Supplementary Figures

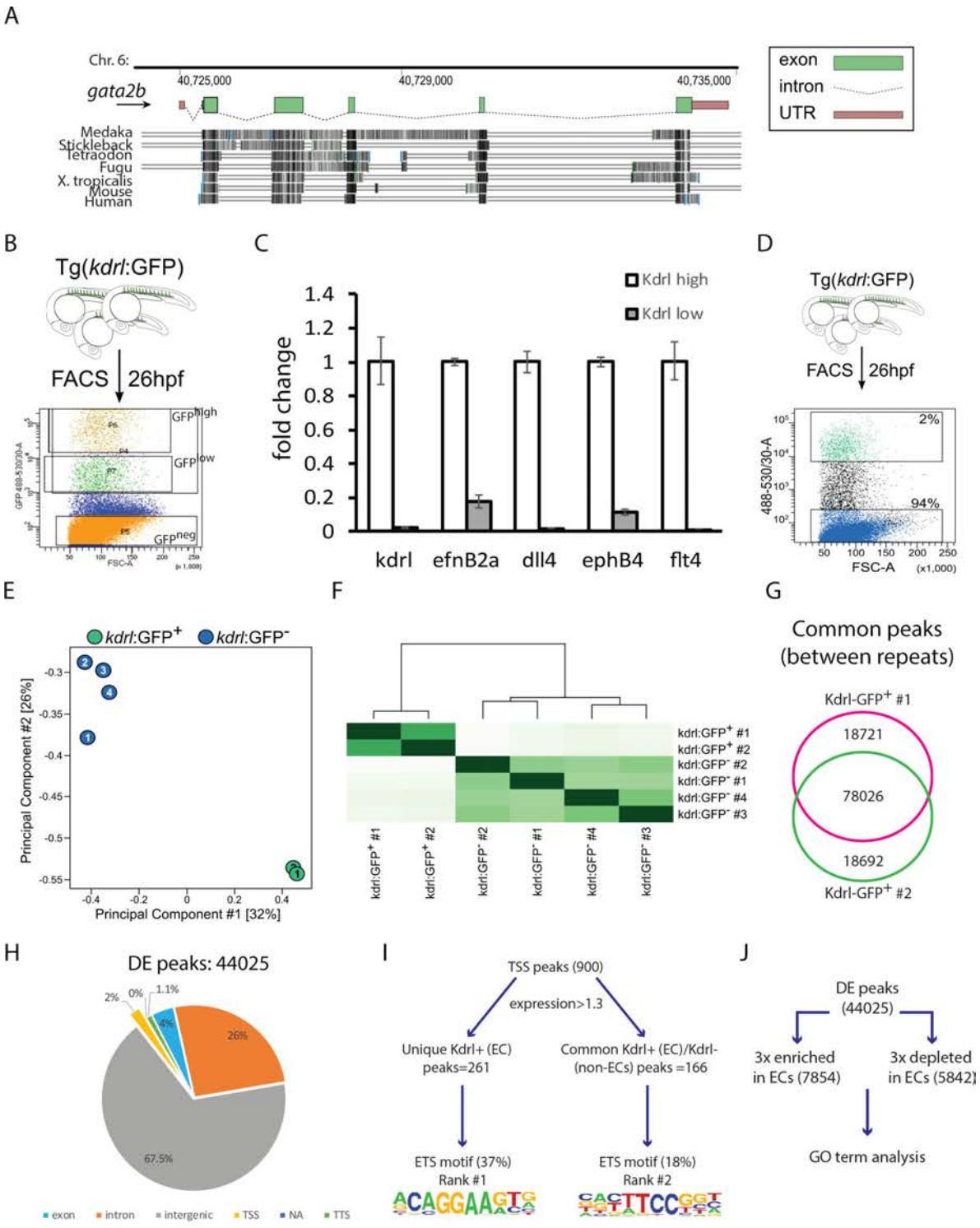

Figure S1. Preparation of ATAC-seq libraries from endothelial cells. (A) Overview of the zebrafish *gata2b* locus and genome alignment with other species, including mouse and human. Note the conservation within exon sequences in all the species used for comparison. Some intronic sequences are conserved only within fish species. (B) Schematic representation of the gating strategy to test expression of endothelial genes in two distinct *kdrl*:GFP^{+} cell populations: *kdrl*:GFP^{high} (orange, top panel) and Kdrl:GFP^{low} (green). (C) qPCR in kdrl:GFP^{high} and Kdrl:GFP^{low} cell populations, showing significant enrichment for endothelial-specific markers in the kdrl:GFP^{high} population. This population was selected for the ATACseq experiment and will be further referred to as *kdrl*:GFP^{+} for simplicity. (D) *Kdrl*:GFP^{+} (green) and *kdrl*:GFP^{-} (blue) cells were FACS-sorted from 26hpf embryos and used for preparation of ATAC-seq libraries. (E) Principal Component Analysis of 2 *kdrl*:GFP^{+} replicas and 4 *kdrl*:GFP^{-} replicas, showing strong separation of the two cell populations. The same numbers inside the circles denote replicas coming from the same FACS. (F) Clustering of the ATAC-seq samples showing high correlation between *kdrl*:GFP^{+} replicates and among *kdrl*:GFP^{-} replicas. The same numbers represent replicas coming from the same FACS. (G) Venn diagram showing 78026 common peaks between the *kdrl*:GFP^{+} ATACseq profile replicates. (H) Genome-wide distribution of the ATAC peaks from the differential peaks analysis. Note that most peaks are intergenic and intragenic; TSS peaks are only 2% of the total (44026 total peaks). (I) Differential peak analysis showing number of peaks at transcription start sites (TSS) and enrichment for ETS binding sites of the regions analysed. (J) Scheme depicting the strategy for the Gene Ontology (GO) term analysis using DAVID (Huang da et al., 2009).GO term analysis was performed for genes associated to ATACseq peaks that were (J) >3-fold enriched in *kdrl*:GFP^{+} endothelial cells (ECs) or (L) >3-fold depleted in *kdrl*:GFP^{+} cells.

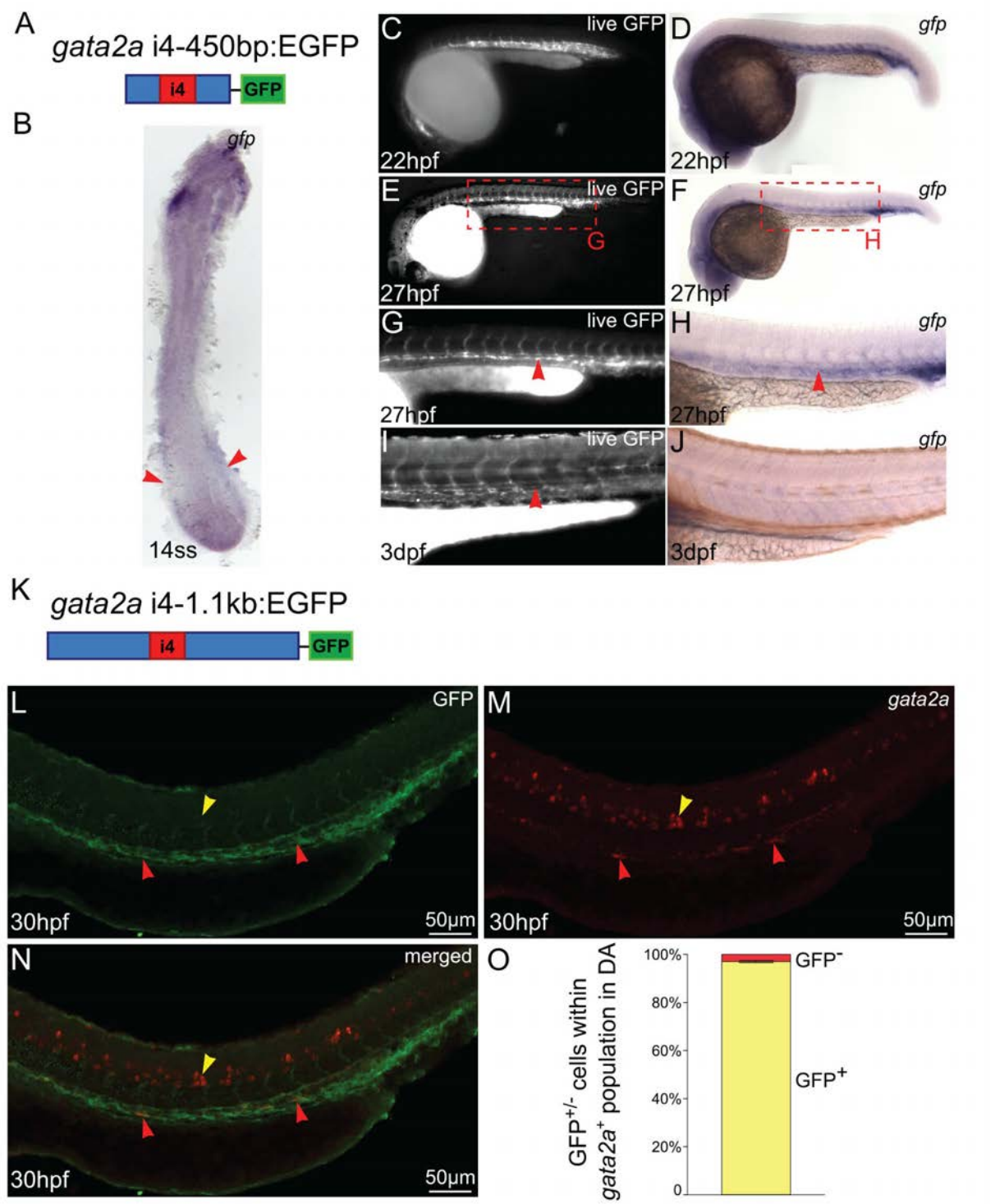

Figure S2. *Gata2a*-i4 enhancer drives GFP expression in PLM, DA and endothelial cells. (A) Schematic representation of the construct used to generate the Tg(*gata2a*-i4-450bp:GFP) transgenic line. (B) *In situ* hybridization of a 14-somite Tg(*gata2a*-i4-450bp:GFP) embryo (flat mount) shows *gfp* mRNA expression in the posterior lateral plate mesoderm (arrowheads), visible over high background staining in the yolk. (C,D) Fluorescent image of a live Tg(*gata2a*-i4-450bp:GFP) embryo and *in situ* hybridization image of the same embryo probed for *gfp* mRNA at 22hpf reveal activity of the i4 enhancer in the forming dorsal aorta. GFP is also present in the heart. (E-H) At 27hpf, GFP protein was detected in the endothelial cells and is particularly strong in the dorsal aorta (arrowhead

in panel G). *In situ* hybridization reveals high degree of overlap between *gfp* RNA and protein expression. (G-H) magnified trunks of embryos in panels H and K as indicated. (I-J) By 3dpf, GFP protein persists in the dorsal aorta (arrowhead) and other endothelial cells, but *gfp* mRNA is undetectable by *in situ* hybridization. (K) Schematic representation of the construct used to generate the Tg(*gata2a*-i4-450bp:GFP) transgenic line. (L-N) Confocal images of the trunk of a Tg(*gata2a*-i4-1.1kb:GFP) embryo immunostained with anti-GFP antibody (L) and probed for *gata2a* mRNA (M) at 30hpf, showing an overlap of GFP and *gata2a* in the DA (red arrowheads) but lack of GFP expression in the *gata2a*$^{+}$ neural tube (yellow arrowhead). (N) Merged images from panels L-M. (O) Counting of the *gata2a*$^{+}$ cells represented in panels L-N in 9 embryos shows that >95% of *gata2a*$^{+}$ cells in the DA are also GFP^{+}. N=2. Error bars: ±SD.

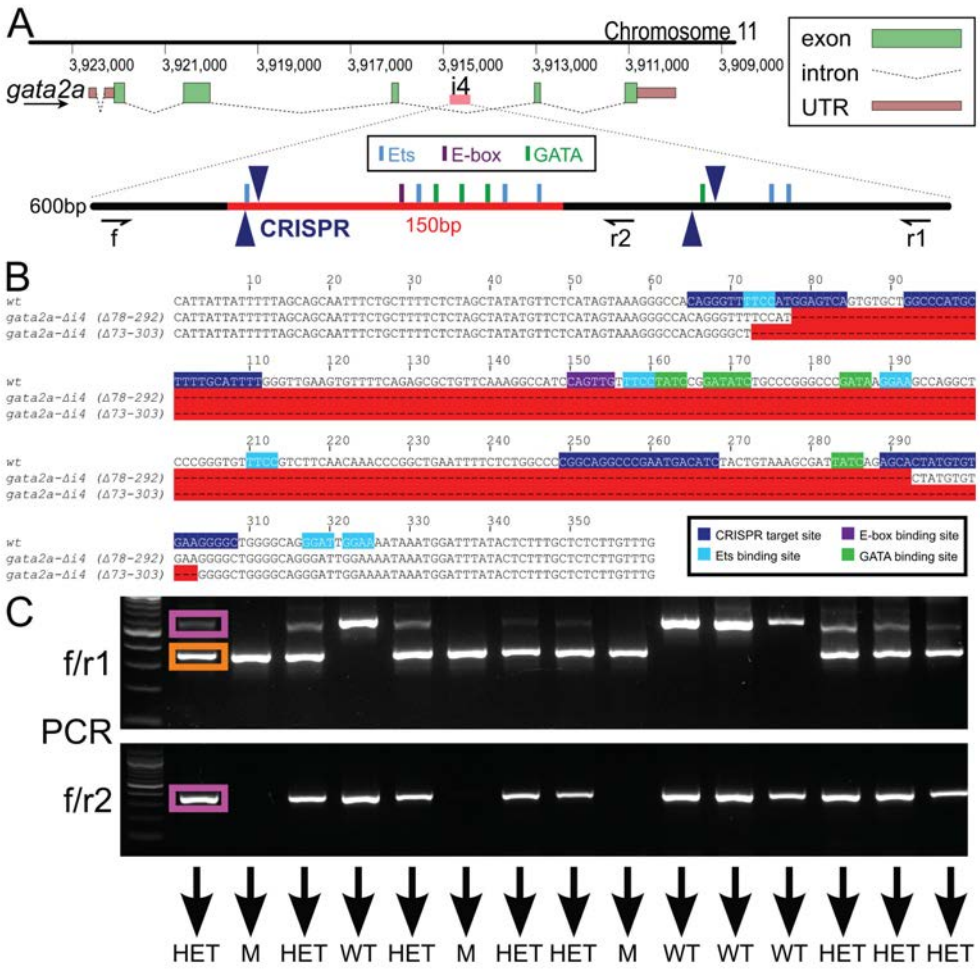

Figure S3. Generation of *gata2a* $^{\Delta i4}$ zebrafish mutants with CRISPR/Cas9. (A) Two pairs of CRISPR sgRNAs (dark blue) were designed to flank the highly conserved 150bp region within the *gata2a*-i4 enhancer. Approximate binding positions of diagnostic PCR primers f, r1 and r2 are indicated. Light blue: Ets binding sites; purple: E-box binding sites; green: GATA binding sites (mapped computationally). (B) Two isolated mutant alleles (Δ78-292 and Δ73-303) carry deletions (red gaps) including the majority of highly conserved transcription factor binding sites. (C) Genotyping of embryos from the incross of two *gata2a*$^{+/\Delta i4}$ mutants with PCR relies on the identification of bands specific to wild type alleles (pink) and the mutant-specific band (orange). Primers f, r1 and r2 are the same as in panel A. The first lane from the left in each gel: 100bp marker. WT: wild type; HET: heterozygote; M: mutant.

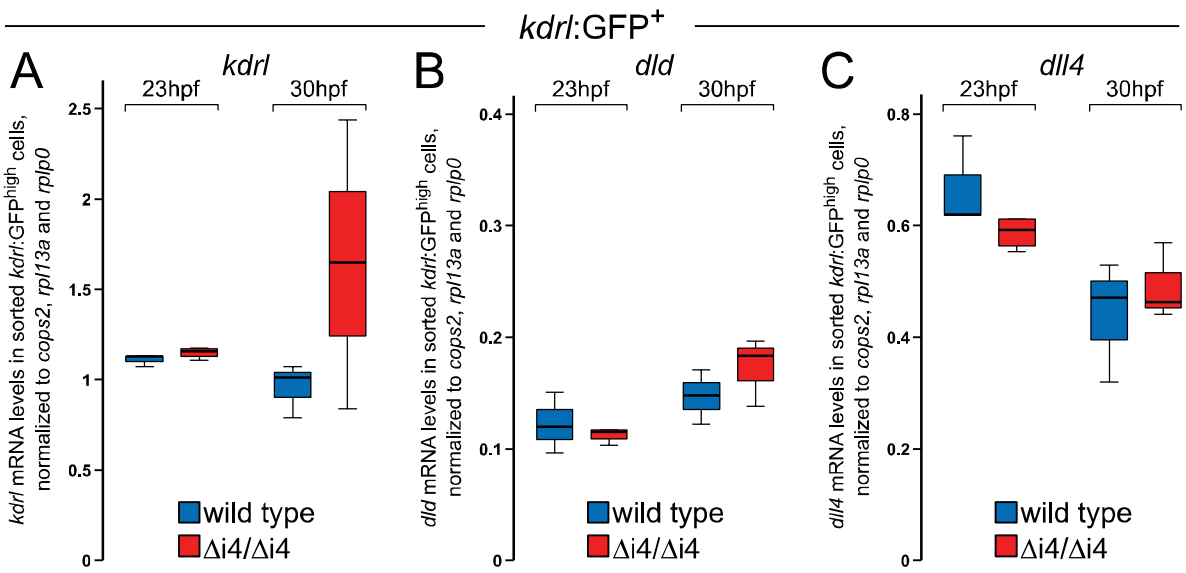

Figure S4. Expression of endothelial markers is unchanged in *gata2a*$^{\Delta i4/\Delta i4}$ mutants. qRT-PCR in sorted *kdrl*:GFP^{+} cells from wt (blue) and *gata2a*$^{\Delta i4/\Delta i4}$ mutants (red) shows no differences in the levels of *kdrl* (A), *dld* (B) and *dll4* (C) mRNA in the endothelium of *gata2a*$^{\Delta i4/\Delta i4}$ mutants at 23hpf and 30hpf, compared to wild type. N=4 for *gata2a*$^{\Delta i4/\Delta i4}$ at 23hpf, N=3 for other samples.

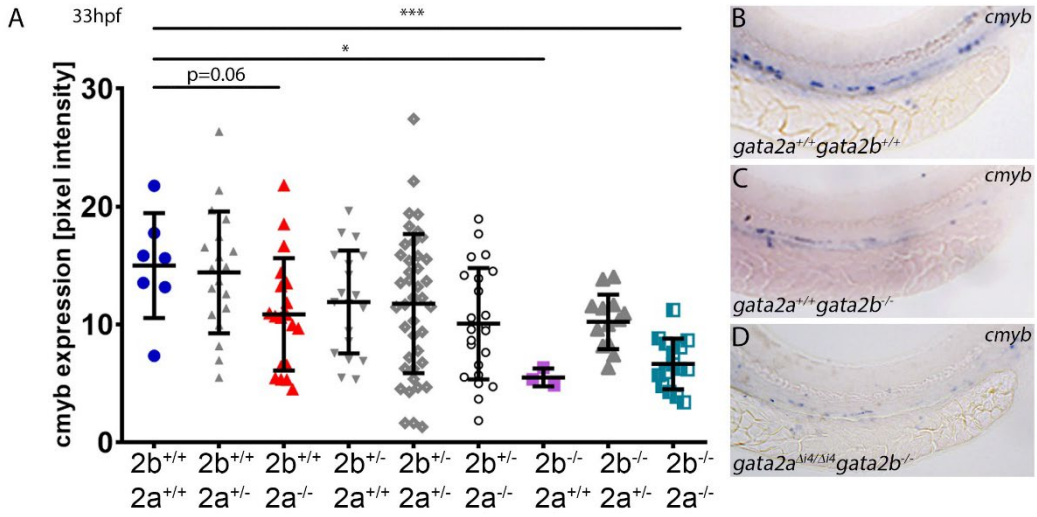

Figure S5. Analysis of *cmyb* expression in single *gata2a*$^{\Delta i4/\Delta i4}$, gata2b$^{-/-}$ and *gata2a*$^{\Delta i4/\Delta i4}$;gata2b$^{-/-}$ mutants at 33hpf. (A) Quantification of *cmyb* expression in embryos of all genotypes from a *gata2a*$^{\Delta i4/+}$;gata2b$^{+/-}$ incross (numbers of embryos are shown on the panel). Pixel intensity of *cmyb in situ* hybridization staining was performed as described (Dobrzycki et al., 2018). The expression levels in wildtype, single mutants and double mutant are shown in colour to better highlight the differences. Embryo numbers were n=7, wild type; n=19, *gata2a*$^{\Delta i4/+}$; n=17, *gata2a*$^{\Delta i4/\Delta i4}$; n=19 *gata2b*$^{+/-}$; n=42 *gata2a*$^{\Delta i4/+}$; *gata2b*$^{+/-}$; n=23 *gata2a*$^{\Delta i4/\Delta i4}$; *gata2b*$^{+/-}$; n=3 *gata2b*$^{-/-}$; n=13 *gata2a*$^{\Delta i4/+}$; *gata2b*$^{-/-}$; n=15 *gata2a*$^{\Delta i4/\Delta i4}$; *gata2b*$^{-/-}$. Error bars: mean±SD. *p<0.05; ***p<0.001 (B) Representative image of *cmyb* expression in the trunk of 33hpf wildtype, (C) gata2b$^{-/-}$ and (D) *gata2a*$^{\Delta i4/\Delta i4}$;gata2b$^{-/-}$ mutants.

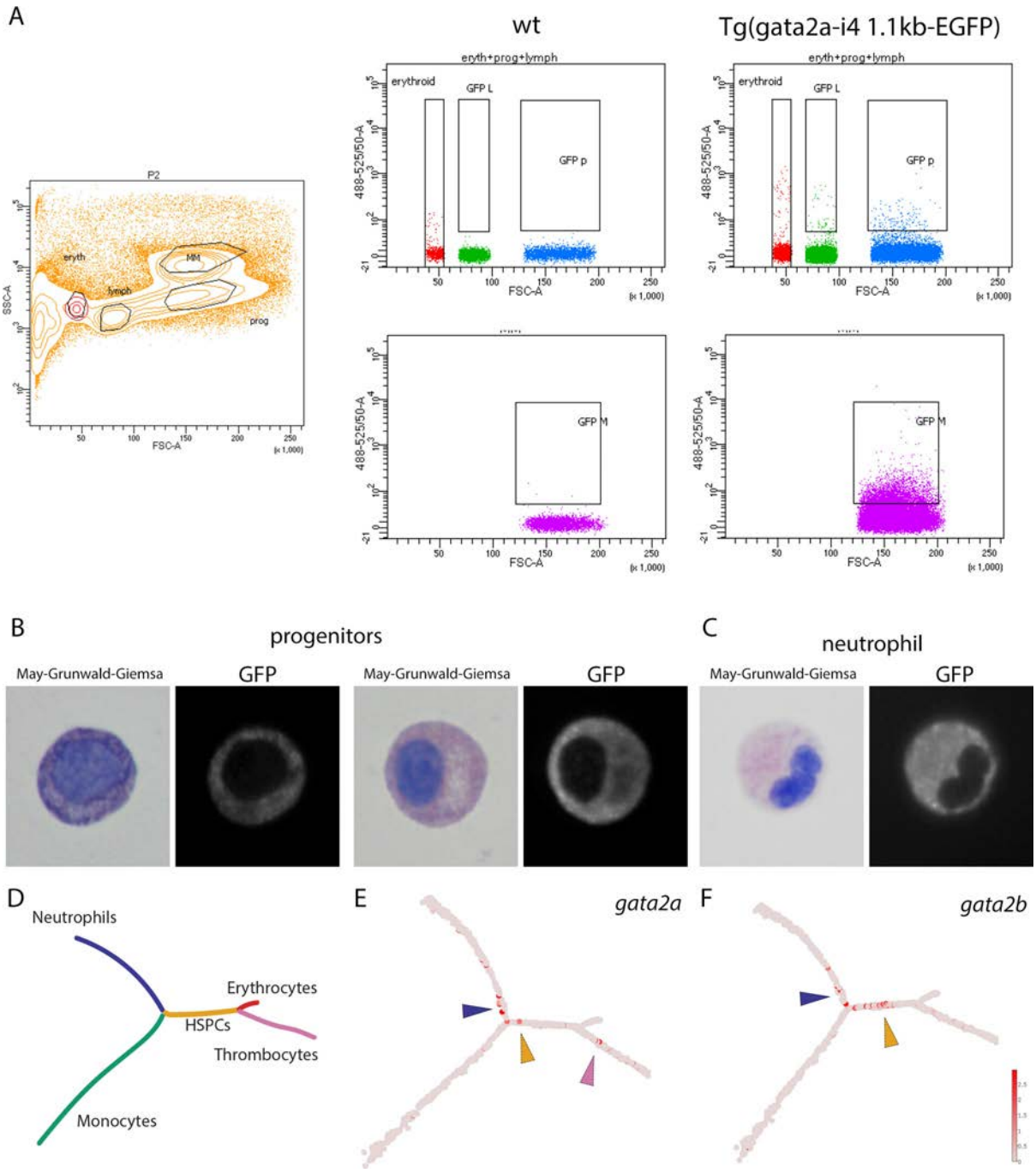

Figure S6. Flow cytometry analysis of GFP expression in Tg(gata2a-i4-1.1Kb:GFP) adult zebrafish. (A) Plot showing the distribution of cell size (forward scatter) vs granularity (side scatter) to distinguish the various haematopoietic cell populations in the WKM as described (Traver et al., 2003). The panels on the right show the gate settings to detect GFP+ cells in the lymphoid gate (GFP L), progenitor gate (GFP p) and myeloid gate (GFP M). Gata2a-i4-driven expression of GFP was found in all the gates examined. Examples of haematopoietic progenitors expressing GFP in (B) and (C) neutrophils, after May-Grunwald/ Wright-Giemsa staining. (D) Monocle trajectory representing the differentiation path for 5 major cell types in the WKM based on gene expression differences (adapted from (Athanasiadis et al., 2017)). The colours represent each of the branches differentiating from the HSPC 'root'. (E, F) Expression summary for (E) *gata2a* and (F) *gata2b* from

single cell RNA-seq data superimposed on the Monocle trajectory. The data is publicly available and was obtained from the BASiCz - Blood Atlas of Single Cells in zebrafish website (https://www.sanger.ac.uk/science/tools/basicz) (Athanasiadis et al., 2017). (E) *gata2a* expression was detected in single cells in the neutrophil (blue arrowhead), HSPC (yellow arrowhead) and thrombocyte branch (pink arrowhead). (F) *gata2b* expression was detected in single cells mainly in the neutrophil (blue arrowhead) and HSPC (yellow arrowhead) branches. Expression levels are shown from red to pink (high to low). HSPCs – haematopoietic stem and progenitor cells

Supplementary Tables

Table S1. Sequences of primers used in this study.

Name	Sequence (5'-3')	Purpose	Source
gata2a-i4-1.1kb f	GGGGACAAGTTTGTACAAAAAAGCAGGCTCCAGCATCGGGATCCTATAA	Cloning	This study
gata2a-i4-1.1kb r	GGGGACCACTTTGTACAAGAAAGCTGGGTCACGAATCAAACGCTTTCAG	Cloning	This study
gata2a-i4-450bp f	GGGGACAAGTTTGTACAAAAAAGCAGGCTGATTGTTGAGAATGTTGTGGTGA	Cloning	This study
gata2a-i4-450bp r	GGGGACCACTTTGTACAAGAAAGCTGGGTCCAGTCGAGCATGACAAACA	Cloning	This study
gata2a$^{\Delta i4}$ f	TGGCTAAGTGACCGTCAGAG	Genotyping	This study
gata2a$^{\Delta i4}$ r1	TGAAACAAAACGCAGACGAC	Genotyping	This study
gata2a$^{\Delta i4}$ r2	GGGTTTGTTGAAGACGGAAA	Genotyping	This study
gfp F	ACGTAAACGGCCACAAGTTC	Amplify in situ hybridization probe	This study
gfp R	TGCTCAGGTAGTGGTTGTCG	Amplify in situ hybridization probe	This study
Kdrl F	CTCCTGTACAGCAAGGAATG	qRT-PCR (SYBR	(Bertrand et al., 2010)
Kdrl R	ATCTTTGGGCACCTTATAGC	qRT-PCR (SYBR)	(Bertrand et al, 2010)
efnB2a F	CCCATTTCCCCCAAAGACTA	qRT-PCR (SYBR)	(Lee et al., 2014)
efnB2a R	CTTCCCCATGAGGAGATGC	qRT-PCR (SYBR)	(Lee et al., 2014)
Dll4 F	ACGCATACAACCCTAACATGC	qRT-PCR (SYBR)	(Monteiro et al., 2016)
Dll4 R	CTCTGTCTGCTTCCCACTTTG	qRT-PCR (SYBR)	(Monteiro et al, 2016)
ephB4 F	CCTGATGAACACGAAAACGGA	qRT-PCR (SYBR)	Bonkhofer et al, unpublished
ephB4 R	TGATAGGTCCGCACACTGTT	qRT-PCR (SYBR)	Bonkhofer et al, unpublished
Flt4 F	ACAGAGGAGCCATGTTGACA	qRT-PCR (SYBR)	Bonkhofer et al, unpublished
Flt4 R	GTCTGGCCTGAGAGTTGAGT	qRT-PCR (SYBR)	Bonkhofer et al, unpublished
UbiC F	AAGAGACTCCCATACACCGC	qRT-PCR (SYBR)	Bonkhofer et al, unpublished
UbiC R	ATTCTCAATGGTGTCGCTGG	qRT-PCR (SYBR)	Bonkhofer et al, unpublished
Ef1a F	GAGAAGTTCGAGAAGGAAGC	qRT-PCR (SYBR)	(Bertrand et al., 2008)
Ef1a R	CGTAGTATTTGCTGGTCTCG	qRT-PCR (SYBR)	(Bertrand et al, 2008)
gata2a sgRNA1	GAAATTAATACGACTCACTATAGGGTGACTCCATGGAAAACCCTGGTTTTAGAGCTA GAAATAGC	Prepare guide RNA template (target region in red)	This study

gata2a sgRNA2	GAAATTAATACGACTCACTATAGGGGGCCCATGCTTTTGCATTTTGTTTTAGAGCTA GAAATAGC	Prepare guide RNA template (target region in red)	This study
gata2a sgRNA3	GAAATTAATACGACTCACTATAGGGGATGTCATTCGGGCCTGCCGGTTTTAGAGCTA GAAATAGC	Prepare guide RNA template (target region in red)	This study
gata2a sgRNA4	GAAATTAATACGACTCACTATAGGGAGCACTATGTGTGAAGGGGCGTTTTAGAGCTA GAAATAGC	Prepare guide RNA template (target region in red)	This study
Universal reverse primer	AAAAGCACCGACTCGGTGCCACTTTTTCAAGTTGATAACGGACTAGCCTTATTTTAAC TTGCTATTTCTAGCTCTAAAAC	Prepare guide RNA template	(Bassett et al., 2013)
T7 Gata2b ex3_1	TAATACGACTCACTATAATCCGTAGCAACCCGCATCGTTTTAGAGCTAGAAATAGCAAG	Prepare guide RNA template	This study
gata2b ex_3 Fwd	CTGTCGATGACGCAACACTG	Genotyping	This study
gata2b ex_3 Rev	TGTCGTCATGTTTCCGAGCA	Genotyping	This study

All primers were obtained from Sigma-Aldrich. Gata2b primers and guide template were obtained from IDT.

Table S2 – Open chromatin peaks identified in kdrl-GFP+ (ECs) and kdrl-GFP- (non-ECs) by ATACseq

peakID	Chr	Start	End	Distance tc	Annotation	Nearest PromoterID	GeneSymbol	Conc_kdrl_pos	Conc_kdrl_neg	Fold enrichment	p-value
peak_1	chr4	8644178	8645754	9672	Intergenic	NM_001123281	cdnf	10.9065808	0.219835396	10.68674541	5.33E-60
peak_2	chr8	17604468	17607342	7816	TTS (NM_001099245)	NM_001099245	plk2b	10.85196845	0.219835396	10.63213306	3.82E-59
peak_3	chr5	68704574	68705900	-54261	intron (NM_131302, intron 16 of 33)	NM_001100001	camsap1b	10.09645325	0.219835396	9.876617856	1.65E-52
peak_4	chr24	22388890	22389955	27345	3' UTR (NM_001257153, exon 11 of 11)	NM_001014829	flt1	10.06118509	0.219835396	9.841349694	2.78E-52
peak_5	chr17	37624866	37625906	16765	intron (NM_213497, intron 1 of 7)	NM_213497	crip2	10.01948408	0.219835396	9.79964868	9.48E-52
peak_6	chr24	24829030	24830235	49945	intron (NM_001083026, intron 2 of 20)	NM_001083026	rps6ka3b	9.869271681	0.219835396	9.649436285	2.40E-50
peak_8	chr11	38496389	38498024	1254	intron (NM_001040385, intron 6 of 8)	NR_030659		9.647365642	0.219835396	9.427530246	1.45E-48
peak_9	chr16	12777220	12778310	-168511	Intergenic	NM_131390	gsk3ab	9.623513554	0.219835396	9.403678159	4.30E-48
peak_10	chr21	12028892	12030357	29133	intron (NM_001080586, intron 5 of 13)	NM_001080586	fam129ba	9.551306902	0.219835396	9.331471507	1.21E-47
peak_12	chr23	14304921	14305504	23274	TTS (NM_199882)	NM_199882	ddx23	9.539183458	0.219835396	9.319348062	1.35E-47
peak_14	chr24	22403458	22404748	12664	intron (NM_001257153, intron 4 of 10)	NM_001014829	flt1	9.489225175	0.219835396	9.26938978	8.08E-47
peak_13	chr13	18831470	18832475	52279	intron (NM_001190757, intron 15 of 15)	NM_001145606	lzts2a	9.488976852	0.219835396	9.269141456	3.96E-47
peak_16	chr1	46484572	46485159	55738	intron (NM_001008624, intron 5 of 20)	NM_001008624	arhgef7b	9.360308	0.219835396	9.140472605	5.51E-46
peak_17	chr4	6757699	6758938	-10922	Intergenic	NM_001030108	elk3	9.344696952	0.219835396	9.124861557	1.59E-45
peak_19	chr1	40325296	40326070	20514	Intergenic	NM_001002448	ing2	9.322126174	0.219835396	9.102290778	2.71E-45
peak_21	chr19	25615915	25616878	-17071	Intergenic	NM_213181	ptp4a3	9.297290522	0.219835396	9.077455126	4.48E-45
peak_23	chr6	59795344	59796314	6815	intron (NM_001003640, intron 5 of 8)	NM_001003640	aurka	9.295126409	0.219835396	9.075291013	7.55E-45
peak_20	chr6	20895415	20896567	-134158	Intergenic	NM_205740	barhl2	9.287280342	0.219835396	9.067444946	3.42E-45
peak_25	chr10	234963	237002	-16932	intron (NM_131836, intron 4 of 5)	NM_001023580	ets2	9.251251538	0.219835396	9.031416143	2.88E-44
peak_22	chr20	4909945	4910801	15020	exon (NM_001045187, exon 2 of 10)	NM_001045187	zdhhc14	9.250485283	0.219835396	9.030649887	5.47E-45
peak_24	chr6	30598666	30599270	202799	Intergenic	NM_001037669	insl5a	9.22912458	0.219835396	9.009289184	1.27E-44
peak_15	chr5	52718498	52719488	6196	Intergenic	NM_201583	gcnt4a	9.663680136	0.691124799	8.972555337	9.69E-47
peak_29	chr6	44213571	44214267	85270	intron (NM_001256392, intron 3 of 9)	NM_001110371	ppp4r2b	9.159155002	0.219835396	8.939319606	1.40E-43
peak_26	chr22	16038361	16039056	-5673	Intergenic	NM_131856	klf2a	9.13400673	0.219835396	8.914171334	7.43E-44
peak_27	chr6	43761813	43762806	51687	intron (NM_001039637, intron 2 of 19)	NM_001039637	foxp1b	9.121002723	0.219835396	8.901167327	7.65E-44
peak_18	chr10	22967884	22968573	-4129	Intergenic	NM_205670	tmem88a	9.777869337	0.87932337	8.898545967	1.74E-45
peak_31	chr5	43055924	43056554	-58937	intron (NM_001100039, intron 5 of 7)	NM_205639	fancg	9.103998406	0.219835396	8.884163011	4.32E-43
peak_30	chr9	42193245	42194023	17441	intron (NM_200090, intron 20 of 20)	NM_131629	slc40a1	9.082704012	0.219835396	8.862868617	1.75E-43
peak_11	chr18	46994548	46995606	2708	intron (NM_131348, intron 1 of 8)	NM_131348	fli1a	9.712061762	0.887237959	8.824823803	1.25E-47
peak_41	chr24	22386114	22387228	30096	intron (NM_001014829, intron 10 of 29)	NM_001014829	flt1	9.03738237	0.219835396	8.817546974	1.04E-41
peak_32	chr15	27900781	27901960	66016	Intergenic	NM_001039972	slc6a4a	9.030773526	0.219835396	8.81093813	5.07E-43
peak_33	chr9	45037219	45038157	166495	Intergenic	NM_200921	ube2e3	9.016168373	0.219835396	8.796332978	9.63E-43
peak_46	chr8	26524609	26525426	18808	intron (NM_001014823, intron 1 of 16)	NM_001014823	sema3ga	9.01459888	0.219835396	8.794763484	2.35E-41
peak_28	chr19	34072214	34073069	13745	intron (NM_200723, intron 1 of 4)	NM_200723	hpca	9.271027898	0.48510786	8.785920038	7.88E-44
peak_43	chr19	26899898	26900740	-10080	Intergenic	NM_001044937	npr1a	8.998703658	0.219835396	8.778868263	1.55E-41
peak_122	chr22	16002975	16004342	-40723	Intergenic	NM_131856	klf2a	10.36061196	1.606593419	8.754018537	3.22E-36
peak_36	chr11	18886029	18887075	91069	Intergenic	NM_001079955	dido1	8.969010232	0.219835396	8.749174836	2.46E-42
peak_47	chr11	38481544	38483496	11458	intron (NM_001040385, intron 1 of 8)	NM_001040385	egfl7	8.953220328	0.219835396	8.733384932	3.88E-41
peak_39	chr8	29276664	29277482	25819	Intergenic	NM_131884	cebpb	8.945922279	0.219835396	8.726086883	4.88E-42
peak_40	chr17	53602446	53603377	-50514	Intergenic	NM_001076722	zgc:154061	8.927755914	0.219835396	8.707920519	6.34E-42
peak_45	chr8	55074233	55075131	-2450	Intergenic	NM_001080987	cyr61	8.877056141	0.219835396	8.657220745	2.16E-41
peak_50	chr17	20531702	20532329	-5964	Intergenic	NM_199985	ccdc6a	8.875358107	0.219835396	8.655522711	5.61E-41
peak_42	chr11	38498102	38499613	2905	intron (NM_001040385, intron 6 of 8)	NR_030659		8.869532977	0.219835396	8.649697581	1.37E-41
peak_49	chr15	24983912	24984908	14277	intron (NM_001037370, intron 7 of 14)	NM_001037370	tsr1	8.856799569	0.219835396	8.636964174	4.92E-41
peak_44	chr5	14399009	14400069	9615	intron (NM_001018155, intron 2 of 7)	NM_001018155	ppm1f	8.852043988	0.219835396	8.632208592	1.90E-41
peak_53	chr11	38479164	38481283	9161	intron (NM_001040385, intron 1 of 8)	NM_001040385	egfl7	8.812648222	0.219835396	8.592812826	6.60E-41
peak_48	chr16	14281989	14282587	9973	exon (NM_001289880, exon 3 of 15)	NM_001289880	rasip1	8.812006728	0.219835396	8.592171332	4.47E-41
peak_60	chr17	35351609	35352289	53496	intron (NM_001045207, intron 5 of 27)	NM_001037409	itgb1bp1	8.807496407	0.219835396	8.587661012	2.74E-40
peak_52	chr17	26979595	26980119	-24219	Intergenic	NM_001077775	rps6ka1	8.800589949	0.219835396	8.580754553	6.54E-41
peak_51	chr13	15543865	15544512	9398	intron (NM_199885, intron 2 of 15)	NM_199885	mark3	8.793702702	0.219835396	8.573867306	6.26E-41
peak_54	chr4	13475096	13475634	34890	Intergenic	NM_001161493	si:dkey-261e22.4	8.78833059	0.219835396	8.568495194	7.37E-41
peak_38	chr13	26593647	26594707	-333661	Intergenic	NM_212982	fancl	9.256811521	0.691124799	8.565686722	4.79E-42
peak_35	chr10	13295816	13296445	48772	intron (NM_001099446, intron 4 of 11)	NM_001004514	si:busm1-79m10	9.106926108	0.554393687	8.552532422	1.44E-42
peak_55	chr23	30167808	30168324	40528	Intergenic	NM_001079960	mxra8b	8.758056673	0.219835396	8.538221277	1.86E-40
peak_58	chr3	26059996	26060642	21269	intron (NM_001017538, intron 3 of 11)	NM_001017538	nubp1	8.743791659	0.219835396	8.523956263	2.41E-40
peak_61	chr10	24866367	24866963	13493	exon (NM_001080183, exon 12 of 18)	NM_001080183	zgc:158234	8.741992529	0.219835396	8.522157134	3.46E-40
peak_37	chr24	5939881	5941197	16427	intron (NM_001198661, intron 7 of 12)	NM_001198661	trpc1	9.222054056	0.709096771	8.512957285	4.61E-42
peak_34	chr23	8907749	8909440	-68641	Intergenic	NM_200986	tcea2	9.403378403	0.902938058	8.500440344	1.34E-42
peak_67	chr2	32886475	32887278	-20627	Intergenic	NM_001076570	rnf220a	8.713498192	0.219835396	8.493662796	1.99E-39
peak_65	chr22	23137179	23137641	-50533	Intergenic	NM_131463	nr5a2	8.699956264	0.219835396	8.480120868	1.75E-39
peak_62	chr6	30624773	30625619	229027	Intergenic	NM_001037669	insl5a	8.696185347	0.219835396	8.476349952	5.44E-40
peak_63	chr2	16843033	16843840	20364	exon (NM_001114579, exon 5 of 5)	NM_001114579	fam131a	8.68407117	0.219835396	8.464235775	6.14E-40
peak_70	chr22	10970013	10971008	78403	Intergenic	NM_001001402	enc1	8.661454039	0.219835396	8.441618643	4.96E-39
peak_64	chr14	29033359	29034204	18040	Intergenic	NM_200569	tsc22d3	8.657468924	0.219835396	8.437633528	9.88E-40
peak_74	chr23	10597860	10598697	95162	Intergenic	NM_001099237	eif4ba	8.627979262	0.219835396	8.408143866	8.16E-39
peak_66	chr16	45389625	45390268	-54019	Intergenic	NM_001002868	dpy19l1l	8.626245734	0.219835396	8.406410338	1.86E-39
peak_71	chr13	37347313	37348595	-11998	Intergenic	NM_001020816	frmd6	8.616897707	0.219835396	8.397062311	4.96E-39
peak_68	chr8	17600849	17602410	3540	exon (NM_001099245, exon 8 of 14)	NM_001099245	plk2b	8.615388146	0.219835396	8.39555275	2.88E-39
peak_69	chr20	18429005	18429779	-15791	intron (NM_001001836, intron 13 of 18)	NM_001025547	si:ch211-20b12.2	8.598374896	0.219835396	8.3785395	3.67E-39
peak_57	chr9	9093184	9094249	-58076	Intergenic	NM_001040356	ing1	8.857379585	0.48510786	8.372271725	2.13E-40
peak_73	chr11	44535018	44535701	20814	Intergenic	NM_001114555	vip2	8.583402406	0.219835396	8.36356701	5.89E-39
peak_75	chr23	27967065	27968119	-13833	3' UTR (NM_198874, exon 16 of 16)	NM_001030115	dhh	8.582073475	0.219835396	8.362238079	9.76E-39
peak_59	chr2	14982616	14983939	34276	intron (NM_200111, intron 3 of 26)	NM_200111	arhgap29b	9.428824231	1.07379276	8.355031471	2.65E-40
peak_89	chr5	32592175	32592847	-29147	Intergenic	NM_001114455	spns2	8.573764935	0.219835396	8.35392954	1.18E-37
peak_81	chr4	9164824	9165581	191432	Intergenic	NM_001045158	sbf1	8.546799394	0.219835396	8.326963998	2.75E-38
peak_84	chr19	37235466	37235912	46054	Intergenic	NM_001003601	trappc3	8.546280483	0.219835396	8.326445087	4.42E-38
peak_76	chr24	28221186	28221825	48766	Intergenic	NM_001115054	si:dkey-25o1.6	8.536575494	0.219835396	8.316740098	1.17E-38
peak_80	chr11	25447277	25448068	-55335	Intergenic	NM_001080582	mxra8a	8.517401501	0.219835396	8.297566106	2.39E-38
peak_78	chr3	53703933	53704648	26241	intron (NM_131447, intron 6 of 7)	NM_001003578	lpar2a	8.513966921	0.219835396	8.294131525	1.79E-38
peak_79	chr9	7148294	7149675	-18165	Intergenic	NM_001161497	coa5	8.511371425	0.219835396	8.291536029	1.93E-38
peak_82	chr25	38028372	38029214	69268	intron (NM_200913, intron 5 of 8)	NM_200913	wwox	8.492895068	0.219835396	8.273059672	2.86E-38
peak_343	chr8	12076664	12077541	-11051	Intergenic	NR_030071		10.11705691	1.846475529	8.270581379	3.16E-29
peak_198	chr17	45873022	45874340	28066	Intergenic	NM_001161375	arf6b	9.866939862	1.606593419	8.260346443	3.35E-33
peak_86	chr11	37203849	37204559	8019	intron (NM_200667, intron 2 of 6)	NM_200667	sypl2a	8.478391363	0.219835396	8.258555967	5.87E-38
peak_7	chr24	39366983	39368043	-12852	intron (NM_001163897, intron 2 of 2)	NM_001007426_1	ccpg1	10.66598794	2.421052687	8.244935257	8.18E-49
peak_90	chr22	10274011	10274672	-2216	3' UTR (NM_001020692, exon 6 of 6)	NM_001082808	pxk	8.455787941	0.219835396	8.235952546	1.22E-37
peak_94	chr18	14286499	14286988	6950	exon (NM_001030145, exon 8 of 11)	NM_001030145	uri1	8.718860962	0.48510786	8.233753102	2.47E-37
peak_87	chr20	18497121	18497733	-43173	intron (NM_001045125, intron 21 of 35)	NM_001001836	vipas39	8.451006458	0.219835396	8.231171063	6.46E-38
peak_88	chr25	21285612	21286121	27127	intron (NM_001077599, intron 1 of 12)	NM_001077599	csk	8.432566512	0.219835396	8.212731116	1.12E-37
peak_93	chr18	12388218	12388883	-81915	Intergenic	NM_001082852	parp12a	8.425335518	0.219835396	8.205500122	1.76E-37
peak_95	chr6	33721507	33722033	-14938	Intergenic	NM_001114441	ap1m3	8.418532959	0.219835396	8.198697563	2.63E-37
peak_99	chr12	28380654	28381428	41716	intron (NM_131709, intron 1 of 7)	NM_131709	zeb1b	8.409414131	0.219835396	8.189578735	3.56E-37
peak_97	chr2	16637029	16637626	25826	exon (NM_001001951, exon 11 of 11)	NM_001001951	ubxn7	8.397512928	0.219835396	8.177677532	2.92E-37
peak_227	chr17	12908993	12909857	-19379	3' UTR (NM_200311, exon 24 of 25)	NM_001105707	fam177a1	10.65053186	2.477830512	8.172701352	2.40E-32
peak_102	chr14	4197545	4197987	24550	exon (NM_001163293, exon 4 of 20)	NM_001163293	snx25	8.39194889	0.219835396	8.172113494	4.86E-37
peak_100	chr12	35277870	35278534	5773	intron (NM_212582, intron 1 of 25)	NM_212582	llgl2	8.383651535	0.219835396	8.163816139	3.59E-37
peak_120	chr21	14913481	14914319	-491432	Intergenic	NM_131840	tnfrsfa	8.378756577	0.219835396	8.158921181	2.05E-36
peak_98	chr11	3915580	3916252	6727	intron (NM_131233, intron 4 of 5)	NM_131233	gata2a	8.376442898	0.219835396	8.156607502	3.36E-37
peak_112	chr1	42219825	42220253	-11754	Intergenic	NM_201502	smox	8.374261891	0.219835396	8.154426495	1.64E-36
peak_101	chr1	281738	282224	-53176	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	8.355068416	0.219835396	8.135233021	4.35E-37
peak_107	chr16	44811500	44812131	13782	intron (NM_001008780, intron 5 of 8)	NM_001162847	si:ch211-225p5.3	8.338012036	0.219835396	8.11817664	9.85E-37
peak_105	chr16	32751833	32752543	-14370	Intergenic	NM_212905	zgc:77086	8.331659444	0.219835396	8.111824048	7.87E-37
peak_72	chr2	3775388	3775935	80532	Intergenic	NM_001045363	wnt9a	8.817044999	0.709096771	8.107948228	5.74E-39
peak_114	chr15	19105921	19106420	-19364	Intergenic	NM_001083838	med13b	8.323709331	0.219835396	8.103873935	1.67E-36

peak_131	chr18	25041213	25041883	32329	Intergenic	NM_001044330	si:dkeyp-59c12.1	8.32061406	0.219835396	8.100778664	6.59E-36
peak_108	chr10	27109667	27110609	-40289	Intergenic	NM_001007030	synj1	8.316121071	0.219835396	8.096285676	1.05E-36
peak_110	chr22	39751167	39752754	-6062	Intergenic	NM_001044915	mccc1	8.309051415	0.219835396	8.08921602	1.21E-36
peak_109	chr20	6725140	6725771	85300	Intergenic	NM_001171033	si:ch211-191a24.	8.307868415	0.219835396	8.088033019	1.12E-36
peak_111	chr17	52388316	52389101	30725	intron (NM_001040406, intron 1 of 10)	NM_001040406	numb	8.305707962	0.219835396	8.085872567	1.58E-36
peak_115	chr24	29461100	29462054	-21986	Intergenic	NM_001002206	abca4a	8.300335644	0.219835396	8.080500248	1.73E-36
peak_648	chr20	39636187	39637321	-14707	Intergenic	NM_131622	hey2	10.0711314	1.994825282	8.076306114	4.65E-25
peak_56	chr13	8919633	8920544	-4732	exon (NM_001007414, exon 3 of 3)	NM_212946	wdr32	8.963103744	0.887237959	8.075865786	2.09E-40
peak_123	chr9	24409378	24410241	6667	intron (NM_001123295, intron 2 of 3)	NM_001123295	sh3bp4	8.295161405	0.219835396	8.07532601	3.59E-36
peak_119	chr20	29880910	29881679	9004	intron (NM_001002727, intron 1 of 7)	NM_001002727	rnf144ab	8.289113056	0.219835396	8.069277661	2.03E-36
peak_117	chr7	77148271	77149587	97145	Intergenic	NM_001020651	zgc:112102	8.282968659	0.219835396	8.063133263	1.84E-36
peak_216	chr9	35254886	35255818	-14985	exon (NM_001030192, exon 5 of 9)	NM_001004642	ildr1b	9.626941063	1.567723154	8.059217909	1.36E-32
peak_124	chr5	62915363	62916140	22565	Intergenic	NM_001144793	ssna1	8.256625524	0.219835396	8.036790128	3.61E-36
peak_127	chr19	27853582	27854369	27221	TTS (NM_001079971)	NM_001079971	mgat1b	8.252153201	0.219835396	8.032317805	5.84E-36
peak_150	chr4	9784535	9785179	-1462	Intergenic	NM_001290178	stab2	8.250854628	0.219835396	8.031019233	1.85E-35
peak_134	chr4	10534973	10535677	6536	intron (NM_199655, intron 2 of 11)	NM_199655	gdi2	8.248173227	0.219835396	8.028337831	7.74E-36
peak_125	chr8	14160868	14161460	-3191	Intergenic	NM_001110110	b3gnt3	8.244685495	0.219835396	8.0248501	3.95E-36
peak_130	chr7	23047913	23048445	7369	exon (NM_212780, exon 6 of 11)	NM_212780	mettl3	8.239521394	0.219835396	8.019685998	6.27E-36
peak_158	chr19	2227359	2227871	86989	intron (NM_198819, intron 27 of 28)	NM_001007153	twistnb	8.237483106	0.219835396	8.01764771	3.93E-35
peak_126	chr17	25049968	25050512	34413	Intergenic	NM_001114588	cln8	8.234553485	0.219835396	8.01471809	5.39E-36
peak_132	chr5	50455853	50456597	6922	exon (NM_001002104, exon 3 of 3)	NM_001126469	polr3g	8.232938163	0.219835396	8.013102767	7.08E-36
peak_1057	chr19	13711398	13712580	-28975	Intergenic	NM_001083572	hint2	10.19469745	2.182425019	8.01227243	6.10E-22
peak_144	chr10	22972049	22972560	-53	promoter-TSS (NM_205670)	NM_205670	tmem88a	8.231260673	0.219835396	8.011425277	1.27E-35
peak_137	chr16	38101132	38101841	-52708	Intergenic	NM_001002444	decr1	8.228102702	0.219835396	8.008267307	8.97E-36
peak_133	chr3	24391863	24392382	4924	intron (NM_131507, intron 4 of 12)	NR_030095		8.226557822	0.219835396	8.006722427	7.73E-36
peak_165	chr25	11635226	11636164	-242239	Intergenic	NM_001265607	mespbb	8.224189913	0.219835396	8.004354517	8.93E-35
peak_163	chr5	61213419	61214161	-38053	Intergenic	NM_001127307	dtx2	8.218521905	0.219835396	7.998686509	7.94E-35
peak_135	chr17	30552137	30552847	27661	exon (NM_001003547, exon 18 of 37)	NM_001003547	itsn2b	8.213921057	0.219835396	7.994085662	8.08E-36
peak_83	chr21	693659	694212	-66233	Intergenic	NM_001113483	klf4	8.872778186	0.87932337	7.993454817	3.30E-38
peak_136	chr7	65756570	65757240	28390	intron (NM_213088, intron 4 of 4)	NM_213088	dok1b	8.211841925	0.219835396	7.992006529	8.93E-36
peak_147	chr22	12635518	12636043	74803	Intergenic	NM_199522	rnd3a	8.203569884	0.219835396	7.983734488	1.46E-35
peak_146	chr6	37521339	37521956	43916	intron (NM_001030077, intron 13 of 16)	NM_001030077	slc9a7	8.201774493	0.219835396	7.981939097	1.41E-35
peak_85	chr20	31492296	31493185	30468	intron (NM_001044819, intron 4 of 19)	NM_001044819	sash1a	8.672612072	0.691124799	7.981487273	5.72E-38
peak_91	chr15	22693575	22694274	2345	intron (NM_001012367, intron 1 of 14)	NM_001012367	mcamb	8.667427143	0.691124799	7.976302344	1.32E-37
peak_141	chr1	25953676	25954255	-124579	Intergenic	NM_001122755	bnc2	8.194945686	0.219835396	7.97511029	1.16E-35
peak_153	chr7	19117808	19118291	-36478	Intergenic	NM_214695	mta2	8.188088799	0.219835396	7.968253404	2.20E-35
peak_152	chr15	9554759	9555423	-13309	Intergenic	NM_001013517	zgc:110155	8.185661252	0.219835396	7.965825857	2.03E-35
peak_166	chr23	36696201	36696724	-2981	Intergenic	NM_001020478	gpr182	8.18256636	0.219835396	7.962730964	1.18E-34
peak_151	chr14	21992483	21992992	61606	exon (NM_199273, exon 10 of 14)	NM_199273	zgc:66433	8.180891734	0.219835396	7.961056338	1.89E-35
peak_156	chr23	15343238	15343842	97672	intron (NM_001003833, intron 9 of 20)	NM_001003833	sulf2b	8.179982306	0.219835396	7.96014691	3.43E-35
peak_121	chr2	37323091	37323763	30302	intron (NM_001142672, intron 2 of 20)	NM_001142672	insra	9.186684703	1.226539182	7.960145521	2.77E-36
peak_160	chr19	36635363	36635807	-51368	Intergenic	NM_001044971	bmp8a	8.164474538	0.219835396	7.944639142	4.48E-35
peak_167	chr18	11932509	11933189	128436	intron (NM_001099985, intron 8 of 13)	NM_001099985	hipk2	8.140233551	0.219835396	7.920398155	1.20E-34
peak_155	chr5	24904221	24904852	-6839	Intergenic	NM_001013350	agtr2	8.13944497	0.219835396	7.919609575	3.33E-35
peak_157	chr18	15977618	15978223	71946	Intergenic	NM_001045074	alx1	8.138352979	0.219835396	7.918517583	3.50E-35
peak_159	chr16	41011828	41012377	-3771	exon (NM_001077152, exon 8 of 8)	NM_001103142	elp6	8.133806489	0.219835396	7.913971094	4.05E-35
peak_103	chr3	42397493	42398218	-117791	Intergenic	NM_001109869	kdm8	8.964613624	1.054120914	7.910492711	6.13E-37
peak_180	chr11	18882952	18883909	94191	Intergenic	NM_001079955	dido1	8.128691278	0.219835396	7.908855882	4.64E-34
peak_220	chr1	48027512	48028368	30920	Intergenic	NM_200389	obfc1	9.675659357	1.775861963	7.899797395	1.85E-32
peak_170	chr3	19915793	19916590	13729	exon (NM_001040341, exon 12 of 13)	NM_001005396	atxn7l3	8.118196454	0.219835396	7.898361059	1.86E-34
peak_164	chr18	24080130	24080632	180199	Intergenic	NR_120393		8.112385434	0.219835396	7.892550039	8.63E-35
peak_161	chr14	32694561	32695106	36221	Intergenic	NM_001144809	cd40lg	8.10512369	0.219835396	7.885288295	6.51E-35
peak_118	chr21	35365798	35366398	21400	intron (NM_214692, intron 1 of 13)	NM_214692	mpp1	8.369334916	0.48510786	7.884227056	1.93E-36
peak_162	chr4	19780771	19781441	32419	intron (NM_001045143, intron 1 of 36)	NM_001045143	nav3	8.102081641	0.219835396	7.882246246	7.09E-35
peak_168	chr13	18510832	18511624	-9291	Intergenic	NM_001123010	stox1	8.100390989	0.219835396	7.880555593	1.27E-34
peak_169	chr5	47763001	47763531	-44055	intron (NM_001128340, intron 15 of 37)	NM_001114846	f2r	8.094606862	0.219835396	7.874771467	1.49E-34
peak_138	chr14	33782015	33782980	8926	5' UTR (NM_212940, exon 2 of 10)	NM_212940	lnx2b	9.060095189	1.19500324	7.865091949	9.16E-36
peak_188	chr21	10424266	10425090	-4231	Intergenic	NM_200377	zgc:64106	8.083750803	0.219835396	7.863915408	1.11E-33
peak_139	chr16	44788856	44789542	1697	intron (NM_001008780, intron 1 of 8)	NM_001008780	fli1b	9.045070687	1.19500324	7.850067447	9.61E-36
peak_104	chr20	31233953	31234668	-9189	TTS (NM_001030112)	NM_197933	pdip5	8.549984236	0.709096771	7.840887465	6.48E-37
peak_173	chr5	42823122	42823639	61215	Intergenic	NM_001002505	sub1b	8.057369321	0.219835396	7.837533926	2.74E-34
peak_183	chr20	22351480	22352413	58798	Intergenic	NM_001024653	kdr	8.056213379	0.219835396	7.836377983	7.05E-34
peak_171	chr3	35650032	35651011	-10424	Intergenic	NM_001002497	dctn5	8.049902693	0.219835396	7.830067298	2.06E-34
peak_1010	chr9	31646321	31647080	-36908	Intergenic	NM_001089366	morc3a	9.930851692	2.10908919	7.821762502	3.04E-22
peak_128	chr9	21302006	21302841	103768	intron (NM_001159666, intron 2 of 8)	NM_001159666	igsf3	8.300688379	0.48510786	7.815580519	6.06E-36
peak_129	chr3	19878002	19878722	-8555	Intergenic	NM_001040368	asb16	8.300479189	0.48510786	7.815371329	6.24E-36
peak_175	chr1	34086654	34087123	-3585	Intergenic	NM_001045444	lmo7b	8.026430041	0.219835396	7.806594645	3.26E-34
peak_187	chr17	20500947	20501468	-4438	Intergenic	NM_200410	slc16a9a	8.018711411	0.219835396	7.798876015	9.29E-34
peak_154	chr3	21368782	21369326	-18708	Intergenic	NM_207088	cdipt	8.275383641	0.48510786	7.790275781	2.45E-35
peak_203	chr8	54149936	54150445	61586	intron (NM_001245969, intron 31 of 43)	NM_001245969	cabin1	8.008321565	0.219835396	7.788486169	4.18E-33
peak_208	chr12	38936061	38936532	-98781	Intergenic	NM_001040355	pmp22b	8.008150778	0.219835396	7.788315382	5.16E-33
peak_195	chr14	22882974	22883740	18991	intron (NM_131007, intron 3 of 5)	NM_131007	spon2a	8.000338471	0.219835396	7.780503075	2.16E-33
peak_205	chr11	18831960	18832432	-137796	Intergenic	NM_200467	tmem110	7.999651409	0.219835396	7.779816014	4.58E-33
peak_113	chr14	27573034	27573527	-27685	Intergenic	NM_182862	tgfbi	8.657795578	0.87932337	7.778472208	1.66E-36
peak_181	chr11	22267033	22267652	-30101	intron (NM_001048235, intron 16 of 22)	NM_001002751	ikbke	7.997229056	0.219835396	7.77739366	5.58E-34
peak_182	chr25	21753569	21754029	2332	intron (NM_001204464, intron 1 of 8)	NM_001204464	prr5	7.99230592	0.219835396	7.772470524	5.83E-34
peak_209	chr17	25243595	25244242	5179	intron (NM_001077142, intron 4 of 10)	NM_001077142	zgc:154055	7.991604943	0.219835396	7.771769547	6.28E-33
peak_140	chr1	21725119	21726256	99847	Intergenic	NM_212731	gtf2e2	8.828048218	1.07379276	7.754255458	9.80E-36
peak_200	chr19	965344	965717	49179	Intergenic	NM_200413	slc44a4	7.973848676	0.219835396	7.75401328	3.51E-33
peak_189	chr11	25983745	25984427	-14009	Intergenic	NM_199517	ndrg3a	7.964077733	0.219835396	7.744242338	1.13E-33
peak_999	chr18	24175067	24175754	85170	intron (NR_120393, intron 4 of 4)	NR_120393		9.821343974	2.077505579	7.743838395	2.41E-22
peak_193	chr8	27690537	27691333	19546	3' UTR (NM_001126417, exon 4 of 4)	NM_001126417	si:ch211-156j16.:	7.953181146	0.219835396	7.73334575	1.60E-33
peak_197	chr17	21730173	21730747	12586	intron (NM_213436, intron 5 of 11)	NM_213436	plekha1	7.9522989	0.219835396	7.732463505	2.50E-33
peak_191	chr24	22382682	22383542	33655	intron (NM_001014829, intron 12 of 29)	NM_001014829	flt1	7.942743101	0.219835396	7.722907706	1.55E-33
peak_192	chr3	55713019	55713511	12506	intron (NM_001144782, intron 12 of 15)	NM_001144782	mgrn1b	7.942564372	0.219835396	7.722728976	1.58E-33
peak_176	chr8	31818545	31819401	8563	intron (NM_001123317, intron 1 of 15)	NM_001123317	si:ch211-251j10.:	8.948236051	1.226539182	7.721696869	3.30E-34
peak_116	chr7	21720398	21721759	19369	Intergenic	NM_001204179	wu:fi38e01	8.935957077	1.2202869	7.715670177	1.78E-36
peak_211	chr1	24911234	24912157	16458	Intergenic	NM_001105703	zgc:171777	8.618599616	0.902938058	7.715661557	7.43E-33
peak_207	chr5	25691734	25692610	5923	intron (NM_212786, intron 2 of 21)	NM_212786	rps6ka3a	7.92679699	0.219835396	7.706961594	5.04E-33
peak_271	chr15	33968794	33969234	-2901	Intergenic	NM_001024821	lta	7.91864226	0.219835396	7.698806864	5.15E-31
peak_199	chr25	29864762	29865307	-71712	intron (NM_001083002, intron 6 of 8)	NM_001161495	mettl20	7.911596699	0.219835396	7.691761303	3.38E-33
peak_202	chr15	19407870	19408491	21764	Intergenic	NM_130944	dlc	7.909581155	0.219835396	7.68974576	3.99E-33
peak_1219	chr16	12725955	12727160	181642	Intergenic	NM_131602	dedd1	9.843795072	2.155703238	7.688091834	5.38E-21
peak_148	chr4	23020591	23021384	-121478	Intergenic	NM_194401	celf2	8.374982821	0.691124799	7.683858022	1.81E-35
peak_206	chr15	389310	389728	-65072	Intergenic	NM_131034	gbas	7.902690938	0.219835396	7.682855542	4.88E-33
peak_204	chr9	26192671	26193170	22035	Intergenic	NM_001017796	esd	7.900116144	0.219835396	7.680280749	4.37E-33
peak_143	chr9	9131101	9131909	-37610	Intergenic	NM_001126383	si:ch211-235e18.	8.558773522	0.87932337	7.679450152	1.23E-35
peak_210	chr3	35821156	35821935	-75800	Intergenic	NM_001017817	crlf3	7.898447739	0.219835396	7.678612343	6.90E-33
peak_201	chr10	8700296	8700730	-19002	Intergenic	NM_001030197	aplnrb	7.896049964	0.219835396	7.676214568	3.99E-33
peak_264	chr15	27566078	27566697	15333	Intergenic	NM_001020672	vtna	7.894925787	0.219835396	7.675090391	4.16E-31
peak_250	chr24	3435582	3436022	-15417	Intergenic	NM_001033726	zgc:113390	7.884636027	0.219835396	7.664800631	1.78E-31
peak_214	chr9	25282601	25283074	-6902	TTS (NM_001128365)	NM_001277070	sdpra	7.87339596	0.219835396	7.653560565	9.95E-33
peak_253	chr24	9319120	9319662	-93749	Intergenic	NM_001202441	nphp3	7.872744967	0.219835396	7.652909571	2.20E-31
peak_240	chr1	47137095	47137786	-7431	intron (NM_199991, intron 7 of 11)	NM_001007448	cdadc1	7.868694862	0.219835396	7.648859466	9.03E-32
peak_215	chr4	25007294	25007729	7724	intron (NM_001114575, intron 2 of 12)	NM_001114575	vetz	7.868595305	0.219835396	7.648759909	1.10E-32

peak_219	chr13	33534061	33534942	6429	intron (NM_001037689, intron 10 of 13)	NM_001243153	tmem234	7.856381009	0.219835396	7.636545613	1.53E-32
peak_213	chr3	28692303	28692896	123811	Intergenic	NM_001201336	fbxl16	7.852950476	0.219835396	7.63311508	9.30E-33
peak_245	chr1	51863853	51864359	-52254	Intergenic	NM_213499	actr2a	7.844641997	0.219835396	7.624806601	1.23E-31
peak_288	chr5	14184063	14184597	73203	Intergenic	NM_200991	ppil2	7.842823558	0.219835396	7.622988162	1.59E-30
peak_225	chr15	19416005	19416543	13670	Intergenic	NM_130944	dlc	7.840788656	0.219835396	7.62095326	2.18E-32
peak_217	chr16	44798924	44799475	11697	intron (NM_001008780, intron 1 of 8)	NM_001008780	fli1b	7.835594972	0.219835396	7.615759576	1.37E-32
peak_234	chr10	7886732	7887287	-83177	Intergenic	NM_001113504	il6st	7.832012481	0.219835396	7.612177085	6.08E-32
peak_179	chr1	48233202	48233725	35386	intron (NM_001077558, intron 3 of 7)	NM_001077558	neurl1aa	8.302930035	0.691124799	7.611805236	4.33E-34
peak_4309	chr22	39520439	39521530	-17955	Intergenic	NM_201294	b3gnt7	10.56526221	2.953659189	7.611603017	2.80E-13
peak_177	chr14	34287053	34287540	-15023	intron (NM_212626, intron 6 of 10)	NM_213365	rab41	8.294321251	0.691124799	7.603196452	3.69E-34
peak_174	chr15	34494008	34494512	14406	intron (NM_199835, intron 1 of 12)	NM_199835	agfg1a	8.155762406	0.554393687	7.601368719	2.83E-34
peak_222	chr21	36366284	36366982	-13923	intron (NM_001007405_1, intron 7 of 11)	NM_205565	zgc:77151	7.820661967	0.219835396	7.600826571	1.89E-32
peak_172	chr3	54077401	54078222	25336	Intergenic	NM_214779	nr5a5	8.309055459	0.709096771	7.599958688	2.29E-34
peak_244	chr15	27842227	27843008	10760	intron (NM_001030229, intron 1 of 1)	NM_001030229	ankrd13b	7.814987622	0.219835396	7.595152227	1.22E-31
peak_224	chr13	30896822	30897280	27009	exon (NM_001009985, exon 5 of 11)	NM_001009985	rassf4	7.813234853	0.219835396	7.593399458	2.16E-32
peak_226	chr23	35987308	35987785	17472	intron (NM_131339, intron 1 of 7)	NM_131339	rarga	7.810685346	0.219835396	7.59084995	2.30E-32
peak_262	chr20	18375695	18376320	-16255	Intergenic	NM_213166	psma8	7.809809469	0.219835396	7.589974073	3.40E-31
peak_149	chr12	19655040	19655821	23325	intron (NM_001044903, intron 5 of 15)	NM_001044903	grid2ipb	9.391683244	1.801982797	7.589700446	1.84E-35
peak_184	chr25	31083032	31083765	-37279	Intergenic	NM_199540	api5	8.050317446	0.474639816	7.57567763	7.74E-34
peak_185	chr25	18862497	18863379	-45145	intron (NM_200118, intron 10 of 11)	NM_194380	dusp6	8.054385376	0.48510786	7.569277516	8.43E-34
peak_243	chr14	24753028	24753681	37315	Intergenic	NM_001037238	kctd16a	7.788535285	0.219835396	7.56869989	1.16E-31
peak_249	chr9	31647520	31648062	-37999	Intergenic	NM_001089366	morc3a	7.788236935	0.219835396	7.568401539	1.55E-31
peak_190	chr16	14267089	14269094	-4224	Intergenic	NM_001289880	rasip1	10.29873272	2.730868822	7.567863902	1.48E-33
peak_413	chr7	30640651	30641552	3065	intron (NM_001099259, intron 1 of 7)	NM_001099259	rab8b	9.230925001	1.673255946	7.557669055	7.26E-28
peak_235	chr12	30466567	30466987	-5809	intron (NM_001005778, intron 7 of 9)	NM_001005778_1	rnf40	7.774510932	0.219835396	7.554675536	6.22E-32
peak_236	chr19	34595008	34595531	44383	Intergenic	NM_001003604	fam92a1	7.774410517	0.219835396	7.554575122	6.57E-32
peak_232	chr3	21543656	21544566	-50677	Intergenic	NM_001006067	syngr1a	7.773701556	0.219835396	7.553866161	4.19E-32
peak_237	chr9	39654898	39655629	14863	intron (NM_001014346, intron 5 of 13)	NM_001014346	snx4	7.761970428	0.219835396	7.542135033	6.92E-32
peak_241	chr15	17020075	17020721	38743	Intergenic	NM_201993	arcn1b	7.753730798	0.219835396	7.533895402	9.96E-32
peak_263	chr14	25322672	25323184	45649	intron (NM_001123011, intron 19 of 21)	NM_212645	hnrnpa0a	7.748297798	0.219835396	7.528462402	3.57E-31
peak_272	chr21	16411042	16411545	19194	intron (NM_001161551, intron 1 of 8)	NM_001161551	rxraa	7.73801211	0.219835396	7.518176714	5.43E-31
peak_238	chr20	34001421	34001859	-67	promoter-TSS (NM_001130598)	NM_001130598	sele	7.736678709	0.219835396	7.516843313	8.87E-32
peak_273	chr12	24729968	24730661	12393	intron (NM_130976, intron 1 of 15)	NM_130976	mpp7	7.735429189	0.219835396	7.515593793	6.04E-31
peak_239	chr21	37387287	37388219	114919	Intergenic	NM_001080058	zgc:158291	7.734816066	0.219835396	7.51498067	9.00E-32
peak_92	chr17	45729746	45730565	-76697	Intergenic	NM_001045345	vcpkmt	8.854093969	1.34754194	7.506552029	1.34E-37
peak_1159	chr7	21243242	21244385	17115	intron (NM_001080579, intron 9 of 23)	NM_001080579	acap1	9.58015031	2.077505579	7.502644731	2.39E-21
peak_248	chr13	17682681	17683500	-38410	Intergenic	NM_001163808	comtd1	7.720054523	0.219835396	7.500219127	1.49E-31
peak_246	chr5	65884438	65885186	-23053	Intergenic	NM_001039813	adora2b	7.985290182	0.48510786	7.500182322	1.27E-31
peak_247	chr13	3945091	3945530	12888	intron (NM_213318, intron 3 of 16)	NM_213318	ppp2r5d	7.716179019	0.219835396	7.496343623	1.28E-31
peak_251	chr5	54783379	54784004	33104	intron (NM_213514, intron 5 of 11)	NM_213514	serinc5	7.711774916	0.219835396	7.491939521	1.97E-31
peak_348	chr14	33833947	33834531	-14008	Intergenic	NM_131109	cdx4	7.706942623	0.219835396	7.487107227	4.17E-29
peak_255	chr17	23681297	23681782	69388	Intergenic	NM_001256225	slc18a2	7.693042157	0.219835396	7.473206762	2.65E-31
peak_275	chr17	9961624	9962191	68483	Intergenic	NM_001170739	mgaa	7.688986766	0.219835396	7.469151371	6.79E-31
peak_295	chr7	14415160	14415875	6034	intron (NM_001099248, intron 2 of 14)	NM_001099248	ankdd1a	7.687506825	0.219835396	7.46767143	2.99E-30
peak_194	chr15	21724374	21724951	92273	Intergenic	NM_001077155	nars2	8.176481979	0.709096771	7.467385207	1.74E-33
peak_257	chr25	16813769	16814262	100843	Intergenic	NM_212847	tead1a	7.685252905	0.219835396	7.465417509	2.70E-31
peak_274	chr3	22590021	22590554	-11164	Intergenic	NM_207640	ifnphi1	7.68375665	0.219835396	7.463921255	6.18E-31
peak_196	chr10	32606737	32607933	6524	intron (NM_001115066, intron 1 of 6)	NM_001115066	esama	8.507929488	1.045780477	7.462149011	2.45E-33
peak_260	chr7	61016129	61017210	143914	intron (NM_131550, intron 10 of 20)	NM_200097	brms1	7.679675037	0.219835396	7.459839641	3.12E-31
peak_223	chr4	20439609	20440618	-37598	intron (NM_001003870, intron 20 of 25)	NM_001006015	pawr	8.684445298	1.226539182	7.457906116	1.97E-32
peak_259	chr21	23683105	23683782	129719	intron (NM_001113551, intron 10 of 11)	NM_001004630	sc5d	7.672453566	0.219835396	7.452618171	2.96E-31
peak_279	chr9	34115684	34116366	-795	promoter-TSS (NM_001111242)	NM_001111242	zgc:172053	7.661942641	0.219835396	7.442107245	8.26E-31
peak_283	chr20	18470708	18471336	-16768	intron (NM_001045125, intron 33 of 35)	NM_001001836	vipas39	7.661725505	0.219835396	7.441890109	9.71E-31
peak_278	chr22	3322870	3323344	4911	intron (NM_001285535, intron 1 of 1)	NM_001285535	tbxa2r	7.658118983	0.219835396	7.438283587	8.11E-31
peak_267	chr9	31681502	31681970	-71620	Intergenic	NM_001109865	klf12b	7.655068016	0.219835396	7.43523262	4.64E-31
peak_269	chr16	27455764	27456431	16585	Intergenic	NM_001017837	zgc:110182	7.654188757	0.219835396	7.434353361	4.98E-31
peak_286	chr13	52324693	52325172	11353	Intergenic	NM_001159821	ss18l2	7.65298129	0.219835396	7.433145895	1.23E-30
peak_266	chr13	27517456	27518030	-4861	Intergenic	NM_001076727	slc17a5	7.650138347	0.219835396	7.430302952	4.58E-31
peak_218	chr18	16542555	16543035	33213	intron (NM_001044986, intron 9 of 11)	NM_001044986	swap70b	7.911231414	0.48510786	7.426123555	1.46E-32
peak_294	chr24	1640873	1641516	182002	Intergenic	NM_001113644_4	zgc:172101	7.639339835	0.219835396	7.419504439	2.22E-30
peak_277	chr7	49718800	49719219	1408	intron (NM_200259, intron 1 of 7)	NM_200259	rbpms2b	7.635032723	0.219835396	7.415197327	7.79E-31
peak_281	chr20	543857	544291	-12656	intron (NM_001104943, intron 10 of 11)	NM_001030225	dse	7.631926021	0.219835396	7.412090625	9.32E-31
peak_308	chr9	675852	676810	-21160	Intergenic	NM_212594_1	ybey	7.622998747	0.219835396	7.403163351	5.89E-30
peak_311	chr10	319399	319825	40604	intron (NM_131836, intron 4 of 5)	NM_001257340	mpzl1l	7.61269475	0.219835396	7.392859354	6.97E-30
peak_284	chr17	43539027	43539474	23050	Intergenic	NM_001076725	mrpl35	7.612575862	0.219835396	7.392740466	1.08E-30
peak_231	chr13	35545527	35546107	-14996	Intergenic	NM_131863	jag1b	7.876024302	0.48510786	7.390916442	3.94E-32
peak_290	chr24	29504565	29505011	21225	Intergenic	NM_001002206	abca4a	7.605919426	0.219835396	7.38608403	1.80E-30
peak_310	chr9	7180958	7181527	-50423	Intergenic	NM_001161497	coa5	7.59296928	0.219835396	7.373133884	6.44E-30
peak_296	chr1	30080256	30080838	5099	intron (NM_001013448, intron 1 of 24)	NM_001013448	itga6b	7.592728221	0.219835396	7.372892825	3.05E-30
peak_221	chr4	14041600	14042152	4988	exon (NM_131027, exon 13 of 13)	NM_131027	smo	8.057194612	0.691124799	7.366069813	1.85E-32
peak_293	chr5	22084459	22085108	-13778	Intergenic	NM_001030130	si:ch211-108c6.2	7.582765092	0.219835396	7.362929696	2.01E-30
peak_365	chr24	28006038	28006635	120248	Intergenic	NM_001077583	zmynd11	7.576328431	0.219835396	7.356493035	9.16E-29
peak_292	chr22	21070863	21071355	10845	exon (NM_001007779, exon 6 of 7)	NM_001007779	amh	7.575277833	0.219835396	7.355442437	1.98E-30
peak_304	chr14	23746659	23747154	245184	Intergenic	NM_001004614	smyd5	7.572494954	0.219835396	7.352659558	5.59E-30
peak_315	chr16	27005249	27005888	82168	Intergenic	NM_199562	ywhabl	7.56961122	0.219835396	7.349775825	9.46E-30
peak_318	chr11	25439518	25439935	-47389	Intergenic	NM_001080582	mxra8a	7.566476226	0.219835396	7.34664083	1.19E-29
peak_212	chr23	2684622	2685210	-55154	Intergenic	NM_001030232	zgc:114123	8.249474214	0.902938058	7.346536156	7.77E-33
peak_427	chr9	289217	289755	-4993	intron (NM_213225, intron 5 of 16)	NM_001020613	cldn10b	7.562992427	0.219835396	7.343157031	1.13E-27
peak_352	chr2	39284029	39284817	-38806	Intergenic	NM_001039833	zgc:136870	8.830376888	1.490687863	7.339689025	5.52E-29
peak_298	chr7	65452667	65454053	93827	Intergenic	NM_001017616	lypla1	7.559479797	0.219835396	7.339644401	3.59E-30
peak_321	chr2	39768162	39769056	71529	Intergenic	NM_001005919	epha4a	7.557613784	0.219835396	7.337778388	1.35E-29
peak_297	chr5	43750920	43751508	-8838	Intergenic	NM_200056	emc6	7.556082239	0.219835396	7.336246843	3.29E-30
peak_374	chr13	24719631	24720076	-5000	Intergenic	NM_212794	sertad2b	7.54669896	0.219835396	7.326863564	1.55E-28
peak_335	chr5	42866079	42866683	59751	Intergenic	NM_001102673	npr3	7.539369368	0.219835396	7.319533972	2.49E-29
peak_300	chr23	20067525	20067932	-63367	Intergenic	NM_200027	rpl10	7.537344989	0.219835396	7.317509594	4.04E-30
peak_178	chr3	40625740	40626576	54929	Intergenic	NM_001076560	fscn1a	8.535209615	1.2202869	7.314922715	4.18E-34
peak_336	chr25	37182694	37183170	-6001	Intergenic	NM_001001405	irx5b	7.533434065	0.219835396	7.313598669	2.51E-29
peak_302	chr11	45331889	45332427	9724	exon (NM_001007452, exon 2 of 10)	NM_001007452	gnb4b	7.530569208	0.219835396	7.310733812	4.58E-30
peak_305	chr16	32764756	32765276	-27198	Intergenic	NM_212905	zgc:77086	7.529736601	0.219835396	7.309901205	5.60E-30
peak_306	chr2	22791371	22792036	-17395	Intergenic	NM_131213	rnf2	7.524000378	0.219835396	7.304164982	5.64E-30
peak_106	chr19	48206530	48207093	34647	exon (NM_001012369_1, exon 9 of 10)	NM_001012369_1	ext1b	9.379861428	2.076830712	7.303030715	9.75E-37
peak_414	chr8	31481491	31481950	13759	intron (NM_001039816, intron 9 of 15)	NM_001039816	specc1la	7.521735979	0.219835396	7.301900583	7.45E-28
peak_309	chr22	15910471	15911232	44079	Intergenic	NM_001002203	fam32a	7.515232875	0.219835396	7.295397479	6.19E-30
peak_4860	chr11	6082544	6083901	-232	promoter-TSS (NM_001030244)	NM_001030244	vsg1	10.24815515	2.953659189	7.294495961	1.56E-12
peak_313	chr11	24564683	24565234	-168034	Intergenic	NM_001145767	nfasca	7.514150846	0.219835396	7.294315451	8.51E-30
peak_1840	chr5	72221984	72223319	76704	Intergenic	NM_001025178	isca1	9.518003125	2.229879429	7.288123696	1.73E-18
peak_326	chr18	22010696	22011167	2456	intron (NM_001045108, intron 1 of 20)	NM_001045108	fam65a	7.502765531	0.219835396	7.282930135	1.94E-29
peak_425	chr24	6083515	6084376	23885	intron (NM_200738, intron 6 of 9)	NM_001017656	pdss1	8.848796653	1.567723154	7.281073499	1.08E-27
peak_312	chr10	11052432	11052873	48492	exon (NM_001024207, exon 6 of 9)	NM_001024207	ugcg	7.500339023	0.219835396	7.280503628	8.04E-30
peak_333	chr4	16289234	16289787	-23679	Intergenic	NM_001099454	casc1	7.499846146	0.219835396	7.28001075	2.35E-29
peak_314	chr22	27290918	27291438	-53381	Intergenic	NM_001244080	capn8	7.496684491	0.219835396	7.276849095	8.82E-30
peak_252	chr5	32637154	32638020	-194	promoter-TSS (NM_001102672)	NM_001102672	ankfy1	8.321495745	1.045780477	7.275715268	1.97E-31
peak_316	chr12	18569354	18569827	-9219	Intergenic	NM_201100	minpp1b	7.494850192	0.219835396	7.275014796	9.91E-30
peak_282	chr25	3563328	3563918	-36552	Intergenic	NM_001024431	hbp1	7.755263948	0.48510786	7.270156088	9.68E-31
peak_233	chr7	24771989	24772666	109235	Intergenic	NM_001020521	zgc:109889	8.172973138	0.902938058	7.27003508	4.33E-32

peak_353	chr19	9697678	9698348	-16200	Intergenic	NM_001044874	si:ch211-81a5.5	7.487388509	0.219835396	7.267553114	5.58E-29
peak_276	chr15	21688156	21689118	56248	Intergenic	NM_001077155	nars2	8.461614232	1.19500324	7.266610992	7.76E-31
peak_2348	chr1	19620837	19621810	-13996	Intergenic	NM_131010	tll1	9.631617939	2.367686229	7.26393171	6.35E-17
peak_354	chr17	17365635	17366089	-87810	intron (NM_001123049, intron 8 of 9)	NM_001080009	nrxn3a	7.471831374	0.219835396	7.251995978	6.51E-29
peak_600	chr17	43748002	43748506	-38101	Intergenic	NM_183341	egr2a	7.469483526	0.219835396	7.24964813	1.31E-25
peak_324	chr6	38609143	38609700	-94849	Intergenic	NM_001007318	ube3a	7.459356395	0.219835396	7.239520999	1.75E-29
peak_380	chr14	7934826	7935279	62419	Intergenic	NM_001014305	zgc:110843	7.458238913	0.219835396	7.238403518	2.06E-28
peak_528	chr19	30117456	30118312	141927	Intergenic	NM_001102573	ctgfb	8.844912173	1.606593419	7.238318754	3.00E-26
peak_426	chr11	19607842	19608528	28755	intron (NM_001257196, intron 13 of 29)	NM_001257196	adamts9	7.456863003	0.219835396	7.237027608	1.13E-27
peak_1626	chr19	45217024	45218053	6924	intron (NM_212781, intron 1 of 16)	NM_212781	yrk	9.391028466	2.155703238	7.235325228	3.43E-19
peak_334	chr3	14645451	14645912	40887	exon (NM_001040248, exon 9 of 11)	NM_201195	nme4	7.44880221	0.219835396	7.228966814	2.39E-29
peak_331	chr6	53944387	53944990	9536	Intergenic	NM_200740	fhit	7.447031973	0.219835396	7.227196577	2.31E-29
peak_363	chr8	20012242	20012664	-5195	intron (NM_201302, intron 5 of 5)	NM_001004593	zgc:92140	7.443373394	0.219835396	7.223537998	8.95E-29
peak_341	chr5	40714378	40715007	14855	intron (NM_001193540, intron 1 of 15)	NM_001193540	bmp2k	7.44197585	0.219835396	7.222140454	3.06E-29
peak_344	chr19	2091544	2092107	-7396	intron (NM_198819, intron 27 of 28)	NM_001144806	LOC792465	7.441462621	0.219835396	7.221627225	3.29E-29
peak_349	chr5	26475008	26475539	6437	intron (NM_001128530, intron 1 of 21)	NM_001128530	ap1b1	7.441217008	0.219835396	7.221381612	4.41E-29
peak_627	chr21	37417646	37419853	145915	Intergenic	NM_001080058	zgc:158291	8.894235536	1.673255946	7.22097959	2.62E-25
peak_342	chr9	34900685	34901168	-8158	Intergenic	NR_039078		7.437909278	0.219835396	7.218073882	3.14E-29
peak_338	chr9	23920369	23920828	31108	Intergenic	NM_001002339	arl5a	7.433711467	0.219835396	7.213876072	2.86E-29
peak_368	chr4	23057220	23057627	-157914	Intergenic	NM_194401	celf2	7.430401336	0.219835396	7.21056594	1.17E-28
peak_289	chr18	25356451	25356906	27102	Intergenic	NM_001103120	pex11a	8.436898243	1.226539182	7.210359062	1.77E-30
peak_356	chr20	37360179	37360577	35036	intron (NM_213140, intron 3 of 7)	NM_213140	vta1	7.422703558	0.219835396	7.202868162	6.94E-29
peak_350	chr11	18243905	18244329	-30601	Intergenic	NM_001077273	fam19a4b	7.421934508	0.219835396	7.202099112	4.78E-29
peak_399	chr5	37443611	37444016	39681	intron (NM_001126477, intron 2 of 13)	NM_001126477	stard8	7.421670586	0.219835396	7.20183519	4.99E-28
peak_364	chr10	23368752	23369240	-9932	Intergenic	NM_001020582	nle1	7.421172531	0.219835396	7.201337136	9.07E-29
peak_346	chr12	24685396	24686112	56953	intron (NM_130976, intron 5 of 15)	NM_130976	mpp7	7.421165048	0.219835396	7.201329652	3.85E-29
peak_327	chr19	17273994	17274875	-13957	Intergenic	NM_001039524	zfpm2b	9.665308817	2.467309337	7.19799948	1.98E-29
peak_390	chr10	26979859	26980393	-120147	Intergenic	NM_001017649	arfip2b	7.416410954	0.219835396	7.196575559	3.61E-28
peak_299	chr25	31086611	31087130	-33807	Intergenic	NM_199540	api5	8.41975705	1.226539182	7.193217868	3.96E-30
peak_291	chr16	22053803	22054479	71860	Intergenic	NM_131028	ahr1a	7.676448163	0.48510786	7.191340303	1.94E-30
peak_1698	chr17	33086108	33086930	-17511	Intergenic	NM_131405	prox1a	9.574989602	2.386807682	7.18818192	5.89E-19
peak_361	chr20	23839214	23839884	2425	exon (NM_001079836, exon 6 of 8)	NM_001079836	si:dkey-15j16.2	7.402146017	0.219835396	7.182310621	8.29E-29
peak_398	chr5	35258365	35258827	28739	intron (NM_001077375, intron 6 of 8)	NM_001077375	ttll11	7.393526485	0.219835396	7.173691089	4.24E-28
peak_369	chr4	20326238	20326693	76050	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	7.39285728	0.219835396	7.173021884	1.19E-28
peak_254	chr17	16038224	16038750	106809	Intergenic	NM_001080054	znf395a	8.051975266	0.87932337	7.172651896	2.44E-31
peak_720	chr21	9141336	9142171	-7507	Intergenic	NM_200044	dnajc21	8.884009474	1.713875669	7.170133805	2.45E-24
peak_2492	chr10	27079413	27080628	-70407	Intergenic	NM_001007030	synj1	9.536540708	2.367686229	7.168854479	1.44E-16
peak_378	chr20	19842340	19842783	88532	Intergenic	NM_212570	ptk2bb	7.387877559	0.219835396	7.168042163	1.94E-28
peak_366	chr13	5724100	5724610	34963	Intergenic	NM_130955	dld	7.385899469	0.219835396	7.166064074	9.26E-29
peak_280	chr8	4856501	4857153	-37449	intron (NM_200459, intron 7 of 8)	NM_199988	sept5a	8.938481819	1.773207505	7.165274315	8.47E-31
peak_359	chr18	15838067	15838609	-41	promoter-TSS (NM_001245071)	NM_001245072	slc6a15	7.384839797	0.219835396	7.165004401	7.99E-29
peak_256	chr15	23323426	23324102	-27390	Intergenic	NM_212633	appbp2	8.035108863	0.87932337	7.155785493	2.66E-31
peak_381	chr20	4211539	4212220	33206	intron (NM_001113647, intron 2 of 12)	NM_001113647	zgc:172112	7.374659386	0.219835396	7.15482399	2.10E-28
peak_372	chr1	45850003	45850669	27753	intron (NM_001128337, intron 14 of 14)	NM_001145709	si:ch211-243a20.	7.368935951	0.219835396	7.149100556	1.32E-28
peak_367	chr21	31893217	31893698	-36512	Intergenic	NR_120380		7.363189721	0.219835396	7.143354325	1.11E-28
peak_406	chr9	45420390	45420961	-59948	Intergenic	NM_130978	neurod	7.359981258	0.219835396	7.140145862	6.65E-28
peak_471	chr19	6068669	6069167	26662	Intergenic	NM_199588	eif1b	7.359020672	0.219835396	7.139185277	6.14E-27
peak_265	chr7	60608591	60609519	21676	intron (NM_001042686, intron 7 of 12)	NM_001042686	hspa12b	8.038629791	0.902938058	7.135691733	4.23E-31
peak_373	chr6	50632192	50632675	4038	intron (NM_001123252, intron 1 of 14)	NM_001123252	si:dkey-46l15.1	7.353922569	0.219835396	7.134087173	1.34E-28
peak_566	chr4	23038419	23038939	-139170	Intergenic	NM_194401	celf2	7.352997167	0.219835396	7.133161772	6.22E-26
peak_376	chr13	5581563	5582090	32260	intron (NM_213234, intron 1 of 7)	NM_213234	spred2b	7.348933387	0.219835396	7.129097991	1.61E-28
peak_1752	chr9	32430458	32431197	115289	Intergenic	NM_131558	zic2a	9.283107766	2.155703238	7.127404528	8.76E-19
peak_375	chr2	31221158	31221658	29784	intron (NM_001081748_1, intron 10 of 11)	NM_001166324_1	cacnb2b	7.34310677	0.219835396	7.123271374	1.58E-28
peak_287	chr20	48650491	48651012	29013	exon (NM_001105276, exon 17 of 20)	NM_001105276	hadhaa	7.812061352	0.691124799	7.120936553	1.57E-30
peak_472	chr2	21532096	21532613	101703	Intergenic	NM_001080042	zgc:158346	7.337680204	0.219835396	7.117844809	6.18E-27
peak_230	chr16	43792671	43793152	4242	exon (NM_001202507, exon 3 of 23)	NM_001202507	ptpn23a	8.002649889	0.887237959	7.11541193	3.80E-32
peak_460	chr5	31187617	31188076	10571	exon (NM_200168, exon 13 of 13)	NM_200168	nelfb	7.334542715	0.219835396	7.11470732	4.41E-27
peak_402	chr21	29208121	29208546	3635	intron (NM_001077287, intron 1 of 18)	NM_001077287	afap1l1b	7.326459559	0.219835396	7.106624163	5.49E-28
peak_388	chr8	2735594	2736005	-15262	exon (NM_001003885, exon 7 of 14)	NM_001128240	si:ch211-51h9.7	7.323838561	0.219835396	7.104003165	3.36E-28
peak_400	chr23	8748132	8748614	-37738	Intergenic	NM_001130639	rgs19	7.323160258	0.219835396	7.103324862	5.12E-28
peak_7516	chr8	12062369	12066787	-871	promoter-TSS (NM_001123243)	NM_001123243	si:ch211-248e11.	12.18694544	5.083632067	7.103313375	4.46E-10
peak_707	chr16	42178199	42178917	-34278	intron (NM_182855, intron 6 of 7)	NM_199661	stt3b	8.81676102	1.713875669	7.102885351	1.89E-24
peak_548	chr17	34020240	34020856	-56448	Intergenic	NM_001003855	fut8a	8.708458395	1.606593419	7.101864976	4.61E-26
peak_852	chr21	24308375	24309321	-23293	intron (NM_001082863, intron 1 of 8)	NM_001109726	zgc:171740	9.551656788	2.450049606	7.101607182	2.62E-23
peak_423	chr2	19253225	19253884	34869	intron (NM_001005989, intron 1 of 7)	NM_001005989	elovl1a	7.318322822	0.219835396	7.098487426	9.85E-28
peak_320	chr22	17654237	17654699	29221	Intergenic	NM_001128684	si:ch211-197g15.	7.579895131	0.48510786	7.094787271	1.32E-29
peak_392	chr16	26846601	26847049	5424	intron (NM_001201420, intron 4 of 7)	NM_001201417	fxyd6l	7.313493302	0.219835396	7.093657906	3.84E-28
peak_546	chr21	19014478	19015039	-66365	Intergenic	NM_201171	dusp4	7.312118535	0.219835396	7.092283139	4.22E-26
peak_464	chr7	63036995	63037489	146009	Intergenic	NM_200491	tbc1d19	7.309177921	0.219835396	7.089342525	4.81E-27
peak_604	chr11	19370663	19371104	77426	intron (NM_001007063, intron 1 of 21)	NM_001007063	magi1b	7.307676456	0.219835396	7.08784106	1.69E-25
peak_416	chr19	29164793	29165309	45534	Intergenic	NR_105066		7.307235773	0.219835396	7.087400377	8.46E-28
peak_396	chr10	28802640	28803046	-3862	Intergenic	NM_001281468	med13a	7.303204414	0.219835396	7.083369019	4.11E-28
peak_468	chr23	7719619	7720083	-45761	Intergenic	NM_205718	pofut1	7.302074075	0.219835396	7.08223868	5.57E-27
peak_495	chr9	12641576	12642032	59222	Intergenic	NM_001089454	zgc:162707	7.29916176	0.219835396	7.079326364	1.13E-26
peak_407	chr16	14385884	14386537	3749	exon (NM_001045344, exon 3 of 3)	NM_001045344	zgc:153234	7.29873476	0.219835396	7.078899365	6.72E-28
peak_1287	chr14	33861780	33862705	37163	exon (NM_131472, exon 21 of 30)	NM_131472	kdrl	9.072096413	1.994825282	7.077271131	1.20E-20
peak_394	chr3	59397828	59398192	73948	Intergenic	NM_001122620	zgc:171489	7.2966305	0.219835396	7.076795104	4.03E-28
peak_322	chr18	9380179	9381113	378144	Intergenic	NM_001100024	LOC566572	8.297748806	1.226539182	7.071209625	1.38E-29
peak_329	chr8	8316127	8316561	33377	Intergenic	NM_131848	tfe3a	7.553619995	0.48510786	7.068512135	2.04E-29
peak_713	chr3	55325799	55326408	25719	intron (NM_001007403, intron 2 of 13)	NM_001007403	trip10a	8.774705884	1.713875669	7.060830215	2.23E-24
peak_409	chr18	37171697	37172111	-20408	Intergenic	NM_200573	onecut1	7.274598743	0.219835396	7.054763347	6.77E-28
peak_411	chr18	39438530	39438930	133852	Intergenic	NM_001076747	fbxo36a	7.273311935	0.219835396	7.05347654	7.04E-28
peak_408	chr17	29267839	29268461	40124	Intergenic	NM_001003513	traf3	7.273169807	0.219835396	7.053334411	6.77E-28
peak_456	chr11	25444145	25444908	-52189	Intergenic	NM_001080582	mxra8a	8.542910611	1.490687863	7.052222748	3.62E-27
peak_421	chr5	61254020	61254498	2416	intron (NM_001127307, intron 1 of 8)	NM_001127307	dtx2	7.270324299	0.219835396	7.050488903	9.38E-28
peak_506	chr6	4132253	4132945	-264265	Intergenic	NM_200247	unc50	7.269880366	0.219835396	7.050044971	1.38E-26
peak_410	chr21	8561017	8561812	159267	Intergenic	NM_001037701	mapk10	7.26531444	0.219835396	7.045479044	6.99E-28
peak_449	chr4	6267788	6268245	9283	intron (NM_001166228, intron 2 of 51)	NM_001166228	dock4b	7.261593955	0.219835396	7.04175856	2.75E-27
peak_337	chr7	49520291	49520724	187697	Intergenic	NM_131427	cpeb1b	7.518840781	0.48510786	7.033732921	2.72E-29
peak_403	chr7	52179971	52180374	-97473	Intergenic	NM_212439	per1b	7.507876139	0.474639816	7.033236322	5.79E-28
peak_419	chr11	38492999	38493746	-2580	intron (NM_001040385, intron 5 of 8)	NR_030659		7.250629663	0.219835396	7.030794268	9.19E-28
peak_580	chr16	12822094	12822647	-123906	Intergenic	NM_131390	gsk3ab	7.247603074	0.219835396	7.027767678	8.78E-26
peak_2410	chr3	34595152	34596072	50986	intron (NM_198911, intron 2 of 10)	NM_198911	sept9a	9.321742281	2.300427624	7.021314657	8.65E-17
peak_438	chr3	56048955	56049507	-49828	Intergenic	NM_183066	hbae3	7.237251795	0.219835396	7.0174164	1.85E-27
peak_431	chr13	164955	165389	-5801	Intergenic	NM_001114895	zgc:171534	7.232280317	0.219835396	7.012444921	1.34E-27
peak_432	chr24	22337790	22338254	9783	exon (NM_001105692, exon 9 of 18)	NM_001105692	pan3	7.230963725	0.219835396	7.011128329	1.35E-27
peak_523	chr16	26928786	26929292	5639	intron (NM_199562, intron 2 of 4)	NM_199562	ywhabl	7.230386728	0.219835396	7.010551333	2.42E-26
peak_443	chr17	22073932	22074330	-106967	Intergenic	NM_001076596	mrps5	7.229783866	0.219835396	7.00994847	2.13E-27
peak_442	chr5	39534189	39534676	1646	exon (NM_001077573, exon 2 of 6)	NM_001077573	scn4bb	7.22964593	0.219835396	7.009810534	2.13E-27
peak_434	chr2	6718683	6719134	14715	intron (NM_001126390, intron 1 of 14)	NM_001126390	si:dkey-60b12.7	7.22875818	0.219835396	7.008922784	1.50E-27
peak_307	chr3	59330933	59331447	7128	exon (NM_001122620, exon 3 of 7)	NM_001122620	zgc:171489	7.909220696	0.902938058	7.006282638	5.78E-30
peak_479	chr23	27974499	27975208	-6572	Intergenic	NM_001030115	dhh	7.224042862	0.219835396	7.004207466	8.07E-27
peak_453	chr22	10448753	10449500	14810	exon (NM_001195614, exon 11 of 69)	NM_001195614	stab1	7.214295563	0.219835396	6.994460168	3.34E-27
peak_386	chr18	34234032	34234546	51519	exon (NM_001014320, exon 12 of 13)	NM_001014320	ppp1r13l	7.478148361	0.48510786	6.993040501	2.70E-28
peak_507	chr10	32653259	32653734	52685	intron (NM_001115066, intron 1 of 6)	NM_001115066	esama	8.483440955	1.490687863	6.992753092	1.42E-26

peak_439	chr21	28647419	28647782	-104027	Intergenic	NM_001007382	ttc1	7.212212646	0.219835396	6.99237725	1.90E-27
peak_332	chr1	45435541	45436369	-22521	Intergenic	NM_199662	dnaja1	7.696762122	0.709096771	6.98766535	2.33E-29
peak_358	chr18	20486652	20487111	28986	intron (NM_001044883, intron 19 of 26)	NM_001044883	cftr	7.459356395	0.474639816	6.984716578	7.48E-29
peak_445	chr9	33678825	33679252	2902	intron (NM_198821, intron 4 of 10)	NM_198821	dnajb11	7.204464569	0.219835396	6.984629173	2.25E-27
peak_458	chr4	20013135	20013731	-128539	Intergenic	NM_001002463	syt1a	7.203710336	0.219835396	6.98387494	4.26E-27
peak_476	chr5	39457497	39457906	2732	exon (NM_131056, exon 3 of 3)	NM_131056	ins	7.202077509	0.219835396	6.982242114	7.25E-27
peak_360	chr6	33712224	33712793	-24200	Intergenic	NM_001114441	ap1m3	8.206475582	1.226539182	6.9799364	8.20E-29
peak_1661	chr5	68152302	68153176	-63975	Intergenic	NM_131153	rxrab	9.056997869	2.077505579	6.97949229	4.50E-19
peak_486	chr5	26310258	26311027	22038	intron (NM_001008576, intron 1 of 3)	NM_001008576		7.193205878	0.219835396	6.973370482	1.02E-26
peak_451	chr11	18829023	18829548	-134885	Intergenic	NM_200467	tmem110	7.192763867	0.219835396	6.972928472	2.93E-27
peak_270	chr11	32593525	32594140	6629	intron (NM_001003624, intron 1 of 5)	NM_001003624	diaph3	7.977347664	1.00546592	6.971881744	5.10E-31
peak_463	chr6	33677701	33678614	-1843	Intergenic	NM_001003858	mpl	7.191561112	0.219835396	6.971725716	4.78E-27
peak_455	chr13	51970204	51970712	-28754	Intergenic	NM_144764	gpib	7.191401922	0.219835396	6.971566526	3.61E-27
peak_339	chr7	52823576	52824069	-47877	exon (NM_001044906, exon 11 of 13)	NM_001017840	rasl11a	8.042318689	1.07379276	6.968525929	2.88E-29
peak_459	chr21	33690489	33690932	38097	exon (NM_203461, exon 8 of 15)	NM_203461	chm	7.437924072	0.474639816	6.963284256	4.36E-27
peak_482	chr2	22768335	22768887	-40487	Intergenic	NM_131213	rnf2	7.181110163	0.219835396	6.961274767	8.72E-27
peak_521	chr21	41242066	41242479	30668	Intergenic	NM_201133	stk10	7.174428688	0.219835396	6.954593293	2.21E-26
peak_328	chr5	55760488	55760950	32947	exon (NM_001003613, exon 9 of 13)	NM_001003613	srek1	7.661502001	0.709096771	6.95240523	2.00E-29
peak_462	chr18	27929781	27930240	54263	exon (NM_001080159, exon 7 of 15)	NM_001080159	hipk3b	7.169379377	0.219835396	6.949543981	4.73E-27
peak_510	chr3	55588157	55588911	-67677	Intergenic	NM_001159970	s1pr2	7.651875759	0.709096771	6.942778987	1.52E-26
peak_536	chr16	7168323	7168725	-191298	Intergenic	NM_001003516	zgc:100908	7.162480812	0.219835396	6.942645416	3.48E-26
peak_621	chr4	10624505	10624895	20605	Intergenic	NM_001007767	net1	7.156936312	0.219835396	6.937100917	2.20E-25
peak_467	chr10	2472974	2473504	-135678	Intergenic	NM_001008630	nxnl2	7.155531108	0.219835396	6.935695712	5.56E-27
peak_466	chr17	14494941	14495496	17116	intron (NM_001204257, intron 3 of 17)	NM_001204257	ppp1r13ba	7.154605547	0.219835396	6.934770152	5.34E-27
peak_355	chr24	29448927	29449397	-34401	Intergenic	NM_001002206	abca4a	7.625469814	0.691124799	6.934345015	6.62E-29
peak_493	chr5	14682179	14682664	52226	Intergenic	NM_001099993	si:ch211-89f7.1	7.153207081	0.219835396	6.933371685	1.06E-26
peak_483	chr11	43379957	43380385	142367	Intergenic	NM_001077254	slmapa	7.152898129	0.219835396	6.933062734	9.08E-27
peak_469	chr1	46789493	46790101	98357	Intergenic	NM_001037662	sox1b	7.151661661	0.219835396	6.931826265	6.06E-27
peak_801	chr21	28157892	28158572	16568	intron (NM_001003543, intron 2 of 7)	NM_001003543	zgc:100829	8.60411256	1.673255946	6.930856614	1.15E-23
peak_512	chr20	18516959	18517406	-62928	intron (NM_001045125, intron 13 of 35)	NM_001001836	vipas39	7.149795936	0.219835396	6.92996054	1.59E-26
peak_229	chr2	43434979	43435857	129279	Intergenic	NM_205735	pard3	9.107003527	2.17736313	6.929640398	2.95E-32
peak_480	chr7	39420417	39420907	59305	Intergenic	NM_131885	cebpa	7.148556805	0.219835396	6.928721409	8.29E-27
peak_317	chr22	10480258	10480954	-16670	Intergenic	NM_001195614	stab1	7.82261699	0.895109366	6.927507625	9.94E-30
peak_3715	chr17	10362120	10363025	-3380	Intergenic	NM_199786	clec14a	9.999536509	3.074167472	6.925369037	3.49E-14
peak_490	chr2	23541796	23542332	4617	Intergenic	NM_001199680	mrpl34	7.1449793	0.219835396	6.925143904	1.05E-26
peak_491	chr24	28207363	28207936	62622	intron (NM_131779, intron 9 of 12)	NM_001115054	si:dkey-25o1.6	7.1449793	0.219835396	6.925143904	1.05E-26
peak_502	chr1	24971123	24971766	-10418	Intergenic	NM_200808	ndufb6	7.144522262	0.219835396	6.924686866	1.29E-26
peak_478	chr10	9176749	9177252	-6300	Intergenic	NM_001015063	snx18b	7.144046942	0.219835396	6.924211547	7.50E-27
peak_515	chr13	17687132	17687631	-34119	Intergenic	NM_001163808	comtd1	7.141860014	0.219835396	6.922024618	1.85E-26
peak_487	chr6	37632668	37633228	29387	intron (NM_212759, intron 11 of 30)	NM_212759	cyfip1	7.14076985	0.219835396	6.920934454	1.02E-26
peak_514	chr3	28770729	28771127	45482	Intergenic	NM_001201336	fbxl16	7.140155621	0.219835396	6.920320226	1.79E-26
peak_571	chr8	31403366	31403823	54382	intron (NM_001123253, intron 4 of 22)	NM_001123253	si:dkey-91m11.5	7.138596149	0.219835396	6.918760754	6.60E-26
peak_397	chr8	15736401	15736809	-19895	Intergenic	NM_001113603	si:dkey-7o6.3	7.385768012	0.474639816	6.911128195	4.19E-28
peak_379	chr1	19494251	19494824	112790	Intergenic	NM_131010	tll1	8.479565725	1.572639597	6.906926128	2.00E-28
peak_489	chr3	33370727	33371208	-66565	Intergenic	NM_001114705	hspb9	7.125865179	0.219835396	6.906029783	1.05E-26
peak_520	chr6	33724034	33724613	-12385	Intergenic	NM_001114441	ap1m3	7.124290174	0.219835396	6.904454778	2.20E-26
peak_499	chr11	24958047	24958956	-10590	Intergenic	NM_001002171	hdac11	7.121599504	0.219835396	6.901764108	1.22E-26
peak_494	chr11	6733577	6733957	-167949	Intergenic	NM_001017761	rab3ab	7.1184292	0.219835396	6.898593804	1.07E-26
peak_497	chr6	1219809	1220133	58386	intron (NM_001110010_1, intron 3 of 17)	NM_001110010_1	plxna1b	7.117954438	0.219835396	6.898119042	1.17E-26
peak_519	chr25	18848224	18848651	-30644	Intergenic	NM_194380	dusp6	7.117311941	0.219835396	6.897476545	2.19E-26
peak_412	chr8	20573285	20573808	57816	Intergenic	NM_001123276	znf692	8.122314395	1.226539182	6.895775213	7.10E-28
peak_555	chr17	45709238	45709729	69300	Intergenic	NM_001014367	zgc:110783	7.115261165	0.219835396	6.895425769	5.26E-26
peak_719	chr5	50147212	50147960	-104650	Intergenic	NM_001130962	mef2cb	7.375960412	0.48510786	6.890852553	2.43E-24
peak_578	chr2	27755478	27755926	1657	intron (NM_001004543, intron 1 of 12)	NM_001004543	lyn	7.106635333	0.219835396	6.886799937	8.20E-26
peak_503	chr6	54548405	54548808	16928	intron (NM_001109724, intron 2 of 12)	NM_001109724	tead3b	7.106485105	0.219835396	6.886649709	1.30E-26
peak_429	chr7	32822904	32823391	-47211	Intergenic	NM_001199362	cilp	7.361051539	0.474639816	6.886411723	1.17E-27
peak_4387	chr14	9416563	9417932	36131	Intergenic	NM_001004009	asb12b	10.33567513	3.456498251	6.879176878	3.68E-13
peak_509	chr20	20991049	20991438	13699	intron (NM_199889, intron 4 of 18)	NM_001024815	btbd6b	7.098627506	0.219835396	6.87879211	1.49E-26
peak_345	chr15	46452185	46453268	6748	intron (NM_001039804, intron 5 of 14)	NM_001039804	inppl1a	8.280000974	1.402722361	6.877278613	3.47E-29
peak_804	chr3	60195085	60195626	5653	intron (NM_001113799, intron 2 of 14)	NM_001113799	zmp:000000068	8.709567813	1.83517185	6.874395963	1.22E-23
peak_2221	chr12	18783285	18784268	-3729	Intergenic	NM_131516	pvalb2	9.846264293	2.973132908	6.873131386	2.53E-17
peak_424	chr4	12627655	12628181	4122	intron (NM_001044820, intron 5 of 12)	NM_001044820	mdm1	7.358098536	0.48510786	6.872990677	1.05E-27
peak_525	chr7	25983059	25983535	12663	exon (NM_001002500, exon 7 of 7)	NM_001002500	otub1b	7.09234833	0.219835396	6.872512934	2.84E-26
peak_417	chr8	2905827	2906217	-29467	Intergenic	NM_001039998	sh3glb2a	7.355139477	0.48510786	6.870031617	8.78E-28
peak_585	chr23	32176284	32176675	24550	Intergenic	NM_199539	armc1l	7.086527085	0.219835396	6.866691689	1.00E-25
peak_540	chr2	49349420	49350013	-62923	Intergenic	NM_001077752	zgc:123035	7.083927053	0.219835396	6.864091657	3.63E-26
peak_5061	chr9	3914968	3915872	-247063	Intergenic	NM_180973	sp5a	9.678734871	2.81595363	6.862781242	2.64E-12
peak_535	chr18	30527171	30527619	15127	Intergenic	NM_001002622	irf8	7.080022939	0.219835396	6.860187543	3.46E-26
peak_726	chr24	17631400	17631911	13130	intron (NM_001128702, intron 1 of 9)	NM_001128702	pip4k2aa	7.07938229	0.219835396	6.859546894	3.00E-24
peak_587	chr3	23138725	23139341	-18255	Intergenic	NM_001128744	cyb561	7.077401652	0.219835396	6.857566256	1.03E-25
peak_976	chr19	34885350	34886378	56502	Intergenic	NM_001127256	triqk	7.076615968	0.219835396	6.856780572	1.53E-22
peak_325	chr9	16883402	16883853	-133590	Intergenic	NM_001113633	si:dkey-103d23.5	7.831535591	0.975101991	6.8564336	1.87E-29
peak_553	chr18	20549435	20550228	91936	Intergenic	NM_001044883	cftr	7.07529331	0.219835396	6.855457914	5.16E-26
peak_377	chr20	25736310	25736979	-4681	Intergenic	NM_001199990	cep135	7.899195461	1.045780477	6.853414984	1.93E-28
peak_575	chr23	33797387	33798041	-25885	Intergenic	NM_001004288	itga5	7.072663407	0.219835396	6.852828011	7.33E-26
peak_537	chr18	23027158	23028121	53058	intron (NM_131301, intron 2 of 9)	NM_131301	mef2aa	7.072019481	0.219835396	6.852184085	3.48E-26
peak_422	chr1	53839017	53839475	-30933	Intergenic	NM_199523	ucp1	7.337120559	0.48510786	6.852012699	9.82E-28
peak_643	chr19	25191833	25192559	38786	intron (NM_001045221, intron 16 of 21)	NM_001045221	si:dkeyp-92c9.3	7.070365461	0.219835396	6.850530065	3.98E-25
peak_524	chr15	19102764	19103406	-16279	Intergenic	NM_001083838	med13b	7.06922944	0.219835396	6.849394044	2.60E-26
peak_444	chr6	30159900	30160409	15599	Intergenic	NM_001045383	zgc:153311	7.323160258	0.474639816	6.848520441	2.18E-27
peak_531	chr5	72395950	72396486	-6286	Intergenic	NM_001114707	si:ch211-157p22.	7.066433993	0.219835396	6.846598598	3.08E-26
peak_549	chr21	19796628	19797024	18790	Intergenic	NM_001145766	htr1ab	7.063313966	0.219835396	6.84347857	4.75E-26
peak_470	chr11	6060473	6061052	16023	intron (NM_001020769, intron 6 of 8)	NM_001020769	gtpbp3	8.20781904	1.364650599	6.843168442	6.14E-27
peak_301	chr19	22772647	22773138	57987	intron (NM_001045159, intron 9 of 9)	NM_199656	slc52a2	8.143507325	1.30163016	6.841877164	4.17E-30
peak_620	chr24	22877892	22878302	-166594	Intergenic	NM_131572	dap	7.061156106	0.219835396	6.841320711	2.16E-25
peak_492	chr9	56299800	56300211	25129	exon (NM_001002457, exon 9 of 12)	NM_001002457	egfl6	7.914263515	1.07379276	6.840470756	1.06E-26
peak_387	chr14	27805703	27806189	-5147	Intergenic	NM_001110457	klhl4	7.548095614	0.709096771	6.838998842	3.12E-28
peak_574	chr9	10334060	10334446	36322	Intergenic	NM_001003636	hnmt	7.058529149	0.219835396	6.838693753	7.13E-26
peak_689	chr24	24642242	24642913	4154	Intergenic	NM_139180	lyz	7.058509905	0.219835396	6.838674509	1.13E-24
peak_477	chr20	22309128	22309597	16214	exon (NM_001024653, exon 6 of 32)	NM_001024653	kdr	7.71556376	0.87932337	6.83624039	7.37E-27
peak_541	chr2	39778352	39778813	61556	exon (NM_001005919, exon 14 of 17)	NM_001005919	epha4a	7.05355326	0.219835396	6.833717864	3.69E-26
peak_542	chr20	39727200	39727620	16129	intron (NM_001020734, intron 4 of 5)	NM_001045231	hddc2	7.05355326	0.219835396	6.833717864	3.69E-26
peak_539	chr10	28682716	28683074	27902	exon (NM_001020542, exon 15 of 25)	NM_001020542	ints2	7.053387745	0.219835396	6.833552349	3.60E-26
peak_634	chr6	30588823	30589211	192848	Intergenic	NM_001037669	insl5a	7.052881425	0.219835396	6.83304603	2.95E-25
peak_596	chr24	9553260	9553693	55953	Intergenic	NM_001199738	topbp1	7.049575646	0.219835396	6.82974025	1.18E-25
peak_545	chr24	20233783	20234380	33423	Intergenic	NM_199619	csrnp1b	7.049233999	0.219835396	6.829398603	3.94E-26
peak_1156	chr11	14510896	14511858	-50781	Intergenic	NM_001122654	ptbp1b	9.628226077	2.799272142	6.828953935	2.29E-21
peak_552	chr20	29117649	29118181	-117655	Intergenic	NM_001006019	katnbl1	7.045734033	0.219835396	6.825898637	5.09E-26
peak_385	chr25	1062989	1063539	52201	Intergenic	NM_001080075	nell2a	7.516434178	0.691124799	6.825309379	2.58E-28
peak_646	chr24	8312868	8313320	-5262	Intergenic	NM_001039995	slc35b3	7.044559011	0.219835396	6.824723615	4.08E-25
peak_1347	chr14	48604175	48604955	-5794	Intergenic	NM_201014	rom1b	8.730770057	1.907116997	6.82365306	2.10E-20
peak_679	chr1	25008950	25009367	15546	intron (NM_200554, intron 6 of 7)	NM_200554	mtap	7.043245519	0.219835396	6.823410123	8.66E-25
peak_589	chr7	27115252	27115625	-40163	intron (NM_201124, intron 9 of 14)	NM_199618	alox12	7.041401	0.219835396	6.821565604	1.10E-25
peak_705	chr20	1571730	1572319	136357	Intergenic	NM_001100056	LOC796447	7.038393566	0.219835396	6.81855817	1.84E-24
peak_565	chr19	24839389	24839857	-40602	Intergenic	NM_001083107	si:dkey-81h8.1	7.038383808	0.219835396	6.818548413	6.14E-26

peak_1076	chr3	55418925	55419560	-5154	exon (NM_201463, exon 12 of 13)	NM_001204454	p2ry11	7.038236061	0.219835396	6.818400665	7.47E-22
peak_568	chr17	52247546	52248311	-22303	TTS (NM_200237)	NM_131801	odc1	7.037370165	0.219835396	6.817534769	6.32E-26
peak_560	chr5	30829002	30829464	4320	intron (NM_001099979, intron 6 of 13)	NM_001099979	man1b1	7.032498378	0.219835396	6.812662982	5.74E-26
peak_557	chr15	34332851	34333309	-6184	Intergenic	NM_213519	sesn3	7.032330429	0.219835396	6.812495034	5.54E-26
peak_618	chr4	15504305	15504956	-29722	Intergenic	NM_131697	dcn	7.032172261	0.219835396	6.812336865	2.13E-25
peak_391	chr13	366613	367166	-7134	Intergenic	NM_212700	degs1	7.520405368	0.709096771	6.811308597	3.70E-28
peak_3083	chr20	22370330	22371470	74518	Intergenic	NM_131053	kita	9.177992195	2.367686229	6.810305966	2.81E-15
peak_558	chr22	19161223	19161694	7944	exon (NM_198142, exon 5 of 9)	NM_198142	bsg	7.026935892	0.219835396	6.807100496	5.59E-26
peak_573	chr3	56271143	56271504	-1271	Intergenic	NM_001002045	mafga	7.025755296	0.219835396	6.805919901	7.11E-26
peak_389	chr25	18877800	18878238	44752	intron (NM_200118, intron 10 of 11)	NM_200118	poc1b	7.509197229	0.709096771	6.800100457	3.56E-28
peak_579	chr13	33053444	33053854	22628	exon (NM_174863, exon 24 of 31)	NM_001004615	pqlc3	7.015566339	0.219835396	6.795730944	8.63E-26
peak_703	chr19	26350612	26351162	-92379	Intergenic	NM_212563	pard6gb	7.013025195	0.219835396	6.793189799	1.80E-24
peak_3388	chr4	16228886	16229604	-83944	Intergenic	NM_001099454	casc1	9.223283473	2.431948405	6.791335068	9.85E-15
peak_808	chr24	24643573	24644272	2809	exon (NM_139180, exon 4 of 4)	NM_139180	lyz	7.008211265	0.219835396	6.788375869	1.37E-23
peak_441	chr10	43651175	43651687	11583	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	7.497407621	0.709096771	6.788310849	2.09E-27
peak_590	chr20	27558502	27558969	123250	Intergenic	NR_030115		7.008060394	0.219835396	6.788224999	1.12E-25
peak_384	chr20	18544307	18544761	63150	intron (NM_001045125, intron 5 of 35)	NM_001045125	cdc42bpb	7.691128483	0.902938058	6.788190425	2.56E-28
peak_619	chr3	33750240	33750679	-122195	Intergenic	NM_213330	sgsm3	7.006864244	0.219835396	6.787028849	2.15E-25
peak_586	chr7	25949088	25949613	46610	Intergenic	NM_001002500	otub1b	7.002221201	0.219835396	6.782385805	1.02E-25
peak_340	chr10	20554502	20555604	-28299	Intergenic	NM_001099244	loxl2a	8.987146788	2.204764791	6.782381998	2.92E-29
peak_582	chr1	46355717	46356222	-37423	Intergenic	NM_001075102	lipt1	7.001706608	0.219835396	6.781871212	9.26E-26
peak_663	chr5	16102098	16102481	-7929	exon (NM_001123312, exon 16 of 16)	NM_001002154	ap3m2	7.00083853	0.219835396	6.781003134	6.06E-25
peak_404	chr7	20242744	20243136	11563	Intergenic	NM_001100106	fcer1g	7.471328658	0.691124799	6.780203859	5.87E-28
peak_584	chr24	9359161	9359581	-53769	Intergenic	NM_001202441	nphp3	6.996196116	0.219835396	6.776360721	1.00E-25
peak_649	chr25	21724675	21725412	11563	Intergenic	NM_201482	fbxl14a	6.99601384	0.219835396	6.776178444	4.65E-25
peak_532	chr13	7926278	7926711	-58211	Intergenic	NM_001113797	socs5b	7.327836701	0.554393687	6.773443014	3.19E-26
peak_452	chr15	3943771	3944290	42112	Intergenic	NM_199855	rnf168	7.965584029	1.19500324	6.770580789	3.04E-27
peak_593	chr21	36280154	36280651	72308	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	6.988058862	0.219835396	6.768223466	1.14E-25
peak_595	chr3	36840114	36840501	963	intron (NM_001114432, intron 1 of 5)	NM_001114432	ramp2	6.987539192	0.219835396	6.767703796	1.16E-25
peak_3706	chr24	10823340	10824141	24793	Intergenic	NM_001017844	chmp4c	9.259255398	2.493469792	6.765785606	3.38E-14
peak_626	chr16	42612443	42612903	-87036	Intergenic	NM_001076716	rbms3	6.985285121	0.219835396	6.765449725	2.50E-25
peak_632	chr9	36062860	36063323	-22059	Intergenic	NM_152886	appb	6.985111585	0.219835396	6.765276189	2.78E-25
peak_607	chr3	26253480	26253955	23070	intron (NM_001040348, intron 4 of 5)	NM_001040348	rab40c	6.980571993	0.219835396	6.760736597	1.74E-25
peak_668	chr5	41809833	41810520	25401	Intergenic	NM_001100034	si:dkey-193c22.1	6.978296829	0.219835396	6.758461433	6.53E-25
peak_807	chr18	17050963	17051576	7201	intron (NM_001039460, intron 1 of 8)	NM_001039460	zfpm1	6.976747028	0.219835396	6.756911632	1.30E-23
peak_606	chr2	22502645	22503103	-3390	Intergenic	NM_001024379	csnk1g2a	6.975853607	0.219835396	6.756018211	1.74E-25
peak_651	chr24	28135285	28135745	-2838	Intergenic	NM_131779	vipr2	6.975689123	0.219835396	6.755853727	4.70E-25
peak_740	chr13	16212219	16212693	23196	intron (NM_001114628, intron 2 of 2)	NM_001114628	vwc2	6.975668741	0.219835396	6.755833346	3.91E-24
peak_664	chr17	22682316	22682769	25464	intron (NM_173285, intron 10 of 19)	NR_030140		6.975339714	0.219835396	6.755504318	6.13E-25
peak_676	chr2	49208663	49209206	77844	intron (NM_001012258_1, intron 1 of 1)	NM_001012258_1	zgc:123035	6.970604156	0.219835396	6.75076876	8.29E-25
peak_351	chr10	25103428	25104234	12464	exon (NM_199977, exon 12 of 14)	NM_199977	vps36	8.723246553	1.972678992	6.750567561	4.80E-29
peak_5865	chr24	39261236	39261899	35191	intron (NM_001030270, intron 4 of 11)	NM_001030270	rab11fip3	9.6588678	2.909201936	6.749665864	1.75E-11
peak_673	chr17	21833170	21833532	7315	exon (NM_200349, exon 9 of 10)	NM_200349	slc22a7b	6.96935606	0.219835396	6.749520664	7.76E-25
peak_474	chr25	5819748	5820182	-22488	Intergenic	NM_001197316	plxnb2b	7.822519869	1.07379276	6.748727109	6.61E-27
peak_775	chr8	33887676	33888126	4150	intron (NM_001126478, intron 1 of 3)	NM_001126478	angptl2b	6.968499016	0.219835396	6.74866362	6.85E-24
peak_681	chr11	38490135	38490967	-5401	intron (NM_001040385, intron 4 of 8)	NR_030659		6.964952808	0.219835396	6.745117412	9.07E-25
peak_608	chr15	38585384	38585838	23249	Intergenic	NM_173232	rps5	6.964787077	0.219835396	6.744951681	1.85E-25
peak_609	chr11	25442504	25443063	-50446	Intergenic	NM_001080582	mxra8a	6.961252308	0.219835396	6.741416912	1.85E-25
peak_611	chr4	16132004	16132681	-8262	Intergenic	NM_001033585	sox5	6.96072289	0.219835396	6.740887494	1.88E-25
peak_613	chr20	35121890	35122680	11084	intron (NM_001045094, intron 1 of 36)	NM_001045094	si:ch211-89p3.3	6.960369836	0.219835396	6.74053444	1.97E-25
peak_617	chr10	32123358	32123802	64475	intron (NM_153654, intron 1 of 10)	NM_153654	pknox2	6.960016696	0.219835396	6.7401813	2.13E-25
peak_433	chr9	36061389	36061798	-20561	Intergenic	NM_152886	appb	7.386030915	0.646338197	6.739692718	1.48E-27
peak_615	chr25	20278869	20279279	54964	Intergenic	NM_001004622	zgc:101783	6.956824215	0.219835396	6.736988819	2.02E-25
peak_543	chr7	49604384	49604897	103564	Intergenic	NM_131427	cpeb1b	8.932136344	2.195232929	6.736903415	3.79E-26
peak_774	chr19	19509092	19509836	120881	intron (NM_131340, intron 10 of 11)	NM_131065	nr1d2b	6.955240826	0.219835396	6.73540543	6.78E-24
peak_723	chr12	21661419	21661861	-26940	Intergenic	NM_001082834	zgc:163057	6.952372132	0.219835396	6.732536736	2.77E-24
peak_1176	chr9	37962044	37962640	14355	intron (NM_001003649, intron 1 of 4)	NM_001003649	ralba	8.544095968	1.813729373	6.730366595	3.04E-21
peak_783	chr7	68714039	68714913	-246344	Intergenic	NM_001110471_1	parvab	8.335415932	1.606593419	6.728822513	8.36E-24
peak_2121	chr6	54313344	54314250	-10071	Intergenic	NM_001013542	zgc:101577	9.977408004	3.250978812	6.726429192	1.33E-17
peak_762	chr8	21210609	21211115	165498	Intergenic	NM_001123271	si:ch211-133l5.7	6.939143388	0.219835396	6.719307992	5.64E-24
peak_518	chr8	17603410	17604282	5757	exon (NM_001099245, exon 12 of 14)	NM_001099245	plk2b	7.20282389	0.48510786	6.71771603	2.09E-26
peak_415	chr22	38055792	38056193	23714	intron (NM_201044, intron 8 of 9)	NM_201336	pfn2	7.542792709	0.825787209	6.7170055	8.32E-28
peak_448	chr10	45096672	45097148	-40643	intron (NM_131312, intron 4 of 10)	NR_045221		7.425279025	0.709096771	6.716182254	2.54E-27
peak_640	chr7	26357612	26358216	55084	intron (NM_001076730, intron 8 of 21)	NM_001076730	exoc6b	6.93519636	0.219835396	6.715360964	3.75E-25
peak_671	chr17	32446368	32446740	129229	Intergenic	NM_001077604	klf11b	6.931948417	0.219835396	6.712113021	7.45E-25
peak_782	chr12	6268881	6269461	-98773	Intergenic	NM_001002863	noc3l	6.928172706	0.219835396	6.70833731	8.20E-24
peak_712	chr25	23797076	23797552	-21479	Intergenic	NM_200880	dusp8a	6.923982777	0.219835396	6.704147381	2.15E-24
peak_645	chr6	33679271	33679673	-2042	Intergenic	NR_036574		6.923631181	0.219835396	6.703795785	3.98E-25
peak_1146	chr11	26309962	26310517	7533	Intergenic	NM_131842	mafbb	9.384582433	2.681962673	6.70261976	2.05E-21
peak_461	chr18	18724824	18725426	35106	Intergenic	NM_200780	ppcdc	7.409672761	0.709096771	6.70057599	4.71E-27
peak_1596	chr20	42388749	42389251	21596	intron (NM_001039977, intron 3 of 5)	NM_001039977	dcbld1	8.650199457	1.950187435	6.700012022	2.50E-19
peak_572	chr24	24336751	24337194	-1167	Intergenic	NM_001002202	ppp1r42	7.25324286	0.554393687	6.698849173	6.91E-26
peak_998	chr6	9926794	9927278	10440	3' UTR (NM_199646, exon 6 of 6)	NM_199646	itm2ba	8.370073818	1.673255946	6.696817872	2.41E-22
peak_962	chr5	38358926	38359999	28572	Intergenic	NM_001017863	ppp1r14aa	10.5500429	3.857532001	6.692510894	1.17E-22
peak_687	chr20	34011183	34011598	-683	promoter-TSS (NM_001030120)	NM_001030120	zp3a.2	6.912337638	0.219835396	6.692502242	1.12E-24
peak_440	chr19	21453389	21454027	169903	Intergenic	NM_214704	cndp2	7.736472535	1.045780477	6.690692059	2.09E-27
peak_653	chr5	52724446	52724784	11818	Intergenic	NM_201583	gcnt4a	6.909769352	0.219835396	6.689933956	5.04E-25
peak_2316	chr16	18166143	18166728	36547	Intergenic	NM_001020558	fabp11b	8.858658902	2.172505924	6.686152978	5.41E-17
peak_550	chr5	51654037	51654440	126665	intron (NM_200418, intron 4 of 6)	NM_131180	nr2f1a	7.169370466	0.48510786	6.684262606	4.96E-26
peak_902	chr4	20441300	20441709	-38989	intron (NM_001003870, intron 20 of 25)	NM_001006015	pawr	6.903722632	0.219835396	6.683887237	5.24E-23
peak_1059	chr4	22740129	22740874	-45619	intron (NM_001130599, intron 3 of 13)	NM_001017591	cpm	8.397386328	1.713875669	6.683510659	6.12E-22
peak_655	chr7	27118238	27118804	-37080	intron (NM_201124, intron 10 of 14)	NM_199618	alox12	6.901312156	0.219835396	6.68147676	5.46E-25
peak_657	chr17	30770461	30770785	-9130	Intergenic	NM_001128802	zgc:194392	6.901128219	0.219835396	6.681292823	5.48E-25
peak_660	chr22	17962206	17962623	-46221	Intergenic	NM_001080661	tm6sf2	6.900760274	0.219835396	6.680924878	5.64E-25
peak_659	chr17	33606424	33606904	13888	Intergenic	NM_199748	ccdc28a	6.900760274	0.219835396	6.680924878	5.64E-25
peak_662	chr9	33346920	33347575	7068	3' UTR (NM_213420, exon 9 of 9)	NM_001003439	mob4	6.900392235	0.219835396	6.680556839	5.98E-25
peak_696	chr7	20409980	20410591	-30859	intron (NM_001202493, intron 48 of 52)	NM_001110837	il13ra1	6.898366342	0.219835396	6.678530947	1.38E-24
peak_569	chr1	42405803	42406311	174264	Intergenic	NM_201502	smox	7.557359935	0.87932337	6.678036565	6.49E-26
peak_667	chr17	52246170	52246624	-23834	exon (NM_200237, exon 21 of 21)	NM_131801	odc1	6.897433782	0.219835396	6.677598386	6.43E-25
peak_517	chr11	13936054	13936528	108595	intron (NM_001005206, intron 7 of 9)	NM_001005206	wdr18	7.872364237	1.19500324	6.677360996	2.08E-26
peak_711	chr13	6247368	6247920	-5223	Intergenic	NM_001278825	angpt2a	6.89520826	0.219835396	6.675372865	2.12E-24
peak_680	chr17	21840184	21840627	261	exon (NM_200349, exon 1 of 10)	NM_200349	slc22a7b	6.894664817	0.219835396	6.674829422	8.92E-25
peak_942	chr7	58250851	58251484	-101016	Intergenic	NM_201194	scamp2l	7.74822537	1.07379276	6.674432611	9.05E-23
peak_1011	chr1	24922294	24922991	5511	intron (NM_001105703, intron 3 of 3)	NM_001105703	zgc:171777	8.38787373	1.713875669	6.673998061	3.04E-22
peak_1735	chr22	32643769	32644455	-31565	Intergenic	NM_212565	dusp5	8.659977726	1.994825282	6.665152444	7.86E-19
peak_721	chr5	47724035	47724452	35196	intron (NM_001128340, intron 3 of 37)	NM_001128340	iqgap2	6.883699977	0.219835396	6.663864581	2.47E-24
peak_752	chr8	51419667	51420180	13319	Intergenic	NM_199945	fkbp1aa	6.882955046	0.219835396	6.66311965	4.39E-24
peak_1078	chr5	32482500	32483393	80243	intron (NM_001083847, intron 3 of 11)	NM_001083847	spns2	8.373583688	1.713875669	6.659708019	7.57E-22
peak_677	chr22	23139891	23140265	-53201	Intergenic	NM_131463	nr5a2	6.877894867	0.219835396	6.658059471	8.45E-25
peak_695	chr7	35968445	35968799	21304	Intergenic	NM_001130774	calml4a	6.87546266	0.219835396	6.655627264	1.38E-24
peak_690	chr23	5760360	5760766	-25652	Intergenic	NM_152893	tnnt2a	6.874327785	0.219835396	6.65449239	1.17E-24
peak_770	chr21	24275139	24275518	12642	intron (NM_001082863, intron 1 of 8)	NM_001082863	jam3b	6.8732139	0.219835396	6.653378504	6.21E-24
peak_513	chr3	32704661	32705424	-3243	Intergenic	NR_030094		7.359697945	0.709096771	6.650601174	1.67E-26
peak_1026	chr7	27883279	27884111	-5181	Intergenic	NM_001002734	tspan18a	8.364257625	1.713875669	6.650381956	3.80E-22
peak_597	chr19	28204622	28205332	57337	intron (NM_001099987, intron 3 of 24)	NM_001099987	adcy2b	8.014206328	1.364650599	6.649555729	1.23E-25

peak_142	chr25	7644135	7644923	17205	Intergenic	NM_001089334	hmg20a	9.372758701	2.724209769	6.648548933	1.18E-35
peak_435	chr1	41679010	41679672	-10455	intron (NM_131018, intron 64 of 66)	NM_214724	rgs12b	8.627086577	1.979077321	6.648009256	1.60E-27
peak_686	chr10	32608866	32609227	8235	intron (NM_001115066, intron 1 of 6)	NM_001115066	esama	6.867554649	0.219835396	6.647719253	1.02E-24
peak_771	chr13	21911080	21911533	2620	intron (NM_001082814, intron 2 of 2)	NM_001082814	chchd1	6.867355371	0.219835396	6.647519976	6.38E-24
peak_865	chr13	43791627	43792304	20219	intron (NM_214809, intron 37 of 68)	NM_001077581	zgc:153073	6.864139604	0.219835396	6.644304208	3.10E-23
peak_2685	chr13	30674218	30674889	-55830	Intergenic	NM_001113339	zmiz1a	8.873583467	2.229879429	6.643704038	3.93E-16
peak_688	chr9	25214168	25214552	-12026	Intergenic	NM_200535	stk17b	6.862640026	0.219835396	6.64280463	1.12E-24
peak_1607	chr20	32230638	32231414	-32260	Intergenic	NM_001002660	sesn1	8.591877079	1.950187435	6.641689644	2.76E-19
peak_724	chr24	8202288	8202781	-93036	Intergenic	NM_001030066	bloc1s5	6.860181942	0.219835396	6.640346547	2.86E-24
peak_763	chr19	31949985	31950366	71162	Intergenic	NM_001003606	fam49a	6.857318353	0.219835396	6.637482958	5.71E-24
peak_1127	chr17	14469629	14471283	41878	intron (NM_001204257, intron 5 of 17)	NM_001204257	ppp1r13ba	9.176553537	2.539977782	6.636575756	1.70E-21
peak_534	chr20	39810107	39810603	4390	intron (NM_001082853, intron 1 of 5)	NM_001082853	rnf217	7.862634515	1.226539182	6.636095334	3.43E-26
peak_955	chr14	50833878	50834452	-144887	Intergenic	NM_001002065_1	ppid	8.896929227	2.261376544	6.635552683	1.06E-22
peak_526	chr5	15736091	15736877	206300	Intergenic	NM_001171697	npffr1l2	7.708711963	1.07379276	6.634919203	2.93E-26
peak_544	chr24	22590894	22591438	6141	intron (NM_001005777, intron 7 of 8)	NM_001005777	apoob	7.325621448	0.691124799	6.634496649	3.85E-26
peak_496	chr4	17184478	17184973	84870	intron (NM_001100017, intron 4 of 25)	NM_001100017	anks1b	7.341201883	0.709096771	6.632105111	1.14E-26
peak_706	chr3	34654428	34654884	-8058	Intergenic	NM_198911	sept9a	6.850274162	0.219835396	6.630438766	1.86E-24
peak_601	chr1	41609445	41610096	59116	intron (NM_214724, intron 6 of 17)	NM_214724	rgs12b	8.671486439	2.042495729	6.628990711	1.39E-25
peak_2212	chr10	239304	240731	-12897	intron (NM_131836, intron 4 of 5)	NM_001023580	ets2	10.92626937	4.298942563	6.627326803	2.41E-17
peak_812	chr9	22996386	22997218	6610	intron (NM_001128231, intron 1 of 32)	NM_001128231	lmo7a	8.080902183	1.453857079	6.627045105	1.44E-23
peak_661	chr19	11609062	11609917	-12930	Intergenic	NM_001081631	arhgef1a	8.049644103	1.424574834	6.625069269	5.74E-25
peak_700	chr18	43937998	43938536	92870	Intergenic	NM_001039634	wt1b	6.844343865	0.219835396	6.624508469	1.59E-24
peak_698	chr5	65105011	65105445	44852	Intergenic	NM_178287	sepw1	6.843578328	0.219835396	6.623742932	1.55E-24
peak_484	chr13	35636617	35637080	57275	intron (NM_200411, intron 6 of 11)	NM_200411	slx4ip	7.332618522	0.709096771	6.623521751	9.42E-27
peak_488	chr18	10308552	10309233	-68805	Intergenic	NM_001020699	ttc38	7.331799906	0.709096771	6.622703135	1.04E-26
peak_778	chr16	18590434	18591010	12271	intron (NM_001003589, intron 2 of 6)	NM_001003589	ccdc12	7.986509403	1.364650599	6.621858805	7.54E-24
peak_710	chr1	47920001	47920381	8369	intron (NM_001034988, intron 1 of 1)	NM_001034988	cx41.8	6.829694909	0.219835396	6.609859513	2.10E-24
peak_437	chr8	45276284	45276683	-77566	Intergenic	NM_001037705	ccdc92	7.583803568	0.975101991	6.608701577	1.80E-27
peak_766	chr15	14193648	14194049	-58065	Intergenic	NM_173271	med29	6.827168702	0.219835396	6.607333306	5.86E-24
peak_727	chr15	28675080	28675460	27844	Intergenic	NM_199733	tsku	6.826986361	0.219835396	6.607150965	3.11E-24
peak_436	chr20	28183966	28184465	-90687	Intergenic	NM_001079835	dll4	7.582076822	0.975101991	6.606974831	1.76E-27
peak_733	chr4	17854015	17854504	3536	intron (NM_001165915, intron 8 of 20)	NM_001165915	slc26a4	6.826792699	0.219835396	6.606957303	3.39E-24
peak_784	chr21	21881558	21882032	26570	intron (NM_001202443, intron 3 of 22)	NM_001202443	si:rp71-1p14.10	6.825242463	0.219835396	6.605407067	8.73E-24
peak_715	chr17	24480982	24481543	31577	Intergenic	NM_001261426	morn2	8.059023871	1.453857079	6.605166793	2.24E-24
peak_1180	chr17	9901772	9902380	-12058	Intergenic	NM_205700	cfl2	8.376310576	1.771592457	6.604718119	3.26E-21
peak_714	chr6	45787988	45788376	18028	exon (NM_198915, exon 22 of 26)	NM_198915	rbm19	6.823679236	0.219835396	6.60384384	2.23E-24
peak_319	chr2	38679169	38679679	17079	intron (NM_001123046, intron 4 of 4)	NM_001114740	si:ch211-119o8.6	8.195020711	1.592139519	6.602881193	1.22E-29
peak_761	chr5	61856091	61856712	604558	Intergenic	NM_001127307	dtx2	8.092822196	1.490687863	6.602134333	5.62E-24
peak_734	chr23	33736645	33737022	34996	intron (NM_001004288, intron 2 of 29)	NM_001004288	itga5	6.820948015	0.219835396	6.601112619	3.41E-24
peak_896	chr18	36732698	36733110	6635	exon (NM_131111, exon 3 of 3)	NM_131111	lmo2	6.818429161	0.219835396	6.598593765	4.99E-23
peak_383	chr9	16409387	16409928	-68779	Intergenic	NM_200144	upp2	7.76157113	1.163564482	6.598006648	2.52E-28
peak_522	chr7	36030006	36030464	-44970	Intergenic	NM_001113472	slc9a5	7.500467529	0.902938058	6.597529471	2.25E-26
peak_6425	chr7	45457493	45459311	24932	Intergenic	NM_001003983	cdh5	10.64937518	4.052602696	6.59677248	5.81E-11
peak_2830	chr16	3587806	3588701	11898	intron (NM_001105701_1, intron 5 of 6)	NM_001105701_1	lars2	8.846649187	2.25221264	6.594436547	8.99E-16
peak_1341	chr11	22271220	22272018	-34378	intron (NM_001048235, intron 11 of 22)	NM_001002751	ikbke	8.667961475	2.074042579	6.593918896	1.88E-20
peak_722	chr23	24666534	24666912	-36211	Intergenic	NM_001033590	fam131c	6.81352808	0.219835396	6.593692684	2.72E-24
peak_822	chr24	29443159	29443648	-40160	Intergenic	NM_001002206	abca4a	6.813321198	0.219835396	6.593485802	1.66E-23
peak_718	chr13	27532728	27533175	-5737	intron (NM_001076727, intron 8 of 10)	NM_200009	eef1a1a	7.144814885	0.554393687	6.590421199	2.39E-24
peak_735	chr1	51856742	51857295	-59342	Intergenic	NM_213499	actr2a	6.807837	0.219835396	6.588001604	3.41E-24
peak_772	chr24	36390536	36390929	-287689	Intergenic	NM_001030067	pcmtd1	6.806844026	0.219835396	6.58700863	6.74E-24
peak_1072	chr19	3511997	3512534	-51737	intron (NM_001077735, intron 10 of 15)	NM_001083069	scxa	6.80627771	0.219835396	6.586442315	7.13E-22
peak_570	chr13	25993173	25993841	4346	intron (NM_001017870, intron 3 of 6)	NM_001017870	pdlim1	7.487020895	0.902938058	6.584082837	6.53E-26
peak_605	chr16	24422045	24422428	52257	Intergenic	NM_001002349	aqp10a	7.055712871	0.474639816	6.581073055	1.73E-25
peak_860	chr21	1023527	1023935	-83971	Intergenic	NM_201138	txnl1	6.799362522	0.219835396	6.579527127	2.94E-23
peak_530	chr1	45414604	45415302	9498	exon (NM_001077785, exon 5 of 5)	NM_001077785	vps37c	7.270609102	0.691124799	6.579484303	3.07E-26
peak_749	chr7	52093852	52094268	-183585	Intergenic	NM_212439	per1b	6.795188204	0.219835396	6.575352808	4.32E-24
peak_650	chr23	17608781	17609184	-8524	exon (NM_199582, exon 5 of 7)	NM_200008	ppdpfb	7.060167954	0.48510786	6.575060094	4.70E-25
peak_563	chr23	45715908	45716624	-15455	Intergenic	NM_001077745_1	ctc1	7.801230788	1.226539182	6.574691606	6.00E-26
peak_794	chr8	22914354	22914749	17636	Intergenic	NM_214777	b3gnt7l	6.790826387	0.219835396	6.570990991	1.06E-23
peak_840	chr12	43177953	43178881	12838	Intergenic	NM_001012245	bnip3	9.203232058	2.633437279	6.569794779	2.25E-23
peak_747	chr5	75104818	75105295	4304	intron (NM_001114475, intron 1 of 1)	NM_001114475	fam78ab	6.78942417	0.219835396	6.569588775	4.20E-24
peak_504	chr16	41967333	41967872	-33899	Intergenic	NM_001005934	gpd1l	7.471947994	0.902938058	6.569009936	1.33E-26
peak_929	chr15	23065798	23066374	-10089	Intergenic	NM_001002058	sae1	6.788441644	0.219835396	6.568606248	7.61E-23
peak_797	chr7	30649787	30650250	11982	intron (NM_001007405, intron 3 of 5)	NM_001099259	rab8b	6.785842092	0.219835396	6.566006696	1.10E-23
peak_820	chr9	47402842	47403208	213506	Intergenic	NM_131069	cx43.4	6.785244213	0.219835396	6.565408817	1.64E-23
peak_641	chr13	22986180	22986578	-2622	exon (NM_001003759, exon 6 of 10)	NM_001024411	zgc:112210	7.11938748	0.554393687	6.564993793	3.84E-25
peak_837	chr8	20829883	20830291	-12888	Intergenic	NM_001256671	myo1f	6.782627238	0.219835396	6.562791842	2.17E-23
peak_767	chr5	33688412	33688814	23536	Intergenic	NM_001128686	arpc5lb	6.782239444	0.219835396	6.562404048	5.90E-24
peak_811	chr19	12342342	12342696	127597	exon (NM_001002873, exon 12 of 13)	NM_001002873	ctdp1	6.782028025	0.219835396	6.56219263	1.44E-23
peak_758	chr19	16820354	16820964	1694	intron (NM_212682, intron 2 of 5)	NM_212682	clic1	6.778427512	0.219835396	6.558592117	4.98E-24
peak_644	chr8	17654365	17654883	-8277	Intergenic	NM_001083560	zgc:162295	7.267473167	0.709096771	6.558376396	3.98E-25
peak_4945	chr14	20871839	20872710	-285577	Intergenic	NM_152963	fmr1	9.220693394	2.663703566	6.556989828	1.89E-12
peak_793	chr16	27751313	27751733	22933	intron (NM_201134, intron 7 of 9)	NM_201134	dtnbp1a	6.776211065	0.219835396	6.55637567	1.06E-23
peak_779	chr7	33772093	33772472	-170591	Intergenic	NM_205624	fshb	6.771791406	0.219835396	6.55195601	7.64E-24
peak_817	chr22	18813112	18813733	-43070	Intergenic	NM_200017	cirbp	6.77157845	0.219835396	6.551743055	1.54E-23
peak_802	chr12	6346651	6347412	-20913	Intergenic	NM_001002863	noc3l	8.476410189	1.927224765	6.549185425	1.20E-23
peak_773	chr3	19217015	19217455	-26939	Intergenic	NM_001007316	s1pr5a	6.76734639	0.219835396	6.547510995	6.76E-24
peak_1366	chr16	8618630	8619337	19084	intron (NM_205618, intron 7 of 7)	NM_001009914	atg5	8.358760614	1.813729373	6.545031241	2.66E-20
peak_776	chr7	52784890	52785372	-9186	Intergenic	NM_001017840	rasl11a	6.76410181	0.219835396	6.544266414	6.89E-24
peak_915	chr10	27015528	27015960	-134683	Intergenic	NM_001007030	synj1	6.763506657	0.219835396	6.543671261	6.55E-23
peak_4700	chr23	39122558	39123504	76963	Intergenic	NM_001080609	sall4	9.151161298	2.609160782	6.542000516	9.36E-13
peak_475	chr3	21536815	21537453	-43700	Intergenic	NM_001006067	syngr1a	8.457164877	1.917205913	6.539958964	6.71E-27
peak_777	chr23	23484231	23484864	-10988	Intergenic	NM_001003830	noc2l	6.757805706	0.219835396	6.53797031	7.19E-24
peak_780	chr22	39527843	39528352	-10842	Intergenic	NM_201294	b3gnt7	6.757196092	0.219835396	6.537360697	7.79E-24
peak_786	chr24	28926868	28927258	-177627	Intergenic	NM_001080203	hs6st1b	6.756586221	0.219835396	6.536750825	9.11E-24
peak_694	chr6	36225949	36226633	-12258	Intergenic	NM_001080682	lrrc15	7.901214825	1.364650599	6.536564226	1.37E-24
peak_670	chr24	6056776	6057362	38211	intron (NM_200738, intron 2 of 9)	NM_200738	abi1a	7.901036241	1.364650599	6.536385642	7.30E-25
peak_864	chr22	21213609	21214472	30870	intron (NM_199707, intron 1 of 11)	NM_199707	ell	8.024305636	1.490687863	6.533617773	3.09E-23
peak_583	chr1	46264938	46265540	-42536	Intergenic	NM_001089578	si:ch211-214c7.5	8.368333416	1.836839656	6.53149376	9.36E-26
peak_1129	chr13	3433285	3433681	157656	Intergenic	NM_201129	ncoa4	6.750269074	0.219835396	6.530433679	1.72E-21
peak_805	chr6	32214864	32215303	-111242	Intergenic	NM_199579	usp1	6.749632428	0.219835396	6.529797032	1.23E-23
peak_792	chr11	19504696	19505218	13133	exon (NM_001007063, exon 22 of 22)	NM_001110031	rhol	6.746359665	0.219835396	6.526524269	1.03E-23
peak_498	chr22	11971258	11971732	-28028	Intergenic	NM_001044313	ptpn4b	7.28551576	0.760026623	6.525489138	1.20E-26
peak_810	chr1	38559561	38560014	7503	intron (NM_001020641, intron 2 of 11)	NM_001020641	galnt7	6.744503506	0.219835396	6.52466811	1.41E-23
peak_2923	chr22	10463774	10464831	-366	promoter-TSS (NM_001195614)	NM_001195614	stab1	8.775060161	2.25221264	6.522847522	1.44E-15
peak_819	chr17	53453271	53453919	21031	Intergenic	NM_131896_1	meis2a	6.740191153	0.219835396	6.520355758	1.60E-23
peak_838	chr18	23078684	23079097	104309	intron (NM_131301, intron 4 of 9)	NM_131301	mef2aa	6.739574049	0.219835396	6.519738654	2.19E-23
peak_857	chr3	26250782	26251172	20330	intron (NM_001040348, intron 3 of 5)	NM_001040348	rab40c	6.7391625	0.219835396	6.519327104	2.82E-23
peak_1004	chr20	18565660	18566307	41701	intron (NM_001045125, intron 2 of 35)	NM_001045125	cdc42bpb	6.737903114	0.219835396	6.518067718	2.87E-22
peak_4206	chr24	9596467	9597167	-85207	Intergenic	NM_212721	cdv3	9.011269432	2.493469792	6.51779964	2.04E-13
peak_795	chr10	11058101	11058524	54152	exon (NM_001024207, exon 9 of 9)	NM_001024207	ugcg	6.736472535	0.219835396	6.51663714	1.09E-23
peak_893	chr2	25404407	25404797	-122025	Intergenic	NM_001159832	fndc3ba	6.735841805	0.219835396	6.516006409	4.85E-23
peak_501	chr11	19447714	19448112	70177	intron (NM_001007063, intron 5 of 21)	NM_001110031	rhol	7.27601799	0.760026623	6.515991367	1.25E-26
peak_4188	chr20	19089814	19090692	11378	intron (NM_001013265, intron 5 of 6)	NM_001013265	pinx1	9.004803901	2.493469792	6.511334109	1.91E-13
peak_806	chr4	18564661	18565100	63584	intron (NM_182865, intron 10 of 23)	NM_182865	snd1	6.72672478	0.219835396	6.506889384	1.24E-23

peak_873	chr7	72193821	72194322	-1815	Intergenic	NM_200412	spata6l	6.724427396	0.219835396	6.504592	3.43E-23
peak_430	chr3	17132519	17133098	-48411	Intergenic	NM_001077392	hcrt	8.06405353	1.559712523	6.504341006	1.20E-27
peak_854	chr13	5704533	5705039	48911	Intergenic	NM_200655	phf10	6.724011502	0.219835396	6.504176107	2.73E-23
peak_759	chr21	28632605	28632994	-118828	Intergenic	NM_001007382	ttc1	7.191569887	0.691124799	6.500445088	5.01E-24
peak_1235	chr14	27843307	27844117	32619	Intergenic	NM_001110457	klhl4	9.11171694	2.611959078	6.499757862	6.87E-21
peak_844	chr14	21947933	21948306	16988	intron (NM_199273, intron 2 of 13)	NM_199273	zgc:66433	6.719011406	0.219835396	6.49917601	2.36E-23
peak_814	chr24	10741563	10742088	-21450	Intergenic	NR_105068		6.716283569	0.219835396	6.496448174	1.51E-23
peak_815	chr13	7565691	7566091	-52787	Intergenic	NM_001037101	hells	6.715656152	0.219835396	6.495820756	1.52E-23
peak_827	chr3	16553735	16554101	11660	intron (NM_212672, intron 5 of 20)	NM_212672	atp6v0a1a	6.714609849	0.219835396	6.494774453	1.83E-23
peak_1112	chr7	36037055	36037453	-37951	Intergenic	NM_001113472	slc9a5	6.714203331	0.219835396	6.494367935	1.29E-21
peak_2085	chr2	47735030	47735751	8144	intron (NM_001004635, intron 1 of 4)	NM_001004635	ap1s3b	8.524955679	2.031824933	6.493130746	1.07E-17
peak_362	chr10	22938066	22938868	-9013	Intergenic	NM_001030178	kdm6bb	7.967336948	1.475018232	6.492318716	8.80E-29
peak_614	chr12	33726881	33727421	26420	exon (NM_001002524, exon 6 of 6)	NM_001002524	rab40b	7.687281057	1.19500324	6.492277817	1.99E-25
peak_833	chr6	1652120	1652506	3712	intron (NM_001030251, intron 2 of 10)	NM_001030251	tpra1	6.712083388	0.219835396	6.492247992	2.01E-23
peak_821	chr16	25552525	25553125	9638	intron (NM_001012497, intron 4 of 5)	NM_001012497	slc50a1	6.710614716	0.219835396	6.490779321	1.65E-23
peak_823	chr8	55077310	55077802	-5324	Intergenic	NM_001080987	cyr61	6.709984828	0.219835396	6.490149432	1.73E-23
peak_829	chr4	23070630	23071049	-171330	Intergenic	NM_194401	celf2	6.70956475	0.219835396	6.489729354	1.86E-23
peak_581	chr16	30258806	30259233	-239332	Intergenic	NM_001077756	fam188a	7.392079786	0.902938058	6.489141727	8.90E-26
peak_839	chr4	14016649	14017057	2568	5' UTR (NM_201473, exon 2 of 19)	NM_201473	slc26a5	6.708934402	0.219835396	6.489099007	2.22E-23
peak_562	chr24	33343216	33343693	35740	Intergenic	NM_001018143	trdmt1	7.391286592	0.902938058	6.488348534	5.95E-26
peak_841	chr16	44793152	44793572	5860	intron (NM_001008780, intron 1 of 8)	NM_001008780	fli1b	6.706818975	0.219835396	6.48698358	2.28E-23
peak_842	chr2	28128716	28129403	14301	intron (NM_200331, intron 8 of 8)	NM_200331	zgc:56556	6.706818975	0.219835396	6.48698358	2.28E-23
peak_826	chr15	27684161	27684721	-33280	Intergenic	NM_200251	slc43a2a	6.705134232	0.219835396	6.485298836	1.82E-23
peak_832	chr11	35003279	35003685	22723	Intergenic	NM_214705	fam43a	6.704501946	0.219835396	6.48466655	1.93E-23
peak_635	chr13	11624007	11624456	16095	TTS (NM_001278854)	NM_001278854	trim8a	7.709669781	1.226539182	6.483130599	3.01E-25
peak_610	chr7	52160169	52160802	-117160	Intergenic	NM_212439	per1b	7.191702738	0.709096771	6.482605966	1.87E-25
peak_716	chr22	15906671	15907440	40283	Intergenic	NM_001002203	fam32a	7.191092266	0.709096771	6.481995494	2.27E-24
peak_1319	chr17	33671110	33672112	-29341	Intergenic	NM_205577	pth2	8.500038966	2.019537944	6.480501022	1.53E-20
peak_323	chr6	20171562	20172318	38138	Intergenic	NM_001077314	dr1	10.01939316	3.539011635	6.480381529	1.70E-29
peak_835	chr7	19715160	19715520	100570	Intergenic	NM_001127308	dtx1	6.699421313	0.219835396	6.479585917	2.04E-23
peak_2622	chr19	3875544	3876447	-34691	Intergenic	NM_001128371	illr2	8.634700873	2.155703238	6.478997635	2.96E-16
peak_937	chr14	9412538	9413012	40603	Intergenic	NM_001004009	asb12b	6.696032504	0.219835396	6.476197108	8.39E-23
peak_683	chr15	27572413	27573372	21838	Intergenic	NM_001020672	vtna	7.699533255	1.226539182	6.472994073	9.25E-25
peak_2733	chr20	8150498	8151888	389126	Intergenic	NM_001244756	bloc1s2	9.663790142	3.192156681	6.471633461	5.26E-16
peak_861	chr5	37973861	37974208	-41752	Intergenic	NM_001080643	fam155b	6.690483818	0.219835396	6.470648423	2.95E-23
peak_851	chr23	20957463	20957848	-45	promoter-TSS (NM_001020727)	NM_001020727	arhgef3l	6.689845077	0.219835396	6.470009681	2.57E-23
peak_850	chr10	39842627	39843024	-35713	Intergenic	NM_001110374	serpinh1a	6.689845077	0.219835396	6.470009681	2.57E-23
peak_847	chr7	28732545	28733078	79078	Intergenic	NM_001002471	calca	6.689206053	0.219835396	6.469370657	2.42E-23
peak_725	chr11	19532552	19533173	-14772	Intergenic	NM_001110031	rhol	6.953457616	0.48510786	6.468349756	2.88E-24
peak_1193	chr11	39115541	39116056	-69542	Intergenic	NM_001034175	etnk2	8.18081155	1.713875669	6.466935881	3.83E-21
peak_588	chr11	10516735	10517467	3280	intron (NM_001003883, intron 2 of 23)	NM_001003883	ect2	7.368263002	0.902938058	6.465324944	1.03E-25
peak_1430	chr2	28437634	28438116	-166893	intron (NM_001013520, intron 2 of 15)	NM_001039633	cdh10	8.276943887	1.813729373	6.463214514	5.37E-20
peak_1083	chr23	21109570	21109941	17835	Intergenic	NM_001079964	zgc:154075	6.682800195	0.219835396	6.462964799	8.14E-22
peak_1096	chr11	14397101	14397522	-43588	Intergenic	NM_001017859	palm1a	6.682586176	0.219835396	6.46275078	1.02E-21
peak_685	chr13	5535066	5535726	78690	Intergenic	NM_213234	spred2b	7.170439239	0.709096771	6.461342468	1.00E-24
peak_891	chr18	27582237	27582703	62096	Intergenic	NM_212663	cd82b	6.680204852	0.219835396	6.460369456	4.45E-23
peak_1462	chr7	21096023	21096712	1702	exon (NM_001171587, exon 2 of 5)	NM_001171587	prox1b	6.678942983	0.219835396	6.459107587	7.73E-20
peak_1831	chr2	30208392	30209295	4147	intron (NM_001291707, intron 3 of 25)	NM_001291707	Mar-06	8.944484557	2.485671344	6.458813214	1.61E-18
peak_1025	chr11	1485465	1485806	-1835	exon (NM_001006072, exon 6 of 6)	NM_001008732	srsf6b	6.677832119	0.219835396	6.457996724	3.76E-22
peak_863	chr18	21451985	21452356	13596	intron (NM_199213, intron 3 of 23)	NM_199213	mbtps1	6.677415104	0.219835396	6.457579708	3.07E-23
peak_867	chr14	34668729	34669140	-29330	Intergenic	NM_001166124	apln	6.677200284	0.219835396	6.457364888	3.18E-23
peak_639	chr13	30799428	30800060	3944	TTS (NM_001004626)	NM_001004626	ppifa	7.357026062	0.902938058	6.454088004	3.59E-25
peak_485	chr15	3687594	3688435	61190	Intergenic	NM_001080055	lpar6a	7.339845363	0.887237959	6.452607404	9.86E-27
peak_868	chr2	2410707	2411150	-26320	Intergenic	NM_199744	ss18	6.672238007	0.219835396	6.452402611	3.27E-23
peak_598	chr24	1248402	1249361	82104	exon (NM_001040326, exon 4 of 17)	NM_181497	nrp1a	7.354325706	0.902938058	6.451387648	1.23E-25
peak_934	chr10	29925940	29926459	47023	intron (NM_200927, intron 9 of 19)	NM_200927	picalma	6.670068041	0.219835396	6.450232645	8.15E-23
peak_708	chr1	10922357	10922835	-51975	Intergenic	NM_001040305	brat1	7.78013471	1.330227956	6.449906753	2.00E-24
peak_961	chr6	40418910	40419287	20699	Intergenic	NM_001288657	im:7136940	6.669000739	0.219835396	6.449165344	1.13E-22
peak_3499	chr14	19776437	19777203	79821	intron (NM_130945, intron 10 of 29)	NM_130945	flt4	9.764943332	3.321469345	6.443473987	1.51E-14
peak_1041	chr14	36695132	36695549	30501	Intergenic	NM_001077330	mrpl18	6.661163512	0.219835396	6.441328116	4.70E-22
peak_990	chr8	39305204	39305727	100496	intron (NM_001042766, intron 6 of 10)	NM_001042766	pdlim2	6.660076917	0.219835396	6.440241522	1.99E-22
peak_901	chr1	40555380	40555865	14359	Intergenic	NM_001130615	zgc:194443	6.659872185	0.219835396	6.440036789	5.19E-23
peak_702	chr16	29195024	29195476	-88521	Intergenic	NM_001002108	ino80c	6.924717384	0.48510786	6.439609524	1.74E-24
peak_625	chr14	5316819	5317293	-74969	Intergenic	NM_001007134	lbx2	7.340938592	0.902938058	6.438000534	2.38E-25
peak_982	chr5	65791378	65791768	4855	intron (NM_001083540, intron 3 of 5)	NM_001083540	zswim7	6.65418239	0.219835396	6.434346994	1.76E-22
peak_3014	chr5	47757942	47758739	-48981	intron (NM_001128340, intron 15 of 37)	NM_001114846	f2r	8.664054845	2.229879429	6.434175416	2.17E-15
peak_447	chr5	70329624	70330273	32289	Intergenic	NM_200974	unga	7.597750785	1.165224779	6.432526006	2.30E-27
peak_738	chr13	7562338	7562754	-56132	Intergenic	NM_001037101	hells	6.917449925	0.48510786	6.432342065	3.76E-24
peak_903	chr21	5046121	5046535	-24181	intron (NM_131441_1, intron 1 of 9)	NM_001166255	camsap1a	6.651560519	0.219835396	6.431725123	5.38E-23
peak_1012	chr24	22704927	22705607	6236	intron (NM_131572, intron 2 of 3)	NM_131572	dap	6.651354575	0.219835396	6.431519179	3.20E-22
peak_1066	chr16	29109766	29110400	-3354	Intergenic	NM_001002108	ino80c	8.037798297	1.606593419	6.431204878	6.71E-22
peak_638	chr15	10400505	10400964	23663	intron (NM_001002694, intron 1 of 8)	NM_001002694	prcp	7.497550583	1.066840515	6.430710068	3.55E-25
peak_743	chr14	19672577	19673051	3864	intron (NM_001029962, intron 1 of 11)	NM_001029962	ergic1	6.903517575	0.474639816	6.428877759	4.06E-24
peak_917	chr7	52908619	52909002	-19772	Intergenic	NM_001044906	zgc:136763	6.648495636	0.219835396	6.42866024	6.84E-23
peak_971	chr12	28489619	28490020	41407	intron (NM_001077161, intron 1 of 4)	NM_001077161	znf438	6.648044474	0.219835396	6.428209079	1.38E-22
peak_4184	chr23	35494457	35495874	39456	Intergenic	NM_205724	fbxo25	9.48940336	3.063944003	6.425459357	1.89E-13
peak_907	chr9	15371344	15371720	329339	Intergenic	NM_131520	fn1a	6.643873242	0.219835396	6.424037846	5.74E-23
peak_911	chr4	22726788	22727228	-32126	intron (NM_001130599, intron 5 of 13)	NM_001017591	cpm	6.643653369	0.219835396	6.423817973	6.01E-23
peak_938	chr18	14248365	14248847	15400	intron (NM_001013351, intron 15 of 16)	NM_001099999	si:dkey-238o13.4	6.642553501	0.219835396	6.422718105	8.63E-23
peak_972	chr14	22382367	22382777	-45344	Intergenic	NM_131248	egr1	6.642320587	0.219835396	6.422485191	1.43E-22
peak_1471	chr15	24240974	24241471	20805	Intergenic	NR_030022		8.235210296	1.813729373	6.421480922	8.50E-20
peak_751	chr23	33619961	33620417	-45093	Intergenic	NM_001002424	slc48a1a	7.130284376	0.709096771	6.421187605	4.37E-24
peak_920	chr24	29503755	29504108	20368	Intergenic	NM_001002206	abca4a	6.640558768	0.219835396	6.420723372	6.90E-23
peak_2464	chr8	46194122	46194868	-166608	Intergenic	NM_001130631	ulk1a	9.501902315	3.081484652	6.420417663	1.22E-16
peak_908	chr11	22862354	22862795	118621	intron (NM_001199491, intron 5 of 17)	NM_001199491	foxp4	6.638794795	0.219835396	6.418959399	5.89E-23
peak_1008	chr19	36646669	36647553	-62894	Intergenic	NM_001044971	bmp8a	6.637678334	0.219835396	6.417842938	3.01E-22
peak_3068	chr10	27710067	27711157	6726	intron (NM_001004578, intron 2 of 4)	NM_001004578	ehd1b	9.178342624	2.760518657	6.417823967	2.67E-15
peak_1002	chr12	25333800	25334161	99008	intron (NM_001035261, intron 22 of 37)	NM_001035261	svila	6.637457515	0.219835396	6.417622119	2.58E-22
peak_418	chr2	17526214	17526722	73313	intron (NM_001083576, intron 4 of 32)	NM_001083576	ptprfb	7.768052596	1.353267399	6.414785197	9.10E-28
peak_500	chr20	37908722	37909189	17661	intron (NM_001025523, intron 2 of 5)	NM_001025523	vash2	8.115419732	1.701283593	6.414136139	1.24E-26
peak_1124	chr4	27586250	27586680	77508	Intergenic	NM_001020599	trmu	6.633046941	0.219835396	6.413211545	1.63E-21
peak_1056	chr13	5570845	5571211	43058	intron (NM_213234, intron 3 of 7)	NM_213234	spred2b	6.632799562	0.219835396	6.412964166	6.08E-22
peak_732	chr23	40217439	40217850	-130555	Intergenic	NM_001082482	ghrhrl	7.102650974	0.691124799	6.411526175	3.17E-24
peak_1074	chr11	26673818	26674265	59139	Intergenic	NM_001003540	otud5b	6.628374702	0.219835396	6.408539307	7.20E-22
peak_924	chr7	41094564	41094897	36456	Intergenic	NM_001128698	ccdc96	6.628361738	0.219835396	6.408526342	7.21E-23
peak_765	chr24	10070381	10070870	-33228	Intergenic	NM_213142	otulina	6.889471003	0.48510786	6.404363143	5.79E-24
peak_4135	chr5	7760881	7761406	-59019	Intergenic	NM_001014306	lifra	8.835937416	2.431948405	6.403989011	1.59E-13
peak_935	chr19	4092354	4092811	-148651	Intergenic	NM_131519	edn1	6.623005254	0.219835396	6.403169858	8.30E-23
peak_678	chr9	45112244	45112642	241250	Intergenic	NM_200921	ube2e3	7.092670523	0.691124799	6.401545724	8.62E-25
peak_1038	chr20	3110872	3111310	8722	intron (NM_001161750, intron 1 of 29)	NM_001161750	map3k5	6.6207599	0.219835396	6.400924504	4.47E-22
peak_939	chr8	26482469	26483001	-24261	Intergenic	NM_213456	stk38a	6.61673296	0.219835396	6.396897565	8.67E-23
peak_956	chr1	1167696	1168187	-66912	Intergenic	NM_131603	runx1	6.614939595	0.219835396	6.3951042	1.08E-22
peak_637	chr14	34640574	34641103	-52084	Intergenic	NM_201032	xpnpep2	7.272885509	0.87932337	6.393562139	3.40E-25
peak_744	chr22	13377036	13377577	-73283	Intergenic	NM_131264	ahr2	6.877894867	0.48510786	6.392787007	4.09E-24
peak_963	chr19	179651	180319	-1760	intron (NM_001002213, intron 6 of 9)	NM_001123048	rnf139	6.612232251	0.219835396	6.392396855	1.17E-22

peak_693	chr1	39255900	39256408	14571	intron (NM_205734, intron 1 of 6)	NM_205734	vegfc	7.618306856	1.226539182	6.391767674	1.37E-24
peak_1103	chr21	583142	583504	8621	intron (NM_200564, intron 1 of 9)	NM_200564	rad23b	6.611121277	0.219835396	6.391285881	1.11E-21
peak_964	chr7	34265336	34265749	33293	Intergenic	NM_001045848	zgc:153225	6.606138542	0.219835396	6.386303147	1.19E-22
peak_958	chr3	22603487	22603877	-24559	Intergenic	NM_207640	ifnphi1	6.605687106	0.219835396	6.385851711	1.10E-22
peak_2762	chr6	15719695	15720212	57478	intron (NM_001098731, intron 9 of 17)	NM_001098731	iqca1	8.539598828	2.155703238	6.383895589	6.23E-16
peak_675	chr9	29363744	29364139	-55642	Intergenic	NM_001017818	creb1b	7.457231083	1.07379276	6.383438323	7.99E-25
peak_1009	chr1	44457606	44457919	-26430	Intergenic	NM_001244778	wu:fi12a09	6.601617815	0.219835396	6.381782419	3.01E-22
peak_1354	chr20	26842317	26843151	9423	intron (NM_001102475, intron 1 of 10)	NM_200489	gmds	8.095401571	1.713875669	6.381525902	2.19E-20
peak_973	chr5	41210020	41210413	40961	intron (NM_001115124, intron 3 of 5)	NM_001115124	si:ch211-57h10.1	6.600698752	0.219835396	6.380863356	1.43E-22
peak_1104	chr4	10221696	10222080	5748	intron (NM_001045042, intron 3 of 8)	NM_001045042	prmt8b	6.59980555	0.219835396	6.379970154	1.14E-21
peak_1107	chr10	32799255	32799628	35392	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	6.598418383	0.219835396	6.378582987	1.16E-21
peak_977	chr10	43611263	43611644	51561	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	6.59501096	0.219835396	6.375175564	1.64E-22
peak_969	chr4	16331328	16331813	-16580	Intergenic	NM_200064	bcat1	6.592734865	0.219835396	6.372899469	1.35E-22
peak_697	chr1	19559632	19560045	47489	intron (NM_131010, intron 6 of 21)	NM_131010	tll1	7.063642707	0.691124799	6.372517908	1.43E-24
peak_975	chr4	24971607	24972084	24159	intron (NM_001099980, intron 5 of 20)	NM_001099980	fgd6	6.592051336	0.219835396	6.37221594	1.53E-22
peak_577	chr14	4921525	4921943	-224097	Intergenic	NM_001017822_1	zgc:110204	7.259004229	0.887237959	6.37176627	8.06E-26
peak_556	chr3	36841084	36841586	-65	promoter-TSS (NM_001114432)	NM_001114432	ramp2	7.756891189	1.387082901	6.369808288	5.39E-26
peak_974	chr9	17980226	17980641	25427	Intergenic	NM_001002190	rgcc	6.587930013	0.219835396	6.368094617	1.44E-22
peak_652	chr21	7704652	7705243	4005	exon (NM_001079982, exon 5 of 14)	NM_001079982	aggf1	8.072024247	1.704947384	6.367076863	4.85E-25
peak_1075	chr23	19287875	19288335	-18031	Intergenic	NM_131807	bcl2l1	6.585858251	0.219835396	6.366022856	7.22E-22
peak_1221	chr3	52200840	52201297	17444	exon (NM_213256, exon 2 of 15)	NM_213256	ttyh2l	8.846312062	2.48044886	6.365863202	5.62E-21
peak_1000	chr24	27237151	27237481	8165	3' UTR (NM_131772, exon 3 of 3)	NM_131772	cldn11b	6.585184814	0.219835396	6.365349418	2.43E-22
peak_4109	chr8	17651697	17653010	-10548	Intergenic	NM_001083560	zgc:162295	10.00711815	3.642901995	6.364216158	1.45E-13
peak_1055	chr7	23083235	23083601	-2916	intron (NM_001115127, intron 2 of 5)	NM_001089530	ufsp1	6.583581033	0.219835396	6.363745637	6.03E-22
peak_1054	chr24	7395961	7396407	39133	Intergenic	NM_001089556	actr3b	6.583581033	0.219835396	6.363745637	6.03E-22
peak_2169	chr3	63251040	63251919	-67027	Intergenic	NM_131644	sox9b	8.354728731	1.994825282	6.359903449	1.86E-17
peak_4197	chr13	13627968	13628862	-3690	Intergenic	NM_001159828	slc4a11	8.789678393	2.431948405	6.357729987	1.98E-13
peak_992	chr16	30972140	30973124	-47785	Intergenic	NM_001102645	zgc:171704	8.856799569	2.50072323	6.356076339	2.06E-22
peak_981	chr13	33740202	33740599	-90776	Intergenic	NM_213639	cfl1	6.575738884	0.219835396	6.355903488	1.75E-22
peak_983	chr16	29741819	29742191	29326	exon (NM_212705, exon 14 of 16)	NM_212705	tex10	6.575508377	0.219835396	6.355672981	1.77E-22
peak_1024	chr3	32990897	32991302	-8613	Intergenic	NM_001110453	zgc:162613	6.572970367	0.219835396	6.353134971	3.73E-22
peak_6055	chr7	29856150	29857653	28776	intron (NM_001002327, intron 2 of 19)	NM_001002327	st5	9.1183036	2.766967388	6.351336212	2.72E-11
peak_481	chr7	52139619	52140386	-137643	Intergenic	NM_212439	per1b	7.698991974	1.348590594	6.35040138	8.45E-27
peak_7319	chr8	49951057	49951978	8268	intron (NM_001257149, intron 1 of 10)	NM_001257149	kank3	9.347105671	2.996787327	6.350318344	3.18E-10
peak_994	chr7	55548401	55548774	20874	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	6.569025676	0.219835396	6.34919028	2.10E-22
peak_1136	chr8	44634812	44635401	29779	Intergenic	NM_001123319	kazald3	6.569012167	0.219835396	6.349176771	1.84E-21
peak_996	chr25	27721150	27721658	10553	exon (NM_001114885, exon 10 of 10)	NM_001114885	sema7a	6.568794094	0.219835396	6.348958698	2.20E-22
peak_799	chr20	22390827	22391500	54255	Intergenic	NM_131053	kita	6.902977254	0.554393687	6.348583567	1.10E-23
peak_818	chr10	29158785	29159751	-96618	Intergenic	NM_001007351	btg3	7.422311606	1.07379276	6.348518847	1.54E-23
peak_813	chr11	2874942	2875468	-109927	Intergenic	NM_201028	cpne5	7.677516236	1.330227956	6.34728828	1.51E-23
peak_788	chr17	39801540	39802131	-63304	Intergenic	NM_001288652	eprs	7.675796903	1.330227956	6.345568947	9.30E-24
peak_1001	chr7	52353878	52354326	15604	Intergenic	NM_205596	ankrd46b	6.56530235	0.219835396	6.345466954	2.50E-22
peak_665	chr11	19075573	19076011	49849	Intergenic	NM_131245	id1	7.396139292	1.054120914	6.342018378	6.16E-25
peak_1495	chr18	14377886	14378329	44825	intron (NM_001044926, intron 6 of 13)	NM_001044926	mtss1l	6.560898102	0.219835396	6.341062706	1.09E-19
peak_1068	chr7	34336211	34336792	21348	intron (NM_131518, intron 2 of 7)	NM_131518	cd81	6.560418694	0.219835396	6.340583298	6.90E-22
peak_682	chr16	27965990	27966452	-34161	Intergenic	NM_001128252	zgc:172162	7.311540809	0.975101991	6.336438818	9.22E-25
peak_3273	chr23	14807965	14808427	73256	Intergenic	NM_001006104	gss	8.564089763	2.229879429	6.334210333	6.09E-15
peak_1220	chr7	30572100	30572512	56408	intron (NM_001007405, intron 3 of 5)	NM_001123064	dapk2	6.551994387	0.219835396	6.332158991	5.40E-21
peak_1063	chr7	40805636	40805966	10208	Intergenic	NM_001017587	tnni2b.1	6.548931394	0.219835396	6.329095998	6.52E-22
peak_669	chr18	37330754	37331331	8444	3' UTR (NM_200630, exon 3 of 3)	NM_200630	arpp19a	7.303892163	0.975101991	6.328790172	7.00E-25
peak_1042	chr13	51974247	51974582	-24798	Intergenic	NM_144764	gpib	6.548447992	0.219835396	6.328612596	4.82E-22
peak_1125	chr2	19147716	19148025	-70145	Intergenic	NM_213080	cdc20	6.547521838	0.219835396	6.327686442	1.65E-21
peak_2687	chr25	38477425	38478775	22069	Intergenic	NM_001040635	fanca	8.404430229	2.077505579	6.32692465	4.00E-16
peak_1302	chr21	11466814	11467233	-34451	Intergenic	NM_201468	setb	6.545169512	0.219835396	6.325334116	1.36E-20
peak_1044	chr6	46066781	46067293	-130097	Intergenic	NM_001110023	zgc:162324	6.543742525	0.219835396	6.32390713	4.86E-22
peak_1080	chr8	31081556	31082085	-66253	intron (NM_001123258, intron 12 of 14)	NR_030033		6.543257381	0.219835396	6.323421985	7.97E-22
peak_785	chr1	30371058	30371440	202556	Intergenic	NM_001017795	eef1a1b	7.032172261	0.709096771	6.32307549	8.82E-24
peak_742	chr8	5825622	5826348	39688	Intergenic	NM_200346	diabloa	8.725429814	2.404637399	6.320792416	4.05E-24
peak_1613	chr14	1385700	1386319	-31547	Intergenic	NM_001289886	trpc7b	8.133649931	1.813729373	6.319920557	2.84E-19
peak_1015	chr3	16500211	16500649	38464	Intergenic	NM_001077729	zgc:153952	6.53971699	0.219835396	6.319881595	3.30E-22
peak_1018	chr16	21974081	21974462	3741	intron (NM_200816, intron 1 of 10)	NM_200816	hdac9b	6.539480655	0.219835396	6.319645259	3.37E-22
peak_1172	chr16	21005491	21005895	18790	intron (NM_001098779, intron 5 of 9)	NM_001098779	rapgef5b	7.924813142	1.606593419	6.318219723	2.83E-21
peak_1065	chr23	29723917	29724310	24242	intron (NM_194382, intron 2 of 46)	NM_194382	kif1b	6.536627792	0.219835396	6.316792397	6.60E-22
peak_1149	chr8	42185370	42185856	-5555	intron (NM_001030068, intron 7 of 7)	NM_213167_1	kdm2ba	6.535457021	0.219835396	6.315621625	2.08E-21
peak_989	chr7	25959714	25960398	35904	Intergenic	NM_001002500	otub1b	7.805965812	1.490687863	6.315277949	1.95E-22
peak_1323	chr20	31316772	31317164	3461	intron (NM_001025488, intron 2 of 8)	NM_001025488	si:dkey-185l3.3	6.534718133	0.219835396	6.314882738	1.59E-20
peak_1201	chr18	12297866	12298306	8549	intron (NM_001082852, intron 5 of 11)	NM_001082852	parp12a	6.533294615	0.219835396	6.313459219	4.38E-21
peak_4007	chr14	49746546	49747154	21656	intron (NM_131314, intron 1 of 8)	NM_131314	ldb2a	8.693838773	2.382410128	6.311428645	1.07E-13
peak_874	chr13	33709929	33710318	-87433	Intergenic	NM_001114925	btbd6a	6.796387045	0.48510786	6.311279185	3.45E-23
peak_1037	chr10	28648026	28648415	62577	Intergenic	NM_001020542	ints2	6.52687134	0.219835396	6.307035945	4.47E-22
peak_1051	chr2	57187907	57188567	-1786	Intergenic	NM_001002555_1	rab11bb	6.523515519	0.219835396	6.303680123	5.71E-22
peak_6545	chr20	26094999	26095895	180	5' UTR (NM_001082917, exon 1 of 2)	NM_001082917	myct1	10.12519257	3.822397671	6.302794895	7.31E-11
peak_1271	chr8	31376091	31376456	27061	intron (NM_001123253, intron 1 of 22)	NM_001123253	si:dkey-91m11.5	6.521827697	0.219835396	6.301992301	1.03E-20
peak_899	chr17	25095090	25095483	21110	Intergenic	NM_201296	pabpc4	7.010610291	0.709096771	6.301513519	5.12E-23
peak_745	chr3	37031122	37031585	46016	Intergenic	NM_200908	tubg1	7.374659386	1.07379276	6.300866626	4.17E-24
peak_757	chr8	12066865	12067474	-1118	Intergenic	NR_030071		6.990837365	0.691124799	6.299712566	4.71E-24
peak_1123	chr22	11172479	11172886	-9384	Intergenic	NM_001123229	insrb	6.518008373	0.219835396	6.298172978	1.62E-21
peak_892	chr2	37883290	37884025	19581	intron (NM_194414, intron 9 of 9)	NM_194414	mmp14b	7.659546001	1.364650599	6.294895402	4.63E-23
peak_1048	chr24	17943097	17943628	5872	intron (NM_213495, intron 1 of 21)	NM_213495	cul1b	6.514631848	0.219835396	6.294796453	5.53E-22
peak_796	chr12	33305911	33306453	2566	exon (NM_212770, exon 2 of 9)	NM_212770	cpn1	8.098797269	1.805399871	6.293397398	1.10E-23
peak_1116	chr16	18536166	18536577	-42080	Intergenic	NM_001003589	ccdc12	6.512225234	0.219835396	6.292389838	1.45E-21
peak_1061	chr18	29443449	29443788	91409	Intergenic	NM_131844	maf	6.508352192	0.219835396	6.288516796	6.31E-22
peak_1086	chr21	29173839	29174871	-14786	intron (NM_001077287, intron 10 of 18)	NM_001288663	LOC100004941	8.620105822	2.332063934	6.288041888	8.72E-22
peak_1091	chr12	28155727	28156099	24465	Intergenic	NM_001045434	kctd2	6.50567902	0.219835396	6.285843625	9.69E-22
peak_2274	chr22	41118389	41118926	-5043	Intergenic	NM_001045022	tm4sf18	8.278364961	1.994825282	6.283539679	3.82E-17
peak_1108	chr10	22675744	22676516	30124	intron (NM_001166336, intron 5 of 7)	NM_001111177	zgc:172339	7.772300189	1.490687863	6.281612326	1.21E-21
peak_1111	chr17	39922324	39922735	-16477	Intergenic	NR_048925_9		6.499846146	0.219835396	6.28001075	1.26E-21
peak_1489	chr18	33488009	33488375	-29519	Intergenic	NM_001082996	ccdc19	6.495237144	0.219835396	6.275401748	1.03E-19
peak_1956	chr10	10878308	10878951	-48797	Intergenic	NM_181495	nrarpa	8.182481854	1.907116997	6.275364857	4.66E-18
peak_1152	chr19	22943764	22944126	19240	intron (NM_001100032, intron 5 of 31)	NM_001100032	pleca	6.493515893	0.219835396	6.273680497	2.20E-21
peak_1199	chr2	22314917	22315376	5645	intron (NM_001077606, intron 5 of 9)	NM_001077606	amotl2b	6.492539538	0.219835396	6.272704142	4.27E-21
peak_622	chr15	30082211	30082622	31610	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	7.27786919	1.00546592	6.27240327	2.22E-25
peak_877	chr8	11992035	11992430	3353	intron (NM_001002366, intron 1 of 7)	NM_001002366	tjp2b	6.757399325	0.48510786	6.272291466	3.63E-23
peak_1364	chr22	22562647	22563073	32246	exon (NM_001045015, exon 16 of 33)	NM_001045015	ap3d1	6.49128965	0.219835396	6.271454255	2.60E-20
peak_592	chr11	27033329	27033876	-59448	Intergenic	NM_001080082	zgc:158299	7.391024645	1.120232971	6.270791674	1.13E-25
peak_1400	chr16	28039579	28039956	29288	3' UTR (NM_001128252, exon 11 of 11)	NM_001083032	irge4	6.490095755	0.219835396	6.27026036	3.71E-20
peak_1120	chr8	13872807	13873542	8656	intron (NM_200565, intron 2 of 4)	NM_200565	ccdc124	6.487374214	0.219835396	6.267538818	1.57E-21
peak_1190	chr2	21516998	21517403	86549	intron (NM_001080042, intron 3 of 3)	NM_001080042	zgc:158346	6.486653188	0.219835396	6.266817792	3.68E-21
peak_1203	chr17	14995461	14995814	-2815	exon (NM_001002726, exon 25 of 26)	NR_120388		6.486407997	0.219835396	6.266572602	4.39E-21
peak_1090	chr4	12573515	12573974	726	intron (NM_212864, intron 2 of 3)	NM_212864	ifng1-2	6.485903181	0.219835396	6.266067785	9.61E-22
peak_1467	chr14	33453425	33454515	153037	Intergenic	NM_182868	f9a	9.098141501	2.832919741	6.26522176	7.98E-20
peak_1371	chr4	29614018	29614329	-6370	Intergenic	NM_001020513	gstp2	6.484199406	0.219835396	6.26436401	2.93E-20
peak_1043	chr5	60237684	60238185	81711	Intergenic	NM_001076705	ccdc84	7.75403637	1.490687863	6.263348507	4.86E-22
peak_1965	chr13	22494497	22495372	37506	intron (NM_001201566, intron 8 of 19)	NM_001201566	usp54a	9.153488621	2.891604298	6.261884322	4.85E-18
peak_77	chr12	43381971	43382853	-114565	Intergenic	NM_001020516	dpysl4	9.713119083	3.451734237	6.261384846	1.75E-38

peak_803	chr5	31501280	31501756	31622	Intergenic	NM_001004667	f11r	6.967776126	0.709096771	6.258679354	1.21E-23
peak_1115	chr13	26024234	26024622	19284	intron (NM_001001841, intron 6 of 9)	NM_001001841	rel	6.476290327	0.219835396	6.256454931	1.40E-21
peak_2367	chr25	14699698	14700384	-5862	Intergenic	NM_001099422	exoc3l1	8.80182208	2.54544688	6.256375199	6.77E-17
peak_1150	chr14	22717319	22718004	16980	intron (NM_200543, intron 1 of 10)	NM_200543	stx3a	7.823776279	1.567723154	6.256053125	2.08E-21
peak_623	chr18	37570528	37571254	26868	Intergenic	NM_194398	bcl2l10	7.306410725	1.052834703	6.253576022	2.22E-25
peak_2789	chr19	757949	758735	9254	exon (NM_199887, exon 13 of 14)	NM_001045060	zgc:162356	9.808248221	3.55469018	6.253558041	7.21E-16
peak_3006	chr24	32016370	32017053	-94957	Intergenic	NR_048923		8.405132459	2.155703238	6.249429221	2.11E-15
peak_926	chr10	43703905	43704377	-19471	Intergenic	NM_001002201	dbnla	7.444368856	1.19500324	6.249365616	7.28E-23
peak_1169	chr9	39726059	39726443	-10929	intron (NM_001128277, intron 8 of 12)	NM_212968	heg	6.46884865	0.219835396	6.249013254	2.61E-21
peak_1195	chr7	26439457	26439781	-51766	intron (NM_001076730, intron 20 of 21)	NM_212666	cyp26b1	6.468103815	0.219835396	6.24826842	4.07E-21
peak_692	chr10	45481375	45482042	-14903	Intergenic	NM_001006044	cldn5b	8.458474353	2.211084557	6.247389796	1.21E-24
peak_1118	chr9	42376590	42376947	84758	Intergenic	NM_200091	stat1b	6.464110329	0.219835396	6.244274933	1.49E-21
peak_2375	chr3	25895693	25896155	18769	intron (NM_130998, intron 1 of 5)	NM_130998	ntn1b	8.237616045	1.994825282	6.242790763	7.03E-17
peak_1197	chr19	6472028	6472378	-149628	Intergenic	NM_001177451	zgc:174904	6.46186731	0.219835396	6.242031915	4.22E-21
peak_1223	chr21	27252560	27252925	-283460	intron (NM_001079970, intron 18 of 23)	NR_023323		6.461368388	0.219835396	6.241532992	5.89E-21
peak_1876	chr17	24736668	24737417	10320	Intergenic	NM_001128717	zgc:193593	8.104884129	1.863651775	6.241232354	2.26E-18
peak_1119	chr1	47938072	47938453	-4979	Intergenic	NM_131809	cx44.1	6.45810659	0.219835396	6.238271195	1.51E-21
peak_768	chr9	27643900	27644789	507185	Intergenic	NM_131023	efnb2a	7.311133612	1.07379276	6.237340852	5.95E-24
peak_1191	chr20	27224313	27224656	-42382	Intergenic	NM_001025551	btbd7	6.456340437	0.219835396	6.236505041	3.73E-21
peak_1114	chr10	28175055	28175850	443839	Intergenic	NM_152948	cxadr	7.726926297	1.490687863	6.236238434	1.36E-21
peak_3405	chr15	23098780	23099446	16015	3' UTR (NM_001045472, exon 7 of 7)	NM_001045472	bbc3	8.465914673	2.229879429	6.236035243	1.07E-14
peak_843	chr17	17173795	17174244	104033	intron (NM_001080009, intron 7 of 23)	NM_001080009	nrxn3a	7.138733969	0.902938058	6.23579591	2.29E-23
peak_905	chr3	43520966	43521409	-7800	Intergenic	NM_201585	micall2a	7.565889407	1.330227956	6.235661451	5.65E-23
peak_1158	chr20	35276424	35276808	-3428	exon (NM_001017680, exon 6 of 9)	NM_200108_1	znf395	6.455338587	0.219835396	6.235503192	2.33E-21
peak_1731	chr22	1002273	1002807	-27020	Intergenic	NM_199966	camk1ga	8.080266664	1.846475529	6.233791134	7.78E-19
peak_1095	chr21	32892489	32893426	105510	Intergenic	NM_199763	rnf145b	8.461239991	2.228757888	6.232482103	1.01E-21
peak_1288	chr19	15467339	15467752	3051	exon (NM_213042, exon 2 of 2)	NM_213042	rab42a	6.451560788	0.219835396	6.231725392	1.22E-20
peak_7743	chr18	35365894	35367047	-192506	Intergenic	NM_001044953	qpctla	9.846170144	3.615201442	6.230968702	6.43E-10
peak_1184	chr14	33385251	33385771	84578	Intergenic	NM_182868	f9a	6.449815944	0.219835396	6.229980548	3.44E-21
peak_1163	chr19	4965430	4965800	-32915	Intergenic	NM_001100068	rragcb	6.448794869	0.219835396	6.228959473	2.48E-21
peak_993	chr5	26408950	26409405	10044	intron (NM_001128366, intron 1 of 2)	NM_001128366	rasl10a	6.937550927	0.709096771	6.228454156	2.08E-22
peak_1295	chr12	12720811	12721151	-35210	Intergenic	NM_001114932_1	wapalb	6.447802457	0.219835396	6.227967061	1.32E-20
peak_1137	chr20	16964054	16964445	-17188	Intergenic	NM_001002589	zgc:92716	6.447787763	0.219835396	6.227952368	1.85E-21
peak_1134	chr11	37265690	37266163	15680	Intergenic	NM_001004590	cyb561d1	7.806757293	1.579327125	6.227430168	1.80E-21
peak_1419	chr3	46373026	46373364	44818	Intergenic	NM_001017690	snrnp25	6.446290495	0.219835396	6.226455099	4.93E-20
peak_1130	chr13	6794201	6794589	51208	Intergenic	NM_001144794	exoc3l4	6.445771442	0.219835396	6.225936046	1.72E-21
peak_1067	chr17	29608806	29609665	230538	Intergenic	NM_001045177	ptpreb	7.715969895	1.490687863	6.225282032	6.89E-22
peak_1675	chr5	41316453	41316804	-12449	intron (NM_199829, intron 14 of 14)	NM_001105279	prkg2	6.444019578	0.219835396	6.224184182	5.17E-19
peak_954	chr23	19023267	19023817	-47259	Intergenic	NM_001007446	nsfl1c	7.588615497	1.364650599	6.223964898	1.05E-22
peak_633	chr2	52697089	52697680	-10370	Intergenic	NM_001110836	si:ch211-137c4.4	7.576999297	1.353267399	6.223731897	2.83E-25
peak_1189	chr2	33042850	33043241	-1367	Intergenic	NM_131723	klf17	6.443499706	0.219835396	6.223664311	3.62E-21
peak_1351	chr6	12613660	12614302	-114019	Intergenic	NM_198064	slc15a1b	7.830189316	1.606593419	6.223595897	2.18E-20
peak_859	chr20	6022108	6022453	65449	intron (NM_001089536, intron 21 of 21)	NM_001089536	cep128	7.297337697	1.07379276	6.223544937	2.93E-23
peak_1213	chr20	41882802	41883189	75230	Intergenic	NM_001201561	LOC555548	6.44299439	0.219835396	6.223158994	4.76E-21
peak_1141	chr1	35193236	35193762	-9953	Intergenic	NM_213357	gab1	6.44095659	0.219835396	6.221121194	1.93E-21
peak_1340	chr23	28188404	28188805	81661	Intergenic	NM_194371	sp5l	6.438915908	0.219835396	6.219080512	1.88E-20
peak_3449	chr12	12118989	12119529	-67562	Intergenic	NM_131406	raraa	8.448106232	2.229879429	6.218226802	1.24E-14
peak_1200	chr11	35017701	35018064	8323	Intergenic	NM_214705	fam43a	6.436633343	0.219835396	6.216797947	4.31E-21
peak_1380	chr25	24665728	24666057	104317	Intergenic	NM_001001815	igf2b	6.434107751	0.219835396	6.214272355	3.18E-20
peak_10535	chr19	806596	808102	12431	Intergenic	NM_001045195	nrm	9.708697951	3.494858748	6.213839204	2.83E-08
peak_831	chr6	19767235	19768186	56380	Intergenic	NM_001037104	ppp1r27	9.398525058	3.185507841	6.213017217	1.92E-23
peak_1154	chr24	29331496	29331845	10299	Intergenic	NM_001003775	nrros	6.432566512	0.219835396	6.212731116	2.24E-21
peak_1579	chr17	20485057	20485516	11483	exon (NM_200410, exon 6 of 6)	NM_200410	slc16a9a	6.432072205	0.219835396	6.21223681	2.27E-19
peak_1314	chr22	32096579	32097090	179450	Intergenic	NM_207637	adra2a	7.702187348	1.490687863	6.211499485	1.48E-20
peak_1181	chr22	19329412	19329750	-7494	Intergenic	NM_001040095	fgf22	6.429238866	0.219835396	6.20940347	3.32E-21
peak_1167	chr20	22420837	22421295	24352	intron (NM_131053, intron 11 of 19)	NM_131053	kita	6.428218011	0.219835396	6.208382616	2.51E-21
peak_736	chr5	65631474	65631871	-40094	Intergenic	NM_001100016	si:ch211-253h3.1	7.103290704	0.895109366	6.208181338	3.50E-24
peak_1157	chr19	19342781	19343122	-2518	Intergenic	NM_001103116	ube2e1	6.427451896	0.219835396	6.207616501	2.29E-21
peak_1424	chr10	33411510	33411900	37390	intron (NM_201069, intron 6 of 14)	NM_201069	uvrag	6.427211339	0.219835396	6.207375943	5.08E-20
peak_1544	chr13	9663139	9663567	-129601	Intergenic	NM_001030064	rnaset2	6.425933362	0.219835396	6.206097966	1.75E-19
peak_1282	chr23	20924651	20925203	-4135	Intergenic	NM_213062	uba1	6.424880308	0.219835396	6.205044913	1.14E-20
peak_576	chr22	23161785	23162279	-50725	Intergenic	NM_001199191	cfhl3	7.827561546	1.625584991	6.201976555	7.63E-26
peak_5725	chr22	834701	835577	11247	intron (NM_001007346, intron 11 of 12)	NM_001002135	dram2b	9.905478179	3.704069588	6.201408591	1.27E-11
peak_1168	chr10	16564009	16564371	20615	intron (NM_001077386, intron 8 of 8)	NM_001089348	chsy3	6.420266825	0.219835396	6.20043143	2.56E-21
peak_3188	chr12	38496869	38497593	-12596	exon (NM_001166259, exon 7 of 7)	NM_001080568	hs3st3b1b	8.355613313	2.155703238	6.199910075	4.16E-15
peak_848	chr6	33512669	33513049	63447	Intergenic	NM_001287082	tmem69	6.890768508	0.691124799	6.199643709	2.50E-23
peak_968	chr14	8150125	8150480	-99627	Intergenic	NM_001002626	zgc:92242	6.684284969	0.48510786	6.19917711	1.34E-22
peak_1667	chr21	10598427	10598931	92072	intron (NM_001002562, intron 1 of 12)	NM_001002562	celf4	7.912981657	1.713875669	6.199105988	4.72E-19
peak_1255	chr12	49373783	49374104	48061	intron (NM_198811, intron 7 of 18)	NM_198811	pald1a	6.417682387	0.219835396	6.197846991	8.57E-21
peak_1273	chr5	38343465	38343767	12726	Intergenic	NM_001017863	ppp1r14aa	6.416410954	0.219835396	6.196575559	1.05E-20
peak_2257	chr10	7379100	7379816	-45666	Intergenic	NM_001002346	hvcn1	8.146381234	1.950187435	6.196193799	3.22E-17
peak_1336	chr22	20559957	20560332	46535	TTS (NM_001045165)	NM_001045165	si:dkey-110c1.7	6.415638542	0.219835396	6.195803146	1.81E-20
peak_1016	chr18	39104682	39105384	-54401	Intergenic	NM_198146	akt2	7.26687728	1.07379276	6.19308452	3.30E-22
peak_986	chr15	24990779	24991212	20862	exon (NM_001037370, exon 15 of 15)	NM_001037370	tsr1	6.901322886	0.709096771	6.192226114	1.86E-22
peak_1084	chr18	24129035	24129509	131308	Intergenic	NR_120393		7.556796644	1.364650599	6.192146045	8.26E-22
peak_2015	chr13	2798295	2799016	45820	intron (NM_001161598, intron 6 of 6)	NM_001161598	si:ch211-239i4.3	8.933041499	2.742594073	6.190447426	7.03E-18
peak_2205	chr2	15051161	15051910	93762	Intergenic	NM_001006023	tecrl2	9.037168258	2.847141955	6.190026303	2.35E-17
peak_1188	chr6	52946849	52947197	51462	Intergenic	NM_001136247	or136-1	6.408637962	0.219835396	6.188802566	3.61E-21
peak_898	chr7	50641556	50642089	314334	Intergenic	NM_131433	igf2a	7.261003996	1.07379276	6.187211236	5.03E-23
peak_1194	chr12	45990582	45990979	18128	exon (NM_212945, exon 8 of 9)	NM_212945	mrpl38	6.405788433	0.219835396	6.185953037	3.95E-21
peak_1198	chr21	11525381	11525738	-3615	Intergenic	NM_199760	snrpd3l	6.405529105	0.219835396	6.185693709	4.26E-21
peak_1217	chr7	19829309	19829684	-13586	Intergenic	NM_001127308	dtx1	6.40501031	0.219835396	6.185174915	5.12E-21
peak_914	chr21	29973937	29974332	14957	intron (NM_001076710, intron 1 of 14)	NM_001076710	zgc:152891	6.893555742	0.709096771	6.18445897	6.47E-23
peak_672	chr1	42111171	42111673	88864	Intergenic	NM_001007352	rnf24	7.391671787	1.207700457	6.183971329	7.62E-25
peak_8289	chr22	12574932	12576349	14663	3' UTR (NM_199522, exon 5 of 5)	NM_199522	rnd3a	9.26219859	3.079358412	6.182840178	1.56E-09
peak_1374	chr25	21755624	21756248	195	intron (NM_001204464, intron 1 of 8)	NM_001204464	prr5	9.076965779	2.894288534	6.182677245	3.07E-20
peak_1358	chr9	47414897	47415365	201400	Intergenic	NM_131069	cx43.4	6.402413534	0.219835396	6.182578139	2.31E-20
peak_1196	chr22	15961597	15961914	-82626	Intergenic	NM_131856	klf2a	6.402138434	0.219835396	6.182303038	4.16E-21
peak_3450	chr6	54653398	54654396	122219	Intergenic	NM_001109724	tead3b	9.168575053	2.986445574	6.182129479	1.24E-14
peak_1592	chr4	13554662	13555298	-2766	Intergenic	NM_001161600	plxnb2a	6.401603247	0.219835396	6.181767851	2.42E-19
peak_879	chr19	389292	389840	46	promoter-TSS (NM_001045301)	NM_001045301	tnfaip8l2a	7.083116538	0.902938058	6.180178479	3.66E-23
peak_931	chr24	34491208	34491583	18504	intron (NM_001130617, intron 1 of 17)	NM_001130617	zgc:194780	6.825823996	0.646338197	6.179485799	7.81E-23
peak_7210	chr19	756426	757071	7660	exon (NM_199887, exon 14 of 14)	NM_001045060	zgc:162356	9.078389938	2.899905719	6.178484219	2.60E-10
peak_836	chr20	43093524	43094127	17416	intron (NM_001030124, intron 4 of 17)	NM_001030124	snx9b	7.079850952	0.902938058	6.176912894	2.11E-23
peak_809	chr7	53009433	53009831	85188	Intergenic	NM_001005589	rps4x	7.001535036	0.825787209	6.175747827	1.38E-23
peak_970	chr23	33684465	33685032	87081	intron (NM_001004288, intron 21 of 29)	NM_001004288	itga5	7.505686078	1.330227956	6.175458122	1.37E-22
peak_1281	chr13	21360194	21360739	430120	Intergenic	NM_001045412	tspan14	8.395678584	2.220512599	6.175165985	1.14E-20
peak_1345	chr10	19018020	19018529	-29231	intron (NM_001020517, intron 11 of 13)	NM_001004006	tmem230a	7.74132782	1.567723154	6.173604666	2.04E-20
peak_1205	chr2	37092688	37092977	29579	intron (NM_131855, intron 16 of 17)	NM_131855	prkci	6.392995724	0.219835396	6.173160329	4.41E-21
peak_1406	chr12	6261865	6262362	-105831	Intergenic	NM_001002863	noc3l	6.392718822	0.219835396	6.172883426	3.96E-20
peak_5041	chr19	6155877	6156650	-70669	Intergenic	NM_001002165	wipf2b	9.07688198	2.905309858	6.171572122	2.48E-12
peak_1448	chr6	31006105	31006543	47392	Intergenic	NM_213299	ak4	7.84482212	1.673255946	6.171566174	6.67E-20
peak_1303	chr9	31505031	31505493	-3640	Intergenic	NM_001007213	cx45.6	6.391147984	0.219835396	6.171312588	1.37E-20
peak_1097	chr17	32406406	32406847	169157	Intergenic	NM_001077604	klf11b	7.535930973	1.364650599	6.171280374	1.03E-21
peak_927	chr1	18729625	18730076	81981	Intergenic	NM_207071	mettl14	7.216506064	1.045780477	6.170725588	7.34E-23

peak_1330	chr14	24600694	24601074	8902	exon (NM_199857, exon 9 of 19)	NM_199857	hspa4b	6.38985294	0.219835396	6.170017544	1.71E-20
peak_1332	chr7	75215979	75216433	-6803	Intergenic	NM_131760	tyms	7.73647855	1.567723154	6.168755396	1.73E-20
peak_1210	chr20	13415863	13416188	97966	exon (NM_001030168, exon 21 of 25)	NM_001030168	enpp1	6.386687965	0.219835396	6.166852569	4.65E-21
peak_3591	chr5	45529257	45530149	40732	Intergenic	NM_001013558	zgc:112966	8.396001149	2.229879429	6.16612172	2.14E-14
peak_1237	chr4	15703513	15703932	-6737	TTS (NM_001025531)	NM_001013273	caprin2	6.378503906	0.219835396	6.158668511	7.39E-21
peak_8302	chr6	3115894	3117205	-24839	Intergenic	NM_200355	st3gal3a	9.61866557	3.461807997	6.156857572	1.59E-09
peak_1353	chr7	68589686	68590050	-121736	Intergenic	NM_001110471_1	parvab	6.376388318	0.219835396	6.156552922	2.18E-20
peak_1229	chr21	34261897	34262526	29147	Intergenic	NM_001002319	ublcp1	7.646631632	1.490687863	6.155943769	6.46E-21
peak_1232	chr13	22024409	22024828	58310	3' UTR (NM_001145707, exon 26 of 26)	NM_001145707	zswim8	6.375313908	0.219835396	6.155478513	6.56E-21
peak_1162	chr4	9083456	9084065	109990	Intergenic	NM_001045158	sbf1	7.645856997	1.490687863	6.155169134	2.45E-21
peak_1224	chr5	50117474	50117864	-74733	Intergenic	NM_001130962	mef2cb	6.374784131	0.219835396	6.154948736	5.95E-21
peak_2220	chr10	2919170	2919843	-16581	Intergenic	NM_001003876	ddx56	8.060594179	1.907116997	6.153477181	2.52E-17
peak_1228	chr17	32518538	32518888	57070	Intergenic	NM_001077604	klf11b	6.372663077	0.219835396	6.152827681	6.39E-21
peak_8426	chr6	3108700	3109899	-32089	Intergenic	NM_200355	st3gal3a	9.179105807	3.027767131	6.151338677	1.90E-09
peak_2077	chr3	29663388	29664290	1877	intron (NM_001002061, intron 1 of 6)	NM_001002061	rac2	8.014966533	1.863651775	6.151314758	1.02E-17
peak_913	chr7	63016385	63016755	125337	Intergenic	NM_200491	tbc1d19	6.859981644	0.709096771	6.150884872	6.43E-23
peak_9093	chr24	22407510	22408611	8707	intron (NM_001257153, intron 3 of 10)	NM_001014829	flt1	9.345585733	3.194978056	6.150607677	4.77E-09
peak_2006	chr7	30012619	30013036	5162	exon (NM_001020481, exon 7 of 13)	NM_001020481	gpr56	6.370288661	0.219835396	6.150453266	6.77E-18
peak_1170	chr9	33379171	33379577	-2454	Intergenic	NM_213420	rftn2	6.634154077	0.48510786	6.149046217	2.70E-21
peak_1622	chr10	28599226	28599581	111394	Intergenic	NM_001020542	ints2	6.367581972	0.219835396	6.147746576	3.19E-19
peak_1227	chr21	18727379	18727761	16205	Intergenic	NM_001020614	eri1	6.367331221	0.219835396	6.147495825	6.30E-21
peak_1230	chr3	13465675	13466019	53180	exon (NM_001018135, exon 14 of 25)	NM_001018135	sun1	6.366532072	0.219835396	6.146696676	6.47E-21
peak_912	chr25	6848489	6848941	44523	Intergenic	NM_001122855	snx33	7.219320689	1.07379276	6.145527929	6.23E-23
peak_1863	chr21	4930533	4931240	22648	intron (NM_199901, intron 9 of 27)	NM_199901	zgc:55582	7.958951602	1.813729373	6.145222229	2.06E-18
peak_825	chr18	10266631	10267053	-105392	Intergenic	NM_200321	rbm28	7.518107326	1.373698566	6.144408761	1.77E-23
peak_1294	chr24	10570448	10570887	98883	Intergenic	NM_207078	fam49bb	6.364131965	0.219835396	6.14429657	1.31E-20
peak_5828	chr17	25887193	25887992	211955	Intergenic	NM_001080656	acss1	9.003940184	2.861323441	6.142616743	1.60E-11
peak_978	chr11	1318186	1319169	38823	intron (NM_199896, intron 25 of 33)	NM_199896	iars	7.044245327	0.902938058	6.141307268	1.67E-22
peak_1407	chr18	19331273	19331729	-59710	Intergenic	NM_001080163	snapc5	7.74788873	1.606593419	6.141295311	4.09E-20
peak_1236	chr22	3240744	3241087	3188	intron (NM_001111222, intron 1 of 1)	NM_001111222	zgc:171586	6.360642472	0.219835396	6.140807077	7.11E-21
peak_910	chr4	15216531	15216982	-26945	Intergenic	NM_001044757	atp2b1a	6.849130417	0.709096771	6.140033645	6.00E-23
peak_4332	chr20	35943952	35944811	62387	intron (NM_001008583, intron 2 of 18)	NM_001008583	cd2ap	8.507442721	2.367686229	6.139756493	3.01E-13
peak_1241	chr22	11624165	11624471	-6081	intron (NM_199767, intron 3 of 15)	NM_001123268	sgsh	6.359304118	0.219835396	6.139468722	7.67E-21
peak_1922	chr5	52904567	52905045	-8251	Intergenic	NM_001110283	ubac1	6.356055677	0.219835396	6.136220281	3.51E-18
peak_1290	chr6	30109467	30109822	66109	Intergenic	NM_001045383	zgc:153311	6.355802914	0.219835396	6.135967518	1.23E-20
peak_933	chr14	38839359	38839874	632717	Intergenic	NM_001048055	lect2l	7.208037768	1.07379276	6.134245009	7.92E-23
peak_1527	chr9	31491337	31491710	-17379	Intergenic	NM_001007213	cx45.6	6.35393825	0.219835396	6.134102854	1.50E-19
peak_1247	chr2	31309441	31309829	92495	Intergenic	NM_001197300	e2f5	6.353922569	0.219835396	6.134087173	8.05E-21
peak_764	chr18	41266650	41267108	-57283	Intergenic	NM_001167569	pvrl1b	8.009089856	1.875636386	6.133453469	5.72E-24
peak_1252	chr16	34504862	34505290	6121	exon (NM_001083005, exon 7 of 12)	NM_001083005	zufsp	6.352846984	0.219835396	6.133011588	8.16E-21
peak_1518	chr3	29670204	29670705	8492	intron (NM_001002061, intron 1 of 6)	NM_001002061	rac2	7.623693787	1.490687863	6.133005924	1.37E-19
peak_984	chr3	32748282	32749127	-15334	Intergenic	NM_001082807	tspan4b	8.131760752	1.999106858	6.132653893	1.77E-22
peak_2310	chr2	35212904	35214011	74392	Intergenic	NM_131036	tnw	8.884523995	2.754040972	6.130483023	5.27E-17
peak_1296	chr7	26908885	26909254	-47909	Intergenic	NM_001257193	dysf	6.348790649	0.219835396	6.128955253	1.32E-20
peak_1106	chr5	36807530	36807891	10871	intron (NM_001020781, intron 1 of 26)	NM_001020781	fcho2	6.613143998	0.48510786	6.128036138	1.15E-21
peak_1023	chr17	30848841	30849274	40696	intron (NM_001130785, intron 4 of 6)	NM_001130785	zgc:195062	7.180673271	1.054120914	6.126552358	3.72E-22
peak_1276	chr19	8153477	8153894	-5746	exon (NM_001126439, exon 6 of 6)	NM_001100044	mrpl9	6.345009145	0.219835396	6.125173749	1.09E-20
peak_930	chr3	24318746	24319195	-32750	Intergenic	NM_199746	cbx1a	6.834144898	0.709096771	6.125048127	7.62E-23
peak_887	chr16	4079013	4079446	-6878	Intergenic	NM_001113377	csf3r	6.950428352	0.825787209	6.124641142	4.27E-23
peak_8032	chr15	25132156	25132808	-99771	Intergenic	NR_030247		9.119301497	2.996787327	6.12251417	1.00E-09
peak_1308	chr1	30321055	30321366	152517	Intergenic	NM_001017795	eef1a1b	6.341744134	0.219835396	6.121908738	1.42E-20
peak_1556	chr2	16892325	16892640	16118	intron (NM_001143753, intron 4 of 4)	NM_001143753	thpo	6.340132601	0.219835396	6.120297205	1.95E-19
peak_2387	chr20	22319813	22320453	26985	intron (NM_001024653, intron 10 of 31)	NM_001024653	kdr	8.069888933	1.950187435	6.119701498	7.47E-17
peak_1317	chr9	35242648	35243038	-2476	Intergenic	NM_001004642	ildr1b	6.337400409	0.219835396	6.117565013	1.50E-20
peak_1329	chr18	20762687	20762999	64661	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	6.337128491	0.219835396	6.117293096	1.67E-20
peak_5227	chr15	8453036	8453766	-15859	Intergenic	NM_001128700	tmem160	9.502132505	3.385334694	6.116797811	3.98E-12
peak_951	chr12	29024012	29024414	-9035	Intergenic	NM_001002450	meox1	6.825231152	0.709096771	6.11613438	1.03E-22
peak_1359	chr25	17380076	17380807	-36386	Intergenic	NM_001089445	ccnd2a	6.335752254	0.219835396	6.115916859	2.33E-20
peak_1450	chr4	2376009	2376319	20780	intron (NM_001128382, intron 13 of 16)	NM_200897	csrp2	6.334678924	0.219835396	6.114843529	6.71E-20
peak_945	chr4	2785914	2786268	30246	Intergenic	NM_213494	aebp2	6.823679236	0.709096771	6.114582465	9.18E-23
peak_2034	chr5	36772955	36773610	45299	intron (NM_001020781, intron 14 of 26)	NM_001020781	fcho2	8.889882778	2.777988906	6.111893872	7.87E-18
peak_1539	chr21	3826907	3827207	-137688	Intergenic	NM_175082	smad7	6.3316475	0.219835396	6.111812104	1.68E-19
peak_949	chr1	8290511	8290924	13374	exon (NM_001110102, exon 16 of 22)	NM_001166125	gng13a	6.81880735	0.709096771	6.109710578	9.94E-23
peak_1027	chr24	15790040	15790438	-238100	Intergenic	NM_001098738	cbln2b	7.304587697	1.19500324	6.109584457	3.86E-22
peak_855	chr17	19379525	19379896	-14241	Intergenic	NM_001029951	cyp26c1	6.86943622	0.760026623	6.109409598	2.74E-23
peak_1077	chr10	36586709	36587291	9346	intron (NM_001083549, intron 3 of 12)	NM_001083549	zdhhc20a	7.473316817	1.364650599	6.108666219	7.54E-22
peak_1503	chr11	20637431	20637938	-108928	Intergenic	NM_001045273	cdh4	7.826883884	1.719076102	6.107807782	1.18E-19
peak_1311	chr19	320158	320526	-68	promoter-TSS (NM_200426)	NM_200426	ctssa	6.32699939	0.219835396	6.107163994	1.44E-20
peak_1291	chr7	42111617	42112029	19808	exon (NM_001077256, exon 8 of 8)	NM_001077256	rnf32	6.326177578	0.219835396	6.106342182	1.28E-20
peak_1151	chr20	35297604	35297993	17754	intron (NM_200108_1, intron 1 of 11)	NM_200108_1	znf395	6.591126156	0.48510786	6.106018296	2.09E-21
peak_1079	chr2	32620366	32621368	56352	Intergenic	NM_001002637	tmem53	8.635865237	2.52990176	6.105963477	7.78E-22
peak_737	chr22	23154401	23154805	-58154	Intergenic	NM_001199191	cfhl3	7.172592194	1.066840515	6.10575168	3.56E-24
peak_1298	chr1	14179563	14179922	194314	Intergenic	NM_001045485	pi4k2b	6.324806851	0.219835396	6.104971455	1.35E-20
peak_1299	chr16	43272739	43273107	31149	Intergenic	NM_001002075	ccne2	6.324806851	0.219835396	6.104971455	1.35E-20
peak_957	chr24	26628770	26629136	-43510	Intergenic	NM_200440	klhl24b	6.813723531	0.709096771	6.10462676	1.09E-22
peak_1420	chr9	3453627	3454015	39177	Intergenic	NM_001020500	cybrd1	6.321511783	0.219835396	6.101676387	4.98E-20
peak_3728	chr9	3333444	3334060	-50797	Intergenic	NM_131305	dlx1a	9.03009345	2.930025683	6.100067767	3.73E-14
peak_1322	chr23	3441881	3442296	-18533	Intergenic	NM_131015	mafba	6.319845366	0.219835396	6.10000997	1.58E-20
peak_1327	chr23	21870023	21870417	-41072	Intergenic	NM_213176	rcc2	6.317366252	0.219835396	6.097530856	1.64E-20
peak_4936	chr20	22403938	22404697	41101	Intergenic	NM_131053	kita	8.535572067	2.438268731	6.097303336	1.86E-12
peak_1052	chr22	40764674	40765365	17061	intron (NM_001102639, intron 2 of 9)	NM_001102639	acap2	8.263089264	2.168709871	6.094379393	5.79E-22
peak_2871	chr21	906305	906895	-74042	Intergenic	NM_194432	oaz2a	8.165781107	2.071799355	6.093981752	1.15E-15
peak_1829	chr23	24208781	24209240	3706	intron (NM_200454, intron 1 of 15)	NM_200454	ptpn11b	6.310457388	0.219835396	6.090621992	1.58E-18
peak_1356	chr14	22909294	22909707	26151	Intergenic	NM_200207	zgc:56197	6.309609926	0.219835396	6.089774531	2.22E-20
peak_1391	chr22	15428151	15428479	-2094	Intergenic	NM_001007788	mfng	6.30850078	0.219835396	6.088665384	3.47E-20
peak_1373	chr25	13197566	13198018	-30670	intron (NM_001128358, intron 8 of 9)	NM_001126430	klhdc4	6.307096948	0.219835396	6.087261552	2.98E-20
peak_1349	chr19	23676501	23676800	59417	intron (NM_001004287, intron 5 of 16)	NM_001004287	grb10a	6.305985867	0.219835396	6.086150471	2.12E-20
peak_1335	chr2	20856069	20856463	-3480	Intergenic	NM_212995	riok1	6.304595811	0.219835396	6.084760415	1.80E-20
peak_14442	chr17	10357120	10359646	809	exon (NM_199786, exon 1 of 1)	NM_199786	clec14a	10.29818745	4.214221663	6.083965784	1.21E-06
peak_5157	chr13	25295387	25296105	126246	exon (NM_212791, exon 5 of 11)	NM_001272084	adka	8.585750485	2.501824256	6.083926229	3.42E-12
peak_599	chr17	49936428	49936859	29365	intron (NM_001278851, intron 2 of 7)	NM_001278851	shroom3	7.558890125	1.475018232	6.083871893	1.26E-25
peak_941	chr23	3277462	3277893	145878	Intergenic	NM_131015	mafba	6.986325899	0.902938058	6.08338784	9.04E-23
peak_1320	chr23	6963251	6964130	27532	Intergenic	NM_001113583	trim35-39	7.447172665	1.364650599	6.082522067	1.55E-20
peak_1382	chr9	26141750	26142094	73033	Intergenic	NM_001017796	esd	6.301811675	0.219835396	6.081976279	3.25E-20
peak_729	chr15	28091457	28092043	-65212	Intergenic	NM_200018	blmh	8.211475436	2.132584471	6.078890965	3.15E-24
peak_1355	chr25	14791513	14792035	23530	Intergenic	NM_131178	dbx1b	6.298447308	0.219835396	6.078611912	2.20E-20
peak_2139	chr3	36335665	36336358	28010	intron (NM_001013263, intron 3 of 3)	NM_001013263	gna13b	7.941844015	1.863651775	6.07819224	1.49E-17
peak_1659	chr25	23738846	23739219	36803	exon (NM_200880, exon 3 of 7)	NM_200880	dusp8a	6.297904836	0.219835396	6.07806944	4.39E-19
peak_3539	chr3	56175675	56176396	-33139	Intergenic	NM_001080635	ldlrap1b	9.455655394	3.377979607	6.077675787	1.82E-14
peak_1724	chr24	27074742	27075103	5039	Intergenic	NM_001197254	and1	6.297313234	0.219835396	6.077477839	7.31E-19
peak_1928	chr7	64913136	64913518	378655	Intergenic	NM_131287	sox17	6.295667597	0.219835396	6.075832201	3.70E-18
peak_1365	chr18	30185569	30185899	-200284	Intergenic	NM_001080807	gse1	6.29565127	0.219835396	6.075815874	2.60E-20
peak_1439	chr11	19535508	19535825	-17576	Intergenic	NM_001110031	rhol	6.293690814	0.219835396	6.073855418	5.95E-20
peak_1401	chr3	31149494	31149876	-41369	Intergenic	NM_001004680	cox6a2	6.292833443	0.219835396	6.072998047	3.80E-20
peak_1376	chr9	26168392	26168953	46283	Intergenic	NM_001017796	esd	6.292272489	0.219835396	6.072437094	3.12E-20

peak_1174	chr15	27678963	27679847	-38316	Intergenic	NM_200251	slc43a2a	7.816164438	1.743846573	6.072317865	2.85E-21
peak_1512	chr4	9786173	9786556	45	promoter-TSS (NM_001290178)	NM_001290178	stab2	6.285523982	0.219835396	6.065688586	1.24E-19
peak_4098	chr9	15239325	15240280	-458736	Intergenic	NM_212966	nrp2b	11.19283681	5.127695312	6.065141502	1.40E-13
peak_1387	chr11	22219422	22219726	17667	intron (NM_001002751, intron 5 of 21)	NM_001002751	ikbke	6.284943729	0.219835396	6.065108334	3.38E-20
peak_1105	chr13	5561184	5561855	52567	intron (NM_213234, intron 4 of 7)	NM_213234	spred2b	7.869828691	1.805399871	6.06442882	1.15E-21
peak_1173	chr8	17964367	17965317	71004	intron (NM_130935, intron 1 of 6)	NM_130935	skia	8.657462571	2.593199	6.06426357	2.84E-21
peak_5915	chr22	33482029	33482981	180536	Intergenic	NM_001040377	zgc:136895	8.672396536	2.609160782	6.063235754	1.95E-11
peak_1395	chr17	49966850	49967228	40588	intron (NM_001278851, intron 4 of 7)	NM_001017601	fcf1	6.280990881	0.219835396	6.061155485	3.62E-20
peak_1414	chr13	9087801	9088080	119187	Intergenic	NM_001076662	sfxn4	6.280425303	0.219835396	6.060589907	4.45E-20
peak_1422	chr19	38884040	38884478	-123248	Intergenic	NM_001044714	dlgap3	6.280142431	0.219835396	6.060307035	5.01E-20
peak_1071	chr12	28483612	28484444	35616	intron (NM_001077161, intron 1 of 4)	NM_001077161	znf438	7.070884762	1.010874013	6.060010749	7.07E-22
peak_3255	chr24	29442113	29443013	-41000	Intergenic	NM_001002206	abca4a	9.237110321	3.177334576	6.059775745	5.68E-15
peak_1696	chr11	24241191	24241617	15169	Intergenic	NM_001113489	kiss1	6.276460038	0.219835396	6.056624642	5.87E-19
peak_1243	chr23	36456543	36457048	12782	intron (NM_001076631, intron 4 of 6)	NM_001076631	znf740b	6.541620048	0.48510786	6.056512188	7.87E-21
peak_1370	chr17	34016909	34017230	-59927	Intergenic	NM_001003855	fut8a	6.275592362	0.219835396	6.055756967	2.92E-20
peak_2131	chr20	16145910	16146781	50538	intron (NM_200474, intron 1 of 17)	NM_200474	ralgps2	9.588277794	3.53274895	6.055528844	1.40E-17
peak_1039	chr14	26225611	26225956	11479	Intergenic	NR_030143		6.934667776	0.87932337	6.055344406	4.58E-22
peak_3374	chr24	25718361	25719126	41186	Intergenic	NM_001100152	amer2	8.60160791	2.547488883	6.054119026	9.31E-15
peak_967	chr24	18118848	18119264	-169822	intron (NM_001281991, intron 15 of 23)	NM_213495	cul1b	7.126652036	1.07379276	6.052859277	1.32E-22
peak_1426	chr7	44939358	44939719	-178727	Intergenic	NM_131214	cdh11	6.271027898	0.219835396	6.051192502	5.20E-20
peak_1905	chr2	14996832	14997400	48115	intron (NM_200111, intron 13 of 26)	NM_200111	arhgap29b	8.602353398	2.552671181	6.049682217	2.85E-18
peak_1244	chr18	24742799	24743155	30298	exon (NM_001281462, exon 20 of 37)	NM_001281462	chd2	6.523768423	0.474639816	6.049128607	7.89E-21
peak_1672	chr14	4947101	4947458	-249642	Intergenic	NM_001017822_1	zgc:110204	6.267305486	0.219835396	6.04747009	4.87E-19
peak_1126	chr20	34004472	34005344	-1655	Intergenic	NM_001030119	si:dkey-51e6.1	7.469841165	1.424574834	6.04526633	1.67E-21
peak_1357	chr20	28218984	28219739	-55541	Intergenic	NM_001079835	dll4	10.12702794	4.082114007	6.04491393	2.24E-20
peak_1410	chr22	4183333	4183736	59492	Intergenic	NM_213077_1	uhrf1	6.26273139	0.219835396	6.042895994	4.37E-20
peak_12944	chr24	30704741	30705803	-300718	Intergenic	NM_001099258	lppr5b	9.883793066	3.840929419	6.042863647	3.31E-07
peak_1040	chr8	11585937	11586327	-8767	exon (NM_131145, exon 3 of 5)	NM_200893	ampd1	6.733570957	0.691124799	6.042446158	4.70E-22
peak_1405	chr4	7374846	7375236	114073	Intergenic	NM_001025506	adipor2	6.262158607	0.219835396	6.042323211	3.94E-20
peak_4581	chr13	9630349	9630928	-96886	Intergenic	NM_001030064	rnaset2	8.407404396	2.367686229	6.039718167	6.71E-13
peak_1991	chr14	9880700	9881208	-87263	Intergenic	NM_213447	tmem129	9.167693825	3.130013483	6.037680342	5.97E-18
peak_1506	chr24	4868270	4868699	-23080	Intergenic	NM_001110021	cpb1	6.257280748	0.219835396	6.037445352	1.22E-19
peak_1507	chr25	20376774	20377153	-60407	Intergenic	NM_001130626	kcna6	6.257280748	0.219835396	6.037445352	1.22E-19
peak_1182	chr10	20731266	20732289	-270	promoter-TSS (NM_001002195)	NM_001002195	rassf2b	9.226039639	3.188860415	6.037179224	3.33E-21
peak_1013	chr16	12731112	12731529	186405	Intergenic	NM_131602	dedd1	7.231695313	1.19500324	6.036692073	3.20E-22
peak_1567	chr20	11010248	11010622	277894	Intergenic	NM_001100043	flrt2	6.256418235	0.219835396	6.036582839	2.10E-19
peak_4320	chr5	22106587	22107193	4018	intron (NM_201295, intron 1 of 10)	NM_201295	coro1ca	9.223240251	3.187356789	6.035883462	2.89E-13
peak_8049	chr2	27675692	27676872	37011	intron (NM_001144819, intron 2 of 13)	NM_001144819	zswim5	8.989359744	2.953659189	6.035700555	1.04E-09
peak_1035	chr5	37385716	37386145	-18202	Intergenic	NM_001126477	stard8	7.262158607	1.226539182	6.035619425	4.36E-22
peak_1411	chr25	3786019	3786368	15616	intron (NM_001003994, intron 11 of 26)	NM_001003994	morc2	6.254674862	0.219835396	6.034839466	4.37E-20
peak_5025	chr4	3218590	3219281	5526	intron (NM_213306, intron 8 of 11)	NM_213306	pik3cg	8.466156117	2.431948405	6.034207711	2.39E-12
peak_741	chr16	42803939	42804384	94198	Intergenic	NM_200216	trmt11	7.410972753	1.379321355	6.031651398	4.02E-24
peak_3217	chr22	20506690	20507320	-6604	Intergenic	NM_001045165	si:dkey-110c1.7	9.051358642	3.023569895	6.027788747	4.72E-15
peak_6271	chr20	19082516	19083416	4091	intron (NM_001013265, intron 5 of 6)	NM_001013265	pinx1	9.389153065	3.362120114	6.027032951	4.33E-11
peak_1924	chr23	8933397	8933970	-93730	Intergenic	NM_200986	tcea2	7.797962819	1.771592457	6.026370362	3.62E-18
peak_1710	chr4	22899055	22899489	237	intron (NM_194401, intron 1 of 11)	NM_194401	celf2	6.245107656	0.219835396	6.02527226	6.50E-19
peak_1171	chr25	400826	401201	16226	intron (NM_183342, intron 2 of 7)	NM_183342	prickle1a	6.510282977	0.48510786	6.025175118	2.76E-21
peak_2992	chr8	12067561	12068151	-1805	Intergenic	NR_030071		8.978655693	2.953934734	6.024720959	1.97E-15
peak_1445	chr11	38126890	38127646	-323310	Intergenic	NM_203484	cacna1da	8.570414389	2.54742791	6.022986478	6.41E-20
peak_1577	chr15	31499951	31500347	4693	intron (NM_001005935, intron 4 of 9)	NM_001005935	arfip2a	6.241932681	0.219835396	6.022097286	2.27E-19
peak_1128	chr12	23270107	23270522	230605	Intergenic	NM_001020680	mrpl27	7.351358891	1.330227956	6.021130934	1.71E-21
peak_1429	chr16	10222024	10222373	-258369	Intergenic	NM_001289913	cobl	6.239007846	0.219835396	6.019172451	5.37E-20
peak_1309	chr20	40062381	40062793	-247842	Intergenic	NM_001082853	rnf217	6.709787057	0.691124799	6.018662258	1.43E-20
peak_2860	chr12	23890175	23890857	-10525	Intergenic	NM_001007151	shbg	8.01225403	1.994825282	6.017428748	1.05E-15
peak_1879	chr1	4825437	4826079	-173090	Intergenic	NM_001145693	abcb6a	8.677140307	2.659905184	6.017235123	2.32E-18
peak_4694	chr7	32421054	32422237	-155036	Intergenic	NM_001013468	zgc:111992	9.776622418	3.759558468	6.017063951	9.18E-13
peak_1101	chr5	51518212	51518644	-9145	Intergenic	NM_131180	nr2f1a	6.919256978	0.902938058	6.016318919	1.06E-21
peak_1480	chr2	23450713	23451161	-10867	TTS (NM_001128248)	NM_001080004	zgc:154006	6.234033906	0.219835396	6.01419851	9.19E-20
peak_1183	chr22	38139939	38140302	49570	intron (NM_200109, intron 1 of 3)	NM_200109	tsc22d2	6.497901332	0.48510786	6.012793472	3.42E-21
peak_3375	chr2	32622106	32622645	57860	Intergenic	NM_001002637	tmem53	8.539362473	2.528328413	6.01103406	9.33E-15
peak_1529	chr24	19651034	19651456	-108442	Intergenic	NM_001089499	zgc:162928	6.228180301	0.219835396	6.008344905	1.50E-19
peak_1635	chr7	26851341	26851711	9634	intron (NM_001257193, intron 3 of 53)	NM_001257193	dysf	6.226713181	0.219835396	6.006877785	3.60E-19
peak_1692	chr9	18257003	18257433	42420	intron (NM_001128338, intron 14 of 44)	NM_001128338	vwa8	7.679561543	1.673255946	6.006305597	5.82E-19
peak_1808	chr13	30410267	30410707	14236	exon (NM_001089385, exon 15 of 20)	NM_001089385	pald1b	6.224950665	0.219835396	6.005115269	1.38E-18
peak_1455	chr22	13231066	13231331	-48913	intron (NM_131264, intron 2 of 10)	NM_001024816	ahr1b	6.224051441	0.219835396	6.004216045	6.88E-20
peak_4490	chr20	11610068	11610738	-322074	Intergenic	NM_001100043	flrt2	9.112747531	3.109437404	6.003310127	5.20E-13
peak_3726	chr16	52380536	52381192	333236	Intergenic	NM_001110524	brd2b	8.389000589	2.386807682	6.002192907	3.67E-14
peak_1508	chr12	24807135	24807523	13220	intron (NM_199660, intron 4 of 12)	NM_199660	waca	6.221401971	0.219835396	6.001566575	1.22E-19
peak_1175	chr17	25321320	25321726	35409	3' UTR (NM_201486, exon 6 of 6)	NM_201486	clic4	6.555738538	0.554393687	6.001344851	3.04E-21
peak_1526	chr22	8417417	8417753	-373415	Intergenic	NM_001122619	sc:d217	6.21961574	0.219835396	5.999780344	1.49E-19
peak_1494	chr8	20014270	20014655	-7204	intron (NM_201302, intron 5 of 5)	NM_001004593	zgc:92140	6.218730405	0.219835396	5.998895009	1.07E-19
peak_1465	chr11	36895569	36896115	-4053	Intergenic	NM_001007281	gpx1a	6.216366853	0.219835396	5.996531457	7.83E-20
peak_1877	chr20	21338385	21338726	-2635	Intergenic	NM_001044888	nudt14	6.216053883	0.219835396	5.996218487	2.27E-18
peak_979	chr21	32880876	32881294	117382	Intergenic	NM_199763	rnf145b	7.048081209	1.052834703	5.995246506	1.71E-22
peak_6043	chr10	32632592	32633541	32255	intron (NM_001115066, intron 1 of 6)	NM_001115066	esama	9.938190513	3.94354581	5.994644702	2.63E-11
peak_2471	chr3	18977001	18977773	44941	intron (NM_001089553, intron 15 of 17)	NM_001089553	rfx1a	7.901133584	1.907116997	5.994016587	1.25E-16
peak_1525	chr24	24118632	24118946	160543	Intergenic	NM_001075111	hnf4g	6.21370322	0.219835396	5.993867824	1.48E-19
peak_1524	chr10	7393958	7394385	-30953	Intergenic	NM_001002346	hvcn1	6.21370322	0.219835396	5.993867824	1.48E-19
peak_1534	chr21	9489257	9489571	-72597	intron (NM_001080201, intron 1 of 5)	NR_030058		6.211907425	0.219835396	5.99207203	1.59E-19
peak_4979	chr20	21441568	21442262	-21441	Intergenic	NM_131862	jag2b	8.803258648	2.811801306	5.991457342	2.12E-12
peak_1250	chr19	30459611	30460037	-46176	Intergenic	NM_001100060	paqr7a	6.475796369	0.48510786	5.990688509	8.11E-21
peak_1982	chr18	20153004	20153611	85741	Intergenic	NM_131355	kif23	8.038462555	2.047973186	5.990489369	5.47E-18
peak_1815	chr6	28988039	28988409	-13578	intron (NM_130929, intron 4 of 11)	NM_001114914	zgc:172121	6.210144042	0.219835396	5.990308646	1.44E-18
peak_1484	chr13	11490231	11490607	-11733	Intergenic	NM_199571	ube2d3	6.210126717	0.219835396	5.990291322	9.57E-20
peak_1483	chr25	31056469	31056801	-64042	Intergenic	NM_199540	api5	6.208046443	0.219835396	5.988211047	9.55E-20
peak_1029	chr11	45251157	45251686	7240	intron (NM_001077318, intron 5 of 12)	NM_001077318	clcn4	7.06165953	1.07379276	5.987866771	3.95E-22
peak_5425	chr8	28437165	28437807	29171	intron (NM_001002445, intron 1 of 4)	NM_001002445	rhoad	8.48958866	2.501824256	5.987764404	6.40E-12
peak_1501	chr18	18770492	18770906	7911	intron (NM_001044984, intron 8 of 10)	NM_001044984	ptplad1	6.207153978	0.219835396	5.987318582	1.16E-19
peak_1514	chr4	7560774	7561089	12960	intron (NM_130937, intron 1 of 5)	NM_001015043	fbxl14b	6.206856367	0.219835396	5.987020971	1.27E-19
peak_1447	chr20	20349976	20350641	-7975	Intergenic	NM_194415	ppp2r5ea	6.888739871	0.902938058	5.985801812	6.55E-20
peak_1589	chr21	29716497	29716874	15938	Intergenic	NM_200040	rhogb	6.205367389	0.219835396	5.985531994	2.41E-19
peak_7668	chr22	26871844	26872682	-6839	exon (NM_001017752, exon 6 of 7)	NM_001002429	wdr83	9.236893831	3.252546671	5.98434716	5.72E-10
peak_1058	chr3	21540626	21541142	-47450	Intergenic	NM_001006067	syngr1a	6.88500268	0.902938058	5.982064622	6.10E-22
peak_1488	chr13	25347269	25347640	74538	intron (NM_001272084, intron 4 of 10)	NM_001272084	adka	6.201172627	0.219835396	5.981337231	1.01E-19
peak_1492	chr10	22975261	22975675	3111	intron (NM_205670, intron 1 of 2)	NM_205670	tmem88a	6.200574869	0.219835396	5.980739474	1.06E-19
peak_3791	chr5	37447386	37448101	43611	intron (NM_001126477, intron 2 of 13)	NM_001126477	stard8	8.409938887	2.429240453	5.980698433	4.85E-14
peak_1062	chr1	50149756	50150183	-9397	Intergenic	NM_001077289	tsga10	6.806254789	0.825787209	5.98046758	6.38E-22
peak_1819	chr20	23783166	23783700	41299	intron (NM_001044792, intron 5 of 11)	NM_001083824	si:dkey-15j16.3	6.199959417	0.219835396	5.980124021	1.47E-18
peak_1548	chr15	19265438	19266169	-47966	Intergenic	NM_001009558	il15l	7.586672445	1.606593419	5.980079026	1.87E-19
peak_1553	chr20	48421266	48421572	-9458	Intergenic	NM_001025546	tfap2d	6.198480766	0.219835396	5.97864537	1.92E-19
peak_1652	chr14	30879018	30879427	34233	Intergenic	NM_001079996	cyp4v7	6.196983115	0.219835396	5.977147719	4.21E-19
peak_554	chr18	18071784	18072871	7126	intron (NM_199787, intron 2 of 6)	NM_199787	n4bp1	8.530090022	2.553663646	5.976426376	5.16E-26
peak_1519	chr7	34304892	34305272	52767	Intergenic	NM_131518	cd81	6.195466406	0.219835396	5.97563101	1.39E-19
peak_1094	chr8	43517414	43517727	25023	intron (NM_200838, intron 15 of 21)	NM_200578	arpc5la	6.621889525	0.646338197	5.975551328	1.01E-21
peak_1511	chr5	43745104	43745451	-2901	Intergenic	NM_200056	emc6	6.194866279	0.219835396	5.975030883	1.23E-19

peak_1500	chr5	52891420	52891797	3704	exon (NM_001110284, exon 3 of 8)	NM_001110284	sdccag3	6.193364869	0.219835396	5.973529473	1.15E-19
peak_1528	chr2	18913547	18913861	-76672	Intergenic	NM_001128369	LOC100006660	6.191861895	0.219835396	5.972026499	1.50E-19
peak_5490	chr15	2493582	2494323	-5320	intron (NM_131769, intron 2 of 7)	NM_001020548	neu4	8.464289827	2.493469792	5.970820035	7.52E-12
peak_1604	chr18	14192306	14192673	10873	intron (NM_001100000, intron 1 of 6)	NM_001100000	wfdc1	6.190357353	0.219835396	5.970521958	2.70E-19
peak_6630	chr19	9033237	9034196	-70622	Intergenic	NM_200597	efna1a	8.876483984	2.90725721	5.969226774	8.71E-11
peak_2141	chr23	32309582	32309994	4915	intron (NM_199543, intron 2 of 7)	NM_199543	cd63	6.18700662	0.219835396	5.967171224	1.51E-17
peak_1530	chr15	4390289	4390653	-3379	Intergenic	NM_198208	tfdp2	6.184608109	0.219835396	5.964772713	1.52E-19
peak_2039	chr2	21470881	21471578	40578	intron (NM_001080042, intron 2 of 3)	NM_001080042	zgc:158346	8.007889576	2.044438478	5.963451098	8.13E-18
peak_1597	chr19	22051799	22052258	146862	Intergenic	NM_001159669	LOC100003866	6.18309598	0.219835396	5.963260584	2.50E-19
peak_1600	chr15	19124204	19124563	-37577	Intergenic	NM_001083838	med13b	6.181261655	0.219835396	5.96142626	2.66E-19
peak_1555	chr4	17944248	17944682	-24916	intron (NM_199533, intron 3 of 7)	NM_001045043	mcat	6.180352461	0.219835396	5.960517065	1.94E-19
peak_1861	chr21	19202559	19202946	6511	Intergenic	NM_001110169_3	zgc:171957	6.179763706	0.219835396	5.95992831	2.00E-18
peak_1459	chr18	29026117	29026550	-325876	Intergenic	NM_131844	maf	6.659232433	0.70013877	5.959093663	7.55E-20
peak_5906	chr20	28135827	28136370	-138804	Intergenic	NM_001079835	dll4	8.510219162	2.552474647	5.957744515	1.91E-11
peak_1535	chr19	33049778	33050152	-2292	Intergenic	NM_212561	hey1	6.177317667	0.219835396	5.957482272	1.59E-19
peak_1570	chr13	31081489	31081779	53634	Intergenic	NM_178307	cxcl12a	6.17610196	0.219835396	5.956266565	2.14E-19
peak_1800	chr23	17452178	17452602	60654	intron (NM_001080652, intron 2 of 7)	NM_001080652	zgc:158791	6.176084222	0.219835396	5.956248826	1.28E-18
peak_1144	chr11	42101348	42101751	21691	intron (NM_213313, intron 6 of 6)	NM_213313	fam213b	6.663346902	0.709096771	5.954250131	2.02E-21
peak_1897	chr19	4799480	4799839	5949	intron (NM_001113635, intron 1 of 16)	NM_001113635	map7d1b	6.1718389	0.219835396	5.952003504	2.61E-18
peak_6598	chr9	23393139	23394133	334	exon (NM_001013275, exon 2 of 3)	NM_001013275	crygs4	8.615661879	2.663703566	5.951958313	8.01E-11
peak_1538	chr4	10672764	10673115	-132	promoter-TSS (NR_030037)	NR_030037		6.170600759	0.219835396	5.950765364	1.66E-19
peak_1284	chr7	21781069	21781508	-21490	Intergenic	NM_001008598	sat2a	6.435109625	0.48510786	5.950001765	1.16E-20
peak_1616	chr2	44539578	44539857	-67696	Intergenic	NM_001126468	si:dkeyp-94h10.5	6.167851193	0.219835396	5.948015797	2.87E-19
peak_1662	chr6	43913647	43914032	-59940	Intergenic	NM_001172399	prok2	6.166303529	0.219835396	5.946468133	4.52E-19
peak_1754	chr11	44302568	44302792	34791	Intergenic	NM_212914	foxg1b	6.165709012	0.219835396	5.945873616	8.83E-19
peak_1598	chr5	33509827	33510188	2892	exon (NM_001089443, exon 2 of 2)	NM_001089443	tmem119b	6.164772082	0.219835396	5.944936686	2.51E-19
peak_1987	chr8	19531124	19531512	-113156	Intergenic	NM_001082819	rorca	6.163256904	0.219835396	5.943421508	5.71E-18
peak_1551	chr15	6962251	6962618	-22250	Intergenic	NM_001045252	foxl2	6.16231838	0.219835396	5.942482984	1.92E-19
peak_1552	chr20	28749832	28750231	43934	intron (NM_001281792, intron 1 of 20)	NM_001281792	sipa1l1	6.16231838	0.219835396	5.942482984	1.92E-19
peak_1978	chr11	27263585	27263908	-33251	Intergenic	NM_001045240	ppcs	6.161993461	0.219835396	5.942158065	5.40E-18
peak_4052	chr9	26173703	26174377	40915	Intergenic	NM_001017796	esd	9.472727207	3.531378774	5.941348433	1.21E-13
peak_2479	chr20	21505656	21506586	42765	intron (NM_131862, intron 5 of 25)	NM_131862	jag2b	8.872833293	2.934690609	5.938142685	1.35E-16
peak_1788	chr5	47474477	47474922	13257	intron (NM_001034984, intron 2 of 25)	NM_001034984	slc4a4a	6.15770641	0.219835396	5.937871014	1.12E-18
peak_1809	chr18	19841735	19842052	27197	Intergenic	NM_001002604	morf4l1	6.15739842	0.219835396	5.937563024	1.38E-18
peak_1810	chr7	37473288	37473620	-308511	Intergenic	NM_001045227	irx5a	6.15739842	0.219835396	5.937563024	1.38E-18
peak_1606	chr24	29310285	29310797	4694	intron (NM_001017617, intron 5 of 9)	NM_001017617	sh3glb1a	6.156764266	0.219835396	5.936928871	2.74E-19
peak_1587	chr18	28055682	28055991	180089	Intergenic	NM_001080159	hipk3b	6.156147819	0.219835396	5.936312423	2.39E-19
peak_1581	chr17	53872563	53873003	-20423	Intergenic	NM_001040309	ttc8	6.153988177	0.219835396	5.934152781	2.29E-19
peak_946	chr6	23312735	23313233	-11993	Intergenic	NM_001077579	ppp1r12c	7.829404951	1.89539212	5.93401283	9.37E-23
peak_1842	chr5	60777804	60778153	32148	TTS (NM_001123287)	NM_001020466	nup88	6.152425562	0.219835396	5.932590166	1.74E-18
peak_1690	chr22	18723602	18723986	-7930	Intergenic	NM_001044717	si:ch211-212d10.	6.151206735	0.219835396	5.931371339	5.70E-19
peak_1741	chr10	43341513	43341913	4209	intron (NM_001020642, intron 2 of 4)	NM_001020642	rhof	6.151188688	0.219835396	5.931353292	8.12E-19
peak_1100	chr21	10197153	10197572	-5475	3' UTR (NM_001083812, exon 12 of 12)	NM_001005942	glrx	6.832988289	0.902938058	5.93005023	1.06E-21
peak_3468	chr17	14455438	14456750	56240	3' UTR (NM_001204257, exon 18 of 18)	NM_001204257	ppp1r13ba	9.720650933	3.791017796	5.929633138	1.32E-14
peak_731	chr18	33765319	33765756	13286	Intergenic	NM_001077275	zgc:153119	7.721102965	1.792814747	5.928288218	3.16E-24
peak_2120	chr14	7191626	7191902	23551	Intergenic	NM_001013291	trpt1	6.146869361	0.219835396	5.927033965	1.33E-17
peak_1594	chr22	21210322	21210690	34404	intron (NM_199707, intron 2 of 11)	NM_199707	ell	6.14685126	0.219835396	5.927015864	2.45E-19
peak_3074	chr1	36409230	36410186	-20529	TTS (NM_001099445)	NM_001145596	tmem184c	9.087288193	3.161105631	5.926182563	2.70E-15
peak_5922	chr6	39519212	39520227	41825	Intergenic	NM_001025549	atf7b	9.433200855	3.508346094	5.924854761	1.98E-11
peak_1636	chr16	42614843	42615177	-89373	Intergenic	NM_001076716	rbms3	6.144677645	0.219835396	5.9248425	3.62E-19
peak_2130	chr9	8734416	8735521	216408	Intergenic	NM_212771	rab20	9.108126471	3.183461948	5.924664523	1.39E-17
peak_1472	chr19	50254039	50254551	-54489	Intergenic	NM_001033754	zgc:114119	6.47901846	0.554393687	5.924624773	8.63E-20
peak_1678	chr13	23217793	23218133	-3297	Intergenic	NM_001171612	srgn	6.143745093	0.219835396	5.923909697	5.22E-19
peak_1089	chr2	15036391	15036754	87571	Intergenic	NM_200111	arhgap29b	6.976911391	1.054120914	5.922790477	9.32E-22
peak_1122	chr11	11661596	11661987	-21972	Intergenic	NM_213523	krt15	6.800732108	0.87932337	5.921408738	1.62E-21
peak_1143	chr13	23211514	23211919	2950	exon (NM_001171612, exon 3 of 3)	NM_001171612	srgn	6.994635262	1.07379276	5.920842502	2.00E-21
peak_1620	chr5	33380242	33380569	-26077	intron (NM_001076613, intron 3 of 12)	NM_001122846	dpm2	6.140302384	0.219835396	5.920466988	3.10E-19
peak_1178	chr14	35993745	35994126	-8600	Intergenic	NM_001102652	adrb2a	7.171372497	1.251205952	5.920166545	3.05E-21
peak_1423	chr21	20048796	20049130	-22982	Intergenic	NM_001113732	lifrb	6.404476188	0.48510786	5.919368328	5.05E-20
peak_1674	chr20	9695324	9696142	42630	intron (NM_213412, intron 7 of 10)	NM_213412	rad51b	10.2647269	4.345409482	5.919317414	4.96E-19
peak_886	chr3	31771840	31772290	13265	Intergenic	NM_131140	fzd2	7.227585073	1.308618501	5.918966572	4.26E-23
peak_1615	chr18	37862645	37862963	9011	intron (NM_001003507, intron 2 of 2)	NM_001003507	lysmd2	6.138431006	0.219835396	5.91859561	2.87E-19
peak_950	chr2	41524160	41525011	-20233	3' UTR (NM_001020567, exon 14 of 15)	NM_001080597	d2hgdh	9.229934605	3.313217693	5.916716912	1.02E-22
peak_1109	chr22	39476684	39477136	-62029	Intergenic	NM_201294	b3gnt7	6.81880735	0.902938058	5.915869291	1.25E-21
peak_1729	chr24	13809918	13810308	-19149	Intergenic	NM_131193	eya1	6.134662696	0.219835396	5.9148273	7.71E-19
peak_1337	chr25	19663743	19664062	24504	intron (NM_001080990, intron 3 of 9)	NM_001080990	mfge8b	6.399796886	0.48510786	5.914689026	1.83E-20
peak_1825	chr6	16227129	16227500	96698	Intergenic	NM_001002395	faimb	6.134054993	0.219835396	5.914219597	1.55E-18
peak_1900	chr14	34768355	34769070	-69697	Intergenic	NM_001002324	zdhhc24	8.428735973	2.514654537	5.914081436	2.65E-18
peak_1614	chr20	20305016	20305496	37077	3' UTR (NM_194415, exon 14 of 14)	NM_194415	ppp2r5ea	7.480112783	1.567723154	5.912389629	2.85E-19
peak_1628	chr23	17965301	17965637	-6086	Intergenic	NM_212854	rnd1	6.132157201	0.219835396	5.912321806	3.45E-19
peak_2795	chr20	43206863	43207763	62085	Intergenic	NM_001039620	dusp23a	8.637463956	2.725629968	5.911833988	7.53E-16
peak_1436	chr17	26591263	26591726	-28832	Intergenic	NM_213351	calm1a	7.364665668	1.453857079	5.910808589	5.85E-20
peak_1135	chr4	1955460	1955889	1975	intron (NM_001044898, intron 3 of 5)	NM_001044898	frs2a	6.964072597	1.054120914	5.909951683	1.83E-21
peak_1289	chr12	29935984	29936482	20488	Intergenic	NM_001002515	cdk5r1b	6.463861277	0.554393687	5.90946759	1.22E-20
peak_1700	chr19	32892752	32893082	60373	exon (NM_001045026, exon 4 of 23)	NM_001045026	fam65b	6.128076469	0.219835396	5.908241074	5.98E-19
peak_1738	chr9	23727685	23728059	17024	intron (NM_001082836, intron 7 of 15)	NM_001082836	itgb5	6.127447639	0.219835396	5.907612243	7.95E-19
peak_1966	chr2	29309250	29309890	-15382	Intergenic	NM_001202455	dlgap1a	7.621213159	1.713875669	5.90733749	4.86E-18
peak_1859	chr7	47432455	47432768	-140679	Intergenic	NM_001020749	pop4	6.125874362	0.219835396	5.906038966	1.98E-18
peak_2038	chr10	22504933	22505250	-77145	Intergenic	NM_001166336	nlgn2a	6.123984162	0.219835396	5.904148766	8.12E-18
peak_1642	chr4	15203387	15203738	-13751	Intergenic	NM_001044757	atp2b1a	6.123965771	0.219835396	5.904130376	3.84E-19
peak_1778	chr7	26188648	26189078	6499	exon (NM_001015059, exon 3 of 5)	NM_001015059	b3gat3	7.130450455	1.226539182	5.903911273	1.06E-18
peak_1638	chr5	14868428	14868812	15379	Intergenic	NM_153644	h2afva	6.123650493	0.219835396	5.903815097	3.71E-19
peak_1899	chr4	21637831	21638429	21953	intron (NM_200971, intron 4 of 8)	NM_200971	gnai1	8.052145776	2.149135593	5.903010183	2.63E-18
peak_1412	chr13	18598529	18598832	3865	intron (NM_001076573, intron 2 of 6)	NM_001076573	zgc:154058	6.3766375	0.474639816	5.901997684	4.40E-20
peak_1656	chr1	30295823	30296202	127319	Intergenic	NM_001017795	eef1a1b	6.121441614	0.219835396	5.901606219	4.34E-19
peak_1725	chr15	19228681	19229062	28060	Intergenic	NM_001077250	spint2	6.119861771	0.219835396	5.900026375	7.32E-19
peak_1837	chr7	21152649	21153143	-28931	Intergenic	NM_001111237	snx15	6.119527147	0.219835396	5.899691751	1.67E-18
peak_1771	chr19	30711126	30711521	-73414	Intergenic	NM_131162	ntla	6.119229348	0.219835396	5.899393953	9.87E-19
peak_1811	chr7	26104498	26104846	55840	Intergenic	NM_001012366	krcp	6.119210897	0.219835396	5.899375501	1.40E-18
peak_1147	chr25	18863851	18864406	-46335	intron (NM_200118, intron 10 of 11)	NM_194380	dusp6	7.149650136	1.251205952	5.898444184	2.05E-21
peak_1715	chr3	25423164	25423559	-46748	intron (NM_001114426, intron 4 of 19)	NM_212612	ddx5	6.117628607	0.219835396	5.897793211	6.76E-19
peak_2124	chr4	9882456	9883113	8315	intron (NM_001045067, intron 10 of 21)	NM_001045067	si:dkey-207j16.2	8.51421098	2.617743296	5.896467684	1.34E-17
peak_1650	chr3	17243815	17244220	-15423	Intergenic	NM_201501	rab5c	6.115410482	0.219835396	5.895575086	4.19E-19
peak_1417	chr24	22379847	22380376	36656	intron (NM_001014829, intron 13 of 29)	NM_001014829	flt1	7.349337921	1.453857079	5.895480842	4.65E-20
peak_4880	chr21	5057164	5057691	30893	intron (NM_131441, intron 4 of 22)	NM_131441_1	notch1a	8.248968414	2.355004635	5.893963779	1.64E-12
peak_2983	chr6	1055093	1055754	-98442	Intergenic	NM_001245966	zeb2b	7.888625451	1.994825282	5.893800169	1.90E-15
peak_1669	chr15	19869455	19869845	8011	exon (NM_001008574, exon 5 of 12)	NM_001008574	usp2a	6.113506514	0.219835396	5.893671118	4.79E-19
peak_4761	chr9	30078747	30079283	-6237	Intergenic	NM_199594	tmem177	8.761568175	2.87100026	5.890567915	1.12E-12
peak_1784	chr3	54087016	54087259	16010	Intergenic	NM_214779	nr5a5	6.110309073	0.219835396	5.890473677	1.07E-18
peak_1701	chr14	3039065	3039709	42388	intron (NM_001024201_1, intron 1 of 2)	NM_001024201_1	pcdh2g29	7.496441	1.606593419	5.889847581	5.98E-19
peak_1161	chr15	26375325	26375718	98689	intron (NM_200622, intron 15 of 24)	NM_200622	bcas3	6.792414028	0.902938058	5.88947597	2.43E-21
peak_1686	chr2	50214929	50215477	64515	Intergenic	NM_001083865	sema4e	6.108398356	0.219835396	5.88856296	5.59E-19
peak_1186	chr13	18297547	18297989	-52853	Intergenic	NM_205549	slc25a16	6.713131524	0.825787209	5.887344314	3.49E-21
peak_1680	chr23	16859465	16859787	3389	exon (NM_001005594, exon 3 of 4)	NM_001005594	fkbp1ab	6.105527527	0.219835396	5.885692131	5.31E-19
peak_1848	chr17	25016946	25017384	1338	exon (NM_001114588, exon 2 of 4)	NM_001114588	cln8	7.720778176	1.83517185	5.885606326	1.83E-18

peak_5030	chr8	51850043	51851088	139033	Intergenic	NM_213072	gkap1	9.302989497	3.418455905	5.884533593	2.41E-12
peak_13755	chr25	28541568	28547605	-56611	Intergenic	NM_001080671	hyal6	9.771917151	3.887506677	5.884410474	6.84E-07
peak_1871	chr17	38149944	38150302	-47722	intron (NM_001077519, intron 12 of 29)	NM_001076632	slc25a21	6.103272047	0.219835396	5.883436651	2.21E-18
peak_4500	chr13	44171926	44172700	56667	intron (NM_001114316, intron 6 of 22)	NM_001114316	ablim1a	9.37318783	3.489970883	5.883216947	5.32E-13
peak_1801	chr12	23890896	23891445	-11179	Intergenic	NM_001007151	shbg	6.102970874	0.219835396	5.883135478	1.30E-18
peak_1727	chr20	2104483	2104937	-41778	Intergenic	NM_001245964	l3mbtl3	7.489218037	1.606593419	5.882624618	7.48E-19
peak_1874	chr13	25764719	25765247	7789	exon (NM_212578, exon 13 of 16)	NM_212578	mcmbp	6.10201096	0.219835396	5.882175564	2.24E-18
peak_1683	chr13	2740996	2741368	103293	Intergenic	NM_001161598	si:ch211-239i4.3	6.09910867	0.219835396	5.879273274	5.46E-19
peak_3009	chr23	8912828	8913657	-73289	Intergenic	NM_200986	tcea2	10.53644227	4.657274053	5.879168217	2.12E-15
peak_1687	chr22	16277770	16278095	34035	Intergenic	NM_001007386	dph5	6.097825209	0.219835396	5.877989814	5.65E-19
peak_1776	chr24	3438142	3438456	-17914	Intergenic	NM_001033726	zgc:113390	6.095576403	0.219835396	5.875741007	1.03E-18
peak_1775	chr17	25423874	25424160	4530	Intergenic	NR_110414		6.095576403	0.219835396	5.875741007	1.03E-18
peak_909	chr16	24353096	24353582	12110	exon (NM_001114318, exon 9 of 9)	NM_001114318	il6r	7.676663095	1.801217016	5.875446079	5.96E-23
peak_1673	chr1	23896012	23896390	138250	Intergenic	NM_001130587	tmem154	6.565520952	0.691124799	5.874396152	4.94E-19
peak_1881	chr3	36759642	36759994	7080	intron (NM_199963, intron 9 of 10)	NM_001271773	si:ch1073-443f11	6.093967964	0.219835396	5.874132568	2.35E-18
peak_1003	chr11	44217931	44218331	-49758	Intergenic	NM_212914	foxg1b	7.275592362	1.402722361	5.872870002	2.79E-22
peak_4249	chr13	34637343	34637867	-275502	intron (NM_200549, intron 8 of 19)	NM_001100953	tasp1	8.102476997	2.229879429	5.872597568	2.30E-13
peak_1736	chr21	10401415	10401772	-7385	Intergenic	NM_201217	nop56	6.092338931	0.219835396	5.872503535	7.88E-19
peak_1737	chr25	30610554	30610854	-41339	Intergenic	NM_001034978	pim3	6.092338931	0.219835396	5.872503535	7.88E-19
peak_2052	chr1	24603791	24604123	3282	exon (NM_001278845, exon 5 of 14)	NM_001278845	map9	6.092035467	0.219835396	5.872200071	8.90E-18
peak_1723	chr1	46502831	46503217	73897	exon (NM_001008624, exon 12 of 21)	NM_001008624	arhgef7b	6.092016664	0.219835396	5.872181268	7.30E-19
peak_2180	chr15	4022947	4023379	-37021	Intergenic	NM_199855	rnf168	6.091068246	0.219835396	5.871232851	1.95E-17
peak_2102	chr7	72034882	72035705	-118832	Intergenic	NM_001080067	elp5	8.389845292	2.521181739	5.868663553	1.18E-17
peak_2005	chr5	61277159	61277481	25477	exon (NM_001127307, exon 4 of 9)	NM_001127307	dtx2	6.088124983	0.219835396	5.868289587	6.71E-18
peak_1770	chr21	35630949	35631303	86715	Intergenic	NM_001122621	mrpl22	6.087820631	0.219835396	5.867985235	9.85E-19
peak_1986	chr1	33158583	33159037	31714	Intergenic	NM_200909	creb1a	6.084584588	0.219835396	5.864749192	5.68E-18
peak_1728	chr6	59374471	59374835	-14043	Intergenic	NM_001033751	fam210b	6.083269219	0.219835396	5.863433823	7.64E-19
peak_2183	chr9	13424143	13424505	27507	intron (NM_001128362, intron 2 of 7)	NM_001128362	si:dkey-56k23.2	6.08296384	0.219835396	5.863128445	1.98E-17
peak_789	chr21	11468328	11468767	-34971	Intergenic	NM_001040036	adora2ab	7.454970025	1.592139519	5.862830506	9.48E-24
peak_1933	chr5	18209885	18210516	40188	intron (NM_001080199, intron 21 of 21)	NM_001080199	piwil2	6.347695481	0.48510786	5.862587621	3.86E-18
peak_1470	chr23	45954472	45954887	12192	intron (NM_130919_1, intron 3 of 3)	NM_001114453	zgc:175128	7.316392953	1.453857079	5.862535875	8.35E-20
peak_2345	chr13	16346981	16347321	18288	intron (NM_183410, intron 3 of 14)	NM_181765	anxa11a	6.08166593	0.219835396	5.861830534	6.14E-17
peak_1721	chr22	16709466	16709788	6898	intron (NM_001017879, intron 7 of 7)	NM_001017879	stx6	6.081646992	0.219835396	5.861811596	7.16E-19
peak_1782	chr1	51008753	51009139	26101	intron (NM_001128699, intron 10 of 11)	NM_001128699	papss1	6.079697909	0.219835396	5.859862513	1.07E-18
peak_1850	chr22	23543726	23544114	-16078	Intergenic	NM_001002662	rgs2	6.078397056	0.219835396	5.85856166	1.83E-18
peak_1759	chr8	20691510	20691871	-4182	Intergenic	NM_001126379	acsbg2	6.075120758	0.219835396	5.855285362	8.97E-19
peak_2352	chr3	39311386	39312298	-11769	Intergenic	NM_001099423	plcd3a	8.618362802	2.763431702	5.854931099	6.42E-17
peak_1740	chr5	41087893	41088197	-8108	Intergenic	NM_001044709	antxr2a	6.07381577	0.219835396	5.853980374	8.04E-19
peak_872	chr3	59624239	59624711	38200	intron (NM_001285388, intron 8 of 15)	NM_001285388	si:ch73-281f12.4	7.061494943	1.207700457	5.853794485	3.39E-23
peak_1743	chr15	30335369	30335744	5179	intron (NM_001001817, intron 9 of 14)	NM_200072	lgals9l1	6.073162832	0.219835396	5.853327437	8.31E-19
peak_2506	chr5	41780160	41780478	55258	Intergenic	NM_001100034	si:dkey-193c22.1	6.072528658	0.219835396	5.852693262	1.53E-16
peak_1768	chr7	27114229	27114602	-41186	intron (NM_201124, intron 9 of 14)	NM_199618	alox12	6.072182872	0.219835396	5.852347476	9.75E-19
peak_2318	chr6	7182550	7183029	16411	intron (NM_001001501, intron 9 of 17)	NM_001001501	dzip1	8.242872239	2.390785536	5.852086703	5.47E-17
peak_1777	chr10	33401413	33401730	47524	intron (NM_201069, intron 6 of 14)	NM_201069	uvrag	6.071856071	0.219835396	5.852020675	1.06E-18
peak_1260	chr8	55203376	55203757	32974	intron (NM_212609, intron 1 of 11)	NM_212609	gnb1a	6.754958636	0.902938058	5.852020577	8.74E-21
peak_1983	chr23	8922049	8922551	-82347	Intergenic	NM_200986	tcea2	7.41796204	1.567723154	5.850238886	5.52E-18
peak_2503	chr6	18196854	18197208	39108	intron (NM_200375, intron 6 of 7)	NM_200375	stx8	6.539744563	0.691124799	5.848619764	1.51E-16
peak_1372	chr19	32530768	32531296	56216	Intergenic	NM_200318	arl4ab	8.368732548	2.522298291	5.846434256	2.98E-20
peak_1328	chr9	56213229	56213652	15262	Intergenic	NM_001130697	tmsb4x	6.554555889	0.709096771	5.845459118	1.65E-20
peak_1773	chr7	65412006	65412523	52731	Intergenic	NM_001017616	lypla1	6.064299967	0.219835396	5.844464571	1.01E-18
peak_1830	chr9	6115978	6116297	-7375	Intergenic	NM_001159914	st6gal2a	6.062656257	0.219835396	5.842820861	1.58E-18
peak_2883	chr6	19839345	19840438	-41233	Intergenic	NM_001083008	zgc:158654	9.959325799	4.117497551	5.841828248	1.21E-15
peak_2885	chr16	46968356	46969047	11669	intron (NM_001039635, intron 1 of 7)	NM_001039635	zfpm2a	8.900159479	3.058481639	5.84167784	1.23E-15
peak_1866	chr3	31988131	31988798	27731	Intergenic	NM_001109833	zgc:171779	6.395071877	0.554393687	5.84067819	2.10E-18
peak_1804	chr7	34264814	34265140	32728	Intergenic	NM_001045848	zgc:153225	6.059014253	0.219835396	5.839178857	1.36E-18
peak_3899	chr11	19162679	19163365	-37381	Intergenic	NM_131245	id1	9.15224815	3.314148987	5.838099163	7.25E-14
peak_1781	chr12	37487119	37487482	63515	Intergenic	NM_131724	map2k6	6.056704079	0.219835396	5.836868683	1.06E-18
peak_1207	chr20	21492562	21493101	29475	intron (NM_131862, intron 3 of 25)	NM_131862	jag2b	6.661827743	0.825787209	5.836040534	4.60E-21
peak_1310	chr12	8074232	8074643	-41797	Intergenic	NM_001005602	phyhiplb	6.526632891	0.691124799	5.835508092	1.43E-20
peak_1873	chr8	26204696	26205012	-72	promoter-TSS (NM_001002403)	NM_001002403	dnase1l3l	6.05372841	0.219835396	5.833893014	2.23E-18
peak_603	chr21	9185579	9186471	2368	intron (NM_001163923_1, intron 2 of 4)	NM_001163923_1	ccbe1	8.574117831	2.74139695	5.832720881	1.56E-25
peak_1814	chr5	51240698	51240992	-286728	Intergenic	NM_131180	nr2f1a	6.047074358	0.219835396	5.827238963	1.42E-18
peak_2225	chr4	8285028	8285341	-18156	Intergenic	NM_001017706	hcfc2	6.047054961	0.219835396	5.827219565	2.55E-17
peak_1333	chr16	25130724	25131206	84727	Intergenic	NM_001003997	flad1	7.697092362	1.871652568	5.825439794	1.75E-20
peak_1903	chr7	55068671	55069131	32883	intron (NM_200989, intron 2 of 10)	NM_200989	pacsin3	7.393003355	1.567723154	5.825280201	2.80E-18
peak_2001	chr11	33309160	33309466	226188	Intergenic	NM_001160822	pcdh17	6.045058546	0.219835396	5.82522315	6.56E-18
peak_1929	chr3	19797712	19798065	-3669	Intergenic	NM_001007051	vat1	6.044059302	0.219835396	5.824223906	3.81E-18
peak_1985	chr2	7562684	7563077	-21266	exon (NM_200609, exon 7 of 14)	NM_001100045	b3gnt5b	6.043745509	0.219835396	5.823910114	5.61E-18
peak_1855	chr18	27257804	27258184	2927	intron (NM_200194, intron 3 of 4)	NM_200194	zgc:56106	6.042392356	0.219835396	5.82255696	1.96E-18
peak_1478	chr2	39055394	39055760	242937	intron (NM_001159839, intron 2 of 16)	NM_001159839	clstn2	6.297049966	0.474639816	5.82241015	8.99E-20
peak_8515	chr10	16434374	16435444	-17514	Intergenic	NM_001077386	slc27a6	8.73015797	2.909201936	5.820956034	2.15E-09
peak_1970	chr5	66015094	66015994	-153785	Intergenic	NM_001039813	adora2b	7.538764519	1.719076102	5.819688417	5.08E-18
peak_1257	chr8	44044751	44045252	233973	Intergenic	NM_001017996	gfra2a	6.865093929	1.045780477	5.819313452	8.66E-21
peak_1215	chr17	41296559	41297270	55856	intron (NM_001017777, intron 4 of 11)	NM_001017777	bre	7.286642713	1.468301591	5.818341122	4.95E-21
peak_1893	chr1	7600151	7600487	2912	exon (NM_001076648, exon 2 of 5)	NM_001076648	mief2	6.037045147	0.219835396	5.817209751	2.58E-18
peak_7012	chr14	14043723	14044434	11104	Intergenic	NM_001159584	itln3	8.480243103	2.663703566	5.816539537	1.74E-10
peak_1262	chr2	41577212	41577731	5920	intron (NM_131345, intron 3 of 11)	NM_131345	acvr1l	6.719428743	0.902938058	5.816490685	9.02E-21
peak_894	chr15	22700444	22700846	-4376	Intergenic	NM_001012367	mcamb	7.291851631	1.475978232	5.815873399	4.90E-23
peak_1964	chr11	13336246	13336666	-15812	Intergenic	NM_001002191	mob3c	6.035685691	0.219835396	5.815850295	4.77E-18
peak_5189	chr20	44946520	44947205	243038	Intergenic	NM_001013534	zgc:103511	9.206105555	3.390885812	5.815219744	3.71E-12
peak_1910	chr20	26080566	26080923	-3345	exon (NM_001030286, exon 12 of 15)	NM_001134362	gtf2h5	6.034679932	0.219835396	5.814844536	3.02E-18
peak_1657	chr24	29323935	29324362	17821	Intergenic	NM_001003775	nrros	8.157851398	2.343579883	5.814271515	4.35E-19
peak_1835	chr10	11205398	11205770	-25615	Intergenic	NM_199599	hsdl2	6.032330429	0.219835396	5.812495034	1.66E-18
peak_1834	chr1	36634579	36634888	-154471	Intergenic	NM_001130767	prmt9	6.032330429	0.219835396	5.812495034	1.66E-18
peak_2564	chr17	33158552	33159065	-89800	Intergenic	NM_131405	prox1a	8.514511613	2.702868206	5.811643407	2.04E-16
peak_1872	chr20	26275384	26275699	137434	Intergenic	NM_152959	esr1	6.029304008	0.219835396	5.809468612	2.22E-18
peak_1326	chr4	2843619	2844110	-27527	Intergenic	NM_213494	aebp2	6.686220192	0.87932337	5.806896822	1.64E-20
peak_1947	chr14	3031098	3031538	34319	intron (NM_001024201_1, intron 1 of 2)	NM_001024201_1	pcdh2g29	6.02658884	0.219835396	5.806753444	4.31E-18
peak_7561	chr11	4281123	4282175	-43767	Intergenic	NM_001020570	zgc:110191	8.569430855	2.763170291	5.806260565	4.87E-10
peak_2167	chr18	22906209	22906537	-68208	Intergenic	NM_131301	mef2aa	6.025258877	0.219835396	5.805423482	1.84E-17
peak_1432	chr20	14795960	14796287	3710	intron (NM_001128524, intron 13 of 19)	NR_030743		6.359571888	0.554393687	5.805178202	5.53E-20
peak_1846	chr13	46714293	46714987	-30474	Intergenic	NM_213133	marcksl1a	7.411101934	1.606593419	5.804508515	1.79E-18
peak_2309	chr7	59261591	59261916	82143	intron (NM_001006063, intron 1 of 6)	NM_001006063	ank2b	6.023907976	0.219835396	5.804072581	5.19E-17
peak_1751	chr17	33288056	33288372	-75894	Intergenic	NM_001012313	snx9a	6.288323287	0.48510786	5.803215427	8.75E-19
peak_1858	chr4	19658676	19658969	-89865	Intergenic	NM_001045143	nav3	6.02185951	0.219835396	5.802024115	1.97E-18
peak_2023	chr1	18664177	18664750	-77169	Intergenic	NM_205685	grhprb	7.408501011	1.606593419	5.801907592	7.39E-18
peak_2292	chr15	3825900	3826280	-6765	Intergenic	NM_001002671	clrn1	6.021501363	0.219835396	5.801665967	4.57E-17
peak_1504	chr5	4220153	4220539	84431	Intergenic	NM_173238	srrt	6.492539538	0.691124799	5.801414739	1.18E-19
peak_846	chr5	34516275	34516701	-7879	Intergenic	NM_200801	pole3	7.682567446	1.883571173	5.798996273	2.41E-23
peak_2036	chr15	28922276	28922566	13262	intron (NM_001128669, intron 9 of 15)	NM_001128669	samsn1a	6.018132702	0.219835396	5.798297306	7.92E-18
peak_2069	chr23	22803562	22803886	13721	intron (NM_001025460, intron 1 of 2)	NM_001025460	spsb1	6.017793423	0.219835396	5.797958028	9.70E-18
peak_1912	chr25	37639147	37639461	151744	Intergenic	NM_213100_1	irx3b	6.016755299	0.219835396	5.796919903	3.14E-18
peak_1493	chr22	23156683	23157088	-55872	Intergenic	NM_001199191	cfhl3	6.699832016	0.902938058	5.796893958	1.06E-19
peak_1895	chr22	17352153	17352523	9716	intron (NM_001137658, intron 8 of 35)	NM_001137658	frem1b	6.016076013	0.219835396	5.796240618	2.60E-18
peak_1878	chr24	20837772	20838086	11796	3' UTR (NM_001105691, exon 13 of 13)	NM_001177492	LOC100334155	6.015396408	0.219835396	5.795561012	2.28E-18

peak_1870	chr16	14535407	14535838	25685	Intergenic	NM_001079953	isoc2	6.015056485	0.219835396	5.79522109	2.18E-18
peak_1867	chr9	25476931	25477351	-31252	Intergenic	NM_001128365	tmeff2a	6.014716482	0.219835396	5.794881087	2.12E-18
peak_3082	chr14	7053379	7053834	38308	Intergenic	NM_001111226	hbegfa	7.744412943	1.950187435	5.794225508	2.81E-15
peak_1266	chr18	20147041	20147392	91832	Intergenic	NM_131355	kif23	6.932149473	1.138073908	5.794075565	9.80E-21
peak_1580	chr24	34548455	34548904	-30030	exon (NM_001114440, exon 12 of 23)	NM_001128775	zgc:195173	6.278427509	0.48510786	5.793319649	2.28E-19
peak_1060	chr3	53738176	53738658	-7886	Intergenic	NM_001003578	lpar2a	7.46173532	1.670405631	5.791329689	6.22E-22
peak_2101	chr2	10990102	10990652	-6723	Intergenic	NM_001003980	lhx8a	7.017803321	1.226539182	5.791264139	1.16E-17
peak_1653	chr24	82728	83913	38307	Intergenic	NM_001045561	zgc:152808	6.836862493	1.045780477	5.791082016	4.23E-19
peak_2068	chr14	798342	798642	9193	intron (NM_212882, intron 8 of 12)	NM_194364	adra2da	6.010269238	0.219835396	5.790433843	9.66E-18
peak_8507	chr8	16031967	16033144	-210076	Intergenic	NM_001017814	spata6	10.11870492	4.328973576	5.789731342	2.12E-09
peak_1940	chr8	8552238	8552800	-38400	intron (NM_001122628_1, intron 1 of 1)	NM_001111186	abcd1	8.579661934	2.790858505	5.788803429	4.16E-18
peak_1948	chr18	20452145	20452547	2486	intron (NM_200230, intron 3 of 12)	NM_200230	asz1	6.008562765	0.219835396	5.78872737	4.32E-18
peak_1930	chr17	32209584	32209921	305270	Intergenic	NM_001013327	mettl10	6.008221228	0.219835396	5.788385833	3.82E-18
peak_1390	chr15	19115171	19115742	-28650	Intergenic	NM_001083838	med13b	7.465976851	1.67782614	5.788150711	3.46E-20
peak_1572	chr17	47971269	47972189	-917	promoter-TSS (NM_001006009)	NM_001006009	zgc:103755	7.775514697	1.987480894	5.788033803	2.17E-19
peak_1995	chr10	35844488	35845028	-44394	Intergenic	NM_001077549	dclk1a	7.622677134	1.83517185	5.787505283	6.04E-18
peak_944	chr18	39538287	39538787	34045	Intergenic	NM_001076747	fbxo36a	7.486032979	1.700462435	5.785570544	9.11E-23
peak_1908	chr22	21117754	21118236	-36041	Intergenic	NM_001007779	amh	6.003773875	0.219835396	5.783938479	2.97E-18
peak_3785	chr8	28585122	28586082	-10891	Intergenic	NM_001044344	wnt2bb	9.831030181	4.047830386	5.783199795	4.78E-14
peak_2173	chr7	39305215	39305847	5962	intron (NM_200889, intron 3 of 14)	NM_200889	heatr3	7.495832091	1.713875669	5.781956423	1.91E-17
peak_1566	chr24	29647097	29647743	-13719	Intergenic	NM_001111172	olfm3a	7.146531891	1.364650599	5.781881292	2.09E-19
peak_9694	chr23	36006026	36006626	36252	intron (NM_131339, intron 3 of 7)	NM_131339	rarga	8.861077816	3.079358412	5.781719404	1.07E-08
peak_2060	chr14	30719489	30719879	-50046	Intergenic	NM_001042718	pdlim3b	7.454210674	1.673255946	5.780954728	9.29E-18
peak_4465	chr24	24843940	24844409	35403	intron (NM_001083026, intron 2 of 20)	NM_001083026	rps6ka3b	8.010028323	2.229879429	5.780148893	4.90E-13
peak_1920	chr21	34111746	34112043	-63362	Intergenic	NM_001089471	adrb2b	5.998605159	0.219835396	5.778769763	3.44E-18
peak_1906	chr12	9841602	9841926	-1	promoter-TSS (NM_213300)	NM_213300	exoc6	5.997573204	0.219835396	5.777737809	2.89E-18
peak_1904	chr12	37817776	37818311	102432	Intergenic	NM_001110465	dnai2a	5.996196116	0.219835396	5.776360721	2.84E-18
peak_1907	chr10	7985237	7985571	-13301	Intergenic	NM_201085	hmgcs1	5.995851639	0.219835396	5.776016243	2.94E-18
peak_4563	chr15	1371491	1372058	-21273	Intergenic	NM_001017906	schip1	8.028120436	2.25221264	5.775907796	6.40E-13
peak_943	chr3	53079989	53080688	-86290	Intergenic	NM_001166291	ptger1c	7.506895353	1.731514499	5.775380854	9.11E-23
peak_1918	chr7	65468693	65469348	101071	Intergenic	NM_200380	chmp5b	7.34309887	1.567723154	5.775375716	3.41E-18
peak_787	chr5	72228061	72228550	71050	Intergenic	NM_001025178	isca1	7.683762889	1.909454469	5.77430842	9.13E-24
peak_1951	chr5	32965000	32965275	-23405	Intergenic	NM_001014339	camkk1	5.994128016	0.219835396	5.774292621	4.38E-18
peak_2061	chr9	16371827	16372212	-106417	Intergenic	NM_200144	upp2	5.992402332	0.219835396	5.772566937	9.31E-18
peak_1953	chr8	10658958	10659230	246397	Intergenic	NM_001126470	kcnd1	5.990308607	0.219835396	5.770473211	4.55E-18
peak_1574	chr6	32165858	32166368	-62272	Intergenic	NM_199579	usp1	6.672250583	0.902938058	5.769312524	2.23E-19
peak_2638	chr20	21345217	21345598	4217	intron (NM_001044888, intron 1 of 4)	NM_001044888	nudt14	5.987559406	0.219835396	5.767724011	3.19E-16
peak_1793	chr24	4862315	4862799	-17153	Intergenic	NM_001110021	cpb1	6.67052496	0.902938058	5.767586901	1.17E-18
peak_923	chr17	31031740	31032278	3072	intron (NM_199519, intron 1 of 12)	NM_199519	evla	7.7360601	1.968954665	5.767105435	7.12E-23
peak_1444	chr21	11344815	11345173	-7614	Intergenic	NM_001098488	spna2	6.993610528	1.226539182	5.767071346	6.18E-20
peak_2279	chr19	31901255	31901588	22408	intron (NM_001003606, intron 2 of 11)	NM_001003606	fam49a	5.985438392	0.219835396	5.765602996	3.99E-17
peak_1976	chr20	26657804	26658087	-4369	Intergenic	NM_200604	exoc2	5.985111585	0.219835396	5.765276189	5.37E-18
peak_940	chr1	24649514	24649989	8550	exon (NM_001017725, exon 6 of 6)	NM_001017725	gucy1a3	7.821245349	2.056601782	5.764643568	8.95E-23
peak_2125	chr11	8114507	8114873	157561	Intergenic	NM_001080595	ttll7	5.983702276	0.219835396	5.76386688	1.37E-17
peak_4584	chr20	21495375	21496402	32532	intron (NM_131862, intron 3 of 25)	NM_131862	jag2b	8.877292655	3.114277673	5.763014981	6.78E-13
peak_2161	chr13	5285341	5285685	-39567	Intergenic	NM_131893	meis1	5.982679886	0.219835396	5.76284449	1.78E-17
peak_1344	chr14	23230056	23230482	55204	intron (NM_001024387, intron 4 of 9)	NM_001024387	gabrb2	6.665526994	0.902938058	5.762588935	1.99E-20
peak_1969	chr15	33158773	33159071	3937	intron (NM_203421, intron 2 of 20)	NM_203421	postnb	5.981268198	0.219835396	5.761432803	4.99E-18
peak_1934	chr4	10983548	10984032	-43335	Intergenic	NM_001045002	btbd11a	5.978132624	0.219835396	5.758297228	3.90E-18
peak_1988	chr18	29554304	29554636	202261	Intergenic	NM_131844	maf	5.976387689	0.219835396	5.756552293	5.85E-18
peak_1573	chr1	17898700	17899185	58289	exon (NM_001166048, exon 21 of 33)	NM_001166048	ptprdb	7.823085509	2.067728465	5.755357044	2.20E-19
peak_2084	chr21	7032340	7032641	-64121	Intergenic	NM_001003459	crhbp	5.974990219	0.219835396	5.755154824	1.05E-17
peak_2109	chr18	15961346	15961687	55542	Intergenic	NM_001045074	alx1	5.974270575	0.219835396	5.75443518	1.21E-17
peak_2243	chr15	8260220	8260686	-8153	Intergenic	NM_001040313	zgc:136739	5.973241477	0.219835396	5.753406081	2.90E-17
peak_4625	chr16	52007790	52008297	-39585	Intergenic	NM_001110524	brd2b	8.004282736	2.25221264	5.752070096	7.68E-13
peak_2541	chr12	36756465	36756879	-108154	Intergenic	NM_200770	fscn2b	5.970789671	0.219835396	5.750954275	1.82E-16
peak_5797	chr9	47349753	47350159	-208910	Intergenic	NM_001039358	hdac4	8.193435595	2.443352351	5.750083244	1.50E-11
peak_4301	chr15	30670475	30671268	-1105	Intergenic	NM_131747	or111-4	8.550632773	2.801474656	5.749158117	2.68E-13
peak_2236	chr1	15399469	15399851	7200	intron (NM_200577, intron 8 of 13)	NM_200577	asah1b	5.966535835	0.219835396	5.746700439	2.75E-17
peak_7513	chr7	17171251	17171907	57365	intron (NM_001017735, intron 4 of 6)	NM_001017735	mpped2a	9.624909761	3.878673565	5.746236196	4.44E-10
peak_2122	chr1	14029884	14030187	44607	Intergenic	NM_001045485	pi4k2b	5.965853003	0.219835396	5.746017607	1.33E-17
peak_2740	chr18	48122031	48123012	22670	Intergenic	NM_001007334	yif1b	7.609645522	1.863651775	5.745993747	5.40E-16
peak_2145	chr4	17178717	17179047	90713	intron (NM_001100017, intron 5 of 25)	NM_001100017	anks1b	5.965480676	0.219835396	5.745645281	1.53E-17
peak_2144	chr2	22471244	22471562	6967	exon (NM_212723, exon 8 of 14)	NM_212723	mknk2a	5.965480676	0.219835396	5.745645281	1.53E-17
peak_4208	chr10	38575146	38575767	97222	Intergenic	NM_001077461	cuedc1a	8.630311439	2.884822533	5.745488906	2.05E-13
peak_186	chr5	50049686	50050356	-7085	Intergenic	NM_001130962	mef2cb	9.573080776	3.827972793	5.745107983	9.22E-34
peak_2714	chr7	26325046	26325507	22446	intron (NM_001076730, intron 1 of 21)	NM_001076730	exoc6b	8.286431476	2.54248583	5.743945646	4.81E-16
peak_1974	chr10	17232917	17233224	-49749	Intergenic	NM_201031_1	stoml2	5.962310563	0.219835396	5.742475167	5.32E-18
peak_2490	chr1	29444209	29444814	5	promoter-TSS (NM_001089374)	NM_001089374	LOC557028	7.868418126	2.127744164	5.740673962	1.42E-16
peak_1817	chr7	33991612	33992051	1686	intron (NM_198062, intron 3 of 5)	NM_198062	spi1b	7.231101535	1.490687863	5.740413672	1.45E-18
peak_2013	chr10	9474600	9474985	11605	intron (NM_001004015, intron 4 of 8)	NM_001004015	lhx6	5.958780025	0.219835396	5.738944629	7.00E-18
peak_2030	chr13	26094538	26094870	17607	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	5.958426495	0.219835396	5.7385911	7.84E-18
peak_2031	chr16	27970255	27970606	-29952	Intergenic	NM_001128252	zgc:172162	5.958426495	0.219835396	5.7385911	7.84E-18
peak_2032	chr6	52556967	52557307	-38938	Intergenic	NM_001076755	uqcc1	5.958426495	0.219835396	5.7385911	7.84E-18
peak_2053	chr25	27689924	27690209	9712	Intergenic	NM_200283	neil1	5.958072879	0.219835396	5.738237483	8.91E-18
peak_1368	chr18	21367993	21368412	52744	intron (NM_001030195, intron 8 of 8)	NM_001144815	LOC100004247	6.640338389	0.902938058	5.737400331	2.82E-20
peak_6245	chr9	45120605	45121397	234572	Intergenic	NM_001089474	cerkl	8.238635455	2.501824256	5.736811199	4.12E-11
peak_2187	chr1	44369974	44370346	13371	Intergenic	NM_199812	zgc:66472	5.956303497	0.219835396	5.736468102	2.07E-17
peak_2277	chr1	45748692	45749027	-45402	Intergenic	NM_001256730	emp1	5.955240826	0.219835396	5.73540543	3.96E-17
peak_2306	chr5	14225358	14225730	63418	Intergenic	NM_001003780	ypel1	5.954886428	0.219835396	5.735051032	5.03E-17
peak_960	chr14	50939176	50939782	-39573	Intergenic	NM_001002065_1	ppid	8.60879445	2.874153513	5.734640937	1.11E-22
peak_1081	chr23	9142082	9142785	46378	Intergenic	NM_001012253	xkr7	9.29852325	3.564652169	5.733871082	8.06E-22
peak_2593	chr10	16967753	16968132	-13022	Intergenic	NM_213164	ywhah	5.95275821	0.219835396	5.732922815	2.53E-16
peak_1315	chr10	27238782	27239250	5616	intron (NM_199217, intron 1 of 5)	NM_199217	fhl1b	7.149786904	1.41740675	5.732380154	1.49E-20
peak_2764	chr24	24831633	24832101	47710	intron (NM_001083026, intron 2 of 20)	NM_001083026	rps6ka3b	5.951692923	0.219835396	5.731857527	6.27E-16
peak_2016	chr11	22071400	22071666	-20256	Intergenic	NM_201303	mapkapk2a	5.950250571	0.219835396	5.730415176	7.03E-18
peak_2197	chr18	22224626	22225064	28083	intron (NM_001100035, intron 5 of 6)	NM_001100035	rltpr	5.947403106	0.219835396	5.72756771	2.18E-17
peak_2231	chr19	6279110	6279404	2607	Intergenic	NM_131409	ft1	5.947046777	0.219835396	5.727211381	2.67E-17
peak_895	chr15	15604300	15604805	198403	Intergenic	NM_200639	flot2b	7.422839168	1.6959635	5.726875667	4.95E-23
peak_3349	chr24	1800558	1800967	341570	Intergenic	NM_001113644_4	zgc:172101	5.945935651	0.219835396	5.726100255	8.34E-15
peak_1685	chr24	9589505	9589876	92167	Intergenic	NM_001199738	topbp1	6.211017346	0.48510786	5.725909486	5.47E-19
peak_4697	chr22	22969276	22969917	117281	Intergenic	NM_131463	nr5a2	8.367068772	2.641362951	5.725705821	9.30E-13
peak_2938	chr18	24170770	24171398	89496	TTS (NR_120393)	NR_120393		7.632812487	1.907116997	5.725695489	1.57E-15
peak_2050	chr20	34490872	34491183	10688	TTS (NM_001202453)	NM_001202453	mettl11b	5.945242996	0.219835396	5.7254076	8.88E-18
peak_2007	chr1	45341027	45341512	43196	Intergenic	NM_001145559	si:dkey-9i23.15	5.943815015	0.219835396	5.72397962	6.78E-18
peak_1142	chr5	50639467	50639865	139080	intron (NM_001001845, intron 83 of 89)	NM_001080029	arrdc3a	7.01421625	1.291257929	5.722958321	1.94E-21
peak_2000	chr21	18622930	18623256	33168	exon (NM_214756, exon 14 of 22)	NM_214756	nnt	5.942743101	0.219835396	5.722907706	6.55E-18
peak_1225	chr20	26098508	26098897	-3075	Intergenic	NM_001082917	myct1	6.775420206	1.052834703	5.722585503	5.99E-21
peak_6365	chr16	18538949	18539832	-39061	Intergenic	NM_001003589	ccdc12	9.450947297	3.729016183	5.721931113	5.14E-11
peak_2044	chr9	38825941	38826299	18966	intron (NM_001113576, intron 2 of 16)	NM_001113576	pdia5	5.940954807	0.219835396	5.721119411	8.51E-18
peak_3842	chr24	20847498	20848145	21688	intron (NM_001105691, intron 10 of 12)	NM_001177492	LOC100334155	8.549107492	2.828809088	5.720298403	5.92E-14
peak_1398	chr15	16738986	16739374	-98856	Intergenic	NM_001020720	zgc:113279	6.598658493	0.87932337	5.719335124	3.70E-20
peak_2176	chr17	15405158	15405441	-17209	Intergenic	NM_001083827	col10a1a	5.938805923	0.219835396	5.718970527	1.92E-17
peak_2266	chr6	8129145	8129407	-15476	intron (NM_201582, intron 13 of 14)	NM_001113337	cyp27c1	5.937730279	0.219835396	5.717894883	3.47E-17
peak_2087	chr25	36274094	36274426	-38018	Intergenic	NM_001009982	slc17a6a	5.936273893	0.219835396	5.716438498	1.08E-17

peak_2445	chr8	24971619	24972001	-5375	Intergenic	NM_001077283	dclre1b	5.935935756	0.219835396	5.71610036	1.15E-16
peak_2037	chr13	24539708	24540035	-4351	Intergenic	NM_001126381	rab4a	5.934837003	0.219835396	5.715001607	8.00E-18
peak_1891	chr8	14795788	14796374	-40107	intron (NM_001245100, intron 3 of 14)	NM_001044945	sin3b	8.407731904	2.693871325	5.713860579	2.55E-18
peak_1490	chr9	47006951	47007347	99648	intron (NM_001039358, intron 18 of 24)	NM_001005956	twist2	6.908661156	1.19500324	5.713657916	1.04E-19
peak_2026	chr23	26915114	26915388	-58616	Intergenic	NM_001080679	zgc:158263	5.93339868	0.219835396	5.713563284	7.63E-18
peak_1437	chr9	39277013	39277555	56963	intron (NM_001115139, intron 7 of 38)	NM_001115139	clasp1a	6.786228919	1.07379276	5.712436159	5.87E-20
peak_6626	chr4	2282664	2283608	-41826	Intergenic	NM_201318	nap1l1	9.368867507	3.656533564	5.712333943	8.62E-11
peak_2475	chr3	36728092	36728505	-4499	exon (NM_001137666, exon 22 of 22)	NM_001007771	glyr1	5.931577743	0.219835396	5.711742347	1.30E-16
peak_4766	chr9	29347135	29347620	-39078	Intergenic	NM_001017818	creb1b	7.941228411	2.229879429	5.711348981	1.15E-12
peak_5359	chr25	13936359	13937729	6831	intron (NM_200833, intron 1 of 5)	NM_200833	snrkb	11.3559198	5.644620639	5.711299157	5.36E-12
peak_3439	chr20	26514689	26515228	-18046	intron (NM_001242996, intron 26 of 26)	NM_001281788	akap12b	7.705982993	1.994825282	5.711157711	1.17E-14
peak_3189	chr14	14044471	14045151	11837	Intergenic	NM_001159584	itln3	8.61651218	2.905998569	5.710513611	4.16E-15
peak_2281	chr4	17610734	17611097	-30180	Intergenic	NM_001045003	rint1	5.929775546	0.219835396	5.70994015	4.10E-17
peak_1681	chr8	27669708	27670006	-1532	Intergenic	NM_001126417	si:ch211-156j16.:	6.418710721	0.709096771	5.70961395	5.33E-19
peak_1491	chr5	67940748	67941078	2513	intron (NM_001077605, intron 1 of 1)	NM_001077605	fam78aa	6.400317558	0.691124799	5.709192759	1.06E-19
peak_4314	chr9	11826470	11827254	-233	promoter-TSS (NM_001080657)	NM_001080657	fev	8.593705964	2.884822533	5.708883431	2.83E-13
peak_2140	chr19	26330786	26331051	-72410	Intergenic	NM_212563	pard6gb	5.927609933	0.219835396	5.707774538	1.49E-17
peak_2458	chr8	33209361	33209727	-6877	Intergenic	NM_001002302	zgc:91897	5.926908422	0.219835396	5.707073026	1.19E-16
peak_1711	chr15	24140877	24141215	-8037	Intergenic	NM_001017651	gosr1	6.192162615	0.48510786	5.707054755	6.52E-19
peak_2104	chr8	29516583	29516919	1473	exon (NM_212902, exon 2 of 13)	NM_212902	slc13a3	5.926887339	0.219835396	5.707051944	1.19E-17
peak_1641	chr5	33979973	33980448	-2593	Intergenic	NM_001024435	c9	8.054954549	2.348237932	5.706716617	3.83E-19
peak_2088	chr11	25369379	25369744	-7765	exon (NM_001080582, exon 6 of 10)	NM_001044917	dvl1b	5.926525907	0.219835396	5.706690511	1.09E-17
peak_3938	chr13	6779349	6779957	65950	Intergenic	NM_001144794	exoc3l4	8.93682021	3.231907109	5.704913101	8.13E-14
peak_750	chr19	1871393	1872220	4805	intron (NM_198819, intron 1 of 28)	NM_198819	ptk2aa	8.62105542	2.916176794	5.704878626	4.34E-24
peak_1520	chr23	7470347	7470681	17149	Intergenic	NM_131235	gata5	6.395609492	0.691124799	5.704484693	1.39E-19
peak_1498	chr25	16807236	16807619	94255	Intergenic	NM_212847	tead1a	6.412787765	0.709096771	5.703690994	1.13E-19
peak_1676	chr8	25768904	25769234	49182	Intergenic	NM_001195196	kcnc4	6.581975467	0.87932337	5.702652097	5.20E-19
peak_6696	chr17	17694907	17695802	60449	Intergenic	NM_001020619	sptlc2a	8.260143707	2.558018336	5.702125371	9.78E-11
peak_1886	chr25	18560667	18561173	66675	Intergenic	NM_001018123	kitlga	7.066752458	1.364650599	5.702101859	2.48E-18
peak_3098	chr1	46490993	46491542	62140	intron (NM_001008624, intron 6 of 20)	NM_001008624	arhgef7b	7.60784332	1.907116997	5.700726323	2.86E-15
peak_1935	chr20	31549450	31549970	-26502	Intergenic	NM_001044819	sash1a	7.267750211	1.567723154	5.700027057	3.91E-18
peak_1469	chr24	2846425	2846935	145260	Intergenic	NM_001105594_1	fars2	6.579205489	0.87932337	5.69988212	8.20E-20
peak_5497	chr20	6960047	6960604	63340	Intergenic	NM_001168349_1	adcy1a	8.067258715	2.367686229	5.699572486	7.58E-12
peak_897	chr19	26240490	26241473	17527	intron (NM_212563, intron 2 of 2)	NM_212563	pard6gb	9.315950616	3.617321099	5.698629517	5.02E-23
peak_2107	chr6	30222698	30223083	39393	intron (NM_001110470, intron 1 of 22)	NM_001110470	wwc3	5.917075506	0.219835396	5.697240111	1.21E-17
peak_2092	chr2	43590113	43590496	19945	intron (NM_205674, intron 4 of 16)	NM_205674	nrp1b	5.916711607	0.219835396	5.696876211	1.13E-17
peak_1216	chr7	66528225	66528628	197887	Intergenic	NM_001077722	tpcn2	7.098787912	1.402722361	5.696065551	5.04E-21
peak_1381	chr19	20244725	20245126	17395	Intergenic	NM_001139462	snx10a	6.69367329	0.998175638	5.695497652	3.21E-20
peak_3871	chr3	29983183	29983897	38927	intron (NM_200641, intron 2 of 3)	NM_001001590	rpl3	8.972047106	3.276630081	5.695417025	6.73E-14
peak_3038	chr19	11704147	11704501	24571	Intergenic	NM_001001399	ssr2	5.914183006	0.219835396	5.694347611	2.37E-15
peak_4623	chr15	31788468	31789136	15924	Intergenic	NM_200860	arl4aa	9.54143787	3.847450041	5.693987829	7.57E-13
peak_1631	chr9	33912850	33913767	-22867	Intergenic	NM_001111147	hpx	7.812251295	2.119205485	5.69304581	3.48E-19
peak_2160	chr20	26094456	26094859	970	intron (NM_001082917, intron 1 of 1)	NM_001082917	myct1	5.912337638	0.219835396	5.692502242	1.76E-17
peak_1014	chr7	510261	510782	6139	intron (NM_001079984_1, intron 1 of 5)	NM_001079984_1	nrxn2b	7.274874422	1.582422503	5.692451919	3.22E-22
peak_3755	chr22	14042331	14042886	11558	intron (NM_205753, intron 1 of 5)	NM_205753	sh3bp4a	8.760751503	3.068477587	5.692273916	4.24E-14
peak_4743	chr22	36364698	36365462	122253	Intergenic	NM_001003610	nicn1	7.922000341	2.229879429	5.692120912	1.06E-12
peak_1746	chr5	37963920	37964354	-35286	Intergenic	NM_131805	efnb1	6.176709942	0.48510786	5.691602082	8.43E-19
peak_1531	chr18	22936299	22936771	-38046	Intergenic	NM_131301	mef2aa	6.764720309	1.07379276	5.690927549	1.54E-19
peak_1523	chr23	32429117	32429582	-32927	Intergenic	NM_001002173	nr4a1	6.917449925	1.226539182	5.690910743	1.47E-19
peak_1720	chr23	23491630	23492332	-18422	Intergenic	NM_001003830	noc2l	8.02278971	2.332063934	5.690725776	7.09E-19
peak_1428	chr4	8648545	8649137	5797	Intergenic	NM_001123281	cdnf	6.76410181	1.07379276	5.69030905	5.32E-20
peak_1449	chr10	1625949	1626287	37032	exon (NM_200156, exon 32 of 34)	NM_200156	nup155	6.576904302	0.887237959	5.689666343	6.69E-20
peak_2218	chr13	46710725	46711829	-33837	Intergenic	NM_213133	marcksl1a	10.03466875	4.345225366	5.689443388	2.51E-17
peak_1486	chr3	55905320	55905683	22144	exon (NM_001025534, exon 10 of 13)	NM_001082850	mpg	6.91434402	1.226539182	5.687804838	1.00E-19
peak_1758	chr5	71216200	71216532	1536	exon (NM_001007401_1, exon 2 of 2)	NM_001007401_1	b4galt4	6.161704301	0.474639816	5.687064485	8.96E-19
peak_2110	chr20	28324318	28324621	27927	intron (NM_001045119, intron 26 of 35)	NM_001110126	chac1	5.906830085	0.219835396	5.686994689	1.22E-17
peak_14467	chr21	29196040	29197573	15162	intron (NM_001077287, intron 1 of 18)	NM_001077287	afap1l1b	9.550955222	3.864406007	5.686549215	1.23E-06
peak_1643	chr25	21282888	21283344	29877	intron (NM_001077599, intron 1 of 12)	NM_001077599	csk	7.050902736	1.364650599	5.686252137	3.89E-19
peak_1030	chr22	39690286	39690934	-34126	Intergenic	NM_001272080	acy1	8.370859385	2.684722295	5.686137089	4.01E-22
peak_1443	chr6	36102424	36102859	-57640	Intergenic	NM_001102618	rhcg2a	6.588158543	0.902938058	5.685220485	6.11E-20
peak_4180	chr13	2314684	2315488	-94488	Intergenic	NM_199718	fbxo9	8.988458593	3.303837679	5.684620915	1.85E-13
peak_2174	chr5	14521961	14522315	-4143	Intergenic	NM_001003730	sdf2l1	5.903160956	0.219835396	5.68332556	1.92E-17
peak_2175	chr9	10169708	10170093	15821	Intergenic	NM_001080175	prmt2	5.903160956	0.219835396	5.68332556	1.92E-17
peak_2493	chr8	16997272	16997562	-13564	Intergenic	NM_001128408	rnf11b	5.903139523	0.219835396	5.683304127	1.44E-16
peak_1474	chr23	26272449	26272809	-8396	Intergenic	NM_001199101	wisp2	6.58541378	0.902938058	5.682475722	8.80E-20
peak_6801	chr9	31319389	31320241	-7629	Intergenic	NM_001014326	srpx	8.234544968	2.552474647	5.682070322	1.18E-10
peak_2405	chr10	3561179	3561750	33706	Intergenic	NM_001037412	zgc:123275	7.287785202	1.606593419	5.681191783	8.41E-17
peak_2263	chr14	34634807	34635138	-46218	Intergenic	NM_201032	xpnpep2	5.900565531	0.219835396	5.680730135	3.38E-17
peak_1211	chr9	26246104	26246769	-31481	Intergenic	NM_001017796	esd	7.062153181	1.381490339	5.680662842	4.67E-21
peak_11039	chr10	38670533	38671275	-162557	Intergenic	NM_212796	msi2a	8.912198075	3.231546658	5.680651418	5.12E-08
peak_2476	chr4	19899724	19900064	151207	intron (NM_001045143, intron 22 of 36)	NM_001045143	nav3	5.899482471	0.219835396	5.679647075	1.32E-16
peak_2380	chr1	51282655	51283113	64598	Intergenic	NM_001099240	zgc:154142	7.39221067	1.713875669	5.678335001	7.27E-17
peak_2150	chr23	18997536	18997949	-21459	Intergenic	NM_001007446	nsfl1c	5.89503432	0.219835396	5.675198924	1.58E-17
peak_2551	chr25	24787065	24787468	10573	exon (NM_131149, exon 8 of 13)	NM_131149	th	5.893903958	0.219835396	5.674068562	1.92E-16
peak_2390	chr8	17952703	17953080	82955	intron (NM_130935, intron 1 of 6)	NM_130935	skia	5.892424221	0.219835396	5.672588825	7.62E-17
peak_1389	chr19	18598013	18598427	9590	exon (NM_001102428, exon 5 of 13)	NM_001102428	dync1li1	8.141397444	2.468895051	5.672502393	3.45E-20
peak_2200	chr8	21664195	21664816	-6915	exon (NM_001171067, exon 4 of 7)	NM_001017700	magoh	7.239872343	1.567723154	5.672149189	2.20E-17
peak_2371	chr9	11081590	11081914	86083	Intergenic	NM_001002196	gmppaa	5.891335029	0.219835396	5.671499634	6.86E-17
peak_1783	chr5	55889861	55890285	-96407	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	6.155839497	0.48510786	5.670731637	1.07E-18
peak_1583	chr6	37706128	37706502	-8256	Intergenic	NM_001006062	nipa1	6.378768137	0.709096771	5.669671366	2.32E-19
peak_2626	chr17	45853537	45853912	31854	Intergenic	NM_001089383	zgc:162184	5.889110893	0.219835396	5.669275498	3.02E-16
peak_3292	chr14	27493191	27493703	13847	intron (NM_131368, intron 2 of 7)	NM_131368	smad5	8.605511196	2.936598729	5.668912467	6.61E-15
peak_3286	chr21	3565538	3565856	123672	Intergenic	NM_175082	smad7	5.888696574	0.219835396	5.668861179	6.46E-15
peak_1138	chr15	30524617	30525076	-14175	Intergenic	NM_001089373	cuedc1b	7.021680448	1.353267399	5.668413048	1.85E-21
peak_2157	chr13	30899608	30899858	24327	intron (NM_001009985, intron 4 of 10)	NM_001009985	rassf4	5.887975879	0.219835396	5.668140484	1.63E-17
peak_594	chr23	13696311	13696880	-19613	Intergenic	NR_030650		8.195545779	2.528839501	5.666706278	1.15E-25
peak_2153	chr23	25478315	25478647	-41269	Intergenic	NM_001014826	erbb3b	5.886490046	0.219835396	5.66665465	1.61E-17
peak_6485	chr18	41344324	41345188	20594	intron (NM_001167569, intron 2 of 5)	NM_001167569	pvrl1b	9.066762025	3.401943431	5.664818594	6.60E-11
peak_2559	chr21	38215937	38216234	-42836	Intergenic	NM_201346	pafah1b1b	5.884236707	0.219835396	5.664401311	1.99E-16
peak_1479	chr20	37934249	37934628	23425	Intergenic	NM_001029960	angel2	6.709144549	1.045780477	5.663364072	9.15E-20
peak_2336	chr14	40758900	40759247	-231513	Intergenic	NM_131782	glra4a	5.882396095	0.219835396	5.6625607	5.90E-17
peak_2335	chr13	13926100	13926477	58952	intron (NM_001145615, intron 5 of 27)	NM_001145615	atrn	5.882396095	0.219835396	5.6625607	5.90E-17
peak_3158	chr18	46736514	46737326	116422	Intergenic	NM_001037706	smtla	9.020926241	3.36091219	5.660014051	3.67E-15
peak_5833	chr3	19796457	19797354	-4652	Intergenic	NM_001007051	vat1	8.91616824	3.256557644	5.659610596	1.62E-11
peak_1939	chr22	24418379	24418749	64563	Intergenic	NM_001044943	crb1	7.150105553	1.490687863	5.65941769	4.15E-18
peak_4083	chr25	18539918	18540546	-50444	Intergenic	NM_001168267	cep290	7.735859855	2.077505579	5.658354276	1.34E-13
peak_2166	chr14	21696403	21696747	196438	Intergenic	NM_001080068	ids	5.877894867	0.219835396	5.658059471	1.83E-17
peak_2431	chr12	29295797	29296327	188804	Intergenic	NM_131425	etv4	6.482436238	0.825787209	5.656649029	1.00E-16
peak_2240	chr23	32326581	32326900	11945	TTS (NM_001130616)	NM_001130616	zgc:194455	5.874900798	0.219835396	5.655065402	2.85E-17
peak_2273	chr7	63245778	63246137	354724	Intergenic	NM_200491	tbc1d19	5.874151309	0.219835396	5.654315913	3.74E-17
peak_2287	chr7	25671896	25672285	10753	3' UTR (NM_001173501, exon 11 of 11)	NM_001173501	nelfa	5.873776418	0.219835396	5.653941023	4.39E-17
peak_5481	chr23	36700596	36701739	1724	exon (NM_001020478, exon 2 of 2)	NM_001020478	gpr182	7.952904623	2.300427624	5.652476999	7.32E-12
peak_2422	chr18	27177450	27177755	83319	intron (NM_001136243, intron 8 of 26)	NM_200194	zgc:56106	5.872275881	0.219835396	5.652440485	9.46E-17
peak_4304	chr18	33603765	33604437	31016	Intergenic	NM_001114446	tbrg1	8.99131769	3.339222738	5.652094952	2.73E-13
peak_2550	chr24	6118441	6118743	-10762	Intergenic	NM_001017656	pdss1	5.871149453	0.219835396	5.651314057	1.91E-16

peak_2258	chr23	35491481	35491845	42958	Intergenic	NM_205724	fbxo25	5.870751862	0.219835396	5.650916466	3.25E-17
peak_2204	chr3	53229746	53230110	46892	exon (NM_001013537, exon 10 of 13)	NM_001013537	slc27a1a	7.141099583	1.490687863	5.65041172	2.33E-17
peak_2215	chr16	14310538	14310885	38396	TTS (NM_001289880)	NM_001289880	rasip1	5.869624243	0.219835396	5.649788847	2.45E-17
peak_2689	chr9	29523957	29524880	-92039	Intergenic	NM_001044766	klf7b	9.059894034	3.410122364	5.64977167	4.05E-16
peak_1256	chr9	29482314	29482691	-50123	Intergenic	NM_001044766	klf7b	7.319990997	1.670405631	5.649585366	8.59E-21
peak_5675	chr3	40726543	40727073	36502	intron (NM_001001943, intron 1 of 17)	NM_001001943	smurf1	8.016765204	2.367686229	5.649078975	1.16E-11
peak_2199	chr4	17248357	17248635	21099	intron (NM_001100017, intron 1 of 25)	NM_001100017	anks1b	5.868872007	0.219835396	5.649036611	2.20E-17
peak_2191	chr17	43518577	43518854	5125	exon (NM_213320, exon 5 of 6)	NM_213320	chmp3	5.867742917	0.219835396	5.647907521	2.13E-17
peak_2190	chr12	16614790	16615121	101278	Intergenic	NM_001162849	nmt1b	5.867742917	0.219835396	5.647907521	2.13E-17
peak_1665	chr20	15537334	15538136	-20873	Intergenic	NM_199987	jun	9.668508218	4.02099433	5.647513888	4.58E-19
peak_2268	chr12	9355007	9355345	31234	Intergenic	NM_001002613	nrbf2b	5.865104932	0.219835396	5.645269536	3.54E-17
peak_1961	chr17	14468480	14469385	43402	intron (NM_001204257, intron 5 of 17)	NM_001204257	ppp1r13ba	7.135932053	1.490687863	5.64524419	4.70E-18
peak_1304	chr24	9653377	9654036	-28318	Intergenic	NM_212721	cdv3	8.1965204	2.551481363	5.645039037	1.37E-20
peak_2362	chr6	33017704	33017990	-217077	Intergenic	NM_201143	pik3r3b	5.863595343	0.219835396	5.643759947	6.69E-17
peak_2363	chr8	17984214	17984534	51472	intron (NM_130935, intron 1 of 6)	NM_130935	skia	5.863595343	0.219835396	5.643759947	6.69E-17
peak_1517	chr16	40184040	40184345	-270061	Intergenic	NM_001037432	zgc:123285	6.5223201	0.87932337	5.642996731	1.31E-19
peak_1363	chr2	42039627	42040177	3861	intron (NM_001113508, intron 5 of 5)	NM_001113508	ebi3	6.990155853	1.34754194	5.642613912	2.52E-20
peak_1644	chr5	40902678	40903080	-131450	Intergenic	NM_200710	paqr3a	6.351232103	0.709096771	5.642135331	4.00E-19
peak_2293	chr4	9249660	9250007	-181300	Intergenic	NM_001082867	kcnd2	5.861684076	0.219835396	5.64184868	4.59E-17
peak_2246	chr24	3456196	3456514	-35970	Intergenic	NM_001033726	zgc:113390	5.860170902	0.219835396	5.640335506	2.96E-17
peak_2219	chr12	35731249	35731566	3228	intron (NM_001003874, intron 5 of 9)	NM_001003874	chmp6b	5.859034979	0.219835396	5.639199583	2.52E-17
peak_1473	chr16	21973172	21973919	4467	intron (NM_200816, intron 1 of 10)	NM_200816	hdac9b	8.398038227	2.760098344	5.637939883	8.68E-20
peak_2227	chr7	49729590	49729881	-9318	Intergenic	NM_200259	rbpms2b	5.857519022	0.219835396	5.637683627	2.58E-17
peak_1654	chr3	19820048	19820612	18773	intron (NM_001007051, intron 2 of 5)	NM_001007051	vat1	6.832205444	1.19500324	5.637202204	4.27E-19
peak_2669	chr4	19246182	19246564	4066	intron (NM_001045155, intron 4 of 9)	NM_001045155	dcp1b	5.855599683	0.219835396	5.635764287	3.67E-16
peak_5488	chr3	17280967	17281679	21883	intron (NM_201501, intron 2 of 5)	NM_201501	rab5c	8.868111143	3.232985241	5.635125902	7.50E-12
peak_1619	chr10	8853468	8854054	82546	Intergenic	NM_001002043	isl1l	6.537101359	0.902938058	5.634163301	3.02E-19
peak_2423	chr10	20692829	20693205	-16886	Intergenic	NM_001013297	prnpb	5.853319724	0.219835396	5.633484328	9.57E-17
peak_4534	chr14	25351045	25351732	39700	intron (NM_001123011, intron 7 of 21)	NM_001123011	fam13b	7.787324093	2.155703238	5.631620855	5.94E-13
peak_1856	chr2	13940238	13940560	187133	Intergenic	NM_001017787	leprot	6.115410482	0.48510786	5.630302622	1.96E-18
peak_1264	chr13	7573559	7573959	-44919	Intergenic	NM_001037101	hells	7.41796204	1.78859519	5.62936685	9.71E-21
peak_1386	chr11	7973389	7973782	298666	Intergenic	NM_001080595	ttll7	6.870762822	1.242675602	5.62808722	3.38E-20
peak_2259	chr8	23638252	23638627	-145967	Intergenic	NM_001143977	sypa	5.847222157	0.219835396	5.627386762	3.25E-17
peak_2322	chr7	39808925	39809254	21774	intron (NM_200878, intron 10 of 18)	NM_200878	cep89	5.84531137	0.219835396	5.625475975	5.55E-17
peak_4435	chr18	20548186	20549294	90845	Intergenic	NM_001044883	cftr	7.780934654	2.155703238	5.625231415	4.39E-13
peak_1660	chr3	19050083	19050501	-20637	Intergenic	NM_181603	smarca4a	6.334118113	0.709096771	5.625021342	4.46E-19
peak_2548	chr1	38230913	38231207	68567	intron (NM_001145602, intron 1 of 11)	NM_001145602	si:ch211-15e22.3	5.844524025	0.219835396	5.62468863	1.88E-16
peak_1602	chr1	18701101	18701603	110479	Intergenic	NM_207071	mettl14	6.697092362	1.07379276	5.623299602	2.68E-19
peak_1709	chr19	14716641	14717095	-2854	Intergenic	NM_001045185	edn2	6.953269858	1.330227956	5.623041902	6.47E-19
peak_1704	chr6	46795333	46795733	82891	Intergenic	NM_001014317	igfn1.1	6.525903388	0.902938058	5.62296533	6.19E-19
peak_2753	chr21	15438013	15438720	-53360	Intergenic	NM_001166121	aqp3b	8.371331959	2.748726114	5.622605845	5.82E-16
peak_1110	chr16	57198460	57199012	-34607	intron (NM_001039925, intron 6 of 11)	NM_001076728	znrf2b	8.093390498	2.471529652	5.621860845	1.25E-21
peak_1476	chr11	11761438	11762056	-65301	Intergenic	NM_001017588	zgc:110712	7.60603228	1.984469404	5.621562876	8.84E-20
peak_2280	chr1	46339838	46340169	29362	Intergenic	NM_001190306	map2k7	5.84069275	0.219835396	5.620857354	4.01E-17
peak_2272	chr14	30646104	30646384	1213	exon (NM_001045414, exon 3 of 9)	NM_001045414	zgc:153146	5.840309062	0.219835396	5.620473666	3.73E-17
peak_1790	chr16	14283915	14284475	11880	exon (NM_001289880, exon 4 of 15)	NM_001289880	rasip1	8.782835657	3.163948558	5.618887099	1.15E-18
peak_1562	chr8	17600256	17600769	2423	intron (NM_001099245, intron 5 of 13)	NM_001099245	plk2b	6.496441	0.87932337	5.61711763	2.03E-19
peak_2296	chr19	10859893	10860237	-30426	Intergenic	NM_001083075	znf865	5.836466561	0.219835396	5.616631166	4.72E-17
peak_1689	chr19	22846014	22846514	13859	Intergenic	NM_001089564		6.884827505	1.268380814	5.616446692	5.67E-19
peak_2312	chr16	8660940	8661247	1679	intron (NM_199515, intron 1 of 6)	NM_199515	prdm1a	5.836081748	0.219835396	5.616246352	5.30E-17
peak_1623	chr8	27624166	27624616	21180	intron (NM_001128289, intron 1 of 14)	NM_001128289	si:dkey-159f12.3	6.84242926	1.226539182	5.615890078	3.21E-19
peak_2400	chr12	25188232	25188551	-46581	Intergenic	NM_001035261	svila	5.834926691	0.219835396	5.615091295	8.25E-17
peak_2460	chr4	8962361	8962681	-8456	Intergenic	NM_001130135	adm2a	5.834156139	0.219835396	5.614320743	1.19E-16
peak_2495	chr15	23320039	23320347	-23819	Intergenic	NM_212633	appbp2	5.833770709	0.219835396	5.613935313	1.46E-16
peak_2230	chr16	54525942	54526589	-184911	Intergenic	NM_213187	dhdds	9.576228589	3.963762866	5.612465722	2.64E-17
peak_1575	chr16	22020266	22020626	-42434	Intergenic	NM_200816	hdac9b	6.312379068	0.70013877	5.612240298	2.24E-19
peak_3169	chr16	7107133	7107433	-130057	Intergenic	NM_001003516	zgc:100908	5.828705587	0.219835396	5.608870191	3.82E-15
peak_3661	chr14	16642779	16643203	833871	Intergenic	NM_001044746	cnga5	7.603540855	1.994825282	5.608715573	2.92E-14
peak_2360	chr23	8981748	8982099	-114132	Intergenic	NM_001012253	xkr7	5.826017789	0.219835396	5.606182393	6.62E-17
peak_1646	chr12	26897498	26898048	9863	Intergenic	NM_207055	zfp36l2	9.026727601	3.420611553	5.606116048	4.02E-19
peak_2414	chr11	42547961	42548587	-8838	Intergenic	NM_001005938	park7	5.825242463	0.219835396	5.605407067	8.91E-17
peak_1399	chr19	22883436	22883826	51226	Intergenic	NM_001089564		6.847604011	1.242675602	5.604928409	3.71E-20
peak_7705	chr15	27616586	27617305	-5429	Intergenic	NM_200976	prpf8	8.268320779	2.663703566	5.604617213	6.05E-10
peak_1774	chr11	27616147	27616544	18824	Intergenic	NM_001045307	acad9	6.969190834	1.364650599	5.604540235	1.03E-18
peak_2216	chr21	31522953	31523505	25655	Intergenic	NM_212660	cnot6	8.141786714	2.537465366	5.604321347	2.48E-17
peak_1603	chr9	13052673	13053057	-70521	Intergenic	NM_001122856	glb1l	6.483448122	0.87932337	5.604124752	2.70E-19
peak_2386	chr5	68806024	68806411	-34769	Intergenic	NM_131302	notch1b	5.822114313	0.219835396	5.602278918	7.45E-17
peak_2825	chr3	26158041	26158328	-45397	Intergenic	NM_001003764	dexi	5.821359569	0.219835396	5.601524173	8.70E-16
peak_1627	chr16	31130572	31130953	21386	Intergenic	NM_001077306	chtopb	6.675037774	1.07379276	5.601245015	3.43E-19
peak_1639	chr13	3887158	3887630	7637	TTS (NM_001002111)	NM_001002111	mea1	6.795386155	1.19500324	5.600382915	3.78E-19
peak_2300	chr11	7074248	7074566	-2016	exon (NM_001105705, exon 2 of 2)	NM_001201560	wu:fd44f01	5.820169959	0.219835396	5.600334563	4.80E-17
peak_2301	chr12	24733352	24733716	9173	intron (NM_130976, intron 1 of 15)	NM_130976	mpp7	5.820169959	0.219835396	5.600334563	4.80E-17
peak_4400	chr19	45190774	45191556	33297	intron (NM_212781, intron 1 of 16)	NM_212781	yrk	9.578968828	3.979332822	5.599636005	3.89E-13
peak_2291	chr14	784013	784301	-5142	intron (NM_212882, intron 8 of 12)	NM_194364	adra2da	5.819391483	0.219835396	5.599556087	4.54E-17
peak_2171	chr11	18934995	18935466	42391	Intergenic	NM_001079955	dido1	6.501574021	0.902938058	5.598635962	1.88E-17
peak_2305	chr17	37917292	37917607	45925	Intergenic	NM_001077153	zfp36l1a	5.817833269	0.219835396	5.597997873	5.00E-17
peak_1584	chr7	25962807	25963317	32898	Intergenic	NM_001002500	otub1b	6.671591134	1.07379276	5.597798374	2.35E-19
peak_1268	chr9	25111078	25111884	-31849	Intergenic	NM_001144814	cxcr7b	9.274949545	3.677475516	5.597474029	9.96E-21
peak_2443	chr6	30730805	30731101	185780	Intergenic	NM_001113376	lepr	5.815102339	0.219835396	5.595266943	1.14E-16
peak_10844	chr2	43535107	43535833	-34889	Intergenic	NM_205674	nrp1b	9.95074071	4.356463159	5.594277551	4.07E-08
peak_2639	chr22	16940982	16941428	36652	intron (NM_001127185, intron 14 of 43)	NM_001127185	inadl	5.813148504	0.219835396	5.593313109	3.19E-16
peak_3562	chr21	26399594	26400301	5239	intron (NM_001045853, intron 2 of 4)	NM_001045853	ppp1r14ba	7.543021625	1.950187435	5.59283419	1.95E-14
peak_2381	chr24	13066696	13066957	110150	intron (NM_200925, intron 12 of 14)	NM_001080583	rdh10a	5.811560692	0.219835396	5.591725297	7.31E-17
peak_1542	chr7	19235715	19236186	35665	Intergenic	NM_001199722	taf6l	7.059683238	1.468301591	5.591381647	1.70E-19
peak_1362	chr17	20660306	20660790	-93296	Intergenic	NM_212564	cdk1	7.870668888	2.279531555	5.591137333	2.51E-20
peak_2343	chr5	32382485	32382814	-15600	Intergenic	NM_174860	ruvbl2	5.810777555	0.219835396	5.59094216	6.12E-17
peak_2244	chr4	20399258	20400030	2871	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	7.196674655	1.606593419	5.590081236	2.92E-17
peak_2727	chr4	25512587	25513227	-1368	Intergenic	NM_001002629	tnni1d	7.360909994	1.771592457	5.589317538	5.14E-16
peak_2313	chr24	17522820	17523129	5859	intron (NM_001003580, intron 2 of 3)	NM_001003580	klhl15	5.808817851	0.219835396	5.588982456	5.31E-17
peak_2326	chr12	39058223	39058607	-220900	Intergenic	NM_001040355	pmp22b	5.808033224	0.219835396	5.588197828	5.68E-17
peak_1697	chr2	37866030	37867052	2465	intron (NM_194414, intron 1 of 9)	NM_194414	mmp14b	9.617067335	4.029784633	5.587282702	5.88E-19
peak_2136	chr17	33187078	33187500	-118281	Intergenic	NM_131405	prox1a	6.061320733	0.474639816	5.586680916	1.43E-17
peak_2114	chr17	29451854	29452318	73389	Intergenic	NM_001045177	ptpreb	7.732446254	2.145840524	5.586605731	1.31E-17
peak_1547	chr25	24875156	24875609	50612	Intergenic	NM_001003619	uevld	7.389968732	1.805399871	5.584568861	1.86E-19
peak_2573	chr3	21742678	21743016	-147387	Intergenic	NM_001003857	itga2b	5.804103672	0.219835396	5.584268276	2.16E-16
peak_1962	chr17	52026414	52026844	-126890	Intergenic	NM_001012488	zgc:113142	7.362938205	1.780118871	5.582819334	4.74E-18
peak_2417	chr6	40627707	40628011	590	intron (NM_001135136, intron 1 of 3)	NM_001135136	si:ch211-157b11.	5.8017178	0.219835396	5.581882404	9.03E-17
peak_1838	chr23	10267196	10267577	13955	exon (NM_001111167, exon 8 of 12)	NM_001111167	zgc:171775	6.945788529	1.364650599	5.58113793	1.69E-18
peak_1955	chr1	2083532	2083862	66464	Intergenic	NM_001145604	kpnb3	6.134349747	0.554393687	5.57995606	4.65E-18
peak_1293	chr14	28891849	28892575	159609	Intergenic	NM_200569	tsc22d3	7.463370311	1.883571173	5.579799139	1.30E-20
peak_1658	chr6	50443680	50444057	40763	Intergenic	NM_001126109	mych	6.482710789	0.902938058	5.57977273	4.37E-19
peak_4535	chr20	31493772	31494618	29013	intron (NM_001044819, intron 4 of 19)	NM_001044819	sash1a	8.605577518	3.026173285	5.579404233	5.94E-13
peak_1941	chr3	23447023	23447385	-65211	Intergenic	NM_199214	col1a1a	6.943646838	1.364650599	5.578996239	4.20E-18
peak_3245	chr12	30612118	30612508	9009	intron (NM_001114742, intron 2 of 10)	NM_001114742	zgc:171544	5.798538168	0.219835396	5.578702772	5.56E-15
peak_2368	chr16	34130020	34130292	11053	exon (NM_214775, exon 3 of 12)	NM_214775	rbfox1l	5.797770985	0.219835396	5.577935589	6.83E-17

peak_3122	chr25	25406098	25407335	-340946	Intergenic	NM_001002089_1	tsg101a	10.08886843	4.511205126	5.577663302	3.23E-15
peak_1275	chr16	22060087	22060449	65733	Intergenic	NM_131028	ahr1a	6.72817715	1.152146449	5.576030702	1.08E-20
peak_2334	chr19	38710980	38711389	-7851	Intergenic	NM_001044823	cx39.4	7.51378999	1.937832289	5.575957701	5.82E-17
peak_2582	chr3	26047883	26048180	8981	intron (NM_001017538, intron 3 of 11)	NM_001017538	nubp1	5.794209596	0.219835396	5.5743742	2.30E-16
peak_2628	chr14	29007481	29007858	44152	Intergenic	NM_200569	tsc22d3	5.794186482	0.219835396	5.574351087	3.06E-16
peak_2905	chr6	32246158	32246766	-142621	Intergenic	NM_199579	usp1	7.832506094	2.258328372	5.574177722	1.33E-15
peak_4451	chr22	26706964	26707866	-20332	Intergenic	NM_194426	pdgfaa	8.840218721	3.266046099	5.574172622	4.69E-13
peak_2615	chr15	24813510	24813931	-6779	exon (NM_001002222, exon 10 of 10)	NM_001080000	zgc:152863	5.793813343	0.219835396	5.573977947	2.83E-16
peak_2389	chr14	9421670	9422221	31433	Intergenic	NM_001004009	asb12b	7.063487935	1.490687863	5.572800072	7.57E-17
peak_2845	chr19	5706001	5706337	8978	intron (NM_001003848, intron 6 of 11)	NM_001003848	eno2	5.791830443	0.219835396	5.571995048	9.68E-16
peak_2846	chr3	33971272	33971616	-32362	Intergenic	NM_001017609	alkbh7	5.791830443	0.219835396	5.571995048	9.68E-16
peak_6903	chr6	48338483	48339055	19664	intron (NM_201150, intron 2 of 4)	NM_201150	rhoae	9.376645218	3.804823439	5.571821779	1.41E-10
peak_2379	chr7	30007778	30008060	10070	exon (NM_001020481, exon 12 of 13)	NM_001020481	gpr56	5.789026601	0.219835396	5.569191205	7.20E-17
peak_1745	chr13	4274753	4275118	43976	exon (NM_201102, exon 23 of 23)	NM_001007059	c1d	7.049087358	1.480260375	5.568826982	8.42E-19
peak_2392	chr3	25314395	25314733	17331	Intergenic	NM_001128267	il2rb	5.787833233	0.219835396	5.567997838	7.77E-17
peak_2154	chr16	30878565	30879495	7550	intron (NM_001114583, intron 10 of 14)	NM_001114583	abcb4	8.261661414	2.693871325	5.567790089	1.62E-17
peak_1648	chr13	37380517	37380805	20709	exon (NM_001020816, exon 6 of 14)	NM_001020816	frmd6	6.392995724	0.825787209	5.567208515	4.15E-19
peak_2106	chr12	8330047	8330373	-30963	Intergenic	NM_200241	ccdc6b	6.052053274	0.48510786	5.566945414	1.20E-17
peak_2966	chr22	39469819	39470103	-55476	Intergenic	NM_001017600	polr2h	5.786615643	0.219835396	5.566780247	1.78E-15
peak_2042	chr8	31411544	31411926	-56226	intron (NM_001123253, intron 8 of 22)	NM_001039816	specc1la	7.01999731	1.453857079	5.566140231	8.39E-18
peak_1757	chr4	10640815	10641243	4276	exon (NM_001007767, exon 6 of 9)	NM_001007767	net1	6.468834169	0.902938058	5.565896111	8.90E-19
peak_1032	chr17	23627874	23628372	15972	intron (NM_001256225, intron 10 of 15)	NM_001256225	slc18a2	7.524000378	1.958410722	5.565589656	4.13E-22
peak_2812	chr8	4873282	4873634	29541	intron (NM_200459, intron 5 of 8)	NM_200459	zgc:63587	5.785420279	0.219835396	5.565584883	8.06E-16
peak_2951	chr15	20466395	20466797	57298	Intergenic	NR_030067		7.378768137	1.813729373	5.565038764	1.66E-15
peak_1713	chr24	31010709	31011082	4905	intron (NM_001099258, intron 1 of 5)	NM_001099258	lppr5b	6.444257349	0.87932337	5.564933979	6.70E-19
peak_3264	chr5	32479477	32480575	81777	intron (NM_001083847, intron 4 of 11)	NM_174860	ruvbl2	8.21460028	2.650663856	5.563936423	5.87E-15
peak_2711	chr16	33877330	33877698	-48109	Intergenic	NM_001113628	wisp1b	5.783049868	0.219835396	5.563214473	4.71E-16
peak_2712	chr7	37803459	37803797	8866	intron (NM_200105, intron 7 of 9)	NM_200105	aktip	5.783049868	0.219835396	5.563214473	4.71E-16
peak_10348	chr11	14327725	14328518	-17403	Intergenic	NM_001199872	med16	8.600535449	3.038663522	5.561871927	2.28E-08
peak_1868	chr21	38744358	38744753	10146	exon (NM_131575_1, exon 7 of 8)	NM_131575_1	plrdgb	6.925983588	1.364650599	5.561332989	2.14E-18
peak_2964	chr9	32130451	32130762	10987	Intergenic	NM_001099241	gpr183	5.78105211	0.219835396	5.561216714	1.76E-15
peak_1435	chr12	38855222	38855617	-17904	Intergenic	NM_001040355	pmp22b	7.623674277	2.063603422	5.560070855	5.81E-20
peak_2416	chr10	33792768	33793266	39122	Intergenic	NM_200843	rabgef1	5.77982878	0.219835396	5.559993384	8.94E-17
peak_3265	chr1	30076642	30076994	1370	intron (NM_001013448, intron 1 of 24)	NM_001013448	itga6b	5.779451908	0.219835396	5.559616512	5.91E-15
peak_2332	chr1	16441508	16441832	4349	3' UTR (NM_198810, exon 12 of 12)	NM_001145614	ankrd37	6.385388909	0.825787209	5.5596017	5.80E-17
peak_1458	chr12	11496567	11497033	4199	intron (NM_001076661, intron 1 of 2)	NM_001076661	zgc:153595	7.422582887	1.863038053	5.559544834	7.53E-20
peak_1890	chr1	51012562	51012887	22323	intron (NM_001128699, intron 8 of 11)	NM_001128699	papss1	6.250638086	0.691124799	5.559513287	2.55E-18
peak_1677	chr24	14245750	14246200	101640	intron (NM_131777, intron 4 of 21)	NM_131777	ncoa2	6.613143998	1.054120914	5.559023084	5.21E-19
peak_2406	chr16	14272103	14272467	-30	promoter-TSS (NM_001289880)	NM_001289880	rasip1	5.778627777	0.219835396	5.558792381	8.43E-17
peak_2413	chr5	41912044	41912524	5145	intron (NM_001100006, intron 1 of 1)	NM_001100006	snx18a	5.777826552	0.219835396	5.557991157	8.88E-17
peak_1954	chr12	6792799	6793366	-8096	intron (NM_001077614, intron 3 of 5)	NM_001007763	asah2	7.821336886	2.264418289	5.556918597	4.56E-18
peak_3829	chr20	19119469	19120892	-27107	intron (NM_001013265, intron 6 of 6)	NM_001080750	sox7	10.11902705	4.563876468	5.555150578	5.67E-14
peak_1864	chr1	28877551	28877959	70430	intron (NM_001002746, intron 20 of 22)	NM_001002746	pcca	6.919267575	1.364650599	5.554616976	2.06E-18
peak_1999	chr24	30025203	30025705	167693	Intergenic	NM_001039930	rnpc3	7.70027344	2.145840524	5.554432916	6.37E-18
peak_5973	chr11	38477265	38478532	6836	intron (NM_001040385, intron 1 of 8)	NM_001040385	egfl7	7.920629312	2.367686229	5.552943083	2.21E-11
peak_2590	chr1	16292741	16293173	23684	intron (NM_001031837, intron 10 of 20)	NM_131877	casp3a	5.772584256	0.219835396	5.552748861	2.40E-16
peak_2054	chr25	6532238	6532806	44201	Intergenic	NM_214697	psma4	7.043402478	1.490687863	5.552714615	8.92E-18
peak_2510	chr3	55375565	55375937	115	TTS (NM_001014821)	NM_001098261	si:ch73-208g10.1	5.771377205	0.219835396	5.551541809	1.54E-16
peak_2467	chr6	33026927	33027329	-207796	Intergenic	NM_201143	pik3r3b	5.770571942	0.219835396	5.550736547	1.24E-16
peak_1833	chr9	39643299	39643827	3163	intron (NM_001014346, intron 2 of 13)	NM_001014346	snx4	8.607614598	3.056953642	5.550660956	1.64E-18
peak_1202	chr20	34552125	34552598	16070	Intergenic	NM_200050	prrx1b	7.319149119	1.768930124	5.550218995	4.38E-21
peak_3095	chr21	790863	791389	41432	Intergenic	NM_194432	oaz2a	7.363731559	1.813729373	5.550002186	2.86E-15
peak_1794	chr8	20702567	20702905	6864	intron (NM_001126379, intron 1 of 14)	NM_001126379	acsbg2	6.249465785	0.70013877	5.549327015	1.18E-18
peak_2433	chr7	33987443	33987670	5961	intron (NM_198062, intron 4 of 5)	NM_198062	spi1b	5.767749979	0.219835396	5.547914583	1.02E-16
peak_2432	chr2	30670434	30670713	39553	intron (NM_001161340, intron 35 of 37)	NM_001161340	myom1a	5.767749979	0.219835396	5.547914583	1.02E-16
peak_4261	chr1	1937762	1938402	-41070	intron (NM_001099998, intron 2 of 7)	NM_001145705	rap2ab	8.271890023	2.725091008	5.546799015	2.38E-13
peak_3669	chr19	18381614	18382400	874	intron (NM_001100065, intron 2 of 4)	NM_001100065	ddah2	7.496920841	1.950187435	5.546733406	3.00E-14
peak_1679	chr2	36682996	36683373	22410	Intergenic	NM_001012386	gadd45bb	6.854840097	1.308618501	5.546221596	5.25E-19
peak_2182	chr14	29246025	29246511	-143865	Intergenic	NM_200688	zgc:64189	7.036710287	1.490687863	5.546022424	1.97E-17
peak_11810	chr20	53506584	53507624	29780	Intergenic	NM_001110478	ctsbb	9.937357164	4.392640081	5.544717082	1.10E-07
peak_1496	chr1	44205890	44206255	39125	intron (NM_001256638, intron 3 of 4)	NM_001256638	tacr3a	6.787236179	1.242675602	5.544560578	1.10E-19
peak_4601	chr20	24706216	24706900	286087	Intergenic	NM_001044979	epha7	8.679413184	3.134996142	5.544417042	7.12E-13
peak_6481	chr1	54159893	54160332	-101007	Intergenic	NM_001045265	commd1	7.975951125	2.431948405	5.544002719	6.53E-11
peak_8948	chr21	16442891	16443934	24589	intron (NM_001161551, intron 4 of 8)	NM_001003561	stx2a	8.359438009	2.81595363	5.54348438	3.92E-09
peak_6153	chr23	44353135	44353911	45091	intron (NM_214728, intron 6 of 19)	NM_001114743_1	tec	9.228579221	3.688301244	5.540277977	3.41E-11
peak_2446	chr7	26437477	26437758	-53768	intron (NM_001076730, intron 20 of 21)	NM_212666	cyp26b1	5.758415062	0.219835396	5.538579666	1.16E-16
peak_1350	chr6	28782755	28783121	-17471	Intergenic	NM_001002106	rpl5b	6.690696669	1.152146449	5.538550221	2.13E-20
peak_2920	chr16	28448547	28449244	34300	intron (NM_001044848, intron 1 of 20)	NM_001044848	arhgef1b	8.770580753	3.232098259	5.538482495	1.41E-15
peak_2394	chr24	27903801	27904271	35753	Intergenic	NM_001077562	larp4b	7.144522262	1.606593419	5.537928843	7.78E-17
peak_2048	chr9	22418785	22419490	2120	intron (NM_001045341, intron 2 of 7)	NM_001045341	cryl1	7.826205904	2.288524099	5.537681805	8.80E-18
peak_2483	chr10	19105465	19105737	58096	Intergenic	NM_001004006	tmem230a	5.756382873	0.219835396	5.536547477	1.38E-16
peak_2595	chr2	52936643	52936914	77794	Intergenic	NM_001045238	zgc:136336	5.754347818	0.219835396	5.534512422	2.56E-16
peak_2855	chr22	39517739	39518255	-20942	Intergenic	NM_201294	b3gnt7	7.757500931	2.223641638	5.533859293	1.01E-15
peak_753	chr22	23807140	23807772	-66564	Intergenic	NM_207101	b3galt2	8.679946223	3.14756747	5.532378754	4.39E-24
peak_2185	chr14	17890016	17890304	109	exon (NM_001128562, exon 1 of 6)	NM_001128562	olfcg4	6.085556163	0.554393687	5.531162476	2.02E-17
peak_2487	chr1	51265293	51265665	82003	Intergenic	NM_001099240	zgc:154142	5.748610487	0.219835396	5.528775091	1.41E-16
peak_2488	chr16	33152921	33153165	20247	intron (NM_131796, intron 2 of 31)	NM_131796	ptk2ab	5.748610487	0.219835396	5.528775091	1.41E-16
peak_2481	chr1	23737949	23738218	296368	Intergenic	NM_001130587	tmem154	5.747792413	0.219835396	5.527957017	1.35E-16
peak_1559	chr11	21100056	21100583	-247664	intron (NM_131086, intron 6 of 16)	NM_001002230	tuba7l	7.053222211	1.525612958	5.527609253	2.01E-19
peak_13041	chr16	6020507	6021609	-42834	intron (NM_001080653, intron 8 of 10)	NM_001077257_1	foxo1a	8.991698882	3.46445556	5.527243322	3.68E-07
peak_1979	chr15	27446567	27446952	1723	exon (NM_001102390, exon 2 of 6)	NM_001102390	crybb1l3	6.235493604	0.709096771	5.526396833	5.43E-18
peak_3219	chr17	21823247	21823600	17243	Intergenic	NM_200349	slc22a7b	5.745721291	0.219835396	5.525885895	4.74E-15
peak_2353	chr7	8310341	8310751	-7962	exon (NM_001045289, exon 3 of 4)	NM_001278828	b3gnt1	6.010951263	0.48510786	5.525843403	6.43E-17
peak_6413	chr1	933452	934422	-43910	Intergenic	NM_001002502	n6amt1	8.571458418	3.045730965	5.525727453	5.72E-11
peak_3238	chr25	16834493	16834992	111775	Intergenic	NM_001002217	cpa4	7.652897542	2.127744164	5.525153378	5.40E-15
peak_2609	chr25	17111269	17111549	987	exon (NM_001243149, exon 3 of 7)	NM_001243149	ribc2	5.744105326	0.219835396	5.52426993	2.79E-16
peak_2644	chr8	38651802	38652142	12049	Intergenic	NM_001083869	or135-1	5.743695067	0.219835396	5.523859672	3.29E-16
peak_2194	chr9	13346850	13347188	-49798	intron (NM_001039807, intron 3 of 12)	NM_001128362	si:dkey-56k23.2	6.214870396	0.691124799	5.523745597	2.16E-17
peak_2847	chr24	4861729	4862106	-16513	Intergenic	NM_001110021	cpb1	5.743260748	0.219835396	5.523425352	9.79E-16
peak_4574	chr1	48041262	48041739	-41308	Intergenic	NM_001160022	sh3pxd2aa	7.820089699	2.297460938	5.522628762	6.59E-13
peak_2630	chr22	12761244	12761552	3951	intron (NM_001114576, intron 4 of 17)	NM_001114576	cep70	5.740796001	0.219835396	5.520960605	3.07E-16
peak_3001	chr15	19396427	19396781	-22674	Intergenic	NM_199836	chp2	5.740408792	0.219835396	5.520573396	2.04E-15
peak_2512	chr16	28906013	28906358	21251	intron (NM_001080576, intron 12 of 14)	NM_001080576	esrp1	5.994452788	0.474639816	5.519812971	1.57E-16
peak_3153	chr7	32019126	32019397	-42720	Intergenic	NM_001077597	mtmr10	5.739586052	0.219835396	5.519750657	3.61E-15
peak_2539	chr16	27373916	27374220	7850	Intergenic	NM_001007054	zgc:92590	5.738738824	0.219835396	5.518903428	1.78E-16
peak_2517	chr7	39183920	39184202	20217	exon (NM_001166272, exon 10 of 24)	NM_001166272	adcy7	5.737915131	0.219835396	5.518079735	1.62E-16
peak_4246	chr21	8316320	8316866	11203	Intergenic	NM_001076741	esm1	9.239850829	3.722667274	5.517183555	2.30E-13
peak_2536	chr11	13349265	13349487	-2892	Intergenic	NM_001002191	mob3c	5.735853838	0.219835396	5.516018443	1.77E-16
peak_1245	chr11	35380455	35380899	29052	Intergenic	NM_001037377	pfkfb4	7.108885564	1.593024686	5.515860878	7.99E-21
peak_2567	chr17	25351561	25351833	53840	Intergenic	NM_200352	rtn4ip1	5.735028496	0.219835396	5.5151931	2.09E-16
peak_1612	chr3	31646017	31646458	-91343	Intergenic	NM_200658	ccdc43	6.525903388	1.010874013	5.515029375	2.83E-19
peak_2585	chr1	29448918	29449219	-4552	Intergenic	NM_001089374	LOC557028	5.734615648	0.219835396	5.514780252	2.33E-16
peak_3081	chr24	7824962	7825382	-12440	Intergenic	NM_001020546	syt5b	5.734178586	0.219835396	5.51434319	2.81E-15
peak_8311	chr25	17612212	17613069	11308	intron (NM_001202419, intron 1 of 20)	NM_001202419	kdm7ab	9.073001933	3.55961739	5.513384543	1.61E-09
peak_2716	chr24	27331173	27331584	-49535	intron (NM_001037676, intron 15 of 32)	NM_213185	eif5a	7.225521269	1.713875669	5.5116456	4.86E-16

peak_2210	chr13	46226309	46226897	12388	exon (NM_001080635_1, exon 3 of 7)	NM_001080635_1	ldlrap1b	7.321083327	1.809570633	5.511512694	2.39E-17
peak_1717	chr25	28846496	28847499	56285	Intergenic	NM_199281	slc13a1	9.12653174	3.615375649	5.511156092	6.96E-19
peak_4671	chr5	16539201	16539999	-251456	Intergenic	NM_001128246	sc:d411	9.973973473	4.463066783	5.51090669	8.50E-13
peak_1331	chr24	43409890	43410405	9822	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	6.717119702	1.207700457	5.509419245	1.72E-20
peak_2619	chr6	1648165	1649296	7295	intron (NM_001030251, intron 3 of 10)	NM_001030251	tpra1	7.799948824	2.292054387	5.507894437	2.93E-16
peak_2549	chr7	49729993	49730408	-9783	Intergenic	NM_200259	rbpms2b	5.727139892	0.219835396	5.507304496	1.88E-16
peak_8096	chr21	44402185	44402733	3205	intron (NM_001040361, intron 4 of 8)	NM_001040361	h2afy	8.170520002	2.663703566	5.506816436	1.13E-09
peak_1516	chr5	68419977	68420429	-9123	Intergenic	NM_001002146	zgc:86715	8.182410589	2.677360798	5.505049792	1.29E-19
peak_2597	chr17	15042034	15042328	-2529	Intergenic	NM_001111225	socs4	5.724231595	0.219835396	5.5043962	2.60E-16
peak_2198	chr10	17658277	17658749	-52857	Intergenic	NM_200038	drg1	6.727335298	1.226539182	5.500796117	2.19E-17
peak_1798	chr15	13393842	13394214	160999	Intergenic	NM_201179	sars2	6.554803411	1.054120914	5.500682497	1.23E-18
peak_3021	chr11	28648345	28648657	55797	Intergenic	NM_212670	cstf1	5.719649537	0.219835396	5.499814141	2.22E-15
peak_2147	chr7	8350774	8351159	27811	Intergenic	NM_001004638	nit1	6.863784128	1.364650599	5.499133529	1.54E-17
peak_3173	chr14	25492062	25492390	70321	3' UTR (NM_131736, exon 36 of 36)	NR_030121		5.718814869	0.219835396	5.498979473	3.88E-15
peak_1936	chr2	43427066	43427393	121090	intron (NM_205735, intron 21 of 21)	NM_205735	pard3	6.206856367	0.709096771	5.497759595	4.06E-18
peak_12632	chr2	57754413	57755631	17112	intron (NM_212769, intron 6 of 6)	NM_212769	mbd3a	10.02826782	4.530523598	5.497744223	2.45E-07
peak_2420	chr17	18696941	18697395	21944	Intergenic	NM_001109698	ak7b	7.102161655	1.606593419	5.495568236	9.36E-17
peak_4354	chr17	31342176	31342611	45417	Intergenic	NM_001115147	prlh2r	7.526162833	2.031824933	5.4943379	3.24E-13
peak_2670	chr2	16762833	16763163	-99845	Intergenic	NM_001001951	ubxn7	5.712934184	0.219835396	5.493098788	3.68E-16
peak_2002	chr18	24082198	24082647	178158	Intergenic	NR_120393		7.908214285	2.41562392	5.492590365	6.58E-18
peak_7282	chr18	48110047	48111074	10709	intron (NM_001007334, intron 5 of 7)	NM_001007334	yif1b	8.819248311	3.327299006	5.491949305	2.99E-10
peak_2759	chr21	22046022	22046406	20382	intron (NM_001045422, intron 1 of 6)	NM_001045422	dub	5.711676157	0.219835396	5.491840761	5.98E-16
peak_2925	chr2	8663920	8664184	73516	intron (NM_001100084, intron 8 of 13)	NM_001100027	zzz3	5.711232089	0.219835396	5.491396693	1.46E-15
peak_2839	chr13	23035381	23035667	7934	intron (NM_001105681, intron 5 of 18)	NM_001244919	rufy2	5.710392536	0.219835396	5.49055714	9.43E-16
peak_4149	chr18	2116024	2116537	58432	exon (NM_207073, exon 10 of 11)	NM_207073	relt	8.570938184	3.081484652	5.489453532	1.66E-13
peak_3114	chr17	25057929	25058214	42244	Intergenic	NM_001114588	cln8	5.708736488	0.219835396	5.488901092	3.05E-15
peak_1438	chr18	19354121	19354535	-74604	Intergenic	NM_001045051	LOC564395	7.272023979	1.784363256	5.487660723	5.87E-20
peak_2641	chr23	31816874	31817101	-18121	Intergenic	NM_205722	tbpl1	5.707450247	0.219835396	5.487614852	3.27E-16
peak_5929	chr5	25258448	25258900	-6356	exon (NM_199932, exon 8 of 10)	NM_001002050	zgc:86607	7.805873295	2.318779611	5.487093684	2.00E-11
peak_2611	chr7	34849984	34850286	58411	Intergenic	NM_001003573	paqr5b	5.70660849	0.219835396	5.486773094	2.81E-16
peak_1844	chr18	30195576	30195985	-190238	Intergenic	NM_001080807	gse1	7.358650105	1.872143255	5.48650685	1.78E-18
peak_2603	chr4	7320406	7320657	-96415	Intergenic	NM_001030152	si:ch211-240l19.5	5.704501946	0.219835396	5.48466655	2.68E-16
peak_5052	chr14	37572255	37572682	-6943	3' UTR (NM_213200, exon 7 of 7)	NM_001128694	lrit3a	7.667048576	2.182425019	5.484623557	2.54E-12
peak_1617	chr3	5780956	5781327	92059	Intergenic	NM_001002476	polr3h	6.481973078	0.998175638	5.483797441	2.95E-19
peak_2667	chr3	21284513	21284837	65671	Intergenic	NM_207088	cdipt	5.702814493	0.219835396	5.482979097	3.61E-16
peak_2666	chr25	12610931	12611264	23419	exon (NM_001045173, exon 13 of 14)	NM_001045173	ndrg4	5.702814493	0.219835396	5.482979097	3.61E-16
peak_3731	chr19	27016659	27017310	106585	intron (NM_001044937, intron 4 of 20)	NM_001044937	npr1a	8.170138409	2.688357332	5.481781078	3.79E-14
peak_2047	chr25	35537106	35537446	145096	intron (NM_200662, intron 28 of 28)	NM_001110479	trpm1b	6.1894363	0.709096771	5.480339529	8.73E-18
peak_2728	chr7	30975409	30975732	-67489	Intergenic	NM_201067	rorab	5.697715547	0.219835396	5.477880151	5.14E-16
peak_1944	chr10	17517848	17518201	-3040	exon (NM_001080016, exon 11 of 12)	NM_001004549	nt5c2l1	6.186722431	0.709096771	5.47762566	4.25E-18
peak_2654	chr6	19765065	19765336	53870	Intergenic	NM_001037104	ppp1r27	5.696020133	0.219835396	5.476184737	3.42E-16
peak_1017	chr11	6111904	6112390	-9173	Intergenic	NM_001003752	babam1	7.758827079	2.28308389	5.475743189	3.31E-22
peak_3224	chr23	116572	116986	-6756	Intergenic	NM_130985	twist3	7.147799897	1.673255946	5.474543951	4.79E-15
peak_2634	chr14	31721049	31721384	24712	Intergenic	NM_212856	ubl3b	5.69389806	0.219835396	5.474062664	3.10E-16
peak_3174	chr4	4548372	4548792	76648	Intergenic	NM_001080651	creb3l2	7.287065093	1.813729373	5.473335719	3.89E-15
peak_2118	chr5	45558704	45559036	69899	Intergenic	NM_001013558	zgc:112966	6.299022156	0.825787209	5.473234946	1.32E-17
peak_1901	chr6	12084645	12085129	167207	Intergenic	NM_001077769	wdsub1	7.371195293	1.89931101	5.471884284	2.67E-18
peak_2418	chr5	33130176	33130503	-22806	Intergenic	NM_198982	p2rx1	5.956303497	0.48510786	5.471195637	9.25E-17
peak_2758	chr8	54291556	54291848	78106	intron (NM_001118893, intron 59 of 72)	NM_001118893	vps13a	5.690921903	0.219835396	5.471086508	5.97E-16
peak_3197	chr10	120984	121390	4082	intron (NM_001008616, intron 5 of 5)	NM_001008616	erg	5.690897074	0.219835396	5.471061678	4.35E-15
peak_17076	chr20	18562627	18563552	44595	intron (NM_001045125, intron 2 of 35)	NM_001045125	cdc42bpb	9.647857439	4.177205554	5.470651885	7.36E-06
peak_1532	chr20	22294388	22294847	1469	intron (NM_001024653, intron 1 of 31)	NM_001024653	kdr	7.479873664	2.009358568	5.470515095	1.56E-19
peak_3556	chr23	15280238	15280744	-132688	Intergenic	NM_001004114	phf20b	8.363126846	2.893881468	5.469245379	1.92E-14
peak_7903	chr20	34009974	34010970	-1601	TTS (NM_001030119)	NM_001030120	zp3a.2	8.077578679	2.609160782	5.468417897	8.18E-10
peak_3059	chr19	19012312	19012604	34198	Intergenic	NM_001044955	jazf1a	5.687939595	0.219835396	5.468104199	2.57E-15
peak_3131	chr11	19516947	19517246	994	exon (NM_001110031, exon 1 of 2)	NM_001110031	rhol	5.687513047	0.219835396	5.467677652	3.34E-15
peak_3132	chr23	28050086	28050423	13203	exon (NM_130990, exon 2 of 9)	NM_130990	acvr1b	5.687513047	0.219835396	5.467677652	3.34E-15
peak_2747	chr23	33836421	33836880	-64821	Intergenic	NM_001004288	itga5	5.68663467	0.219835396	5.466799275	5.68E-16
peak_2703	chr15	23170162	23170490	31936	Intergenic	NM_001001833	ift20	5.685780676	0.219835396	5.465945281	4.54E-16
peak_4074	chr17	53884788	53885176	-13949	Intergenic	NM_001045465	exd1	5.684473797	0.219835396	5.464638401	1.31E-13
peak_2075	chr11	43579292	43579590	5891	3' UTR (NM_001003590, exon 6 of 6)	NM_001003590	arf4a	6.1736497	0.709096771	5.464552929	9.91E-18
peak_2664	chr8	33375359	33375695	11325	intron (NM_001020514, intron 1 of 7)	NM_001020514	ncs1b	5.683643477	0.219835396	5.463808081	3.58E-16
peak_3910	chr13	10464961	10465285	45305	intron (NM_001142592, intron 32 of 37)	NM_001114569	abcg8	5.683240619	0.219835396	5.463405223	7.49E-14
peak_2683	chr16	39297909	39298212	-44931	Intergenic	NM_001111247	ctps1b	5.682359636	0.219835396	5.46252424	3.90E-16
peak_2695	chr11	27938074	27938390	-134202	Intergenic	NM_001002171_1	hdac11	5.681931435	0.219835396	5.462096039	4.17E-16
peak_2457	chr2	36536296	36536669	62000	Intergenic	NR_030658		5.947046777	0.48510786	5.461938917	1.19E-16
peak_2680	chr11	8586397	8586764	-61829	Intergenic	NM_001020583	tbl1xr1a	6.364681232	0.902938058	5.461743174	3.88E-16
peak_2724	chr9	13058238	13058462	-65036	Intergenic	NM_001122856	glb1l	5.681074652	0.219835396	5.461239256	5.05E-16
peak_2526	chr2	36367072	36367688	48	promoter-TSS (NM_001005316)	NM_001005316	klhl6	7.067089982	1.606593419	5.460496563	1.72E-16
peak_2772	chr6	33621408	33621642	1492	exon (NM_001017640, exon 4 of 10)	NM_001017640	akr1a1b	5.680217359	0.219835396	5.460381963	6.56E-16
peak_3771	chr20	42948722	42949481	36234	Intergenic	NM_001089390	si:ch211-215m21	7.858555887	2.398369115	5.460186772	4.53E-14
peak_2818	chr1	5161866	5162156	54338	Intergenic	NM_001256242	gtf3c3	5.676328145	0.219835396	5.456492749	8.32E-16
peak_3496	chr15	46673637	46674379	-66396	Intergenic	NM_205646	zgc:77147	8.765778471	3.309415645	5.456362826	1.49E-14
peak_3278	chr16	30785963	30786587	-20316	Intergenic	NM_001199754	nmt2	7.269612044	1.813729373	5.455882671	6.30E-15
peak_2766	chr13	42805392	42805783	28038	Intergenic	NM_001004568	cdc42ep3	5.675468026	0.219835396	5.45563263	6.31E-16
peak_1404	chr3	42010986	42011460	-74023	Intergenic	NM_001162443	snx8a	7.279992721	1.824490448	5.455502273	3.91E-20
peak_1131	chr8	52374777	52375226	62501	Intergenic	NM_001083854	ido1	7.564024894	2.110985617	5.453039278	1.74E-21
peak_2809	chr7	26961612	26962016	-12068	Intergenic	NM_001037684	mtm1	7.126013402	1.673255946	5.452757456	7.91E-16
peak_2089	chr16	51878303	51878784	-71656	intron (NM_001012368, intron 1 of 10)	NM_131612	pbx2	6.817248505	1.364650599	5.452597906	1.09E-17
peak_2213	chr16	23041252	23041877	22630	intron (NM_200628, intron 10 of 13)	NM_200628	skap2	9.250234688	3.798183164	5.452051525	2.42E-17
peak_2518	chr8	24442351	24442884	-11014	exon (NM_001002648, exon 10 of 16)	NM_199938	wasb	7.057199428	1.606593419	5.450606009	1.63E-16
peak_2080	chr15	14797902	14798215	-7214	Intergenic	NM_001077141	tada2a	6.141237164	0.691124799	5.450112365	1.02E-17
peak_1949	chr12	9398717	9399243	75038	Intergenic	NM_001002613	nrbf2b	6.676340685	1.226539182	5.449801504	4.33E-18
peak_2790	chr6	31490451	31490747	226771	Intergenic	NM_201025	pgm1	5.669432795	0.219835396	5.449597399	7.24E-16
peak_2267	chr15	24486440	24486956	20202	intron (NM_001007458, intron 7 of 21)	NM_001007458	vps53	6.938795468	1.490687863	5.448107605	3.53E-17
peak_3369	chr10	22940937	22941593	-6215	Intergenic	NM_001030178	kdm6bb	7.261307366	1.813729373	5.447577993	9.18E-15
peak_1413	chr8	13715482	13716064	-21286	Intergenic	NM_001130790	zgc:194990	7.496068581	2.049565995	5.446502585	4.43E-20
peak_2009	chr1	51001283	51001698	33557	intron (NM_001128699, intron 11 of 11)	NM_001128699	papss1	6.519433067	1.07379276	5.445640307	6.83E-18
peak_3280	chr11	18875317	18875667	102129	Intergenic	NM_001079955	dido1	5.665106406	0.219835396	5.44527101	6.34E-15
peak_2752	chr7	21160306	21160613	-36494	Intergenic	NM_001111237	snx15	5.663346902	0.219835396	5.443511507	5.82E-16
peak_2833	chr11	35695163	35695831	60265	intron (NM_001001818, intron 1 of 8)	NM_001001818	gnai2a	7.738841752	2.295539756	5.443301997	9.22E-16
peak_3659	chr15	25031906	25032230	16217	Intergenic	NM_001002314	hic1	5.662938336	0.219835396	5.44310294	2.89E-14
peak_2096	chr20	1789002	1789479	20217	intron (NM_001278799, intron 1 of 49)	NM_001278799	lama2	6.80764075	1.364650599	5.442990151	1.14E-17
peak_3745	chr11	27614711	27615035	20296	Intergenic	NM_001045307	acad9	5.662504331	0.219835396	5.442668935	4.01E-14
peak_13257	chr20	2344002	2344776	85022	Intergenic	NM_001044800	tmem200a	8.874143109	3.433397841	5.440745267	4.44E-07
peak_2831	chr11	18236003	18236555	-22763	Intergenic	NM_001077273	fam19a4b	6.665285123	1.226539182	5.438745941	9.00E-16
peak_3423	chr24	33826772	33827050	-39130	Intergenic	NM_001009912	rdh12l	5.658541613	0.219835396	5.438706217	1.13E-14
peak_2835	chr9	15245399	15245712	455316	Intergenic	NM_131520	fn1a	5.658131683	0.219835396	5.438296287	9.24E-16
peak_2059	chr18	19283728	19284084	-12115	Intergenic	NM_001080163	snapc5	6.511502466	1.07379276	5.437709706	9.29E-18
peak_2900	chr17	49258250	49258632	154585	Intergenic	NM_001256221	LOC553223	5.657260644	0.219835396	5.437425248	1.29E-15
peak_3257	chr9	27637725	27638252	500829	Intergenic	NM_131023	efnb2a	7.250340888	1.813729373	5.436611515	5.76E-15
peak_2181	chr6	3105106	3105529	-36071	Intergenic	NM_200355	st3gal3a	6.801137967	1.364650599	5.436487368	1.97E-17
peak_3113	chr12	16622445	16622820	108955	Intergenic	NM_001162849	nmt1b	5.655516986	0.219835396	5.435681591	3.04E-15
peak_2950	chr2	26820240	26820641	-10699	intron (NM_001256603, intron 4 of 9)	NM_001002745	impa1	5.655055289	0.219835396	5.435219893	1.65E-15
peak_2119	chr10	10676576	10676821	-28078	Intergenic	NM_001017737	slc27a4	6.125226196	0.691124799	5.434101397	1.33E-17

peak_2870	chr15	32422046	32422503	281840	Intergenic	NM_199743	zgc:73340	7.14793684	1.713875669	5.434061171	1.14E-15
peak_1925	chr9	28553190	28553638	-109343	intron (NM_001045137, intron 5 of 25)	NM_200931	kdelc1	7.12191523	1.688580643	5.433334587	3.63E-18
peak_2584	chr8	31319434	31319985	15506	intron (NM_001126396, intron 6 of 10)	NM_001126396	pgm5	9.011946015	3.578688569	5.433257446	2.33E-16
peak_2491	chr7	65479465	65479877	90420	Intergenic	NM_200380	chmp5b	6.124299367	0.691124799	5.433174568	1.43E-16
peak_1911	chr15	19157227	19157807	37135	Intergenic	NM_200810	ppp1r14ab	6.503742059	1.07379276	5.4299493	3.09E-18
peak_1278	chr1	48337555	48337964	9033	exon (NM_001077556, exon 5 of 18)	NM_001077556	ccdc147	7.120809884	1.691450492	5.429359392	1.11E-20
peak_918	chr3	60974958	60975475	20919	intron (NM_201098, intron 2 of 13)	NM_201098	sec14l1	8.412529693	2.98439433	5.428135363	6.86E-23
peak_2008	chr1	34155844	34156266	26371	intron (NM_207062, intron 1 of 5)	NM_207062	klf12a	6.500103233	1.07379276	5.426310474	6.81E-18
peak_2700	chr5	22007413	22007817	-19215	Intergenic	NM_205694	dao.3	7.032340228	1.606593419	5.425746809	4.42E-16
peak_2893	chr14	22890837	22891329	26717	intron (NM_131007, intron 3 of 5)	NM_131007	spon2a	8.131617691	2.706473371	5.42514432	1.27E-15
peak_2869	chr12	37193409	37193700	37603	exon (NM_200236, exon 13 of 15)	NM_200236	unk	5.642320587	0.219835396	5.422485191	1.12E-15
peak_2456	chr17	23694107	23694457	-60671	Intergenic	NM_200645	pex13	6.325371293	0.902938058	5.422433234	1.18E-16
peak_2108	chr18	28407431	28407824	285275	intron (NM_131515, intron 7 of 15)	NM_131515	spon1a	6.467855452	1.045780477	5.422074975	1.21E-17
peak_3135	chr12	35430980	35431439	15471	3' UTR (NM_001142375, exon 6 of 6)	NM_001142375	trim8b	7.193364869	1.771592457	5.421772413	3.37E-15
peak_5563	chr16	8656539	8657404	5801	exon (NM_199515, exon 3 of 7)	NM_199515	prdm1a	7.650691885	2.229879429	5.420812456	9.01E-12
peak_2796	chr18	42804902	42805159	-86936	exon (NM_001123012, exon 13 of 17)	NM_001045140	si:ch211-151h10.	5.640558768	0.219835396	5.420723372	7.60E-16
peak_2184	chr5	36139790	36140187	-27327	Intergenic	NM_198870	aif1l	6.646082937	1.226539182	5.419543755	2.00E-17
peak_2781	chr18	15969400	15969628	63540	Intergenic	NM_001045074	alx1	5.638794795	0.219835396	5.418959399	7.04E-16
peak_8474	chr12	33851955	33852697	5814	TTS (NM_001197059)	NM_001197059	hlfb	8.609301212	3.190480009	5.418821203	2.03E-09
peak_2208	chr11	46329065	46329518	-15737	intron (NM_001077304, intron 3 of 11)	NM_001110486_1	zgc:158292	6.127447639	0.709096771	5.418350867	2.38E-17
peak_2798	chr24	15567591	15567882	-15597	Intergenic	NM_001098738	cbln2b	5.637911999	0.219835396	5.418076603	7.63E-16
peak_2799	chr7	29291459	29291773	192947	Intergenic	NM_173219	lmo1	5.637911999	0.219835396	5.418076603	7.63E-16
peak_1931	chr5	67732472	67732903	27149	intron (NM_001080575, intron 24 of 58)	NR_030136		6.490326054	1.07379276	5.416533294	3.83E-18
peak_5573	chr6	9681140	9681792	-14811	Intergenic	NM_130936	klfd	7.588716387	2.172505924	5.416210462	9.27E-12
peak_2618	chr4	1289729	1290036	-9614	Intergenic	NM_001003981	ptn	5.900587002	0.48510786	5.415479142	2.88E-16
peak_3314	chr16	20537569	20538996	44988	Intergenic	NM_131238	rxrbb	5.634792137	0.219835396	5.414956742	7.20E-15
peak_9632	chr24	3440906	3441926	-21031	Intergenic	NM_001033726	zgc:113390	9.633030787	4.218129815	5.414900972	9.95E-09
peak_9246	chr16	30923071	30923525	-36718	Intergenic	NM_001114583	abcb4	8.37816584	2.963290432	5.414875408	5.87E-09
peak_2097	chr18	27229887	27230245	30855	exon (NM_001136243, exon 19 of 27)	NM_200194	zgc:56106	6.122704245	0.709096771	5.413607474	1.14E-17
peak_3033	chr3	37550028	37550311	16214	Intergenic	NM_201504	arf2	5.632577994	0.219835396	5.412742599	2.34E-15
peak_14906	chr24	39279088	39280305	-23136	intron (NM_001030270, intron 5 of 11)	NM_001077741	telo2	9.351570649	3.939118388	5.41245226	1.69E-06
peak_3384	chr10	22440515	22440831	-90165	Intergenic	NM_131637	cldn7b	5.631717254	0.219835396	5.411881859	9.63E-15
peak_1487	chr18	18122523	18123091	24307	intron (NM_199521, intron 2 of 2)	NM_199521	siah1	7.90342575	2.492435027	5.410990723	1.00E-19
peak_5075	chr8	38137892	38138650	17780	3' UTR (NM_001123234, exon 28 of 28)	NM_001126443	renbp	7.566005437	2.155703238	5.410302198	2.74E-12
peak_2852	chr5	67648799	67649141	-17862	exon (NM_201076, exon 6 of 11)	NM_001034180	tor2a	5.629916529	0.219835396	5.410081134	1.00E-15
peak_2099	chr20	40538319	40538710	-19575	Intergenic	NM_131867	hsf2	6.636352911	1.226539182	5.40981373	1.16E-17
peak_7890	chr11	41924869	41925602	8001	intron (NM_001089510, intron 1 of 8)	NM_001089510	tnfrsf1b	8.221315412	2.812283459	5.409031953	7.95E-10
peak_4161	chr13	4945058	4945385	-204091	Intergenic	NM_001039639	abcg2c	5.627720826	0.219835396	5.407885431	1.70E-13
peak_1734	chr21	40953026	40953679	176916	Intergenic	NM_001256250	gabrg2	7.439191475	2.03382562	5.405365855	7.85E-19
peak_3407	chr13	1058592	1059057	31447	Intergenic	NM_001256207	perp	7.219025577	1.813729373	5.405296204	1.08E-14
peak_2891	chr21	27047080	27047471	-77993	intron (NM_001079970, intron 22 of 23)	NR_023323		5.625024388	0.219835396	5.405188993	1.26E-15
peak_2632	chr7	40814809	40815447	19535	Intergenic	NM_001017587	tnni2b.1	7.010790733	1.606593419	5.404197314	3.09E-16
peak_2276	chr14	48119663	48120046	25441	Intergenic	NM_001080662	shisa3	6.229628838	0.825787209	5.403841629	3.94E-17
peak_4224	chr11	27931251	27931773	-140922	Intergenic	NM_001002171_1	hdac11	8.483140946	3.079653132	5.403487814	2.15E-13
peak_3323	chr5	23808796	23809367	1605	exon (NM_001126376, exon 2 of 4)	NM_001126376	asb12a	7.117330417	1.713875669	5.403454748	7.62E-15
peak_2927	chr24	37096761	37097731	37943	Intergenic	NM_131887	cebpd	7.729841256	2.327531544	5.402309712	1.46E-15
peak_3214	chr11	18834163	18834438	-139900	Intergenic	NM_200467	tmem110	5.621902548	0.219835396	5.402067152	4.65E-15
peak_2903	chr6	2433211	2434092	-4378	Intergenic	NM_200334	hyi	9.252799947	3.85084718	5.401952767	1.31E-15
peak_3118	chr23	20411848	20412170	2788	intron (NM_198070, intron 2 of 13)	NM_198070	tktb	5.621429965	0.219835396	5.401594569	3.07E-15
peak_3327	chr4	11323182	11323451	27275	intron (NM_201169, intron 11 of 12)	NM_201169	cnot4b	5.621009351	0.219835396	5.401173956	7.71E-15
peak_1313	chr19	45212034	45212832	12029	intron (NM_212781, intron 1 of 16)	NM_212781	yrk	9.249255357	3.848563819	5.400691538	1.44E-20
peak_2939	chr2	22789335	22789626	-19618	Intergenic	NM_131213	rnf2	5.619642432	0.219835396	5.399807037	1.57E-15
peak_1902	chr11	41513101	41513552	-7040	Intergenic	NM_205591	uts2b	7.666717698	2.267453635	5.399264063	2.78E-18
peak_3858	chr10	32645628	32646297	45151	intron (NM_001115066, intron 1 of 6)	NM_001115066	esama	8.965095059	3.566351297	5.398743762	6.40E-14
peak_2239	chr15	16923034	16923366	85164	Intergenic	NM_001020720	zgc:113279	6.087497353	0.691124799	5.396372554	2.85E-17
peak_6363	chr16	42231936	42232828	4967	intron (NM_182855, intron 1 of 7)	NM_182855	tgfbr2	8.505615001	3.109437404	5.396177597	5.12E-11
peak_4039	chr21	24257003	24257451	-5459	Intergenic	NM_001082863	jam3b	7.603201681	2.207311612	5.395890069	1.17E-13
peak_1540	chr12	19652754	19653135	20839	exon (NM_001044903, exon 5 of 16)	NM_001044903	grid2ipb	6.991701402	1.596973593	5.394727809	1.69E-19
peak_2189	chr23	19601204	19601652	-82291	Intergenic	NM_131871	guca1b	6.759024161	1.364650599	5.394373562	2.11E-17
peak_2961	chr11	24092169	24092459	61392	Intergenic	NM_001003583	optc	5.879411363	0.48510786	5.394303503	1.74E-15
peak_3017	chr4	17490604	17490872	-5795	Intergenic	NM_001006066	cradd	5.612470073	0.219835396	5.392634677	2.19E-15
peak_3475	chr25	12293857	12294133	244853	intron (NM_001256664, intron 11 of 16)	NM_001256664	ntrk3a	5.612443856	0.219835396	5.39260846	1.35E-14
peak_1463	chr14	19864447	19864934	-8049	Intergenic	NM_130945	flt4	7.805370483	2.413352871	5.392017612	7.77E-20
peak_2934	chr17	53607277	53608310	-55396	Intergenic	NM_001076722	zgc:154061	9.227103946	3.835988401	5.391115545	1.51E-15
peak_3329	chr9	8855274	8855685	95897	Intergenic	NM_212771	rab20	7.237551702	1.846475529	5.391076172	7.72E-15
peak_5034	chr7	21170447	21171151	-46834	Intergenic	NM_001111237	snx15	9.455314577	4.064270932	5.391043645	2.45E-12
peak_1730	chr19	31944858	31945755	66293	Intergenic	NM_001003606	fam49a	8.901271539	3.511065375	5.390206163	7.73E-19
peak_3401	chr2	26758910	26759187	5981	exon (NM_199747, exon 7 of 7)	NM_199747	lrrc42	5.609320918	0.219835396	5.389485522	1.06E-14
peak_5934	chr5	38370489	38371326	40017	Intergenic	NM_001017863	ppp1r14aa	8.199070663	2.809720654	5.389350009	2.03E-11
peak_2997	chr21	7963663	7964075	-41608	Intergenic	NM_001159586	lhx2a	5.608393605	0.219835396	5.388558209	2.00E-15
peak_4064	chr4	7643371	7643769	-53172	Intergenic	NM_130937	wnt5b	5.605713446	0.219835396	5.385878051	1.28E-13
peak_2252	chr21	38971024	38971442	28385	Intergenic	NM_001004539	serpinf1	6.612245361	1.226539182	5.385706179	3.04E-17
peak_5681	chr14	1579234	1579744	-38528	intron (NM_001289886, intron 1 of 6)	NM_001045338	hrh2	8.002579165	2.61687317	5.385705996	1.17E-11
peak_2874	chr23	9249215	9249549	-77967	Intergenic	NM_201191	rps21	5.605235529	0.219835396	5.385400134	1.16E-15
peak_2453	chr10	35562288	35562563	-150865	Intergenic	NM_001013500	nbeaa	5.85979236	0.474639816	5.385152544	1.18E-16
peak_2880	chr16	26204163	26204425	3725	Intergenic	NM_131098	apoeb	5.604331951	0.219835396	5.384496555	1.19E-15
peak_3170	chr1	45794994	45795475	973	intron (NM_001256730, intron 1 of 4)	NM_001256730	emp1	7.057684979	1.673255946	5.384429033	3.83E-15
peak_16592	chr19	28261907	28262778	-28	promoter-TSS (NM_001099987)	NM_001099987	adcy2b	9.38200873	3.99776735	5.38424138	5.56E-06
peak_3765	chr20	25456647	25456971	-15021	Intergenic	NM_001144800	itsn2a	5.602496696	0.219835396	5.3826613	4.45E-14
peak_1883	chr17	32380004	32380567	195498	Intergenic	NM_001077604	klf11b	8.136869667	2.755074988	5.381794679	2.37E-18
peak_1917	chr15	33632454	33632852	82117	intron (NM_212883, intron 12 of 12)	NM_212883	agmo	6.850083601	1.468301591	5.38178201	3.40E-18
peak_8937	chr19	3209139	3210050	-79130	Intergenic	NM_001261449	il6	8.097820528	2.716259194	5.381561333	3.85E-09
peak_2933	chr19	17353441	17354163	65411	intron (NM_001039524, intron 5 of 7)	NM_001039524	zfpm2b	8.113501882	2.732236189	5.381265694	1.49E-15
peak_5337	chr18	23975860	23976681	284310	Intergenic	NR_120393		9.657909209	4.277281307	5.380627902	5.16E-12
peak_2378	chr21	18632673	18633125	23362	intron (NM_214756, intron 10 of 21)	NM_214756	nnt	6.453347436	1.07379276	5.379554676	7.13E-17
peak_3299	chr11	24974900	24975165	-19351	Intergenic	NM_212869	trib3	5.599325672	0.219835396	5.379490276	6.74E-15
peak_2261	chr2	9117803	9118216	155872	intron (NM_212625, intron 4 of 4)	NM_212625	st6galnac3	6.087497353	0.709096771	5.378400582	3.33E-17
peak_3110	chr12	36788778	36789056	-75909	Intergenic	NM_200770	fscn2b	5.597510523	0.219835396	5.377675128	3.02E-15
peak_3564	chr8	42324648	42324950	-30243	Intergenic	NM_213167	kdm2ba	5.597082877	0.219835396	5.377247482	1.96E-14
peak_2041	chr23	31593454	31593860	17729	Intergenic	NM_001243176	hmgn3	6.201471412	0.825787209	5.375684203	8.14E-18
peak_2919	chr8	24329527	24329791	-45290	Intergenic	NM_001014824	sema3gb	5.593873361	0.219835396	5.374037966	1.39E-15
peak_2918	chr15	20676995	20677224	3789	exon (NM_001160409, exon 6 of 6)	NM_001160409	zgc:162339	5.593873361	0.219835396	5.374037966	1.39E-15
peak_2473	chr9	3590621	3590988	45906	intron (NM_001199724, intron 13 of 22)	NM_001199724	tlk1a	5.847985764	0.474639816	5.373345948	1.26E-16
peak_3160	chr25	24889376	24889911	36351	Intergenic	NM_001003619	uevld	7.087174003	1.713875669	5.373298334	3.69E-15
peak_7506	chr4	11345574	11346139	4735	intron (NM_201169, intron 1 of 12)	NM_201169	cnot4b	9.238284205	3.865189563	5.373094642	4.39E-10
peak_2449	chr15	21801660	21802085	-114018	Intergenic	NM_001110169_2	zgc:171957	7.77934016	2.406293475	5.373046685	1.17E-16
peak_1789	chr3	19209752	19210151	-19655	Intergenic	NM_001007316	s1pr5a	6.775408497	1.402722361	5.372686137	1.14E-18
peak_1739	chr11	35385410	35385775	24137	Intergenic	NM_001037377	pfkfb4	6.573893796	1.201365817	5.372527979	8.03E-19
peak_5600	chr19	38700449	38701338	2440	Intergenic	NM_001044823	cx39.4	8.770118785	3.397827886	5.372290899	9.86E-12
peak_3026	chr1	24909208	24909620	18739	Intergenic	NM_001105703	zgc:171777	5.590227006	0.219835396	5.370391611	2.28E-15
peak_6139	chr21	767176	767821	65060	Intergenic	NM_194432	oaz2a	8.399011725	3.029752972	5.369258753	3.30E-11
peak_10610	chr9	34876368	34877087	15494	Intergenic	NR_039077		8.322400933	2.953659189	5.368741745	3.11E-08
peak_3209	chr7	36020863	36021159	-54194	Intergenic	NM_001113472	slc9a5	5.588400367	0.219835396	5.368564971	4.59E-15
peak_2228	chr8	10207185	10207675	22260	intron (NM_001013452, intron 11 of 16)	NM_001013452	ptpn18	6.698574856	1.330227956	5.3683469	2.59E-17
peak_3530	chr19	1258288	1258926	12817	Intergenic	NM_001113601	scrt1a	8.120006002	2.751875264	5.368130738	1.75E-14

peak_16438	chr4	2623281	2624562	-33783	Intergenic	NM_001044997	slco1c1	9.322604966	3.95466894	5.367936025	5.04E-06
peak_2504	chr22	41084729	41085075	11104	Intergenic	NM_001003489	tm4sf4	6.617615746	1.251205952	5.366409794	1.51E-16
peak_2095	chr22	33004344	33004750	-15702	Intergenic	NM_131237	mxi1	6.24570415	0.87932337	5.366380781	1.14E-17
peak_3126	chr10	18516267	18516568	-392659	Intergenic	NM_199776	ppp2r2d	5.585629356	0.219835396	5.36579396	3.31E-15
peak_1889	chr9	15112724	15113126	-331859	Intergenic	NM_212966	nrp2b	6.36386504	0.998175638	5.365689402	2.50E-18
peak_4758	chr4	10976814	10977238	-36571	Intergenic	NM_001045002	btbd11a	7.442987019	2.077505579	5.36548144	1.11E-12
peak_3091	chr12	35848092	35848372	30849	intron (NM_001030125, intron 2 of 20)	NM_001030125	camk2g1	5.585171455	0.219835396	5.36533606	2.84E-15
peak_2994	chr16	8090235	8090492	-26973	Intergenic	NM_001271459	mbpb	5.583796882	0.219835396	5.363961486	2.00E-15
peak_2509	chr7	52334622	52335218	30494	Intergenic	NM_001128787	pcolceb	8.050478476	2.687086653	5.363391823	1.54E-16
peak_2720	chr7	26091895	26092257	43244	Intergenic	NM_001012366	krcp	6.969541735	1.606593419	5.362948317	4.95E-16
peak_5686	chr4	4546486	4547103	78436	Intergenic	NM_001080651	creb3l2	8.123182047	2.760518657	5.36266339	1.18E-11
peak_10248	chr10	25094495	25095315	3538	exon (NM_199977, exon 6 of 14)	NM_199977	vps36	8.218291841	2.856709491	5.36158235	2.06E-08
peak_9619	chr4	18004536	18005762	2373	intron (NM_199533, intron 1 of 7)	NM_199533	rap1b	8.575040526	3.214712191	5.360328335	9.79E-09
peak_1664	chr18	27758153	27759234	77413	exon (NM_001002439, exon 7 of 9)	NM_001002439	tspan18b	9.11640576	3.759282115	5.357123645	4.55E-19
peak_3425	chr6	59248394	59248922	111952	Intergenic	NM_001033751	fam210b	7.203569884	1.846475529	5.357094355	1.13E-14
peak_2238	chr5	67633924	67634205	-2956	exon (NM_201076, exon 11 of 11)	NM_001034180	tor2a	6.065613587	0.709096771	5.356516816	2.82E-17
peak_7663	chr8	38806498	38807136	-5523	Intergenic	NM_001128335	adrb3a	8.3887344	3.033323799	5.355410601	5.69E-10
peak_3275	chr19	8211474	8211862	-8804	exon (NM_001128341, exon 3 of 3)	NM_001003989	s100s	6.063661884	0.709096771	5.354565112	6.24E-15
peak_2563	chr24	43596486	43596759	-18838	Intergenic	NM_001007435	arhgap28	5.827179997	0.474639816	5.352540181	2.03E-16
peak_3054	chr5	45103203	45103434	14192	intron (NM_001099974, intron 6 of 9)	NM_001099974	rhobtb2a	5.572263928	0.219835396	5.352428533	2.49E-15
peak_3053	chr3	41757308	41757554	28529	Intergenic	NM_001003430	grifin	5.572263928	0.219835396	5.352428533	2.49E-15
peak_5033	chr22	14115216	14116245	-6565	Intergenic	NM_001017749	arl4ca	8.925318594	3.574281838	5.351036756	2.43E-12
peak_1082	chr6	33714653	33715567	-21598	Intergenic	NM_001114441	ap1m3	8.669696465	3.319394032	5.350302433	8.07E-22
peak_1649	chr18	36739060	36739491	13006	Intergenic	NM_131111	lmo2	6.736072132	1.386061866	5.350010266	4.19E-19
peak_3230	chr11	38442781	38443241	-28051	Intergenic	NM_001040385	egfl7	6.840523302	1.490687863	5.349835439	5.04E-15
peak_9723	chr21	24255177	24256308	-6944	Intergenic	NM_001082863	jam3b	8.165619046	2.81595363	5.349665416	1.12E-08
peak_12503	chr12	5416073	5416787	30764	Intergenic	NM_001143904	irf3	8.580692595	3.231546658	5.349145938	2.20E-07
peak_268	chr17	17625542	17626305	-8982	Intergenic	NM_001020619	sptlc2a	9.534735426	4.185825229	5.348910197	4.96E-31
peak_906	chr10	16287852	16288700	33829	intron (NM_001002080, intron 1 of 3)	NM_001163654_1	slc12a2	8.573662994	3.225277972	5.348385023	5.72E-23
peak_3092	chr23	25444394	25444642	21257	Intergenic	NM_200800	fam3a	5.567171977	0.219835396	5.347336582	2.85E-15
peak_1611	chr14	405435	406133	86060	Intergenic	NM_001017768	cops6	8.964569616	3.617538613	5.347031004	2.82E-19
peak_4585	chr15	4034292	4034970	-48489	Intergenic	NM_199855	rnf168	7.573323457	2.226763905	5.346559552	6.79E-13
peak_7127	chr8	39080093	39080533	48711	Intergenic	NM_001039526	prlhr2a	7.776618031	2.431948405	5.344669626	2.20E-10
peak_1421	chr15	34676282	34676665	126847	Intergenic	NM_001080189_1	zgc:158328	6.931598757	1.587289192	5.344309566	5.00E-20
peak_7880	chr16	8771173	8771955	-101741	Intergenic	NM_001001848	popdc3	8.714557514	3.370854645	5.343702869	7.80E-10
peak_2211	chr7	57902522	57902888	23884	Intergenic	NM_001077337	dpep1	6.537588578	1.19500324	5.342585338	2.40E-17
peak_6555	chr18	20225096	20225883	13559	intron (NM_131355, intron 13 of 21)	NM_131355	kif23	7.901506798	2.560495243	5.341011555	7.42E-11
peak_2278	chr17	23699836	23700184	-54943	Intergenic	NM_200645	pex13	6.049731918	0.709096771	5.340635147	3.97E-17
peak_3089	chr2	42885742	42886033	37363	intron (NM_001143752, intron 12 of 15)	NM_001002469		5.560172133	0.219835396	5.340336738	2.83E-15
peak_3608	chr19	39875689	39876185	92535	Intergenic	NM_001044795	smap2	7.863401026	2.524806267	5.338594758	2.33E-14
peak_4869	chr9	11122425	11122897	126992	Intergenic	NM_001002196	gmppaa	7.416009779	2.077505579	5.3385042	1.60E-12
peak_3030	chr18	43339209	43339511	13069	exon (NM_001025169, exon 7 of 11)	NM_001025169	pex16	5.557840361	0.219835396	5.338004965	2.33E-15
peak_3040	chr9	28758983	28759347	5137	exon (NM_001128557, exon 5 of 14)	NM_001128557	lcmt2	5.557373553	0.219835396	5.337538158	2.38E-15
peak_3067	chr23	22327850	22328123	38789	Intergenic	NM_001136488	phc2a	5.556439486	0.219835396	5.33660409	2.65E-15
peak_3099	chr5	56050693	56050980	42471	exon (NM_001020519, exon 8 of 11)	NM_199621	lnpep	5.555972225	0.219835396	5.336136829	2.89E-15
peak_3228	chr7	62534382	62534679	92120	Intergenic	NM_213147	acox3	5.554101667	0.219835396	5.334266272	4.93E-15
peak_4948	chr10	45492603	45493240	-3690	Intergenic	NM_001006044	cldn5b	8.422386909	3.088240697	5.334146212	1.91E-12
peak_3418	chr18	44388062	44388476	8984	intron (NM_201026, intron 7 of 13)	NR_039360		5.552228681	0.219835396	5.332393285	1.11E-14
peak_4471	chr21	7566413	7566925	21001	intron (NM_001030261, intron 12 of 12)	NM_001030261	wdr41	8.37458155	3.044372441	5.33020911	4.98E-13
peak_3758	chr4	5849254	5849614	127956	intron (NM_001030082, intron 7 of 20)	NM_001159823	lyrm5a	5.549884024	0.219835396	5.330048628	4.26E-14
peak_4136	chr25	34783919	34784785	51176	Intergenic	NM_001172680	zgc:136826	7.292973647	1.963531935	5.329441711	1.60E-13
peak_5247	chr3	58466039	58466437	14168	intron (NM_213296, intron 2 of 8)	NM_213296	timp2b	5.548420585	0.219835396	5.32858519	4.19E-12
peak_1238	chr10	34606839	34607319	4959	3' UTR (NM_200088, exon 8 of 8)	NM_200088	c21orf59	7.699203573	2.372748317	5.326455256	7.41E-21
peak_3079	chr7	52129497	52129881	-147956	Intergenic	NM_212439	per1b	5.545626554	0.219835396	5.325791158	2.80E-15
peak_10042	chr17	4636380	4637150	-192184	Intergenic	NM_201084	cdc5l	8.18141755	2.855751674	5.325665877	1.63E-08
peak_1621	chr20	13571867	13572737	3054	intron (NM_001004548, intron 5 of 9)	NM_001004548	tagapb	7.289323901	1.965220699	5.324103202	3.15E-19
peak_3279	chr6	12846956	12847336	13109	Intergenic	NM_131882	cxcr4a	6.015036652	0.691124799	5.323911853	6.30E-15
peak_5760	chr15	7067938	7069090	-35302	Intergenic	NM_001166166	her8.2	8.924224923	3.600613909	5.323611014	1.38E-11
peak_1921	chr24	6116386	6117010	-8868	Intergenic	NM_001017656	pdss1	7.113665274	1.790139794	5.32352548	3.49E-18
peak_5701	chr23	23321223	23321845	152025	Intergenic	NM_001003830	noc2l	7.752507862	2.429240453	5.323267409	1.21E-11
peak_2137	chr4	9788762	9789411	2767	intron (NM_001290178, intron 3 of 67)	NM_001290178	stab2	7.961345672	2.638535303	5.322810369	1.44E-17
peak_1707	chr7	53077941	53078684	16508	Intergenic	NM_001005589	rps4x	8.306962159	2.985036197	5.321925962	6.33E-19
peak_3935	chr16	40878307	40878776	11533	intron (NM_200636, intron 6 of 26)	NM_200636	myo1eb	7.488116312	2.166653625	5.321462687	8.10E-14
peak_3382	chr4	10057066	10057387	31868	intron (NM_001130603, intron 2 of 11)	NM_001130603	tmtc2	5.540911861	0.219835396	5.321076465	9.59E-15
peak_2024	chr4	24992470	24992952	3293	intron (NM_001099980, intron 1 of 20)	NM_001099980	fgd6	7.78822533	2.467309337	5.320915992	7.59E-18
peak_1885	chr11	31335998	31336462	-53014	Intergenic	NM_001076640	tmem178	6.326177578	1.00546592	5.320711658	2.46E-18
peak_3442	chr13	37158776	37159026	4419	intron (NM_199913, intron 2 of 32)	NM_199913	map4k5	5.540439543	0.219835396	5.320604148	1.20E-14
peak_3502	chr24	6130268	6130587	-22597	intron (NM_200634, intron 10 of 16)	NM_001017656	pdss1	5.539967071	0.219835396	5.320131675	1.52E-14
peak_4272	chr9	12696705	12697223	4062	intron (NM_001089454, intron 2 of 2)	NM_001089454	zgc:162707	8.403643798	3.084929856	5.318713943	2.50E-13
peak_2341	chr8	43700506	43700940	14368	Intergenic	NM_001123259	si:ch211-158d24.	6.648495636	1.330227956	5.31826768	6.01E-17
peak_1875	chr8	4253863	4254190	-22642	Intergenic	NM_200864	zgc:77875	6.3774465	1.059854605	5.317591895	2.25E-18
peak_3229	chr20	30901673	30901985	25026	Intergenic	NM_200198	hebp2	5.537101359	0.219835396	5.317265964	5.03E-15
peak_5980	chr19	28243369	28243937	18661	intron (NM_001099987, intron 1 of 24)	NM_001099987	adcy2b	7.546207947	2.229879429	5.316328517	2.24E-11
peak_3163	chr11	46126737	46127013	21702	intron (NM_212941, intron 1 of 2)	NM_212941	mafgb	5.535680191	0.219835396	5.315844796	3.72E-15
peak_3144	chr15	36102292	36102665	-141808	Intergenic	NM_205576	psenen	5.535206157	0.219835396	5.315370762	3.50E-15
peak_4462	chr15	16175953	16176526	12682	exon (NM_212706, exon 13 of 16)	NM_212706	cul5a	7.309601841	1.994825282	5.314776559	4.87E-13
peak_9629	chr6	92883	93652	5231	TTS (NM_001045449)	NM_001045449	zglp1	9.493505217	4.179070725	5.314434492	9.93E-09
peak_3339	chr2	3106762	3107118	16187	intron (NM_001113597, intron 13 of 15)	NM_001002189	bambib	5.868517695	0.554393687	5.314124008	8.07E-15
peak_2898	chr6	39133423	39133982	-3926	3' UTR (NM_001075108, exon 15 of 15)	NM_200051	c1galt1b	6.767559971	1.453857079	5.313702893	1.28E-15
peak_3208	chr14	1772335	1772812	14649	Intergenic	NM_001024185	pcdh2g13	6.986835894	1.673255946	5.313579948	4.56E-15
peak_1033	chr4	45406455	45407496	-148638	Intergenic	NM_001128300	LOC100008037	7.413561705	2.100188832	5.313372873	4.23E-22
peak_3148	chr17	19325511	19325773	-3668	exon (NM_173261, exon 21 of 24)	NM_001109699	zgc:165580	5.532833648	0.219835396	5.312998253	3.54E-15
peak_3147	chr14	17760827	17761169	5674	Intergenic	NM_001159840	olfcg1	5.532833648	0.219835396	5.312998253	3.54E-15
peak_3210	chr15	22082517	22082802	-154647	Intergenic	NM_001003748	sgcg	5.531408268	0.219835396	5.311572872	4.59E-15
peak_4483	chr10	16279472	16280082	25330	intron (NM_001002080, intron 1 of 3)	NM_001163654_1	slc12a2	7.306271821	1.994825282	5.311446539	5.10E-13
peak_1505	chr23	5827711	5828121	5355	intron (NM_205567, intron 1 of 5)	NM_205567	csrp1a	7.172574413	1.861154163	5.31142025	1.21E-19
peak_1482	chr8	17645033	17645521	-17624	Intergenic	NM_001083560	zgc:162295	7.10393015	1.792814747	5.311115403	9.50E-20
peak_6906	chr3	27942958	27943521	5433	intron (NM_001082872, intron 4 of 6)	NM_001082872	nat15	7.693260829	2.382410128	5.310850701	1.42E-10
peak_4364	chr1	47348204	47348820	-18636	intron (NM_213425, intron 5 of 9)	NM_001278811	si:ch73-160h15.3	7.796293911	2.486147892	5.310146019	3.40E-13
peak_3271	chr18	16403267	16403691	-4814	Intergenic	NM_001007290	rnf141	6.983007244	1.673255946	5.309751298	6.02E-15
peak_3799	chr1	53434309	53435291	146589	Intergenic	NM_001081629	smarca5	10.01264853	4.704465529	5.308183002	4.99E-14
peak_2631	chr2	9302890	9303216	6002	exon (NM_001007364, exon 5 of 8)	NM_001007364	cope	6.353669432	1.045780477	5.307888955	3.08E-16
peak_7862	chr17	15554064	15554773	33698	Intergenic	NM_001113502	cx52.7	9.138031723	3.830943258	5.307088466	7.63E-10
peak_1802	chr21	29194221	29194634	17541	intron (NM_001077287, intron 1 of 18)	NM_001077287	afap1l1b	6.366532072	1.059854605	5.306677467	1.32E-18
peak_5079	chr5	38374442	38375415	44038	Intergenic	NM_001017863	ppp1r14aa	8.61336857	3.306791294	5.306577276	2.76E-12
peak_4537	chr13	44274685	44275162	5982	intron (NM_001160346, intron 2 of 6)	NM_001160346	zfyve21	7.213563738	1.907116997	5.30644674	5.98E-13
peak_6852	chr7	25005387	25005906	34618	Intergenic	NM_001082848	zgc:162171	7.672884589	2.367686229	5.30519836	1.29E-10
peak_2663	chr12	29683891	29684497	212993	Intergenic	NM_001130772	zgc:195081	5.790218982	0.48510786	5.305111122	3.57E-16
peak_2043	chr19	23456733	23457417	-28456	exon (NM_001130399, exon 34 of 70)	NM_130987	gdf6b	7.180673271	1.875636386	5.305036885	8.47E-18
peak_3252	chr5	43462246	43462600	-39452	Intergenic	NM_001256684	alkbh2	5.524709948	0.219835396	5.304874552	5.66E-15
peak_4140	chr13	23924676	23924989	55758	Intergenic	NM_001002523	rgs17	5.524260165	0.219835396	5.304424769	1.63E-13
peak_2328	chr23	31458877	31459309	-24881	Intergenic	NM_001020771	irak1bp1	6.530918957	1.226539182	5.304379776	5.71E-17
peak_3133	chr5	32455677	32456094	57636	exon (NM_001083847, exon 11 of 12)	NM_174860	ruvbl2	6.977085916	1.673255946	5.30382997	3.35E-15
peak_1457	chr11	35011215	35011646	14775	Intergenic	NM_214705	fam43a	7.189746312	1.88752226	5.302224052	7.19E-20
peak_2699	chr11	38499672	38500381	4074	intron (NM_001040385, intron 6 of 8)	NR_030659		6.666813271	1.364650599	5.302162672	4.33E-16

peak_3176	chr8	26680718	26681048	-10835	intron (NM_001045211, intron 1 of 4)	NM_001044811	taf10	5.521841655	0.219835396	5.30200626	3.94E-15
peak_3178	chr2	10597557	10597800	14680	intron (NM_001277930, intron 10 of 11)	NM_001277930	rpap2	5.521363052	0.219835396	5.301527656	3.99E-15
peak_3185	chr8	17515361	17515626	71235	Intergenic	NM_001002530	rab3c	5.520884289	0.219835396	5.301048894	4.13E-15
peak_3984	chr12	5269214	5270077	-116021	Intergenic	NM_001143904	irf3	8.277431708	2.976527368	5.30090434	1.00E-13
peak_916	chr23	33779365	33779794	-7750	Intergenic	NM_001004288	itga5	7.705877693	2.405141475	5.300736217	6.60E-23
peak_4396	chr8	8292075	8292926	15599	Intergenic	NM_001123302	zgc:113363	9.784285428	4.484151714	5.300133714	3.83E-13
peak_2843	chr22	24563778	24564058	-11868	Intergenic	NR_029937		5.989982901	0.691124799	5.298858102	9.61E-16
peak_1647	chr5	69983367	69983925	127699	Intergenic	NM_001126403	rps6ka4	7.122861996	1.824490448	5.298371548	4.15E-19
peak_1663	chr24	10947162	10947569	91975	Intergenic	NM_001003651	zfand1	6.587472842	1.291257929	5.296214913	4.55E-19
peak_1558	chr21	42251330	42251989	-36393	Intergenic	NM_001002047	sra1	9.504194502	4.209731935	5.294462567	2.00E-19
peak_4234	chr2	4865500	4865999	37279	intron (NM_001012388, intron 3 of 21)	NM_001012388	dlg1l	7.201330743	1.907116997	5.294213745	2.23E-13
peak_8176	chr18	769842	770909	-1983	intron (NM_214735, intron 6 of 6)	NM_001005600	zgc:101723	8.941352148	3.647839369	5.293512779	1.28E-09
peak_3944	chr14	33535106	33535561	-83988	Intergenic	NM_001039135	inppl1b	8.209536992	2.917402999	5.292133993	8.36E-14
peak_3225	chr19	20547495	20547785	41143	intron (NM_001044777, intron 12 of 12)	NM_001044777	mpp6b	5.510282977	0.219835396	5.290447582	4.80E-15
peak_2717	chr17	41870698	41871150	-236972	Intergenic	NM_001098390	zgc:162576	6.780840517	1.490687863	5.290152654	4.87E-16
peak_3216	chr23	18793284	18793553	-13267	Intergenic	NM_001080694	zgc:158296	5.509800523	0.219835396	5.289965128	4.71E-15
peak_2841	chr10	17275384	17275715	-7270	Intergenic	NM_201031_1	stoml2	5.844141355	0.554393687	5.289747669	9.57E-16
peak_3422	chr1	5031890	5032605	6598	exon (NM_199928, exon 8 of 8)	NM_199928	cnppd1	6.491088024	1.201365817	5.289722207	1.12E-14
peak_9440	chr4	7564653	7565284	16997	intron (NM_130937, intron 1 of 5)	NM_001015043	fbxl14b	8.005410442	2.716259194	5.289151248	7.73E-09
peak_1820	chr17	24729056	24729441	-10253	Intergenic	NM_001040299	gale	6.876409526	1.587289192	5.289120334	1.48E-18
peak_12095	chr10	27537329	27538047	-24440	Intergenic	NM_001002129	rab1bb	8.406764275	3.118936819	5.287827455	1.46E-07
peak_3266	chr7	50271012	50271375	7785	intron (NM_001044854, intron 8 of 17)	NM_001044854	cpt1a	5.507385829	0.219835396	5.287550434	5.92E-15
peak_3291	chr3	30221106	30221331	83137	Intergenic	NM_001045463	nucb1	5.506902405	0.219835396	5.28706701	6.60E-15
peak_1884	chr25	28654613	28655050	31711	exon (NM_001083006, exon 6 of 11)	NM_001004616	lmod2a	7.21846101	1.932114414	5.286346597	2.43E-18
peak_1269	chr10	8693489	8693877	-25832	Intergenic	NM_001030197	aplnrb	7.518361181	2.232382338	5.285978843	1.00E-20
peak_1726	chr8	11766868	11767343	-7518	exon (NM_001013303, exon 7 of 8)	NM_001123241	nr1h5	7.338902962	2.053088178	5.285814785	7.36E-19
peak_2302	chr10	8803165	8803556	32145	Intergenic	NM_001002043	isl1l	6.48023592	1.19500324	5.28523268	4.83E-17
peak_3611	chr15	22624424	22624746	62937	TTS (NM_001012367)	NM_001007330	cbl	5.503000886	0.219835396	5.283165491	2.34E-14
peak_2723	chr8	27766612	27766878	4706	intron (NM_001007304, intron 3 of 7)	NM_001007304	zymnd12	5.75760253	0.474639816	5.282962714	5.02E-16
peak_2254	chr7	28418533	28418907	2304	intron (NM_001123009, intron 1 of 14)	NM_001123009	sox6	6.531645929	1.251205952	5.280439977	3.07E-17
peak_1888	chr2	54617502	54617969	-131897	Intergenic	NM_001017676	capsla	7.318606342	2.038404069	5.280202273	2.49E-18
peak_4896	chr13	24922270	24922818	18734	Intergenic	NM_001014303	erlin1	7.881359911	2.60240443	5.278955481	1.70E-12
peak_3295	chr5	55634832	55635209	158646	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	6.950773478	1.673255946	5.277517532	6.69E-15
peak_5543	chr13	39570447	39570943	149121	Intergenic	NM_213264	col9a1b	7.432184658	2.155703238	5.27648142	8.55E-12
peak_2797	chr2	10588833	10589246	23319	intron (NM_001277930, intron 11 of 11)	NM_001277930	rpap2	7.419617404	2.143612162	5.276005242	7.61E-16
peak_3276	chr22	32767613	32767866	30788	intron (NM_199663, intron 2 of 17)	NM_199663	add3a	5.495710279	0.219835396	5.275874883	6.27E-15
peak_1753	chr24	4411641	4411991	116142	Intergenic	NM_130918	fzd8a	6.489836878	1.214007405	5.275829473	8.83E-19
peak_2434	chr11	6055871	6056217	11305	intron (NM_001020769, intron 5 of 8)	NM_001020769	gtpbp3	6.321511783	1.045780477	5.275731306	1.02E-16
peak_8222	chr18	27473729	27474479	-46270	intron (NM_001077249, intron 3 of 7)	NM_212663	cd82b	7.827561546	2.552474647	5.275086899	1.39E-09
peak_3863	chr10	29297007	29297876	220110	Intergenic	NM_131000	alcama	9.158347201	3.883531396	5.274815805	6.57E-14
peak_3747	chr2	35436828	35437340	-11782	Intergenic	NM_001020770	ankrd45	7.088295986	1.813729373	5.274566613	4.04E-14
peak_3428	chr22	24798598	24798854	156434	intron (NM_001017710, intron 5 of 7)	NM_001003617	nek7	5.493271866	0.219835396	5.27343647	1.14E-14
peak_2673	chr3	49862635	49862970	-90556	Intergenic	NM_201307	ndel1b	6.637899119	1.364650599	5.273248521	3.76E-16
peak_3024	chr17	41071256	41071713	-33319	Intergenic	NM_001013292	supt7l	6.879587197	1.606593419	5.272993778	2.25E-15
peak_2931	chr24	20849381	20849710	23412	intron (NM_001105691, intron 9 of 12)	NM_001177492	LOC100334155	6.763506657	1.490687863	5.272818794	1.48E-15
peak_4028	chr18	8769473	8770497	-67011	Intergenic	NM_131061	sema3ab	9.918785363	4.646111332	5.272674031	1.13E-13
peak_2450	chr7	9105732	9106086	15947	intron (NM_001077154, intron 3 of 14)	NM_001077154	f13a1b	5.980223764	0.709096771	5.271126993	1.17E-16
peak_3756	chr6	16222065	16222389	101785	Intergenic	NM_001002395	faimb	5.49034032	0.219835396	5.270504924	4.24E-14
peak_1765	chr17	14471961	14472354	40177	intron (NM_001204257, intron 4 of 17)	NM_001204257	ppp1r13ba	6.734822087	1.464476453	5.270345634	9.53E-19
peak_7052	chr16	36045699	36046692	73712	Intergenic	NM_001002352	rspo1	8.90306107	3.633110313	5.269950757	1.92E-10
peak_1927	chr2	26359477	26359843	-25832	Intergenic	NM_200601	palm1b	6.538298398	1.268380814	5.269917584	3.68E-18
peak_7262	chr7	75138134	75139133	5188	intron (NM_200154, intron 4 of 10)	NM_200154	sepsecs	9.427744824	4.158465864	5.26927896	2.86E-10
peak_1625	chr19	8486973	8487469	-13437	Intergenic	NM_001083065	si:dkeyp-85e10.2	6.61673296	1.34754194	5.26919102	3.30E-19
peak_2558	chr10	10091558	10092059	203642	Intergenic	NR_029938		6.932128467	1.663367097	5.26876137	1.98E-16
peak_5620	chr7	39180362	39181169	23513	intron (NM_001166272, intron 11 of 23)	NM_001166272	adcy7	8.671210511	3.403357594	5.267852917	1.03E-11
peak_2295	chr10	16429028	16429259	-23280	Intergenic	NM_001077386	slc27a6	6.170600759	0.902938058	5.267662701	4.62E-17
peak_3348	chr5	52034012	52034385	-212651	Intergenic	NM_200418	fam172a	5.486884036	0.219835396	5.26704864	8.28E-15
peak_4527	chr8	50652214	50652747	-109777	Intergenic	NM_001128741	zgc:195023	7.811859967	2.544989525	5.266870442	5.79E-13
peak_3324	chr24	4059627	4059872	166843	Intergenic	NM_201461	klf6a	5.486393692	0.219835396	5.266558296	7.62E-15
peak_5757	chr25	36650324	36650822	9586	intron (NM_001045416, intron 3 of 5)	NM_001045416	spi1a	7.343903206	2.077505579	5.266397627	1.36E-11
peak_3770	chr18	47445235	47445790	23270	intron (NM_001083029, intron 9 of 11)	NM_001003854	st3gal4	7.079860433	1.813729373	5.26613106	4.51E-14
peak_3306	chr11	26173054	26173463	17346	Intergenic	NM_131066	snai1a	5.485412503	0.219835396	5.265577108	6.88E-15
peak_3712	chr8	15540240	15540685	36505	intron (NM_001003634, intron 1 of 13)	NM_001003634	fnbp1l	7.523276514	2.258328372	5.264948142	3.48E-14
peak_5685	chr24	40190625	40191312	-32585	Intergenic	NM_001110474	zgc:162925	8.636902097	3.372351575	5.264550521	1.17E-11
peak_1797	chr20	4097553	4097930	5932	intron (NM_001130627, intron 2 of 22)	NM_001130627	ttc13	7.019309662	1.754919176	5.264390486	1.22E-18
peak_2482	chr7	32410740	32411020	-144271	Intergenic	NM_001013468	zgc:111992	6.142793785	0.87932337	5.263470416	1.38E-16
peak_3398	chr11	26629014	26629494	14352	Intergenic	NM_001003540	otud5b	6.976901209	1.713875669	5.26302554	1.05E-14
peak_3497	chr6	31933938	31934175	73027	Intergenic	NM_001002103	atg4c	5.480496525	0.219835396	5.26066113	1.50E-14
peak_2801	chr10	42694434	42694692	-27156	Intergenic	NM_001003536	brf2	5.745745195	0.48510786	5.260637335	7.66E-16
peak_3303	chr6	2094818	2095294	30635	intron (NM_001083853, intron 2 of 9)	NM_001083853	pbx1b	8.101121135	2.841092306	5.26002883	6.83E-15
peak_1755	chr9	37955064	37955471	21430	intron (NM_001003649, intron 1 of 4)	NM_001003649	ralba	7.614141204	2.355128926	5.259012278	8.84E-19
peak_2286	chr5	65794451	65795002	8008	intron (NM_001083540, intron 4 of 5)	NM_001083540	zswim7	6.304595811	1.045780477	5.258815334	4.38E-17
peak_2640	chr4	26639989	26640451	-42473	Intergenic	NM_001122744	fam19a5	7.266465608	2.007987497	5.258478111	3.25E-16
peak_2338	chr17	10733867	10734307	-34802	Intergenic	NM_214693	lgals3l	6.484676174	1.226539182	5.258136992	5.95E-17
peak_10540	chr14	40416364	40417204	26467	Intergenic	NM_001006103	gla	8.11961081	2.863331038	5.256279772	2.85E-08
peak_3397	chr7	23866623	23866872	7692	Intergenic	NM_001114442	ugt5g1	5.474546308	0.219835396	5.254710912	1.04E-14
peak_3508	chr2	43292379	43292773	-13563	Intergenic	NM_205735	pard3	6.745311492	1.490687863	5.254623629	1.58E-14
peak_3379	chr11	17374580	17374896	415358	Intergenic	NM_001110030	kbtbd8	5.474051752	0.219835396	5.254216356	9.51E-15
peak_6208	chr16	42234508	42235619	2286	intron (NM_182855, intron 1 of 7)	NM_182855	tgfbr2	8.246862621	2.993550013	5.253312608	3.79E-11
peak_3351	chr20	42655868	42656152	-44623	intron (NM_001039627, intron 31 of 46)	NM_213150	slc22a2	5.47306213	0.219835396	5.253226735	8.40E-15
peak_2800	chr23	19306315	19306623	-36395	Intergenic	NM_131807	bcl2l1	5.738327036	0.48510786	5.253219176	7.65E-16
peak_3549	chr17	21096784	21097607	-27952	Intergenic	NM_001077547	eno4	8.812351964	3.560191316	5.252160647	1.90E-14
peak_2810	chr3	47972342	47972628	3790	TTS (NM_001002183)	NM_001002183	cdc42ep4a	5.72672478	0.474639816	5.252084964	7.94E-16
peak_2094	chr18	35434735	35435133	-124042	Intergenic	NM_001044953	qpctla	6.494735408	1.242675602	5.252059806	1.13E-17
peak_1958	chr1	48225439	48226147	43056	intron (NM_001077558, intron 3 of 7)	NM_001077558	neurl1aa	9.271249705	4.01935933	5.251890374	4.68E-18
peak_3387	chr16	33762221	33762475	-5796	Intergenic	NM_131252	ck2a1	5.470089187	0.219835396	5.250253791	9.78E-15
peak_7434	chr14	14737876	14738541	58938	intron (NM_001114729, intron 8 of 25)	NM_001258226	dicp2.1	8.399076854	3.149254152	5.249822703	3.85E-10
peak_3410	chr8	23538209	23538439	-143675	Intergenic	NM_001199436	si:ch211-261n11.	5.4695931	0.219835396	5.249757704	1.08E-14
peak_3456	chr19	7185054	7185438	-177411	Intergenic	NM_131684	atp1a3a	6.963025915	1.713875669	5.249150246	1.27E-14
peak_2774	chr20	43931534	43931919	17726	intron (NM_001076575, intron 1 of 17)	NM_001076575	zgc:153725	6.826792699	1.579327125	5.247465573	6.64E-16
peak_3352	chr6	36267413	36268223	29269	Intergenic	NM_001080682	lrrc15	8.660521163	3.413234481	5.247286682	8.45E-15
peak_1409	chr15	30522474	30523246	-12189	Intergenic	NM_001089373	cuedc1b	8.427128835	3.179958743	5.247170092	4.26E-20
peak_1557	chr7	35558797	35559215	9233	Intergenic	NM_001033722	zgc:136220	6.685365952	1.438442806	5.246923146	1.96E-19
peak_3844	chr12	38659189	38659483	149509	Intergenic	NM_001080568	hs3st3b1b	5.466086692	0.219835396	5.246251296	5.95E-14
peak_2409	chr18	43124160	43124560	33709	Intergenic	NM_199766	napab	6.149021604	0.902938058	5.246083545	8.57E-17
peak_3780	chr14	27993708	27993987	182754	Intergenic	NM_001110457	klhl4	5.465589227	0.219835396	5.245753831	4.66E-14
peak_3854	chr21	21087745	21087982	-13741	Intergenic	NM_001076556	slc35f2	5.465120626	0.219835396	5.24528523	6.30E-14
peak_16091	chr11	38494394	38496156	-677	promoter-TSS (NR_030659)	NR_030659		9.013398214	3.768116582	5.245281632	3.98E-06
peak_3921	chr24	25764529	25765050	-34574	Intergenic	NM_001202492	si:dkey-11p10.10	7.588843919	2.344317046	5.244526873	7.85E-14
peak_2534	chr7	43987394	43987980	-56801	intron (NM_001007175, intron 31 of 39)	NM_001017713_1	idh3g	7.775821542	2.532427371	5.243394172	1.76E-16
peak_4622	chr8	43719291	43719900	33240	Intergenic	NM_001123259	si:ch211-158d24.	8.180584234	2.937644412	5.242939822	7.56E-13
peak_3498	chr18	12853854	12854163	128376	Intergenic	NM_001044968	plcg2	5.462600828	0.219835396	5.242765432	1.50E-14
peak_2253	chr16	16899813	16900199	16839	intron (NM_001077320, intron 4 of 9)	NM_001077320	deptor	6.94686858	1.704947384	5.241921196	3.06E-17
peak_3223	chr23	21118525	21119154	26919	Intergenic	NM_001079964	zgc:154075	7.756478619	2.514654537	5.241824082	4.78E-15
peak_3390	chr23	3276999	3277341	146385	Intergenic	NM_131015	mafba	5.460105758	0.219835396	5.240270362	9.91E-15

peak_2159	chr13	22743826	22744479	42194	intron (NM_131621, intron 3 of 12)	NM_001145706	mmrn2a	8.702547571	3.463100064	5.239447507	1.64E-17
peak_2693	chr7	64794034	64794569	497681	Intergenic	NM_131287	sox17	5.930157201	0.691124799	5.239032402	4.14E-16
peak_2748	chr18	5145623	5146002	-59372	Intergenic	NM_001171590	cplx3b	6.81822298	1.579327125	5.238895855	5.78E-16
peak_5172	chr7	25762797	25763293	25733	intron (NM_001017550, intron 20 of 22)	NM_001017550	pik3c3	7.316255007	2.077505579	5.238749428	3.52E-12
peak_11602	chr12	9831285	9832711	9765	intron (NM_213300, intron 1 of 18)	NM_213300	exoc6	9.491578809	4.253003243	5.238575566	9.08E-08
peak_3424	chr18	15396256	15396519	54243	Intergenic	NM_001045007	si:ch211-219a15.	5.457606365	0.219835396	5.23777097	1.13E-14
peak_2388	chr10	27217978	27218380	12575	intron (NM_001113476, intron 9 of 15)	NM_001113476	slc9a6b	6.139366998	0.902938058	5.23642894	7.55E-17
peak_7468	chr24	32768413	32768908	177049	Intergenic	NM_001002229	snx7	8.47293838	3.236616092	5.236322288	4.07E-10
peak_5432	chr9	39712630	39713286	15637	intron (NM_001128277, intron 4 of 12)	NM_001128277	slc12a8	7.312785914	2.077505579	5.235280335	6.57E-12
peak_5896	chr16	30930089	30930693	-43811	Intergenic	NM_001114583	abcb4	8.162169362	2.929059288	5.233110074	1.88E-11
peak_1031	chr5	41767399	41767858	67949	Intergenic	NM_001100034	si:dkey-193c22.1	7.407602421	2.174558533	5.233043888	4.11E-22
peak_3872	chr13	8985425	8985685	60735	Intergenic	NM_212946	wdr32	5.452594553	0.219835396	5.232759157	6.73E-14
peak_2035	chr25	21431958	21432270	69110	Intergenic	NM_200407	ergic2	6.568330818	1.336022403	5.232308416	7.90E-18
peak_2469	chr20	4577778	4578464	201732	Intergenic	NM_205758	papola	6.93915384	1.708547363	5.230606477	1.25E-16
peak_2929	chr2	26825102	26825833	-5672	exon (NM_001256603, exon 7 of 10)	NM_001002745	impa1	7.226540694	1.996574994	5.2299657	1.47E-15
peak_1415	chr9	34835026	34835763	56827	Intergenic	NR_039077		8.515052593	3.285877856	5.229174738	4.55E-20
peak_4022	chr5	67754673	67755486	4757	intron (NM_001080575, intron 10 of 58)	NR_030136		8.076184945	2.847191491	5.228993455	1.11E-13
peak_11820	chr6	9903608	9904373	22531	intron (NM_001045297, intron 5 of 8)	NM_001045297	abi2b	8.267175254	3.038663522	5.228511732	1.11E-07
peak_3459	chr21	658279	658590	-30732	Intergenic	NM_001113483	klf4	5.448039606	0.219835396	5.22820421	1.28E-14
peak_2428	chr25	19137850	19138272	63433	intron (NM_001007124, intron 10 of 19)	NM_001007124	met	6.453834507	1.226539182	5.227295326	9.88E-17
peak_2436	chr22	17581438	17581985	72898	Intergenic	NM_001099429	si:dkey-171o17.8	6.129333309	0.902938058	5.226395251	1.03E-16
peak_3446	chr3	21355822	21356363	-5746	Intergenic	NM_207088	cdipt	5.445519203	0.219835396	5.225683808	1.23E-14
peak_3445	chr22	10728337	10728577	-13781	Intergenic	NM_001163837	bap1	5.445519203	0.219835396	5.225683808	1.23E-14
peak_3736	chr8	23803119	23803733	-4995	Intergenic	NM_001039835	zgc:136605	7.959481671	2.733869084	5.225612587	3.85E-14
peak_2357	chr22	33565345	33566018	97360	Intergenic	NM_001040377	zgc:136895	9.620575811	4.395520993	5.225054818	6.47E-17
peak_3484	chr15	42978339	42978559	-12496	Intergenic	NM_001076768	lrtomt	5.444509808	0.219835396	5.224674412	1.42E-14
peak_7581	chr14	51808207	51808598	86070	intron (NM_001017782_1, intron 14 of 17)	NM_001017782_1	dctn4	7.656049388	2.431948405	5.224100982	4.97E-10
peak_2642	chr25	29679419	29679731	-11089	Intergenic	NM_001013322	nfybb	6.102952214	0.87932337	5.223628844	3.28E-16
peak_2424	chr9	35046681	35047017	-13611	Intergenic	NM_001007198	ccdc80	6.118280195	0.895109366	5.223170829	9.58E-17
peak_9061	chr23	36699042	36699757	-44	promoter-TSS (NM_001020478)	NM_001020478	gpr182	8.404029494	3.180931989	5.223097505	4.60E-09
peak_3616	chr14	707573	707830	-5716	intron (NM_212882, intron 8 of 12)	NM_212639	ints10	5.442488897	0.219835396	5.222653501	2.43E-14
peak_4760	chr7	58193383	58193972	-95115	Intergenic	NM_001077165	senp8	9.361612004	4.139073445	5.222538558	1.12E-12
peak_2783	chr6	36087759	36088011	-72396	Intergenic	NM_001102618	rhcg2a	5.776623881	0.554393687	5.222230194	7.11E-16
peak_6738	chr3	59315132	59315685	-8654	Intergenic	NM_001122620	zgc:171489	8.409421675	3.187356789	5.222064887	1.07E-10
peak_10456	chr3	60189463	60189953	6	promoter-TSS (NM_001113799)	NM_001113799	zmp:000000068(	8.033688155	2.81595363	5.217734525	2.60E-08
peak_2817	chr14	4663255	4663782	-21020	intron (NM_001017822_1, intron 6 of 6)	NM_205648	dhrs13l1	6.706397974	1.490687863	5.215710111	8.26E-16
peak_13764	chr12	19118640	19119419	-194628	Intergenic	NM_001171584	nptx2b	8.550977692	3.335999564	5.214978129	6.88E-07
peak_2459	chr19	22441473	22442124	-105306	Intergenic	NM_001045150	sall3b	6.44095659	1.226539182	5.214417408	1.19E-16
peak_3482	chr6	11600013	11600316	-71566	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	5.433329916	0.219835396	5.213494521	1.41E-14
peak_7233	chr5	35760530	35761290	42103	exon (NM_001128543, exon 2 of 7)	NM_001128543	LOC567525	7.581151919	2.367686229	5.21346569	2.73E-10
peak_3503	chr21	22040721	22041013	-15449	intron (NM_001045422, intron 2 of 6)	NM_001011661	guca1d	5.432311954	0.219835396	5.212476558	1.53E-14
peak_2439	chr7	60748402	60748747	75616	exon (NM_001122773, exon 25 of 34)	NM_001123240	slc8a4b	6.284943729	1.07379276	5.21115097	1.11E-16
peak_2455	chr22	12186373	12186631	-86118	intron (NM_001045311, intron 11 of 16)	NM_212586	ccnt2b	6.113824016	0.902938058	5.210885958	1.18E-16
peak_1352	chr1	35613365	35613717	10356	intron (NM_131356, intron 3 of 5)	NM_131356	smad1	6.871326297	1.66120336	5.210122937	2.18E-20
peak_7211	chr7	76504254	76505044	49160	Intergenic	NM_001110109	cbln8	9.438520682	4.229535061	5.208985621	2.61E-10
peak_3738	chr24	27188387	27188608	7612	Intergenic	NM_001135981	zgc:194621	5.428743418	0.219835396	5.208908022	3.91E-14
peak_2602	chr5	52422158	52422464	45523	Intergenic	NM_001135983	zgc:194908	5.909027092	0.70013877	5.208888322	2.66E-16
peak_2470	chr5	14247137	14247469	41659	intron (NM_001003780, intron 4 of 4)	NM_001003780	ypel1	6.103272047	0.895109366	5.208162682	1.25E-16
peak_4195	chr18	12752312	12752737	26892	intron (NM_001044968, intron 21 of 32)	NM_001044968	plcg2	7.517161482	2.309757872	5.20740361	1.96E-13
peak_2868	chr14	38982712	38983080	775997	Intergenic	NM_001048055	lect2l	6.261315727	1.054120914	5.207194813	1.11E-15
peak_4259	chr19	36324114	36324439	33224	intron (NM_001144054, intron 7 of 18)	NM_001044929	fam206a	5.425166033	0.219835396	5.205330637	2.37E-13
peak_3740	chr20	9415014	9415311	13656	intron (NM_200633, intron 4 of 4)	NM_200633	kcnk5b	5.425136181	0.219835396	5.205300785	3.94E-14
peak_2648	chr13	6043124	6043401	97006	intron (NM_001017855_1, intron 1 of 2)	NM_001017855_1	csmd1a	5.913797102	0.709096771	5.20470033	3.34E-16
peak_8521	chr13	15898740	15899218	3152	Intergenic	NM_001128751	fignl1	7.762375523	2.558018336	5.204357188	2.16E-09
peak_1892	chr13	11525028	11525443	-12430	Intergenic	NR_039204		6.738738824	1.534736314	5.204002509	2.57E-18
peak_3570	chr2	46938990	46939247	-496379	Intergenic	NM_201020_1	gpc1b	5.422575411	0.219835396	5.202740015	1.99E-14
peak_6288	chr3	22405303	22406047	35988	Intergenic	NM_001025183	myl4	7.432439238	2.229879429	5.202559809	4.46E-11
peak_2770	chr9	7071084	7071377	31632	intron (NM_001039973, intron 1 of 23)	NM_001039973	inpp4aa	5.911607352	0.709096771	5.202510581	6.45E-16
peak_5554	chr22	16067931	16068607	23888	Intergenic	NM_131856	klf2a	7.689857501	2.488820277	5.201037224	8.81E-12
peak_2484	chr6	12060647	12061103	143195	Intergenic	NM_001077769	wdsub1	6.427451896	1.226539182	5.200912714	1.38E-16
peak_1977	chr11	1881836	1882336	39660	Intergenic	NM_001285533	nr1d4b	7.249627125	2.049565995	5.200061129	5.39E-18
peak_2629	chr7	19264412	19264750	64296	Intergenic	NM_001199722	taf6l	6.102970874	0.902938058	5.200032816	3.07E-16
peak_3902	chr25	35442625	35443224	50744	Intergenic	NM_001110479	trpm1b	7.79696879	2.597147431	5.199821359	7.31E-14
peak_2146	chr9	9925399	9925911	-32999	Intergenic	NM_131381	gsk3b	8.09138132	2.892659097	5.198722223	1.54E-17
peak_3583	chr24	4417172	4417441	110652	Intergenic	NM_130918	fzd8a	5.418468701	0.219835396	5.198633306	2.07E-14
peak_3582	chr13	18500881	18501132	-19513	Intergenic	NM_001123010	stox1	5.418468701	0.219835396	5.198633306	2.07E-14
peak_1092	chr5	42833242	42833935	71423	Intergenic	NM_001002505	sub1b	7.647947649	2.450209466	5.197738183	1.00E-21
peak_2010	chr8	4202016	4202475	29139	intron (NM_200864, intron 3 of 19)	NM_200864	zgc:77875	6.5223201	1.325127123	5.197192977	6.88E-18
peak_8251	chr12	48178714	48179404	-13001	Intergenic	NM_198072_1	mtr	7.690496237	2.493469792	5.197026445	1.46E-09
peak_4160	chr22	19994708	19994975	36203	intron (NM_001130788, intron 7 of 10)	NM_199573	rgmd	5.41483565	0.219835396	5.195000254	1.69E-13
peak_2981	chr23	21620095	21620555	-98564	Intergenic	NM_001039525	tas1r1	6.268765191	1.07379276	5.194972431	1.90E-15
peak_8372	chr1	14026741	14027473	41679	Intergenic	NM_001045485	pi4k2b	8.26330812	3.069361233	5.193946887	1.76E-09
peak_3394	chr1	19348725	19349195	26122	intron (NM_001044325, intron 4 of 6)	NM_001044325	zgc:136652	7.61414775	2.421085965	5.193061785	1.02E-14
peak_2935	chr19	33436105	33436529	24732	Intergenic	NM_001004682	fabp11a	6.38775394	1.19500324	5.1927507	1.52E-15
peak_4929	chr6	48334237	48335532	23549	intron (NM_201150, intron 2 of 4)	NM_201150	rhoae	10.08868555	4.896721373	5.191964174	1.84E-12
peak_2605	chr7	22329555	22329948	-111868	Intergenic	NM_001017564	zgc:113025	6.070875222	0.87932337	5.191551852	2.74E-16
peak_1020	chr17	41141052	41141555	99551	Intergenic	NM_001002117	rbks	7.82571013	2.634297475	5.191412654	3.39E-22
peak_2248	chr12	2644934	2645441	142075	Intergenic	NM_131721	mapk8b	6.258142746	1.066840515	5.191302231	2.99E-17
peak_3687	chr7	55405173	55405429	164160	intron (NM_173218, intron 2 of 28)	NM_173218	neo1	5.410706818	0.219835396	5.190871422	3.19E-14
peak_2901	chr5	22358719	22359073	4984	intron (NM_001082812, intron 1 of 1)	NM_001082812	cmklr1	6.520630879	1.330227956	5.190402922	1.30E-15
peak_2674	chr22	13278498	13279468	25040	intron (NM_131264, intron 2 of 10)	NM_131264	ahr2	7.770483002	2.580158886	5.190324116	3.77E-16
peak_2888	chr8	31154562	31155872	9261	intron (NM_001123258, intron 4 of 14)	NM_001123258	zgc:162939	9.150535681	3.960501899	5.190033782	1.25E-15
peak_3624	chr13	47696122	47696361	166102	Intergenic	NM_001135791	bcl2l11	5.409672761	0.219835396	5.189837365	2.52E-14
peak_3027	chr14	26701236	26701492	-92829	Intergenic	NM_001002367	slc25a48	5.66291302	0.474639816	5.188273204	2.29E-15
peak_4171	chr25	32448129	32449207	-25964	Intergenic	NM_001003744	kras	9.761416192	4.573838507	5.187577686	1.79E-13
peak_529	chr1	8186681	8188124	12111	Intergenic	NM_001003418	ndufab1a	11.32153712	6.136066571	5.185470553	3.01E-26
peak_3636	chr4	10601020	10601278	44156	Intergenic	NM_001007767	net1	5.40501031	0.219835396	5.185174915	2.63E-14
peak_3637	chr7	34296497	34296744	61229	Intergenic	NM_131518	cd81	5.40501031	0.219835396	5.185174915	2.63E-14
peak_3646	chr11	19628752	19629359	49625	intron (NM_001257196, intron 25 of 29)	NM_001257196	adamts9	6.898550632	1.713875669	5.184674963	2.72E-14
peak_3663	chr17	35365203	35365459	40114	exon (NM_001045207, exon 14 of 28)	NM_001037409	itgb1bp1	5.404491329	0.219835396	5.184655933	2.95E-14
peak_3664	chr7	50138995	50139221	6727	exon (NM_001128239, exon 8 of 24)	NM_001128239	trpm5	5.404491329	0.219835396	5.184655933	2.95E-14
peak_7310	chr14	1328469	1328947	-4474	Intergenic	NM_001128574	il21	8.502594294	3.318224446	5.184369848	3.11E-10
peak_2749	chr24	6033198	6034388	14935	intron (NM_200738, intron 1 of 9)	NM_200738	abi1a	9.203376894	4.019183705	5.184193189	5.80E-16
peak_7134	chr7	8126591	8127066	99572	Intergenic	NM_001007772	zgc:101810	8.525969994	3.343438067	5.182531927	2.23E-10
peak_6329	chr16	44781858	44783009	887	intron (NM_001037375, intron 2 of 7)	NM_001037375	etv2	9.453463731	4.272664289	5.180799441	4.77E-11
peak_1898	chr24	37000613	37000973	28121	Intergenic	NM_213515	ube2v2	6.53378312	1.353267399	5.180515721	2.62E-18
peak_370	chr6	93905	95435	6634	Intergenic	NM_001045449	zglp1	11.09765232	5.917247315	5.180405008	1.19E-28
peak_3571	chr13	24910515	24910819	6991	intron (NM_200527, intron 6 of 6)	NM_200527	zgc:66426	5.654644367	0.474639816	5.180004551	2.01E-14
peak_8045	chr16	8665120	8665748	-2662	Intergenic	NM_199515	prdm1a	8.304808461	3.124826496	5.179981965	1.04E-09
peak_4200	chr20	20719969	20720209	-24234	Intergenic	NM_001029948	rtn1b	5.399812076	0.219835396	5.17997668	1.99E-13
peak_15241	chr15	19161266	19162005	33017	Intergenic	NM_200810	ppp1r14ab	8.73316372	3.553807967	5.179355753	2.17E-06
peak_8711	chr19	12025209	12026052	23649	intron (NM_201161, intron 2 of 8)	NM_201161	sept7a	9.125545723	3.946932067	5.178613655	2.80E-09
peak_2264	chr8	12266106	12266690	21124	intron (NM_001113585, intron 10 of 10)	NM_001113585	anapc7	7.367057118	2.190013729	5.177043389	3.45E-17
peak_3645	chr2	25546785	25547270	20400	intron (NM_001159832, intron 2 of 24)	NM_001159832	fndc3ba	6.783049868	1.606593419	5.17645645	2.71E-14
peak_3005	chr6	19854578	19855720	-25975	Intergenic	NM_001083008	zgc:158654	9.251427707	4.075222989	5.176204718	2.08E-15

peak_2698	chr10	27517013	27517385	-44929	Intergenic	NM_001002129	rab1bb	6.539480655	1.364650599	5.174830056	4.33E-16
peak_3620	chr16	26158290	26158640	5088	Intergenic	NM_001079861	apoa4b.1	5.3940418	0.219835396	5.174206404	2.47E-14
peak_2385	chr13	36448456	36448844	3215	intron (NM_214759, intron 5 of 13)	NM_214759	lgmn	6.719625197	1.545693443	5.173931753	7.45E-17
peak_5694	chr22	42167807	42169269	25713	Intergenic	NM_201070	lmcd1	5.39354937	0.219835396	5.173713974	1.19E-11
peak_2515	chr2	44003342	44003722	21572	intron (NM_001130402, intron 3 of 12)	NM_001130402	si:ch211-195h23.	6.247441508	1.07379276	5.173648748	1.61E-16
peak_11503	chr11	24576781	24577748	-155728	Intergenic	NM_001145767	nfasca	9.404054374	4.23073021	5.173324164	8.24E-08
peak_2556	chr10	10070824	10071168	224454	Intergenic	NR_029938		6.423871303	1.251205952	5.172665351	1.95E-16
peak_3650	chr21	34421550	34421859	128513	Intergenic	NM_200048	rars	5.392472402	0.219835396	5.172637006	2.78E-14
peak_4060	chr3	55675139	55675762	22630	Intergenic	NM_001020671	ubald1b	7.16123461	1.988676984	5.172557627	1.24E-13
peak_3674	chr13	35369275	35369579	-191386	Intergenic	NM_131863	jag1b	5.39194889	0.219835396	5.172113494	3.03E-14
peak_9130	chr13	44251559	44251992	14657	exon (NM_001089566, exon 10 of 11)	NM_001089566	fam160b1	7.781040447	2.609160782	5.171879665	4.99E-09
peak_2531	chr19	11791123	11791452	14178	intron (NM_205759, intron 1 of 6)	NM_205759	eepd1	6.245124565	1.07379276	5.171331806	1.74E-16
peak_3472	chr5	42789341	42789603	27307	Intergenic	NM_001002505	sub1b	5.656363648	0.48510786	5.171255788	1.33E-14
peak_2133	chr8	940205	940776	-19654	Intergenic	NM_001024651	fabp1b.1	8.988326204	3.817261045	5.171065158	1.41E-17
peak_8857	chr7	68653405	68654062	-185601	Intergenic	NM_001110471_1	parvab	8.464476565	3.294141201	5.170335364	3.43E-09
peak_2530	chr18	22228014	22228394	31442	intron (NM_001100035, intron 5 of 6)	NM_001100035	rltpr	6.215775359	1.045780477	5.169994883	1.74E-16
peak_2533	chr13	23113481	23114342	-12108	3' UTR (NM_213252, exon 18 of 18)	NM_001017773	tspan15	7.571332711	2.401877645	5.169455066	1.76E-16
peak_9123	chr13	23208261	23209684	-1379	Intergenic	NM_200907	vps26a	7.778521807	2.609160782	5.169361025	4.97E-09
peak_3164	chr9	31881626	31882163	-41963	Intergenic	NM_001080673	dachd	7.255834547	2.086504578	5.169329969	3.72E-15
peak_2579	chr6	26676109	26676568	-72360	Intergenic	NM_201474	hdlbpa	7.685899911	2.518636347	5.167263564	2.24E-16
peak_3605	chr8	26393059	26393535	65177	Intergenic	NM_213456	stk38a	6.84051211	1.673255946	5.167256164	2.29E-14
peak_3385	chr7	34618838	34619323	-35803	Intergenic	NM_001172627	itga11a	6.886304209	1.719076102	5.167228107	9.73E-15
peak_5571	chr6	47417139	47417585	8446	Intergenic	NR_030036		7.972531173	2.806159405	5.166371768	9.20E-12
peak_12218	chr8	37805846	37806469	-75926	Intergenic	NM_001007207	gpkow	8.229564138	3.064134132	5.165430005	1.66E-07
peak_1722	chr13	48910488	48910959	-124403	Intergenic	NM_001098262	zmp:000000113	7.306819258	2.142497547	5.164321711	7.23E-19
peak_3781	chr10	33924516	33924769	-79234	Intergenic	NM_001045333	kctd7	5.384042612	0.219835396	5.164207216	4.67E-14
peak_3016	chr3	17067730	17068129	-113290	Intergenic	NM_001077392	hcrt	5.87300446	0.709096771	5.163907688	2.18E-15
peak_3116	chr4	13022177	13022483	15407	intron (NM_001080080, intron 10 of 10)	NM_001030098	prickle1b	5.638353464	0.474639816	5.163713648	3.06E-15
peak_3683	chr10	28942855	28943081	-45560	Intergenic	NM_001020535	ptrh2	5.381935135	0.219835396	5.16209974	3.17E-14
peak_5308	chr24	17696716	17697563	78614	Intergenic	NM_001128702	pip4k2aa	8.69405113	3.53236815	5.16168298	4.89E-12
peak_2229	chr19	11569917	11570313	26444	intron (NM_001081631, intron 2 of 21)	NM_001081631	arhgef1a	7.11604458	1.954649331	5.16139525	2.61E-17
peak_4916	chr23	38244675	38245112	-8047	Intergenic	NM_001020707	zgc:112994	6.974825637	1.813729373	5.161096264	1.78E-12
peak_3670	chr2	21357436	21357795	-44455	Intergenic	NM_001202486	mplkip	5.380352505	0.219835396	5.16051711	3.00E-14
peak_1747	chr5	66057382	66057772	-195818	Intergenic	NM_001039813	adora2b	6.851618492	1.691450492	5.160168	8.47E-19
peak_3692	chr17	20988876	20989112	32339	3' UTR (NM_001076597, exon 14 of 14)	NM_212809	pygb	5.379296453	0.219835396	5.159461057	3.25E-14
peak_3580	chr21	1619736	1620271	-289148	Intergenic	NM_205605	wdr91	6.726920242	1.567723154	5.159197088	2.05E-14
peak_10705	chr20	8135034	8135455	373177	Intergenic	NM_001244756	bloc1s2	7.969025589	2.810203502	5.158822086	3.48E-08
peak_5274	chr25	2986181	2986615	14635	intron (NM_213305, intron 8 of 9)	NM_213305	scamp2	7.912606077	2.754147101	5.158458976	4.56E-12
peak_2804	chr7	63544252	63544925	653355	Intergenic	NM_200491	tbc1d19	6.963181569	1.805399871	5.157781698	7.75E-16
peak_3226	chr18	40447375	40447796	227755	Intergenic	NM_001166335	pgr	6.521827697	1.364650599	5.157177098	4.82E-15
peak_4712	chr8	12072585	12073645	-7064	Intergenic	NR_030071		9.401584015	4.244471966	5.157112049	9.70E-13
peak_3105	chr4	9153741	9154034	180117	Intergenic	NM_001045158	sbf1	5.803316476	0.646338197	5.156978278	2.95E-15
peak_12768	chr21	29464729	29465379	12555	TTS (NM_001042713)	NM_001042713	tnfsf10l3	8.275458737	3.118936819	5.156521918	2.81E-07
peak_3832	chr21	42401477	42401867	94066	intron (NM_001017741, intron 16 of 17)	NM_201133_1	stk10	6.761684263	1.606593419	5.155090844	5.79E-14
peak_145	chr3	5814989	5816466	59457	Intergenic	NM_205641	txn2	11.1307984	5.976006729	5.154791674	1.28E-35
peak_2668	chr17	46527572	46527982	552108	Intergenic	NR_029933		6.228473546	1.07379276	5.154680786	3.64E-16
peak_2214	chr15	18268468	18268807	32537	Intergenic	NM_201155	acad8	6.7403848	1.585947729	5.154437071	2.44E-17
peak_2132	chr20	26420462	26420865	900	exon (NM_001014331, exon 3 of 5)	NM_001014331	zgc:110816	7.812544721	2.65875526	5.153789461	1.40E-17
peak_10646	chr11	5135231	5136030	-310954	Intergenic	NM_001077310		9.423641618	4.269889536	5.153752082	3.30E-08
peak_769	chr18	27467098	27467658	-52996	intron (NM_001077249, intron 3 of 7)	NM_212663	cd82b	8.4192396	3.266040972	5.153198628	5.98E-24
peak_2320	chr18	18728477	18728796	31595	Intergenic	NM_200780	ppcdc	6.108079657	0.95511259	5.152967067	5.53E-17
peak_2895	chr2	37341216	37341616	12313	intron (NM_001142672, intron 1 of 20)	NM_001142672	insra	7.16047536	2.007987497	5.152487864	1.27E-15
peak_13171	chr14	29139191	29139865	-37125	Intergenic	NM_200688	zgc:64189	8.34730624	3.194978056	5.152328184	4.14E-07
peak_6366	chr12	32723821	32724370	66193	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	7.306811157	2.155703238	5.151107919	5.15E-11
peak_2317	chr2	36243671	36244292	-22773	Intergenic	NM_001199372_1	LOC100331689	6.956470206	1.805399871	5.151070335	5.41E-17
peak_10921	chr25	11613499	11614423	-220505	Intergenic	NM_001265607	mespbb	8.523933681	3.37287177	5.151061911	4.50E-08
peak_2998	chr22	41113965	41114613	-9411	Intergenic	NM_001045022	tm4sf18	8.693623287	3.543018927	5.15060436	2.01E-15
peak_3419	chr15	23060850	23061263	-7804	Intergenic	NM_001077731	zgc:154093	7.226247055	2.075698859	5.150548197	1.11E-14
peak_3782	chr4	6530416	6530831	7617	intron (NM_001114883, intron 1 of 12)	NM_001114883	cald1b	5.369726015	0.219835396	5.149890619	4.70E-14
peak_3757	chr11	46412142	46412739	5748	exon (NM_001002705, exon 11 of 15)	NM_001002644	notum1b	5.369194182	0.219835396	5.149358786	4.26E-14
peak_3019	chr15	32944756	32945268	62098	Intergenic	NM_001127474	dckl1b	8.527586451	3.378236368	5.149350084	2.20E-15
peak_3722	chr20	28335508	28335760	39092	intron (NM_001045119, intron 26 of 35)	NM_001110126	chac1	5.367597506	0.219835396	5.14776211	3.64E-14
peak_5482	chr14	18463605	18464063	-13805	Intergenic	NM_175576	plp1a	7.882100228	2.734404776	5.147695453	7.35E-12
peak_10603	chr10	2652066	2653169	-43451	Intergenic	NM_001128268	LOC794616	9.172090146	4.02444474	5.147645406	3.09E-08
peak_3720	chr3	49098043	49098275	-283371	Intergenic	NM_001110108	fn3krp	5.367064887	0.219835396	5.147229491	3.61E-14
peak_6813	chr14	22380430	22380922	-43448	Intergenic	NM_131248	egr1	8.047494773	2.900867904	5.146626869	1.22E-10
peak_6071	chr13	45488713	45489256	12291	exon (NM_001017687, exon 5 of 7)	NM_001017687	zbtb8os	7.301811675	2.155703238	5.146108437	2.83E-11
peak_3547	chr12	29128042	29128374	20950	intron (NM_131425, intron 4 of 11)	NM_131425	etv4	5.698163794	0.554393687	5.143770108	1.89E-14
peak_3894	chr8	17594302	17594649	-3614	exon (NM_001113607, exon 6 of 6)	NM_001099245	plk2b	6.046428609	0.902938058	5.143490551	7.09E-14
peak_3191	chr21	36838637	36838957	67085	intron (NM_001007405_1, intron 7 of 11)	NM_213387	pgk1	6.263287248	1.120232971	5.143054277	4.22E-15
peak_1454	chr16	40513534	40514164	-289590	Intergenic	NM_200570	selenbp1	7.46884141	2.326253535	5.142587875	6.84E-20
peak_4042	chr3	56101397	56101703	-102147	Intergenic	NM_183066	hbae3	5.36172786	0.219835396	5.141892464	1.17E-13
peak_5948	chr10	43934198	43935201	-20133	Intergenic	NM_001161732	fgfr1b	9.482492076	4.341414155	5.141077921	2.09E-11
peak_8351	chr18	39912361	39912818	22513	Intergenic	NM_001006018	bcl7bb	5.360689297	0.219835396	5.140853901	1.69E-09
peak_8854	chr20	22337729	22338389	44911	intron (NM_001024653, intron 16 of 31)	NM_001024653	kdr	7.691985521	2.552474647	5.139510875	3.42E-09
peak_3725	chr11	13891163	13891580	63675	intron (NM_001005206, intron 5 of 9)	NM_001005206	wdr18	6.364414409	1.226539182	5.137875227	3.65E-14
peak_2678	chr15	8367685	8368155	15619	intron (NM_001044904, intron 3 of 9)	NM_001044904	tnfrsf19	6.815676587	1.67782614	5.137850448	3.84E-16
peak_2734	chr5	28950524	28950849	-98809	Intergenic	NM_194391	hdr	5.837235881	0.70013877	5.137097111	5.28E-16
peak_3849	chr25	17545352	17545648	-55832	Intergenic	NM_001202419	kdm7ab	5.356339706	0.219835396	5.13650431	6.04E-14
peak_3819	chr7	39379135	39379382	-67765	Intergenic	NM_200889	heatr3	5.355802914	0.219835396	5.135967518	5.41E-14
peak_2741	chr1	21704945	21705445	79355	Intergenic	NM_212731	gtf2e2	7.469220923	2.333336808	5.135884114	5.42E-16
peak_2651	chr16	31963607	31963937	-3969	Intergenic	NM_200374	tnfaip8l2b	5.960546374	0.825787209	5.134759164	3.37E-16
peak_3244	chr7	37097371	37097629	67443	Intergenic	NM_001045227	irx5a	5.618747835	0.48510786	5.133639975	5.54E-15
peak_3762	chr10	32284802	32285026	49947	Intergenic	NM_200398	tmem218	5.353115955	0.219835396	5.13328056	4.41E-14
peak_3772	chr12	33308491	33308887	5073	intron (NM_212770, intron 2 of 8)	NM_212770	cpn1	5.352577963	0.219835396	5.132742567	4.54E-14
peak_13419	chr8	262656	263902	41742	intron (NM_199992, intron 9 of 19)	NM_001017895	commd10	9.890865195	4.759143544	5.131721651	5.18E-07
peak_13180	chr5	60896338	60897211	-35804	Intergenic	NM_001017896	prkrip1	8.928425052	3.796992584	5.131432468	4.16E-07
peak_2645	chr14	30830152	30830443	-14692	Intergenic	NM_001079996	cyp4v7	6.177013837	1.045780477	5.13123336	3.30E-16
peak_2083	chr7	44587973	44588304	-3	promoter-TSS (NM_001105587)	NM_001105587	mylk3	6.345009145	1.214007405	5.13100174	1.04E-17
peak_3860	chr22	15073777	15074137	92736	Intergenic	NM_001024811	gtpbp1l	5.350423983	0.219835396	5.130588588	6.43E-14
peak_4922	chr4	17911977	17912325	891	intron (NM_001045038, intron 2 of 5)	NM_001045038	bik	5.349853535	0.219835396	5.130018139	1.82E-12
peak_3719	chr16	26269697	26270168	51661	Intergenic	NM_001130586	apoa2	6.843578328	1.713875669	5.129702659	3.61E-14
peak_1242	chr19	28802621	28803042	25726	intron (NM_001044341, intron 5 of 13)	NM_001044341	lpcat1	7.568569231	2.439484161	5.12908507	7.86E-21
peak_2777	chr3	41702412	41702875	-7105	Intergenic	NM_001290093	eif3ba	6.458856603	1.330227956	5.128628647	6.94E-16
peak_4070	chr24	12536045	12536286	55349	intron (NM_200950, intron 4 of 5)	NM_200950	pdcd6	5.348266783	0.219835396	5.128431388	1.29E-13
peak_4202	chr10	1602204	1603145	60476	Intergenic	NM_200156	nup155	7.846075989	2.718857462	5.127218527	2.00E-13
peak_6438	chr20	9763333	9763978	-2374	Intergenic	NM_199649	zfp36l1b	8.306345327	3.180558572	5.125786754	6.01E-11
peak_4300	chr9	45041361	45041817	170396	Intergenic	NM_200921	ube2e3	7.867643294	2.742594073	5.125049221	2.67E-13
peak_3066	chr21	7765508	7765916	-11187	Intergenic	NM_212834	nr5a1b	6.454601368	1.330227956	5.124373411	2.65E-15
peak_8687	chr3	52463680	52464554	159206	intron (NM_001040245, intron 6 of 12)	NM_001040245	baiap2a	9.28123619	4.157267633	5.123968557	2.67E-09
peak_2969	chr22	10672006	10672333	8730	exon (NM_001044870, exon 5 of 5)	NM_001044870	si:dkey-42i9.6	5.832205444	0.709096771	5.123108673	1.82E-15
peak_3833	chr3	57083388	57083823	93898	Intergenic	NM_001163443	LOC797202	5.341201883	0.219835396	5.121366487	5.81E-14
peak_2494	chr8	38727219	38727761	-84850	Intergenic	NM_001128335	adrb3a	6.523529461	1.402722361	5.1208071	1.45E-16
peak_3181	chr9	3192386	3192753	23960	intron (NM_001076667, intron 4 of 10)	NM_001076667	dync1i2a	6.364681232	1.243933184	5.120748048	4.01E-15
peak_7428	chr6	6806008	6807425	-34736	intron (NM_001114896, intron 4 of 12)	NM_212842	LOC405768	10.54599338	5.425286314	5.120707069	3.81E-10

peak_10263	chr6	27167012	27167979	-55355	Intergenic	NM_001083826	ryk	9.235943989	4.11666976	5.119274229	2.11E-08
peak_1312	chr3	42090691	42091630	5914	intron (NM_001162443, intron 3 of 12)	NM_001162443	snx8a	8.52292142	3.404114314	5.118807106	1.44E-20
peak_15126	chr2	52708560	52709742	-22137	Intergenic	NM_001110836	si:ch211-137c4.4	10.26614011	5.147571431	5.118568681	1.98E-06
peak_3448	chr9	6644999	6645749	13752	Intergenic	NM_001143933	si:dkeyp-118h3.6	7.379816875	2.261376544	5.118440331	1.24E-14
peak_9630	chr23	18006112	18007206	-3246	Intergenic	NM_201448	prim1	7.782533212	2.664237834	5.118295378	9.93E-09
peak_2507	chr3	46387610	46388074	30171	Intergenic	NM_001017690	snrnp25	7.116846052	1.999106858	5.117739194	1.53E-16
peak_2304	chr6	650316	650864	-41709	Intergenic	NM_001114903	cyth4b	7.555016788	2.437316204	5.117700584	4.95E-17
peak_9602	chr21	35361375	35361950	16964	intron (NM_214692, intron 1 of 13)	NM_214692	mpp1	8.390897474	3.273245387	5.117652087	9.61E-09
peak_3381	chr18	41507431	41507786	183446	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	6.36838054	1.251205952	5.117174588	9.54E-15
peak_3190	chr12	18539910	18540351	6497	exon (NM_212562, exon 6 of 12)	NM_212562	papss2b	6.161379244	1.045780477	5.115598768	4.17E-15
peak_3220	chr24	4180091	4180767	46163	Intergenic	NM_201461	klf6a	7.631149917	2.517206958	5.113942959	4.74E-15
peak_1098	chr4	24808505	24809144	17112	intron (NM_001277130, intron 10 of 32)	NM_001277130	lamb1b	8.487810128	3.374689018	5.113121111	1.03E-21
peak_3843	chr20	19228441	19228840	-20479	Intergenic	NM_001030220	blk	6.826405296	1.713875669	5.112529627	5.93E-14
peak_8731	chr6	1146324	1147944	-14451	Intergenic	NM_001110010_1	plxna1b	9.549245664	4.436733368	5.112512296	2.87E-09
peak_4947	chr8	37101412	37101855	273860	Intergenic	NM_200957	slc15a4	7.062656257	1.950187435	5.112468822	1.91E-12
peak_2438	chr2	21446686	21447232	16308	intron (NM_001080042, intron 2 of 3)	NM_001080042	zgc:158346	7.326185571	2.214234088	5.111951483	1.07E-16
peak_2364	chr6	37492262	37492632	14716	intron (NM_001030077, intron 3 of 16)	NM_001030077	slc9a7	6.68943152	1.577539342	5.111892177	6.73E-17
peak_6138	chr18	49370475	49371486	7208	intron (NM_001080622, intron 1 of 8)	NM_001080622	cd276	9.714734572	4.603274435	5.111460137	3.30E-11
peak_2523	chr22	16342715	16343058	26993	intron (NM_001100086, intron 8 of 10)	NM_001100086	slc30a7	6.051390411	0.93997307	5.11141734	1.71E-16
peak_4173	chr13	12501415	12501868	14268	TTS (NM_203460)	NM_203460	adh8b	6.086222395	0.975101991	5.111120404	1.81E-13
peak_3103	chr2	2867773	2868171	-20671	Intergenic	NM_207059	aqp1a.1	6.156782244	1.045780477	5.111001767	2.92E-15
peak_3155	chr2	39522442	39523042	-59487	Intergenic	NM_001002667	slc25a36a	6.184590475	1.07379276	5.110797716	3.63E-15
peak_1841	chr11	18936745	18937611	40443	Intergenic	NM_001079955	dido1	8.927665619	3.817013892	5.110651727	1.74E-18
peak_1938	chr21	43749035	43749486	-55715	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	8.326725505	3.216430072	5.110295433	4.09E-18
peak_4235	chr1	40829927	40830380	-125183	Intergenic	NM_001077559	scoca	7.613480843	2.503771157	5.109709686	2.23E-13
peak_2696	chr19	2253513	2253865	60915	intron (NM_198819, intron 28 of 28)	NM_001007153	twistnb	6.155222654	1.045780477	5.109442177	4.18E-16
peak_10270	chr22	42021006	42022065	-1811	Intergenic	NM_001082868	arhgef3	8.764399295	3.655177662	5.109221633	2.12E-08
peak_9543	chr5	35477187	35478384	-34422	Intergenic	NM_001122857	dab2ipb	9.113856754	4.005481404	5.10837535	8.88E-09
peak_5654	chr9	4807441	4808043	126631	Intergenic	NM_198356	prpf40a	7.184910345	2.077505579	5.107404766	1.10E-11
peak_1919	chr7	53915840	53916179	96181	Intergenic	NM_001144979	gnrhr2	6.577121152	1.469756971	5.107364181	3.43E-18
peak_4599	chr7	65890632	65890960	-63798	Intergenic	NM_001110485	m1ap	6.953791672	1.846475529	5.107316142	7.06E-13
peak_6718	chr8	55603875	55604894	469	intron (NM_131556, intron 1 of 12)	NM_131556	fgd	8.323709331	3.217489841	5.10621949	1.03E-10
peak_3250	chr20	17942411	17942886	156627	Intergenic	NM_131081	cdh2	6.595933653	1.490687863	5.10524579	5.63E-15
peak_3746	chr25	29880106	29880646	60392	intron (NM_001083002, intron 4 of 8)	NM_001083002	arid3b	7.988410256	2.883713692	5.104696564	4.03E-14
peak_4090	chr11	18888190	18889318	88867	Intergenic	NM_001079955	dido1	9.140930182	4.036234049	5.104696133	1.37E-13
peak_3892	chr17	46002345	46002625	26816	Intergenic	NR_029933		5.324258195	0.219835396	5.1044228	7.07E-14
peak_11821	chr17	38672790	38673441	-67907	Intergenic	NM_131525	sptb	8.815346382	3.711182759	5.104163623	1.11E-07
peak_3915	chr19	13312934	13313186	41123	Intergenic	NM_001045000	rnmt	5.323709331	0.219835396	5.103873935	7.64E-14
peak_3183	chr4	25013572	25014325	14161	intron (NM_001114575, intron 4 of 12)	NM_001114575	vetz	7.678924205	2.575268044	5.103656161	4.07E-15
peak_8047	chr5	14319522	14320494	-31046	intron (NM_182888, intron 5 of 8)	NM_001003780	ypel1	9.854209971	4.751232396	5.102977575	1.04E-09
peak_6268	chr22	17127424	17127963	91754	intron (NM_001079962, intron 3 of 10)	NM_001079962	nfia	7.812843792	2.709987288	5.102856505	4.30E-11
peak_2074	chr16	35970487	35971302	-6677	Intergenic	NM_199998	utp11l	7.693048356	2.592088499	5.100959856	9.91E-18
peak_3007	chr20	21865106	21865374	116963	Intergenic	NM_001030136	daam1b	5.791013355	0.691124799	5.099888556	2.11E-15
peak_7111	chr7	35109964	35111099	-92258	Intergenic	NM_131780	gro1	8.212435033	3.112590787	5.099844246	2.16E-10
peak_6739	chr12	20358139	20359299	-43051	Intergenic	NM_212747	csnk1e	9.717333231	4.617883887	5.099449343	1.07E-10
peak_4148	chr25	13901948	13902553	20472	3' UTR (NM_200870, exon 5 of 5)	NM_199873	ldhd	7.696444173	2.597147431	5.099296743	1.66E-13
peak_2233	chr23	17975626	17976056	4286	intron (NM_212854, intron 2 of 4)	NM_212854	rnd1	7.121906022	2.024849846	5.097056176	2.68E-17
peak_2315	chr6	2438481	2438986	-9460	Intergenic	NM_200334	hyi	7.551967047	2.455976754	5.095990293	5.33E-17
peak_6765	chr15	20816268	20817122	22807	Intergenic	NM_001089487	zgc:162608	9.228796962	4.132916528	5.095880433	1.11E-10
peak_3121	chr15	22624000	22624240	62472	Intergenic	NM_001007330	cbl	5.741207085	0.646338197	5.094868887	3.17E-15
peak_3926	chr3	53551236	53551558	13574	exon (NM_001001403, exon 6 of 25)	NM_001001403	atp13a	5.312102393	0.219835396	5.092266997	7.91E-14
peak_3015	chr17	30869288	30869614	-33565	intron (NM_001130785, intron 5 of 6)	NM_001128798	tpp1	5.801323604	0.709096771	5.092226832	2.18E-15
peak_2863	chr17	41137128	41137457	-99127	Intergenic	NM_001013292	supt7l	6.28721407	1.19500324	5.09221083	1.07E-15
peak_1093	chr3	53480629	53481579	-56719	Intergenic	NM_001001403	atp13a	9.513662665	4.421597368	5.092065298	1.00E-21
peak_1261	chr6	30230833	30231371	47605	intron (NM_001110470, intron 3 of 22)	NM_001110470	wwc3	7.725894197	2.633867441	5.092026756	8.85E-21
peak_2643	chr19	35179656	35179982	86923	Intergenic	NM_200225	otud6b	5.940238668	0.848221497	5.09201737	3.29E-16
peak_2827	chr6	18981134	18981464	23725	Intergenic	NM_001098259	si:rp71-81e14.2	5.994472906	0.902938058	5.091534847	8.89E-16
peak_3932	chr1	42325253	42325567	93617	Intergenic	NM_201502	smox	5.310995162	0.219835396	5.091159766	8.01E-14
peak_12780	chr13	5065205	5065967	180360	Intergenic	NM_131893	meis1	8.9754733	3.885853479	5.089619821	2.84E-07
peak_3979	chr5	42601883	42602262	-66193	Intergenic	NM_001077175	parp8	5.30933272	0.219835396	5.089497324	9.78E-14
peak_5687	chr3	43366638	43367464	-126132	Intergenic	NM_200517	zfand2a	7.770471253	2.681306914	5.089164339	1.18E-11
peak_4016	chr7	26400201	26400492	-91039	intron (NM_001076730, intron 16 of 21)	NM_212666	cyp26b1	5.308778146	0.219835396	5.08894275	1.10E-13
peak_17355	chr8	17624387	17625558	26883	Intergenic	NM_001099245	plk2b	8.928881498	3.840929419	5.087952079	8.86E-06
peak_6563	chr19	38699018	38699873	3888	Intergenic	NM_001044823	cx39.4	9.486521658	4.398795087	5.087726571	7.53E-11
peak_3065	chr14	33433845	33434221	133100	Intergenic	NM_182868	f9a	5.796189231	0.709096771	5.087092459	2.64E-15
peak_5292	chr18	14382039	14382541	40642	intron (NM_001044926, intron 3 of 13)	NM_001044926	mtss1l	8.248100916	3.161105631	5.086995285	4.69E-12
peak_5442	chr8	46309145	46309916	-51573	Intergenic	NM_001130631	ulk1a	7.081818765	1.994825282	5.086993483	6.68E-12
peak_3972	chr16	32781659	32782374	-44198	Intergenic	NM_212905	zgc:77086	7.78662726	2.70062424	5.08600302	9.59E-14
peak_3080	chr2	12307244	12307587	117746	intron (NM_001115122, intron 6 of 30)	NM_001115122	dpp6	5.776222767	0.691124799	5.085097968	2.81E-15
peak_1980	chr20	45627684	45628024	235761	Intergenic	NM_001080702	zgc:158643	6.676340685	1.592139519	5.084201167	5.44E-18
peak_3104	chr7	41973598	41973965	-2375	Intergenic	NM_200305	dnajb6b	6.309316546	1.226539182	5.082777364	2.93E-15
peak_4708	chr10	45125015	45125621	50311	intron (NM_131312, intron 3 of 10)	NM_131312	mef2ca	9.776470551	4.693711059	5.082759493	9.48E-13
peak_17495	chr5	47713307	47714016	24614	intron (NM_001128340, intron 2 of 37)	NM_001128340	iqgap2	8.947125473	3.864406007	5.082719465	9.73E-06
peak_3897	chr19	39961891	39962354	6350	intron (NM_001044795, intron 1 of 9)	NM_001044795	smap2	6.689193624	1.606593419	5.082600205	7.22E-14
peak_6776	chr20	7855495	7856131	93746	Intergenic	NM_001244756	bloc1s2	8.214439293	3.132277633	5.08216166	1.13E-10
peak_2314	chr7	26203318	26203951	-5538	Intergenic	NR_120316		6.977085916	1.896109522	5.080976394	5.32E-17
peak_4008	chr12	36288070	36288573	-11592	Intergenic	NM_001105598	timm23	7.730572096	2.649813366	5.08075873	1.08E-13
peak_8459	chr22	42015692	42017368	-6816	Intergenic	NM_001082868	arhgef3	9.779855249	4.699505928	5.080349322	1.98E-09
peak_1563	chr3	62007505	62008014	7292	TTS (NM_001200039)	NM_001200039	bri3	7.133244754	2.053731313	5.079513441	2.04E-19
peak_8793	chr4	2071228	2071647	-13659	Intergenic	NM_001089529	kcnc2	8.223099541	3.144236408	5.078863134	3.13E-09
peak_3763	chr14	21912353	21912628	10234	Intergenic	NM_001082820	zgc:162941	5.563922263	0.48510786	5.078814403	4.41E-14
peak_3977	chr4	17118901	17119165	150562	intron (NM_001100017, intron 11 of 25)	NM_001100017	anks1b	5.298167948	0.219835396	5.078332552	9.74E-14
peak_1816	chr11	43235830	43236253	-132455	Intergenic	NM_001105592	her15.2	6.869248174	1.791651471	5.077596703	1.44E-18
peak_1943	chr13	9778485	9778876	-19211	Intergenic	NM_131783	six2a	6.869823207	1.792814747	5.077008461	4.22E-18
peak_3485	chr13	27493601	27494229	-28689	Intergenic	NM_001076727	slc17a5	7.533671393	2.456710871	5.076960521	1.43E-14
peak_3826	chr21	5961463	5962141	-66835	Intergenic	NM_214783	mob1bb	7.701647062	2.626361649	5.075285412	5.57E-14
peak_591	chr7	72522770	72524004	38135	Intergenic	NM_200899	myoz2a	10.4541664	5.379771788	5.074394614	1.13E-25
peak_1485	chr21	43222536	43223007	45154	Intergenic	NM_200581	ammecr1	7.091533129	2.018835402	5.072697727	9.61E-20
peak_2857	chr21	29823473	29823984	-46865	intron (NM_001130656, intron 5 of 22)	NM_200143	zgc:55870	5.89835559	0.825787209	5.072568381	1.02E-15
peak_3060	chr10	5050604	5051008	21651	Intergenic	NM_001002226	enoph1	7.166321388	2.094613526	5.071707862	2.57E-15
peak_4813	chr11	26315057	26315813	2337	TTS (NM_131842)	NM_131842	mafbb	8.524952197	3.453501106	5.071451091	1.30E-12
peak_4962	chr23	2958762	2959179	33405	Intergenic	NM_001089467	zgc:158828	6.978471186	1.907116997	5.071354189	1.99E-12
peak_2884	chr18	35436256	35436549	-122574	Intergenic	NM_001044953	qpctla	5.950250571	0.87932337	5.070927202	1.22E-15
peak_4802	chr21	23442731	23443261	212096	intron (NM_001113551, intron 1 of 11)	NM_001113551	cadm1a	7.556556277	2.485671344	5.070884934	1.26E-12
peak_4549	chr3	14064588	14065011	-39140	Intergenic	NM_200456_1	lppr2a	5.290323821	0.219835396	5.070488426	6.13E-13
peak_5129	chr21	16389063	16389672	-2732	Intergenic	NM_001161551	rxraa	8.167842273	3.098628983	5.069213289	3.21E-12
peak_5332	chr25	6481090	6481576	5226	intron (NM_001002409, intron 1 of 7)	NM_001002409	rbpms2a	7.063304375	1.994825282	5.068479093	5.07E-12
peak_3544	chr11	11630835	11631479	5767	intron (NM_001102641, intron 3 of 7)	NM_001102641	zgc:171226	7.656927513	2.588796055	5.068131458	1.83E-14
peak_4837	chr24	25481196	25481492	-24276	Intergenic	NM_001007379	crhb	5.713796698	0.646338197	5.067458501	1.43E-12
peak_3545	chr17	17750502	17750774	-34578	Intergenic	NM_001045384	ccdc85ca	5.96864384	0.902938058	5.065705781	1.86E-14
peak_4494	chr4	19143783	19144418	-26446	Intergenic	NM_001025539	fgl2	8.522619048	3.459382078	5.06323697	5.26E-13
peak_2535	chr11	22370732	22371216	47338	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	7.276877139	2.214234088	5.06264305	1.77E-16
peak_2066	chr13	15348875	15349546	-3166	Intergenic	NM_001089342	loxl3b	8.850324577	3.788799211	5.061525366	9.51E-18
peak_2737	chr16	22498708	22499050	-87884	Intergenic	NM_199278	cpvl	6.31265569	1.251205952	5.061449738	5.36E-16
peak_2823	chr20	43176618	43176971	31566	Intergenic	NM_001039620	dusp23a	6.106804156	1.045780477	5.06102368	8.48E-16

peak_4115	chr6	46358161	46358426	-10765	intron (NM_001003535, intron 22 of 28)	NM_205561	stau1	5.28070812	0.219835396	5.060872724	1.46E-13
peak_2624	chr2	39394198	39394671	-14409	Intergenic	NM_001256642	spsb4a	7.63880123	2.578016344	5.060784887	2.99E-16
peak_3453	chr19	7854690	7854955	-7146	Intergenic	NM_001079992	col11a2	5.545626554	0.48510786	5.060518694	1.24E-14
peak_4347	chr23	8916213	8916734	-76520	Intergenic	NM_200986	tcea2	7.904910307	2.845161293	5.059749014	3.17E-13
peak_4232	chr11	22127005	22127256	-27055	Intergenic	NM_001114928	zgc:172180	5.279010388	0.219835396	5.059174992	2.21E-13
peak_760	chr11	6068502	6069185	14147	exon (NM_001020769, exon 8 of 9)	NM_001030244	vsg1	9.235064364	4.176020871	5.059043493	5.33E-24
peak_2980	chr7	17419755	17420364	-82634	Intergenic	NM_001006026	csrp3	7.578278743	2.51975487	5.058523873	1.90E-15
peak_3093	chr16	12674497	12674807	129737	Intergenic	NM_131602	dedd1	5.76734639	0.709096771	5.058249619	2.85E-15
peak_8281	chr16	46343157	46343636	44413	intron (NM_001114444_1, intron 3 of 10)	NM_001114444_1	oxr1a	7.489836878	2.431948405	5.057888473	1.54E-09
peak_4487	chr22	41122942	41123508	-475	promoter-TSS (NM_001045022)	NM_001045022	tm4sf18	5.276743633	0.219835396	5.056908237	5.14E-13
peak_8114	chr11	10663474	10664036	58503	Intergenic	NM_198876	b3gnt5a	8.464663278	3.408765165	5.055898113	1.17E-09
peak_3032	chr9	12943626	12943990	-8460	Intergenic	NM_001005941	pttg1ipb	5.881255784	0.825787209	5.055468575	2.33E-15
peak_1826	chr23	16402233	16402678	-282783	Intergenic	NM_200736	mrgbp	6.701535283	1.646674159	5.054861125	1.56E-18
peak_5746	chr4	25024678	25025088	-12622	intron (NM_001114575, intron 10 of 12)	NM_001100054	metap2a	7.086022825	2.031824933	5.054197891	1.33E-11
peak_3417	chr20	24707166	24707518	285303	Intergenic	NM_001044979	epha7	5.763280668	0.709096771	5.054183897	1.11E-14
peak_8719	chr4	22684926	22685581	9629	intron (NM_001017591, intron 3 of 9)	NM_001017591	cpm	7.497157152	2.443352351	5.053804801	2.83E-09
peak_2794	chr17	27653506	27654221	74131	intron (NM_131224, intron 4 of 7)	NM_131224	qkia	6.261315727	1.207700457	5.053615269	7.46E-16
peak_8307	chr17	53482350	53482817	50019	intron (NM_001076722, intron 10 of 10)	NM_131896_1	meis2a	7.895675336	2.842334288	5.053341047	1.60E-09
peak_6888	chr21	38346427	38346911	34903	TTS (NM_001037379)	NM_001037379	sept4a	7.282827479	2.229879429	5.052948049	1.39E-10
peak_5071	chr23	3492117	3492908	32782	Intergenic	NM_001001828	rnf114	7.855331501	2.803460632	5.05187087	2.68E-12
peak_10624	chr25	21812892	21813573	-38008	Intergenic	NM_001015065	erc1a	7.768064365	2.716259194	5.05180517	3.19E-08
peak_12808	chr7	56760072	56761029	42441	Intergenic	NM_200668	aprt	9.160167961	4.108425902	5.051742059	2.92E-07
peak_5696	chr23	25557879	25558153	-21272	exon (NM_001014826, exon 13 of 28)	NM_212641	pa2g4b	5.271061115	0.219835396	5.051225719	1.19E-11
peak_4138	chr15	31343945	31344199	-151384	Intergenic	NM_001005935	arfip2a	5.2704584	0.219835396	5.050623004	1.62E-13
peak_6393	chr19	30954503	30955018	53411	Intergenic	NM_214707	zdhhc18b	7.949894945	2.899451983	5.050442963	5.45E-11
peak_6377	chr13	18518511	18519001	-1763	Intergenic	NM_001123010	stox1	7.205656619	2.155703238	5.049953381	5.27E-11
peak_2894	chr23	10451475	10451838	-2428	Intergenic	NM_178437	krt18	5.952027388	0.902938058	5.049089329	1.27E-15
peak_2193	chr3	53084732	53085375	-81575	Intergenic	NM_001166291	ptger1c	8.270537907	3.222457623	5.048080284	2.15E-17
peak_2577	chr14	33646979	33647264	13874	intron (NM_001039135, intron 23 of 26)	NM_001113644_2	zgc:172101	6.100711391	1.052834703	5.047876688	2.20E-16
peak_7454	chr17	39911066	39911573	-27687	Intergenic	NR_048925_9		7.347314116	2.300427624	5.046886492	4.01E-10
peak_3814	chr24	8096920	8098694	11691	Intergenic	NM_001030066	bloc1s5	10.23785701	5.191503523	5.046353484	5.26E-14
peak_4858	chr19	13559193	13559608	21776	3' UTR (NM_200256, exon 7 of 7)	NM_001003765	cthrc1a	6.953092428	1.907116997	5.045975431	1.55E-12
peak_4130	chr20	30811188	30811897	83066	Intergenic	NM_212997	acbd3	9.039591024	3.993701352	5.045889671	1.56E-13
peak_3630	chr16	42215069	42215444	22093	intron (NM_182855, intron 3 of 7)	NM_182855	tgfbr2	6.534982914	1.490687863	5.044295051	2.59E-14
peak_7415	chr6	36999341	36999861	108269	intron (NM_001003851, intron 4 of 6)	NM_001003851	negr1	7.344189638	2.300427624	5.043762014	3.72E-10
peak_6370	chr1	17174821	17175380	12956	intron (NM_001170942, intron 1 of 10)	NM_001170942	klhl5	7.216071136	2.172505924	5.043565212	5.19E-11
peak_9670	chr16	15457346	15457911	20336	3' UTR (NM_200151, exon 4 of 5)	NM_200151	josd2	7.655619666	2.612105425	5.043514241	1.04E-08
peak_561	chr3	43511340	43512119	1658	intron (NM_201585, intron 2 of 17)	NM_201585	micall2a	8.94189133	3.899866356	5.042024974	5.79E-26
peak_3733	chr12	496039	496840	-20570	Intergenic	NM_001020657	dhrs7cb	7.681282646	2.640021589	5.041261057	3.82E-14
peak_6086	chr5	50018490	50019097	24143	intron (NM_001130962, intron 2 of 8)	NM_001130962	mef2cb	8.197428204	3.156201133	5.041227071	2.94E-11
peak_2149	chr17	21050436	21050977	-2403	Intergenic	NM_001045435	hspa12a	6.388263664	1.34754194	5.040721724	1.56E-17
peak_2686	chr18	20724529	20725122	102679	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	7.390631634	2.350613745	5.040017889	3.96E-16
peak_5643	chr23	28299117	28299574	-29080	Intergenic	NM_194371	sp5l	7.746666802	2.706728673	5.039938129	1.08E-11
peak_7034	chr23	26934755	26935142	-38919	Intergenic	NM_001080679	zgc:158263	7.269327044	2.229879429	5.039447614	1.80E-10
peak_2608	chr1	36389427	36390084	7056	intron (NM_001099445, intron 1 of 6)	NM_001099445	ednraa	8.46884503	3.430411956	5.038433073	2.75E-16
peak_2972	chr13	27727008	27727398	-149280	Intergenic	NM_001114589	ddx43	6.111917952	1.07379276	5.038125192	1.83E-15
peak_4211	chr19	19900847	19901184	83497	intron (NM_001020756, intron 14 of 27)	NM_001020756	ints8	5.256113835	0.219835396	5.036278439	2.06E-13
peak_6042	chr3	26596266	26596542	75048	intron (NM_001172397, intron 10 of 10)	NM_212762	rps15a	5.255571993	0.219835396	5.035736597	2.63E-11
peak_6076	chr23	1867060	1867742	141819	Intergenic	NM_001076663	rabggta	7.692085638	2.656775183	5.035310455	2.89E-11
peak_2656	chr3	60223558	60224046	34100	TTS (NM_001113799)	NM_001113799	zmp:000000068	7.194716208	2.159636059	5.035080149	3.45E-16
peak_3792	chr6	11500923	11501594	67249	intron (NM_001099261, intron 1 of 2)	NM_001099261		7.829114934	2.795071457	5.034043477	4.85E-14
peak_5125	chr12	18497859	18498270	-6353	Intergenic	NM_001001822	ptenb	6.983886115	1.950187435	5.03369868	3.18E-12
peak_4183	chr13	22438332	22438583	-18971	Intergenic	NM_001201566	usp54a	5.252657886	0.219835396	5.03282249	1.86E-13
peak_4182	chr10	33487442	33487684	-8737	Intergenic	NM_001030196	dgat2	5.252657886	0.219835396	5.03282249	1.86E-13
peak_3847	chr12	32797792	32798416	-7816	Intergenic	NM_131259	tcf7l2	7.806075517	2.773293379	5.032782138	6.02E-14
peak_1379	chr6	26938840	26939247	-44901	Intergenic	NM_001110383	scly	7.285797581	2.253370279	5.032427302	3.15E-20
peak_330	chr1	8104864	8105849	24541	intron (NM_201029, intron 3 of 16)	NM_201029	prkcba	9.782063195	4.749890448	5.032172748	2.23E-29
peak_2665	chr2	26443333	26443819	7048	exon (NM_001020477, exon 11 of 16)	NM_001020477	ptbp1a	7.502038007	2.469946833	5.032091174	3.59E-16
peak_2960	chr23	7775543	7775877	-8576	exon (NM_205718, exon 5 of 9)	NM_001100145	kif3b	6.246010754	1.214007405	5.03200335	1.70E-15
peak_3332	chr5	67876987	67877279	-57297	Intergenic	NM_001080575	col27a1b	5.740796001	0.709096771	5.03169923	7.80E-15
peak_2958	chr9	7170566	7170853	-39890	Intergenic	NM_001161497	coa5	5.934477557	0.902938058	5.031539498	1.70E-15
peak_3769	chr18	27264339	27264893	1608	intron (NM_001003735, intron 1 of 7)	NM_001003735	zgc:92411	8.042230421	3.010969831	5.03126059	4.51E-14
peak_2344	chr19	30370305	30370636	3800	5' UTR (NM_001002051, exon 2 of 10)	NM_001002051	stx12	6.384057969	1.353267399	5.03079057	6.13E-17
peak_1822	chr13	36880982	36881393	-40412	intron (NM_001122751, intron 6 of 23)	NM_001077552	dcaf5	6.962849681	1.932618865	5.030230816	1.48E-18
peak_3212	chr19	9634852	9635345	27246	Intergenic	NM_001007345	scamp3	7.421429062	2.392311815	5.029117247	4.61E-15
peak_4467	chr20	20899499	20899823	-5743	Intergenic	NM_173222	ckbb	5.248615454	0.219835396	5.028780059	4.94E-13
peak_3143	chr21	17854982	17855301	-21564	Intergenic	NM_001020689	nefma	5.854482322	0.825787209	5.028695112	3.50E-15
peak_4732	chr15	33255084	33255391	-23311	Intergenic	NM_001137661	frem2b	5.24687951	0.219835396	5.027044114	1.02E-12
peak_3254	chr6	33636144	33636440	6907	intron (NM_199933, intron 6 of 18)	NM_199933	orc1	5.929075087	0.902938058	5.026137029	5.68E-15
peak_9957	chr5	37984235	37985277	-31030	Intergenic	NM_001080643	fam155b	8.387935535	3.362120114	5.025815421	1.49E-08
peak_5147	chr25	29352767	29353044	-103392	Intergenic	NM_001098391	tmem17	5.244561664	0.219835396	5.024726268	3.35E-12
peak_3364	chr10	32795525	32795869	31648	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	5.733376394	0.709096771	5.024279623	9.02E-15
peak_9819	chr1	36350082	36350929	-32194	Intergenic	NM_001099445	ednraa	8.417825971	3.393852473	5.023973498	1.28E-08
peak_96	chr15	41031831	41033677	-56006	Intergenic	NM_001017799	zgc:110333	12.13751624	7.114374606	5.023141636	2.71E-37
peak_2327	chr19	11612930	11613344	-16578	Intergenic	NM_001081631	arhgef1a	7.017953176	1.99545022	5.022502957	5.70E-17
peak_4297	chr20	13574493	13574830	695	5' UTR (NM_001004548, exon 2 of 10)	NM_001004548	tagapb	5.241625209	0.219835396	5.021789813	2.66E-13
peak_4265	chr7	44620451	44620757	3194	exon (NM_001098757, exon 3 of 11)	NM_001098757	gpt2	5.241043983	0.219835396	5.021208588	2.42E-13
peak_1601	chr1	46247553	46247987	-25067	Intergenic	NM_001089578	si:ch211-214c7.5	7.110636561	2.089865567	5.020770994	2.66E-19
peak_4470	chr9	4820211	4820686	139337	Intergenic	NM_198356	prpf40a	6.833759465	1.813729373	5.020030091	4.96E-13
peak_4381	chr11	38474131	38475795	3901	intron (NM_001040385, intron 1 of 8)	NM_001040385	egfl7	8.113025496	3.093801301	5.019224195	3.63E-13
peak_10212	chr11	22172338	22173032	64556	Intergenic	NM_001002751	ikbke	7.681396005	2.663703566	5.017692439	1.96E-08
peak_2943	chr6	41456486	41456867	10490	intron (NM_001114419, intron 7 of 10)	NM_001114419	hemk1	6.091371914	1.07379276	5.017579155	1.60E-15
peak_3638	chr1	41740710	41741325	14072	intron (NM_131018, intron 10 of 66)	NM_131018	htt	8.887885767	3.870334508	5.017551259	2.64E-14
peak_12256	chr16	39868665	39869466	25040	intron (NM_001089345, intron 2 of 3)	NM_001089345	eva1ba	9.252293208	4.234887594	5.017405615	1.72E-07
peak_1297	chr5	47732915	47733779	44300	intron (NM_001128340, intron 5 of 37)	NM_001128340	iqgap2	9.217883603	4.200597303	5.0172863	1.34E-20
peak_303	chr23	8938643	8939385	-99061	Intergenic	NM_200986	tcea2	9.256877107	4.240117503	5.016759605	4.92E-30
peak_4355	chr19	4113406	4113728	-169636	Intergenic	NM_131519	edn1	5.235802386	0.219835396	5.01596699	3.25E-13
peak_1113	chr6	8315236	8315738	-16433	Intergenic	NM_001040393	kalrnb	9.324875418	4.309704324	5.015171095	1.32E-21
peak_3137	chr8	21962275	21962611	41072	Intergenic	NM_001040382	si:dkey-24f17.5	5.893925528	0.87932337	5.014602159	3.41E-15
peak_5476	chr10	24211045	24212205	128683	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	7.667576739	2.654458308	5.013118431	7.28E-12
peak_3000	chr19	22837396	22837771	5178	Intergenic	NM_001089564		6.239298899	1.226539182	5.012759717	2.02E-15
peak_4774	chr21	30266026	30266484	250021	Intergenic	NM_200451	asl	6.876398609	1.863651775	5.012746834	1.17E-12
peak_13319	chr11	30959409	30961141	-77566	Intergenic	NM_001130771	cdkl5	9.534796437	4.522288255	5.012508182	4.71E-07
peak_6121	chr21	43627636	43628590	33565	intron (NM_001012389, intron 2 of 10)	NM_001012389	tcf7	9.067058557	4.056009904	5.011048653	3.20E-11
peak_5491	chr9	7236985	7237370	43178	Intergenic	NM_001007305	creg2	7.005828203	1.994825282	5.011002921	7.52E-12
peak_2731	chr17	19981747	19982186	-7897	intron (NM_214691, intron 9 of 14)	NM_001037573	actn2	6.53591715	1.525612958	5.010304192	5.23E-16
peak_4902	chr3	34954228	34954694	47838	Intergenic	NM_001128742	cdk5r1a	7.122713448	2.112469176	5.010244272	1.72E-12
peak_5008	chr17	41909633	41910346	-197907	Intergenic	NM_001098390	zgc:162576	8.39678795	3.386635971	5.010151978	2.28E-12
peak_3090	chr14	53517200	53517489	18500	intron (NM_001077259, intron 4 of 5)	NM_001029961	exosc3	5.888347099	0.87932337	5.009023729	2.84E-15
peak_5455	chr24	12971908	12972189	50256	intron (NM_200925, intron 5 of 14)	NM_200925	stau2	5.228783833	0.219835396	5.008948437	6.91E-12
peak_3891	chr23	19560654	19560866	-41623	Intergenic	NM_131871	guca1b	5.492295346	0.48510786	5.007187486	7.07E-14
peak_2217	chr10	4744557	4745069	23249	intron (NM_001204256, intron 1 of 6)	NM_001204256	palm2	8.01999731	3.014383705	5.005613605	2.51E-17
peak_2875	chr18	1959460	1960578	214693	Intergenic	NM_207073	relt	8.838674448	3.833280374	5.005394074	1.16E-15
peak_2589	chr5	35738538	35739002	64243	intron (NM_001128543, intron 4 of 6)	NM_001128543	LOC567525	6.591126156	1.585947729	5.005178427	2.37E-16
peak_4293	chr3	32734194	32734523	-988	promoter-TSS (NM_001082807)	NM_001082807	tspan4b	5.224639552	0.219835396	5.004804156	2.63E-13

peak_4288	chr13	24549973	24550523	-14728	Intergenic	NM_001126381	rab4a	5.224051441	0.219835396	5.004216045	2.62E-13
peak_3039	chr25	1073692	1073964	62765	Intergenic	NM_001080075	nell2a	5.82950161	0.825787209	5.0037144	2.38E-15
peak_5895	chr2	30721034	30721629	90311	Intergenic	NM_001161340	myom1a	7.07513027	2.071799355	5.003330915	1.88E-11
peak_6291	chr7	39382348	39383075	-71218	Intergenic	NM_200889	heatr3	8.068242025	3.065474183	5.002767841	4.49E-11
peak_14436	chr11	37238766	37239706	-11010	exon (NM_001045285, exon 9 of 11)	NM_001004590	cyb561d1	8.269327044	3.267211207	5.002115836	1.20E-06
peak_4924	chr23	37781536	37782088	-108672	Intergenic	NM_200856	tor1l3	9.065495274	4.063440841	5.002054433	1.82E-12
peak_3540	chr11	18245503	18246055	-32263	Intergenic	NM_001077273	fam19a4b	8.154605547	3.154289404	5.000316143	1.82E-14
peak_2820	chr3	11168164	11168673	129576	Intergenic	NM_001099249	zgc:165627	7.468834169	2.469946833	4.998887336	8.35E-16
peak_5429	chr9	31497593	31498182	-11015	Intergenic	NM_001007213	cx45.6	8.473687939	3.475045898	4.998642041	6.49E-12
peak_10080	chr19	27674774	27675336	144940	Intergenic	NM_199927	gtf2h4	8.033347619	3.035105904	4.998241716	1.69E-08
peak_4046	chr25	1735078	1735914	-47199	Intergenic	NR_029991		8.81968346	3.822259606	4.997423854	1.19E-13
peak_2725	chr21	852703	853346	-20466	Intergenic	NM_194432	oaz2a	7.466971343	2.469946833	4.99702451	5.08E-16
peak_2621	chr18	44153894	44154377	-5421	exon (NM_213053, exon 19 of 21)	NM_213380	mcoln1a	6.957885721	1.961477043	4.996408678	2.94E-16
peak_2965	chr4	8798452	8798978	-13938	Intergenic	NM_001002186	tspan9b	7.062975556	2.067728465	4.995247091	1.76E-15
peak_3297	chr24	26678641	26678928	-93341	Intergenic	NM_200440	klhl24b	5.763709003	0.768621462	4.995087541	6.73E-15
peak_2557	chr23	4675164	4675701	84045	intron (NM_181498_1, intron 5 of 5)	NM_199749	cnbpa	6.159860497	1.165224779	4.994635719	1.98E-16
peak_6859	chr8	26195247	26195933	-6467	Intergenic	NM_001005960	atp5f1	7.150278395	2.155703238	4.994575157	1.30E-10
peak_3344	chr7	16752425	16752875	46526	intron (NM_001017638, intron 6 of 9)	NM_001017638	elp4	7.336440537	2.343579883	4.992860654	8.18E-15
peak_1259	chr6	33386243	33386873	151634	Intergenic	NM_201143	pik3r3b	8.041734772	3.049888385	4.991846387	8.72E-21
peak_3528	chr21	25061089	25061545	4506	intron (NM_001023574, intron 4 of 9)	NM_001023574	phkg1b	6.482464927	1.490687863	4.991777064	1.74E-14
peak_1932	chr24	386277	386634	-63594	intron (NM_001013328, intron 2 of 4)	NM_001115059	tgfbr1b	6.549166186	1.558449611	4.990716575	3.83E-18
peak_3372	chr5	42945269	42945624	3851	intron (NM_001100039, intron 2 of 7)	NM_001100039	arid3a	6.698985801	1.708547363	4.990438438	9.29E-15
peak_9876	chr3	43505745	43506851	7089	intron (NM_201585, intron 2 of 17)	NM_201585	micall2a	10.44654641	5.457017843	4.989528562	1.36E-08
peak_3893	chr24	24088027	24088276	191181	Intergenic	NM_001075111	hnf4g	5.698163794	0.709096771	4.989067023	7.08E-14
peak_4429	chr5	67451461	67451754	-14998	intron (NM_001017540, intron 4 of 7)	NM_131692	cmlc1	5.20626096	0.219835396	4.986425564	4.32E-13
peak_6169	chr20	2500211	2500697	112300	Intergenic	NM_001003990	med23	7.063633119	2.077505579	4.98612754	3.53E-11
peak_2478	chr19	42219032	42219496	-45218	Intergenic	NM_001128704	pdk4	6.789435766	1.803732367	4.985703399	1.34E-16
peak_3560	chr11	27930602	27931001	-141633	Intergenic	NM_001002171_1	hdac11	6.476043369	1.490687863	4.985355506	1.95E-14
peak_3124	chr1	27901690	27902095	-20916	intron (NM_203427, intron 3 of 10)	NM_213047	pwp2h	6.210126717	1.226539182	4.983587536	3.27E-15
peak_9481	chr12	27505458	27506127	-14630	Intergenic	NM_001020652	sncgb	8.640237831	3.657888193	4.982349638	8.17E-09
peak_5837	chr16	43043292	43043753	36454	Intergenic	NM_200203	mettl6	7.657030092	2.674731511	4.982298582	1.64E-11
peak_5160	chr6	14961657	14962045	3302	exon (NM_001083554, exon 2 of 12)	NM_001083554	tgfbrap1	5.202051377	0.219835396	4.982215981	3.43E-12
peak_3196	chr11	28808718	28809033	-37009	intron (NM_001077792, intron 10 of 18)	NM_201007	alpl	6.582893152	1.601791524	4.981101628	4.31E-15
peak_3308	chr1	44849245	44849609	-2099	exon (NM_001002678, exon 2 of 2)	NM_001288816	unc93b1	5.805283662	0.825787209	4.979496452	6.90E-15
peak_3171	chr7	70936613	70937063	22876	exon (NM_001100142, exon 2 of 5)	NM_001100142	phlpp2	7.121450826	2.142537912	4.978912914	3.84E-15
peak_4655	chr7	56761652	56761954	41188	Intergenic	NM_200668	aprt	5.198463301	0.219835396	4.978627905	8.19E-13
peak_5813	chr1	1160879	1161510	-60165	Intergenic	NM_131603	runx1	5.197899364	0.219835396	4.978063969	1.55E-11
peak_3505	chr2	11132910	11133295	136002	Intergenic	NM_001003980	lhx8a	6.564865048	1.587289192	4.977575856	1.54E-14
peak_9228	chr10	9518342	9518861	17779	Intergenic	NM_200727	ndufa8	7.967517759	2.990752054	4.976765705	5.73E-09
peak_3125	chr3	41372412	41373427	-269500	Intergenic	NM_001013277	gna12a	9.667991655	4.691292917	4.976698738	3.31E-15
peak_4486	chr5	65803295	65803689	16774	intron (NM_001083540, intron 4 of 5)	NM_001083540	zswim7	6.695371462	1.719076102	4.97629536	5.12E-13
peak_3383	chr13	9527962	9528251	5646	exon (NM_001030064, exon 10 of 15)	NM_001030064	rnaset2	5.684498737	0.709096771	4.975401965	9.60E-15
peak_3028	chr13	9084684	9085228	122171	Intergenic	NM_001076662	sfxn4	7.042058735	2.06709154	4.974967195	2.30E-15
peak_9206	chr15	1443299	1443816	7987	exon (NM_001007107, exon 8 of 8)	NM_001007107	il12a	7.465984106	2.493469792	4.972514314	5.57E-09
peak_3798	chr5	40681711	40681984	-5974	exon (NM_001130840, exon 68 of 72)	NM_001004632	anxa3a	5.457606365	0.48510786	4.972498506	4.94E-14
peak_4037	chr8	54657661	54658142	-36412	Intergenic	NM_001003546	gins4	7.56377895	2.59231394	4.97146501	1.16E-13
peak_4478	chr5	73271106	73271333	-111453	Intergenic	NM_001003629	rgs3a	5.191260267	0.219835396	4.971424871	5.03E-13
peak_4477	chr13	22107169	22107411	140982	Intergenic	NM_001145707	zswim8	5.191260267	0.219835396	4.971424871	5.03E-13
peak_4521	chr14	13999966	14000249	28425	Intergenic	NM_201467	prp19	5.190658387	0.219835396	4.970822992	5.68E-13
peak_1576	chr6	42360155	42360630	-10817	Intergenic	NM_201470	ip6k2	8.591649136	3.621154147	4.97049499	2.25E-19
peak_12816	chr7	49676115	49676774	31760	Intergenic	NM_131427	cpeb1b	7.967249096	2.996787327	4.970461769	2.94E-07
peak_2384	chr14	34621518	34621949	-32979	Intergenic	NM_201032	xpnpep2	6.935376005	1.965220699	4.970155306	7.36E-17
peak_2376	chr17	46201760	46202357	226389	Intergenic	NR_029933		7.939243419	2.969747928	4.969495491	7.06E-17
peak_4773	chr23	25715522	25715810	136378	Intergenic	NM_212641	pa2g4b	5.188248356	0.219835396	4.96841296	1.17E-12
peak_11529	chr3	35165513	35166115	74788	intron (NM_200978, intron 3 of 16)	NM_200978	prkcbb	7.784335294	2.81595363	4.968381664	8.44E-08
peak_3141	chr16	29335211	29335523	116946	Intergenic	NM_001104936	alg2	6.041391262	1.07379276	4.967598503	3.46E-15
peak_6109	chr19	23677496	23678260	58189	intron (NM_001004287, intron 5 of 16)	NM_001004287	grb10a	8.912200738	3.944834718	4.96736602	3.15E-11
peak_5107	chr13	25369096	25369512	52688	intron (NM_001272084, intron 3 of 10)	NM_001272084	adka	7.294234872	2.328246974	4.965987898	2.99E-12
peak_12917	chr17	35266999	35267723	3207	intron (NM_001045207, intron 1 of 27)	NM_001045207	asap2a	7.962658	2.996787327	4.965870673	3.22E-07
peak_3523	chr20	34370756	34371436	19616	Intergenic	NM_199279	ivns1abpa	8.229857101	3.264675333	4.965181768	1.68E-14
peak_2527	chr6	9305486	9306002	8175	TTS (NM_001045166)	NM_001045166	pglyrp2	6.998615189	2.03382562	4.964789568	1.73E-16
peak_3215	chr23	10627672	10628012	124726	Intergenic	NM_001099237	eif4ba	5.866989699	0.902938058	4.96405164	4.66E-15
peak_5023	chr16	34134118	34134478	6911	intron (NM_214775, intron 2 of 11)	NM_214775	rbfox1l	6.158340149	1.19500324	4.963336909	2.38E-12
peak_1845	chr11	10931853	10932263	-17196	Intergenic	NM_001083573	psmd14	7.22124604	2.258703709	4.962542331	1.79E-18
peak_4546	chr2	39631026	39631606	-168061	Intergenic	NM_001002667	slc25a36a	7.474058966	2.512097593	4.961961373	6.06E-13
peak_3526	chr15	34389439	34389743	7956	TTS (NM_213519)	NM_001025476	bloc1s3	5.65287205	0.691124799	4.961747251	1.73E-14
peak_7673	chr10	45722930	45724133	5042	TTS (NM_001079664)	NM_001079664	rilpl1	9.920314336	4.959134112	4.961180223	5.75E-10
peak_8584	chr21	32890691	32891625	107309	Intergenic	NM_199763	rnf145b	8.297465234	3.336457624	4.961007611	2.32E-09
peak_1425	chr17	28122667	28123230	38116	Intergenic	NM_001242995	kdm1a	9.484432438	4.523527276	4.960905161	5.12E-20
peak_3198	chr15	25003922	25004468	-11656	Intergenic	NM_001002314	hic1	6.202981825	1.242675602	4.960306223	4.36E-15
peak_3247	chr19	42488021	42488481	2598	exon (NM_001013293, exon 3 of 3)	NM_001013293	chrac1	7.026926057	2.06709154	4.959834516	5.60E-15
peak_7160	chr6	13397142	13397955	-18496	Intergenic	NM_200497	gmppab	8.052486734	3.093068521	4.959418213	2.32E-10
peak_2990	chr11	18630634	18631005	4660	intron (NM_001080008, intron 1 of 5)	NM_001080008	tmcc1b	6.443990114	1.48548354	4.958506573	1.96E-15
peak_4035	chr9	24093629	24094115	10984	Intergenic	NM_205594	mmadhc	7.797079181	2.839053501	4.95802568	1.15E-13
peak_3603	chr20	132311	132659	13410	Intergenic	NM_001199968	wu:fc14h06	6.381950515	1.424574834	4.957375681	2.29E-14
peak_1655	chr6	28890050	28890737	-16693	Intergenic	NM_212650	si:dkey-98p3.1	8.965188174	4.00908125	4.956106925	4.31E-19
peak_3875	chr2	16249932	16250353	-20069	Intergenic	NM_001017611	zgc:110269	7.150269366	2.194285677	4.955983689	6.81E-14
peak_401	chr8	4598439	4599381	30107	3' UTR (NM_001007378, exon 6 of 6)	NM_001007378	pptc7a	10.11326487	5.157546956	4.95571791	5.29E-28
peak_9150	chr12	9288402	9289193	-35145	Intergenic	NM_001002613	nrbf2b	8.440826364	3.486924443	4.953901921	5.15E-09
peak_3494	chr6	326371	326779	-12178	Intergenic	NM_001008588	ift27	7.277735776	2.323872829	4.953862947	1.47E-14
peak_5413	chr7	22947802	22948623	-7772	Intergenic	NM_001077144	tmem88b	7.866995193	2.915469303	4.951525889	6.16E-12
peak_6831	chr6	7500569	7501128	50315	Intergenic	NM_001002070	pa2g4a	7.967073377	3.015691253	4.951382124	1.25E-10
peak_2917	chr10	15236370	15236782	-47010	Intergenic	NM_200923	vldlr	6.705753954	1.754828024	4.95092593	1.38E-15
peak_5027	chr8	31381234	31381463	32136	intron (NM_001123253, intron 1 of 22)	NM_001123253	si:dkey-91m11.5	5.169361555	0.219835396	4.94952616	2.39E-12
peak_3971	chr8	29251113	29251681	7639	exon (NM_130924, exon 6 of 10)	NM_130924	ptpn1	6.555738538	1.606593419	4.949145119	9.59E-14
peak_2909	chr11	26348143	26348706	3993	exon (NM_131234, exon 3 of 6)	NM_131234	gata1a	6.833770709	1.885017416	4.948753293	1.34E-15
peak_11315	chr25	18907369	18907897	15138	intron (NM_200118, intron 10 of 11)	NM_200118	poc1b	8.800340519	3.852327347	4.948013172	6.77E-08
peak_4358	chr24	6155861	6156324	5487	intron (NM_200634, intron 1 of 16)	NM_200634	apbb1ip	7.87423955	2.92703279	4.94720676	3.26E-13
peak_1860	chr16	10225217	10225702	-261630	Intergenic	NM_001289913	cobl	8.412981289	3.46719621	4.945785079	1.99E-18
peak_7666	chr14	36399117	36399664	-127998	Intergenic	NM_001003412	clint1a	8.475545722	3.529992818	4.945552905	5.71E-10
peak_7567	chr1	17462248	17462679	83351	Intergenic	NM_212886	pgm2	7.175323875	2.229879429	4.945444446	4.90E-10
peak_3607	chr5	38342875	38343129	12112	Intergenic	NM_001017863	ppp1r14aa	5.824056051	0.87932337	4.944732682	2.33E-14
peak_3651	chr8	20863944	20864321	-46933	intron (NM_001123274, intron 16 of 23)	NM_001256671	myo1f	6.435109625	1.490687863	4.944421761	2.82E-14
peak_2397	chr8	19823335	19823691	-32243	intron (NM_205637, intron 5 of 19)	NM_212872	zgc:77486	6.291711318	1.34754194	4.944169377	8.19E-17
peak_4552	chr19	8424985	8425279	3491	exon (NM_001002337, exon 3 of 7)	NM_001002337	hax1	5.163852432	0.219835396	4.944017037	6.22E-13
peak_4543	chr1	13485926	13486307	3947	Intergenic	NR_048926		5.163239007	0.219835396	4.943403611	6.03E-13
peak_4544	chr13	17985826	17986109	6141	intron (NM_001161435, intron 1 of 5)	NM_001161435	Mar-08	5.163239007	0.219835396	4.943403611	6.03E-13
peak_3127	chr25	1281181	1281496	74390	Intergenic	NM_213027	zgc:73185	6.043078817	1.0999435	4.943135317	3.32E-15
peak_8218	chr3	52597430	52598159	-132827	Intergenic	NM_001102636_1	zgc:165582	8.365191393	3.42286211	4.942329283	1.38E-09
peak_3959	chr3	8204452	8204881	10458	intron (NM_001104940, intron 2 of 14)	NM_001104940	si:ch211-175l6.9	7.422703558	2.48044886	4.942254698	9.05E-14
peak_4959	chr23	46094154	46094738	22199	intron (NM_001042775, intron 10 of 13)	NM_001042775	abcg2a	7.669960086	2.727835404	4.942124682	1.98E-12
peak_4720	chr1	29162996	29163446	92188	exon (NM_001080616, exon 26 of 45)	NM_001080616	vps8	7.638457372	2.697134775	4.941322598	9.87E-13
peak_4496	chr19	24993508	24993929	19598	Intergenic	NM_200087	txnipa	6.508607768	1.567723154	4.940884614	5.28E-13
peak_6256	chr2	35972581	35973393	139883	Intergenic	NM_001199372	LOC100331689	7.83829863	2.89749406	4.94080457	4.23E-11
peak_4242	chr16	45897217	45897605	-17909	Intergenic	NM_001199721	si:dkey-7j14.6	6.427181529	1.490687863	4.936493666	2.28E-13

peak_3807	chr15	22577157	22577613	15737	intron (NM_001007330, intron 2 of 15)	NM_001007330	cbl	7.292561174	2.356327051	4.936234124	5.14E-14
peak_3907	chr16	31123384	31123608	14120	Intergenic	NM_001077306	chtopb	5.420523517	0.48510786	4.935415658	7.41E-14
peak_5259	chr19	11575193	11575442	21242	intron (NM_001081631, intron 2 of 21)	NM_001081631	arhgef1a	5.154587543	0.219835396	4.934752147	4.39E-12
peak_3289	chr21	29741427	29741710	16011	intron (NM_001013544, intron 3 of 4)	NM_001013544	pgap2	6.129647348	1.19500324	4.934644108	6.51E-15
peak_3865	chr24	39359842	39360341	-5430	intron (NM_001163897, intron 2 of 2)	NM_001007426_1	ccpg1	6.50228763	1.567723154	4.934564476	6.63E-14
peak_3307	chr8	19507758	19508095	-89764	Intergenic	NM_001082819	rorca	6.161089962	1.226539182	4.93455078	6.90E-15
peak_2928	chr20	22335750	22336069	42761	intron (NM_001024653, intron 15 of 31)	NM_001024653	kdr	6.321236854	1.387082901	4.934153952	1.47E-15
peak_3283	chr2	23450134	23450638	-11418	TTS (NM_001128248)	NM_001080004	zgc:154006	6.007537912	1.07379276	4.933745152	6.41E-15
peak_8133	chr11	22342920	22343476	75114	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	8.463238458	3.531124874	4.932113584	1.20E-09
peak_3618	chr8	20868057	20868417	50531	intron (NM_001123274, intron 15 of 23)	NM_001123274	adamts10	5.578285455	0.646338197	4.931947258	2.44E-14
peak_1045	chr17	29258886	29259538	49062	Intergenic	NM_001003513	traf3	8.562927509	3.63227081	4.930656699	5.27E-22
peak_4666	chr7	20639610	20639899	-46158	Intergenic	NM_001017654	ttc5	5.149021604	0.219835396	4.929186208	8.43E-13
peak_15846	chr13	39754372	39755036	5958	intron (NM_001145594, intron 1 of 19)	NM_001145594	LOC566435	8.288546552	3.362206056	4.926340497	3.38E-06
peak_2899	chr13	17960959	17961318	30970	intron (NM_001161435, intron 1 of 5)	NM_001161435	Mar-08	6.592038041	1.670405631	4.92163241	1.28E-15
peak_6507	chr10	33234112	33234738	175291	intron (NM_201069, intron 14 of 14)	NM_131076	wnt11r	7.409687848	2.488275513	4.921412334	6.80E-11
peak_2936	chr13	21382636	21383144	407696	Intergenic	NM_001045412	tspan14	7.035537667	2.114361168	4.921176499	1.54E-15
peak_5316	chr8	17622088	17622761	24335	Intergenic	NM_001099245	plk2b	8.963106314	4.042298083	4.920808231	4.93E-12
peak_3779	chr23	27688064	27688632	-5178	3' UTR (NM_001030205, exon 11 of 11)	NM_212963	dip2ba	6.285242108	1.364650599	4.920591509	4.64E-14
peak_6000	chr5	74758771	74759520	75673	Intergenic	NM_001003993	ak1	9.221321859	4.301572737	4.919749122	2.33E-11
peak_3211	chr15	21118966	21119712	-9837	Intergenic	NM_001080802	scn3b	7.980490022	3.060743485	4.919746537	4.59E-15
peak_3128	chr3	2176959	2178534	-25127	Intergenic	NM_205640	mgp	8.83993087	3.920897013	4.919033857	3.32E-15
peak_5320	chr18	15980701	15981173	74963	Intergenic	NM_001045074	alx1	6.73252551	1.813729373	4.918796136	4.96E-12
peak_8428	chr15	14559315	14560030	24045	intron (NM_205762, intron 1 of 7)	NM_205762	traf4a	8.508593682	3.589978457	4.918615225	1.91E-09
peak_4260	chr14	23335606	23336059	-67629	Intergenic	NM_001042720	atp7a	6.523768423	1.606593419	4.917175005	2.38E-13
peak_8361	chr12	9465437	9466218	-111113	Intergenic	NM_200161	reep3b	8.451002793	3.535039307	4.915963486	1.72E-09
peak_3598	chr13	34634743	34635014	-278229	intron (NM_200549, intron 8 of 19)	NM_001100953	tasp1	5.741618051	0.825787209	4.915830842	2.23E-14
peak_6964	chr23	40703014	40703582	18288	exon (NM_199972, exon 5 of 7)	NM_199972	elovl4b	7.318744063	2.404099474	4.914644589	1.61E-10
peak_8402	chr2	484538	485186	-74584	Intergenic	NM_212920	wrnip1	8.476969244	3.562770383	4.914198861	1.85E-09
peak_4752	chr3	23575795	23576025	63495	Intergenic	NM_199214	col1a1a	5.133410493	0.219835396	4.913575097	1.09E-12
peak_2707	chr4	24825614	24825957	34073	intron (NM_001277130, intron 23 of 32)	NM_001277130	lamb1b	6.499117148	1.585947729	4.913169419	4.61E-16
peak_8853	chr17	41441167	41444833	15154	3' UTR (NM_001082998, exon 5 of 5)	NM_001082998	fosl2	9.537550365	4.624599186	4.912951179	3.42E-09
peak_2659	chr12	7208179	7208561	58994	Intergenic	NM_131003	dkk1b	6.955063638	2.042931626	4.912132012	3.50E-16
peak_4693	chr21	39473051	39473411	-25336	Intergenic	NM_001082815_1	zgc:162239	5.130902821	0.219835396	4.911067425	9.18E-13
peak_11442	chr16	50630677	50631620	6173	intron (NM_001256029, intron 3 of 13)	NM_001256029	hm:zeh0351	9.113821701	4.204144072	4.909677629	7.72E-08
peak_4497	chr5	4267681	4268244	36815	exon (NM_173238, exon 17 of 20)	NM_173238	srrt	8.799159357	3.88949046	4.909668897	5.28E-13
peak_4482	chr3	15718354	15718759	11240	intron (NM_212636, intron 2 of 6)	NM_212636	lasp1	6.628596916	1.719076102	4.909520814	5.10E-13
peak_2093	chr20	20372472	20373010	24186	Intergenic	NM_200263	snapc1a	6.765528843	1.856102539	4.909426304	1.13E-17
peak_2836	chr20	35115337	35115818	4376	intron (NM_001045094, intron 1 of 36)	NM_001045094	si:ch211-89p3.3	7.948021275	3.039746612	4.908274663	9.33E-16
peak_9641	chr8	33750225	33751050	-8392	Intergenic	NM_001123289	si:dkey-56i24.1	8.229633111	3.321808019	4.907825092	1.01E-08
peak_3903	chr6	11233965	11234338	-45931	Intergenic	NM_001017811	zgc:112416	6.132488909	1.226539182	4.905949727	7.32E-14
peak_3415	chr11	29030009	29030435	-64759	Intergenic	NM_001033094_1	ephb2b	5.808033224	0.902938058	4.905095165	1.10E-14
peak_6154	chr4	10076801	10077135	12126	intron (NM_001130603, intron 1 of 11)	NM_001130603	tmtc2	6.811387788	1.907116997	4.904270791	3.42E-11
peak_6775	chr7	28684249	28684727	127401	Intergenic	NM_001002471	calca	7.269033671	2.364854808	4.904178863	1.13E-10
peak_3714	chr1	44372204	44372461	11199	intron (NM_199812, intron 7 of 7)	NM_199812	zgc:66472	5.595238372	0.691124799	4.904113573	3.48E-14
peak_3752	chr4	20010738	20011116	-131045	Intergenic	NM_001002463	syt1a	6.482956608	1.579327125	4.903629483	4.12E-14
peak_3460	chr21	36279652	36279970	72899	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	6.003411208	1.0999435	4.903467709	1.28E-14
peak_4365	chr9	54715457	54715905	30039	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	6.881826052	1.979376909	4.902449144	3.41E-13
peak_3596	chr12	5839867	5840176	-30100	Intergenic	NM_001113591	kif22	5.805283662	0.902938058	4.902345603	2.19E-14
peak_4096	chr17	28097566	28097803	63380	Intergenic	NM_001242995	kdm1a	5.611095035	0.709096771	4.901998264	1.40E-13
peak_3626	chr2	42007144	42007579	-20718	intron (NM_001002650, intron 5 of 7)	NM_001017836	zgc:110183	5.804890439	0.902938058	4.90195238	2.56E-14
peak_4456	chr2	24126557	24126911	19936	Intergenic	NM_001012377	xirp1	6.615612369	1.713875669	4.9017367	4.77E-13
peak_4932	chr4	18064180	18064435	32315	Intergenic	NM_001014369	impdh1b	5.118894578	0.219835396	4.899059182	1.85E-12
peak_1984	chr3	53706657	53707238	23584	intron (NM_131447, intron 6 of 7)	NM_001003578	lpar2a	8.034694605	3.136820718	4.897873888	5.55E-18
peak_2465	chr10	9243647	9244030	-6029	Intergenic	NM_001003479	rasgef1bb	6.72672478	1.830195358	4.896529422	1.23E-16
peak_1346	chr20	26534705	26535424	26393	intron (NM_001242996, intron 19 of 26)	NM_001242996	mthfd1l	7.940323157	3.047131771	4.893191387	2.05E-20
peak_5454	chr15	26094219	26094622	172872	Intergenic	NM_001075106	ccdc9	6.800140369	1.907116997	4.893023372	6.87E-12
peak_1292	chr7	52970342	52971378	-81822	Intergenic	NM_001044906	zgc:136763	9.943015064	5.050502683	4.89251238	1.29E-20
peak_12966	chr15	31209399	31210007	51348	Intergenic	NM_001110394	brca2	7.84559815	2.953659189	4.891938961	3.38E-07
peak_6096	chr12	19796814	19797353	52923	intron (NM_001201558, intron 4 of 18)	NM_001201558	mkl1b	8.081002327	3.189114054	4.891888273	3.00E-11
peak_9332	chr23	32752961	32753556	122137	Intergenic	NM_200286	taf8	8.539122632	3.647569206	4.891553425	6.65E-09
peak_8992	chr1	42367082	42367612	135554	Intergenic	NM_201502	smox	7.558073708	2.666539069	4.891534639	4.17E-09
peak_4492	chr10	30130790	30131211	50707	intron (NM_001012378, intron 1 of 23)	NM_001012378	dlg2	6.605235529	1.713875669	4.891359861	5.23E-13
peak_347	chr11	40360490	40361864	7231	intron (NM_001018120, intron 1 of 5)	NM_200632	cdc42	10.96146439	6.070906383	4.890558006	3.97E-29
peak_9831	chr12	33505189	33505684	35190	Intergenic	NM_212932	lrrc59	8.198397187	3.309694799	4.888702388	1.29E-08
peak_6478	chr12	43134970	43135740	5612	intron (NM_212880, intron 2 of 9)	NM_212880	zgc:76887	8.670617133	3.783109428	4.887507706	6.46E-11
peak_1441	chr23	1690027	1690449	5523	intron (NM_213471, intron 3 of 18)	NM_213471	stxbp3	7.500467529	2.613271974	4.887195555	5.97E-20
peak_10013	chr25	18799033	18799613	18470	Intergenic	NM_194380	dusp6	7.4389233	2.552474647	4.886448653	1.59E-08
peak_3515	chr8	15419692	15419977	12062	intron (NM_001123272, intron 10 of 14)	NM_001123272	soat1	5.958072879	1.07379276	4.884280119	1.61E-14
peak_4335	chr16	32834704	32835104	31761	exon (NM_152971, exon 6 of 12)	NM_152971	lmna	7.032666307	2.149135593	4.883530714	3.05E-13
peak_8399	chr14	25817185	25817911	-56751	Intergenic	NM_131736	slit3	7.740608407	2.857299846	4.88330856	1.83E-09
peak_3790	chr25	31613157	31613481	163072	Intergenic	NM_001020632	banp	5.590683305	0.709096771	4.881586534	4.84E-14
peak_8378	chr13	19896788	19897749	31173	intron (NM_001002536, intron 5 of 6)	NM_001002536	fam204a	8.029130777	3.147607693	4.881523083	1.78E-09
peak_2472	chr9	34709758	34710242	-26241	Intergenic	NM_212827	mao	6.38747603	1.506126384	4.881349646	1.26E-16
peak_3644	chr19	12694181	12694678	73427	Intergenic	NM_200882	pabpc1b	7.40071553	2.51975487	4.880960659	2.70E-14
peak_11666	chr12	25090486	25091043	-144208	Intergenic	NM_001035261	svila	7.646399376	2.766967388	4.879431988	9.56E-08
peak_4835	chr1	39798872	39799150	48607	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	5.09910867	0.219835396	4.879273274	1.41E-12
peak_4199	chr17	38681808	38682120	-59058	Intergenic	NM_131525	sptb	6.78164007	1.903219283	4.878420787	1.98E-13
peak_3577	chr9	42255551	42255865	25847	intron (NM_001004510, intron 7 of 19)	NM_001004510	stat4	5.756382873	0.87932337	4.877059504	2.03E-14
peak_4631	chr9	31464404	31465233	807	exon (NM_001128350, exon 1 of 1)	NM_001128350	cx50.5	6.5909114	1.713875669	4.877035732	7.75E-13
peak_7958	chr10	29961453	29962215	15957	intron (NM_200927, intron 18 of 19)	NM_001102572	ccdc83	8.022456458	3.145959354	4.876497104	8.91E-10
peak_13973	chr7	39002987	39003790	11006	intron (NM_001043333, intron 3 of 9)	NM_001043333	nkd1	7.977511959	3.102427838	4.87508412	8.22E-07
peak_5733	chr5	32453057	32453522	55040	intron (NM_001083847, intron 11 of 11)	NM_174860	ruvbl2	6.548240493	1.673255946	4.874984547	1.30E-11
peak_6793	chr25	38498246	38498972	42578	Intergenic	NM_001040635	fanca	6.98371241	2.10908919	4.87462322	1.16E-10
peak_10440	chr18	43061980	43062644	-4147	Intergenic	NM_200063	ehd2b	7.427083592	2.552474647	4.874608945	2.54E-08
peak_5096	chr12	1265695	1265981	23855	Intergenic	NM_001284432	sox8a	5.093967964	0.219835396	4.874132568	2.90E-12
peak_6529	chr14	789187	789544	66	promoter-TSS (NM_194364)	NM_194364	adra2da	5.093930409	0.219835396	4.874095013	7.11E-11
peak_4189	chr18	33674447	33674967	77300	Intergenic	NM_199671	snrpa	8.016165896	3.14233452	4.873831376	1.91E-13
peak_5174	chr14	1143402	1143662	17339	intron (NM_212882, intron 3 of 12)	NM_001258230_1	slc16a2	5.093324086	0.219835396	4.87348869	3.55E-12
peak_12795	chr5	32380554	32381784	-17080	Intergenic	NM_174860	ruvbl2	7.782427528	2.909201936	4.873225592	2.88E-07
peak_11115	chr3	22621864	22622545	-17571	Intergenic	NM_001204250	zgc:194167	8.750404366	3.877511238	4.872893128	5.56E-08
peak_5264	chr17	38010135	38010442	-46914	Intergenic	NM_001077153	zfp36l1a	5.09267992	0.219835396	4.872844524	4.43E-12
peak_5037	chr25	16858447	16858853	87867	Intergenic	NM_001002217	cpa4	7.768965948	2.896250808	4.87271514	2.46E-12
peak_4059	chr4	39708507	39709030	326991	Intergenic	NM_001109839	zgc:173617	5.774995334	0.902938058	4.872057276	1.24E-13
peak_2538	chr23	37784995	37785880	-112297	Intergenic	NM_200856	tor1l3	8.721516659	3.850637439	4.87087922	1.78E-16
peak_8976	chr13	20458443	20459295	-165684	Intergenic	NM_131730_1	gfra1a	8.871467131	4.000623066	4.870844065	4.05E-09
peak_5736	chr1	1202056	1202910	-72865	Intergenic	NR_039328		5.090100377	0.219835396	4.870264982	1.30E-11
peak_3102	chr3	26323094	26323649	92724	Intergenic	NM_001040348	rab40c	7.68493241	2.815356044	4.869576366	2.91E-15
peak_261	chr12	48887037	48888203	21693	Intergenic	NM_130934_1	hhex	10.8702648	6.002426336	4.867838468	3.12E-31
peak_4769	chr15	19697368	19697772	-4631	Intergenic	NM_131403	tpst1	7.090565572	2.223641638	4.866923934	1.15E-12
peak_527	chr9	3998567	3999410	-330631	Intergenic	NM_180973	sp5a	8.52914506	3.663991103	4.865153956	2.93E-26
peak_4963	chr1	17153560	17153781	34386	intron (NM_001170942, intron 2 of 10)	NM_001170942	klhl5	5.08424168	0.219835396	4.864406284	1.99E-12
peak_5024	chr11	28918644	28919141	8400	intron (NM_001077792, intron 1 of 18)	NM_001077792	ece1	6.470599566	1.606593419	4.864006147	2.38E-12
peak_3675	chr15	8436075	8436372	-33037	Intergenic	NM_001128700	tmem160	5.937709354	1.07379276	4.863916594	3.03E-14
peak_3333	chr1	19663309	19663602	29127	intron (NM_214810, intron 2 of 10)	NM_214810	cpe	6.115093328	1.251205952	4.863887376	7.81E-15
peak_2743	chr24	4376786	4377694	-150648	Intergenic	NM_201461	klf6a	9.756605706	4.89272567	4.863880037	5.54E-16

peak_428	chr16	55056001	55056707	-22281	Intergenic	NM_001082926	si:ch211-107n13.	9.267603372	4.403782032	4.86382134	1.16E-27
peak_5077	chr22	13602057	13602447	-298229	Intergenic	NM_131264	ahr2	6.470351632	1.606593419	4.863758213	2.75E-12
peak_4437	chr10	32787604	32787829	23667	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	5.348806386	0.48510786	4.863698526	4.43E-13
peak_3389	chr23	8930386	8931394	-90937	Intergenic	NM_200986	tcea2	8.326447572	3.464423268	4.862024304	9.86E-15
peak_8252	chr23	33130927	33131809	-372576	Intergenic	NR_029935		8.233814824	3.372505746	4.861309078	1.47E-09
peak_4930	chr7	64540844	64541131	750995	Intergenic	NM_131287	sox17	5.08099759	0.219835396	4.861162194	1.84E-12
peak_4228	chr23	7881247	7881525	97100	Intergenic	NM_001100145	kif3b	5.552228681	0.691124799	4.861103882	2.17E-13
peak_3438	chr16	39897504	39897899	16430	intron (NM_001037432, intron 10 of 15)	NM_001037432	zgc:123285	6.760241588	1.89931101	4.860930578	1.17E-14
peak_5070	chr3	11040383	11040700	29586	intron (NM_001077531, intron 2 of 6)	NM_001077531	srl	6.673315483	1.813729373	4.85958611	2.68E-12
peak_3506	chr22	10477960	10478300	-14194	Intergenic	NM_001195614	stab1	5.93267898	1.07379276	4.858886221	1.55E-14
peak_1300	chr15	16020200	16020840	23274	intron (NM_001166205, intron 1 of 29)	NM_001166205	hip1	8.778221377	3.920356357	4.857865021	1.35E-20
peak_11942	chr5	839754	840738	5	promoter-TSS (NM_131461)	NM_131461	tek	9.009514019	4.152440452	4.857073567	1.28E-07
peak_3823	chr14	27627906	27628676	-82696	Intergenic	NM_182862	tgfbi	8.081322328	3.224573107	4.85674922	5.53E-14
peak_2411	chr6	12547281	12547707	-47532	Intergenic	NM_198064	slc15a1b	7.561932069	2.705836143	4.856095926	8.66E-17
peak_6940	chr15	34651118	34651567	101716	Intergenic	NM_001080189_1	zgc:158328	7.881074713	3.025670039	4.855404673	1.52E-10
peak_3041	chr5	24926800	24927213	15631	Intergenic	NM_001013350	agtr2	6.075446821	1.2202869	4.855159921	2.38E-15
peak_2135	chr15	41036189	41036634	-52349	Intergenic	NM_001017799	zgc:110333	7.434862928	2.581497499	4.853365429	1.42E-17
peak_2057	chr12	25197335	25197850	-37380	Intergenic	NM_001035261	svila	8.009340884	3.156080773	4.853260111	8.99E-18
peak_16204	chr25	38479440	38480657	24017	Intergenic	NM_001040635	fanca	8.25468746	3.401656788	4.853030673	4.30E-06
peak_4558	chr20	42635991	42636473	39344	exon (NM_001039627, exon 17 of 47)	NM_001039627	igf2r	8.520162354	3.668415117	4.851747237	6.36E-13
peak_3741	chr2	20789864	20790470	-41	promoter-TSS (NM_001006007)	NM_001006007	nrn1b	7.4415891	2.589891108	4.851697993	3.95E-14
peak_2502	chr1	51966233	51966634	-21558	Intergenic	NM_131897	meis4.1a	6.681074652	1.829899531	4.851175121	1.50E-16
peak_691	chr12	45024928	45025451	-248501	Intergenic	NM_001110011_1	dock1	8.40154961	3.550840463	4.850709147	1.17E-24
peak_2062	chr21	10559970	10560502	99989	intron (NM_001002562, intron 1 of 12)	NM_001083836	zgc:162344	8.106968308	3.256506805	4.850461503	9.35E-18
peak_3703	chr18	33030987	33031288	89391	Intergenic	NM_001045019	tiparp	5.822913981	0.975101991	4.84781199	3.36E-14
peak_7385	chr23	792535	793244	-10882	Intergenic	NM_131847	mitfb	8.539240833	3.691474304	4.847766529	3.52E-10
peak_4990	chr24	6479404	6479773	-20511	Intergenic	NM_131774	anxa13	5.065941806	0.219835396	4.84610641	2.19E-12
peak_5224	chr11	23269926	23270355	61762	intron (NM_001100151, intron 1 of 28)	NM_001100151	ppfia4	6.658784617	1.813729373	4.845055244	3.96E-12
peak_4999	chr4	22726072	22726339	-31323	intron (NM_001130599, intron 6 of 13)	NM_001017591	cpm	5.064628484	0.219835396	4.844793088	2.24E-12
peak_5000	chr7	26351348	26351597	48642	intron (NM_001076730, intron 7 of 21)	NM_001076730	exoc6b	5.064628484	0.219835396	4.844793088	2.24E-12
peak_4998	chr19	34091924	34092286	-5719	Intergenic	NM_200723	hpca	5.064628484	0.219835396	4.844793088	2.24E-12
peak_4275	chr19	8079075	8079442	2726	exon (NM_001100011, exon 2 of 10)	NM_001100011	fam63a	5.490829325	0.646338197	4.844491128	2.53E-13
peak_5629	chr13	17991475	17992303	219	intron (NM_001161435, intron 1 of 5)	NM_001161435	Mar-08	9.428349381	4.584504185	4.843845196	1.05E-11
peak_6087	chr23	22287657	22288118	78888	Intergenic	NM_001136488	phc2a	7.402016031	2.558932965	4.843083066	2.94E-11
peak_6353	chr16	25985541	25986060	51038	Intergenic	NM_200765	rps27.2	6.837609172	1.994825282	4.84278389	5.04E-11
peak_2265	chr3	56607507	56608088	-9310	Intergenic	NM_131561	axin2	7.90371192	3.060940733	4.842771187	3.46E-17
peak_2251	chr19	45368236	45368635	8757	exon (NM_213455, exon 5 of 12)	NM_213455	zgc:55573	7.003935187	2.161604759	4.842330429	3.01E-17
peak_13566	chr6	95657	97946	8765	Intergenic	NM_001045449	zglp1	10.99617396	6.153857978	4.842315983	5.87E-07
peak_5492	chr10	14584591	14585098	1790	exon (NM_001045421, exon 2 of 3)	NM_001045421	zgc:153395	7.410204963	2.567900552	4.842304411	7.54E-12
peak_3406	chr9	3092250	3092681	-76144	Intergenic	NM_001076667	dync1i2a	7.212509155	2.370443173	4.842065982	1.07E-14
peak_3413	chr16	8864355	8864612	-8822	Intergenic	NM_001001848	popdc3	5.895773041	1.054120914	4.841652127	1.09E-14
peak_3251	chr7	38948112	38948423	66127	Intergenic	NM_001043333	nkd1	5.893925528	1.052834703	4.841090825	5.64E-15
peak_7902	chr12	951810	952206	95402	Intergenic	NM_212974	tob1b	6.554596824	1.713875669	4.840721155	8.14E-10
peak_4238	chr12	40046935	40047465	43450	Intergenic	NM_001110169	zgc:171957	7.522566239	2.682545747	4.840020492	2.26E-13
peak_19750	chr5	832060	833542	-7440	intron (NM_001002385, intron 13 of 16)	NM_131461	tek	8.85876191	4.018843164	4.839918746	3.55E-05
peak_2477	chr7	14121659	14122072	67926	intron (NM_001245957, intron 5 of 10)	NM_001082864	sdhaf2	6.426429776	1.587289192	4.839140584	1.34E-16
peak_3610	chr23	46163155	46163574	2638	exon (NM_200942, exon 5 of 9)	NM_200942	syap1	6.031994474	1.19500324	4.836991234	2.34E-14
peak_5951	chr23	26041149	26041484	44122	intron (NM_001003541, intron 4 of 13)	NM_001020498	fitm2	5.056723348	0.219835396	4.836887952	2.09E-11
peak_2270	chr3	31986627	31986954	29405	Intergenic	NM_001109833	zgc:171779	6.347171218	1.5103201	4.836851118	3.61E-17
peak_5597	chr7	25183200	25183633	6015	exon (NM_001256257, exon 4 of 5)	NM_001256257	cideb	6.443217591	1.606593419	4.836624172	9.81E-12
peak_3708	chr20	241742	242084	2257	intron (NM_001039065, intron 1 of 39)	NM_001039065	lama4	6.062656257	1.226539182	4.836117075	3.41E-14
peak_2331	chr16	26929381	26929966	6273	intron (NM_199562, intron 2 of 4)	NM_199562	ywhabl	8.613771309	3.777763965	4.836007344	5.76E-17
peak_5522	chr9	28461307	28461644	-17404	exon (NM_001045137, exon 22 of 26)	NM_200931	kdelc1	5.054701687	0.219835396	4.834866291	8.01E-12
peak_8908	chr2	33538651	33539620	25053	TTS (NM_001105679)	NM_001105679	kiss1ra	8.763899519	3.929586149	4.83431337	3.68E-09
peak_2859	chr8	31055584	31056077	-40263	intron (NM_001123258, intron 12 of 14)	NR_030033		7.49094442	2.658637411	4.832307009	1.05E-15
peak_10031	chr10	23821780	23822796	-463224	intron (NM_200664, intron 2 of 10)	NM_001020582	nle1	8.445389388	3.613238565	4.832150823	1.61E-08
peak_5485	chr23	8008636	8009454	224759	Intergenic	NM_001100145	kif3b	7.88136535	3.049693026	4.831672325	7.37E-12
peak_5155	chr16	41141308	41141624	77423	intron (NM_001281990, intron 4 of 4)	NM_001281990	LOC566054	5.051390411	0.219835396	4.831555015	3.41E-12
peak_3912	chr24	9193879	9194186	-99384	Intergenic	NM_199567	tgif1	5.730870537	0.902938058	4.827932478	7.49E-14
peak_9477	chr9	9901703	9902538	-9464	Intergenic	NM_131381	gsk3b	7.257855471	2.431948405	4.825907065	8.12E-09
peak_3783	chr20	22281112	22281442	-10135	Intergenic	NM_001044939	srd5a3	5.871503119	1.045780477	4.825722642	4.73E-14
peak_2887	chr23	40694540	40694881	9700	exon (NM_199972, exon 3 of 7)	NM_199972	elovl4b	6.833952194	2.009358568	4.824593626	1.23E-15
peak_2058	chr6	7869815	7870327	-42168	Intergenic	NM_001004636	tmem237b	7.679788522	2.855259204	4.824529317	9.10E-18
peak_3890	chr4	10206000	10206414	21429	Intergenic	NM_001045042	prmt8b	6.188833659	1.364650599	4.82418306	7.05E-14
peak_7510	chr20	17412926	17413303	-372907	Intergenic	NM_131081	cdh2	7.006341329	2.182425019	4.82391631	4.42E-10
peak_4460	chr7	30965134	30965500	-57236	Intergenic	NM_201067	rorab	6.049087358	1.226539182	4.822548176	4.85E-13
peak_2985	chr24	43375211	43376469	44129	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	9.819807939	4.997319214	4.822488725	1.92E-15
peak_3199	chr3	46380925	46381690	36706	Intergenic	NM_001017690	snrnp25	9.332857198	4.511122832	4.821734366	4.38E-15
peak_3973	chr17	25392395	25392706	12987	intron (NM_200352, intron 8 of 8)	NM_200352	rtn4ip1	6.275024664	1.453857079	4.821167585	9.62E-14
peak_2152	chr19	28919880	28920363	-74423	Intergenic	NM_001082990	si:dkey-261i16.5	8.490077919	3.669845122	4.820232798	1.59E-17
peak_3848	chr12	29067677	29068285	34733	Intergenic	NM_001002450	meox1	7.958951602	3.139650039	4.819301563	6.03E-14
peak_2090	chr7	66506439	66506830	176095	Intergenic	NM_001077722	tpcn2	6.561350189	1.742420727	4.818929462	1.10E-17
peak_10488	chr11	14530009	14530748	-31780	Intergenic	NM_001122654	ptbp1b	7.312362929	2.493469792	4.818893137	2.69E-08
peak_4177	chr11	38946029	38946917	60122	Intergenic	NM_201004	snrpe	9.52222866	4.703615729	4.818612931	1.83E-13
peak_4129	chr17	52372479	52372855	-27711	exon (NM_001040406, exon 3 of 11)	NM_001114406	exd2	6.183078327	1.364650599	4.818427729	1.56E-13
peak_3678	chr10	33467953	33468260	10720	intron (NM_001030196, intron 4 of 7)	NM_001030196	dgat2	6.013355669	1.19500324	4.818352429	3.07E-14
peak_3834	chr9	13617101	13617489	13974	Intergenic	NM_131139	fzd7a	6.242803896	1.424574834	4.818229061	5.82E-14
peak_4444	chr11	14385553	14385988	40246	Intergenic	NM_001199872	med16	6.424639322	1.606593419	4.818045903	4.54E-13
peak_4225	chr7	21754506	21754906	-14259	Intergenic	NM_001204179	wu:fi38e01	6.307929697	1.490687863	4.817241834	2.15E-13
peak_3962	chr4	7462193	7462632	26702	intron (NM_001025506, intron 3 of 7)	NM_001025506	adipor2	6.043745509	1.226539182	4.817206328	9.22E-14
peak_5998	chr3	50977290	50978223	-177890	Intergenic	NM_207063	asf1ba	8.091461929	3.274828629	4.816633299	2.33E-11
peak_3927	chr17	25325397	25325794	39481	Intergenic	NM_201486	clic4	6.630582356	1.814437873	4.816144484	7.91E-14
peak_4264	chr1	58465737	58466071	220904	Intergenic	NM_001110761	si:ch211-114l13.5	6.180370147	1.364650599	4.815719548	2.40E-13
peak_2912	chr14	40667102	40667552	-139767	Intergenic	NM_131782	glra4a	6.694971866	1.879609235	4.815362632	1.35E-15
peak_4592	chr1	17735678	17736231	28309	intron (NM_001145577, intron 1 of 21)	NM_001145577	limch1a	7.409802059	2.594732709	4.815069349	6.84E-13
peak_4526	chr2	7178666	7179068	-42170	Intergenic	NM_001271291	agrp2	6.78423556	1.969413354	4.814822206	5.79E-13
peak_2177	chr8	39162540	39163189	131262	Intergenic	NM_001039526	prlhr2a	8.111992785	3.297241996	4.814750789	1.93E-17
peak_4419	chr4	27137384	27137744	56247	intron (NM_214799, intron 5 of 13)	NM_214799	tbc1d22a	6.238990865	1.424574834	4.814416031	4.17E-13
peak_3688	chr7	27062028	27062371	15493	intron (NM_201124, intron 1 of 14)	NM_201124	arrb2b	5.859413719	1.045780477	4.813633243	3.19E-14
peak_5437	chr15	3240530	3241030	121173	Intergenic	NM_001098750	stoml3a	7.464732771	2.652137707	4.812595065	6.61E-12
peak_3172	chr24	14386061	14386387	30687	Intergenic	NM_001163831	prdm14	6.020505421	1.208855805	4.811649616	3.88E-15
peak_10079	chr13	44798146	44798598	529431	Intergenic	NM_001160346	zfyve21	7.305004857	2.493469792	4.811535065	1.69E-08
peak_2421	chr25	7744005	7744439	55820	Intergenic	NM_001177312	ifitm5	7.455714363	2.644509215	4.811205147	9.45E-17
peak_5167	chr16	27441205	27441455	5477	Intergenic	NM_001100103	tyrobp	5.030649868	0.219835396	4.810814472	3.48E-12
peak_6473	chr3	36744288	36744752	-5845	intron (NM_001007771, intron 11 of 13)	NM_199963	rogdi	7.090242908	2.279901416	4.810341492	6.39E-11
peak_2932	chr23	39158194	39158641	112349	Intergenic	NM_001080609	sall4	7.083602902	2.273505234	4.810097668	1.49E-15
peak_559	chr17	12840812	12841710	-11008	Intergenic	NM_153655	psma6a	10.2405384	5.430966317	4.809572082	5.60E-26
peak_3943	chr8	24328814	24329313	-45886	Intergenic	NM_001014824	sema3gb	6.035705242	1.226539182	4.809166061	8.36E-14
peak_9375	chr14	30592133	30592902	-52514	Intergenic	NM_001045414	zgc:153146	7.163410283	2.355004635	4.808405647	7.06E-09
peak_7146	chr12	16057527	16058387	26618	intron (NM_001003453, intron 6 of 7)	NM_001002599	sult1st6	8.054040039	3.245824824	4.808215215	2.27E-10
peak_10877	chr24	35664165	35665239	-182533	Intergenic	NM_001002724	zgc:92591	9.070709297	4.262739302	4.807969995	4.31E-08
peak_3330	chr7	63038618	63038963	147557	Intergenic	NM_200491	tbc1d19	6.58217817	1.776641318	4.805536852	7.72E-15
peak_4958	chr4	14244828	14245546	-76149	Intergenic	NM_131680	nrf1	7.471693066	2.66639814	4.805294925	1.97E-12
peak_6009	chr13	31079217	31079668	51442	Intergenic	NM_178307	cxcl12a	6.712095621	1.907116997	4.804978624	2.41E-11
peak_3543	chr11	31438302	31438626	38391	exon (NM_001037102, exon 2 of 10)	NM_001037102	slc8a1a	5.859034979	1.054120914	4.804914065	1.83E-14

peak_4756	chr12	31562964	31563883	56230	Intergenic	NM_001128687	trub1	9.086279696	4.283373904	4.802905792	1.11E-12
peak_3563	chr1	37131645	37132131	85908	intron (NM_001145789, intron 9 of 17)	NM_001145788	dclk2	7.17197358	2.370443173	4.801530408	1.96E-14
peak_4078	chr13	28500545	28500861	-4802	Intergenic	NM_170765	tlx1	6.027937234	1.226539182	4.801398052	1.32E-13
peak_7486	chr7	65833534	65834149	-6843	Intergenic	NM_001110485	m1ap	8.585070317	3.783774736	4.801295581	4.23E-10
peak_6645	chr24	6841979	6842496	-383160	Intergenic	NM_131774	anxa13	7.608294082	2.808018238	4.800275844	8.91E-11
peak_5153	chr17	53605246	53605839	-53145	Intergenic	NM_001076722	zgc:154061	6.571801766	1.771592457	4.800209309	3.40E-12
peak_928	chr9	16147420	16148278	-330587	Intergenic	NM_200144	upp2	8.090010278	3.290591731	4.799418547	7.44E-23
peak_7950	chr2	17152195	17152669	61758	intron (NM_214785, intron 4 of 10)	NM_214785	st3gal3b	7.559589543	2.760912554	4.79867699	8.81E-10
peak_4971	chr7	23868741	23869494	10062	Intergenic	NM_001114442	ugt5g1	8.700972743	3.902430395	4.798542347	2.02E-12
peak_4315	chr22	25552371	25552893	-1444	Intergenic	NM_001164812	pet117	8.602692771	3.804212466	4.798480306	2.84E-13
peak_3146	chr12	15341041	15341360	20401	intron (NM_001083009, intron 7 of 12)	NM_001083009	mto1	6.467607045	1.669744596	4.797862449	3.54E-15
peak_2706	chr8	52372376	52372834	60105	Intergenic	NM_001083854	ido1	6.493759878	1.6959635	4.797796378	4.61E-16
peak_13087	chr24	27076529	27077099	3147	exon (NM_001197254, exon 5 of 5)	NM_001197254	and1	7.706930345	2.909201936	4.797728409	3.84E-07
peak_3870	chr3	53245334	53245817	53644	Intergenic	NM_001013514	zgc:113210	6.16231838	1.364650599	4.797667781	6.71E-14
peak_10647	chr16	33137093	33137541	35973	intron (NM_131796, intron 2 of 31)	NM_131796	ptk2ab	7.314582504	2.516988386	4.797594117	3.30E-08
peak_14822	chr6	40409455	40409965	11311	Intergenic	NM_001288657	im:7136940	7.954782306	3.157458375	4.79732393	1.60E-06
peak_4342	chr25	23762889	23763339	12721	intron (NM_200880, intron 1 of 6)	NM_200880	dusp8a	6.664877105	1.867657718	4.797219387	3.11E-13
peak_6415	chr21	10523208	10523648	63181	exon (NM_001002562, exon 8 of 13)	NM_001083836	zgc:162344	6.792017282	1.994825282	4.797192	5.74E-11
peak_7393	chr23	38950663	38951094	-95190	Intergenic	NM_001080609	sall4	6.905902981	2.10908919	4.796813791	3.56E-10
peak_2196	chr21	37383720	37384464	111258	Intergenic	NM_001080058	zgc:158291	10.37013639	5.573351521	4.79678487	2.17E-17
peak_2771	chr14	41014066	41014745	-486845	Intergenic	NM_131782	glra4a	8.612351167	3.816167228	4.796183939	6.49E-16
peak_12035	chr16	16933046	16934526	50619	intron (NM_001077320, intron 7 of 9)	NM_001077320	deptor	10.23933422	5.443467725	4.795866491	1.38E-07
peak_4132	chr4	8273069	8273528	-6270	Intergenic	NM_001017706	hcfc2	7.265751445	2.471391661	4.794359784	1.57E-13
peak_704	chr4	60633592	60634139	16143	Intergenic	NM_001017670	ms4a17a.11	9.399502026	4.606214277	4.793287749	1.82E-24
peak_4882	chr1	12478037	12478687	-322490	Intergenic	NM_001115058	pcdh18a	7.299424643	2.5067813	4.792643343	1.65E-12
peak_1756	chr8	13451106	13451652	10159	intron (NM_001004664, intron 5 of 19)	NM_001004664	zgc:103670	7.919171448	3.126642404	4.792529044	8.86E-19
peak_4075	chr3	59127668	59128055	92791	Intergenic	NM_001002657	uqcrc2a	7.189746312	2.397896483	4.791849829	1.32E-13
peak_1608	chr9	23394843	23395267	1753	TTS (NM_001013275)	NM_001013275	crygs4	7.963202128	3.171637166	4.791564962	2.80E-19
peak_4634	chr9	35339992	35340697	-198	promoter-TSS (NM_001100107)	NM_001100107	cd247l	7.588050949	2.797276332	4.790774617	7.81E-13
peak_17166	chr11	176964	178721	-12670	Intergenic	NM_001114412	zgc:172352	9.631674988	4.8409599	4.790715088	7.81E-06
peak_4886	chr11	37305062	37305445	55007	Intergenic	NM_001004590	cyb561d1	6.504468724	1.713875669	4.790593056	1.66E-12
peak_3839	chr9	23503154	23503416	104835	Intergenic	NM_001012390	crygs3	5.693048356	0.902938058	4.790110297	5.88E-14
peak_6915	chr19	37173428	37173931	-29112	Intergenic	NM_001082901	col8a2	6.784822225	1.994825282	4.789996943	1.46E-10
peak_3537	chr17	39833980	39834423	-30938	Intergenic	NM_001288652	eprs	6.958592959	2.168709871	4.789883087	1.81E-14
peak_4077	chr1	23074326	23074670	-55880	Intergenic	NM_200059	rps3a	5.862839956	1.07379276	4.789047196	1.32E-13
peak_10489	chr15	15997177	15998040	46186	intron (NM_001166205, intron 4 of 29)	NM_001166205	hip1	8.47974331	3.690894829	4.788848482	2.70E-08
peak_3734	chr16	29176285	29176712	-69769	Intergenic	NM_001002108	ino80c	7.061843299	2.273505234	4.788338065	3.83E-14
peak_4430	chr2	524998	525405	-114923	Intergenic	NM_212920	wrnip1	6.255233832	1.468301591	4.786932241	4.33E-13
peak_6736	chr12	35552441	35553135	-21242	intron (NM_001003874, intron 8 of 9)	NM_182874	timp2a	7.985463697	3.198531797	4.7869319	1.07E-10
peak_3249	chr21	3747457	3747835	-58277	Intergenic	NM_175082	smad7	6.122704245	1.336022403	4.786681842	5.62E-15
peak_1992	chr19	1649998	1651089	-47844	Intergenic	NM_001089516	lrrc3b	8.18028109	3.394953069	4.785328022	5.97E-18
peak_3294	chr9	39282998	39283356	-62079	intron (NM_001115139, intron 7 of 38)	NM_001002214	tfcp2l1	6.739973482	1.954649331	4.785324151	6.68E-15
peak_4789	chr5	45457559	45458000	-19690	Intergenic	NM_212927	mccc2	7.441722947	2.657031694	4.784691253	1.22E-12
peak_2403	chr5	24924819	24926006	14037	Intergenic	NM_001013350	agtr2	7.866219596	3.082115255	4.784104341	8.33E-17
peak_1028	chr22	32638905	32640176	-26993	Intergenic	NM_212565	dusp5	10.44018231	5.657605441	4.782576869	3.87E-22
peak_9657	chr20	19105682	19106104	27018	intron (NM_001013265, intron 6 of 6)	NM_001013265	pinx1	7.213851329	2.431948405	4.781902923	1.03E-08
peak_3917	chr22	27381650	27381898	74486	Intergenic	NM_001045127	si:dkey-44g23.5	5.607492003	0.825787209	4.781704793	7.72E-14
peak_6991	chr16	24973187	24973638	-17646	Intergenic	NM_001079956	pbxip1b	7.102001624	2.320455322	4.781546301	1.67E-10
peak_7193	chr4	1443263	1444575	-15436	Intergenic	NM_001045104	slc38a2	9.091213033	4.310045207	4.781167826	2.49E-10
peak_2660	chr17	23022005	23022423	45411	intron (NM_001110464, intron 13 of 16)	NM_001110464	rasgrp3	6.368129927	1.587289192	4.780840736	3.53E-16
peak_6570	chr20	21561082	21561554	97962	Intergenic	NM_131862	jag2b	7.798566973	3.018503389	4.780063584	7.64E-11
peak_6806	chr2	57826101	57827232	26998	intron (NM_131094, intron 3 of 17)	NM_131094	tcf3a	9.829554166	5.049992286	4.77956188	1.20E-10
peak_3830	chr5	65437119	65437450	37429	Intergenic	NM_001110103	aspa	5.832977038	1.054120914	4.778856125	5.69E-14
peak_5113	chr24	19264639	19265052	-44820	Intergenic	NM_200844	zgc:66014	6.269302101	1.490687863	4.778614238	3.02E-12
peak_5099	chr20	41172862	41173309	372089	Intergenic	NM_001100023	si:dkey-233p4.1	8.154678199	3.376167479	4.778510721	2.93E-12
peak_5879	chr9	31942199	31942590	18537	intron (NM_001080673, intron 1 of 10)	NM_001080673	dachd	6.142775633	1.364650599	4.778125034	1.79E-11
peak_2395	chr13	31432189	31432576	-44031	Intergenic	NM_001110389	mapk8a	6.683001699	1.906357506	4.776644194	7.88E-17
peak_8483	chr18	48859877	48860390	32583	intron (NM_001045317, intron 1 of 4)	NM_001045317	mob2b	7.86567062	3.089829434	4.775841186	2.06E-09
peak_4440	chr20	6626186	6626511	11093	exon (NM_001171068, exon 12 of 17)	NM_001171068	mcm3l	5.995871737	1.2202869	4.775584837	4.47E-13
peak_7631	chr4	7662294	7662739	-72118	Intergenic	NM_130937	wnt5b	6.931238503	2.155703238	4.775535265	5.40E-10
peak_4215	chr14	252810	253203	8600	Intergenic	NM_001080593	hs3st1	6.229352923	1.453857079	4.775495845	2.10E-13
peak_3101	chr19	42144690	42145911	14678	Intergenic	NM_001017628	asb4	10.6314924	5.856092345	4.775400056	2.91E-15
peak_4949	chr23	16562476	16563080	290126	Intergenic	NM_212691	sdcbp	6.764708513	1.991157761	4.773550752	1.92E-12
peak_5295	chr7	23142267	23142916	-55721	intron (NM_001166329, intron 2 of 6)	NM_001115127	epo	7.647283393	2.873789355	4.773494038	4.80E-12
peak_2112	chr9	48596522	48596912	285201	Intergenic	NM_001003480	zgc:92380	7.434848102	2.661863863	4.772984239	1.26E-17
peak_4002	chr15	22056748	22057474	-129099	Intergenic	NM_001003748	sgcg	9.480706565	4.707959871	4.772746693	1.06E-13
peak_3037	chr11	37212920	37213278	-7017	exon (NM_200667, exon 6 of 7)	NM_001045285	atxn7l2a	6.398218533	1.625584991	4.772633541	2.36E-15
peak_3963	chr6	45853828	45854161	-11110	Intergenic	NM_131415	epha2a	6.074161164	1.30163016	4.772531004	9.35E-14
peak_1849	chr19	2339382	2339810	-24992	intron (NM_198819, intron 28 of 28)	NM_001007153	twistnb	7.069238991	2.297424682	4.771814309	1.83E-18
peak_4628	chr3	30369569	30369850	-91	promoter-TSS (NM_001128737)	NM_001128737	zgc:195001	6.02289397	1.251205952	4.771688017	7.70E-13
peak_4292	chr5	57768271	57768869	52876	intron (NM_001271308, intron 32 of 52)	NM_001271308	acaca	7.589649771	2.818229436	4.771420335	2.63E-13
peak_3836	chr7	43949855	43950152	60151	intron (NM_001007175, intron 3 of 39)	NM_001007175	scrib	5.997573204	1.226539182	4.771034023	5.87E-14
peak_5375	chr5	58136472	58137265	197063	Intergenic	NM_001007340	ppm1db	7.567390296	2.799272142	4.768118153	5.50E-12
peak_16389	chr8	51244177	51245011	41846	Intergenic	NM_200675	rer1	8.136865111	3.369201652	4.767663458	4.86E-06
peak_4645	chr16	17127796	17128071	244766	Intergenic	NM_001077320	deptor	5.252657886	0.48510786	4.767550026	7.93E-13
peak_15029	chr19	33050237	33050917	-2904	Intergenic	NM_212561	hey1	7.924722662	3.157458375	4.767264287	1.85E-06
peak_5148	chr16	40967089	40967496	24785	Intergenic	NM_001128394	bnipl	6.480988878	1.713875669	4.767113209	3.36E-12
peak_7656	chr16	41743406	41743870	54514	Intergenic	NM_001159994	gdf6a	6.92236291	2.155703238	4.766659671	5.61E-10
peak_6033	chr19	9877493	9877840	-22216	Intergenic	NM_001079945	si:rp71-15k1.1	4.986132253	0.219835396	4.766296858	2.57E-11
peak_3474	chr5	21897249	21897643	2086	TTS (NM_001204169)	NM_001204169	isg15	6.750052918	1.983794631	4.766258287	1.34E-14
peak_5371	chr16	9617546	9618026	25295	intron (NM_213342, intron 8 of 13)	NM_213342	ddc	6.479511316	1.713875669	4.765635648	5.47E-12
peak_8700	chr3	39600921	39601484	5794	exon (NM_213496, exon 6 of 11)	NM_213496	prpsap2	7.065941806	2.300427624	4.765514182	2.72E-09
peak_922	chr18	23013651	23015086	39787	intron (NM_131301, intron 2 of 9)	NM_131301	mef2aa	10.19387286	5.429235746	4.764637119	6.97E-23
peak_8181	chr13	4024484	4025067	1687	intron (NM_200372, intron 1 of 7)	NM_200372	sft2d1	7.405788433	2.641362951	4.764425482	1.30E-09
peak_6787	chr21	12460441	12460829	396889	Intergenic	NM_001025182	stxbp1a	6.577838644	1.813729373	4.764109271	1.15E-10
peak_6796	chr1	21670880	21671677	45438	Intergenic	NM_212731	gtf2e2	8.150970193	3.387146376	4.763823817	1.17E-10
peak_4877	chr3	26053190	26053686	14388	intron (NM_001017538, intron 3 of 11)	NM_001017538	nubp1	8.152829894	3.389871074	4.762958821	1.63E-12
peak_3882	chr1	37170698	37171044	63068	Intergenic	NM_001145240	scpp1	5.989270699	1.226539182	4.762731517	6.97E-14
peak_2625	chr23	33835437	33836322	-64050	Intergenic	NM_001004288	itga5	7.649256078	2.88687709	4.762378988	3.02E-16
peak_3559	chr6	52997990	52998432	2746	intron (NM_199788, intron 2 of 2)	NM_199788	fam212ab	6.25697653	1.494863396	4.762113134	1.94E-14
peak_3861	chr16	6249750	6250064	-19254	intron (NM_001080653, intron 8 of 10)	NM_200320	cog6	5.988578346	1.226539182	4.762039164	6.53E-14
peak_5498	chr21	6408794	6409046	-299284	Intergenic	NM_001003486	olfm1b	4.981268198	0.219835396	4.761432803	7.60E-12
peak_5499	chr7	41987455	41987762	-16202	exon (NM_200473, exon 21 of 25)	NM_200305	dnajb6b	4.981268198	0.219835396	4.761432803	7.60E-12
peak_9337	chr6	21479282	21479952	-86106	Intergenic	NM_001077380	lrrc8db	8.228689164	3.467548773	4.761140391	6.74E-09
peak_3447	chr14	3118010	3118328	13825	Intergenic	NR_045688		6.246573091	1.48548354	4.76108955	1.23E-14
peak_4524	chr17	33399510	33399783	-33067	intron (NM_001012313, intron 14 of 17)	NM_181438	pomca	6.124929572	1.364650599	4.760278973	5.72E-13
peak_5106	chr25	1489528	1489886	-160935	Intergenic	NM_001077455	ppm1h	5.245107656	0.48510786	4.759999796	2.97E-12
peak_6592	chr23	28253764	28254256	16255	Intergenic	NM_194371	sp5l	7.432439238	2.672862006	4.759577233	7.96E-11
peak_14224	chr9	17633246	17633720	169065	intron (NM_001012247, intron 50 of 81)	NM_001012247	mycbp2	7.798067371	3.038663522	4.759403849	1.00E-06
peak_5440	chr3	32960307	32960526	-4904	Intergenic	NM_131188	mylpfa	4.979178573	0.219835396	4.759343177	6.65E-12
peak_3253	chr24	28138051	28138417	-119	promoter-TSS (NM_131779)	NM_131779	vipr2	5.973221061	1.214007405	4.759213656	5.66E-15
peak_8744	chr19	14988022	14989577	-14526	Intergenic	NM_001135132	si:ch211-206a7.2	9.259432685	4.50024144	4.759191245	2.91E-09
peak_2864	chr16	582174	582579	-12242	Intergenic	NM_201057	irx2a	7.355408022	2.596676714	4.758731308	1.08E-15
peak_2984	chr13	6223964	6224316	18281	Intergenic	NM_001278825	angpt2a	6.234617963	1.475978232	4.75863973	1.90E-15
peak_3403	chr16	43187132	43187412	11865	intron (NM_001109715, intron 2 of 10)	NM_001109715	zgc:165534	5.966907889	1.208855805	4.758052084	1.06E-14

peak_4339	chr24	37896494	37896800	7121	TTS (NM_201480)	NM_201480	arf1l	6.211907425	1.453857079	4.758050347	3.09E-13
peak_14095	chr5	46887109	46887755	-53884	intron (NM_001044775, intron 29 of 33)	NM_001287096	adamts3	8.177085369	3.420336123	4.756749245	9.10E-07
peak_5582	chr19	11948245	11948527	10568	intron (NM_201161, intron 3 of 8)	NM_001020565	apoea	4.975689123	0.219835396	4.755853727	9.44E-12
peak_4351	chr23	21129452	21129780	-22361	Intergenic	NM_001146149	pax7b	5.633932718	0.87932337	4.754609348	3.20E-13
peak_6133	chr23	5928895	5929781	-96067	Intergenic	NM_205567	csrp1a	8.921579118	4.167469402	4.754109716	3.28E-11
peak_2679	chr13	51966697	51968242	-31743	Intergenic	NM_144764	gpib	9.648328065	4.894932853	4.753395212	3.87E-16
peak_17478	chr18	36597434	36598405	-30765	Intergenic	NM_201479	nucb2b	8.277227387	3.524634423	4.752592964	9.59E-06
peak_4553	chr12	41162329	41162794	811160	Intergenic	NM_001099246	abca5	6.689845077	1.937832289	4.752012788	6.23E-13
peak_6851	chr21	24007334	24007902	-194456	Intergenic	NM_001004630	sc5d	6.782638888	2.031824933	4.750813955	1.29E-10
peak_3371	chr19	29184466	29185002	25851	Intergenic	NR_105066		7.795886687	3.04522138	4.750665307	9.26E-15
peak_4690	chr19	25571573	25572507	-4644	Intergenic	NM_001006014	xkr8.3	8.740239568	3.989664781	4.750574786	9.09E-13
peak_5006	chr16	39892228	39892549	21743	intron (NM_001037432, intron 12 of 15)	NM_001037432	zgc:123285	5.234050946	0.48510786	4.748943086	2.27E-12
peak_3378	chr21	20508113	20508855	9016	Intergenic	NM_001002394	b9d2	7.834813541	3.086208767	4.748604774	9.44E-15
peak_3377	chr6	42697954	42698390	-53522	Intergenic	NM_001014822	sema3fa	8.207972092	3.459608553	4.748363539	9.38E-15
peak_3231	chr20	32219033	32219540	-31404	Intergenic	NM_001003769	cep57l1	6.861695105	2.114361168	4.747333937	5.06E-15
peak_5653	chr11	22135421	22135810	-35540	Intergenic	NM_001114928	zgc:172180	6.560870931	1.813729373	4.747141558	1.10E-11
peak_4065	chr20	49237586	49237955	-42530	Intergenic	NM_213427	mgst3	5.973221061	1.226539182	4.746681879	1.28E-13
peak_4043	chr12	32751478	32751807	38646	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	5.648495636	0.902938058	4.745557577	1.18E-13
peak_1392	chr18	22314980	22315475	-71696	Intergenic	NM_001135133	bcar1	7.605574225	2.860207412	4.745366813	3.49E-20
peak_3942	chr5	26650815	26651154	55405	intron (NM_001008576, intron 3 of 3)	NM_001123269	abo	5.97076922	1.226539182	4.744230038	8.29E-14
peak_2755	chr25	19682692	19682998	-8479	TTS (NM_001080990)	NM_213101	hapln3	6.597737542	1.853833515	4.743904027	5.88E-16
peak_9415	chr7	60073171	60073915	-8320	Intergenic	NM_199930	larp7	7.111441042	2.367686229	4.743754813	7.52E-09
peak_4393	chr4	19744621	19744978	-3888	Intergenic	NM_001045143	nav3	6.196665911	1.453857079	4.742808833	3.75E-13
peak_8592	chr7	28081906	28082393	-41944	Intergenic	NM_001003484	caprin1a	7.643549834	2.900867904	4.74268193	2.34E-09
peak_4331	chr16	50613483	50613789	23685	intron (NM_001256029, intron 10 of 13)	NM_001256029	hm:zeh0351	5.645424228	0.902938058	4.742486169	3.01E-13
peak_7455	chr6	48136194	48136547	40827	exon (NM_201202, exon 14 of 15)	NM_201202	phc2b	6.850856806	2.10908919	4.741767616	4.01E-10
peak_5545	chr20	41842150	41842444	115928	Intergenic	NM_001201561	LOC555548	4.960193277	0.219835396	4.740357881	8.63E-12
peak_10779	chr12	9493291	9494146	-83222	Intergenic	NM_200161	reep3b	8.561463189	3.821441229	4.74002196	3.77E-08
peak_6253	chr11	13468810	13469526	75752	Intergenic	NM_001024429	atp5b	6.646741346	1.907116997	4.739624349	4.20E-11
peak_1590	chr10	1224187	1224777	-33426	intron (NM_001009895, intron 3 of 6)	NM_001145996	bmpr1bb	7.554913514	2.81590301	4.739010504	2.41E-19
peak_9802	chr1	4931952	4932399	-66673	Intergenic	NM_001145693	abcb6a	7.17075336	2.431948405	4.738804954	1.25E-08
peak_5984	chr4	24561344	24561712	11009	3' UTR (NM_213397, exon 17 of 17)	NM_213397	pfkfb3	6.602057323	1.863651775	4.738405547	2.25E-11
peak_3786	chr6	33729241	33729864	-7156	Intergenic	NM_001114441	ap1m3	9.178989807	4.441226824	4.737762982	4.78E-14
peak_6414	chr15	22706782	22707328	-10786	Intergenic	NM_001012367	mcamb	7.977091006	3.23935422	4.737736786	5.73E-11
peak_11198	chr7	36023815	36024627	-50984	Intergenic	NM_001113472	slc9a5	7.346766076	2.609160782	4.737605294	5.99E-08
peak_14421	chr14	10667072	10667815	7548	Intergenic	NM_001020648	cysltr1	7.774398801	3.038663522	4.735735278	1.18E-06
peak_5993	chr11	19223605	19223879	15601	exon (NM_001114429, exon 16 of 17)	NM_001114429	zgc:175264	4.955240826	0.219835396	4.73540543	2.28E-11
peak_1843	chr13	22461620	22461972	4368	intron (NM_001201566, intron 1 of 19)	NM_001201566	usp54a	7.070538582	2.336378063	4.734160519	1.78E-18
peak_6201	chr20	18650169	18650415	-2074	Intergenic	NM_001082935	si:dkeyp-72h1.1	4.953822712	0.219835396	4.733987316	3.74E-11
peak_5579	chr8	8869001	8869485	25243	Intergenic	NM_173284	tsr2	7.373591422	2.641194361	4.732397061	9.39E-12
peak_5325	chr20	28746208	28746711	47506	intron (NM_001281792, intron 1 of 20)	NM_001281792	sipa1l1	7.196833264	2.465661083	4.731172182	5.01E-12
peak_3259	chr13	33875337	33876013	3684	intron (NM_214769, intron 5 of 12)	NM_214769	snx5	8.028704976	3.298074577	4.730630398	5.79E-15
peak_3805	chr7	31380972	31381378	-6821	Intergenic	NM_001037579	pstpip1b	6.947927045	2.217376759	4.730550286	5.06E-14
peak_4337	chr7	34729689	34730059	-28703	Intergenic	NM_212849	glceb	5.956990863	1.226539182	4.730451681	3.08E-13
peak_3235	chr9	53961661	53962090	-13694	intron (NM_001127466, intron 10 of 18)	NM_131573	dap1b	6.916358234	2.186195928	4.730162306	5.15E-15
peak_4370	chr18	23105159	23105436	130716	intron (NM_131301, intron 6 of 9)	NM_131301	mef2aa	5.421036764	0.691124799	4.729911965	3.47E-13
peak_8094	chr4	4514122	4514812	-106567	Intergenic	NM_001130792	zgc:194209	7.584261902	2.85472696	4.729534942	1.13E-09
peak_2957	chr13	53109600	53110585	121994	Intergenic	NM_001135784	nkx6.2	9.460548168	4.732403392	4.728144777	1.69E-15
peak_10052	chr24	39251840	39252818	25953	intron (NM_001030270, intron 3 of 11)	NM_001030270	rab11fip3	10.02169032	5.294049583	4.727640736	1.64E-08
peak_6450	chr14	9889468	9889839	-95962	Intergenic	NM_213447	tmem129	6.676340685	1.950187435	4.72615325	6.11E-11
peak_3632	chr11	46281789	46282183	-8954	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	6.531408268	1.805399871	4.726008397	2.61E-14
peak_7735	chr14	30696901	30697519	-27572	Intergenic	NM_001042718	pdlim3b	9.078430608	4.352434577	4.72599603	6.38E-10
peak_7339	chr22	24847944	24848642	106867	intron (NM_001003617, intron 8 of 9)	NM_001003617	nek7	7.564024894	2.838157119	4.725867775	3.25E-10
peak_4840	chr21	12135760	12136023	72145	Intergenic	NM_001025182	stxbp1a	5.210423655	0.48510786	4.725315795	1.44E-12
peak_7836	chr18	44800575	44801023	9848	intron (NM_001044352, intron 11 of 11)	NM_001044352	daw1	6.880893618	2.155703238	4.72519038	7.36E-10
peak_5346	chr23	17487429	17487909	-38094	intron (NM_001080652, intron 2 of 7)	NM_001136250	zgc:194282	7.40279577	2.677990503	4.724805266	5.25E-12
peak_4167	chr25	19021794	19022108	-21945	Intergenic	NM_001002150	cav2	6.089435934	1.364650599	4.724785336	1.78E-13
peak_4797	chr6	20125589	20126008	47301	Intergenic	NM_001002216	gadd45ab	6.330571111	1.606593419	4.723977692	1.25E-12
peak_5521	chr17	15415565	15416067	-27726	Intergenic	NM_001083827	col10a1a	7.346766076	2.623995374	4.722770702	8.01E-12
peak_2226	chr7	35041473	35041882	-23404	Intergenic	NM_131780	gro1	6.610433279	1.888243585	4.722189693	2.57E-17
peak_4402	chr13	30791637	30791903	-4030	3' UTR (NM_001113339, exon 22 of 22)	NM_001004626	ppifa	6.086184638	1.364650599	4.721534039	3.92E-13
peak_3288	chr16	28432011	28432421	50979	intron (NM_001044848, intron 5 of 20)	NM_001044848	arhgef1b	6.858466682	2.137124189	4.721342493	6.49E-15
peak_5743	chr18	49639954	49640247	-1898	Intergenic	NM_001001729	rap2b	4.940238868	0.219835396	4.720403472	1.32E-11
peak_8333	chr2	17342608	17343281	-128754	Intergenic	NM_214785	st3gal3b	4.939480774	0.219835396	4.719645379	1.66E-09
peak_1764	chr3	19812798	19813354	11519	intron (NM_001007051, intron 1 of 5)	NM_001007051	vat1	7.46136111	2.741796101	4.719565009	9.29E-19
peak_12515	chr17	44880730	44881338	-119162	Intergenic	NM_001159836	LOC100000800	7.485903181	2.766967388	4.718935793	2.23E-07
peak_285	chr5	61260819	61262500	9816	intron (NM_001127307, intron 2 of 8)	NM_001127307	dtx2	10.6556718	5.936762148	4.71890965	1.23E-30
peak_6123	chr9	22430148	22430480	-4225	intron (NM_001045341, intron 5 of 7)	NM_212825	cx30.3	5.203842074	0.48510786	4.718734214	3.21E-11
peak_7331	chr14	41145205	41145888	549088	Intergenic	NM_001127519	pcdh19	7.840602433	3.122273372	4.718329061	3.23E-10
peak_5954	chr10	15736739	15737117	-63414	Intergenic	NM_001193541	smc5	4.938088916	0.219835396	4.71825352	2.11E-11
peak_12971	chr3	59655121	59655936	7147	intron (NM_001285388, intron 3 of 15)	NM_001285388	si:ch73-281f12.4	9.011432394	4.293333098	4.718099296	3.41E-07
peak_3237	chr13	13997665	13998312	130652	intron (NM_001145615, intron 25 of 27)	NM_001145615	atrn	8.268740239	3.55103099	4.717709249	5.20E-15
peak_6072	chr5	29513746	29514541	-1937	Intergenic	NM_001013472	zgc:110340	9.060671722	4.343926642	4.71674508	2.83E-11
peak_4204	chr3	56109196	56109581	-99786	Intergenic	NM_001080635	ldlrap1b	6.08099759	1.364650599	4.716346991	2.01E-13
peak_4118	chr5	65825377	65825860	36141	exon (NM_001083540, exon 5 of 6)	NM_001039813	adora2b	8.06058457	3.344407862	4.716176708	1.50E-13
peak_2572	chr14	17585399	17586377	-109026	Intergenic	NM_001044746	cnga5	9.581793293	4.865688706	4.716104587	2.15E-16
peak_7306	chr19	22658800	22659315	-42018	intron (NM_001045154, intron 27 of 27)	NM_001045159	nfatc1	7.671483294	2.955863529	4.715619765	3.09E-10
peak_3797	chr20	29886741	29887198	3329	intron (NM_001002727, intron 1 of 7)	NM_001002727	rnf144ab	6.495452407	1.780118871	4.715333536	4.92E-14
peak_8843	chr20	39707596	39708625	-3171	Intergenic	NM_001045231	hddc2	9.295297301	4.580096937	4.715200363	3.39E-09
peak_2913	chr21	11939339	11939927	13842	intron (NM_001128783, intron 1 of 8)	NM_001128783	npdc1a	7.965315006	3.250320893	4.714994113	1.35E-15
peak_2583	chr3	60679702	60680466	95870	Intergenic	NM_001130778_1	zgc:194562	8.492043988	3.778338357	4.713705631	2.30E-16
peak_5213	chr3	19859770	19860310	8020	Intergenic	NM_001005315	si:busm1-163l24.	7.638457372	2.925111967	4.713345405	3.88E-12
peak_4389	chr11	25420899	25421225	-28725	Intergenic	NM_001080582	mxra8a	6.077401652	1.364650599	4.712751053	3.71E-13
peak_4991	chr9	26161000	26161782	53564	Intergenic	NM_001017796	esd	7.542674798	2.830869345	4.711805453	2.19E-12
peak_4176	chr9	26235514	26235744	-20674	Intergenic	NM_001017796	esd	5.614715268	0.902938058	4.711777209	1.83E-13
peak_1239	chr23	39135606	39136295	89882	Intergenic	NM_001080609	sall4	9.200761695	4.489531348	4.711230347	7.46E-21
peak_7583	chr3	46498657	46499113	16147	Intergenic	NM_001115104	si:ch211-66e2.3	6.788418437	2.077505579	4.710912858	5.00E-10
peak_2937	chr16	14292494	14292931	20397	exon (NM_001289880, exon 7 of 15)	NM_001289880	rasip1	6.527810842	1.817068191	4.710742651	1.55E-15
peak_5349	chr14	14727179	14727893	69610	intron (NM_001114729, intron 8 of 25)	NM_001258226	dicp2.1	8.106794851	3.396847228	4.709947623	5.26E-12
peak_5015	chr10	8688292	8688745	-30997	Intergenic	NM_001030197	aplnrb	7.886681278	3.177019741	4.709661537	2.32E-12
peak_4353	chr5	34370467	34370798	-38511	Intergenic	NM_199754	ier5l	5.612470073	0.902938058	4.709532014	3.23E-13
peak_5500	chr18	46980406	46980990	-11671	Intergenic	NM_131348	fli1a	7.306402622	2.597147431	4.709255192	7.60E-12
peak_6641	chr23	23236081	23236553	237242	Intergenic	NM_001003830	noc2l	7.465354945	2.756203433	4.709151512	8.87E-11
peak_6308	chr3	46562711	46563403	-34709	Intergenic	NM_001020667	raver1	7.641336253	2.932266403	4.70906985	4.61E-11
peak_5943	chr22	16266215	16266477	22449	Intergenic	NM_001007386	dph5	4.928693146	0.219835396	4.70885775	2.06E-11
peak_2142	chr17	48632654	48633041	124034	Intergenic	NM_001201393_1	smoc1	6.862640026	2.154395379	4.708244647	1.51E-17
peak_5876	chr1	1199353	1199891	-75726	Intergenic	NR_039328		4.927971095	0.219835396	4.708135699	1.79E-11
peak_2816	chr20	14715835	14716143	-9699	intron (NM_200403, intron 3 of 3)	NM_213261	pigc	6.498630944	1.792814747	4.705816198	8.25E-16
peak_3516	chr7	17145055	17145355	30991	intron (NM_001017735, intron 2 of 6)	NM_001017735	mpped2a	5.913432374	1.208855805	4.704576569	1.62E-14
peak_9378	chr20	1482651	1483165	47241	Intergenic	NM_001100056	LOC796447	7.279002129	2.575058095	4.703944034	7.15E-09
peak_3157	chr7	14302259	14302639	-16283	Intergenic	NM_212923	arih1l	6.980049618	2.276521541	4.703528077	3.67E-15
peak_3857	chr24	27430153	27430486	-1521	Intergenic	NM_001037676	tnikb	6.249193638	1.545693443	4.703500195	6.34E-14
peak_5786	chr23	28208537	28208822	61586	Intergenic	NM_194371	sp5l	4.922906591	0.219835396	4.703071195	1.45E-11
peak_4158	chr7	30584764	30585040	43812	intron (NM_001007405, intron 3 of 5)	NM_001123064	dapk2	5.776222767	1.07379276	4.702430008	1.69E-13
peak_3655	chr3	43519301	43519757	-6142	Intergenic	NM_201585	micall2a	6.481973078	1.780118871	4.701854207	2.84E-14

peak_3062	chr1	54709746	54710322	129806	Intergenic	NM_130954	dla	6.90958649	2.207928134	4.701658356	2.61E-15
peak_13413	chr8	55664901	55667205	875	3' UTR (NM_131212_1, exon 2 of 4)	NM_131212_1	exorh	8.748312711	4.046904751	4.70140796	5.15E-07
peak_2581	chr24	10764584	10765076	-44455	Intergenic	NR_105068		8.695861086	3.994651668	4.701209417	2.27E-16
peak_5942	chr13	13863624	13863913	-3568	Intergenic	NM_001145615	atrn	4.920730635	0.219835396	4.700895239	2.06E-11
peak_11843	chr10	15249822	15250357	-33497	Intergenic	NM_200923	vldlr	8.558430462	3.858268474	4.700161987	1.14E-07
peak_5010	chr11	30520600	30520858	13981	Intergenic	NM_001037677	rpl22	5.399812076	0.70013877	4.699673306	2.28E-12
peak_8638	chr2	1075314	1075785	7179	intron (NM_001017742, intron 4 of 6)	NM_001017742	dusp22b	7.367597506	2.668836639	4.698760867	2.47E-09
peak_4516	chr6	47476587	47476952	67853	Intergenic	NR_030036		6.152443593	1.453857079	4.698586515	5.59E-13
peak_3533	chr18	11794321	11794647	-18482	Intergenic	NM_198372	fam107b	6.403437654	1.704947384	4.69849027	1.79E-14
peak_5110	chr4	8989482	8989911	15926	intron (NM_001045158, intron 1 of 39)	NM_001045158	sbf1	6.417425189	1.719076102	4.698349086	3.00E-12
peak_3901	chr12	28905587	28906330	91733	Intergenic	NM_199644	arl4d	7.23257273	2.534895485	4.697677245	7.28E-14
peak_3643	chr13	39463723	39464388	93115	Intergenic	NM_001077317	zgc:153049	8.391879619	3.694996831	4.696882788	2.69E-14
peak_18047	chr18	6736638	6737129	-35642	Intergenic	NM_001114931	cers3b	4.9156831	0.219835396	4.695847704	1.40E-05
peak_2441	chr21	17035900	17036339	148863	Intergenic	NM_001123389	brd3a	7.026598677	2.330967772	4.695630906	1.11E-16
peak_4542	chr23	15197613	15197881	-49944	Intergenic	NM_001004114	phf20b	5.598418383	0.902938058	4.695480325	6.03E-13
peak_2064	chr5	67059845	67060801	123253	Intergenic	NM_001256818	dnm1b	9.670023511	4.974873038	4.695150473	9.38E-18
peak_11930	chr21	28471677	28472156	22585	Intergenic	NM_001122617	timd4	8.607160335	3.912633736	4.694526599	1.26E-07
peak_11907	chr14	7023120	7024122	8323	Intergenic	NM_001111226	hbegfa	8.63014498	3.936667419	4.693477561	1.23E-07
peak_3690	chr3	41434307	41434653	-207939	Intergenic	NM_001013277	gna12a	6.178835862	1.48548354	4.693352322	3.20E-14
peak_4910	chr16	39473952	39474334	-34064	Intergenic	NM_200078	cited4b	6.59638815	1.903219283	4.693168867	1.76E-12
peak_3968	chr16	19710678	19711066	10786	exon (NM_001012490, exon 7 of 9)	NM_001012490	ccdc106a	6.617628808	1.924950012	4.692678796	9.50E-14
peak_4283	chr22	10557774	10558167	6816	intron (NM_001003555, intron 5 of 8)	NM_001003555	cenpp	6.057034331	1.364650599	4.692383732	2.59E-13
peak_6858	chr19	11797252	11797726	7976	intron (NM_205759, intron 1 of 6)	NM_205759	eepd1	7.345963334	2.654458308	4.691505026	1.30E-10
peak_4779	chr8	55162441	55163322	-1148	Intergenic	NM_001256222	LOC553228	8.892524845	4.201204358	4.691320488	1.20E-12
peak_4804	chr16	29319800	29320296	132265	Intergenic	NM_001104936	alg2	7.069556837	2.378922404	4.690634433	1.27E-12
peak_6004	chr11	28381761	28382085	-1763	Intergenic	NR_029976		5.885024384	1.19500324	4.690021144	2.37E-11
peak_3665	chr13	36743984	36744350	-23302	intron (NM_001168286, intron 8 of 21)	NM_001017594	cox16	6.780840517	2.091233224	4.689607293	2.96E-14
peak_3639	chr7	29988703	29989300	-11195	Intergenic	NM_001020474	slc7a6	8.397777503	3.710110365	4.687667138	2.66E-14
peak_2029	chr24	32772209	32772812	180899	Intergenic	NM_001002229	snx7	8.63147935	3.944171338	4.687308012	7.74E-18
peak_7200	chr13	4249245	4249811	69383	intron (NM_201102, intron 10 of 22)	NM_001007059	c1d	7.9637255	3.276630081	4.687095419	2.54E-10
peak_4285	chr12	16052207	16052611	24273	exon (NM_001003453, exon 4 of 8)	NM_001003453	adprh	6.145591478	1.459176537	4.686414941	2.60E-13
peak_3813	chr4	5766797	5767277	45559	Intergenic	NM_001159823	lyrm5a	6.992392259	2.306270691	4.686121568	5.26E-14
peak_4683	chr6	48282836	48283135	5007	intron (NM_212697, intron 1 of 8)	NM_212697	capza1a	5.564386956	0.87932337	4.685063587	8.93E-13
peak_4067	chr3	53059167	53059733	-107178	Intergenic	NM_001166291	ptger1c	7.263590138	2.580158886	4.683431252	1.28E-13
peak_6737	chr14	7207264	7207966	39402	Intergenic	NM_001013291	trpt1	7.847514126	3.164366057	4.683148068	1.07E-10
peak_2468	chr25	11578334	11579369	-185395	Intergenic	NM_001265607	mespbb	8.381012145	3.69884156	4.682170586	1.24E-16
peak_3631	chr19	11833935	11834292	-28648	intron (NM_201161, intron 5 of 8)	NM_205759	eepd1	5.924717384	1.242675602	4.682041782	2.60E-14
peak_5660	chr20	26454254	26455136	-4149	intron (NM_001281788, intron 2 of 3)	NM_001098184	akap12b	9.170870024	4.4895021	4.681367925	1.12E-11
peak_1377	chr17	30199739	30200414	-64292	Intergenic	NM_001142264	spata17	8.546744033	3.865973213	4.68077082	3.13E-20
peak_3304	chr6	23242833	23243199	-24451	Intergenic	NM_201578	psmd12	6.272735044	1.592139519	4.680595526	6.88E-15
peak_8526	chr20	47863464	47864184	18240	exon (NM_213325, exon 11 of 11)	NM_200967	efhc1	7.665539629	2.985771725	4.679767903	2.18E-09
peak_4222	chr22	1836937	1837214	-66100	intron (NM_001013285, intron 1 of 4)	NM_001012491	zgc:113418	5.725063136	1.045780477	4.679282659	2.14E-13
peak_8381	chr7	57007425	57007960	110946	Intergenic	NM_001003506	trappc2l	8.907525022	4.228614235	4.678910787	1.79E-09
peak_7769	chr8	52973036	52973428	-19454	Intergenic	NM_001002647	egr3	6.786439723	2.10908919	4.677350533	6.66E-10
peak_11216	chr5	22623315	22624110	16975	intron (NM_001002651, intron 3 of 15)	NM_001002651	limk2	7.488361213	2.812283459	4.676077754	6.08E-08
peak_3325	chr12	37504907	37505311	45706	intron (NM_131724, intron 11 of 12)	NM_131724	map2k6	6.563430297	1.88752226	4.675908037	7.65E-15
peak_3076	chr15	27613552	27614229	-2374	Intergenic	NM_200976	prpf8	7.976552092	3.300651401	4.675900692	2.75E-15
peak_1279	chr24	26682366	26682961	-97220	Intergenic	NM_200440	klhl24b	9.064377311	4.388860518	4.675516794	1.11E-20
peak_7016	chr17	26976465	26977002	-27343	Intergenic	NM_001077775	rps6ka1	6.669204181	1.994825282	4.674378899	1.74E-10
peak_2004	chr5	46432711	46433320	8058	intron (NM_001004008, intron 6 of 6)	NM_212584	ctsla	8.607899673	3.934784743	4.67311493	6.69E-18
peak_5216	chr2	28065364	28065702	2881	exon (NM_001089570, exon 3 of 15)	NM_001089570	zgc:163121	6.278727238	1.606593419	4.672133819	3.89E-12
peak_5880	chr8	24241579	24241973	1409	TTS (NM_199864)	NR_104072		6.484185078	1.813729373	4.670455705	1.80E-11
peak_10749	chr3	46408855	46409506	8833	Intergenic	NM_001017690	snrnp25	7.163861377	2.493469792	4.670391585	3.66E-08
peak_4371	chr16	19176554	19176827	-42550	Intergenic	NM_213190	tnfrsf1a	5.744105326	1.07379276	4.670312566	3.47E-13
peak_11601	chr4	18435890	18436612	192213	intron (NM_182865, intron 16 of 23)	NM_182865	snd1	7.483925138	2.813878962	4.670046177	9.07E-08
peak_7285	chr23	33591768	33592600	-17088	Intergenic	NM_001002424	slc48a1a	7.809313745	3.139347098	4.669966647	3.00E-10
peak_2592	chr21	14908059	14908455	-485789	Intergenic	NM_131840	tnfrsfa	6.663653795	1.994110599	4.669453196	2.50E-16
peak_5187	chr1	28622833	28623308	13460	intron (NM_001128244, intron 1 of 15)	NM_001128244	si:dkey-1h24.3	8.473749784	3.804663648	4.669086136	3.68E-12
peak_4334	chr5	65899180	65899495	-37578	Intergenic	NM_001039813	adora2b	5.713353283	1.045780477	4.667572806	3.04E-13
peak_5091	chr17	21068988	21069441	16105	intron (NM_001045435, intron 6 of 8)	NM_001045435	hspa12a	7.809013942	3.142200733	4.666813209	2.86E-12
peak_4216	chr5	44522495	44522841	79	promoter-TSS (NM_001115055)	NM_001115055	cxcl-c5c	6.091371914	1.424574834	4.66679708	2.11E-13
peak_5218	chr12	12419637	12420754	-7381	Intergenic	NM_001199907	get4	8.748974211	4.083375038	4.665599174	3.90E-12
peak_5097	chr23	23189501	23189953	239040	Intergenic	NM_212722	eno1a	7.506653579	2.841092306	4.665561274	2.90E-12
peak_11342	chr23	23214086	23215011	259011	Intergenic	NM_001003830	noc2l	7.216079763	2.552474647	4.663605116	6.94E-08
peak_7549	chr8	14159129	14159685	-1434	Intergenic	NM_001110110	b3gnt3	6.741013548	2.077505579	4.663507969	4.81E-10
peak_10171	chr22	15417873	15419540	7515	intron (NM_001007788, intron 1 of 7)	NM_001007788	mfng	9.392599434	4.729692844	4.66290659	1.88E-08
peak_3784	chr13	12816064	12816334	83799	exon (NM_001145584, exon 68 of 84)	NM_001082551	whsc1	5.871503119	1.208855805	4.662647314	4.73E-14
peak_4066	chr16	28472358	28472656	10688	intron (NM_001044848, intron 1 of 20)	NM_001044848	arhgef1b	5.716283569	1.054120914	4.662162656	1.28E-13
peak_11264	chr8	4866190	4866669	36570	intron (NM_200459, intron 7 of 8)	NM_200459	zgc:63587	7.634147621	2.972087301	4.662060319	6.40E-08
peak_8212	chr9	45835894	45836280	46499	intron (NM_001137665, intron 14 of 29)	NM_001137665	nckap1	6.816847153	2.155703238	4.661143915	1.36E-09
peak_6573	chr9	21563641	21563949	-23728	Intergenic	NM_001256622	wu:fj20e02	4.880158125	0.219835396	4.66032273	7.70E-11
peak_11302	chr13	7847475	7847914	-37939	Intergenic	NM_001039806	epas1b	7.216818936	2.558018336	4.658800601	6.67E-08
peak_8387	chr16	44777085	44778063	-3633	TTS (NM_001037375)	NM_131505	caspa	8.12309859	3.464762281	4.65833631	1.81E-09
peak_3362	chr23	33135996	33136608	-367642	Intergenic	NR_029935		8.104484773	3.446521851	4.657962922	8.92E-15
peak_5944	chr12	21972927	21973433	-4540	Intergenic	NM_001044316	snx11	6.471328658	1.813729373	4.657599285	2.06E-11
peak_4426	chr8	37384563	37384972	-9274	Intergenic	NM_200957	slc15a4	6.438945476	1.781672572	4.657272903	4.29E-13
peak_9864	chr25	33915846	33916275	23059	intron (NM_001102629, intron 3 of 7)	NM_001102629	zgc:171719	7.635143322	2.978199601	4.656943721	1.35E-08
peak_6908	chr10	5706327	5706951	-121750	Intergenic	NM_212843	syk	4.876376775	0.219835396	4.65654138	1.43E-10
peak_3619	chr20	35161078	35161358	50017	intron (NM_001045094, intron 2 of 36)	NM_001045094	si:ch211-89p3.3	6.035705242	1.379321355	4.656383887	2.47E-14
peak_5997	chr22	21084736	21085462	-3145	Intergenic	NM_001007779	amh	6.470089187	1.813729373	4.656359813	2.32E-11
peak_4011	chr1	19978218	19978531	91654	Intergenic	NM_001102391	npy1r	5.708711963	1.052834703	4.65587726	1.08E-13
peak_7576	chr23	4201595	4201974	74837	intron (NM_181498_1, intron 2 of 5)	NM_001002221	aar2	4.875671743	0.219835396	4.655836347	4.94E-10
peak_4316	chr15	15990883	15991230	52738	intron (NM_001166205, intron 7 of 29)	NM_001166205	hip1	5.728384513	1.07379276	4.654591753	2.86E-13
peak_4276	chr5	53426179	53426532	-24527	intron (NM_001128233, intron 20 of 26)	NM_200697	ckmt2b	5.727139892	1.07379276	4.653347133	2.54E-13
peak_12770	chr2	10324329	10324860	-82497	Intergenic	NM_213090	scinlb	8.199369884	3.546329778	4.653040106	2.82E-07
peak_9427	chr10	4297375	4298204	36188	Intergenic	NR_029954		8.039391865	3.386380701	4.653011164	7.62E-09
peak_9911	chr22	17015376	17015974	34688	Intergenic	NM_001099263	tm2d1	8.503742059	3.852512166	4.651229893	1.42E-08
peak_7600	chr22	18979518	18979982	-9155	Intergenic	NM_207052	midn	6.971645356	2.320455322	4.651190034	5.10E-10
peak_10709	chr16	15290611	15291246	73143	Intergenic	NM_001197062	dbpb	8.273959626	3.622896157	4.651063469	3.51E-08
peak_6051	chr25	14060368	14060672	-13793	Intergenic	NM_001045420	fa2h	4.868119378	0.219835396	4.648283982	2.69E-11
peak_12532	chr8	20629731	20630170	46122	exon (NM_001013278, exon 9 of 18)	NM_001013278	rfx2	7.363723772	2.716259194	4.647464577	2.25E-07
peak_5884	chr13	15729994	15730359	17394	exon (NM_001034183, exon 3 of 6)	NM_001034183	bag5	6.493257629	1.846475529	4.646782099	1.84E-11
peak_3713	chr2	22583326	22583639	44590	Intergenic	NM_001044972	mfsd12a	6.389575433	1.74299605	4.646579383	3.48E-14
peak_4559	chr20	27598532	27598986	-143562	Intergenic	NM_214797	zbtb1	7.098957656	2.452845828	4.646111828	6.36E-13
peak_10743	chr20	33266332	33267190	52690	Intergenic	NM_001197324	ddx1	8.451952199	3.805867677	4.646084522	3.62E-08
peak_9607	chr9	17817228	17817867	-4884	Intergenic	NM_001005304	scel	8.03208337	3.38600571	4.64607766	9.67E-09
peak_5489	chr4	47465164	47465506	317655	Intergenic	NM_001115109	zgc:175008	6.359839609	1.713875669	4.64596394	7.51E-12
peak_5958	chr9	9824437	9825043	67916	intron (NM_131381, intron 3 of 11)	NM_131381	gsk3b	9.367707057	4.722205191	4.645501866	2.13E-11
peak_3589	chr3	255314	255807	-101165	Intergenic	NM_001166333	ptger1b	7.874245016	3.229493511	4.644751505	2.13E-14
peak_3395	chr4	1618051	1618372	1669	exon (NM_213423, exon 4 of 4)	NM_213423	med21	6.118578189	1.475018232	4.643559957	1.02E-14
peak_4826	chr18	37599269	37599696	24065	Intergenic	NM_001045552	mapk6	7.676663095	3.033264452	4.643398643	1.37E-12
peak_12787	chr8	18187822	18188460	103014	intron (NM_001030091, intron 4 of 17)	NM_001030091	prkcz	8.334811148	3.692478696	4.642332452	2.87E-07
peak_4134	chr17	34116942	34117347	40148	Intergenic	NM_001003855	fut8a	6.201787562	1.559712523	4.642075038	1.59E-13
peak_5021	chr17	53667990	53668948	-18769	Intergenic	NM_001013290	dph6	8.93605733	4.294137653	4.641919676	2.37E-12
peak_4965	chr14	355151	355811	35757	Intergenic	NM_001017768	cops6	8.524716913	3.883821853	4.640895059	2.00E-12

peak_5088	chr11	23953547	23953873	61629	intron (NM_001077467, intron 2 of 5)	NM_001077467	atp2b4	6.247441508	1.606593419	4.640848089	2.82E-12
peak_7934	chr23	8730567	8731068	-55294	Intergenic	NM_001130639	rgs19	7.667913727	3.028052015	4.639861712	8.65E-10
peak_3200	chr25	17447798	17448220	-103954	Intergenic	NM_001089445	ccnd2a	6.231402722	1.592139519	4.639263204	4.40E-15
peak_2163	chr16	21083726	21084148	97034	Intergenic	NM_001098779	rapgef5b	7.051897253	2.412687601	4.639209652	1.80E-17
peak_17724	chr23	32419175	32420008	-23169	Intergenic	NM_001002173	nr4a1	8.0706926	3.433397841	4.637294758	1.15E-05
peak_2206	chr24	34196304	34196754	313370	Intergenic	NM_001130617	zgc:194780	7.35915459	2.722449945	4.636704645	2.36E-17
peak_13672	chr20	13170758	13171296	114839	Intergenic	NM_173241	dtl	8.638518979	4.002181742	4.636337237	6.41E-07
peak_4369	chr6	534484	534948	-24685	Intergenic	NM_200678	grap2b	6.058684454	1.424574834	4.63410962	3.47E-13
peak_4566	chr21	12053842	12054193	4740	intron (NM_001080586, intron 1 of 13)	NM_001080586	fam129ba	5.998605159	1.364650599	4.63395456	6.45E-13
peak_2571	chr14	19774120	19775037	82063	exon (NM_130945, exon 11 of 30)	NM_130945	flt4	8.064299967	3.430890583	4.633409384	2.15E-16
peak_4772	chr16	46977088	46977461	3096	intron (NM_001039635, intron 1 of 7)	NM_001039635	zfpm2a	6.123335146	1.490687863	4.632647283	1.17E-12
peak_4520	chr20	32255739	32256097	-7368	Intergenic	NM_001002660	sesn1	5.997229056	1.364650599	4.632578457	5.62E-13
peak_6231	chr13	18871481	18872216	12403	intron (NM_001145606, intron 2 of 4)	NM_001145606	lzts2a	6.199994311	1.567723154	4.632271157	3.97E-11
peak_3342	chr17	42535261	42535706	132500	Intergenic	NM_200127	mocs3	7.374394401	2.742309518	4.632084883	8.14E-15
peak_3139	chr24	26558552	26558912	26711	3' UTR (NM_200440, exon 6 of 7)	NM_200440	klhl24b	6.427962685	1.797021998	4.630940687	3.45E-15
peak_2715	chr8	42641620	42642116	16535	Intergenic	NM_131329	myl7	7.34053961	2.709960049	4.630579561	4.84E-16
peak_3477	chr17	41885179	41885837	-222388	Intergenic	NM_001098390	zgc:162576	8.05587812	3.425512742	4.630365378	1.37E-14
peak_4594	chr10	1230174	1230962	38444	intron (NM_001009895, intron 2 of 6)	NM_001009895	pdlim5b	8.743429618	4.113073056	4.630356562	6.91E-13
peak_6212	chr10	45563559	45564007	-9672	Intergenic	NM_001018125_1	cryba4	7.194274661	2.564755524	4.629519137	3.82E-11
peak_4432	chr22	42018771	42019042	-4440	Intergenic	NM_001082868	arhgef3	5.674176886	1.045780477	4.628396409	4.34E-13
peak_8275	chr15	36297093	36297523	9139	exon (NM_001017888, exon 8 of 10)	NM_001017888	lin37	7.349203089	2.721208955	4.627994134	1.53E-09
peak_4935	chr10	1251371	1251700	17477	intron (NM_001009895, intron 1 of 6)	NM_001009895	pdlim5b	5.957344745	1.330227956	4.627116788	1.86E-12
peak_11628	chr10	4798776	4799409	77528	intron (NM_001204256, intron 3 of 6)	NM_001204256	palm2	8.220881932	3.59406792	4.626814012	9.28E-08
peak_4874	chr6	7263160	7263494	23808	intron (NM_001007038, intron 5 of 29)	NM_001007038	abcc4	6.117311941	1.490687863	4.626624078	1.61E-12
peak_6314	chr16	40213138	40213503	-299189	Intergenic	NM_001037432	zgc:123285	4.84531137	0.219835396	4.625475975	4.66E-11
peak_4190	chr7	59452694	59453185	28475	Intergenic	NM_213322	ggh	6.313761648	1.688580643	4.625181005	1.92E-13
peak_3750	chr6	30245292	30245644	61971	intron (NM_001110470, intron 5 of 22)	NM_001110470	wwc3	5.776623881	1.152146449	4.624477432	4.11E-14
peak_6398	chr25	13857978	13858443	20116	intron (NM_200870, intron 1 of 4)	NM_200870	znrf1	6.438155454	1.813729373	4.624426081	5.51E-11
peak_258	chr9	54801643	54802760	-56481	Intergenic	NM_001288817	trpm2	10.18823406	5.564399123	4.623834941	2.90E-31
peak_8532	chr10	1885990	1886773	8084	intron (NM_001143840, intron 1 of 15)	NM_001143840	apc	8.58884725	3.965251773	4.623595477	2.19E-09
peak_3541	chr10	28708899	28709284	1706	exon (NM_001020542, exon 2 of 25)	NM_001020542	ints2	6.313224905	1.690202508	4.623022397	1.82E-14
peak_4695	chr2	34089783	34090498	-234138	Intergenic	NM_001003878	cenpl	7.962663142	3.340295051	4.62236809	9.20E-13
peak_8002	chr4	24249976	24250497	5239	intron (NM_001042744, intron 2 of 6)	NM_001042744	taf3	7.966639112	3.344981242	4.621657871	9.59E-10
peak_3318	chr20	24964165	24964552	28287	intron (NM_001044979, intron 4 of 17)	NM_001044979	epha7	7.035192678	2.413887357	4.621305321	7.28E-15
peak_2979	chr9	26170653	26171465	43896	Intergenic	NM_001017796	esd	9.765016192	5.144124256	4.620891936	1.89E-15
peak_2914	chr9	24139714	24140180	11748	intron (NM_001004670, intron 1 of 4)	NM_001004670	lypd6	7.228749629	2.608298596	4.620451033	1.36E-15
peak_7870	chr16	12225948	12226465	-68993	Intergenic	NM_001195242	g6fl	7.39207215	2.771746478	4.620325672	7.71E-10
peak_11111	chr1	40758847	40759503	102961	Intergenic	NM_200023	zgc:56493	7.371859133	2.752141866	4.619717266	5.54E-08
peak_9537	chr12	16660405	16660848	146949	Intergenic	NM_001162849	nmt1b	6.938257743	2.318779611	4.619478131	8.81E-09
peak_4152	chr11	38491358	38491630	-4458	intron (NM_001040385, intron 4 of 8)	NR_030659		5.927631005	1.308618501	4.619012504	1.67E-13
peak_6340	chr9	25530583	25531257	-85031	Intergenic	NM_001128365	tmeff2a	8.460179113	3.841960536	4.618218578	4.90E-11
peak_8322	chr19	405437	405849	5472	intron (NM_212999, intron 1 of 17)	NM_212999	sema6d	6.77380202	2.155703238	4.618098782	1.64E-09
peak_2207	chr24	19109407	19109872	-82861	exon (NM_200844, exon 17 of 29)	NM_001200062	LOC100150965	6.973056277	2.355189052	4.617867224	2.37E-17
peak_6176	chr2	31393302	31393627	8666	3' UTR (NM_001197300, exon 8 of 8)	NM_001197300	e2f5	6.431293272	1.813729373	4.617563899	3.56E-11
peak_505	chr14	42799949	42800456	6149	intron (NM_001007406, intron 2 of 3)	NM_001007406	xkrx	9.024655701	4.408153556	4.616502144	1.34E-26
peak_4651	chr13	1059211	1059627	32042	Intergenic	NM_001256207	perp	5.980920138	1.364650599	4.616269539	8.07E-13
peak_4839	chr22	19062345	19062757	-46408	Intergenic	NM_001030111	fstl3	6.106165983	1.490687863	4.61547812	1.44E-12
peak_6760	chr20	26527224	26527471	-30435	intron (NM_001242996, intron 20 of 26)	NM_001281788	akap12b	4.835289348	0.219835396	4.615453952	1.10E-10
peak_4045	chr5	20769248	20769521	20655	exon (NM_001128545, exon 11 of 24)	NM_001128545	golga3	5.883141315	1.268380814	4.614760501	1.18E-13
peak_3991	chr23	38934369	38934840	-111464	Intergenic	NM_001080609	sall4	7.439571479	2.824954096	4.614617384	1.02E-13
peak_8101	chr24	22256603	22257254	8345	intron (NM_001113225, intron 9 of 10)	NM_001089544	gtf3ab	6.689644526	2.077505579	4.612138947	1.14E-09
peak_790	chr8	10887811	10888551	26479	Intergenic	NM_001077391	zgc:153997	9.911371071	5.30119368	4.61017739	1.01E-23
peak_8660	chr9	18774505	18775070	-58795	Intergenic	NM_001003476	dnajc15	7.751901956	3.142657014	4.609244941	2.53E-09
peak_6312	chr20	21391230	21391519	50184	intron (NM_001044888, intron 2 of 4)	NM_001044888	nudt14	4.827567192	0.219835396	4.607731797	4.64E-11
peak_6349	chr3	32947485	32947755	7892	Intergenic	NM_131188	mylpfa	4.826792699	0.219835396	4.606957303	5.01E-11
peak_1464	chr12	37918164	37918620	-143926	Intergenic	NR_034207		8.017963073	3.411969807	4.605993265	7.79E-20
peak_8648	chr9	13870823	13871145	-138840	Intergenic	NM_001076586	abi2a	6.787236179	2.182425019	4.604811161	2.50E-09
peak_3595	chr10	39821557	39821913	37925	Intergenic	NM_001006039	samsn1b	6.19728277	1.593024686	4.604258083	2.18E-14
peak_5231	chr4	20579151	20579556	8968	Intergenic	NM_001076732	rps16	6.408135387	1.804584883	4.603550504	4.00E-12
peak_3911	chr8	28692007	28692538	19129	intron (NM_001077371, intron 2 of 5)	NM_001077371	cttnbp2nlb	8.287839135	3.684581019	4.603258116	7.49E-14
peak_3207	chr2	17287239	17287580	-73219	Intergenic	NM_214785	st3gal3b	6.96143903	2.358620092	4.602818937	4.55E-15
peak_2959	chr4	22913111	22913393	-13743	Intergenic	NM_194401	celf2	6.314866759	1.712098884	4.602767875	1.70E-15
peak_6248	chr9	56342571	56342972	-34611	Intergenic	NM_131278	pou4f3	6.41613851	1.813729373	4.602409137	4.13E-11
peak_3922	chr1	26251502	26251820	173117	Intergenic	NM_001122755	bnc2	5.961252308	1.358970226	4.602282082	7.88E-14
peak_1989	chr16	45558343	45558681	52900	Intergenic	NM_001002868_1	dpy19l1l	7.201919475	2.599969102	4.601950373	5.87E-18
peak_6311	chr16	42502646	42503405	22612	intron (NM_001076716, intron 3 of 13)	NM_001076716	rbms3	8.992001174	4.390530975	4.601470198	4.64E-11
peak_13368	chr10	16524858	16526087	-18103	intron (NM_001077386, intron 7 of 8)	NM_001089348	chsy3	8.119382868	3.518277768	4.601105099	4.98E-07
peak_11092	chr3	52219551	52220040	36171	intron (NM_213256, intron 2 of 14)	NM_213256	ttyh2l	7.092670523	2.493469792	4.599200731	5.42E-08
peak_7187	chr4	24799938	24800389	8451	intron (NM_001277130, intron 3 of 32)	NM_001277130	lamb1b	7.574938675	2.976029152	4.598909524	2.47E-10
peak_6277	chr17	15712805	15713374	26085	intron (NM_001045376, intron 2 of 7)	NM_001045376	gabrr2a	5.073143782	0.474639816	4.598503966	4.38E-11
peak_7164	chr22	16788937	16789386	10954	TTS (NM_001007760)	NM_001007760	pdzk1ip1l	7.003773875	2.405679011	4.598094863	2.34E-10
peak_4870	chr24	43668808	43669190	30303	exon (NM_001003987, exon 13 of 18)	NM_001003987	epb41l3a	7.065613587	2.467634065	4.597979523	1.60E-12
peak_3466	chr20	42312792	42313209	34291	3' UTR (NM_200557, exon 9 of 9)	NM_200557	gopc	6.64738666	2.049565995	4.597820665	1.31E-14
peak_5986	chr7	65883575	65884595	-57087	Intergenic	NM_001110485	m1ap	9.369600831	4.771985387	4.597615444	2.26E-11
peak_6118	chr20	42356884	42357590	53359	Intergenic	NM_001039977	dcbld1	8.751019833	4.15401916	4.597000673	3.18E-11
peak_18726	chr2	31430250	31431625	-28807	Intergenic	NM_205615	e2f5	4.816595231	0.219835396	4.596759836	2.03E-05
peak_5630	chr2	47740253	47740591	3112	intron (NM_001004635, intron 1 of 4)	NM_001004635	ap1s3b	6.315695037	1.719076102	4.596618935	1.05E-11
peak_13959	chr24	6377860	6378516	-34476	Intergenic	NM_205579	myo3a	7.459738411	2.863331038	4.596407373	8.14E-07
peak_6017	chr9	27107630	27108112	-11686	Intergenic	NM_213216	arglu1a	7.777225342	3.182246751	4.594978591	2.46E-11
peak_4495	chr12	35620728	35621182	5266	intron (NM_199722, intron 1 of 12)	NM_199722	cyth1b	6.553619995	1.959143306	4.594476688	5.27E-13
peak_5955	chr5	41222541	41222962	-50682	intron (NM_001115124, intron 3 of 5)	NM_001077765	bmp3	6.308207174	1.713875669	4.594331505	2.11E-11
peak_7840	chr19	3218608	3219252	-88466	Intergenic	NM_001261449	il6	7.900949624	3.306791294	4.59415833	7.39E-10
peak_3305	chr1	16032680	16033046	-85954	Intergenic	NM_212967	fat1a	6.3827258	1.78859519	4.59413061	6.88E-15
peak_9874	chr21	22496690	22497718	88285	intron (NM_199635, intron 3 of 4)	NM_199635	zbtb16a	9.258643246	4.664928075	4.593715171	1.36E-08
peak_7918	chr9	39705078	39705742	8089	intron (NM_001128277, intron 4 of 12)	NM_001128277	slc12a8	7.904079113	3.311210411	4.592868702	8.42E-10
peak_4576	chr7	35067593	35067981	-49514	Intergenic	NM_131780	gro1	5.64630244	1.054120914	4.592181526	6.61E-13
peak_5635	chr5	50038323	50038803	4373	intron (NM_001130962, intron 1 of 8)	NM_001130962	mef2cb	7.518840781	2.92703279	4.591807991	1.06E-11
peak_5495	chr3	23583189	23583561	70960	Intergenic	NM_199214	col1a1a	6.197881892	1.606593419	4.591288473	7.55E-12
peak_4831	chr21	26266201	26266681	-119193	Intergenic	NM_001004677	fkbp2	7.414471629	2.824549162	4.589922467	1.40E-12
peak_2303	chr4	3919758	3920194	-31966	Intergenic	NM_201059	waslb	7.10936332	2.520220294	4.589143025	4.88E-17
peak_5791	chr15	29908752	29909291	177963	intron (NM_201109, intron 8 of 14)	NM_001003615	mrps23	6.302925974	1.713875669	4.589050305	1.49E-11
peak_4944	chr1	17490719	17491082	54914	Intergenic	NM_212886	pgm2	6.666163961	2.077256359	4.588907602	1.89E-12
peak_7621	chr5	60823093	60823802	-13321	Intergenic	NM_001020466	nup88	7.832891863	3.244285025	4.588606838	5.33E-10
peak_6029	chr15	35773497	35773803	170025	Intergenic	NM_001040687	nphs1	6.301516704	1.713875669	4.587641035	2.54E-11
peak_6893	chr4	15755778	15756118	19177	intron (NM_212644, intron 2 of 21)	NM_212644	dennd5b	6.494735408	1.907116997	4.587618411	1.39E-10
peak_8566	chr12	20369804	20370386	-31675	Intergenic	NM_212747	csnk1e	7.476667886	2.889227308	4.587440578	2.26E-09
peak_18622	chr13	4449041	4449500	54304	intron (NM_001077325, intron 1 of 8)	NM_001077325	mcu	5.071259472	0.48510786	4.586151612	1.91E-05
peak_12132	chr9	39708924	39709886	12084	intron (NM_001128277, intron 4 of 12)	NM_001128277	slc12a8	8.288683072	3.704069588	4.584613484	1.52E-07
peak_1541	chr22	12641370	12642179	80797	Intergenic	NM_199522	rnd3a	7.622106229	3.038001684	4.584104545	1.69E-19
peak_4056	chr8	17613772	17614197	15895	Intergenic	NM_001099245	plk2b	6.38747603	1.805399871	4.582076159	1.23E-13
peak_14189	chr19	19899744	19900380	84450	intron (NM_001020756, intron 14 of 27)	NM_001020756	ints8	7.481965904	2.899905719	4.582060185	9.79E-07
peak_1780	chr14	28989316	28989974	62176	Intergenic	NM_200569	tsc22d3	8.31812823	3.736371899	4.581756331	1.06E-18
peak_5195	chr16	29272974	29273513	-166514	Intergenic	NM_001002108	ino80c	8.84726711	4.265970707	4.581296403	3.77E-12
peak_4379	chr23	17397423	17398020	5985	intron (NM_001080652, intron 1 of 7)	NM_001080652	zgc:158791	8.766883385	4.185702943	4.581180442	3.61E-13
peak_3941	chr25	31476963	31477410	26939	intron (NM_001020632, intron 8 of 12)	NM_001020632	banp	7.048237643	2.467309337	4.580928306	8.24E-14

peak_7695	chr10	32801897	32802368	38083	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	7.756478619	3.175719872	4.580758747	5.92E-10
peak_3793	chr9	47355914	47356263	-215042	Intergenic	NM_001039358	hdac4	6.987365927	2.407391883	4.579974044	4.86E-14
peak_5466	chr21	37430872	37431675	148291	Intergenic	NM_200164	slc25a14	8.84031186	4.260723746	4.579588115	7.13E-12
peak_4921	chr17	13933990	13934488	392368	Intergenic	NM_200482	jkamp	8.504226543	3.926606119	4.577620424	1.81E-12
peak_3987	chr8	43514112	43514502	21760	exon (NM_200838, exon 17 of 22)	NM_200578	arpc5la	6.910683315	2.336230704	4.57445261	1.02E-13
peak_8367	chr22	21874506	21875141	3630	intron (NM_199953, intron 1 of 5)	NM_199953	ppap2c	7.412393111	2.838480547	4.573912563	1.74E-09
peak_3828	chr23	26442334	26442801	12615	exon (NM_001099420, exon 6 of 31)	NM_001099420	ptpn22	7.164456656	2.592088499	4.572368157	5.57E-14
peak_371	chr13	52182654	52183489	-33735	Intergenic	NM_001045030	prtga	9.279041648	4.706746607	4.572295041	1.26E-28
peak_4281	chr7	18132889	18133226	-944	promoter-TSS (NM_001115088)	NM_001115088	nitr7a	6.666163961	2.094030109	4.572133852	2.58E-13
peak_2462	chr11	37231342	37231731	11420	intron (NM_001045285, intron 5 of 10)	NM_001045285	atxn7l2a	6.934477557	2.362502351	4.571975206	1.20E-16
peak_3558	chr3	22966805	22967147	153802	Intergenic	NM_001128744	cyb561	6.548226788	1.976393729	4.571833059	1.92E-14
peak_7222	chr11	40138886	40139341	139129	Intergenic	NM_001017736	cldn19	7.130745946	2.558932965	4.571812981	2.69E-10
peak_6267	chr10	39633785	39634174	-24129	Intergenic	NM_001001886	usp25	6.343385461	1.771592457	4.571793004	4.30E-11
peak_6889	chr13	31359456	31359933	28657	Intergenic	NM_001110389	mapk8a	6.478757587	1.907116997	4.571640589	1.39E-10
peak_4207	chr1	48433745	48434125	105209	intron (NM_001077556, intron 13 of 17)	NM_001077556	ccdc147	6.168444828	1.596973593	4.571471235	2.05E-13
peak_15396	chr24	25683938	25684689	6756	Intergenic	NM_001100152	amer2	7.609864074	3.038663522	4.571200551	2.41E-06
peak_8540	chr13	3451548	3452270	139230	Intergenic	NM_201129	ncoa4	8.563272893	3.992161584	4.571111309	2.21E-09
peak_5229	chr7	60777331	60777749	49816	intron (NM_001122773, intron 2 of 33)	NM_001122773	plcb3	7.094119501	2.523824734	4.570294767	4.00E-12
peak_6168	chr13	1036120	1036563	8964	intron (NM_001256207, intron 2 of 2)	NM_001256207	perp	7.288190836	2.718857462	4.569333374	3.52E-11
peak_11559	chr23	41192299	41193738	-23608	Intergenic	NM_001139458	si:dkey-194e6.1	10.54367845	5.974929828	4.568748626	8.74E-08
peak_5613	chr11	22123818	22124140	-23904	Intergenic	NM_001114928	zgc:172180	6.059363209	1.490687863	4.568675346	1.01E-11
peak_4798	chr3	32911866	32912120	-24945	intron (NM_199809, intron 5 of 5)	NR_023335		5.897618191	1.330227956	4.567390235	1.25E-12
peak_6496	chr17	28764056	28764471	111	exon (NM_001003826, exon 1 of 4)	NM_001003826	ap4s1	7.448298748	2.881347843	4.566950905	6.69E-11
peak_10086	chr12	26961768	26962217	1619	intron (NM_001007313, intron 1 of 5)	NM_001007313	ppm1bb	6.867189027	2.300427624	4.566761403	1.71E-08
peak_8785	chr3	35907384	35907980	10337	intron (NM_001017817, intron 2 of 8)	NM_001017817	crlf3	8.231850119	3.665330773	4.566519346	3.10E-09
peak_3913	chr19	37131545	37131896	12847	intron (NM_001082901, intron 1 of 2)	NM_001082901	col8a2	6.702392321	2.137124189	4.565268132	7.58E-14
peak_2947	chr20	47780378	47781219	-17269	Intergenic	NM_001002566	rab10	9.606450468	5.041247873	4.565202595	1.64E-15
peak_889	chr21	39471937	39472868	-24507	Intergenic	NM_001082815_1	zgc:162239	9.338819213	4.774784772	4.564034441	4.29E-23
peak_6935	chr22	39488881	39489286	-49856	Intergenic	NM_201294	b3gnt7	4.783449089	0.219835396	4.563613693	1.51E-10
peak_4691	chr20	29834839	29835094	-21848	Intergenic	NM_199541	id2b	5.758415062	1.19500324	4.563411822	9.09E-13
peak_5012	chr12	12602876	12603695	-39616	Intergenic	NM_001111182	htra1b	8.981674889	4.418854552	4.562820337	2.30E-12
peak_4036	chr10	26437724	26438138	19693	Intergenic	NM_001009428	ftr54	6.84531137	2.282535302	4.562776069	1.15E-13
peak_11391	chr14	27490177	27491476	-16012	exon (NM_131368, exon 3 of 8)	NM_212735	syvn1	10.32700438	5.76482545	4.562178933	7.39E-08
peak_10341	chr24	392790	393317	-56996	intron (NM_001013328, intron 2 of 4)	NM_001115059	tgfbr1b	7.476406588	2.914247928	4.56215866	2.27E-08
peak_7639	chr1	8778144	8778648	-49587	Intergenic	NM_001177493	ugt5b1	6.78861732	2.226763905	4.561853414	5.45E-10
peak_8766	chr11	22254588	22255042	-17574	intron (NM_001048235, intron 18 of 22)	NM_001002751	ikbke	7.271454874	2.709987288	4.561467586	2.99E-09
peak_4295	chr20	42149783	42150059	123239	Intergenic	NM_001002356	nus1	6.321786659	1.762357279	4.55942938	2.64E-13
peak_3222	chr1	36386115	36386645	3681	intron (NM_001099445, intron 1 of 6)	NM_001099445	ednraa	8.416789499	3.857519706	4.559269793	4.77E-15
peak_4103	chr25	34230971	34231778	-23013	Intergenic	NM_001089422	zgc:162595	8.128617306	3.569582587	4.559034719	1.43E-13
peak_10160	chr4	8991545	8992189	18097	intron (NM_001045158, intron 1 of 39)	NM_001045158	sbf1	6.859213314	2.300427624	4.55878569	1.86E-08
peak_8610	chr8	28471533	28472193	37845	intron (NM_001002445, intron 4 of 4)	NM_001044340	mov10b.2	8.940317936	4.381631357	4.558686579	2.40E-09
peak_3800	chr23	2684146	2684526	-55734	Intergenic	NM_001030232	zgc:114123	6.153988177	1.596973593	4.557014584	5.00E-14
peak_3130	chr21	39477823	39478700	-30366	Intergenic	NM_001082815_1	zgc:162239	8.647393057	4.091268907	4.55612415	3.34E-15
peak_4711	chr17	20062363	20062856	3828	exon (NM_212693, exon 4 of 5)	NM_212693	bnip4	6.513429043	1.957723648	4.555705395	9.68E-13
peak_5927	chr1	20376226	20376597	30422	Intergenic	NM_001037378	primpol	6.269318729	1.713875669	4.555443061	2.00E-11
peak_5691	chr8	53473543	53473999	97541	intron (NM_001040037, intron 10 of 19)	NM_001040037	bmp1a	6.046057099	1.490687863	4.555369236	1.19E-11
peak_9551	chr6	3168578	3169103	27452	intron (NM_200355, intron 5 of 11)	NM_200355	st3gal3a	7.065777706	2.511004382	4.554773324	8.96E-09
peak_5858	chr23	8752274	8752731	-33609	Intergenic	NM_001130639	rgs19	7.149795936	2.595616288	4.554179648	1.73E-11
peak_8724	chr20	125133	125546	6264	exon (NM_001199968, exon 6 of 6)	NM_001199968	wu:fc14h06	6.708934402	2.155703238	4.553231164	2.85E-09
peak_4201	chr22	41126665	41127124	3194	exon (NM_001045022, exon 3 of 3)	NM_001045022	tm4sf18	7.305291006	2.752271527	4.553019479	2.00E-13
peak_4522	chr8	47337248	47337507	-108949	Intergenic	NM_213457	chmp4b	5.605235529	1.054120914	4.551114616	5.71E-13
peak_8529	chr4	27582373	27583408	81083	Intergenic	NM_001020599	trmu	9.453930387	4.904385467	4.54954492	2.18E-09
peak_6526	chr8	46073101	46073493	175015	Intergenic	NM_183338	piwil1	6.039072179	1.490687863	4.548384316	7.08E-11
peak_3531	chr14	34908261	34908551	-7378	Intergenic	NM_001002561	clic2	6.129961319	1.582422503	4.547538815	1.75E-14
peak_393	chr3	40612537	40613645	41862	Intergenic	NM_001076560	fscn1a	10.4304089	5.882978813	4.54743009	3.89E-28
peak_11987	chr4	24832614	24833645	41417	intron (NM_001277130, intron 27 of 32)	NM_001277130	lamb1b	9.134200095	4.587451383	4.546748712	1.33E-07
peak_12273	chr16	27779847	27780623	4835	intron (NM_001080022, intron 3 of 6)	NM_001080022	mylipb	8.337124525	3.790484055	4.546640471	1.74E-07
peak_4170	chr5	64828548	64828979	108411	Intergenic	NM_199919	ap2b1	7.835696832	3.289117235	4.546579597	1.79E-13
peak_10205	chr18	20923736	20924459	20568	exon (NM_001044865, exon 11 of 11)	NM_001044865	chka	6.90149607	2.355004635	4.546491434	1.96E-08
peak_2599	chr1	474487	475334	5576	intron (NM_001098264, intron 1 of 9)	NM_001098264	jam2a	10.09315133	5.547094314	4.546057015	2.62E-16
peak_9976	chr13	27256610	27257086	5421	intron (NM_001114913, intron 2 of 3)	NM_001114913	ccdc85a	6.864716677	2.318779611	4.545937066	1.52E-08
peak_12390	chr16	27951857	27952652	-32275	Intergenic	NM_199614	tomm40	8.089597365	3.543828409	4.545768956	1.98E-07
peak_4917	chr14	14740308	14740630	56677	intron (NM_001114729, intron 8 of 25)	NM_001258226	dicp2.1	5.771779668	1.226539182	4.545240486	1.79E-12
peak_5428	chr4	2850817	2851150	-34646	Intergenic	NM_213494	aebp2	5.909414274	1.364650599	4.544763676	6.44E-12
peak_8150	chr2	473707	474193	-63672	Intergenic	NM_212920	wrnip1	6.62211274	2.077505579	4.544607161	1.23E-09
peak_7563	chr24	4463316	4463665	64468	Intergenic	NM_130918	fzd8a	6.539244281	1.994825282	4.544418999	4.89E-10
peak_13609	chr15	35690074	35690677	253300	Intergenic	NM_001040687	nphs1	8.119294578	3.575072199	4.54422238	6.07E-07
peak_7403	chr9	16848562	16849139	-98813	Intergenic	NM_001113633	si:dkey-103d23.5	7.449542398	2.905998569	4.54354383	3.69E-10
peak_12882	chr6	46360436	46360896	-8392	exon (NM_001003535, exon 25 of 29)	NM_205561	stau1	7.205656619	2.662606856	4.543049763	3.12E-07
peak_3457	chr8	31806888	31807288	-14599	exon (NM_001123317, exon 7 of 16)	NM_001007296	smarcb1a	6.130275221	1.587289192	4.542986029	1.27E-14
peak_4157	chr7	66647124	66647574	182851	Intergenic	NM_198825_1	fam60al	7.012334216	2.469946833	4.542387383	1.68E-13
peak_8752	chr16	36642293	36642757	-30268	exon (NM_200670, exon 6 of 15)	NM_213178	rcc1	6.536892222	1.994825282	4.54206694	2.95E-09
peak_10651	chr20	23393322	23394166	20109	intron (NM_001159667, intron 53 of 59)	NM_194381	zar1	8.106883908	3.565239152	4.541644756	3.32E-08
peak_5050	chr8	19667358	19667776	123703	Intergenic	NM_212872	zgc:77486	6.815883132	2.275160696	4.540722436	2.51E-12
peak_3566	chr11	13772748	13773399	23577	Intergenic	NM_001122626	sc:d149	8.611280106	4.071117672	4.540162434	1.98E-14
peak_6173	chr5	30556071	30556895	-55237	Intergenic	NM_001089376	stxbp1b	7.666513906	3.128333331	4.538180574	3.54E-11
peak_8186	chr14	32086593	32087103	-65821	Intergenic	NM_131860	gpc4	6.615612369	2.077505579	4.53810679	1.31E-09
peak_2761	chr7	16335978	16336535	120245	intron (NM_152969, intron 10 of 20)	NM_152969	igf1rb	7.491914729	2.953957735	4.537956994	6.10E-16
peak_6052	chr12	20161890	20162233	37616	Intergenic	NM_001002690	csdc2a	6.251792604	1.713875669	4.537916935	2.70E-11
peak_5380	chr1	11648230	11648476	3963	intron (NM_213045, intron 1 of 6)	NM_213045	clta	5.991691324	1.453857079	4.537834245	5.55E-12
peak_8323	chr15	47409960	47410544	316	intron (NM_001080683, intron 1 of 7)	NM_001080683	cep57	8.291364569	3.753993278	4.53737129	1.64E-09
peak_13160	chr18	8385343	8385808	3312	intron (NM_001089407, intron 1 of 21)	NM_001089407	LOC565175	7.489102804	2.951773514	4.537329289	4.11E-07
peak_6636	chr12	38939844	38940243	-102528	Intergenic	NM_001040355	pmp22b	6.988232044	2.451382297	4.536849747	8.82E-11
peak_9893	chr11	10612102	10613395	7496	exon (NM_198876, exon 2 of 2)	NM_198876	b3gnt5a	10.01529391	5.478606625	4.536687284	1.39E-08
peak_3232	chr15	40521657	40522135	180296	Intergenic	NM_001002430	pxylp1	8.327965562	3.791331013	4.536634549	5.09E-15
peak_5615	chr21	31537022	31537522	11612	intron (NM_212660, intron 7 of 11)	NM_212660	cnot6	6.679157543	2.142537912	4.536619631	1.01E-11
peak_10477	chr20	1786681	1787199	17917	intron (NM_001278799, intron 1 of 49)	NM_001278799	lama2	6.904262675	2.367686229	4.536576446	2.67E-08
peak_4209	chr25	14148493	14148890	39320	Intergenic	NM_001003460	usb1	6.309055459	1.773207505	4.535847955	2.06E-13
peak_3949	chr18	33811112	33811486	59048	Intergenic	NM_001077275	zgc:153119	6.495696065	1.960442161	4.535253904	8.52E-14
peak_8940	chr17	27795811	27796666	216506	Intergenic	NM_131224	qkia	7.558293407	3.023389391	4.534904016	3.87E-09
peak_2402	chr17	12633139	12634345	2690	intron (NM_001146304, intron 1 of 39)	NM_001146304	ralgapa1	10.69959396	6.164714379	4.53487958	8.32E-17
peak_1050	chr9	53500663	53501607	440476	Intergenic	NM_001030165	Mar-04	9.741991032	5.208089486	4.533901546	5.62E-22
peak_4510	chr4	6771253	6771846	2309	exon (NM_001030108, exon 2 of 4)	NM_001030108	elk3	6.601151751	2.067728465	4.533423286	5.52E-13
peak_12888	chr2	49224388	49224954	62107	intron (NM_001012258_1, intron 1 of 1)	NM_001012258_1	zgc:123035	8.467976017	3.934980791	4.532995226	3.13E-07
peak_7083	chr1	1008994	1009335	12181	exon (NM_131617, exon 6 of 21)	NM_131617	gart	6.439184085	1.907116997	4.532067087	2.03E-10
peak_4735	chr10	26926839	26927201	-67041	Intergenic	NM_001017649	arfip2b	6.298463604	1.766654163	4.531809441	1.03E-12
peak_4868	chr16	6569105	6569533	74458	Intergenic	NM_001020563	echdc1	7.222580114	2.691613311	4.530966803	1.60E-12
peak_11554	chr11	34998161	34998551	27849	Intergenic	NM_214705	fam43a	7.024235967	2.493469792	4.530766175	8.70E-08
peak_8718	chr23	32461607	32462016	12767	intron (NM_001039924, intron 3 of 7)	NM_001039924	grasp	7.106325553	2.575870615	4.530454937	2.82E-09
peak_4684	chr25	557032	557895	69519	Intergenic	NM_212993	rsl24d1	8.648598816	4.118474802	4.530124014	8.93E-13
peak_4407	chr14	31846321	31846638	-5358	intron (NM_001007055, intron 2 of 2)	NM_001002460	zgc:92907	6.694310339	2.164824314	4.529486025	3.95E-13
peak_10848	chr4	7472377	7472825	16513	intron (NM_001025506, intron 2 of 7)	NM_001025506	adipor2	7.007196132	2.477959034	4.529237098	4.09E-08
peak_4914	chr16	15624628	15624956	7733	Intergenic	NM_001045846	cdc42ep1b	5.724231595	1.19500324	4.529228355	1.77E-12
peak_5456	chr6	52997364	52997904	3323	intron (NM_199788, intron 2 of 2)	NM_199788	fam212ab	8.911457064	4.383286245	4.528170819	6.93E-12
peak_3682	chr13	15130792	15131155	-5213	Intergenic	NM_001080584	mavs	6.214591644	1.686923322	4.527668322	3.12E-14

peak_5234	chr13	52352237	52352610	9679	intron (NM_214772, intron 3 of 9)	NM_214772	lsm14ab	6.729432964	2.203334514	4.52609845	4.08E-12
peak_4668	chr19	27145872	27146154	20251	intron (NM_001044932, intron 18 of 28)	NM_001044932	ints3	5.776623881	1.251205952	4.525417928	8.44E-13
peak_7985	chr17	21331956	21332441	-60719	Intergenic	NM_194410	vax1	6.993082785	2.468306686	4.5247761	9.32E-10
peak_1691	chr4	26502976	26503648	-89894	Intergenic	NM_001082941	zbed4	8.957711437	4.432961102	4.524750336	5.81E-19
peak_6056	chr5	16582862	16583255	-294914	Intergenic	NM_001128246	sc:d411	6.238425565	1.713875669	4.524549896	2.73E-11
peak_2063	chr9	1825220	1825767	-55765	Intergenic	NM_001017554_2		7.32769186	2.803817455	4.523874404	9.37E-18
peak_3934	chr1	19574438	19575053	32582	intron (NM_131010, intron 3 of 21)	NM_131010	tll1	8.142349673	3.618495698	4.523853975	8.05E-14
peak_5463	chr13	22436054	22437313	-20745	Intergenic	NM_001201566	usp54a	8.959042538	4.436097198	4.522945339	7.05E-12
peak_9117	chr16	58259342	58260701	-21153	Intergenic	NM_001077321_1	spag1b	8.796279486	4.273645786	4.5226337	4.93E-09
peak_4784	chr9	14821733	14822136	-40868	Intergenic	NM_212966	nrp2b	7.468096571	2.945732086	4.522364485	1.21E-12
peak_7711	chr9	44507142	44507532	104034	intron (NM_212793, intron 2 of 8)	NM_212793	znf385b	6.517034455	1.994825282	4.522209173	6.12E-10
peak_5133	chr7	59420462	59420790	-3838	Intergenic	NM_213322	ggh	5.851797746	1.330227956	4.52156979	3.23E-12
peak_3662	chr19	11588193	11588589	8168	intron (NM_001081631, intron 1 of 21)	NM_001081631	arhgef1a	6.113188941	1.592139519	4.521049423	2.93E-14
peak_5044	chr15	19236524	19236814	35858	Intergenic	NM_001077250	spint2	5.5750338	1.054120914	4.520912886	2.49E-12
peak_7109	chr16	40193856	40194558	-280076	Intergenic	NM_001037432	zgc:123285	7.649803568	3.129371542	4.520432025	2.16E-10
peak_4850	chr4	20305112	20305454	97232	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	5.593873361	1.07379276	4.520080602	1.51E-12
peak_4041	chr8	11447241	11447540	-29908	intron (NM_001004579, intron 7 of 14)	NM_153673	unc45b	6.201770136	1.682381901	4.519388235	1.17E-13
peak_5907	chr9	9960405	9960830	-67961	TTS (NM_001039621)	NM_131381	gsk3b	7.059353592	2.539977782	4.51937581	1.92E-11
peak_4499	chr14	6552402	6552827	51302	Intergenic	NM_001007455	thg1l	7.341616498	2.823146138	4.51847036	5.28E-13
peak_11875	chr3	26502350	26503304	9810	intron (NM_001172397, intron 1 of 10)	NM_001172397	xylt1	9.033971988	4.51554776	4.518424228	1.19E-07
peak_7592	chr3	61758662	61759247	12683	Intergenic	NM_182937	pvalb8	5.744539391	1.226539182	4.51800021	5.03E-10
peak_12190	chr3	36318593	36319066	34670	Intergenic	NM_200391	wipi1	7.822902651	3.305009104	4.517893548	1.61E-07
peak_5284	chr9	29184198	29184579	46211	Intergenic	NM_201499	idh1	6.095897876	1.579327125	4.51657075	4.62E-12
peak_5048	chr18	30176887	30177171	-208989	Intergenic	NM_001080807	gse1	5.41898268	0.902938058	4.516044621	2.50E-12
peak_5742	chr13	15925796	15926654	22222	intron (NM_130986, intron 3 of 8)	NM_130986	ikzf1	8.794399015	4.279061341	4.515337675	1.32E-11
peak_4750	chr19	22636532	22636864	-64377	exon (NM_001045154, exon 15 of 28)	NM_001045159	nfatc1	6.1930644	1.67782614	4.51523826	1.09E-12
peak_8167	chr4	24801833	24802196	10302	intron (NM_001277130, intron 3 of 32)	NM_001277130	lamb1b	6.510055843	1.994825282	4.515230561	1.26E-09
peak_1318	chr23	3376015	3376871	47112	Intergenic	NM_131015	mafba	9.240757523	4.725988073	4.514769449	1.53E-20
peak_12699	chr10	27472329	27472879	9998	Intergenic	NM_001006010	sssca1	8.020425688	3.506118668	4.51430702	2.64E-07
peak_2570	chr15	3526370	3527086	-68301	Intergenic	NM_001080055_1		9.26119361	4.747370806	4.513822804	2.13E-16
peak_8553	chr19	37180377	37180771	-36007	Intergenic	NM_001082901	col8a2	6.621666276	2.10908919	4.512577086	2.23E-09
peak_4253	chr1	46853327	46854271	-48781	Intergenic	NM_001004513	tubgcp3	7.877993784	3.366839001	4.511154783	2.33E-13
peak_6179	chr24	26637947	26638628	-52844	Intergenic	NM_200440	klhl24b	8.00291704	3.492351189	4.510565852	3.57E-11
peak_10809	chr14	38337886	38338272	131180	Intergenic	NM_001048055	lect2l	6.877905773	2.367686229	4.510219544	3.90E-08
peak_3702	chr8	31438843	31439210	-28935	exon (NM_001123253, exon 21 of 23)	NM_001039816	specc1la	6.438930692	1.928789534	4.510141158	3.35E-14
peak_1694	chr19	433066	433540	8653	exon (NM_200674, exon 14 of 16)	NM_200674	dus3l	7.630151454	3.120212474	4.509938981	5.84E-19
peak_10343	chr16	4074411	4074897	-2303	Intergenic	NM_001113377	csf3r	7.832120223	3.32292897	4.509191253	2.28E-08
peak_9707	chr19	37127259	37127710	17083	intron (NM_001082901, intron 1 of 2)	NM_001082901	col8a2	6.760444393	2.25221264	4.508231753	1.10E-08
peak_7354	chr1	27907689	27908072	-26904	intron (NM_203427, intron 3 of 10)	NM_213047	pwp2h	6.716492648	2.208316813	4.508175835	3.34E-10
peak_2586	chr1	54504009	54504412	-8503	exon (NM_213531, exon 20 of 26)	NM_001017750	acta1a	7.529736601	3.022325803	4.507410799	2.34E-16
peak_4243	chr22	31968427	31969256	-154767	Intergenic	NM_205574	pvalb7	7.847031192	3.340912454	4.506118739	2.28E-13
peak_3140	chr16	39626135	39626492	-66910	Intergenic	NM_001089484	scmh1	6.169990197	1.664638501	4.505351696	3.45E-15
peak_4416	chr21	23580903	23581455	231983	intron (NM_001113551, intron 4 of 11)	NM_001004630	sc5d	6.855610758	2.350613745	4.504997013	4.11E-13
peak_16625	chr12	40230817	40231309	-120338	Intergenic	NM_001099246	abca5	7.661284798	3.157458375	4.503826423	5.67E-06
peak_684	chr9	10929925	10930593	6109	intron (NM_001077611, intron 1 of 18)	NM_001077611	dars	8.793402527	4.290781872	4.502620655	9.55E-25
peak_5807	chr5	34112403	34112661	4396	exon (NM_200648, exon 9 of 15)	NM_200648	ndor1	5.993072716	1.490687863	4.502384853	1.52E-11
peak_5184	chr13	12642792	12643135	12036	exon (NM_205603, exon 9 of 10)	NM_205603	zgc:100846	6.140943814	1.638852308	4.502091506	3.65E-12
peak_9240	chr21	9951628	9952348	6811	exon (NM_001030231, exon 8 of 8)	NM_001030231	zgc:114104	7.356481699	2.85472696	4.501754739	5.81E-09
peak_2989	chr2	25378116	25378526	-148306	Intergenic	NM_001159832	fndc3ba	7.503742059	3.00221926	4.5015228	1.95E-15
peak_5447	chr1	17115078	17115279	-36405	exon (NM_001170942, exon 9 of 11)	NM_131393	mtnr1aa	5.209829719	0.709096771	4.500732948	6.72E-12
peak_3554	chr13	5531950	5532369	81927	Intergenic	NM_213234	spred2b	7.12301973	2.622492476	4.500527254	1.91E-14
peak_7207	chr14	18667253	18667681	-21823	Intergenic	NM_001018105	ogt.1	6.364116395	1.863651775	4.50046462	2.59E-10
peak_7446	chr7	75161836	75162204	10438	exon (NM_001034983, exon 11 of 20)	NM_001034983	aco1	7.603540855	3.103138362	4.500402494	3.97E-10
peak_4448	chr11	5126332	5126779	-301879	Intergenic	NM_001077310		7.347314116	2.847562423	4.499751693	4.63E-13
peak_15432	chr18	43074274	43074958	8157	intron (NM_200063, intron 3 of 6)	NM_200063	ehd2b	7.997239095	3.498223085	4.499016011	2.48E-06
peak_9075	chr10	39510109	39510557	-71423	Intergenic	NR_030051		6.65287205	2.155703238	4.497168812	4.67E-09
peak_13022	chr25	18779215	18779695	38338	Intergenic	NM_194380	dusp6	7.160620071	2.663703566	4.496916505	3.63E-07
peak_4609	chr21	18487766	18488211	11296	intron (NM_182870, intron 1 of 2)	NM_182870	fgf10a	6.764315872	2.267453635	4.496862237	7.37E-13
peak_1145	chr2	35514996	35515518	-59818	Intergenic	NM_001201444	dhx9	8.33828775	3.841441382	4.496846368	2.04E-21
peak_16177	chr8	56170728	56171797	-1043	TTS (NM_205697)	NM_198869_1	apeh	8.480054803	3.983757524	4.496297279	4.21E-06
peak_3239	chr1	4819002	4819489	-179603	Intergenic	NM_001145693	abcb6a	7.805087064	3.309056119	4.496030945	5.41E-15
peak_5519	chr6	22956988	22957378	44973	intron (NM_001256241, intron 2 of 16)	NM_001256241	prkca	7.124596121	2.628724051	4.495872071	7.99E-12
peak_8502	chr7	58455439	58455937	83211	Intergenic	NM_001076742	enosf1	6.572494954	2.077505579	4.494989375	2.11E-09
peak_6869	chr16	14467408	14467789	7228	intron (NM_001110415, intron 2 of 3)	NM_001110415	sbk3	6.307374584	1.813729373	4.493645211	1.33E-10
peak_5121	chr13	13911923	13912193	44722	intron (NM_001145615, intron 5 of 27)	NM_001145615	atrn	5.8582772	1.364650599	4.493626601	3.13E-12
peak_15933	chr24	4061958	4062427	164400	Intergenic	NM_201461	klf6a	8.406306948	3.912964318	4.493342629	3.59E-06
peak_12806	chr3	34371596	34371973	52431	Intergenic	NM_213197	znf207a	7.10217099	2.609160782	4.493010208	2.91E-07
peak_5350	chr18	42834661	42834976	108720	exon (NM_001123012, exon 6 of 17)	NM_001123012	aplp2	6.071856071	1.579327125	4.492528945	5.26E-12
peak_13027	chr6	8201865	8202386	57373	Intergenic	NM_001113337	cyp27c1	7.155068402	2.663703566	4.491364836	3.64E-07
peak_7312	chr18	47514914	47515431	13868	Intergenic	NM_001200037	LOC798703	6.853330816	2.362017819	4.491312997	3.12E-10
peak_8809	chr8	41808243	41808846	3761	intron (NM_212787, intron 3 of 4)	NM_212787	unc119.1	7.738121098	3.247127814	4.490993284	3.20E-09
peak_1914	chr1	30069686	30070921	-5145	Intergenic	NM_001013448	itga6b	9.337532383	4.847079186	4.490453197	3.19E-18
peak_9598	chr23	26183606	26183970	16944	intron (NM_001166156, intron 1 of 2)	NM_001166156	pkig	6.720263056	2.229879429	4.490383626	9.56E-09
peak_5718	chr6	6756978	6757549	-10407	Intergenic	NM_001114896	zgc:171558	7.137806673	2.647485275	4.490321398	1.25E-11
peak_6250	chr2	8231308	8231663	164531	Intergenic	NM_001128395	si:ch211-71m22.	5.980592305	1.490687863	4.489904442	4.13E-11
peak_5458	chr20	32646387	32646753	105926	Intergenic	NM_001002588	sec63	5.980571993	1.490687863	4.48988413	6.97E-12
peak_12953	chr12	43592296	43593171	-324886	Intergenic	NM_001020516	dpysl4	9.026261384	4.536644189	4.489617195	3.35E-07
peak_2429	chr2	14994552	14994986	45768	exon (NM_200111, exon 12 of 27)	NM_200111	arhgap29b	7.632036859	3.142939084	4.489097775	9.92E-17
peak_2996	chr9	36365030	36365525	244957	intron (NM_131830, intron 1 of 16)	NM_131830	ncam2	7.93619984	3.447210798	4.488989042	2.00E-15
peak_19650	chr18	38393418	38394176	-258292	Intergenic	NM_001017682	sema6dl	8.099113347	3.610442752	4.488670595	3.39E-05
peak_11172	chr10	34984709	34985188	45526	Intergenic	NM_001199367	zar1l	7.627479019	3.139093647	4.488385372	5.89E-08
peak_6751	chr21	29193389	29194113	18217	intron (NM_001077287, intron 1 of 18)	NM_001077287	afap1l1b	9.284027069	4.795749057	4.488278011	1.10E-10
peak_5505	chr1	53508385	53509377	220670	Intergenic	NM_001081629	smarca5	8.897528679	4.4094099	4.488118779	7.70E-12
peak_5059	chr10	17252682	17253051	-29953	Intergenic	NM_201031_1	stoml2	5.714191115	1.226539182	4.487651933	2.63E-12
peak_5841	chr15	24545428	24545828	-38728	exon (NM_001003611, exon 10 of 10)	NM_001007458	vps53	6.779428557	2.292054387	4.487374169	1.65E-11
peak_6918	chr6	11209760	11210730	49255	Intergenic	NM_001083031	atg9a	7.3540648	2.866947557	4.487117243	1.46E-10
peak_6230	chr13	27512940	27513259	-9505	Intergenic	NM_001076727	slc17a5	6.093324086	1.606593419	4.486730667	3.96E-11
peak_8350	chr17	32501307	32501807	74226	Intergenic	NM_001077604	klf11b	7.397581928	2.91159412	4.485987809	1.69E-09
peak_5768	chr5	20814985	20815284	-16796	Intergenic	NM_212766	ranbp1	5.712071154	1.226539182	4.485531972	1.40E-11
peak_5883	chr3	54303164	54303588	56685	Intergenic	NM_200707	rdh8a	6.79758489	2.312197852	4.485387038	1.83E-11
peak_5003	chr15	11853254	11853697	-50400	Intergenic	NM_001089490	fkrp	6.570400892	2.085101929	4.485298963	2.25E-12
peak_6562	chr6	46091857	46092275	-105068	Intergenic	NM_001110023	zgc:162324	6.091713132	1.606593419	4.485119713	7.51E-11
peak_3694	chr10	26340707	26341019	-7004	Intergenic	NM_131294	sod1	6.093646061	1.609471689	4.484174372	3.26E-14
peak_4366	chr7	16244098	16244638	28357	intron (NM_152969, intron 2 of 20)	NM_152969	igf1rb	7.566346701	3.083081675	4.483265025	3.43E-13
peak_5335	chr8	12710582	12710991	75157	Intergenic	NM_001024214	endog	7.05819924	2.575268044	4.482931195	5.10E-12
peak_4656	chr20	23395986	23396398	17661	exon (NM_001159667, exon 55 of 60)	NM_194381	zar1	7.005496001	2.522610876	4.482885125	8.23E-13
peak_6322	chr18	27687956	27688463	6929	intron (NM_001002439, intron 1 of 8)	NM_001002439	tspan18b	8.31708651	3.834514376	4.482572134	4.69E-11
peak_21123	chr11	18863589	18864281	113686	Intergenic	NM_001079955	dido1	8.760041713	4.278299811	4.481741902	7.13E-05
peak_12378	chr1	33930204	33930850	1921	TTS (NM_001034019)	NM_001034019	kctd12.2	8.428979998	3.947336225	4.481643774	1.96E-07
peak_5536	chr25	13906819	13907140	15743	intron (NM_199873, intron 10 of 10)	NM_199873	ldhd	5.972170782	1.490687863	4.481482919	8.30E-12
peak_17419	chr6	30206053	30207065	23062	intron (NM_001110470, intron 1 of 22)	NM_001110470	wwc3	8.453019142	3.971734112	4.48128503	9.24E-06
peak_3592	chr16	47770424	47771025	29097	Intergenic	NM_001083823	cd22	8.677250859	4.196043726	4.481207133	2.16E-14
peak_2370	chr3	46376045	46376687	41647	Intergenic	NM_001017690	snrnp25	7.149021604	2.668247997	4.480773607	6.86E-17
peak_5158	chr7	74599736	74600058	-107432	Intergenic	NM_001083568	cacnb2a	5.675037774	1.19500324	4.480034534	3.42E-12
peak_3924	chr20	41174251	41174648	373453	Intergenic	NM_001100023	si:dkey-233p4.1	6.448557844	1.968954665	4.479603179	7.89E-14

peak_3310	chr8	12354997	12355413	-67683	Intergenic	NM_001113585	anapc7	7.340795061	2.862071903	4.478723158	6.96E-15
peak_3716	chr12	50362232	50362594	-34905	intron (NM_200591, intron 5 of 7)	NM_001114902	zgc:175139	6.266465608	1.78859519	4.477870418	3.57E-14
peak_5199	chr6	31685178	31685573	31995	Intergenic	NM_201025	pgm1	6.702181189	2.224657184	4.477524005	3.78E-12
peak_10884	chr11	23284597	23285050	76445	intron (NM_001100151, intron 1 of 28)	NM_001100151	ppfia4	7.508224387	3.03153949	4.476684897	4.36E-08
peak_8667	chr10	46477916	46478875	2854	intron (NM_001045349, intron 2 of 6)	NM_001045349	setd8a	8.928658557	4.452419758	4.476238799	2.58E-09
peak_6034	chr15	4708033	4708377	117897	Intergenic	NM_001039993	lipt2	5.966887383	1.490687863	4.47619952	2.57E-11
peak_11353	chr5	50676247	50676874	102186	exon (NM_001001845, exon 85 of 90)	NM_001080029	arrdc3a	6.907929007	2.431948405	4.475980601	7.04E-08
peak_6178	chr23	8885786	8886707	-46293	Intergenic	NM_200986	tcea2	8.957003768	4.481028534	4.475975234	3.57E-11
peak_9851	chr2	2907003	2907834	-5540	Intergenic	NM_001135682	aqp1a.2	7.729323318	3.253499263	4.475824055	1.32E-08
peak_6228	chr16	48418967	48419412	17493	exon (NM_001114738, exon 7 of 7)	NM_001114738	dnase2	7.304317639	2.828816031	4.475501608	3.95E-11
peak_3195	chr13	22320004	22320438	-85061	Intergenic	NM_205678	myoz1a	7.25222531	2.77718428	4.47504103	4.30E-15
peak_9772	chr19	50154159	50154837	45308	intron (NM_001040330, intron 2 of 8)	NM_001033754	zgc:114119	8.517877922	4.043021948	4.474855974	1.20E-08
peak_3613	chr8	54599511	54599862	6410	intron (NM_001020700, intron 1 of 13)	NM_001020700	dbnlb	6.447031973	1.972678992	4.474352981	2.37E-14
peak_7150	chr3	45329798	45330461	6471	intron (NM_001077344, intron 7 of 12)	NM_001077344	pdpk1a	7.32728121	2.853634373	4.473646836	2.27E-10
peak_4539	chr10	45494328	45494595	-2150	Intergenic	NM_001006044	cldn5b	5.93267898	1.459176537	4.473502444	6.02E-13
peak_4517	chr22	34054240	34054510	-225074	Intergenic	NM_001037661	slc6a6b	5.593418071	1.120232971	4.4731851	5.59E-13
peak_4583	chr21	6982257	6982637	-114164	Intergenic	NM_001003459	crhbp	5.900565531	1.427629337	4.472936193	6.78E-13
peak_13888	chr20	34274290	34275230	42455	intron (NM_001190304, intron 10 of 106)	NM_001190304	hmcn1	8.678002561	4.205727292	4.472275269	7.64E-07
peak_11379	chr2	24745545	24746218	20149	Intergenic	NM_001007459	slc35g2a	6.903333919	2.431948405	4.471385514	7.28E-08
peak_5197	chr11	31919794	31920397	181034	Intergenic	NM_001014332	man2b1	8.931590877	4.460360334	4.471230543	3.78E-12
peak_4203	chr5	9205385	9205911	5284	intron (NM_001045858, intron 1 of 2)	NM_001045858	fgf10b	8.244468025	3.773685865	4.47078216	2.01E-13
peak_6807	chr1	43917741	43918333	149035	Intergenic	NM_001002577	suclg1	7.091874308	2.621450863	4.470423445	1.20E-10
peak_7380	chr4	13672750	13673236	34778	Intergenic	NM_001114488	si:ch211-127b11.	6.433584295	1.963531935	4.47005236	3.50E-10
peak_9288	chr9	27434912	27435596	298095	Intergenic	NM_131023	efnb2a	6.625456824	2.155703238	4.469753586	6.26E-09
peak_10932	chr6	9966742	9967583	19235	3' UTR (NM_213026, exon 11 of 11)	NM_213026	sucla2	8.085960793	3.616682892	4.469277901	4.54E-08
peak_869	chr9	41559058	41559761	-60311	Intergenic	NM_001128564	vwc2l	9.162239395	4.694109441	4.468129955	3.29E-23
peak_9766	chr24	9234478	9234973	-140077	Intergenic	NM_199567	tgif1	6.697727903	2.229879429	4.467848474	1.19E-08
peak_10679	chr3	28720105	28720692	96012	Intergenic	NM_001201336	fbxl16	8.596668825	4.129838055	4.466830771	3.40E-08
peak_8679	chr24	26319503	26319889	-101760	Intergenic	NM_001113595	ccl20	7.536878409	3.070315013	4.466563395	2.64E-09
peak_5137	chr10	32013607	32014033	174235	Intergenic	NM_153654	pknox2	5.693048356	1.226539182	4.466509174	3.27E-12
peak_4063	chr13	20851719	20851998	-172402	Intergenic	NM_001144786	si:ch1073-126c3.	6.30766836	1.841665638	4.466002722	1.27E-13
peak_5409	chr16	24789503	24790497	73680	Intergenic	NM_001013495	s100t	8.618027095	4.152260257	4.465766838	6.12E-12
peak_5315	chr15	24171965	24172196	22997	intron (NM_001017651, intron 6 of 8)	NM_001017651	gosr1	5.368662153	0.902938058	4.465724094	4.92E-12
peak_8347	chr2	32047073	32047448	23659	intron (NM_001130663, intron 1 of 26)	NM_001130663	asap1a	6.762887638	2.297460938	4.4654267	1.69E-09
peak_5282	chr16	20664275	20664647	171167	Intergenic	NM_131238	rxrbb	5.829888182	1.364650599	4.465237583	4.60E-12
peak_6194	chr24	29189460	29189762	-38169	exon (NM_001077179, exon 7 of 12)	NM_001030253	bcl2a	6.138431006	1.673255946	4.46517506	3.69E-11
peak_4841	chr9	34887936	34888293	4107	Intergenic	NR_039077		6.02424582	1.559712523	4.464533297	1.45E-12
peak_6392	chr5	24911190	24911489	-36	promoter-TSS (NM_001013350)	NM_001013350	agtr2	6.070856142	1.606593419	4.464262723	5.45E-11
peak_5279	chr19	19506949	19507221	118502	exon (NM_131340, exon 12 of 12)	NM_131065	nr1d2b	5.828341271	1.364650599	4.463690672	4.58E-12
peak_10962	chr11	25456407	25456961	-64347	Intergenic	NM_001080582	mxra8a	6.830865427	2.367686229	4.463179198	4.68E-08
peak_11086	chr20	21974978	21975757	6836	intron (NM_001030136, intron 1 of 24)	NM_001030136	daam1b	8.98310428	4.520756808	4.462347472	5.40E-08
peak_12575	chr5	16796876	16797371	-110213	Intergenic	NM_183339	tbx1	7.013876049	2.552474647	4.461401402	2.33E-07
peak_7300	chr25	10833365	10833669	7537	exon (NM_199684, exon 3 of 25)	NM_199684	ppp6r3	4.680646069	0.219835396	4.460810673	3.08E-10
peak_5064	chr2	23087914	23088199	34780	Intergenic	NM_199697	gtf2b	5.611994389	1.152146449	4.45984794	2.65E-12
peak_5365	chr9	18530912	18531607	-231621	Intergenic	NM_001128338	vwa8	6.864361343	2.404637399	4.459723945	5.41E-12
peak_636	chr14	42117275	42118950	426	intron (NM_131159, intron 1 of 8)	NM_131159	ef1	9.700006047	5.240617868	4.45938818	3.38E-25
peak_5086	chr10	28513331	28513771	197246	Intergenic	NM_001020542	ints2	6.893925528	2.435112029	4.458813499	2.81E-12
peak_6474	chr17	26982310	26982797	-21523	Intergenic	NM_001077775	rps6ka1	6.658349361	2.199618821	4.45873054	6.41E-11
peak_4927	chr5	46345909	46346513	71737	intron (NM_001099990, intron 6 of 24)	NM_001099990	dapk1	7.419881702	2.961451449	4.458430253	1.83E-12
peak_15896	chr4	1746412	1747067	-46915	Intergenic	NM_200292	pwp1	8.268962398	3.810836305	4.458126093	3.48E-06
peak_16982	chr13	22143900	22144383	177833	Intergenic	NM_001145707	zswim8	7.615157346	3.157458375	4.457698971	6.97E-06
peak_4660	chr2	20073639	20073965	-167764	Intergenic	NM_001172653	agla	6.108416946	1.651329202	4.457087744	8.30E-13
peak_4464	chr5	34538523	34538942	-3835	TTS (NM_001017653)	NM_177984	lmo4a	6.792414028	2.336230704	4.456183324	4.89E-13
peak_6279	chr20	15433931	15434257	-124514	Intergenic	NM_199987	jun	6.129333309	1.673255946	4.456077363	4.41E-11
peak_3900	chr4	44950892	44951242	307270	Intergenic	NM_001128300	LOC100008037	6.049067987	1.593024686	4.456043001	7.27E-14
peak_6239	chr6	52693298	52693716	-17029	Intergenic	NM_200357	oser1	7.155993666	2.70062424	4.455369426	4.03E-11
peak_9234	chr18	30105501	30105884	-194385	Intergenic	NM_001128400	si:ch73-103b9.2	6.610433279	2.155703238	4.45473004	5.78E-09
peak_6323	chr4	24983505	24983806	12349	exon (NM_001099980, exon 3 of 21)	NM_001099980	fgd6	5.878290494	1.424574834	4.45371566	4.70E-11
peak_5073	chr25	9835499	9835808	-593494	Intergenic	NM_131385	rag2	5.939143388	1.48548354	4.453659848	2.71E-12
peak_22232	chr18	46952835	46953517	-39193	Intergenic	NM_131348	fli1a	8.493261188	4.039615517	4.453645671	0.000121
peak_10383	chr9	22460148	22460553	19018	Intergenic	NM_207642	gja3	6.705543313	2.25221264	4.453330673	2.39E-08
peak_7060	chr16	214210	214688	-62961	Intergenic	NM_205698	irx4a	7.507862045	3.054972615	4.452889429	1.95E-10
peak_11441	chr8	25026384	25026940	-38548	Intergenic	NM_001128584	adora1	7.113338473	2.6613978	4.451940673	7.72E-08
peak_2553	chr7	58434125	58434763	61967	Intergenic	NM_001076742	enosf1	9.026172128	4.574905357	4.451266771	1.93E-16
peak_12044	chr4	8960321	8960756	-6473	Intergenic	NM_001130135	adm2a	6.944718081	2.493469792	4.451248289	1.40E-07
peak_8422	chr24	1573137	1573578	114165	Intergenic	NM_001113644_4	zgc:172101	7.32343482	2.873729729	4.449705092	1.90E-09
peak_12032	chr10	9023949	9024583	-34425	Intergenic	NM_001109831	fstb	7.180655589	2.731297736	4.449357853	1.38E-07
peak_3561	chr15	25215140	25215522	-16922	Intergenic	NR_030247		7.030491515	2.581497499	4.448994016	1.95E-14
peak_8825	chr15	23312792	23313233	-16638	Intergenic	NM_212633	appbp2	7.788038	3.339222738	4.448815262	3.31E-09
peak_12526	chr24	32859692	32860519	268494	Intergenic	NM_001002229	snx7	8.014466388	3.566683969	4.447782419	2.24E-07
peak_5678	chr11	16768842	16769244	167443	Intergenic	NM_001030143	slc25a26	6.836851272	2.390017086	4.446834187	1.16E-11
peak_6843	chr10	21391960	21392280	51156	Intergenic	NM_001201442	avd	5.155821507	0.709096771	4.446724736	1.28E-10
peak_6284	chr11	45562745	45563155	-6045	Intergenic	NM_214752	irf2bp2b	7.370929672	2.925111967	4.445817705	4.43E-11
peak_7314	chr10	32782537	32782995	18717	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	7.962315705	3.517052505	4.4452632	3.13E-10
peak_5238	chr7	31659447	31659769	-42169	Intergenic	NM_001160335	serf2	5.671591134	1.226539182	4.445051952	4.13E-12
peak_876	chr14	37079801	37081390	32477	Intergenic	NM_001005983	tmem144b	10.34432593	5.900096861	4.444229064	3.57E-23
peak_7586	chr19	20936353	20936722	-7484	exon (NM_001080162, exon 11 of 11)	NM_200611	tbc1d5	6.351232103	1.907116997	4.444115105	5.01E-10
peak_7597	chr5	39927869	39928586	56985	Intergenic	NM_001089579	mink1	8.652004206	4.208355572	4.443648634	5.08E-10
peak_3138	chr14	36800678	36801082	-75039	Intergenic	NM_001077330	mrpl18	7.115251914	2.671996541	4.443255373	3.44E-15
peak_791	chr3	25572192	25572717	19783	intron (NM_213035, intron 1 of 4)	NM_213035	grb2b	9.478231849	5.035852328	4.44237952	1.02E-23
peak_4771	chr9	37395590	37395964	441188	Intergenic	NM_131690	atp1a1b	6.606589837	2.164228853	4.442360984	1.16E-12
peak_5870	chr7	34821951	34822530	30516	Intergenic	NM_001003573	paqr5b	8.867416178	4.425655361	4.441760817	1.78E-11
peak_7345	chr25	4158201	4158481	46794	Intergenic	NM_131645	fads2	4.660741649	0.219835396	4.440906254	3.29E-10
peak_9916	chr5	32374783	32375576	-20933	Intergenic	NM_001075103	ftr82	7.834824777	3.395055063	4.439769713	1.43E-08
peak_858	chr7	40401045	40402133	111516	Intergenic	NM_001243038	creb3l1	9.357865956	4.918676059	4.439189896	2.91E-23
peak_2692	chr9	24702185	24702735	3255	intron (NM_001005394, intron 1 of 3)	NM_001005394	gypc	7.334398546	2.895509525	4.438889021	4.14E-16
peak_7490	chr14	1787017	1787558	-65	promoter-TSS (NM_001024176)	NM_001024200_1	pcdh2g28	4.658131683	0.219835396	4.438296287	4.25E-10
peak_511	chr15	16040056	16041301	3116	intron (NM_001166205, intron 1 of 29)	NM_001166205	hip1	10.14284289	5.704698561	4.438144329	1.56E-26
peak_11960	chr2	26444213	26444697	-7693	intron (NM_001020477, intron 11 of 15)	NM_131022	efna2	7.152134478	2.714035977	4.438098502	1.30E-07
peak_3656	chr11	31223897	31225203	-9051	Intergenic	NM_194399	cflara	9.865428069	5.427711258	4.437716811	2.85E-14
peak_5164	chr21	33358507	33358746	-131025	exon (NM_152955, exon 8 of 14)	NM_001031838	alg13	5.655516986	1.2202869	4.435230086	3.45E-12
peak_7937	chr13	7944646	7945333	-39716	Intergenic	NM_001113797	socs5b	9.535157265	5.100439613	4.434717652	8.65E-10
peak_4415	chr13	51242300	51242808	-19253	Intergenic	NM_001002393	gpatch11	7.042735627	2.608205782	4.434529845	4.09E-13
peak_7965	chr25	13872875	13873236	34961	intron (NM_200870, intron 1 of 4)	NM_200870	znrf1	6.341488851	1.907116997	4.434371853	9.02E-10
peak_8342	chr2	26095689	26096103	53400	Intergenic	NM_001002624	cldn11a	6.685152313	2.25090355	4.434248764	1.68E-09
peak_5800	chr17	14474284	14474999	37693	intron (NM_001204257, intron 4 of 17)	NM_001204257	ppp1r13ba	8.412396875	3.978265247	4.434131628	1.50E-11
peak_6856	chr14	20192490	20192868	-111926	Intergenic	NM_001037372	ptcd3	6.38775394	1.953960462	4.433793478	1.30E-10
peak_10405	chr21	16648565	16648985	180334	Intergenic	NM_001080558	zgc:158666	6.684083644	2.25221264	4.431871004	2.46E-08
peak_666	chr20	19150861	19151997	4142	TTS (NM_001080750)	NM_001080750	sox7	10.55481291	6.123085344	4.431727567	6.17E-25
peak_2575	chr8	55620971	55621336	-16300	Intergenic	NM_131556	fgd	7.183540962	2.751848804	4.431692157	2.19E-16
peak_8605	chr6	149701	151168	26882	Intergenic	NM_001291889	bglapl	10.30511927	5.873849218	4.431270048	2.39E-09
peak_13422	chr3	30883827	30884358	155442	Intergenic	NM_001098186	suv420h2	8.519626782	4.088428683	4.431198099	5.20E-07
peak_4410	chr16	6567049	6567495	72411	Intergenic	NM_001020563	echdc1	8.116207684	3.68530101	4.430906674	4.01E-13
peak_8611	chr24	27775271	27775629	9375	Intergenic	NM_001077761	nceh1b	6.462600828	2.031824933	4.430775894	2.40E-09
peak_3233	chr16	28902102	28902566	25102	exon (NM_001080576, exon 13 of 15)	NM_001080576	esrp1	8.467354972	4.037143576	4.430211397	5.12E-15

peak_5751	chr21	24135434	24135863	-127038	Intergenic	NM_001082863	jam3b	6.84797463	2.418357528	4.429617102	1.34E-11
peak_12499	chr24	32959913	32960520	368605	Intergenic	NM_001002229	snx7	8.875501279	4.445990516	4.429510763	2.19E-07
peak_5690	chr10	39870464	39870997	-7808	Intergenic	NM_001110374	serpinh1a	7.498030055	3.068618388	4.429411667	1.18E-11
peak_3817	chr3	39275585	39276154	-21421	exon (NM_001099423, exon 3 of 15)	NM_001020480	nmt1a	7.89318586	3.467033806	4.426152054	5.33E-14
peak_7970	chr3	35727642	35728145	30972	Intergenic	NM_001080185	traf7	7.080347896	2.654458308	4.425889588	9.10E-10
peak_7410	chr16	44785308	44785778	-1959	Intergenic	NM_001008780	fli1b	7.806168021	3.38051199	4.425656031	3.72E-10
peak_3373	chr2	23099251	23099762	36455	Intergenic	NM_200272	zgc:56628	8.613140723	4.188542147	4.424598576	9.29E-15
peak_5594	chr9	46095021	46095538	33643	Intergenic	NM_001040004	retsatl	7.800847963	3.376831667	4.424016296	9.77E-12
peak_10215	chr8	55742165	55743342	30242	Intergenic	NM_001077783	zgc:152958	9.868617451	5.445393441	4.42322401	1.97E-08
peak_1343	chr16	51049135	51049691	409839	Intergenic	NM_001013336	slc25a32b	9.113422496	4.69038187	4.423040625	1.95E-20
peak_4834	chr11	13261931	13262359	50324	Intergenic	NM_213416	elovl1b	5.781828232	1.358970226	4.422858006	1.41E-12
peak_14732	chr7	35462264	35462783	31432	intron (NM_131571, intron 5 of 8)	NM_131571	smad3a	7.238708243	2.81595363	4.422754613	1.49E-06
peak_12617	chr21	20539353	20539878	-3488	Intergenic	NM_001128406	or125-8	6.974630442	2.552474647	4.422155795	2.42E-07
peak_4218	chr19	12845135	12845416	-10343	Intergenic	NM_001198891	znf706	5.769363205	1.34754194	4.421821265	2.12E-13
peak_3623	chr15	3521343	3521897	-73409	Intergenic	NM_001080055_1		8.748977192	4.327796012	4.421181181	2.52E-14
peak_5914	chr20	30628960	30629191	-7380	exon (NM_001002125, exon 14 of 19)	NM_001099991	ccr6a	5.129647348	0.709096771	4.420550577	1.94E-11
peak_9401	chr2	42040626	42041035	2933	exon (NM_001113508, exon 5 of 6)	NM_001113508	ebi3	7.524843265	3.105430074	4.419413192	7.39E-09
peak_6520	chr3	53240753	53241187	57934	exon (NM_001013537, exon 13 of 13)	NM_001013537	slc27a1a	7.328786356	2.909533545	4.419252811	7.03E-11
peak_12376	chr14	6506135	6506585	5048	3' UTR (NM_001007455, exon 6 of 6)	NM_001007455	thg1l	7.171372497	2.752141866	4.419230631	1.95E-07
peak_16173	chr3	42414421	42416244	-100314	Intergenic	NM_001109869	kdm8	8.582420998	4.165863472	4.416557526	4.20E-06
peak_10564	chr17	8218713	8219364	-66099	Intergenic	NM_130961	lft2	8.416910655	4.000806441	4.416104214	2.93E-08
peak_3186	chr11	38457889	38458884	-12676	Intergenic	NM_001040385	egfl7	8.155843994	3.740026486	4.415817508	4.14E-15
peak_5544	chr13	5296396	5296778	-50641	Intergenic	NM_131893	meis1	5.642320587	1.226539182	4.415781405	8.56E-12
peak_4663	chr4	20363314	20363658	39029	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	6.399536479	1.983794631	4.415741848	8.37E-13
peak_3803	chr6	40360013	40360406	5680	TTS (NM_001013488)	NM_001013488	ccdc174	7.089758778	2.675446544	4.414312234	5.03E-14
peak_3150	chr16	52124624	52125369	77368	Intergenic	NM_001110524	brd2b	9.213295843	4.799403024	4.413892819	3.59E-15
peak_628	chr15	28781019	28781864	-44935	Intergenic	NM_131204	serpinh1b	8.8581406	4.444741089	4.413399511	2.64E-25
peak_6660	chr4	36981167	36981566	1203107	Intergenic	NM_001114900	zgc:174708	5.122054653	0.709096771	4.412957881	9.12E-11
peak_5938	chr5	67132310	67132660	195415	Intergenic	NM_001256818	dnm1b	5.903160956	1.490687863	4.412473093	2.04E-11
peak_12209	chr21	41625835	41626245	47756	Intergenic	NM_001089339	zcchc10	6.905913677	2.493469792	4.412443885	1.64E-07
peak_9906	chr12	21964232	21964852	4098	intron (NM_001044316, intron 5 of 6)	NM_001044316	snx11	8.412985052	4.000658422	4.41232663	1.41E-08
peak_11329	chr17	46027081	46028069	51906	Intergenic	NR_029933		9.55594472	5.144737549	4.411207171	6.86E-08
peak_4349	chr9	43456911	43457295	34406	intron (NM_001004010, intron 1 of 12)	NM_001004010	calcrla	7.152907142	2.741707275	4.411199867	3.18E-13
peak_4401	chr11	453899	454257	5215	intron (NM_205631, intron 1 of 7)	NM_205631	zgc:77375	6.036020788	1.625584991	4.410435797	3.91E-13
peak_3129	chr9	35063916	35064606	3801	intron (NM_001007198, intron 2 of 6)	NM_001007198	ccdc80	7.828631443	3.418422566	4.410208877	3.33E-15
peak_5516	chr8	51114184	51114425	-4015	Intergenic	NM_183340	tp73	5.636586791	1.226539182	4.410047609	7.91E-12
peak_6063	chr20	22293000	22293405	54	promoter-TSS (NM_001024653)	NM_001024653	kdr	7.157235415	2.74753407	4.409701345	2.77E-11
peak_5568	chr19	43888447	43888782	23530	exon (NM_001110463, exon 5 of 5)	NM_001110463	plekho1a	5.481481062	1.07379276	4.407688302	9.13E-12
peak_7823	chr5	42010432	42010929	85749	intron (NM_001100033, intron 4 of 4)	NM_001100033	arl15a	7.028293788	2.62162521	4.406668578	7.24E-10
peak_9833	chr15	22612844	22613531	51539	exon (NM_001007330, exon 13 of 16)	NM_001007330	cbl	7.675910694	3.270757039	4.405153655	1.29E-08
peak_624	chr18	29435199	29436341	83561	Intergenic	NM_131844	maf	10.9180376	6.513816381	4.404221217	2.31E-25
peak_10461	chr20	15494442	15494979	-63898	Intergenic	NM_199987	jun	6.633932718	2.229879429	4.404053288	2.61E-08
peak_5577	chr16	2059234	2059573	-221818	Intergenic	NM_001013342	zgc:112964	5.768556818	1.364650599	4.403906219	9.36E-12
peak_2516	chr25	13055120	13055512	10998	intron (NM_001077743, intron 2 of 12)	NM_001126450	sept7b	6.846075989	2.442172972	4.403903017	1.61E-16
peak_10065	chr7	52833753	52834238	55043	intron (NM_001044906, intron 6 of 12)	NM_001044906	zgc:136763	7.687801867	3.284142809	4.403659057	1.67E-08
peak_3983	chr24	22166847	22167329	18201	intron (NM_001080590, intron 2 of 8)	NM_001080590	wasf3b	6.850285278	2.446692996	4.403592282	9.99E-14
peak_5761	chr21	35324929	35325230	8282	Intergenic	NM_001007217	gpr34l	5.733789597	1.330227956	4.403561641	1.38E-11
peak_4857	chr17	45577393	45577773	-3567	exon (NM_200868, exon 10 of 10)	NM_001020490	ezra	6.085556163	1.682381901	4.403174262	1.54E-12
peak_14225	chr14	51612754	51613219	-28684	intron (NM_001002038, intron 19 of 19)	NM_001079952	tnip1	8.591079122	4.188029823	4.403049299	1.00E-06
peak_11772	chr14	40311430	40311780	12269	intron (NM_001104942, intron 10 of 11)	NM_001104942	zgc:171223	4.621035413	0.219835396	4.401200017	1.07E-07
peak_3990	chr9	28663291	28663605	18793	intron (NM_001045137, intron 1 of 25)	NM_001045137	stxbp5l	6.118578189	1.717453466	4.401124724	1.02E-13
peak_9716	chr2	57465696	57466096	-83349	Intergenic	NM_001030070	gpx4b	7.798758701	3.397827886	4.400930815	1.11E-08
peak_7011	chr24	2418673	2419354	-110142	Intergenic	NM_001076711	f13a1a.1	8.473433318	4.072675577	4.400757741	1.74E-10
peak_17536	chr14	40072023	40072927	28089	Intergenic	NM_001099453	rnasel3	9.181232621	4.780917943	4.400314679	1.00E-05
peak_4616	chr4	11333192	11333459	17266	exon (NM_201169, exon 10 of 13)	NM_201169	cnot4b	5.875275397	1.475600068	4.399675329	7.45E-13
peak_6944	chr2	41944978	41945447	16946	intron (NM_182864, intron 4 of 6)	NM_182864	keap1a	6.902426009	2.503295422	4.399130587	1.54E-10
peak_10339	chr8	26312075	26312722	-37269	Intergenic	NM_001114907	kcnq2a	8.014211289	3.615942357	4.398268932	2.27E-08
peak_14287	chr25	18984286	18984758	22203	TTS (NM_205720)	NM_205720	tes	7.112721719	2.71455193	4.398169789	1.05E-06
peak_11542	chr21	8308691	8309463	3687	3' UTR (NM_001076741, exon 3 of 3)	NM_001076741	esm1	7.428998606	3.03153949	4.397459116	8.54E-08
peak_9092	chr24	41999623	41999943	252544	Intergenic	NM_001020507	smyhc1	4.881606982	0.48510786	4.396499122	4.75E-09
peak_3673	chr18	16406119	16406469	-1999	Intergenic	NM_001007290	rnf141	6.405529105	2.009097293	4.396431813	3.02E-14
peak_5838	chr11	26307397	26307824	10162	Intergenic	NM_131842	mafbb	7.511856868	3.115859384	4.395997484	1.64E-11
peak_11754	chr17	33661268	33662077	22348	Intergenic	NM_001037117	zgc:123218	6.696044874	2.300427624	4.39561725	1.03E-07
peak_5850	chr14	29237142	29237465	-134900	Intergenic	NM_200688	zgc:64189	5.848367416	1.453857079	4.394510337	1.69E-11
peak_8419	chr14	33869494	33870084	29616	intron (NM_131472, intron 12 of 29)	NM_131472	kdrl	6.207766369	1.813729373	4.394036996	1.89E-09
peak_7896	chr15	25069246	25070166	53855	Intergenic	NM_001002314	hic1	9.470433764	5.076496889	4.393936875	8.09E-10
peak_4100	chr25	18854397	18854947	-36879	3' UTR (NM_200118, exon 12 of 12)	NM_194380	dusp6	6.866612942	2.473028307	4.393584635	1.42E-13
peak_4573	chr5	24917580	24918067	6448	exon (NM_001013350, exon 3 of 3)	NM_001013350	agtr2	6.455854211	2.062639289	4.393214922	6.52E-13
peak_5053	chr13	50235178	50235446	-87483	Intergenic	NM_001030104	tsnax	5.918166654	1.525612958	4.392553696	2.55E-12
peak_4194	chr6	26508177	26508718	95531	Intergenic	NM_201474	hdlbpa	7.516314093	3.124214292	4.392099801	1.94E-13
peak_14384	chr3	31105835	31106579	-13799	Intergenic	NM_201114	coro1a	8.66623071	4.275609121	4.390621589	1.14E-06
peak_5949	chr10	7566740	7567445	106965	Intergenic	NM_001099416	st8sia4	8.341620452	3.952027523	4.389592929	2.09E-11
peak_12341	chr7	29866551	29867051	18876	intron (NM_001002327, intron 1 of 19)	NM_001002327	st5	7.844917752	3.4560643	4.388853452	1.88E-07
peak_9035	chr4	20503164	20503681	16244	intron (NM_001003870, intron 1 of 25)	NM_001003870	ppp1r12a	6.465106108	2.077505579	4.387600529	4.39E-09
peak_4425	chr5	37349104	37349529	12323	intron (NM_001002709, intron 6 of 7)	NM_001002709	ophn1	6.591810123	2.204764791	4.387045333	4.28E-13
peak_9701	chr18	18074196	18074626	9210	intron (NM_199787, intron 2 of 6)	NM_199787	n4bp1	6.542549998	2.155703238	4.386846759	1.08E-08
peak_13308	chr15	19231992	19232688	31529	Intergenic	NM_001077250	spint2	8.400183611	4.013639089	4.386544522	4.67E-07
peak_4240	chr5	23833063	23833939	2679	intron (NM_200394, intron 1 of 13)	NM_200394	mtmr8	9.060829199	4.674389993	4.386439206	2.27E-13
peak_5878	chr18	31029702	31030060	23831	intron (NM_001005399, intron 1 of 17)	NM_001005399	tcf25	5.751061931	1.364650599	4.386411332	1.79E-11
peak_4604	chr23	40866006	40866342	-55915	Intergenic	NM_199854	rnf146	6.496684491	2.11049857	4.386185921	7.28E-13
peak_14316	chr20	13333662	13334373	15958	intron (NM_001030168, intron 2 of 24)	NM_001030168	enpp1	8.36713536	3.981167126	4.385968234	1.07E-06
peak_9349	chr2	17330069	17330443	-116066	Intergenic	NM_214785	st3gal3b	4.604757454	0.219835396	4.384922058	6.85E-09
peak_1007	chr10	32261629	32262749	27222	Intergenic	NM_200398	tmem218	10.33304669	5.948338775	4.384707914	2.98E-22
peak_6111	chr6	54472643	54473162	-11158	Intergenic	NR_029981		8.201018852	3.816369388	4.384649463	3.16E-11
peak_5713	chr9	20294618	20295016	84587	Intergenic	NM_001115052	si:dkey-281i8.1	5.748610487	1.364650599	4.383959888	1.23E-11
peak_7593	chr10	22945571	22946017	-1686	Intergenic	NM_001030178	kdm6bb	6.097485434	1.713875669	4.383609766	5.04E-10
peak_12596	chr6	43568567	43569127	187242	intron (NM_001039637, intron 10 of 19)	NM_001013450	zgc:113054	7.148091856	2.765319122	4.382772734	2.38E-07
peak_4613	chr18	39649601	39650012	-4509	Intergenic	NM_212831	veph	6.278144245	1.89539212	4.382752125	7.40E-13
peak_11729	chr1	36623606	36623953	-143517	Intergenic	NM_001130767	prmt9	6.860360136	2.477959034	4.382401102	1.02E-07
peak_9511	chr21	10254287	10254909	3863	intron (NM_001017740, intron 3 of 4)	NM_001017740	rfesd	6.459870584	2.077505579	4.382365005	8.49E-09
peak_4865	chr2	35192045	35192528	95563	intron (NM_194383, intron 23 of 23)	NM_131036	tnw	6.868296594	2.486330578	4.381966016	1.57E-12
peak_9812	chr25	24522102	24522677	21540	intron (NM_001002052, intron 4 of 4)	NM_001002052	mrpl23	7.8477949	3.466083962	4.381710939	1.27E-08
peak_7851	chr7	13706888	13707736	26169	intron (NM_001081691, intron 1 of 8)	NM_001081691	sh3gl3a	9.026554061	4.644852308	4.381701753	7.47E-10
peak_5836	chr12	37465605	37465918	66752	Intergenic	NM_001278802	kcnj2a	5.744925493	1.364650599	4.380274894	1.64E-11
peak_5981	chr14	10655437	10656158	-4098	Intergenic	NM_001020648	cysltr1	8.118033576	3.737916873	4.380116703	2.25E-11
peak_6985	chr7	53832145	53832551	12520	Intergenic	NM_001144979	gnrhr2	6.371054741	1.991157761	4.379896979	1.65E-10
peak_6333	chr2	39658753	39659438	181043	Intergenic	NM_001005919	epha4a	8.766185444	4.386405404	4.37978004	4.81E-11
peak_3290	chr1	38843774	38844304	72325	intron (NM_152965, intron 5 of 7)	NM_001076736	cep44	8.122796927	3.743210268	4.379586659	6.55E-15
peak_8393	chr2	47522420	47523098	-136	promoter-TSS (NM_001145932)	NM_001145932	acsl3b	7.732841635	3.354359408	4.378482227	1.82E-09
peak_7195	chr5	22111165	22111511	8466	intron (NM_201295, intron 1 of 10)	NM_201295	coro1ca	5.868893954	1.490687863	4.378206091	2.50E-10
peak_9712	chr2	4703287	4704294	52935	Intergenic	NM_001009917	tfr1a	8.920357067	4.543456544	4.376900523	1.10E-08
peak_3367	chr19	12944361	12944834	-115	promoter-TSS (NM_001003776)	NM_001003776	ncaldb	7.180655589	2.804199707	4.376455882	9.14E-15
peak_11258	chr20	19199934	19200976	-48664	Intergenic	NM_001030220	blk	8.354341383	3.97804087	4.376300513	6.37E-08
peak_15551	chr11	26682438	26683014	67824	Intergenic	NM_001003540	otud5b	7.663793305	3.287702073	4.376091232	2.71E-06
peak_5912	chr23	2440170	2440571	5040	intron (NM_131230, intron 3 of 11)	NM_131230	tcp1	5.7403848	1.364650599	4.375734201	1.94E-11

peak_2842	chr1	54670556	54670984	90542	Intergenic	NM_130954	dla	7.611782718	3.236145249	4.375637469	9.60E-16
peak_7394	chr17	2702348	2703071	-89976	Intergenic	NM_183073	bdkrb1	8.532470507	4.157028514	4.375441993	3.57E-10
peak_3950	chr13	17242125	17242560	270993	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	6.609546086	2.234471825	4.375074261	8.65E-14
peak_11427	chr14	5818729	5819269	4194	exon (NM_001105124, exon 2 of 4)	NM_001105124	kazald2	6.989270699	2.614491267	4.374779432	7.61E-08
peak_3919	chr21	43769586	43770072	-76284	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	8.229568411	3.854977416	4.374590994	7.82E-14
peak_17511	chr11	23078316	23078979	66687	Intergenic	NM_001257192	tfeb	7.531638997	3.157458375	4.374180622	9.85E-06
peak_5541	chr8	29429452	29430114	-12008	Intergenic	NM_130972	par1	9.521306706	5.147154468	4.374152238	8.48E-12
peak_9248	chr13	44059636	44060102	30409	Intergenic	NM_001077794	dact2	8.021093054	3.647341951	4.373751103	5.88E-09
peak_6385	chr24	19625002	19625390	-134491	Intergenic	NM_001089499	zgc:162928	7.212203996	2.839053501	4.373150496	5.39E-11
peak_4257	chr13	46646355	46646642	-98616	Intergenic	NM_213133	marcksl1a	6.104569313	1.731514499	4.373054814	2.36E-13
peak_11437	chr10	29261541	29262262	-199251	Intergenic	NM_001007351	btg3	7.963989683	3.591190308	4.372799375	7.68E-08
peak_5612	chr9	27417309	27417586	280288	Intergenic	NM_131023	efnb2a	5.796189231	1.424574834	4.371614396	1.01E-11
peak_10078	chr20	13575211	13575678	-88	promoter-TSS (NM_001004548)	NM_001004548	tagapb	7.996464466	3.625206171	4.371258294	1.69E-08
peak_4421	chr22	34350032	34350742	-34552	Intergenic	NM_001037661_1	slc6a6b	8.29921527	3.928047783	4.371167486	4.22E-13
peak_10490	chr5	5159845	5160233	-39101	intron (NM_001076606, intron 3 of 4)	NM_001025168	lmx1ba	6.62233592	2.25221264	4.37012328	2.70E-08
peak_16059	chr19	36744881	36745686	-161066	Intergenic	NM_001044971	bmp8a	7.563204597	3.19338299	4.369821607	3.93E-06
peak_10136	chr8	48079783	48080606	13360	intron (NM_001004678, intron 1 of 9)	NM_001004678	adam9	8.405460483	4.036950105	4.368510378	1.81E-08
peak_11546	chr10	28177784	28178232	446395	Intergenic	NM_152948	cxadr	6.73440918	2.367686229	4.366722951	8.61E-08
peak_5275	chr15	29542461	29542779	3010	intron (NM_001113485, intron 2 of 11)	NM_001113485	nlk2	5.700702397	1.336022403	4.364679995	4.56E-12
peak_5598	chr22	13631316	13631632	-327451	Intergenic	NM_131264	ahr2	6.392734087	2.029130699	4.363603388	9.82E-12
peak_6350	chr20	33539421	33539678	-3524	intron (NM_001020564, intron 12 of 13)	NM_001271817	erh	5.854102284	1.490687863	4.363414421	5.02E-11
peak_4646	chr2	32751518	32751946	-155771	Intergenic	NM_001076570	rnf220a	6.322320227	1.959097469	4.363222758	7.94E-13
peak_1087	chr10	29046893	29047812	3124	intron (NM_212758_1, intron 1 of 1)	NM_212758_1		9.267393491	4.904606788	4.362786703	8.73E-22
peak_4792	chr14	9383019	9383463	-11673	Intergenic	NM_001161663	arhgef9b	6.650672737	2.287941081	4.362731655	1.23E-12
peak_8369	chr25	25695087	25695546	-52346	Intergenic	NM_001002089_1	tsg101a	8.277160652	3.914825131	4.36233552	1.75E-09
peak_16607	chr24	3925880	3926615	300345	Intergenic	NM_201461	klf6a	8.666673065	4.30505256	4.361620505	5.62E-06
peak_6679	chr13	2530502	2530837	-310071	Intergenic	NM_199718	fbxo9	6.804092194	2.442696888	4.361395306	9.39E-11
peak_11479	chr24	24376611	24377211	15670	exon (NM_001110467, exon 9 of 17)	NM_001110467	sgk3	7.684819328	3.323729063	4.361090266	8.08E-08
peak_4255	chr4	23799808	23800112	351683	Intergenic	NM_131211	gata3	6.07381577	1.712913447	4.360902322	2.35E-13
peak_12650	chr7	26861013	26861722	-207	promoter-TSS (NM_001257193)	NM_001257193	dysf	6.861305931	2.501824256	4.359481675	2.51E-07
peak_4453	chr13	10108009	10108487	-78205	Intergenic	NM_001145616	prepl	8.098386864	3.738997313	4.359389551	4.75E-13
peak_465	chr17	1728939	1730061	-222605	Intergenic	NM_001002412_1	zfyve19	10.99985425	6.640467254	4.359386997	4.93E-27
peak_4489	chr14	6356444	6356904	-38611	Intergenic	NM_001114586	abca1b	6.060332693	1.701283593	4.3590491	5.20E-13
peak_6143	chr21	41407261	41407746	13365	intron (NM_001020512, intron 3 of 13)	NM_001020512	dpysl3	7.432042496	3.073046393	4.358996103	3.33E-11
peak_5203	chr14	5544717	5545410	7603	intron (NM_182871, intron 2 of 4)	NM_182871	fgf24	7.860938722	3.50256065	4.358378072	3.80E-12
peak_6932	chr22	37855435	37855798	47281	exon (NM_200619, exon 26 of 26)	NM_200619	zgc:63733	5.964797345	1.606593419	4.358203926	1.50E-10
peak_14601	chr21	20507526	20508001	8295	Intergenic	NM_001002394	b9d2	7.353115955	2.994957225	4.358158731	1.35E-06
peak_6833	chr1	2844985	2845444	38345	Intergenic	NR_030045		7.155231652	2.797173329	4.358058324	1.25E-10
peak_9576	chr21	4434093	4434516	15316	intron (NM_201126, intron 5 of 14)	NM_201126	rapgef1b	7.553626822	3.19808523	4.355541592	9.28E-09
peak_6189	chr14	27481173	27481419	-6482	intron (NM_131368, intron 5 of 7)	NM_212735	syvn1	5.25841321	0.902938058	4.355475151	3.66E-11
peak_3511	chr2	489863	490300	-79803	Intergenic	NM_212920	wrnip1	6.265877638	1.910956817	4.35492082	1.59E-14
peak_4699	chr15	3906450	3906770	79532	Intergenic	NM_199855	rnf168	6.002745612	1.64814093	4.354604682	9.34E-13
peak_6099	chr12	9386929	9387439	63242	Intergenic	NM_001002613	nrbf2b	6.867920178	2.513999487	4.353920692	3.03E-11
peak_12339	chr10	28166947	28167387	435554	Intergenic	NM_152948	cxadr	7.529967598	3.176203113	4.353764485	1.87E-07
peak_6703	chr15	1259473	1259766	63527	Intergenic	NM_001037426	mfsd1	6.256705796	1.903219283	4.353486513	9.96E-11
peak_5889	chr9	30817358	30817741	112688	intron (NM_001077576, intron 7 of 13)	NM_200271	rnaseh2b	5.821748329	1.468301591	4.353446738	1.86E-11
peak_7296	chr20	2198521	2198881	-45167	Intergenic	NM_001044796	tmem244	6.124596121	1.771592457	4.353003665	3.06E-10
peak_6632	chr15	3700437	3701116	48428	Intergenic	NM_001080055	lpar6a	8.678330861	4.327759331	4.35057153	8.77E-11
peak_16489	chr21	13872008	13872719	-35360	Intergenic	NM_200784	chchd10	7.346766076	2.996787327	4.349978749	5.22E-06
peak_4048	chr14	40389820	40390213	-3724	Intergenic	NM_001008647	zgc:101583	6.35823254	2.00869534	4.3495372	1.20E-13
peak_11808	chr25	6527163	6527613	49335	Intergenic	NM_214697	psma4	8.21161512	3.862509192	4.349105928	1.10E-07
peak_6242	chr13	6270353	6270738	12421	intron (NM_001076745, intron 6 of 7)	NM_001076745	agpat5	6.610433279	2.261376544	4.349056735	4.09E-11
peak_4571	chr5	49980637	49980966	-27826	intron (NM_001130962, intron 5 of 8)	NR_029998		5.696020133	1.34754194	4.348478192	6.51E-13
peak_6773	chr23	2330591	2331095	-104487	Intergenic	NM_131230	tcp1	7.762887638	3.414604198	4.34828344	1.13E-10
peak_11583	chr23	2824945	2825869	23386	intron (NM_194407, intron 4 of 29)	NM_194407	plcg1	9.353155457	5.004914843	4.348240614	8.87E-08
peak_6130	chr1	7565076	7565330	-19634	Intergenic	NM_001077387	alkbh5	5.838389091	1.490687863	4.347701228	3.27E-11
peak_4452	chr16	6015651	6015940	-48097	intron (NM_001080653, intron 8 of 10)	NM_001077257_1	foxo1a	5.821336886	1.475018232	4.346318654	4.71E-13
peak_15333	chr6	32142249	32143205	-38886	Intergenic	NM_199579	usp1	8.576545368	4.23022801	4.346317358	2.32E-06
peak_14857	chr3	11084142	11085371	73801	Intergenic	NM_001077531	srl	9.456504216	5.110853784	4.345650431	1.63E-06
peak_6771	chr7	45682408	45682877	10180	intron (NM_001017669, intron 4 of 12)	NM_001017669	dync1li2	7.186873336	2.843128234	4.343745102	1.12E-10
peak_12247	chr18	24117833	24118221	142553	Intergenic	NR_120393		6.781040447	2.438268731	4.342771716	1.70E-07
peak_9575	chr20	51768619	51769976	-40131	Intergenic	NM_001130595	tlr5b	8.901539362	4.55882432	4.342715043	9.27E-09
peak_10569	chr2	45309739	45310229	-57246	Intergenic	NR_029925		7.786931752	3.444479384	4.342452368	2.95E-08
peak_6786	chr7	21766143	21766627	-25938	Intergenic	NM_001204179	wu:fi38e01	6.78423556	2.442696888	4.341538672	1.14E-10
peak_7283	chr22	4864415	4865872	10598	intron (NM_200332, intron 1 of 4)	NM_200332	tnfaip8l1	9.182675452	4.841140088	4.341535364	2.99E-10
peak_7292	chr10	45245587	45245939	-22133	Intergenic	NM_001020499	cetn3	6.3766375	2.035390642	4.341246858	3.04E-10
peak_8606	chr7	52979963	52980806	-91346	Intergenic	NM_001044906	zgc:136763	9.457416912	5.11661254	4.340804371	2.39E-09
peak_10789	chr1	5150414	5151383	43225	Intergenic	NM_001256242	gtf3c3	9.764866046	5.424291715	4.340574331	3.81E-08
peak_11718	chr1	15534287	15534847	-103707	Intergenic	NM_001017793	zgc:112426	6.707450247	2.367686229	4.339764018	9.96E-08
peak_7093	chr1	47213249	47213702	1959	intron (NM_214776, intron 2 of 4)	NM_214776	spryd7a	5.946333855	1.606593419	4.339740437	2.09E-10
peak_5532	chr10	7475742	7476130	50812	Intergenic	NM_001002346	hvcn1	6.738133113	2.399112603	4.33902051	8.25E-12
peak_11210	chr6	11634144	11634702	-37307	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	6.568344334	2.229879429	4.338464904	6.05E-08
peak_12397	chr14	3050606	3050987	-52623	intron (NM_001024201_1, intron 2 of 2)	NM_001256043	slc35a4	7.449682846	3.112199253	4.337483593	1.99E-07
peak_5118	chr4	24430165	24430476	-67106	Intergenic	NM_001089370	prkcq	5.841482188	1.504137039	4.337345149	3.10E-12
peak_2906	chr14	18362916	18363654	-114354	intron (NM_001166332, intron 3 of 4)	NM_175576	plp1a	9.095207625	4.75807456	4.337133065	1.33E-15
peak_2824	chr14	26043929	26044554	67984	Intergenic	NM_001007160	pde6a	6.985795484	2.649784968	4.336010516	8.66E-16
peak_8405	chr4	11913094	11913591	13163	intron (NM_212680, intron 3 of 4)	NM_212680	hmga2	7.270751483	2.935854604	4.334896879	1.85E-09
peak_9822	chr13	18864353	18865766	19192	intron (NM_001145606, intron 2 of 4)	NM_001145606	lzts2a	9.680989615	5.346376569	4.334613046	1.28E-08
peak_5163	chr15	43758197	43758720	85021	Intergenic	NM_131672	csf1ra	6.806462687	2.472579516	4.333883172	3.45E-12
peak_4662	chr10	32129557	32129871	58341	intron (NM_153654, intron 1 of 10)	NM_153654	pknox2	6.292833443	1.959097469	4.333735973	8.36E-13
peak_4474	chr12	37812303	37812881	96981	Intergenic	NM_001110465	dnai2a	8.042304092	3.708720279	4.333583813	5.00E-13
peak_7556	chr18	30513889	30514263	1808	exon (NM_001002622, exon 2 of 8)	NM_001002622	irf8	6.147161509	1.813729373	4.333432135	4.85E-10
peak_12776	chr12	18625259	18625716	45020	Intergenic	NM_001077567	eif2ak1	6.8267814	2.493469792	4.333311608	2.84E-07
peak_3123	chr18	24792247	24793111	5655	intron (NM_001103135, intron 2 of 2)	NM_001083096	fam174b	8.997451687	4.664492046	4.332959641	3.24E-15
peak_6445	chr16	12690938	12691421	146264	Intergenic	NM_131602	dedd1	6.137824888	1.805399871	4.332425017	6.07E-11
peak_699	chr2	57437544	57438726	-55588	Intergenic	NM_001030070	gpx4b	10.27340698	5.941110168	4.332296808	1.56E-24
peak_6558	chr4	14243680	14244056	-74830	Intergenic	NM_131680	nrf1	6.173362868	1.841715362	4.331647506	7.47E-11
peak_4385	chr9	43368916	43369195	122454	Intergenic	NM_001004010	calcrla	6.119861771	1.78859519	4.331266581	3.68E-13
peak_8326	chr6	55207495	55207849	-48831	Intergenic	NM_001020528	zgc:109913	6.293690814	1.963531935	4.330158878	1.65E-09
peak_4610	chr6	33708536	33709056	27282	Intergenic	NR_036574		5.94738232	1.619008811	4.328373509	7.38E-13
peak_10886	chr5	14316491	14317281	-27924	exon (NM_182888, exon 6 of 9)	NM_001003780	ypel1	7.90949505	3.581466876	4.328028174	4.36E-08
peak_11731	chr1	16247216	16247742	-21794	exon (NM_212967, exon 22 of 31)	NM_131877	casp3a	7.819878079	3.494242412	4.325635667	1.02E-07
peak_6698	chr5	17580971	17581431	-12327	Intergenic	NM_001100957	hspb8	5.931958922	1.606593419	4.325365503	9.84E-11
peak_12516	chr18	42505089	42505742	24787	intron (NM_001081628, intron 3 of 18)	NM_001081628	cdon	7.702497876	3.378325074	4.324172801	2.23E-07
peak_8214	chr17	25172939	25173175	-719	promoter-TSS (NM_001001596)	NM_001001596	lck	4.543742525	0.219835396	4.32390713	1.37E-09
peak_7720	chr3	46928801	46929270	-73423	Intergenic	NM_131449	elavl3	7.039062426	2.715821494	4.323240933	6.24E-10
peak_7665	chr8	33535854	33536365	117147	Intergenic	NM_001123324	zgc:194839	7.152125461	2.829697058	4.322428402	5.70E-10
peak_4807	chr18	47531448	47531826	-6384	Intergenic	NM_001171776	bmp16	5.669432795	1.34754194	4.321890855	1.27E-12
peak_7095	chr1	18113304	18113978	31056	intron (NM_001114686, intron 2 of 6)	NM_001114686	rbm47	8.834824777	4.51354552	4.321279256	2.10E-10
peak_1766	chr24	38196381	38196938	-18820	Intergenic	NM_001002675	ccr10	8.574931948	4.253932256	4.320999692	9.61E-19
peak_7741	chr6	19817383	19817882	-63492	Intergenic	NM_001083008	zgc:158654	7.289604978	2.968725266	4.320879713	6.42E-10
peak_13801	chr12	22960616	22961013	-78895	Intergenic	NM_001020680	mrpl27	7.181421969	2.861323441	4.320098528	7.08E-07
peak_7183	chr6	40089161	40089517	-59954	Intergenic	NM_001002389	zgc:92046	6.338759228	2.019537944	4.319221284	2.45E-10
peak_6167	chr4	37831524	37831799	352812	Intergenic	NM_001114900	zgc:174708	5.221696597	0.902938058	4.318758539	3.52E-11
peak_7113	chr5	28079238	28079714	58326	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	7.769268311	3.450648042	4.318620269	2.16E-10

peak_7152	chr16	34571439	34571739	19099	exon (NM_001083022, exon 6 of 12)	NM_001083022	klhl32	6.031322327	1.713875669	4.317446659	2.28E-10
peak_12276	chr3	1927839	1928587	4698	intron (NM_200290, intron 5 of 6)	NM_200290	nol12	7.675050326	3.357854446	4.31719588	1.75E-07
peak_7229	chr3	39233809	39234255	20416	3' UTR (NM_001020480, exon 12 of 12)	NM_001020480	nmt1a	7.514511613	3.197897143	4.31661447	2.71E-10
peak_547	chr23	13689877	13690654	-25943	Intergenic	NR_030650		9.807782216	5.491431216	4.316350999	4.43E-26
peak_6431	chr5	32188622	32188926	-14439	exon (NM_001077383, exon 8 of 15)	NM_201073	h2afx	5.806462687	1.490687863	4.315774824	5.88E-11
peak_7710	chr19	21771131	21771608	-119637	Intergenic	NM_001042746	tshz1	6.739767779	2.424306676	4.315461103	6.12E-10
peak_14787	chr4	2972362	2972753	-156220	Intergenic	NM_213494	aebp2	7.030827821	2.716259194	4.314568627	1.56E-06
peak_7843	chr3	31998156	31999002	17616	Intergenic	NM_001109833	zgc:171779	8.128705026	3.815155744	4.313549282	7.41E-10
peak_4386	chr22	5073332	5073834	-45720	Intergenic	NM_001118891	s1pr4	7.862062122	3.548631827	4.313430294	3.68E-13
peak_7488	chr17	52085401	52085865	-67886	Intergenic	NM_001012488	zgc:113142	7.286228426	2.972812975	4.313415451	4.24E-10
peak_14639	chr13	36496423	36496907	-44800	Intergenic	NM_214759	lgmn	7.029630774	2.716259194	4.313371579	1.39E-06
peak_11327	chr20	149156	151646	17943	intron (NM_001080028, intron 3 of 6)	NM_001080028	slc16a10	9.848726514	5.535556329	4.313170184	6.86E-08
peak_6971	chr16	57990315	57991037	2804	intron (NM_200561_2, intron 2 of 10)	NM_200561_2	fzd6	8.78713955	4.474020937	4.313118613	1.62E-10
peak_9044	chr5	68730872	68731407	40309	intron (NM_131302, intron 5 of 33)	NM_131302	notch1b	7.557373553	3.244285025	4.313088529	4.48E-09
peak_10675	chr2	38174657	38175357	98976	Intergenic	NM_131151	psmb5	8.250638086	3.937772817	4.312865269	3.39E-08
peak_10913	chr20	7852922	7853980	91384	Intergenic	NM_001244756	bloc1s2	9.695330801	5.384351759	4.310979042	4.48E-08
peak_13116	chr24	30175780	30176337	-102703	Intergenic	NM_001163988	prmt6	7.79449516	3.483872538	4.310622622	3.94E-07
peak_7873	chr6	45421732	45422781	-8199	Intergenic	NM_001080051	cntn4	8.841555674	4.531008844	4.31054683	7.75E-10
peak_8663	chr24	39353890	39354370	531	TTS (NM_001007426_1)	NM_001007426_1	ccpg1	7.22302167	2.913533013	4.309488657	2.55E-09
peak_10214	chr2	27495465	27496021	17112	intron (NM_001110476, intron 2 of 10)	NM_001110476	tesk2	6.672656521	2.364854808	4.307801713	1.97E-08
peak_12451	chr7	54084686	54085180	-71375	Intergenic	NM_214816	tcf12	6.739574049	2.431948405	4.307625644	2.10E-07
peak_8382	chr11	46411609	46412025	5125	intron (NM_001002705, intron 12 of 14)	NM_001002644	notum1b	6.213999422	1.907116997	4.306882425	1.79E-09
peak_4801	chr15	38284621	38284941	-71128	Intergenic	NM_131633	robo2	6.438662468	2.132584471	4.306077997	1.26E-12
peak_8626	chr15	27734127	27734537	16611	intron (NM_200251, intron 4 of 4)	NM_200251	slc43a2a	6.513188362	2.207311612	4.305876749	2.44E-09
peak_15639	chr21	27651026	27651659	84029	intron (NM_001079970, intron 1 of 23)	NM_001079970	nrxn2a	7.936738333	3.630894177	4.305844156	2.89E-06
peak_5207	chr20	31686826	31687480	-163945	Intergenic	NM_001044819	sash1a	7.675581843	3.370321208	4.305260635	3.82E-12
peak_10505	chr18	366182	366676	-11301	Intergenic	NM_199903_1	larp6	7.41833268	3.114277673	4.304055006	2.73E-08
peak_16574	chr11	35449989	35450651	24301	intron (NM_001080079, intron 1 of 9)	NM_001080079	mapkapk3	7.257120262	2.953659189	4.303461074	5.50E-06
peak_5373	chr23	32079468	32079773	25549	Intergenic	NM_131266	cmyb	5.743260748	1.439815212	4.303445536	5.48E-12
peak_13417	chr25	13931992	13932399	1982	intron (NM_200833, intron 1 of 5)	NM_200833	snrkb	6.855431977	2.552474647	4.302957331	5.17E-07
peak_5462	chr18	27770525	27770825	89395	Intergenic	NM_001002439	tspan18b	5.899850742	1.596973593	4.302877149	7.03E-12
peak_6135	chr22	20643260	20643616	-15455	exon (NM_001172683, exon 15 of 21)	NM_212580	mbd3b	6.425421854	2.122561881	4.302859973	3.29E-11
peak_6628	chr7	30385039	30385699	3974	intron (NM_001077746, intron 2 of 3)	NM_001077746	gfod2	8.317710828	4.014880505	4.302830323	8.68E-11
peak_11865	chr5	50040463	50040969	2220	intron (NM_001130962, intron 1 of 8)	NM_001130962	mef2cb	7.069566386	2.767464757	4.302101629	1.17E-07
peak_2294	chr10	27723859	27725506	-6931	intron (NM_001004578, intron 2 of 4)	NM_152948	cxadr	9.631528319	5.329490267	4.302038052	4.62E-17
peak_1367	chr5	74793264	74795041	40666	Intergenic	NM_001003993	ak1	11.15114366	6.849264541	4.301879114	2.66E-20
peak_3035	chr21	11948940	11949307	4352	intron (NM_001128783, intron 1 of 8)	NM_001128783	npdc1a	6.839157386	2.537434667	4.301722719	2.35E-15
peak_9752	chr7	58130862	58131686	-32712	Intergenic	NM_001077165	senp8	8.947432052	4.645848108	4.301583944	1.16E-08
peak_405	chr7	60577709	60578772	-9139	Intergenic	NM_001042686	hspa12b	9.789250247	5.488650575	4.300599672	5.93E-28
peak_10903	chr23	27949792	27950146	5574	intron (NM_198874, intron 1 of 15)	NM_198874	lmbr1l	6.552449272	2.25221264	4.300236633	4.43E-08
peak_8561	chr21	43780683	43781552	-87572	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	7.688127945	3.388286141	4.299841803	2.25E-09
peak_6809	chr10	7945059	7945410	-53471	Intergenic	NM_201085	hmgcs1	5.202683352	0.902938058	4.299745293	1.21E-10
peak_16918	chr14	49403097	49403800	57001	Intergenic	NM_001113582	anxa5a	7.29620275	2.996787327	4.299415423	6.74E-06
peak_11572	chr15	44727155	44727538	-16339	Intergenic	NM_001045459	fgf12b	6.868495741	2.56931064	4.299185101	8.80E-08
peak_6307	chr25	7646302	7647464	19559	Intergenic	NM_001089334	hmg20a	9.345174229	5.046041426	4.299132803	4.59E-11
peak_2440	chr17	5700842	5701400	25108	Intergenic	NR_030085		9.369864759	5.071014638	4.298850121	1.11E-16
peak_19774	chr1	51948148	51948933	32180	Intergenic	NM_213499	actr2a	8.250561686	3.952013986	4.2985477	3.60E-05
peak_6826	chr15	26591109	26591865	-121799	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	7.754545513	3.456482015	4.298063498	1.24E-10
peak_1853	chr14	30734036	30734534	-64647	Intergenic	NM_001042718	pdlim3b	7.866701645	3.568716186	4.29798546	1.90E-18
peak_12479	chr22	13139056	13139701	42907	intron (NM_001024816, intron 2 of 10)	NM_001024816	ahr1b	7.157697427	2.859779582	4.297917845	2.15E-07
peak_12260	chr7	12147191	12147795	54420	Intergenic	NM_001080704	mesdc2	7.802320384	3.504833176	4.297487208	1.72E-07
peak_6297	chr11	27692184	27692684	-57265	Intergenic	NM_001045307	acad9	8.571060553	4.273752542	4.29730801	4.52E-11
peak_4290	chr16	22029556	22030113	-51822	Intergenic	NM_200816	hdac9b	7.064783134	2.767992184	4.29679095	2.62E-13
peak_8062	chr21	33088695	33089172	3327	exon (NM_001017769, exon 3 of 5)	NM_001017769	hmgb3b	6.741436557	2.444884336	4.296552222	1.07E-09
peak_5708	chr22	10852103	10852517	10119	exon (NM_213438, exon 11 of 17)	NM_213438	sass6	6.707041707	2.410609756	4.296431951	1.22E-11
peak_15288	chr5	46439261	46439707	8716	intron (NM_001004008, intron 5 of 6)	NM_001004008	fbp2	7.055557246	2.759764517	4.295792728	2.24E-06
peak_9499	chr20	6664191	6664661	24271	Intergenic	NM_001171033	si:ch211-191a24.	6.91051123	2.614927115	4.295584116	8.35E-09
peak_12848	chr20	2096118	2096771	-50044	Intergenic	NM_001245964	l3mbtl3	7.835311813	3.540068206	4.295243607	3.01E-07
peak_1321	chr6	54045222	54045854	36026	Intergenic	NM_001077299	tusc2a	7.954959528	3.65975452	4.295205008	1.56E-20
peak_1618	chr6	56204967	56205473	85843	Intergenic	NM_001008576_1	tfap2c	8.184754827	3.889841946	4.294912881	2.98E-19
peak_14997	chr13	47662762	47663187	199369	Intergenic	NM_001135791	bcl2l11	7.010951263	2.716259194	4.294692068	1.80E-06
peak_8764	chr2	12707260	12707593	-282265	Intergenic	NM_001115122	dpp6	6.244254752	1.950187435	4.294067317	2.99E-09
peak_10541	chr21	29597274	29597695	39811	Intergenic	NM_001080580	zgc:158225	7.304039413	3.010399699	4.293639714	2.85E-08
peak_6300	chr11	22252613	22252916	-15523	intron (NM_001048235, intron 19 of 22)	NM_001002751	ikbke	5.347726979	1.054120914	4.293606065	4.53E-11
peak_15898	chr13	38827106	38827515	203851	Intergenic	NR_120381		7.156927325	2.863331038	4.293596287	3.49E-06
peak_3491	chr20	20037368	20038061	-106621	exon (NM_001276280, exon 12 of 12)	NM_212570	ptk2bb	7.27886056	2.985749226	4.293111334	1.46E-14
peak_8656	chr23	11444584	11445133	-35538	Intergenic	NM_001163106	chl1a	9.169037904	4.877535833	4.291502072	2.53E-09
peak_8800	chr23	2826656	2827114	24864	intron (NM_194407, intron 5 of 29)	NM_194407	plcg1	6.99500014	2.705108687	4.289891454	3.17E-09
peak_1733	chr4	59444537	59445284	35137	exon (NM_001002870, exon 7 of 18)	NM_001002870	trim24	9.822659883	5.534122384	4.288537499	7.84E-19
peak_7489	chr12	27196196	27196981	-56929	Intergenic	NM_001128734	six2b	9.862852548	5.574415079	4.28843747	4.24E-10
peak_14068	chr8	21824005	21824380	31982	intron (NM_001128269, intron 6 of 7)	NM_001128269	itpr3	6.896891177	2.609160782	4.287730395	8.94E-07
peak_5453	chr11	28187436	28187770	115169	Intergenic	NM_001002171_1	hdac11	6.092983249	1.805399871	4.287583378	6.84E-12
peak_8620	chr7	43912937	43913631	23432	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	8.035281378	3.748605762	4.286675615	2.43E-09
peak_8401	chr14	33392581	33392887	91801	Intergenic	NM_182868	f9a	6.193665276	1.907116997	4.286548279	1.84E-09
peak_7964	chr8	16179181	16179428	331569	intron (NM_001017754, intron 4 of 4)	NM_001017754	agbl4	5.651148601	1.364650599	4.286498002	9.01E-10
peak_9754	chr1	51336327	51336655	10991	intron (NM_001099240, intron 5 of 19)	NM_001099240	zgc:154142	6.363315463	2.077505579	4.285809884	1.17E-08
peak_4567	chr20	6765412	6765766	125434	Intergenic	NM_001171033	si:ch211-191a24.	6.077401652	1.792814747	4.284586905	6.48E-13
peak_7580	chr7	37023434	37023823	-52874	Intergenic	NM_001023575	irx6a	6.130902821	1.846475529	4.284427291	4.97E-10
peak_7787	chr23	8215510	8215945	-71117	Intergenic	NM_001030258	LOC571123	7.27544218	2.99136121	4.28408097	6.79E-10
peak_12778	chr7	31350811	31351188	21602	Intergenic	NM_130964	isl2b	6.715434746	2.431948405	4.283486341	2.84E-07
peak_2519	chr13	49461310	49461702	-58909	Intergenic	NM_182860	msh6	7.469841165	3.186421662	4.283419503	1.65E-16
peak_6433	chr14	33495436	33495863	-123672	Intergenic	NM_001039135	inppl1b	6.092983249	1.809570633	4.283412615	5.91E-11
peak_6331	chr18	25358832	25359216	29448	Intergenic	NM_001103120	pex11a	6.32012056	2.038947559	4.281173001	4.80E-11
peak_6910	chr7	37253722	37253973	-88904	Intergenic	NM_001045227	irx5a	5.887604564	1.606593419	4.281011146	1.44E-10
peak_8247	chr19	30982123	30983048	-60919	Intergenic	NM_213223	marcksl1b	9.117554065	4.83748327	4.280070796	1.45E-09
peak_1047	chr14	36387880	36388432	-139232	Intergenic	NM_001003412	clint1a	8.052477072	3.772496078	4.279980993	5.42E-22
peak_17349	chr11	19297201	19297871	4079	intron (NM_001007063, intron 1 of 21)	NM_001007063	magi1b	7.556556277	3.277493019	4.279063258	8.80E-06
peak_7654	chr9	14215854	14216152	169077	Intergenic	NM_001040366	prkag3b	5.884236707	1.606593419	4.277643288	5.59E-10
peak_8438	chr1	18698310	18699155	-111438	Intergenic	NM_205685	grhprb	8.109194796	3.831905939	4.277288857	1.93E-09
peak_13602	chr8	20898440	20898957	20070	intron (NM_001123274, intron 6 of 23)	NM_001123274	adamts10	7.865953381	3.588676408	4.277276974	6.05E-07
peak_3951	chr16	21040753	21041168	54057	intron (NM_001098779, intron 9 of 9)	NM_001098779	rapgef5b	7.849612648	3.572441025	4.277171623	8.73E-14
peak_13089	chr14	25726776	25727198	33810	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	6.770571942	2.493469792	4.27710215	3.85E-07
peak_1369	chr12	37483761	37485049	66410	Intergenic	NM_131724	map2k6	10.0298064	5.752809862	4.276996537	2.86E-20
peak_6663	chr1	9816580	9816988	-57	promoter-TSS (NM_001082892)	NM_001082892	zgc:174945	7.111431766	2.834967226	4.27646454	9.17E-11
peak_654	chr18	46661968	46663295	42133	Intergenic	NM_001037706	smtla	10.54243723	6.266359405	4.276077822	5.14E-25
peak_5361	chr1	14185338	14185699	200090	Intergenic	NM_001045485	pi4k2b	6.417425189	2.141625129	4.27580006	5.38E-12
peak_6233	chr25	13336801	13337185	-18482	Intergenic	NM_001122702	LOC569861	6.019489019	1.743846573	4.275642446	3.97E-11
peak_6647	chr24	9395037	9395312	-17966	Intergenic	NM_001202441	nphp3	5.699010492	1.424574834	4.274435657	8.93E-11
peak_4475	chr20	29874952	29875337	15154	intron (NM_001002727, intron 1 of 7)	NM_001002727	rnf144ab	5.970067928	1.6959635	4.274104428	5.01E-13
peak_10976	chr11	41898599	41899321	-3911	Intergenic	NM_001080674	trim62	7.95337409	3.679865636	4.273508454	4.75E-08
peak_19858	chr9	32139524	32140512	1575	exon (NM_001099241, exon 2 of 2)	NM_001099241	gpr183	7.674069239	3.401656788	4.272412451	3.78E-05
peak_9161	chr13	2104066	2104720	12140	intron (NM_001288658, intron 7 of 10)	NM_001288658	zgc:152986	7.343926892	3.072369437	4.271557455	5.21E-09
peak_1036	chr5	259775	261051	-9908	Intergenic	NM_214750	rnf170	9.659814655	5.388447139	4.271367516	4.40E-22
peak_6961	chr12	3340891	3341404	37929	Intergenic	NM_001030265	ubtd1b	5.877894867	1.606593419	4.271301448	1.59E-10
peak_10011	chr12	32757799	32758142	32318	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	6.348806386	2.077505579	4.271300807	1.59E-08

peak_12055	chr9	29659384	29660093	-62488	Intergenic	NM_001044782	zgc:162396	7.752603866	3.481722455	4.27088141	1.41E-07
peak_5173	chr20	44218849	44219441	-24165	Intergenic	NM_212897_1	clic5b	8.466104827	4.195482591	4.270622236	3.55E-12
peak_8803	chr18	11913117	11913900	-137506	TTS (NM_001099985)	NM_198372	fam107b	7.47318587	3.203294714	4.269891156	3.18E-09
peak_4468	chr20	2163714	2164363	-10504	exon (NM_001245964, exon 3 of 15)	NM_001044796	tmem244	8.744355697	4.475151149	4.269204548	4.95E-13
peak_6729	chr23	23431400	23431710	42004	intron (NM_001003830, intron 16 of 18)	NM_001003830	noc2l	6.340659428	2.071700421	4.268959007	1.05E-10
peak_6572	chr18	36722007	36722613	-3959	Intergenic	NM_131111	lmo2	9.373992967	5.105354853	4.268638114	7.69E-11
peak_6378	chr9	12889084	12889518	-18327	Intergenic	NM_201197	tra2b	6.961791822	2.693871325	4.267920497	5.30E-11
peak_4004	chr5	2483638	2484210	4821	intron (NM_001205026, intron 2 of 2)	NM_001205026	gng10	7.726511123	3.459123156	4.267387968	1.07E-13
peak_11455	chr7	35420763	35421401	-15232	Intergenic	NM_001114317	map2k5	8.932406375	4.66603854	4.266367835	7.86E-08
peak_11970	chr8	34815000	34815626	90993	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	6.84126809	2.575058095	4.266209995	1.31E-07
peak_14148	chr17	14952734	14953819	37206	Intergenic	NM_001136255	gch1	9.200717793	4.934831476	4.265886316	9.47E-07
peak_6306	chr12	32435357	32435622	-10429	Intergenic	NM_001003545	entpd1	6.04105741	1.775861963	4.265195448	4.59E-11
peak_5082	chr3	52191915	52192217	8442	intron (NM_213256, intron 1 of 14)	NM_213256	ttyh2l	5.745335402	1.480260375	4.265075027	2.79E-12
peak_10631	chr9	35222784	35223263	8472	exon (NM_001089356, exon 13 of 16)	NM_001089356	me3	7.292981826	3.027964239	4.265017587	3.23E-08
peak_12122	chr5	58213974	58214764	119562	Intergenic	NM_001007340	ppm1db	7.728689453	3.463826096	4.264863357	1.51E-07
peak_13651	chr15	46647504	46648111	-40195	Intergenic	NM_205646	zgc:77147	7.778527648	3.513873472	4.264654176	6.31E-07
peak_5720	chr18	16652331	16652658	7730	exon (NM_214795, exon 7 of 12)	NM_214795	tph2	5.953092428	1.688580643	4.264511785	1.25E-11
peak_9669	chr2	3903676	3904080	6319	intron (NM_001076628, intron 4 of 5)	NM_001076628	jmjd4	7.275166609	3.011300961	4.263865648	1.04E-08
peak_4166	chr3	31724301	31725030	-12915	Intergenic	NM_200658	ccdc43	7.593766192	3.329904124	4.263862068	1.75E-13
peak_5139	chr7	34185572	34185896	-17973	exon (NM_001079983, exon 12 of 19)	NM_001128821	slc17a6b	5.860549344	1.596973593	4.263575751	3.27E-12
peak_12211	chr8	47346925	47347554	-99087	Intergenic	NM_213457	chmp4b	6.631039011	2.367686229	4.263352782	1.65E-07
peak_7629	chr10	10006620	10006957	288662	Intergenic	NR_029938		6.386966027	2.123828324	4.263137703	5.36E-10
peak_5291	chr8	43343104	43343367	22639	intron (NM_001126472, intron 1 of 7)	NM_001126472	olfml2a	5.470585103	1.207700457	4.262884646	4.68E-12
peak_1634	chr23	5942032	5942528	-109009	Intergenic	NM_205567	csrp1a	7.352704633	3.090112618	4.262592014	3.57E-19
peak_4163	chr24	3231026	3231338	-3818	Intergenic	NM_213135	cyb5a	5.931598757	1.669236031	4.262362726	1.72E-13
peak_9045	chr11	35722494	35723183	32924	intron (NM_001001818, intron 1 of 8)	NM_001001818	gnai2a	8.445133403	4.183460785	4.261672618	4.48E-09
peak_5605	chr17	30602475	30602731	-22450	Intergenic	NM_001003547	itsn2b	5.381407785	1.120232971	4.261174814	9.99E-12
peak_8332	chr1	8191561	8191797	7834	Intergenic	NM_001003418	ndufab1a	4.950982294	0.691124799	4.259857495	1.66E-09
peak_10822	chr4	35871002	35873184	-308232	Intergenic	NM_001135989_1	zgc:174690	9.344324939	5.084534661	4.259790278	3.97E-08
peak_7808	chr5	22644992	22645281	17696	intron (NM_001002651, intron 15 of 15)	NM_198374	pik3ip1	6.031322327	1.771592457	4.259729871	7.03E-10
peak_2098	chr6	37613296	37614281	10227	intron (NM_212759, intron 1 of 30)	NM_212759	cyfip1	9.489862105	5.230410532	4.259451573	1.15E-17
peak_4262	chr11	7556025	7556636	42	promoter-TSS (NM_213367)	NM_213367	eltd1	7.621994626	3.362604611	4.259390015	2.38E-13
peak_5351	chr9	45432756	45433553	-64143	Intergenic	NM_001002538	ppp1r1c	9.539482379	5.280614342	4.258868037	5.28E-12
peak_2560	chr17	33655190	33655894	16218	Intergenic	NM_001037117	zgc:123218	8.946050816	4.687434523	4.258616293	2.01E-16
peak_6808	chr11	44248372	44248684	-19361	Intergenic	NM_212914	foxg1b	5.453598309	1.19500324	4.258595069	1.20E-10
peak_3806	chr6	59890686	59891983	47319	Intergenic	NM_199817	tgds	9.457722318	5.199719782	4.258002535	5.11E-14
peak_4589	chr2	19471043	19471495	-7295	Intergenic	NM_181559	glula	7.5742332	3.317063706	4.257169494	6.80E-13
peak_8156	chr5	41395030	41395294	16346	intron (NM_199829, intron 2 of 14)	NM_199829	rasgef1ba	6.070875222	1.813729373	4.257145849	1.23E-09
peak_6313	chr25	20014146	20014921	1444	intron (NM_200181, intron 1 of 10)	NM_200181	sh3gl3b	7.676011932	3.419521241	4.256490691	4.64E-11
peak_10658	chr9	47459542	47460393	156564	Intergenic	NM_131069	cx43.4	7.725063136	3.468723696	4.25633944	3.34E-08
peak_4231	chr12	36517047	36517582	-85402	Intergenic	NM_001256248	tbccl	9.027989179	4.771714461	4.256274718	2.19E-13
peak_2865	chr17	8101578	8102101	31	promoter-TSS (NM_001077561)	NM_001077561	ahi1	8.391952708	4.135819648	4.256133061	1.09E-15
peak_6943	chr13	25312775	25313029	109090	intron (NM_001272084, intron 4 of 10)	NM_001272084	adka	4.902426009	0.646338197	4.256087811	1.53E-10
peak_8061	chr14	34671334	34671644	-26775	Intergenic	NM_001166124	apln	6.027619915	1.771592457	4.256027458	1.07E-09
peak_7071	chr12	34229870	34230288	-121129	Intergenic	NM_001256805	LOC557756	7.04037973	2.78451592	4.255863811	1.99E-10
peak_10771	chr7	53908979	53909677	89500	Intergenic	NM_001144979	gnrhr2	8.478079511	4.222468302	4.255611209	3.75E-08
peak_4084	chr21	31167470	31167820	36251	exon (NM_001033921, exon 13 of 19)	NM_001033921	gfpt2	6.62233592	2.367074716	4.255261204	1.35E-13
peak_12240	chr4	10115201	10115807	2543	exon (NM_001045057, exon 4 of 12)	NM_001045057	mettl25	7.970418617	3.715485886	4.254932731	1.69E-07
peak_15417	chr11	37286887	37287398	36896	Intergenic	NM_001004590	cyb561d1	7.02185951	2.766967388	4.254892123	2.45E-06
peak_8549	chr24	34808364	34808661	111752	Intergenic	NM_001008621	zgc:101800	6.118261731	1.863651775	4.254609956	2.22E-09
peak_5667	chr22	5029483	5030027	-1892	Intergenic	NM_001118891	s1pr4	7.50228763	3.248581151	4.253706479	1.13E-11
peak_9461	chr3	40557904	40558434	-13060	Intergenic	NM_001076560	fscn1a	7.524723878	3.272103593	4.252620285	7.97E-09
peak_11160	chr5	45312028	45312483	-10743	Intergenic	NM_001126415	si:dkey-40c11.1	6.481727091	2.229879429	4.251847662	5.84E-08
peak_6685	chr18	43935699	43936449	95063	Intergenic	NM_001039634	wt1b	8.288194939	4.037079937	4.251115001	9.56E-11
peak_7868	chr9	16149134	16149400	-329169	Intergenic	NM_200144	upp2	6.022536079	1.771592457	4.250943622	7.67E-10
peak_10487	chr25	20280514	20280857	56575	Intergenic	NM_001004622	zgc:101783	6.636794854	2.386807682	4.249987172	2.69E-08
peak_15715	chr11	33241698	33242651	293327	Intergenic	NM_001160822	pcdh17	8.591421158	4.341462589	4.249958569	3.09E-06
peak_7956	chr15	26682801	26683308	-30232	intron (NM_200622, intron 23 of 24)	NM_131051	tbx2b	7.563095124	3.31386264	4.249232485	8.88E-10
peak_16157	chr20	14617972	14618562	-22652	Intergenic	NM_001030116	scrn2	8.192317337	3.94332572	4.248991617	4.16E-06
peak_7107	chr19	35426348	35427028	16	promoter-TSS (NM_213091)	NM_213091	elmo1	8.708668611	4.460109685	4.248558926	2.14E-10
peak_7484	chr24	312585	313292	36278	intron (NM_001013328, intron 2 of 4)	NM_001020572	impa2	8.999211804	4.750817016	4.248394788	4.21E-10
peak_5817	chr10	736128	736828	-59036	Intergenic	NM_001080607	glis3	8.33364114	4.085610409	4.24803073	1.57E-11
peak_1502	chr20	46408286	46409041	23857	Intergenic	NM_131360	bmp2b	9.44051736	5.192847896	4.247669464	1.17E-19
peak_8600	chr1	38840447	38840961	68990	intron (NM_152965, intron 5 of 7)	NM_001076736	cep44	7.096058585	2.849218836	4.246839749	2.37E-09
peak_3666	chr16	35973589	35974284	-9719	Intergenic	NM_199998	utp11l	9.539605721	5.293227298	4.246378423	2.96E-14
peak_5112	chr6	34648186	34648703	45586	Intergenic	NM_001076659	uhmk1	7.98659609	3.740982778	4.245613312	3.01E-12
peak_6583	chr13	7842820	7843106	-33208	Intergenic	NM_001039806	epas1b	5.148401839	0.902938058	4.24546378	7.89E-11
peak_15504	chr13	17270402	17271149	242560	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	7.012163903	2.766967388	4.245196515	2.62E-06
peak_7189	chr16	13746937	13747303	-10801	Intergenic	NM_214755	usp5	5.609771218	1.364650599	4.24512062	2.48E-10
peak_6500	chr4	28843519	28844001	538614	Intergenic	NM_001113341	si:dkey-13e3.1	6.733570957	2.489120913	4.244450044	6.74E-11
peak_12646	chr16	869210	870177	49043	Intergenic	NM_207185	irx1a	9.062649061	4.818660648	4.243988413	2.49E-07
peak_7110	chr21	41386364	41386748	34312	exon (NM_001020512, exon 12 of 14)	NM_001020512	dpysl3	5.811560692	1.567723154	4.243837538	2.16E-10
peak_13162	chr24	43640370	43641042	58596	Intergenic	NM_001003987	epb41l3a	7.866136361	3.622621282	4.243515078	4.11E-07
peak_4909	chr13	21758503	21758780	31945	Intergenic	NM_001045412	tspan14	5.660741649	1.41740675	4.243334899	1.76E-12
peak_8773	chr9	12186316	12186600	123960	exon (NM_001122701, exon 3 of 4)	NM_001122701	znf804a	6.149021604	1.907116997	4.241904606	3.03E-09
peak_6513	chr15	24542375	24542942	-35758	Intergenic	NM_001007458	vps53	7.809515485	3.568103823	4.241411662	6.90E-11
peak_9330	chr20	15531969	15533065	-26091	Intergenic	NM_199987	jun	8.825573238	4.584534048	4.24103919	6.64E-09
peak_5843	chr25	11640582	11641683	-247676	Intergenic	NM_001265607	mespbb	9.098224073	4.858080658	4.240143416	1.66E-11
peak_754	chr6	58209134	58210243	-154414	Intergenic	NM_212908	tox2	10.31241869	6.072414552	4.24000414	4.52E-24
peak_9386	chr20	40607122	40608257	-88750	Intergenic	NM_131867	hsf2	9.450978711	5.211329708	4.239649003	7.21E-09
peak_7609	chr7	55458307	55458666	110975	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	5.953092428	1.713875669	4.239216759	5.17E-10
peak_7689	chr24	2022575	2023430	-203714	Intergenic	NM_212616	zgc:85789	7.488858029	3.249868052	4.238989977	5.86E-10
peak_4709	chr20	33099619	33099991	113975	exon (NM_001044807, exon 28 of 53)	NM_001044807	nbas	6.509786448	2.271189967	4.238596481	9.54E-13
peak_5410	chr15	14724808	14725753	-79992	Intergenic	NM_001077141	tada2a	9.834918265	5.59697812	4.237940144	6.12E-12
peak_3676	chr22	17208399	17208763	10866	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	6.50545116	2.268007987	4.237443174	3.05E-14
peak_875	chr17	31438678	31439254	-18942	Intergenic	NM_201491	ivd	9.027022642	4.790525065	4.236497576	3.54E-23
peak_6310	chr6	16171858	16172169	151999	Intergenic	NM_001002395	faimb	5.659002196	1.424574834	4.234427362	4.63E-11
peak_19768	chr25	5606072	5606816	13026	Intergenic	NM_001258409	cmasb	7.987712436	3.753302926	4.23440951	3.59E-05
peak_3565	chr8	10881546	10882179	32798	Intergenic	NM_001077391	zgc:153997	7.61269475	3.378732618	4.233962132	1.97E-14
peak_4767	chr15	13071594	13072171	12358	Intergenic	NM_001077625	il10ra	7.467724008	3.234614013	4.233109995	1.15E-12
peak_14545	chr2	2437175	2438549	25479	Intergenic	NM_200751	rpe65a	7.903890173	3.670863061	4.233027112	1.29E-06
peak_8205	chr25	31622407	31622790	172351	Intergenic	NM_001020632	banp	6.046741819	1.813729373	4.233012446	1.35E-09
peak_5416	chr6	51779685	51780240	4536	exon (NM_001287552, exon 2 of 5)	NM_001287552	LOC570865	7.922634776	3.689627982	4.233006794	6.23E-12
peak_2650	chr22	22525100	22525763	2293	intron (NM_200958, intron 1 of 4)	NM_200958	cdc34a	9.356049528	5.123491973	4.232557555	3.35E-16
peak_6328	chr5	66069373	66069891	-207873	Intergenic	NM_001039813	adora2b	6.377726349	2.145196884	4.232529464	4.76E-11
peak_7444	chr13	37328698	37329174	3971	intron (NM_001115133, intron 4 of 7)	NM_001115133	tmx1	7.623228296	3.391467597	4.231760698	3.92E-10
peak_6535	chr18	47883653	47883969	167354	Intergenic	NM_001080167	ppp1r37	5.456605395	1.226539182	4.230066213	7.18E-11
peak_13718	chr18	27876773	27877547	1413	intron (NM_001080159, intron 1 of 14)	NM_001080159	hipk3b	7.90628031	3.676666913	4.229613398	6.63E-07
peak_5074	chr19	43361060	43361376	56270	intron (NM_001044977, intron 10 of 11)	NM_001044977	tinagl1	5.854862259	1.625584991	4.229277268	2.73E-12
peak_8429	chr7	68855133	68855654	257918	Intergenic	NM_200672	swap70a	7.205805556	2.978380984	4.227424571	1.91E-09
peak_1185	chr24	20283015	20283879	-15943	Intergenic	NM_199619	csrnp1b	9.277362915	5.050169673	4.227193242	3.47E-21
peak_7407	chr19	29577914	29578492	199009	Intergenic	NM_001080628	zgc:158604	6.517528496	2.2915092	4.226019296	3.70E-10
peak_10338	chr14	3412707	3413113	-9087	Intergenic	NM_212836	cdx1a	6.773400122	2.547488883	4.225911238	2.27E-08
peak_3606	chr20	6940735	6941404	44084	intron (NM_001168349_1, intron 12 of 13)	NM_001168349_1	adcy1a	7.792314852	3.566892472	4.225422379	2.30E-14
peak_5506	chr11	9121928	9122391	473750	Intergenic	NM_001020583	tbl1xr1a	5.802899742	1.577539342	4.225360399	7.73E-12

peak_2889	chr10	42390713	42391262	-60143	Intergenic	NM_001171696	npffr1l1	7.207600279	2.982396363	4.225203917	1.25E-15
peak_3045	chr24	42878161	42878674	-18014	intron (NM_001045123_1, intron 16 of 22)	NM_001045123	scn12ab	8.623851238	4.398885357	4.224965881	2.41E-15
peak_985	chr24	25783216	25783917	-15797	Intergenic	NM_001202492	si:dkey-11p10.10	8.874049394	4.649897285	4.22415211	1.84E-22
peak_7097	chr15	16389030	16389463	-3558	intron (NM_207060, intron 9 of 10)	NR_030021		6.971480392	2.74753407	4.223946322	2.11E-10
peak_5624	chr15	16786032	16786407	-51817	Intergenic	NM_001020720	zgc:113279	5.699010492	1.475978232	4.22303226	1.03E-11
peak_16185	chr23	36522605	36523222	18122	intron (NM_131664, intron 3 of 8)	NM_131664	lima1	8.167383499	3.945083379	4.222300119	4.24E-06
peak_8363	chr9	7060304	7060687	20897	intron (NM_001039973, intron 1 of 23)	NM_001039973	inpp4aa	6.897986938	2.675707477	4.222279461	1.73E-09
peak_6145	chr1	46892812	46893163	-9593	Intergenic	NM_001004513	tubgcp3	6.423102876	2.201984884	4.221117991	3.33E-11
peak_3478	chr22	30469717	30470315	36275	Intergenic	NM_001098266	si:dkey-222p3.1	7.70566707	3.484668123	4.220998947	1.39E-14
peak_3031	chr13	7770579	7771185	38873	exon (NM_001039806, exon 3 of 17)	NM_001039806	epas1b	7.44437622	3.223716074	4.220660146	2.33E-15
peak_3194	chr14	248175	249193	4278	Intergenic	NM_001080593	hs3st1	8.385431643	4.165499185	4.219932458	4.29E-15
peak_1177	chr24	38210764	38211241	-33163	Intergenic	NM_001002675	ccr10	8.439053698	4.219354881	4.219698817	3.05E-21
peak_10546	chr7	26860076	26860815	715	intron (NM_001257193, intron 1 of 53)	NM_001257193	dysf	7.323709331	3.105430074	4.218279257	2.88E-08
peak_16310	chr14	4265079	4265712	-10417	Intergenic	NM_001013527	enpp6	7.604677449	3.387543109	4.21713434	4.62E-06
peak_6125	chr2	954937	955836	-51874	Intergenic	NM_001243344	foxq1a	8.658890238	4.441769297	4.21712094	3.23E-11
peak_9797	chr7	20533834	20534170	9393	intron (NM_001202493, intron 1 of 52)	NM_001202493	LOC799686	6.24888771	2.031824933	4.217062777	1.24E-08
peak_4913	chr12	28487545	28488106	39413	intron (NM_001077161, intron 1 of 4)	NM_001077161	znf438	8.998524206	4.781601196	4.21692301	1.77E-12
peak_7562	chr18	30904071	30904637	-38595	Intergenic	NM_205650_1	cd151l	6.150278395	1.93336466	4.216913735	4.88E-10
peak_6997	chr3	14546191	14546532	140207	intron (NM_001040248, intron 3 of 10)	NM_201195	nme4	6.551277599	2.334634115	4.216643484	1.69E-10
peak_5670	chr8	11639501	11639949	44826	Intergenic	NM_200893	ampd1	6.558320626	2.342001139	4.216319487	1.14E-11
peak_5475	chr14	34560500	34561048	27980	Intergenic	NM_201032	xpnpep2	6.306835459	2.09056475	4.216270709	7.27E-12
peak_15412	chr5	69609396	69610043	135528	Intergenic	NM_001013309	htatip	7.3508281	3.13477695	4.216051149	2.44E-06
peak_5530	chr19	8683452	8683716	35936	Intergenic	NM_001128368	si:dkey-266f7.9	5.632577994	1.417012915	4.215565079	8.18E-12
peak_16754	chr12	48023946	48024688	36921	intron (NM_001007187, intron 3 of 4)	NM_001098781	lhpp	8.850417066	4.635536244	4.214880822	6.15E-06
peak_2461	chr23	2813803	2815105	12433	intron (NM_194407, intron 1 of 29)	NM_194407	plcg1	9.722481413	5.508732076	4.213749337	1.19E-16
peak_7935	chr13	2290811	2291300	-70457	Intergenic	NM_199718	fbxo9	7.013005334	2.799272142	4.213733192	8.65E-10
peak_4775	chr9	27210997	27211455	74067	Intergenic	NM_131023	efnb2a	6.266751174	2.053088178	4.213662996	1.18E-12
peak_6695	chr19	29194792	29195231	15574	Intergenic	NR_105066		7.907670379	3.694365095	4.213305284	9.76E-11
peak_3810	chr14	31018614	31019084	-123675	Intergenic	NM_001006088	asah1a	7.122230888	2.909509825	4.212721063	5.18E-14
peak_6969	chr13	4364381	4364655	38093	Intergenic	NM_213430	pla2g12b	5.577364833	1.364650599	4.212714234	1.62E-10
peak_5634	chr23	16479927	16480228	-360405	Intergenic	NM_200736	mrgbp	5.677187751	1.464476453	4.212711297	1.05E-11
peak_25813	chr7	57650544	57651436	-84868	Intergenic	NM_212585	ist1	8.629916529	4.418346742	4.211569788	0.000516
peak_7332	chr17	42009436	42009728	-98314	Intergenic	NM_001098390	zgc:162576	5.817443452	1.606593419	4.210850033	3.23E-10
peak_7485	chr3	15470706	15471592	-7153	Intergenic	NM_001017758	dhrs7b	8.598938727	4.388498044	4.210440683	4.22E-10
peak_4988	chr9	13386421	13386781	-10216	intron (NM_001039807, intron 12 of 12)	NM_001128362	si:dkey-56k23.2	5.89724935	1.686923322	4.210326027	2.18E-12
peak_9273	chr22	14335367	14335689	74322	Intergenic	NM_199708	bzw1a	6.16047536	1.950187435	4.210287926	6.12E-09
peak_3802	chr11	35313629	35313982	95924	Intergenic	NM_001037377	pfkfb4	6.31764192	2.107602149	4.210039771	5.03E-14
peak_16060	chr13	21744330	21745009	45917	Intergenic	NM_001045412	tspan14	6.976921573	2.766967388	4.209954185	3.93E-06
peak_7037	chr19	6590636	6591177	115172	Intergenic	NM_001044921	gsk3aa	6.470585103	2.261376544	4.209208559	1.83E-10
peak_11957	chr19	25894131	25894477	18617	intron (NM_001079950, intron 1 of 7)	NM_001079950	glcci1	6.508593682	2.300427624	4.208166058	1.29E-07
peak_5081	chr18	30517537	30517837	5419	exon (NM_001002622, exon 8 of 8)	NM_001002622	irf8	5.68407117	1.475978232	4.208092938	2.79E-12
peak_9844	chr4	20015075	20015473	-126698	Intergenic	NM_001002463	syt1a	6.115111833	1.907116997	4.207994835	1.31E-08
peak_11488	chr21	19582545	19582919	10440	intron (NM_001111081, intron 2 of 9)	NM_001111081	ghrb	6.436633343	2.229879429	4.206753914	8.14E-08
peak_4894	chr7	51870087	51870400	-2764	Intergenic	NM_001127470	hypk	6.066617155	1.860129469	4.206487686	1.70E-12
peak_8104	chr19	25470358	25470746	93121	Intergenic	NM_001080052	eya3	6.406032589	2.199618821	4.206413768	1.15E-09
peak_8135	chr9	28943300	28943648	33766	Intergenic	NM_001079683	armc8	5.920004586	1.713875669	4.206128918	1.20E-09
peak_12954	chr3	33612390	33612768	15685	exon (NM_213330, exon 8 of 21)	NM_213330	sgsm3	6.866989699	2.6613978	4.205591899	3.35E-07
peak_16323	chr25	11576433	11578253	-183887	Intergenic	NM_001265607	mespbb	10.05334516	5.850346705	4.202998451	4.66E-06
peak_9148	chr6	4957955	4958568	526061	Intergenic	NM_201285	pou4f1	4.422575411	0.219835396	4.202740015	5.13E-09
peak_4980	chr21	16934175	16934751	47207	Intergenic	NM_001123389	brd3a	7.658880718	3.456222572	4.202658146	2.12E-12
peak_9974	chr5	18913783	18914200	-402260	Intergenic	NM_001004640	atad1a	7.434354577	3.232060323	4.202294254	1.52E-08
peak_6203	chr9	22998744	22999153	4464	intron (NM_001128231, intron 1 of 32)	NM_001128231	lmo7a	6.779628682	2.577715538	4.201913145	3.75E-11
peak_6942	chr5	49708949	49709267	49123	Intergenic	NM_001013453	ccnh	6.942753528	2.740997688	4.20175584	1.53E-10
peak_11693	chr11	9031852	9033134	384084	Intergenic	NM_001020583	tbl1xr1a	9.389943608	5.188322133	4.201621475	9.75E-08
peak_2377	chr10	1890622	1891644	12836	intron (NM_001143840, intron 1 of 15)	NM_001143840	apc	9.495586679	5.294112169	4.201474511	7.09E-17
peak_1836	chr12	50478584	50479201	-7476	intron (NM_001291882, intron 2 of 3)	NM_001039837_1		9.013823593	4.813406551	4.200417043	1.67E-18
peak_4845	chr15	8334413	8335112	48777	intron (NM_001044904, intron 5 of 9)	NM_001044904	tnfrsf19	8.423607735	4.22448452	4.199123216	1.48E-12
peak_5176	chr10	33403161	33403508	45761	intron (NM_201069, intron 6 of 14)	NM_201069	uvrag	6.251198622	2.053088178	4.198110444	3.55E-12
peak_10471	chr18	11238630	11239210	261564	Intergenic	NM_001013335	zgc:110789	7.606257962	3.40862696	4.197631002	2.65E-08
peak_10597	chr23	3479702	3480072	45407	Intergenic	NM_001001828	rnf114	7.340260368	3.142657014	4.197603354	3.07E-08
peak_11657	chr7	54003344	54003869	9952	intron (NM_214816, intron 2 of 12)	NM_214816	tcf12	7.247722425	3.050535499	4.197186926	9.50E-08
peak_11973	chr21	41206705	41207313	65931	Intergenic	NM_201133	stk10	6.426926019	2.229879429	4.19704659	1.31E-07
peak_6368	chr11	24951864	24952710	-4376	Intergenic	NM_001002171	hdac11	8.529554652	4.332653685	4.196900967	5.16E-11
peak_2049	chr19	33545442	33546121	134196	Intergenic	NM_001004682	fabp11a	8.265524623	4.06895194	4.196572683	8.83E-18
peak_12574	chr24	26619118	26620215	-34223	Intergenic	NM_200440	klhl24b	10.04684817	5.850321992	4.196526179	2.33E-07
peak_12999	chr17	32399946	32400546	175537	Intergenic	NM_001077604	klf11b	7.555497995	3.359040057	4.196457938	3.52E-07
peak_8747	chr5	60474305	60474665	64305	Intergenic	NM_001002701	tmem136b	6.009606799	1.813729373	4.195877426	2.92E-09
peak_2396	chr14	25803634	25804416	-43228	Intergenic	NM_131736	slit3	9.589507091	5.39393	4.195577091	8.07E-17
peak_12047	chr9	1118772	1119409	81997	Intergenic	NM_001110451	stk24a	8.314326398	4.118864431	4.195461967	1.40E-07
peak_3946	chr14	28983337	28984365	67970	Intergenic	NM_200569	tsc22d3	9.920973514	5.7255188	4.195454715	8.37E-14
peak_6617	chr4	9743077	9743375	-28127	Intergenic	NM_001100046	wnt16	5.619642432	1.424574834	4.195067598	8.44E-11
peak_6399	chr25	23705469	23705795	70203	exon (NM_200880, exon 6 of 7)	NM_200880	dusp8a	6.094271022	1.89931101	4.194960012	5.51E-11
peak_1132	chr11	38467528	38468598	-2999	Intergenic	NM_001040385	egfl7	10.13625508	5.941436177	4.1948189	1.77E-21
peak_7451	chr7	31808959	31809324	19397	intron (NM_001159314, intron 1 of 15)	NM_001159314	adam10a	5.8009293	1.606593419	4.194335881	3.99E-10
peak_6404	chr17	33960131	33960527	-40816	Intergenic	NM_001003442	dnal1	6.119229348	1.924950012	4.194279337	5.56E-11
peak_884	chr7	53934110	53934796	79105	Intergenic	NM_214816	tcf12	9.699156848	5.505484945	4.193671903	4.00E-23
peak_9528	chr20	21062288	21063075	-57739	intron (NM_199889, intron 16 of 18)	NM_001024815	btbd6b	8.878974793	4.685355744	4.193619049	8.63E-09
peak_9765	chr15	78768	80320	-8170	Intergenic	NM_001020822	cyp2y3	9.195768563	5.002912196	4.192856367	1.19E-08
peak_19839	chr21	28769043	28770150	-17502	Intergenic	NM_001002076	fabp6	7.745335402	3.552564291	4.192771111	3.75E-05
peak_8791	chr25	16589098	16589471	17374	intron (NM_001271913, intron 4 of 28)	NM_001271913	mical2b	6.342843827	2.150298638	4.192545189	3.12E-09
peak_7939	chr16	56815213	56816561	6973	intron (NM_200956, intron 1 of 12)	NM_200956	ptdss1a	8.934932092	4.742898442	4.192033649	8.66E-10
peak_4025	chr8	15554648	15555206	50970	intron (NM_001003634, intron 1 of 13)	NM_001003634	fnbp1l	7.87790032	3.685937276	4.191963044	1.12E-13
peak_18695	chr13	18791693	18792696	41415	exon (NM_001190757, exon 9 of 16)	NM_001190757	pdzd7a	7.526408317	3.33455311	4.191855207	1.99E-05
peak_5151	chr9	26788782	26789187	-20194	Intergenic	NM_001135104	zeb2a	6.464608304	2.273505234	4.19110307	3.38E-12
peak_7316	chr18	29356295	29356599	4238	Intergenic	NM_131844	maf	5.758415062	1.567723154	4.190691908	3.14E-10
peak_6868	chr1	17276902	17277225	56743	Intergenic	NM_001089478	fam114a1	5.236385727	1.045780477	4.19060525	1.32E-10
peak_13136	chr9	6510682	6511085	32187	intron (NM_200997, intron 1 of 3)	NM_200997	nck2a	6.628806135	2.438268731	4.190537404	3.98E-07
peak_7559	chr3	40024557	40025007	24615	intron (NM_001045469, intron 2 of 21)	NM_001045469	llgl1	6.75494676	2.565255065	4.189691695	4.86E-10
peak_16292	chr9	18535848	18536770	-236671	Intergenic	NM_001128338	vwa8	7.736981901	3.547578838	4.189403064	4.57E-06
peak_6619	chr16	33132626	33132993	40481	intron (NM_131796, intron 2 of 31)	NM_131796	ptk2ab	6.764304073	2.575268044	4.189036029	8.50E-11
peak_6693	chr6	40628289	40628749	-70	promoter-TSS (NM_001135136)	NM_001135136	si:ch211-157b11.	6.70597685	2.517206958	4.188769892	9.74E-11
peak_5885	chr16	8190012	8190277	31806	Intergenic	NM_001002115	eaf1	5.431293272	1.242675602	4.188617671	1.85E-11
peak_6127	chr16	41233383	41233759	-14682	intron (NM_200839, intron 10 of 12)	NM_001281990	LOC566054	6.603427806	2.41562392	4.187803886	3.25E-11
peak_10836	chr2	16534909	16535322	18005	TTS (NM_001080200)	NM_001291498	ppp1r7	6.441730325	2.253961521	4.187768803	4.05E-08
peak_4675	chr23	451076	451324	25406	Intergenic	NM_001003448	zgc:92113	5.812343404	1.624719583	4.187623821	8.61E-13
peak_5854	chr14	6802015	6802467	-110644	Intergenic	NM_131444	gnb2l1	7.332482119	3.145194496	4.187287623	1.70E-11
peak_6446	chr11	6050852	6051222	6298	intron (NM_001020769, intron 4 of 8)	NM_001020769	gtpbp3	6.823290996	2.636077071	4.187213925	6.07E-11
peak_10347	chr13	48938248	48938900	-152254	Intergenic	NM_001098262	zmp:000000113	7.41731158	3.230352376	4.186959204	2.28E-08
peak_7100	chr16	24387760	24388130	-22496	Intergenic	NM_001114318	il6r	6.542799588	2.356327051	4.186472537	2.12E-10
peak_1073	chr17	6030681	6031458	-9324	Intergenic	NM_001002462	dusp23b	8.605916134	4.419543921	4.186372213	7.18E-22
peak_6357	chr21	35504823	35505227	77458	Intergenic	NM_001002503	ndfip1l	7.329333292	3.143206451	4.186126841	5.08E-11
peak_6471	chr23	19769744	19770087	-83029	Intergenic	NM_001201403	si:ch211-222g5.3	5.644984921	1.459176537	4.185808384	6.37E-11
peak_3594	chr4	22784435	22784890	24952	intron (NM_001130599, intron 2 of 13)	NM_001130599	usp6nl	7.491914729	3.306395032	4.185519698	2.17E-14
peak_11711	chr10	41653367	41654064	3607	intron (NM_001080188, intron 2 of 22)	NM_001080188	git2b	7.735647547	3.550362767	4.18528478	9.89E-08
peak_7366	chr10	22713581	22714448	-7760	Intergenic	NM_001111177	zgc:172339	8.654901207	4.469767698	4.185133508	3.41E-10

peak_13677	chr5	30601539	30602570	-9666	Intergenic	NM_001089376	stxbp1b	9.498638037	5.313530453	4.185107584	6.44E-07
peak_17686	chr1	1069373	1070696	6658	intron (NM_131603_1, intron 2 of 4)	NM_131603_1	runx1	8.971032117	4.786935257	4.184096859	1.11E-05
peak_9585	chr22	33613510	33614110	49231	Intergenic	NM_001040377	zgc:136895	7.65035085	3.466293262	4.184057588	9.41E-09
peak_9334	chr17	28110564	28111194	50185	Intergenic	NM_001242995	kdm1a	7.385636542	3.201708821	4.18392772	6.66E-09
peak_5730	chr16	56765980	56766569	-42640	Intergenic	NM_200956	ptdss1a	7.876673819	3.693190983	4.183482835	1.28E-11
peak_14614	chr16	30638757	30639581	27138	intron (NM_001114911, intron 8 of 12)	NM_001114911	itga8	7.993686724	3.810721747	4.182964977	1.37E-06
peak_9101	chr20	28688991	28689571	-24528	intron (NM_001281792, intron 12 of 20)	NM_001035263	rgs6	6.908478154	2.725629968	4.182848186	4.85E-09
peak_3568	chr1	23102493	23102876	-27694	Intergenic	NM_200059	rps3a	6.732124009	2.549953485	4.182170524	1.99E-14
peak_871	chr4	15195572	15196556	-6253	Intergenic	NM_001044757	atp2b1a	9.295157322	5.113575451	4.181581871	3.37E-23
peak_4029	chr2	6588266	6588677	-2205	Intergenic	NM_001017821	rgs5b	6.961086151	2.779946899	4.181139252	1.13E-13
peak_11312	chr19	44919889	44920289	-3784	Intergenic	NM_001083088	si:ch211-193k19.	7.33276287	3.151848441	4.180914428	6.76E-08
peak_6479	chr18	12660035	12660570	-79	promoter-TSS (NM_199737)	NM_199737	zgc:56622	8.430768794	4.249984333	4.180784461	6.49E-11
peak_7508	chr20	39774993	39775900	-13750	TTS (NM_001082853)	NM_001020734	tpd52l1	9.4353711	5.254588333	4.180782767	4.41E-10
peak_4975	chr23	4112641	4113011	39850	intron (NM_001045332, intron 5 of 8)	NM_001045332	b4galt5	6.313208775	2.132584471	4.180624304	2.09E-12
peak_3914	chr3	57951607	57952559	-98484	Intergenic	NM_001123516	fscn2a	8.643375273	4.462989481	4.180385792	7.61E-14
peak_16122	chr5	65896216	65896632	-34665	Intergenic	NM_001039813	adora2b	6.947224952	2.766967388	4.180257565	4.06E-06
peak_6265	chr20	35949634	35950002	67824	intron (NM_001008583, intron 3 of 18)	NM_001008583	cd2ap	6.817248505	2.63813516	4.179113345	4.29E-11
peak_5933	chr21	15176891	15177296	-314633	Intergenic	NM_001166121	aqp3b	6.892075647	2.713601899	4.178473747	2.02E-11
peak_6816	chr12	13586681	13586908	-637871	Intergenic	NM_131014	cmn	5.252081089	1.07379276	4.178288329	1.22E-10
peak_10197	chr3	25328702	25329039	31637	Intergenic	NM_001128267	il2rb	6.572481477	2.394249999	4.178231479	1.94E-08
peak_9873	chr20	41087507	41088853	287184	Intergenic	NM_001100023	si:dkey-233p4.1	9.224717336	5.046516233	4.178201103	1.36E-08
peak_6237	chr16	8096287	8096656	-33081	Intergenic	NM_001271459	mbpb	5.879037837	1.701283593	4.177754244	4.00E-11
peak_12818	chr6	59461180	59461617	22540	Intergenic	NM_001012494	mtrf1	7.82163981	3.644070214	4.177569595	2.94E-07
peak_6334	chr9	42564738	42565192	15787	intron (NM_001004564, intron 3 of 3)	NM_001004564	mfsd6b	6.160457429	1.983794631	4.176662798	4.82E-11
peak_11716	chr14	8137342	8137820	-86906	Intergenic	NM_001002626	zgc:92242	7.463121131	3.287082207	4.176038925	9.95E-08
peak_3634	chr17	8253427	8254234	-100891	Intergenic	NM_130961	lft2	9.345269721	5.169419152	4.17585057	2.61E-14
peak_10617	chr23	1383915	1384281	210102	Intergenic	NM_200432	fbxo30b	6.170618565	1.994825282	4.175793283	3.15E-08
peak_6325	chr10	12131572	12132061	3411	intron (NM_001004502, intron 1 of 2)	NM_001004502	lpar1	7.844917752	3.669815454	4.175102298	4.74E-11
peak_5136	chr19	36475573	36475799	-125	promoter-TSS (NM_001034989)	NM_001034989	sla1	6.123335146	1.948527147	4.174807999	3.26E-12
peak_8050	chr17	27856235	27856900	276835	Intergenic	NM_131224	qkia	5.248003287	1.07379276	4.174210528	1.05E-09
peak_6704	chr25	10732011	10732342	-26224	Intergenic	NM_001017792	zgc:110339	6.045724325	1.871652568	4.174071757	1.00E-10
peak_1748	chr24	24847065	24847573	32258	intron (NM_001083026, intron 2 of 20)	NM_001083026	rps6ka3b	8.699629764	4.526099858	4.173529906	8.48E-19
peak_2745	chr22	19423562	19424271	86841	intron (NM_001040095, intron 1 of 2)	NM_001040095	fgf22	7.526155875	3.352782817	4.173373058	5.67E-16
peak_730	chr6	59760513	59762173	7244	intron (NM_001002580_1, intron 1 of 3)	NM_001002580_1	pmepa1	10.52709224	6.353956872	4.173135371	3.16E-24
peak_13077	chr1	45314192	45314584	20204	exon (NM_001081692, exon 16 of 22)	NM_001081692	kdm2aa	6.540439543	2.367686229	4.172753314	3.80E-07
peak_3242	chr13	34396423	34396819	-344986	intron (NM_200549, intron 5 of 19)	NM_001256646	flrt3	6.614490906	2.442172972	4.172317934	5.51E-15
peak_10379	chr6	9191356	9192096	5992	intron (NM_001017767, intron 4 of 5)	NM_001017767	ube2g2	8.789675494	4.617530939	4.172144555	2.37E-08
peak_6741	chr7	742058	743127	13291	Intergenic	NM_205541	drap1	10.23554072	6.063539783	4.172000934	1.07E-10
peak_13224	chr18	43236530	43237025	-29730	Intergenic	NM_001037430	arfgap2	6.539494444	2.367686229	4.171808215	4.29E-07
peak_12911	chr6	28689059	28689500	5273	exon (NM_001130629, exon 5 of 18)	NM_001130629	glmnb	6.96760047	2.795866172	4.171734299	3.19E-07
peak_9518	chr5	71431620	71432010	65807	Intergenic	NM_001168464	tnfsf13	6.078703402	1.907116997	4.171586405	8.53E-09
peak_4920	chr22	13204236	13205262	-22464	intron (NM_131264, intron 2 of 10)	NM_001024816	ahr1b	8.113824016	3.942341634	4.171482382	1.80E-12
peak_8750	chr21	13982663	13983369	23399	intron (NM_131888, intron 1 of 22)	NM_131888	ptpra	8.602406666	4.43126137	4.171145295	2.94E-09
peak_1121	chr9	45691205	45691861	94478	Intergenic	NM_001128265	dusp19a	8.832463493	4.662115493	4.170348	1.61E-21
peak_3479	chr13	328812	329315	18493	Intergenic	NM_199627	lgi1a	6.928162173	2.758336318	4.169825855	1.40E-14
peak_8505	chr10	22971159	22971490	-1033	Intergenic	NM_205670	tmem88a	5.243401343	1.07379276	4.169608583	2.12E-09
peak_2542	chr16	58281929	58282638	1109	intron (NM_001077321_1, intron 5 of 7)	NM_001077321_1	spag1b	8.789874203	4.620879085	4.168995118	1.83E-16
peak_1226	chr7	45432691	45433728	-261	promoter-TSS (NM_001003983)	NM_001003983	cdh5	10.50712727	6.338863082	4.168264186	6.23E-21
peak_1069	chr2	52928757	52929437	85475	Intergenic	NM_001045238	zgc:136336	9.294387197	5.127285471	4.167101726	6.93E-22
peak_16419	chr5	32027396	32027846	-3553	exon (NM_001080025, exon 4 of 5)	NM_001077571	stk36	6.982322021	2.81595363	4.166368392	4.98E-06
peak_11272	chr15	46590537	46591306	50	promoter-TSS (NM_001040047)	NM_001040047	gmfg	8.614032256	4.447818879	4.166213376	6.44E-08
peak_4763	chr5	52892226	52892488	2955	intron (NM_001110284, intron 2 of 7)	NM_001110284	sdccag3	5.89318586	1.72711151	4.16607435	1.13E-12
peak_14765	chr17	35223112	35223647	-40775	Intergenic	NM_001045207	asap2a	7.577588329	3.411712409	4.16587592	1.53E-06
peak_7822	chr17	23696769	23697340	-57899	Intergenic	NM_200645	pex13	9.486793897	5.322188672	4.164605225	7.22E-10
peak_446	chr6	57973784	57975283	80741	intron (NM_212908, intron 1 of 6)	NM_212908	tox2	11.02341426	6.858919512	4.164494751	2.26E-27
peak_4788	chr9	55989710	55990561	-48435	Intergenic	NM_001144040	cog3	8.5168579	4.353186868	4.163671032	1.22E-12
peak_9845	chr7	18500567	18500972	-3928	Intergenic	NM_001128791	LOC795524	6.917268034	2.754147101	4.163120933	1.31E-08
peak_10102	chr6	33448813	33449230	127285	Intergenic	NM_001287082	tmem69	6.194566122	2.031824933	4.162741189	1.74E-08
peak_17074	chr24	39373801	39374701	6749	intron (NM_001163897, intron 2 of 2)	NM_001163897	tmem204	7.682133061	3.519551342	4.162581719	7.35E-06
peak_7706	chr20	5749756	5750129	154996	intron (NM_001080047, intron 8 of 19)	NM_001080047	nrxn3b	6.470322701	2.308115528	4.162207173	6.06E-10
peak_1375	chr19	17827417	17828313	-19652	Intergenic	NM_131857	klf2b	9.604302057	5.442140161	4.162161896	3.08E-20
peak_6107	chr12	37783515	37783871	68082	Intergenic	NM_001110465	dnai2a	6.747178552	2.585033203	4.162145349	3.14E-11
peak_9083	chr9	39743983	39744855	7239	intron (NM_212968, intron 1 of 12)	NM_212968	heg	8.238866544	4.077344558	4.161521986	4.70E-09
peak_11804	chr7	37277057	37277520	-112345	Intergenic	NM_001045227	irx5a	6.391163265	2.229879429	4.161283836	1.09E-07
peak_880	chr18	12454971	12455484	144459	Intergenic	NM_001075112	tmem5	8.837091665	4.677434392	4.159657273	3.74E-23
peak_14395	chr8	20103561	20104046	-14408	Intergenic	NM_001115094	notch2	7.665743559	3.507062586	4.158680973	1.15E-06
peak_13371	chr21	39279282	39280115	26164	intron (NM_001135103, intron 2 of 16)	NM_001135103	ssh2b	7.629589978	3.471261869	4.158328108	4.99E-07
peak_13928	chr15	9016686	9017166	-25262	Intergenic	NM_001004002	rab4b	7.754042312	3.596027559	4.158014753	7.87E-07
peak_6525	chr5	52592660	52592949	-6707	exon (NM_001077157, exon 8 of 10)	NM_001281872	col4a3bpa	5.408637962	1.251205952	4.15743201	7.08E-11
peak_5561	chr8	45378267	45378647	-2969	Intergenic	NM_001007031	fam101a	5.717119702	1.559712523	4.157407179	8.98E-12
peak_11608	chr17	10883673	10884052	17453	intron (NM_001258228, intron 7 of 10)	NM_001258228	si:ch211-185a18.	6.607505156	2.450242079	4.157263078	9.12E-08
peak_5383	chr2	41070396	41070747	-114979	Intergenic	NM_001020508	hs6st1a	6.112553586	1.955383827	4.15716976	5.63E-12
peak_9198	chr23	30213583	30213981	-31003	Intergenic	NM_001040369	tnfrsf9a	7.248028601	3.091756288	4.156272313	5.49E-09
peak_8233	chr12	840232	840595	2494	intron (NM_198914, intron 1 of 5)	NM_198914	sult2st1	5.646715745	1.490687863	4.156027882	1.41E-09
peak_10126	chr9	12759913	12760286	39373	intron (NM_001114558, intron 11 of 15)	NM_001020765	tmem41aa	6.150587908	1.994825282	4.155762626	1.80E-08
peak_7036	chr4	3966849	3967126	15045	intron (NM_201059, intron 4 of 10)	NM_201059	waslb	5.520405368	1.364650599	4.155754769	1.83E-10
peak_7056	chr11	44179994	44180254	-87765	Intergenic	NM_212914	foxg1b	5.519926288	1.364650599	4.155275689	1.93E-10
peak_18043	chr17	26531245	26532016	31032	3' UTR (NM_001080603, exon 20 of 20)	NM_213351	calm1a	7.151961858	2.996787327	4.155174531	1.40E-05
peak_6934	chr25	5155425	5155841	-46818	Intergenic	NM_001077725	athl1	7.740191153	3.585091146	4.155100008	1.51E-10
peak_5569	chr18	311148	312036	-10436	Intergenic	NM_199903	larp6	8.513124674	4.358403755	4.154720919	9.16E-12
peak_5556	chr13	46069011	46069385	17315	Intergenic	NM_001003437	syf2	6.039721229	1.885017416	4.154703813	8.86E-12
peak_6554	chr14	44514478	44515064	105470	Intergenic	NM_001115099	pcdh18b	8.182112245	4.027602833	4.154509413	7.41E-11
peak_6694	chr17	36254470	36254800	-195900	Intergenic	NM_131336	sox11a	5.815492788	1.663367097	4.152125691	9.75E-11
peak_3980	chr8	38054476	38055742	-40601	Intergenic	NM_001123234	kdm5c	9.567195888	5.415200443	4.151995444	9.83E-14
peak_7426	chr7	62487963	62488411	45777	Intergenic	NM_213147	acox3	6.297625371	2.146443621	4.15118175	3.80E-10
peak_8093	chr5	57213314	57213698	44037	intron (NM_001017607, intron 3 of 11)	NM_001017607	camk4	6.828728154	2.677990503	4.150737651	1.13E-09
peak_11293	chr7	21164190	21164539	-40399	Intergenic	NM_001111237	snx15	7.101841575	2.952211093	4.149630482	6.59E-08
peak_9069	chr19	22535189	22535663	-11678	Intergenic	NM_001045150	sall3b	7.528532435	3.379109505	4.14942293	4.64E-09
peak_10576	chr21	19017009	19017357	-68790	Intergenic	NM_201171	dusp4	6.225521269	2.077505579	4.14801569	2.98E-08
peak_5132	chr2	22422767	22423116	779	intron (NM_001256623, intron 1 of 20)	NM_001256623	sap130b	5.657696229	1.509950832	4.147745397	3.23E-12
peak_8492	chr1	39202168	39202431	29549	Intergenic	NM_212948	spcs3	5.994128016	1.846475529	4.147652487	2.09E-09
peak_5178	chr15	19880070	19880348	-2548	Intergenic	NM_001008574	usp2a	5.935914805	1.78859519	4.147319615	3.56E-12
peak_8786	chr9	4081219	4081636	-413070	Intergenic	NM_180973	sp5a	7.732428161	3.5861229	4.146305261	3.10E-09
peak_11887	chr5	51572717	51573347	45459	intron (NM_200418, intron 6 of 6)	NM_131180	nr2f1a	8.117721616	3.971464167	4.146257449	1.20E-07
peak_5716	chr18	42840972	42841230	102437	intron (NM_001123012, intron 5 of 16)	NM_001123012	aplp2	6.041391262	1.89539212	4.145999142	1.24E-11
peak_4457	chr24	16985808	16986214	-110100	Intergenic	NM_001271670	sema5a	7.213250159	3.067725102	4.145525057	4.77E-13
peak_8439	chr17	51375517	51376112	46259	Intergenic	NM_001002063	stxbp6	4.836059295	0.691124799	4.144934496	1.94E-09
peak_11605	chr1	17800454	17800857	21197	exon (NM_001145577, exon 16 of 22)	NM_001145703	phox2ba	6.775821542	2.631662298	4.144159244	9.10E-08
peak_1671	chr6	9778792	9779328	39530	intron (NM_001080085, intron 1 of 9)	NM_001080085	palm3	7.955840149	3.812113774	4.143726375	4.87E-19
peak_10048	chr10	39841721	39842165	-36595	Intergenic	NM_001110374	serpinh1a	8.85127975	4.707854661	4.143425089	1.64E-08
peak_5693	chr12	955348	955613	91930	Intergenic	NM_212974	tob1b	6.242803896	2.101785233	4.141018662	1.19E-11
peak_8772	chr12	46246539	46247229	274232	Intergenic	NM_212945	mrpl38	9.057575642	4.917029802	4.14054584	3.02E-09
peak_1821	chr3	25893207	25893713	21233	intron (NM_130998, intron 1 of 5)	NM_130998	ntn1b	8.199972502	4.059682574	4.140289928	1.48E-18
peak_11691	chr18	37756135	37756671	2352	exon (NM_207067, exon 2 of 11)	NM_207067	leo1	7.452852878	3.312680447	4.140172431	9.74E-08
peak_4579	chr23	28309592	28310004	-25177	Intergenic	NM_001077374	c1galt1a	6.594783512	2.455055598	4.139727914	6.65E-13

peak_8675	chr9	1993768	1994234	501	exon (NM_131232, exon 1 of 3)	NM_131232	evx2	5.630386341	1.490687863	4.139698478	2.62E-09
peak_9078	chr20	8153400	8154720	391993	Intergenic	NM_001244756	bloc1s2	9.194802189	5.055325432	4.139476757	4.69E-09
peak_4030	chr9	33381546	33381935	-4820	Intergenic	NM_213420	rftn2	6.715865321	2.576611201	4.13925412	1.14E-13
peak_2148	chr6	30241214	30241784	58002	intron (NM_001110470, intron 5 of 22)	NM_001110470	wwc3	8.762024026	4.623227223	4.138796802	1.55E-17
peak_1418	chr14	28978388	28978966	73144	Intergenic	NM_200569	tsc22d3	7.820856454	3.682995504	4.13786095	4.65E-20
peak_6193	chr13	3429872	3430280	161063	Intergenic	NM_201129	ncoa4	6.10646649	1.968954665	4.137511825	3.69E-11
peak_14065	chr19	37105645	37106130	38680	intron (NM_001082901, intron 1 of 2)	NM_001082901	col8a2	6.630360448	2.493469792	4.136890656	8.93E-07
peak_8144	chr3	36978729	36979519	98245	Intergenic	NM_200908	tubg1	8.882012467	4.745170556	4.136841911	1.22E-09
peak_4398	chr11	6111161	6111839	-8526	Intergenic	NM_001003752	babam1	7.066762025	2.930002298	4.136759727	3.85E-13
peak_8298	chr19	24940781	24941450	-12056	exon (NM_001007280, exon 5 of 8)	NM_001045214	thbs3b	8.035611681	3.898889898	4.136721783	1.59E-09
peak_2164	chr17	30576941	30577480	2943	intron (NM_001003547, intron 1 of 36)	NM_001003547	itsn2b	7.755365704	3.618936031	4.136429674	1.81E-17
peak_5975	chr9	12154941	12155195	155350	Intergenic	NM_001122701	znf804a	5.926164383	1.790139794	4.136024589	2.22E-11
peak_7740	chr15	27909776	27910558	57219	Intergenic	NM_001039972	slc6a4a	8.581330825	4.445369302	4.135961523	6.41E-10
peak_8409	chr22	23093326	23093912	-6742	Intergenic	NM_131463	nr5a2	6.427436994	2.2915092	4.135927794	1.85E-09
peak_7101	chr5	51213960	51214384	-313401	Intergenic	NM_131180	nr2f1a	6.551525684	2.41562392	4.135901764	2.12E-10
peak_6223	chr13	47054229	47054586	-13790	Intergenic	NM_001243005	fgfr2	6.504952965	2.369410289	4.135542676	3.91E-11
peak_10766	chr6	56170621	56171065	51466	Intergenic	NM_001008576_1	tfap2c	6.806254789	2.671130556	4.135124233	3.72E-08
peak_7178	chr8	9444673	9445129	-27829	intron (NM_001075110, intron 2 of 8)	NM_131539	pim1	6.70702943	2.57218723	4.1348422	2.42E-10
peak_4179	chr18	42313657	42314051	80954	intron (NM_001005575, intron 3 of 8)	NM_001005575	bcl9l	6.279293482	2.144523689	4.134769793	1.84E-13
peak_8593	chr5	65961616	65961906	-100002	Intergenic	NM_001039813	adora2b	5.905730326	1.771592457	4.134137869	2.34E-09
peak_870	chr3	24547455	24548217	36187	Intergenic	NM_001037381	zgc:123244	9.302579879	5.168580567	4.133999312	3.29E-23
peak_10629	chr1	4969314	4969687	-29348	Intergenic	NM_001145693	abcb6a	6.165709012	2.031824933	4.133884079	3.23E-08
peak_6195	chr7	41331028	41331434	143548	Intergenic	NM_001111200	shrprbck1r	6.40735853	2.273505234	4.133853296	3.70E-11
peak_9934	chr23	28093524	28093949	3836	intron (NM_153643, intron 1 of 10)	NM_153643	acvrl1	6.679145027	2.54544688	4.133698146	1.46E-08
peak_8033	chr18	29363807	29364217	11803	Intergenic	NM_131844	maf	6.102970874	1.969413354	4.13355752	1.01E-09
peak_6249	chr25	19433399	19434175	9594	Intergenic	NM_001135573	si:ch211-68a17.7	6.387213389	2.254489639	4.13272375	4.13E-11
peak_5963	chr2	59172432	59174012	-73216	intron (NM_212882_1, intron 3 of 9)	NM_001002546	vapal	10.34015366	6.20744363	4.13271003	2.15E-11
peak_14583	chr21	26896218	26896717	-11786	Intergenic	NM_001098748	pacs1a	7.517761456	3.385308	4.132453456	1.32E-06
peak_11592	chr5	75162912	75163315	-38758	Intergenic	NM_178291	oxt	4.352008366	0.219835396	4.13217297	8.97E-08
peak_4793	chr24	13463968	13464299	-75390	Intergenic	NM_001007066	trpa1b	6.161686385	2.029602348	4.132084037	1.23E-12
peak_5219	chr11	3985025	3985384	-15113	Intergenic	NM_197934	rpn1	6.108398356	1.976393729	4.132004627	3.91E-12
peak_8652	chr18	26970385	26971014	-48448	Intergenic	NM_001030263	rcn2	7.066105887	2.934690609	4.131415278	2.51E-09
peak_7184	chr20	27482885	27483344	47629	Intergenic	NR_030115		7.356497352	3.225297029	4.131200323	2.45E-10
peak_9475	chr11	9261213	9261658	613026	Intergenic	NM_001020583	tbl1xr1a	6.037714633	1.907116997	4.130597636	8.08E-09
peak_16093	chr8	17788743	17789681	85200	Intergenic	NM_001003556	dimt1l	8.24788396	4.118351886	4.129532074	3.99E-06
peak_5609	chr8	13213847	13214162	-227216	Intergenic	NM_001004664	zgc:103670	5.780628893	1.651329202	4.129299691	1.01E-11
peak_12478	chr5	31021436	31021817	105109	intron (NM_001114548, intron 7 of 47)	NM_001114548	cacna1ba	6.683228138	2.554598268	4.12862987	2.14E-07
peak_5805	chr5	59163658	59164134	6456	exon (NM_001109868, exon 6 of 6)	NM_001109868	sik2a	6.024563882	1.896109522	4.12845436	1.51E-11
peak_7652	chr5	37705295	37705720	132166	Intergenic	NM_001004659	zgc:103697	7.489952052	3.361543959	4.128408093	5.58E-10
peak_8682	chr1	1165694	1166230	-64933	Intergenic	NM_131603	runx1	4.836828832	0.709096771	4.12773206	2.66E-09
peak_6974	chr8	44599739	44600229	64901	Intergenic	NM_001123319	kazald3	6.588387038	2.461041542	4.127345497	1.62E-10
peak_13084	chr16	42496389	42497054	28916	intron (NM_001076716, intron 3 of 13)	NM_001076716	rbms3	8.358362622	4.231786015	4.126576607	3.83E-07
peak_3923	chr3	11462238	11462768	21363	exon (NM_001256204, exon 15 of 24)	NM_001256204	elac2	7.085061011	2.958889419	4.126171591	7.88E-14
peak_7170	chr24	25680511	25680757	3077	exon (NM_001100152, exon 1 of 1)	NM_001100152	amer2	5.55032589	1.424574834	4.125751055	2.36E-10
peak_9328	chr12	45250460	45250706	-292641	Intergenic	NM_001110011	dock1	5.939143388	1.813729373	4.125414015	6.62E-09
peak_8037	chr19	2270897	2271263	43524	intron (NM_198819, intron 28 of 28)	NM_001007153	twistnb	7.048237643	2.923188583	4.12504906	1.02E-09
peak_5581	chr17	15916815	15917082	-14730	Intergenic	NM_001080054	znf395a	5.811952101	1.686923322	4.125028779	9.44E-12
peak_6984	chr6	22340453	22341026	-72280	Intergenic	NM_200704	aanat1	6.871525026	2.746552407	4.12497262	1.65E-10
peak_5911	chr4	9180244	9180878	206791	Intergenic	NM_001045158	sbf1	7.736048068	3.611156945	4.124891123	1.93E-11
peak_6094	chr6	11068987	11069345	-84322	Intergenic	NM_213124	sumo3a	6.430004033	2.305164624	4.124839408	2.97E-11
peak_5468	chr8	20829244	20829668	-12257	Intergenic	NM_001256671	myo1f	6.089758778	1.965220699	4.124538079	7.16E-12
peak_14114	chr17	41453447	41454053	-5133	Intergenic	NM_001105660	mocs1	6.617852683	2.493469792	4.124382891	9.25E-07
peak_7057	chr5	18092594	18093248	-93228	Intergenic	NM_001114917	kremen1	8.035601905	3.911604558	4.123997346	1.93E-10
peak_2046	chr1	37154238	37154891	79375	3' UTR (NM_001145788, exon 18 of 18)	NM_001145240	scpp1	7.95789088	3.83512024	4.12277064	8.56E-18
peak_13733	chr24	7773467	7773828	22736	intron (NM_001114549, intron 1 of 1)	NM_001114549	ptrfb	6.554569534	2.431948405	4.122621129	6.70E-07
peak_12412	chr17	44886030	44886447	-113958	Intergenic	NM_001159836	LOC100000800	6.817042155	2.694723771	4.122318384	2.03E-07
peak_12475	chr20	35134020	35134735	23176	intron (NM_001045094, intron 1 of 36)	NM_001045094	si:ch211-89p3.3	7.697403988	3.575356283	4.122047705	2.14E-07
peak_7409	chr15	28673268	28673746	29607	Intergenic	NM_199733	tsku	7.225538409	3.10381609	4.121722319	3.71E-10
peak_5676	chr7	67636232	67636506	-277574	Intergenic	NM_212949	pth1b	6.130275221	2.009358568	4.120916653	1.16E-11
peak_2971	chr14	2009883	2010788	-89270	Intergenic	NM_001111171	etf1a	8.117949821	3.997256742	4.120693079	1.83E-15
peak_8260	chr4	19689021	19689734	-59310	Intergenic	NM_001045143	nav3	7.119861771	2.99923841	4.120623361	1.49E-09
peak_3546	chr20	3457162	3457765	79370	Intergenic	NM_001089520	zgc:162161	6.733789597	2.613565458	4.120224138	1.87E-14
peak_15983	chr17	14749762	14750103	21865	Intergenic	NM_200635	ptger2a	6.835685602	2.716259194	4.119426408	3.72E-06
peak_9654	chr19	1068340	1068700	14120	Intergenic	NM_001077757	zdhhc3b	6.026251544	1.907116997	4.119134547	1.02E-08
peak_4560	chr10	41116724	41117437	-140370	Intergenic	NM_200744	smfn	9.253772674	5.135547828	4.118224846	6.37E-13
peak_8443	chr20	13650724	13651065	-46920	Intergenic	NM_001029958	lpgat1	5.831433437	1.713875669	4.117557768	1.95E-09
peak_6494	chr1	51716792	51717096	12725	exon (NM_199745, exon 11 of 14)	NM_199745	esf1	6.159552967	2.042495729	4.117057238	6.68E-11
peak_6571	chr8	970884	971242	-5226	Intergenic	NM_001003778	mrps27	6.697092362	2.580158886	4.116933476	7.65E-11
peak_4615	chr6	651026	651466	-42365	Intergenic	NM_001114903	cyth4b	5.941312643	1.825330789	4.115981854	7.45E-13
peak_6324	chr15	18038189	18038572	-147725	Intergenic	NM_001110169_1	zgc:171957	6.284379699	2.168709871	4.115669828	4.71E-11
peak_4388	chr22	979719	980108	-31239	Intergenic	NM_001146150	cacna1sa	6.964797345	2.849934844	4.114862501	3.70E-13
peak_10098	chr1	39106918	39107310	4190	intron (NM_214687, intron 1 of 6)	NM_214687	gpm6ab	6.36573248	2.25090355	4.11482893	1.74E-08
peak_3970	chr9	32478123	32478631	80006	Intergenic	NM_001173502	tmtc4	7.057364506	2.942691609	4.114672897	9.53E-14
peak_6421	chr7	24790673	24790931	122235	Intergenic	NM_001003457	zgc:92429	5.640117977	1.525612958	4.114505019	5.80E-11
peak_12721	chr1	57993771	57994186	16266	intron (NM_001113805_1, intron 4 of 10)	NM_001111185	zgc:171470	6.433075493	2.318779611	4.114295882	2.70E-07
peak_6447	chr5	67265216	67265686	106755	intron (NM_001278808, intron 10 of 21)	NM_001278808	pappab	6.727774438	2.613909138	4.1138653	6.08E-11
peak_14005	chr23	5918452	5918893	-85401	Intergenic	NM_205567	csrp1a	6.468614897	2.355004635	4.113610262	8.49E-07
peak_7375	chr17	31815796	31816156	37820	Intergenic	NM_001002442	nubpl	6.511261463	2.397896483	4.11336498	3.47E-10
peak_7917	chr18	1617507	1618143	79872	Intergenic	NM_001030257	rab27a	7.501424378	3.388442654	4.112981724	8.42E-10
peak_9689	chr22	4164089	4164467	40236	Intergenic	NM_213077_1	uhrf1	6.019489019	1.907116997	4.112372022	1.07E-08
peak_6159	chr17	33378818	33379179	14890	intron (NM_001012313, intron 4 of 17)	NM_001012313	snx9a	6.271881723	2.159533624	4.1123481	3.46E-11
peak_5539	chr8	53492218	53492670	78868	intron (NM_001040037, intron 6 of 19)	NM_001040037	bmp1a	7.800134614	3.688104144	4.112030471	8.43E-12
peak_5778	chr6	11064254	11064665	-79615	Intergenic	NM_213124	sumo3a	5.912702642	1.801217016	4.111485627	1.43E-11
peak_7722	chr9	53744888	53745534	196400	Intergenic	NM_001030165	Mar-04	8.355001269	4.243644912	4.111356357	6.29E-10
peak_13516	chr8	25752767	25753251	38802	Intergenic	NM_001256724	slc6a17	7.65593402	3.544728439	4.111205581	5.62E-07
peak_7553	chr5	34690218	34690770	-50582	Intergenic	NM_213490	zgc:55461	7.830666651	3.720282899	4.110383752	4.84E-10
peak_8837	chr3	55643045	55643380	54868	Intergenic	NM_001020671	ubald1b	5.824056051	1.713875669	4.110180382	3.36E-09
peak_6956	chr6	56219682	56219884	100406	Intergenic	NM_001008576_1	tfap2c	5.533308462	1.424574834	4.108733628	1.57E-10
peak_11834	chr10	26988170	26988995	-128603	Intergenic	NM_001017649	arfip2b	7.607160335	3.499038007	4.108122328	1.13E-07
peak_5875	chr11	39136879	39137221	-90794	Intergenic	NM_001034175	etnk2	6.030293896	1.922278904	4.108014992	1.78E-11
peak_9241	chr7	49994789	49995641	-17615	Intergenic	NM_001123242	kcnq1	8.414653651	4.307329671	4.10732398	5.82E-09
peak_7951	chr19	30783463	30783706	-117765	Intergenic	NM_214707	zdhhc18b	5.597964525	1.490687863	4.107276662	8.83E-10
peak_4079	chr14	20410771	20411140	-330202	Intergenic	NM_001037372	ptcd3	6.463861277	2.356813497	4.10704778	1.33E-13
peak_4391	chr15	34656339	34656690	106888	Intergenic	NM_001080189_1	zgc:158328	6.812147766	2.707797149	4.104350617	3.72E-13
peak_5853	chr15	15134575	15135006	-17619	Intergenic	NM_001029952	aldoca	6.765124633	2.66094759	4.104177043	1.69E-11
peak_15954	chr19	26317189	26317636	-58904	Intergenic	NM_212563	pard6gb	6.76776175	2.663703566	4.104058184	3.65E-06
peak_10012	chr1	7733068	7733547	-4602	Intergenic	NM_131031	actb1	5.967590222	1.863651775	4.103938447	1.59E-08
peak_5966	chr24	1286130	1286506	44667	intron (NM_181497, intron 2 of 16)	NM_181497	nrp1a	5.966907889	1.863038053	4.103869836	2.16E-11
peak_9587	chr3	45703477	45704815	-21455	Intergenic	NM_001080019	gpr146	9.482916921	5.379779853	4.103137067	9.43E-09
peak_13323	chr24	32593393	32593857	2014	intron (NM_001002229, intron 1 of 8)	NM_001002229	snx7	7.772187885	3.669800653	4.102387232	4.74E-07
peak_9748	chr17	33408963	33409599	-23432	Intergenic	NM_181438	pomca	7.919272874	3.817039183	4.102233691	1.16E-08
peak_8248	chr11	13279960	13280716	32131	TTS (NM_213416)	NM_213416	elovl1b	8.896139568	4.794068739	4.102070829	1.45E-09
peak_4445	chr24	30379257	30379698	100716	Intergenic	NM_001163988	prmt6	6.355013021	2.253370279	4.101642742	4.55E-13
peak_6638	chr3	27004431	27005002	-5274	exon (NM_001076660, exon 9 of 10)	NM_001002578	ankrd54	8.523406479	4.421892946	4.101513532	8.86E-11
peak_8397	chr24	24808432	24808815	-32202	intron (NM_001083026, intron 10 of 20)	NM_001025453	eif1axb	6.551994387	2.450645463	4.101348924	1.83E-09

peak_7227	chr8	25144594	25145017	10337	exon (NM_213123, exon 5 of 13)	NM_213123	mmp9	7.475912669	3.374953107	4.100959562	2.70E-10
peak_7619	chr8	34920127	34920563	-13913	Intergenic	NM_131616	pbx3b	6.927971095	2.827533273	4.100437822	5.26E-10
peak_6959	chr25	10349203	10349494	-278457	Intergenic	NM_001039822	ehf	5.808817851	1.708547363	4.100270488	1.58E-10
peak_4449	chr5	62560344	62560770	5633	intron (NM_207076, intron 5 of 12)	NM_207076	rad51d	6.93753	2.837385369	4.100144631	4.63E-13
peak_5924	chr24	13723662	13724099	-105382	Intergenic	NM_131193	eya1	6.504226543	2.404637399	4.099589145	1.99E-11
peak_6453	chr5	36424186	36424544	-175851	Intergenic	NM_213129	ankra2	6.061010672	1.961477043	4.099533629	6.12E-11
peak_11412	chr25	11599876	11600685	-206824	Intergenic	NM_001265607	mespbb	8.729679851	4.63036789	4.099311962	7.52E-08
peak_8755	chr15	24251423	24251762	10435	Intergenic	NR_030022		6.087174003	1.988676984	4.098497019	2.95E-09
peak_8569	chr1	25545776	25546037	-46994	Intergenic	NM_199643	coro2a	5.811169177	1.713875669	4.097293508	2.27E-09
peak_2832	chr18	37278005	37278435	-44378	intron (NM_001202420, intron 7 of 11)	NM_200630	arpp19a	7.363598066	3.268686833	4.094911233	9.08E-16
peak_15548	chr2	2843289	2843793	-45102	Intergenic	NM_207059	aqp1a.1	7.355550107	3.26071279	4.094837317	2.71E-06
peak_8494	chr16	22188066	22188389	-62226	Intergenic	NM_131028	ahr1a	5.808425591	1.713875669	4.094549922	2.09E-09
peak_6457	chr19	16502127	16502697	140330	Intergenic	NM_001040375	stmn1a	5.336856522	1.242675602	4.094180921	6.18E-11
peak_8455	chr11	28866010	28866344	20293	exon (NM_201007, exon 4 of 11)	NM_201007	alpl	6.293113837	2.199618821	4.093495017	1.98E-09
peak_674	chr7	62537595	62538131	95453	Intergenic	NM_213147	acox3	9.05840063	4.964970312	4.093430318	7.93E-25
peak_5710	chr18	42237335	42237651	157315	Intergenic	NM_001005575	bcl9l	5.784646086	1.691450492	4.093195594	1.23E-11
peak_8384	chr14	2091703	2091932	-7788	Intergenic	NM_001111171	etf1a	4.784247197	0.691124799	4.093122398	1.80E-09
peak_21173	chr11	30824669	30825600	-1654	Intergenic	NM_001020719	zgc:113276	4.312720233	0.219835396	4.092884838	7.33E-05
peak_21174	chr2	7406646	7407943	62834	Intergenic	NM_001291347	wu:fc46h12	4.312720233	0.219835396	4.092884838	7.33E-05
peak_4375	chr17	21831114	21831553	9333	Intergenic	NM_200349	slc22a7b	7.057529566	2.964853286	4.09267628	3.52E-13
peak_12972	chr1	11159762	11160201	11004	intron (NM_001008591_1, intron 5 of 8)	NM_001008591_1	tspan5b	6.41098029	2.318779611	4.092200678	3.42E-07
peak_10381	chr5	22008898	22009249	-20673	Intergenic	NM_205694	dao.3	6.432072205	2.340208795	4.09186341	2.38E-08
peak_4541	chr4	258874	259595	-63404	Intergenic	NM_001024627	pthlha	7.914520964	3.822825665	4.091695299	6.03E-13
peak_8985	chr14	47986032	47986338	159110	Intergenic	NM_001080662	shisa3	6.362781261	2.271625685	4.091155576	4.11E-09
peak_9846	chr12	36292345	36292828	-15857	Intergenic	NM_001105598	timm23	7.877614437	3.787276149	4.090338288	1.31E-08
peak_10495	chr1	40066420	40067996	154777	intron (NM_130968, intron 10 of 28)	NM_001017639	dctd	8.985065666	4.894819768	4.090245898	2.72E-08
peak_7456	chr20	19103320	19103708	24639	intron (NM_001013265, intron 6 of 6)	NM_001013265	pinx1	6.67870335	2.588796055	4.089907295	4.02E-10
peak_11643	chr8	44736940	44737818	-21189	Intergenic	NM_001135974	zgc:194007	9.592672933	5.503741285	4.088931648	9.38E-08
peak_2447	chr1	15752337	15752930	-321773	Intergenic	NM_001017793	zgc:112426	9.599937298	5.511356804	4.088580494	1.16E-16
peak_8717	chr6	40977246	40977568	7392	exon (NM_001002379, exon 3 of 10)	NM_001002379	entpd8	5.802111888	1.713875669	4.088236219	2.82E-09
peak_16994	chr16	38126924	38127569	-26948	Intergenic	NM_001002444	decr1	7.30390028	3.216513166	4.087387114	7.01E-06
peak_8046	chr9	14163632	14163997	153990	Intergenic	NM_001076586	abi2a	6.495696065	2.408624305	4.087071761	1.04E-09
peak_8503	chr19	2371530	2371845	-57083	intron (NM_198819, intron 28 of 28)	NM_001007153	twistnb	6.116026088	2.029130699	4.086895389	2.12E-09
peak_508	chr18	7954308	7955292	88054	Intergenic	NM_001002204	prpf18	10.45727526	6.371126394	4.086148868	1.46E-26
peak_8518	chr24	25758963	25759295	-40234	Intergenic	NM_001202492	si:dkey-11p10.10	6.660946258	2.575694195	4.085252064	2.16E-09
peak_6386	chr24	14304802	14305349	-50462	intron (NM_131777, intron 11 of 21)	NM_001163831	prdm14	8.662973591	4.577781512	4.085192079	5.40E-11
peak_16809	chr3	49790765	49792168	-19220	Intergenic	NM_201307	ndel1b	8.119308416	4.034181202	4.085127214	6.33E-06
peak_6362	chr20	10839980	10840586	109080	Intergenic	NM_001077758	serpina1	6.548682863	2.464667011	4.084015852	5.10E-11
peak_8754	chr14	11969	12809	9724	Intergenic	NM_212566	aurkb	7.097504166	3.013573968	4.083930198	2.95E-09
peak_7106	chr14	33155553	33155781	-27029	Intergenic	NM_001007399	fgf13a	5.508352192	1.424574834	4.083777358	2.14E-10
peak_10424	chr25	28633595	28634020	22810	intron (NM_001083006, intron 4 of 10)	NM_001083006	wasla	7.300557059	3.21678116	4.083775898	2.51E-08
peak_3778	chr10	38887377	38887917	54186	intron (NM_212796, intron 5 of 16)	NM_212796	msi2a	7.419232107	3.335946614	4.083285493	4.63E-14
peak_10463	chr4	7597985	7598382	-7785	Intergenic	NM_130937	wnt5b	5.989982901	1.907116997	4.082865904	2.62E-08
peak_9738	chr14	51923474	51924050	32278	intron (NM_001017782_1, intron 14 of 17)	NM_001123045	tspan17	8.050654	3.967966255	4.082687745	1.15E-08
peak_8385	chr23	134043	134558	-4323	Intergenic	NM_001077296	zgc:153351	6.282121372	2.199618821	4.082502551	1.80E-09
peak_8707	chr9	38436999	38437436	17919	intron (NM_001004597, intron 2 of 8)	NM_001004597	dirc2	6.271044506	2.188843187	4.082201319	2.78E-09
peak_7884	chr8	5015300	5015638	3022	exon (NM_001020524, exon 2 of 4)	NM_001020524	tmem127	5.572725943	1.490687863	4.08203808	7.88E-10
peak_4406	chr17	22798249	22798591	141342	Intergenic	NR_030140		6.329204554	2.247233447	4.081971106	3.94E-13
peak_12411	chr20	43386673	43387389	-23811	Intergenic	NM_001044916	unc93a	8.097900778	4.015996093	4.081904685	2.02E-07
peak_3647	chr7	7303884	7304274	-10141	Intergenic	NM_001020746	zgc:110425	6.743055513	2.66120336	4.081852153	2.72E-14
peak_4017	chr3	59609249	59609717	53192	intron (NM_001285388, intron 10 of 15)	NM_001285388	si:ch73-281f12.4	8.133967597	4.052251595	4.081716002	1.10E-13
peak_16330	chr15	17158975	17159544	-5981	Intergenic	NM_001076666	btr16	6.796189231	2.716259194	4.079930036	4.68E-06
peak_8440	chr10	33426082	33426510	22799	intron (NM_201069, intron 3 of 14)	NM_201069	uvrag	7.156165804	3.077076665	4.079089139	1.95E-09
peak_9024	chr18	46730125	46730941	110035	Intergenic	NM_001037706	smtla	9.743434107	5.66474149	4.078692617	4.34E-09
peak_6503	chr9	18064378	18065282	109824	intron (NM_001128338, intron 42 of 44)	NM_001002190	rgcc	8.118517542	4.040113472	4.07840407	6.77E-11
peak_4727	chr13	13511982	13512454	-30474	Intergenic	NM_001020532	cfd	6.802123381	2.724256323	4.077867058	1.01E-12
peak_11690	chr1	39662481	39662988	73705	Intergenic	NR_030668		7.403712507	3.326110006	4.077602501	9.74E-08
peak_8524	chr14	42088445	42088786	29923	intron (NM_131159, intron 2 of 8)	NM_131159	ef1	5.749428098	1.673255946	4.076172152	2.16E-09
peak_9920	chr12	49881521	49882373	-10386	Intergenic	NM_001089541	cyp4f3	8.663519064	4.587543405	4.075975659	1.44E-08
peak_7084	chr1	7876508	7877258	106603	Intergenic	NM_199602	zgc:77849	8.295778956	4.219909485	4.075869471	2.04E-10
peak_9012	chr17	16064446	16064958	101096	Intergenic	NM_001030264	hmbox1a	7.997310081	3.921449196	4.075860885	4.25E-09
peak_7584	chr18	8077619	8078260	-33429	Intergenic	NM_001128535	si:ch211-220f12.	7.807531164	3.731805963	4.075725201	5.00E-10
peak_8389	chr16	30773449	30773941	-32896	Intergenic	NM_001199754	nmt2	8.045082827	3.969459093	4.075623734	1.81E-09
peak_6240	chr20	37369220	37369833	44184	intron (NM_213140, intron 5 of 7)	NM_213140	vta1	8.020415808	3.945962003	4.074453805	4.04E-11
peak_15697	chr11	38512938	38513514	17274	3' UTR (NM_001077732, exon 6 of 6)	NR_030659		6.683417104	2.609160782	4.074256322	3.05E-06
peak_1416	chr16	52307828	52308999	260785	Intergenic	NM_001110524	brd2b	9.58339739	5.509186574	4.074210816	4.60E-20
peak_8735	chr8	5232189	5232958	-44127	Intergenic	NM_001102640	tmem230b	8.622053684	4.547981608	4.074072076	2.88E-09
peak_11963	chr12	25314884	25315627	80283	intron (NM_001035261, intron 11 of 37)	NM_001035261	svila	9.343009159	5.270036315	4.072972844	1.30E-07
peak_7344	chr15	15071148	15071477	18468	Intergenic	NM_200099	dynll2a	6.259004229	2.186224363	4.072779866	3.29E-10
peak_11922	chr10	36332594	36333032	33390	intron (NM_001034982, intron 13 of 15)	NM_001034982	por	6.254962771	2.182425019	4.072537753	1.25E-07
peak_8480	chr3	62142572	62142932	19264	intron (NM_001013547, intron 6 of 7)	NM_001017830_1	baiap2l1b	6.026251544	1.953960462	4.072291082	2.04E-09
peak_8562	chr15	31783179	31783690	21292	Intergenic	NM_200860	arl4aa	8.71534234	4.643784384	4.071557956	2.25E-09
peak_5941	chr15	30316661	30316912	7878	Intergenic	NM_001039811	zgc:136924	5.681503107	1.610447043	4.071056064	2.06E-11
peak_10446	chr6	6501987	6502338	-77132	Intergenic	NM_001014319	zgc:113227	6.065613587	1.994825282	4.070788305	2.56E-08
peak_10677	chr3	8595165	8595431	11178	intron (NM_001045247, intron 1 of 2)	NM_001045247	zgc:136308	4.28916694	0.219835396	4.069331545	3.40E-08
peak_11431	chr8	21988950	21989424	67816	Intergenic	NM_001040382	si:dkey-24f17.5	6.884630599	2.815862322	4.068768278	7.67E-08
peak_6631	chr6	35019117	35019508	32798	intron (NM_001256393, intron 18 of 18)	NM_199559	mier1a	5.99065441	1.92200137	4.06865304	8.72E-11
peak_6220	chr6	45062446	45062701	-367882	Intergenic	NM_001080051	cntn4	5.871525026	1.803732367	4.067792659	3.91E-11
peak_10311	chr1	26770625	26770970	-4057	Intergenic	NM_001045258	pspc1	4.713796698	0.646338197	4.067458501	2.21E-08
peak_6812	chr3	3823760	3824107	122933	Intergenic	NM_001114556	zgc:171446	6.162011373	2.094613526	4.067397847	1.22E-10
peak_5364	chr13	5109668	5110063	136081	Intergenic	NM_131893	meis1	7.572725943	3.505448425	4.067277518	5.41E-12
peak_6894	chr7	10971656	10971932	-276387	Intergenic	NM_214730	asb7	5.872253985	1.805399871	4.066854114	1.39E-10
peak_9817	chr16	29281731	29282020	170438	Intergenic	NM_001104936	alg2	5.780652226	1.713875669	4.066776557	1.27E-08
peak_10183	chr19	38921631	38923320	-85032	Intergenic	NM_001044714	dlgap3	9.98762708	5.920947855	4.066679225	1.91E-08
peak_2524	chr25	13373445	13374065	-55244	Intergenic	NM_001122702	LOC569861	8.319780573	4.25376578	4.066014793	1.71E-16
peak_11388	chr8	46734950	46735322	100056	Intergenic	NM_001017698	praf2	6.143415964	2.077505579	4.065910385	7.38E-08
peak_10667	chr11	14472300	14472775	31638	intron (NM_001017859, intron 3 of 6)	NM_001017859	palm1a	7.613586558	3.547787062	4.065799496	3.36E-08
peak_12025	chr10	2670213	2670782	-25571	Intergenic	NM_001128268	LOC794616	7.562157968	3.49645321	4.065704758	1.37E-07
peak_8708	chr24	22400951	22401233	15675	intron (NM_001257153, intron 4 of 10)	NM_001014829	flt1	5.779428557	1.713875669	4.065552888	2.78E-09
peak_8375	chr11	12256823	12257265	-1440	Intergenic	NM_001002392	zgc:92035	6.993945478	2.928951059	4.064994419	1.76E-09
peak_7889	chr1	49996074	49996388	7706	exon (NM_001114727, exon 3 of 7)	NM_001114727	zgc:175214	5.997917271	1.93401679	4.063900481	7.95E-10
peak_13721	chr11	46313232	46313966	22659	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	7.457098668	3.393412573	4.063686094	6.65E-07
peak_5230	chr14	14012618	14013424	-19953	Intergenic	NM_001159584	itln3	9.349778004	5.286139371	4.063638633	4.00E-12
peak_6321	chr1	23063476	23063788	-66746	Intergenic	NM_200059	rps3a	5.538994075	1.475978232	4.063015843	4.69E-11
peak_7678	chr25	25512835	25513306	-234592	Intergenic	NM_001002089_1	tsg101a	7.387746281	3.325168622	4.062577659	5.77E-10
peak_6456	chr23	30053597	30053963	1779	exon (NM_201199, exon 2 of 23)	NM_201199	pik3cd	6.36626559	2.303892846	4.062372744	6.16E-11
peak_7417	chr6	44855387	44855727	-522275	Intergenic	NM_001256392	pdzrn3b	5.771779668	1.709418433	4.062361235	3.75E-10
peak_9734	chr15	34492603	34492898	15916	intron (NM_199835, intron 1 of 12)	NM_199835	agfg1a	5.776199364	1.713875669	4.062323695	1.15E-08
peak_3948	chr23	3332080	3332435	91298	Intergenic	NM_131015	mafba	7.077736694	3.016018752	4.061717943	8.46E-14
peak_7655	chr25	18961293	18961529	-908	promoter-TSS (NM_205720)	NM_205720	tes	5.256689022	1.19500324	4.061685782	5.59E-10
peak_18782	chr20	26308967	26309658	103663	Intergenic	NM_152959	esr1	7.01473632	2.953659189	4.061077131	2.09E-05
peak_6975	chr13	31974601	31974969	34363	Intergenic	NM_001123056	prkcha	6.203578586	2.142537912	4.061040674	1.63E-10
peak_13952	chr20	44693139	44693708	8569	intron (NM_200812, intron 2 of 3)	NM_200812	fkbp1b	7.849702403	3.788823509	4.060878893	8.08E-07
peak_3672	chr6	12853687	12854233	19923	Intergenic	NM_131882	cxcr4a	7.814212043	3.753453203	4.06075884	3.02E-14
peak_11151	chr16	24357962	24358497	7220	intron (NM_001114318, intron 7 of 8)	NM_001114318	il6r	7.127281214	3.066727909	4.060553305	5.77E-08

peak_6416	chr16	27975884	27976167	-24357	Intergenic	NM_001128252	zgc:172162	5.850655209	1.790139794	4.060515415	5.74E-11
peak_6293	chr21	6996400	6996743	-100040	Intergenic	NM_001003459	crhbp	6.273888596	2.214234088	4.059654508	4.49E-11
peak_8624	chr10	37551404	37551720	16280	intron (NM_212686, intron 4 of 6)	NM_001089440	or104-1	5.66594746	1.606593419	4.059354041	2.44E-09
peak_9770	chr3	55800724	55801632	43411	intron (NM_001002228, intron 1 of 17)	NM_001002228	rhbdf1	8.688463276	4.629678385	4.058784891	1.19E-08
peak_10204	chr1	8897027	8897550	37317	intron (NM_200912, intron 10 of 17)	NM_200912	mad1l1	7.749133472	3.69056901	4.058564462	1.95E-08
peak_14602	chr9	45992683	45993069	-19626	exon (NM_200238, exon 10 of 20)	NM_199827	zgc:66484	6.55104315	2.493469792	4.057573358	1.35E-06
peak_2612	chr6	4091837	4092226	-223697	Intergenic	NM_200247	unc50	8.158544064	4.10233993	4.056204135	2.81E-16
peak_4832	chr4	6793047	6794195	24381	intron (NM_001201357, intron 13 of 16)	NM_001030108	elk3	9.43301188	5.376868044	4.056143837	1.40E-12
peak_6670	chr5	34283861	34284207	-125109	Intergenic	NM_199754	ier5l	5.458606642	1.402722361	4.055884281	9.26E-11
peak_5868	chr12	49407799	49408275	13967	intron (NM_198811, intron 1 of 18)	NM_198811	pald1a	6.847401958	2.791604063	4.055797895	1.77E-11
peak_6397	chr5	38886473	38886773	-3800	Intergenic	NM_001089532	zgc:163098	6.024583585	1.968954665	4.05562892	5.50E-11
peak_2566	chr1	36547259	36547714	-67224	intron (NM_001045250, intron 7 of 22)	NM_001130767	prmt9	8.52292142	4.467688864	4.055232556	2.09E-16
peak_11814	chr22	27287562	27288663	-50315	Intergenic	NM_001244080	capn8	9.602774303	5.547912667	4.054861636	1.11E-07
peak_10148	chr23	25691234	25691791	112224	Intergenic	NM_212641	pa2g4b	8.556384493	4.501962881	4.054421612	1.84E-08
peak_13315	chr11	33286117	33286599	249143	Intergenic	NM_001160822	pcdh17	7.34446812	3.290124951	4.054343169	4.70E-07
peak_21098	chr13	15788786	15789450	18283	intron (NM_200953, intron 1 of 14)	NM_200953	klc1a	7.38944431	3.335999564	4.053444746	7.01E-05
peak_2578	chr22	39849874	39850766	-11680	Intergenic	NM_001114703_1	zgc:172170	9.063606413	5.010271977	4.053334436	2.23E-16
peak_12693	chr6	27547451	27547894	-57213	intron (NM_001034179, intron 5 of 8)	NM_200602	cep63	7.142811937	3.089829434	4.052982504	2.61E-07
peak_6673	chr14	38961545	38961852	754799	Intergenic	NM_001048055	lect2l	5.234634996	1.182521187	4.052113809	9.31E-11
peak_4513	chr19	35061871	35063647	-3865	Intergenic	NM_001076776	runx1t1	10.06546877	6.013636152	4.051832619	5.56E-13
peak_7966	chr25	14872433	14873245	-82714	Intergenic	NM_200042	mpped2	7.518368177	3.466824613	4.051543564	9.05E-10
peak_15827	chr11	43541295	43541680	13962	exon (NM_001005987, exon 4 of 10)	NM_001005987	dennd6aa	7.425279025	3.373871872	4.051407153	3.33E-06
peak_3011	chr12	24112289	24112629	89157	Intergenic	NM_001202427	cdca9	6.736460507	2.68518527	4.051275237	2.15E-15
peak_3840	chr17	12435618	12436074	-74338	Intergenic	NM_001045342	emilin1b	7.724855296	3.673897545	4.05095775	5.88E-14
peak_13490	chr11	30837697	30838264	-3406	Intergenic	NM_001290418	zmp:0000001271	7.558547092	3.508048502	4.05049859	5.51E-07
peak_8788	chr9	21255971	21256417	149997	intron (NM_001159666, intron 2 of 8)	NM_001159666	igsf3	6.700901417	2.650663856	4.050237561	3.11E-09
peak_7915	chr6	21663736	21664384	20555	exon (NM_001118897, exon 22 of 22)	NM_001118897	evpla	7.380864851	3.330980581	4.049884269	8.35E-10
peak_14231	chr23	14945601	14946073	-8397	intron (NM_199797, intron 15 of 15)	NM_001114435	sla2	6.481727091	2.431948405	4.049778686	1.01E-06
peak_11714	chr22	19016277	19016632	-13462	Intergenic	NM_199968	atp5d	6.158612029	2.10908919	4.049522839	9.93E-08
peak_20639	chr13	21873523	21874366	-34742	Intergenic	NM_001082814	chchd1	7.316263055	3.267211207	4.049051847	5.70E-05
peak_14293	chr25	16580311	16580701	8596	intron (NM_001271913, intron 1 of 28)	NM_001271913	mical2b	6.480988878	2.431948405	4.049040472	1.05E-06
peak_5664	chr17	32626170	32626647	-50625	Intergenic	NM_001077604	klf11b	7.079047629	3.030362965	4.048684664	1.12E-11
peak_7813	chr5	19758700	19758988	57660	intron (NM_178304, intron 1 of 10)	NM_178304	zdhhc8b	5.711651682	1.663367097	4.048284586	7.14E-10
peak_11181	chr6	50469113	50469503	66203	Intergenic	NM_001126109	mych	6.806451228	2.758362659	4.048088569	5.95E-08
peak_6712	chr19	4500369	4500715	2865	Intergenic	NR_039149		6.80902538	2.762251753	4.046773628	1.02E-10
peak_8124	chr20	21038968	21039323	-34203	intron (NM_199889, intron 12 of 18)	NM_001024815	btbd6b	5.500574775	1.453857079	4.046717697	1.19E-09
peak_2249	chr12	50522486	50523906	-40811	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	10.33991421	6.293535326	4.046378883	2.99E-17
peak_8445	chr24	945962	946196	49004	Intergenic	NM_001013480	napgl	5.65287205	1.606593419	4.046278631	1.95E-09
peak_4512	chr6	28032244	28032651	24452	intron (NM_201198, intron 1 of 10)	NM_201198	lpp	6.280425303	2.234815556	4.045609747	5.56E-13
peak_13247	chr6	1395215	1395662	-3878	Intergenic	NM_200851	ntan1	7.499724671	3.454145017	4.045579654	4.39E-07
peak_14717	chr6	3693918	3694333	15209	exon (NM_001024951, exon 21 of 21)	NM_200703	gorasp2	6.538298398	2.493469792	4.044828606	1.48E-06
peak_2355	chr14	17829800	17830697	3012	exon (NM_001110289, exon 6 of 6)	NM_001110289	olfcg2	9.24589156	5.201172333	4.044719227	6.45E-17
peak_11560	chr13	6808566	6809129	36756	Intergenic	NM_001144794	exoc3l4	8.1311381	4.087727251	4.043410849	8.75E-08
peak_6999	chr25	1278964	1279797	72432	Intergenic	NM_213027	zgc:73185	7.566585442	3.523309413	4.043276029	1.69E-10
peak_6750	chr7	55072917	55073200	28726	intron (NM_200989, intron 2 of 10)	NM_200989	pacsin3	5.469096843	1.427629337	4.041467505	1.09E-10
peak_8404	chr18	38269486	38269892	182743	Intergenic	NM_001080165	gldn	6.759036003	2.717593703	4.041442301	1.85E-09
peak_11373	chr11	26775636	26776039	10934	intron (NM_001102617, intron 1 of 2)	NM_001102617	tmem51b	6.376652936	2.335454084	4.041198852	7.20E-08
peak_5908	chr9	11395381	11395647	135417	intron (NM_214787, intron 1 of 9)	NM_214787	asic4a	5.544213763	1.504137039	4.040076724	1.92E-11
peak_14087	chr13	12726450	12726800	56376	exon (NM_001145584, exon 24 of 84)	NM_001145584	si:ch211-233a24.	7.274323012	3.234466584	4.039856428	9.05E-07
peak_2547	chr23	35973350	35974328	3765	intron (NM_131339, intron 1 of 7)	NM_131339	rarga	9.269459159	5.22965585	4.039803309	1.87E-16
peak_4818	chr10	42969379	42970057	-154785	Intergenic	NM_001002414	cabp1b	8.396465561	4.357239782	4.039225779	1.33E-12
peak_11478	chr18	23729051	23729653	-70287	Intergenic	NM_131183	nr2f2	6.357948883	2.320455322	4.037493561	8.08E-08
peak_4106	chr25	24526160	24526635	25548	intron (NM_001002052, intron 4 of 4)	NM_001002052	mrpl23	6.559006718	2.521596809	4.037409909	1.43E-13
peak_6568	chr22	38591438	38591766	199957	Intergenic	NM_001113587	hykk.2	5.91051123	1.873110803	4.037400428	7.59E-11
peak_1894	chr24	43324986	43325878	94537	intron (NM_001018133, intron 2 of 9)	NM_001018133	ptprma	9.658367045	5.621291874	4.037075171	2.60E-18
peak_6949	chr21	5181776	5182025	-93580	Intergenic	NM_131441_1	notch1a	5.495710279	1.459176537	4.036533742	1.56E-10
peak_1248	chr7	9108810	9109623	12640	intron (NM_001077154, intron 2 of 14)	NM_001077154	f13a1b	8.892854042	4.856450922	4.03640312	8.05E-21
peak_9017	chr12	32398097	32398462	7734	3' UTR (NM_001111205, exon 8 of 10)	NM_001111205	slc35f3a	5.750245246	1.713875669	4.036369577	4.29E-09
peak_7297	chr7	54795652	54795945	-16309	Intergenic	NM_001076585	zgc:153993	5.815079557	1.780118871	4.034960686	3.06E-10
peak_8730	chr23	20003	20467	89788	Intergenic	NM_130985	twist3	6.413804549	2.378922404	4.034882145	2.87E-09
peak_7462	chr25	10820328	10820736	20522	intron (NM_199684, intron 22 of 24)	NM_199684	ppp6r3	5.777826552	1.743846573	4.033979979	4.04E-10
peak_9142	chr9	9975995	9976408	-83545	intron (NM_001039621, intron 6 of 10)	NM_131381	gsk3b	6.087174003	2.053520886	4.033653116	5.08E-09
peak_10228	chr25	11622667	11623006	-229380	Intergenic	NM_001265607	mespbb	5.939880765	1.907116997	4.032763767	2.01E-08
peak_7038	chr17	14944382	14944989	45797	Intergenic	NM_001136255	gch1	7.768859266	3.736254175	4.032605091	1.83E-10
peak_3876	chr22	15423582	15424010	2425	intron (NM_001007788, intron 1 of 7)	NM_001007788	mfng	7.136244659	3.104022587	4.032222071	6.86E-14
peak_12676	chr20	33307446	33307909	-25687	Intergenic	NM_212614	mycn	7.520405368	3.488670915	4.031734453	2.57E-07
peak_4324	chr12	32913163	32913667	-123127	intron (NM_001034980, intron 7 of 7)	NM_131259	tcf7l2	6.770370557	2.739212163	4.031158393	2.91E-13
peak_7752	chr6	52520987	52521508	-3048	Intergenic	NM_001076755	uqcc1	6.245141475	2.214234088	4.030907387	6.50E-10
peak_3108	chr12	45359235	45359896	-183659	Intergenic	NM_001110011	dock1	8.466156117	4.435519524	4.030636593	2.98E-15
peak_8330	chr9	27816001	27816666	-546865	Intergenic	NM_001126402	si:rp71-84d19.3	9.24516291	5.214648939	4.030513971	1.66E-09
peak_12358	chr7	68864709	68865096	248409	Intergenic	NM_200672	swap70a	6.791013355	2.760518657	4.030494698	1.91E-07
peak_7901	chr23	28248338	28248719	21737	Intergenic	NM_194371	sp5l	6.140302384	2.109921543	4.030380841	8.13E-10
peak_4851	chr21	43678942	43679667	14241	intron (NM_001127465, intron 2 of 20)	NM_001127465	fnip1	9.053024925	5.023001719	4.030023206	1.51E-12
peak_7819	chr18	29155698	29155931	-196395	Intergenic	NM_131844	maf	5.394564553	1.364650599	4.029913954	7.20E-10
peak_11079	chr25	19640898	19641282	1692	intron (NM_001080990, intron 1 of 9)	NM_001080990	mfge8b	6.878092694	2.848300087	4.029792608	5.38E-08
peak_12935	chr10	38267099	38267833	-126120	Intergenic	NM_001007363	dhrs13a.1	8.345406893	4.315749029	4.029657864	3.28E-07
peak_834	chr15	6711481	6712197	13867	Intergenic	NM_001005991_1	zgc:103530	10.6374712	6.608064083	4.029407121	2.01E-23
peak_5957	chr1	41014611	41015098	9026	intron (NM_203321, intron 4 of 18)	NM_203321	naa15b	6.489851149	2.460823252	4.029027897	2.13E-11
peak_10857	chr10	42686535	42687123	-19422	Intergenic	NM_001003536	brf2	7.490815063	3.461814625	4.029000439	4.16E-08
peak_11410	chr3	28662939	28663413	153234	Intergenic	NM_001201336	fbxl16	6.685567099	2.656775183	4.028791916	7.51E-08
peak_2613	chr4	56167029	56167423	553274	Intergenic	NM_001111199	zgc:173710	7.238117344	3.209454684	4.02866266	2.83E-16
peak_10087	chr8	30995786	30996217	14674	intron (NM_001040637, intron 9 of 12)	NR_030026		6.607743759	2.579086244	4.028657515	1.71E-08
peak_11945	chr20	23974975	23975509	32377	Intergenic	NM_212819	cx52.6	8.144215978	4.116928517	4.027287461	1.28E-07
peak_8714	chr18	33567305	33567916	-5475	Intergenic	NM_001114446	tbrg1	8.185590144	4.158455884	4.02713426	2.81E-09
peak_7871	chr9	9055088	9055436	-19622	Intergenic	NM_001040356	ing1	6.076443574	2.049999762	4.026443813	7.71E-10
peak_9104	chr13	7540586	7540796	-77987	Intergenic	NM_001037101	hells	5.739973482	1.713875669	4.026097813	4.87E-09
peak_6359	chr23	5290810	5291261	42636	intron (NM_181498, intron 9 of 10)	NM_001128815	zgc:194242	7.030649868	3.005858803	4.024791065	5.09E-11
peak_6897	chr24	25442968	25443360	3489	intron (NM_001039982, intron 2 of 7)	NM_001039982	trim55b	5.900218919	1.875636386	4.024582532	1.39E-10
peak_12624	chr4	18003868	18004387	3395	intron (NM_199533, intron 1 of 7)	NM_199533	rap1b	7.407609975	3.383585769	4.024024206	2.44E-07
peak_7121	chr1	6430119	6430484	-24648	Intergenic	NM_001128672	mxb	5.597056379	1.573243267	4.023813113	2.18E-10
peak_1786	chr18	27098078	27098863	52601	intron (NM_001136243, intron 3 of 26)	NM_001136243	plekha7a	8.813530931	4.789779316	4.023751615	1.11E-18
peak_2333	chr23	37084846	37085712	98790	Intergenic	NM_001020621	cpsf3l	9.555202374	5.531522619	4.023679755	5.81E-17
peak_8495	chr19	2278224	2278569	36208	intron (NM_198819, intron 28 of 28)	NM_001007153	twistnb	5.514136814	1.490687863	4.023448951	2.09E-09
peak_7309	chr11	31888483	31888881	212447	Intergenic	NM_001014332	man2b1	6.865859134	2.842731316	4.023127818	3.11E-10
peak_9614	chr10	28750119	28750478	-39501	intron (NM_001281468, intron 4 of 29)	NM_001020542	ints2	5.836466561	1.813729373	4.022737188	9.73E-09
peak_5408	chr10	41043342	41043652	-213953	Intergenic	NM_200744	smfn	5.74983673	1.72711151	4.02272522	6.07E-12
peak_8543	chr1	18150045	18150509	-5580	Intergenic	NM_001114686	rbm47	7.096370578	3.073829296	4.022541281	2.21E-09
peak_6937	chr5	41884053	41884545	33130	Intergenic	NM_001100006	snx18a	8.357558488	4.335373447	4.022185042	1.51E-10
peak_4220	chr24	39782240	39782956	14230	exon (NM_001003498, exon 5 of 6)	NM_001003498	zgc:91999	9.003559714	4.98172701	4.021832704	2.12E-13
peak_7220	chr11	43256419	43256728	-152987	Intergenic	NM_001105592	her15.2	5.660306983	1.638852308	4.021454675	2.67E-10
peak_4848	chr6	19322549	19322791	13610	exon (NM_001082826, exon 15 of 20)	NM_001083876	si:dkey-10p5.7	6.040389474	2.01901902	4.021370454	1.50E-12
peak_8253	chr15	8741601	8742677	-160885	Intergenic	NM_213155	ap2s1	6.609744952	2.588796055	4.020948897	1.47E-09
peak_19584	chr20	25432786	25433681	8555	intron (NM_001144800, intron 3 of 37)	NM_001144800	itsn2a	8.439172999	4.419187614	4.019985385	3.25E-05
peak_10240	chr11	28403038	28403356	11304	intron (NM_001080596, intron 1 of 9)	NM_001080596	ptpdc1	7.026261384	3.007298844	4.01896254	2.02E-08
peak_5790	chr21	10060072	10060669	18101	intron (NM_001130591, intron 2 of 29)	NM_001130591	cast	7.714178899	3.695258803	4.018920096	1.49E-11

peak_14492	chr2	21655285	21655876	4023	intron (NM_001017571, intron 1 of 8)	NM_001017571	ca8	6.862440068	2.843896919	4.018543149	1.25E-06
peak_14737	chr11	44195323	44195926	-72265	Intergenic	NM_212914	foxg1b	7.852956023	3.834604052	4.018351971	1.50E-06
peak_6298	chr2	15129912	15130547	15068	intron (NM_001006023, intron 7 of 12)	NM_001006023	tecrl2	7.687814308	3.669772645	4.018041663	4.52E-11
peak_4164	chr5	65902390	65902935	-40903	Intergenic	NM_001039813	adora2b	8.321912053	4.304000416	4.017911637	1.74E-13
peak_3909	chr9	18336846	18337790	-37680	Intergenic	NM_001128338	vwa8	10.24310597	6.225905681	4.017200293	7.46E-14
peak_2540	chr8	14668300	14668874	-585	promoter-TSS (NM_001130646)	NM_001130646	si:dkey-6n6.1	7.151352378	3.134736367	4.016616011	1.81E-16
peak_6664	chr20	8528391	8529034	68337	intron (NM_001040685, intron 1 of 25)	NM_001040685	dab1a	8.073249228	4.056910625	4.016338603	9.20E-11
peak_4901	chr6	21249608	21250026	128457	Intergenic	NM_001082841	znf326	6.761469811	2.745756622	4.015713189	1.72E-12
peak_10074	chr7	27067347	27067868	20901	intron (NM_201124, intron 1 of 14)	NM_201124	arrb2b	7.147945884	3.132704398	4.015241486	1.69E-08
peak_1209	chr14	21956114	21956740	25296	intron (NM_199273, intron 3 of 13)	NM_199273	zgc:66433	8.98362555	4.968400928	4.015224622	4.65E-21
peak_8463	chr23	7660925	7661481	7003	Intergenic	NM_153652	plagl2	6.898550632	2.883713692	4.01483694	1.99E-09
peak_8918	chr17	25494882	25495443	-4395	Intergenic	NM_001004527	ppp1cb	6.727359509	2.712596865	4.014762643	3.74E-09
peak_5307	chr24	19002144	19002814	-6731	intron (NM_001020683, intron 4 of 6)	NM_001002499	sec61g	9.35301902	5.338502228	4.014516792	4.89E-12
peak_12125	chr2	21467515	21467882	37047	intron (NM_001080042, intron 2 of 3)	NM_001080042	zgc:158346	6.169990197	2.155703238	4.014286959	1.51E-07
peak_7143	chr1	275276	275683	-46674	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	6.923812271	2.909891604	4.013920668	2.26E-10
peak_5655	chr5	58970979	58971456	-2104	Intergenic	NM_001079702	pisd	6.58080074	2.567269242	4.013531498	1.10E-11
peak_15524	chr25	12349863	12350483	188675	intron (NM_001256664, intron 4 of 16)	NM_001256664	ntrk3a	8.656703265	4.643770565	4.0129327	2.67E-06
peak_6142	chr12	9351995	9352383	28247	Intergenic	NM_001002613	nrbf2b	5.870751862	1.857866775	4.012885087	3.32E-11
peak_9352	chr8	11394956	11395459	12433	intron (NM_001004579, intron 1 of 14)	NM_001004579	pip5k1bb	7.451198588	3.43876026	4.012438328	6.86E-09
peak_8305	chr7	68845956	68846248	267209	Intergenic	NM_200672	swap70a	5.892445813	1.880097223	4.01234859	1.60E-09
peak_19660	chr12	50210862	50211605	12071	Intergenic	NM_001002570_1	zgc:92749	8.699788396	4.68834204	4.011446357	3.41E-05
peak_4853	chr4	19755609	19755944	7089	intron (NM_001045143, intron 1 of 36)	NM_001045143	nav3	6.524471141	2.513532051	4.01093909	1.52E-12
peak_10059	chr3	30069658	30069963	4247	intron (NM_001001949, intron 17 of 19)	NR_002877		5.824056051	1.813729373	4.010326678	1.66E-08
peak_6499	chr9	48494153	48494784	387450	Intergenic	NM_001003480	zgc:92380	9.036705403	5.026511991	4.010193413	6.74E-11
peak_8411	chr5	24477073	24477342	16093	Intergenic	NM_001202424	si:ch73-26o5.1	5.500574775	1.490687863	4.009886912	1.86E-09
peak_11016	chr4	17943768	17944135	-24402	intron (NM_199533, intron 3 of 7)	NM_001045043	mcat	6.081646992	2.071799355	4.009847637	5.01E-08
peak_13675	chr18	28304346	28305202	388128	Intergenic	NM_131515	spon1a	7.966111667	3.957192572	4.008919096	6.41E-07
peak_3795	chr25	13491056	13491868	61391	Intergenic	NM_199604	map1lc3b	6.589757247	2.581051433	4.008705814	4.87E-14
peak_15544	chr16	34198261	34198587	-5797	Intergenic	NR_027750		6.561117372	2.552474647	4.008642725	2.70E-06
peak_12113	chr21	34411850	34412533	119000	Intergenic	NM_200048	rars	8.124127982	4.115699157	4.008428824	1.49E-07
peak_6026	chr16	55448022	55448548	22187	intron (NM_001163294, intron 11 of 58)	NR_030656		8.045484403	4.037795574	4.00768883	2.52E-11
peak_8236	chr17	25495688	25495958	-5056	Intergenic	NM_001004527	ppp1cb	5.498144577	1.490687863	4.007456714	1.41E-09
peak_5244	chr6	1223133	1223715	61839	intron (NM_001110010_1, intron 3 of 17)	NM_001110010_1	plxna1b	8.746769167	4.740091073	4.006678093	4.16E-12
peak_18655	chr3	17267085	17267909	8057	intron (NM_201501, intron 1 of 5)	NM_201501	rab5c	8.26746068	4.261243326	4.006217354	1.94E-05
peak_11201	chr16	7912988	7913359	-51164	Intergenic	NR_023328		6.001030212	1.994825282	4.00620493	6.00E-08
peak_14137	chr14	21927316	21927991	-3478	Intergenic	NM_199273	zgc:66433	7.457606365	3.451478448	4.006127918	9.39E-07
peak_15291	chr16	40202239	40202676	-288326	Intergenic	NM_001037432	zgc:123285	7.080022939	3.074167472	4.005855467	2.25E-06
peak_5395	chr8	14572989	14573943	-2131	Intergenic	NM_001128285	ugt5e1	8.584322526	4.578856282	4.005466244	5.84E-12
peak_9490	chr8	31556457	31556753	9116	exon (NM_199616, exon 3 of 10)	NM_199616	upb1	5.777024883	1.771592457	4.005432426	8.28E-09
peak_6911	chr23	40535951	40536897	-12917	Intergenic	NM_001103125	fam46ab	8.908526576	4.90318087	4.005345705	1.45E-10
peak_6662	chr20	29601464	29602048	9928	intron (NM_201513, intron 2 of 5)	NM_201513	ywhaqa	8.137724058	4.132672712	4.005051346	9.16E-11
peak_12000	chr16	14313203	14314058	41315	Intergenic	NM_001289880	rasip1	6.798758701	2.793762393	4.004996308	1.35E-07
peak_11403	chr25	20405384	20405708	-31824	Intergenic	NM_001130626	kcna6	6.03637535	2.031824933	4.004550417	7.45E-08
peak_7180	chr4	8392046	8392354	29967	intron (NM_001030095, intron 8 of 19)	NM_001030090	si:ch211-125a15.	6.202683352	2.198417219	4.004266133	2.43E-10
peak_9379	chr1	39477345	39477638	-206766	Intergenic	NM_205734	vegfc	5.850655209	1.846475529	4.004179679	7.15E-09
peak_8012	chr11	27976369	27976587	-95956	Intergenic	NM_001002171_1	hdac11	5.582879772	1.579327125	4.003552647	9.79E-10
peak_5947	chr16	8655981	8656385	6589	intron (NM_199515, intron 3 of 6)	NM_199515	prdm1a	5.972170782	1.968954665	4.003216117	2.08E-11
peak_6756	chr12	2538992	2539229	248152	Intergenic	NM_131721	mapk8b	5.804080716	1.801217016	4.0028637	1.10E-10
peak_8129	chr25	23671143	23671488	-58500	Intergenic	NM_001002364	mob2a	5.837235881	1.83517185	4.002064031	1.20E-09
peak_9945	chr6	39223207	39223493	20533	Intergenic	NM_131509	krt4	5.773411846	1.771592457	4.00181939	1.47E-08
peak_13993	chr10	28645773	28646183	64819	Intergenic	NM_001020542	ints2	6.368928192	2.367686229	4.001241963	8.37E-07
peak_21934	chr18	38266820	38267144	180036	Intergenic	NM_001080165	gldn	4.22103851	0.219835396	4.001203114	0.000106
peak_8071	chr18	7050146	7050621	-7033	Intergenic	NM_200888	zgc:77752	8.38339972	4.383158319	4.000241401	1.09E-09
peak_11951	chr6	52975622	52976137	25078	Intergenic	NM_199788	fam212ab	8.086517647	4.086501494	4.000016153	1.29E-07
peak_10982	chr23	28162159	28162444	-64729	Intergenic	NM_153643	acvrl1	5.994817712	1.994825282	3.99999243	4.80E-08
peak_4846	chr25	15871128	15871789	-133591	Intergenic	NM_131517	spon1b	6.382741171	2.383467907	3.999273264	1.48E-12
peak_1064	chr5	74764556	74766813	69134	Intergenic	NM_001003993	ak1	11.13742495	7.138594192	3.998830757	6.53E-22
peak_11685	chr3	46510625	46511404	28276	Intergenic	NM_001115104	si:ch211-66e2.3	7.372522667	3.373760643	3.998762024	9.69E-08
peak_11701	chr12	26321101	26321482	17200	intron (NM_001017555, intron 1 of 5)	NM_001017555	foxn2b	6.076098726	2.077505579	3.998593147	9.80E-08
peak_4612	chr17	37968239	37968580	-5035	Intergenic	NM_001077153	zfp36l1a	6.434347161	2.435941418	3.998405743	7.39E-13
peak_6205	chr3	59120881	59121626	86183	Intergenic	NM_001002657	uqcrc2a	9.342021112	5.344334235	3.997686877	3.76E-11
peak_6010	chr21	36089424	36089904	-148493	Intergenic	NM_001002534	nop16	8.032592142	4.035289401	3.997302741	2.41E-11
peak_7943	chr16	18255595	18255926	7641	Intergenic	NM_001013301	upp1	5.22346309	1.226539182	3.996923908	8.68E-10
peak_10057	chr8	53774746	53775391	10223	intron (NM_152962, intron 1 of 16)	NM_152962	fgfr1a	6.928884129	2.932266403	3.996617726	1.66E-08
peak_18227	chr21	36837499	36837951	66013	intron (NM_001007405_1, intron 7 of 11)	NM_213387	pgk1	6.853140658	2.856709491	3.996431168	1.55E-05
peak_14238	chr23	25694464	25694863	115375	Intergenic	NM_212641	pa2g4b	7.199369884	3.203247263	3.996122621	1.01E-06
peak_8923	chr13	37350244	37350726	-9467	Intergenic	NM_001020816	frmd6	7.715034565	3.718923807	3.996110759	3.77E-09
peak_7604	chr18	30554797	30555109	42685	Intergenic	NM_001002622	irf8	5.704501946	1.708547363	3.995954583	5.12E-10
peak_11073	chr13	46682987	46683268	-61987	Intergenic	NM_213133	marcksl1a	5.99065441	1.994825282	3.995829128	5.36E-08
peak_9501	chr5	45531870	45532728	43328	Intergenic	NM_001013558	zgc:112966	8.898352903	4.903417669	3.994935234	8.36E-09
peak_5433	chr8	8738524	8739074	-142930	Intergenic	NM_001122628_1		7.061494943	3.066855959	3.994638984	6.58E-12
peak_6518	chr19	16781915	16782208	40292	Intergenic	NM_212682	clic1	6.112553586	2.118277815	3.994275771	7.01E-11
peak_14663	chr6	14871649	14872837	-8638	Intergenic	NM_001045396	mrps9	9.527861477	5.533616707	3.99424477	1.41E-06
peak_14572	chr13	17666936	17667387	-54339	Intergenic	NM_001163808	comtd1	6.426174133	2.431948405	3.994225727	1.31E-06
peak_1456	chr7	75641548	75642745	-80490	Intergenic	NM_001077468	mrpl21	9.872710571	5.879046592	3.993663979	7.01E-20
peak_12288	chr15	3386566	3387055	4644	exon (NM_001080638, exon 2 of 7)	NM_001080638	slc25a15a	7.403827192	3.410240057	3.993587135	1.77E-07
peak_14451	chr5	45108987	45109369	20052	intron (NM_001099974, intron 6 of 9)	NM_001099974	rhobtb2a	6.659654737	2.666539069	3.993115668	1.21E-06
peak_18545	chr15	27804638	27805406	-26835	Intergenic	NM_001030229	ankrd13b	7.148875726	3.155821259	3.993054467	1.82E-05
peak_12313	chr5	47794297	47794684	-12831	intron (NM_001128340, intron 32 of 37)	NM_001114846	f2r	6.148401839	2.155703238	3.9926986	1.81E-07
peak_12296	chr7	22549298	22549621	107840	Intergenic	NM_001017564	zgc:113025	6.147781807	2.155703238	3.992078569	1.79E-07
peak_5932	chr8	55066779	55067083	5301	exon (NM_001080987, exon 3 of 6)	NM_001080987	cyr61	6.047406821	2.056601782	3.99080504	2.02E-11
peak_10406	chr16	25634452	25634679	-2513	Intergenic	NM_213003	s100a10b	5.663805955	1.673255946	3.990550009	2.46E-08
peak_6166	chr1	24655732	24656049	-3750	Intergenic	NM_001251945	gucy1b3	6.050395544	2.060106849	3.990288695	3.51E-11
peak_9555	chr13	43238930	43239833	-16006	Intergenic	NM_200659	mlh1	8.600248915	4.610114143	3.990134772	9.01E-09
peak_7986	chr9	35747810	35748452	65584	Intergenic	NM_001159670	tslpr	7.8089159	3.819583324	3.989332576	9.32E-10
peak_15413	chr13	11485338	11486003	-6984	Intergenic	NM_199571	ube2d3	7.062811119	3.074167472	3.988643647	2.44E-06
peak_1280	chr24	40596194	40597609	-137383	Intergenic	NM_205554	atp6v0cb	10.54431081	6.555702369	3.988608444	1.13E-20
peak_6795	chr6	3110956	3111220	-30300	Intergenic	NM_200355	st3gal3a	5.341744134	1.353267399	3.988476734	1.16E-10
peak_7542	chr8	19825031	19825433	-33962	exon (NM_205637, exon 5 of 20)	NM_212872	zgc:77486	6.267892874	2.279494846	3.988398028	4.72E-10
peak_6234	chr17	32088148	32088523	183853	Intergenic	NM_001013327	mettl10	5.95701151	1.968954665	3.988056846	3.98E-11
peak_3522	chr4	9807607	9808051	21510	exon (NM_001290178, exon 30 of 68)	NM_001290178	stab2	6.720680031	2.73315139	3.987528641	1.67E-14
peak_1206	chr2	2835314	2836157	-52908	Intergenic	NM_207059	aqp1a.1	9.831779686	5.844499857	3.987279829	4.48E-21
peak_8662	chr14	29264417	29264913	-162262	Intergenic	NM_200688	zgc:64189	8.152752642	4.165992335	3.986760308	2.55E-09
peak_6079	chr5	29527868	29528205	-14821	Intergenic	NM_001076718	adam28	6.194265903	2.207928134	3.986337769	2.91E-11
peak_8202	chr13	31838468	31838755	7186	Intergenic	NM_001009904	six1a	5.35096278	1.364650599	3.986312181	1.35E-09
peak_6008	chr1	11126105	11126426	-22712	Intergenic	NM_001008591_1	tspan5b	6.064280799	2.080287034	3.983993765	2.40E-11
peak_13951	chr15	32265931	32266592	125827	Intergenic	NM_199743	zgc:73340	7.438662468	3.454793971	3.983868497	8.07E-07
peak_7118	chr1	36997599	36998119	-48121	Intergenic	NM_001135121	dclk2	8.679615163	4.695959986	3.983655176	2.17E-10
peak_4751	chr12	24109806	24110246	86724	Intergenic	NM_001202427	cdca9	6.668568554	2.685233101	3.983335454	1.09E-12
peak_11823	chr19	43477881	43478221	48866	intron (NM_001104526, intron 6 of 56)	NM_001104526	trioa	6.059343976	2.077505579	3.981838397	1.11E-07
peak_4310	chr11	17111509	17111808	152278	Intergenic	NM_001110030	kbtbd8	6.187024224	2.205343757	3.981680468	2.80E-13
peak_6514	chr12	6777441	6777912	-23502	intron (NM_001077614, intron 1 of 5)	NM_001007763	asah2	7.592292508	3.610617535	3.981674973	6.90E-11
peak_3553	chr6	47796556	47796922	9637	exon (NM_200112, exon 7 of 16)	NM_200112	padi2	6.495466623	2.514600703	3.98086592	1.91E-14
peak_1006	chr21	43753638	43754877	-60712	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	9.934209224	5.953754003	3.980455221	2.95E-22
peak_1270	chr5	71381602	71382300	15943	Intergenic	NM_001168464	tnfsf13	8.67056003	4.690156247	3.980403783	1.01E-20

peak_7214	chr21	11511773	11511994	8365	intron (NM_001040036, intron 1 of 1)	NM_001040036	adora2ab	5.339030839	1.358970226	3.980060613	2.62E-10
peak_4685	chr7	36654758	36655120	-29479	Intergenic	NM_201335	tppp3	6.846469292	2.866412915	3.980056377	8.98E-13
peak_13273	chr23	26722034	26722537	41117	Intergenic	NM_001195247	si:dkey-205h13.1	7.000495159	3.020929105	3.979566055	4.54E-07
peak_5120	chr10	7421971	7422494	-2892	Intergenic	NM_001002346	hvcn1	7.632812487	3.653532837	3.97927965	3.13E-12
peak_11674	chr1	57827488	57827815	-158063	intron (NM_001113805_2, intron 8 of 10)	NM_001033742	b3gntl1	5.886096661	1.907116997	3.978979664	9.60E-08
peak_6407	chr24	12763090	12763965	25379	Intergenic	NM_001098392	nanog	8.764907743	4.786479753	3.97842799	5.61E-11
peak_4305	chr1	23099413	23100008	-30668	Intergenic	NM_200059	rps3a	7.743381311	3.765175966	3.978205345	2.73E-13
peak_2658	chr20	6762156	6762841	122343	Intergenic	NM_001171033	si:ch211-191a24.	8.892492077	4.914517895	3.977974182	3.46E-16
peak_4657	chr14	48634711	48635120	24556	TTS (NM_201014)	NM_201014	rom1b	6.507130036	2.529203966	3.97792607	8.26E-13
peak_1670	chr22	31848120	31848854	-34413	Intergenic	NM_205574	pvalb7	8.266612563	4.289540058	3.977072505	4.86E-19
peak_11755	chr3	47661385	47661700	14184	intron (NM_199868, intron 4 of 21)	NM_199868	hgs	6.633255515	2.656775183	3.976480332	1.04E-07
peak_1272	chr3	57978591	57979443	-71550	Intergenic	NM_001123516	fscn2a	10.12369336	6.147746307	3.975947049	1.03E-20
peak_14698	chr15	39575815	39576103	22596	intron (NM_131395, intron 1 of 1)	NM_131395	mtnr1ba	6.407861376	2.431948405	3.97591297	1.46E-06
peak_17908	chr1	39208539	39209081	36060	Intergenic	NM_212948	spcs3	6.791223461	2.81595363	3.975269831	1.29E-05
peak_8776	chr24	19627547	19627915	-131956	Intergenic	NM_001089499	zgc:162928	6.901128219	2.926189454	3.974938765	3.04E-09
peak_1139	chr1	5146231	5148283	39584	Intergenic	NM_001256242	gtf3c3	9.962603467	5.987955321	3.974648146	1.89E-21
peak_6772	chr2	35211900	35212261	75769	Intergenic	NM_131036	tnw	6.065613587	2.091233224	3.974380363	1.12E-10
peak_9191	chr4	25010052	25010377	10427	intron (NM_001114575, intron 3 of 12)	NM_001114575	vetz	6.5810438	2.606955377	3.974088423	5.43E-09
peak_1763	chr9	29415716	29416484	16279	intron (NM_001044766, intron 1 of 3)	NM_001044766	klf7b	9.248966306	5.27512642	3.973839887	9.27E-19
peak_7237	chr18	26971125	26971510	-49066	Intergenic	NM_001030263	rcn2	6.256993301	2.283632269	3.973361031	2.75E-10
peak_6067	chr10	29881729	29882173	2775	intron (NM_200927, intron 1 of 19)	NM_200927	picalma	5.766134947	1.792814747	3.9733202	2.80E-11
peak_9965	chr2	9601093	9601427	6310	intron (NM_212577, intron 2 of 10)	NM_212577	ap2m1a	5.786638878	1.813729373	3.972909505	1.50E-08
peak_11085	chr16	31747608	31748003	-5480	Intergenic	NM_001017778	ctsk	6.37848849	2.405679011	3.972809479	5.40E-08
peak_14539	chr14	32571450	32572036	44414	Intergenic	NM_001007287	fhl1a	7.194115769	3.222762697	3.971353072	1.29E-06
peak_9524	chr6	7513818	7514234	63493	Intergenic	NM_001002070	pa2g4a	7.337264456	3.366268479	3.970995977	8.59E-09
peak_4313	chr7	49572827	49573349	135116	Intergenic	NM_131427	cpeb1b	8.279364247	4.308477274	3.970886972	2.83E-13
peak_9173	chr3	47299066	47299326	-22683	Intergenic	NM_001030248	rcvrna	4.679788522	0.709096771	3.970691751	5.30E-09
peak_12691	chr25	37857987	37858654	239741	intron (NM_200913, intron 8 of 8)	NM_200913	wwox	8.369276187	4.399650077	3.96962611	2.61E-07
peak_3886	chr12	16620397	16621250	107146	Intergenic	NM_001162849	nmt1b	8.629700995	4.661778296	3.967922699	7.01E-14
peak_14454	chr7	35541956	35542360	-6646	Intergenic	NM_001024810	smad6a	6.267624182	2.300427624	3.967196558	1.22E-06
peak_4463	chr5	19348850	19349314	-209905	Intergenic	NM_001100015	chfr	7.24584901	3.278942714	3.966906295	4.88E-13
peak_3392	chr5	12219171	12219992	-267971	Intergenic	NM_001195784	fep15	8.606135251	4.63932167	3.966813581	1.01E-14
peak_952	chr21	4407462	4408234	-11140	intron (NM_131441, intron 3 of 22)	NM_201126	rapgef1b	10.02011571	6.053858652	3.966257056	1.04E-22
peak_7471	chr6	6966390	6967021	2490	intron (NM_001004602, intron 1 of 13)	NM_001004602	bin1b	7.647167322	3.68099042	3.966176902	4.08E-10
peak_6951	chr7	35051386	35051842	-33341	Intergenic	NM_131780	gro1	8.26043471	4.294739546	3.965695163	1.56E-10
peak_6952	chr12	46068140	46068420	95628	Intergenic	NM_212945	mrpl38	5.952737502	1.98810902	3.964628482	1.56E-10
peak_12896	chr18	41364365	41364796	40418	intron (NM_001167569, intron 2 of 5)	NM_001167569	pvrl1b	7.457363486	3.492914629	3.964448858	3.15E-07
peak_12078	chr3	35863478	35864088	-33562	Intergenic	NM_001017817	crlf3	8.605298571	4.640882913	3.964415658	1.44E-07
peak_8850	chr5	37943336	37943641	-14637	Intergenic	NM_131805	efnb1	5.455102635	1.490687863	3.964414772	3.41E-09
peak_11240	chr25	20298653	20299038	74735	Intergenic	NM_001004622	zgc:101783	5.871149453	1.907116997	3.964032455	6.27E-08
peak_16717	chr21	747002	747467	85324	Intergenic	NM_194432	oaz2a	7.039888319	3.075899861	3.963988458	6.02E-06
peak_7132	chr21	32648697	32649040	-262204	Intergenic	NM_200026	rps14	5.260135339	1.297210701	3.962924638	2.23E-10
peak_9053	chr9	31807280	31807549	54058	intron (NM_001109865, intron 4 of 5)	NM_001109865	klf12b	5.530457231	1.567723154	3.962734077	4.55E-09
peak_10370	chr20	33101700	33102192	111834	intron (NM_001044807, intron 27 of 52)	NM_001044807	nbas	8.555377708	4.592718873	3.962658835	2.35E-08
peak_2604	chr3	6985263	6986454	15885	intron (NM_205613, intron 2 of 4)	NM_205613	hn1b	9.833084708	5.87078034	3.962304368	2.70E-16
peak_19092	chr2	32867043	32868199	-39882	Intergenic	NM_001076570	rnf220a	8.311955963	4.351483727	3.960472236	2.50E-05
peak_6639	chr12	29005814	29006113	-27285	Intergenic	NM_001002450	meox1	5.46509159	1.505186243	3.959905347	8.86E-11
peak_9601	chr16	11962709	11963183	27085	Intergenic	NM_198818	tubb5	6.84109871	2.881734279	3.959364431	9.61E-09
peak_16372	chr14	40412940	40413435	-26895	Intergenic	NM_001008647	zgc:101583	7.531408268	3.572066197	3.959342071	4.81E-06
peak_13552	chr4	13429666	13431046	21258	Intergenic	NM_001162854	LOC799612	9.081804563	5.123059091	3.958745472	5.77E-07
peak_16101	chr16	44787155	44787922	36	promoter-TSS (NM_001008780)	NM_001008780	fli1b	7.630699769	3.672358649	3.95834112	4.01E-06
peak_7860	chr21	14383608	14384167	38581	intron (NM_131840, intron 3 of 10)	NM_131840	tnfrsfa	7.034176789	3.076195288	3.9579815	7.62E-10
peak_7786	chr16	23660031	23660459	-86253	Intergenic	NM_001256189	mpp6a	7.034018823	3.076195288	3.957823534	6.78E-10
peak_16637	chr14	9901869	9902269	-108378	Intergenic	NM_213447	tmem129	6.569706697	2.612105425	3.957601272	5.71E-06
peak_6361	chr14	34300871	34301281	1873	intron (NM_212626, intron 1 of 10)	NM_212626	Sep-06	6.609069437	2.652606771	3.956462666	5.10E-11
peak_10485	chr12	24390265	24390805	-31960	Intergenic	NM_001098733	mkxa	7.118903806	3.162687961	3.956215845	2.69E-08
peak_12334	chr23	25683665	25684059	104574	Intergenic	NM_212641	pa2g4b	7.344197531	3.388001777	3.956195754	1.86E-07
peak_14783	chr1	2582587	2582981	113042	intron (NM_001109719, intron 2 of 3)	NM_001109719	zgc:171629	7.617958078	3.662003525	3.955954552	1.55E-06
peak_6476	chr20	19749816	19750132	115431	Intergenic	NM_131597	nme6	5.68663467	1.731514499	3.955120171	6.44E-11
peak_4150	chr23	10428636	10429326	-25103	Intergenic	NM_178437	krt18	8.701758832	4.746692602	3.95506623	1.66E-13
peak_7520	chr22	13217002	13217272	-34852	intron (NM_131264, intron 2 of 10)	NM_001024816	ahr1b	5.938785013	1.983794631	3.954990382	4.53E-10
peak_11369	chr6	42744429	42744734	-7113	Intergenic	NM_001014822	sema3fa	5.949539232	1.994825282	3.95471395	7.17E-08
peak_12153	chr21	30434325	30434847	369173	Intergenic	NM_001098766	zgc:165573	7.914799627	3.960521627	3.954278	1.56E-07
peak_6420	chr7	38952368	38952747	61837	Intergenic	NM_001043333	nkd1	5.876772819	1.922556384	3.954216436	5.80E-11
peak_3020	chr13	28472070	28472771	15038	intron (NM_001077778, intron 1 of 9)	NM_001077778	smap1	9.312000644	5.357913209	3.954087435	2.20E-15
peak_9686	chr12	1877393	1877787	207162	Intergenic	NM_001045248_1	usp22	7.46884141	3.515060787	3.953780622	1.06E-08
peak_1605	chr24	41423976	41424591	-150257	Intergenic	NM_001045408_1	zgc:153659	9.346805751	5.393361797	3.953443955	2.70E-19
peak_7167	chr2	30745032	30746144	114568	Intergenic	NM_001161340	myom1a	9.587045781	5.633851814	3.953193967	2.35E-10
peak_9416	chr12	21889750	21890046	127	exon (NM_001012243, exon 1 of 4)	NM_001012243	gna13a	5.728823333	1.775861963	3.95296137	7.53E-09
peak_11393	chr8	10066942	10067413	48033	intron (NM_001098489, intron 3 of 31)	NM_001098489	plxna3	6.568330818	2.615370797	3.952960022	7.40E-08
peak_5739	chr9	48709182	48709668	172493	Intergenic	NM_001003480	zgc:92380	7.336976647	3.384063111	3.952913535	1.32E-11
peak_17515	chr15	31042830	31043705	60967	Intergenic	NM_001177456	lgr8.2	8.107052702	4.154431514	3.952621188	9.88E-06
peak_3336	chr1	48347394	48347818	18880	exon (NM_001077556, exon 7 of 18)	NM_001077556	ccdc147	8.309047371	4.356561594	3.952485777	7.96E-15
peak_658	chr17	8235123	8235917	-82581	Intergenic	NM_130961	lft2	10.20843347	6.256044565	3.952388906	5.49E-25
peak_17080	chr6	33385704	33386111	150983	Intergenic	NM_201143	pik3r3b	6.612919391	2.662606856	3.950312536	7.38E-06
peak_17449	chr15	38530947	38531627	77573	Intergenic	NM_173232	rps5	8.662156578	4.71205568	3.950100898	9.42E-06
peak_10292	chr23	29248984	29249344	-197792	Intergenic	NM_001002631	dffa	4.424624391	0.474639816	3.949984574	2.17E-08
peak_9653	chr17	26333303	26333740	113115	Intergenic	NM_001080665	fam149b1	6.651123077	2.702868206	3.948254871	1.02E-08
peak_4423	chr4	24104012	24104453	47411	Intergenic	NM_131211	gata3	7.920447821	3.972422342	3.94802548	4.23E-13
peak_6759	chr22	7366182	7366562	-111028	Intergenic	NM_001003737	zgc:92041	5.987539192	2.040289535	3.947249657	1.10E-10
peak_22043	chr14	30037857	30039559	-452348	Intergenic	NM_001039064	insb	4.166987057	0.219835396	3.947151661	0.000111
peak_6348	chr23	37071695	37072356	-92034	Intergenic	NM_001089535	ube2j2	8.552335564	4.605380667	3.946954897	5.00E-11
peak_12925	chr24	6946430	6946909	-487592	Intergenic	NM_131774	anxa13	7.472079054	3.526508074	3.94557098	3.25E-07
peak_6327	chr18	11651623	11652579	55778	intron (NM_001177933, intron 4 of 17)	NM_001177933	fgd4a	9.190532336	5.245041575	3.945490761	4.75E-11
peak_11430	chr21	16578278	16578668	110032	Intergenic	NM_001080558	zgc:158666	6.652653544	2.707345693	3.945307851	7.65E-08
peak_9111	chr15	2577892	2578726	45856	intron (NM_131769, intron 1 of 7)	NM_131769	cldnj	7.736884853	3.791975966	3.944908887	4.92E-09
peak_7414	chr21	36373106	36373430	-20558	intron (NM_001007405_1, intron 7 of 11)	NM_205565	zgc:77151	6.156456076	2.211783167	3.944672909	3.72E-10
peak_14531	chr22	3789886	3790398	58765	Intergenic	NM_001013507	timm44	7.134054993	3.189406723	3.94464827	1.28E-06
peak_13130	chr5	38368704	38369368	38146	Intergenic	NM_001017863	ppp1r14aa	7.358894556	3.414353829	3.944540727	3.97E-07
peak_3393	chr18	31571542	31572442	2578	exon (NM_001083099, exon 6 of 6)	NM_001083099	v2rh14	8.621222931	4.677181483	3.944041447	1.02E-14
peak_4341	chr9	25119511	25121571	33431	Intergenic	NM_001077543	tyw5	10.08166373	6.137866389	3.943797341	3.11E-13
peak_11682	chr13	34091259	34091530	-39759	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	5.938067996	1.994825282	3.943242714	9.66E-08
peak_6948	chr2	47118907	47119231	403554	Intergenic	NM_001145932	acsl3b	6.35015451	2.407391883	3.942762627	1.55E-10
peak_4024	chr19	43534314	43535203	-7841	Intergenic	NM_001104526	trioa	7.938437007	3.995821094	3.942615912	1.12E-13
peak_9382	chr2	3002497	3002905	32980	intron (NM_001256634, intron 3 of 32)	NM_001256634	rock1	6.350978493	2.408900703	3.94207779	7.16E-09
peak_8949	chr14	44435483	44435953	26417	Intergenic	NM_001115099	pcdh18b	7.384847471	3.443748966	3.941098505	3.92E-09
peak_5011	chr7	55735256	55735972	81105	Intergenic	NM_201219	chrna7	8.887934885	4.946894539	3.941040346	2.30E-12
peak_7702	chr4	24863839	24864097	19993	intron (NM_001044813, intron 1 of 3)	NM_001044813	tmcc3	5.603879949	1.663367097	3.940512853	6.02E-10
peak_2435	chr9	9204577	9205224	35785	Intergenic	NM_001126383	si:ch211-235e18.	9.537251044	5.596826805	3.940424238	1.02E-16
peak_9431	chr17	16935710	16936126	221290	intron (NM_001080009, intron 18 of 23)	NM_212789	dio2	5.304857706	1.364650599	3.940207107	7.68E-09
peak_15744	chr15	39615205	39615763	62121	Intergenic	NM_131395	mtnr1ba	8.156841304	4.217040113	3.939801191	3.16E-06
peak_925	chr12	40210499	40211819	104799	intron (NM_001002490, intron 6 of 7)	NM_001002490	ttyh2	9.762528881	5.823585433	3.938943448	7.23E-23
peak_13894	chr13	47823237	47823957	38746	intron (NM_001135791, intron 3 of 3)	NM_001135791	bcl2l11	8.506230377	4.567438432	3.938791945	7.67E-07
peak_19911	chr19	42080499	42080899	-49923	Intergenic	NM_001017628	asb4	6.976726661	3.038663522	3.938063139	3.90E-05
peak_15701	chr15	8079417	8079847	172668	intron (NM_001113555, intron 2 of 9)	NM_001040313	zgc:136739	6.43127841	2.493469792	3.937808618	3.06E-06

peak_10342	chr17	25313640	25314645	28028	intron (NM_201486, intron 2 of 5)	NM_201486	clic4	8.434728443	4.496920167	3.937808277	2.27E-08
peak_7810	chr2	31802326	31802650	68332	Intergenic	NM_200172	mycb	5.921072354	1.983794631	3.937277723	7.08E-10
peak_20201	chr4	61194634	61195193	32227	Intergenic	NM_001002543	zgc:92791	8.693523278	4.757261742	3.936261536	4.59E-05
peak_13033	chr5	37357126	37357936	4108	intron (NM_001002709, intron 1 of 7)	NM_001002709	ophn1	8.680961268	4.744706138	3.93625513	3.66E-07
peak_6931	chr2	35175083	35175367	112624	intron (NM_194383, intron 19 of 23)	NM_131036	tnw	5.719625197	1.784363256	3.935261941	1.50E-10
peak_9421	chr3	50378464	50379331	-55080	Intergenic	NM_001003571	dnajb1a	7.511991379	3.576804217	3.935187162	7.57E-09
peak_10937	chr20	8006522	8007044	244716	Intergenic	NM_001244756	bloc1s2	8.063724881	4.129178632	3.934546249	4.56E-08
peak_2861	chr16	21037064	21037752	50505	intron (NM_001098779, intron 8 of 9)	NM_001098779	rapgef5b	9.691924605	5.757440267	3.934484339	1.06E-15
peak_1361	chr21	14401796	14402413	20364	intron (NM_131840, intron 1 of 10)	NM_131840	tnfrsfa	9.406825276	5.472468217	3.93435706	2.50E-20
peak_11283	chr5	65075759	65076166	15586	Intergenic	NM_178287	sepw1	6.891149816	2.957859028	3.933290788	6.52E-08
peak_6260	chr22	32616728	32617103	-4368	Intergenic	NM_212565	dusp5	6.065613587	2.132584471	3.933029117	4.26E-11
peak_6458	chr10	27530392	27530784	-31540	Intergenic	NM_001002129	rab1bb	6.614266508	2.681290033	3.932976475	6.18E-11
peak_2529	chr7	16125568	16126028	27145	Intergenic	NM_131551	mespaa	7.689531814	3.757101513	3.9324303	1.73E-16
peak_11331	chr9	36047577	36048061	-6787	Intergenic	NM_152886	appb	7.14171341	3.209620909	3.932092501	6.87E-08
peak_5940	chr16	3586450	3586858	13497	intron (NM_001105701_1, intron 5 of 6)	NM_001105701_1	lars2	7.375975856	3.444036339	3.931939517	2.05E-11
peak_12518	chr17	37979890	37980357	-16749	Intergenic	NM_001077153	zfp36l1a	7.213834048	3.28264339	3.931190658	2.23E-07
peak_13436	chr22	16046255	16046614	2053	3' UTR (NM_131856, exon 3 of 3)	NM_131856	klf2a	4.149677235	0.219835396	3.92984184	5.25E-07
peak_8599	chr3	59626614	59627823	35457	intron (NM_001285388, intron 8 of 15)	NM_001285388	si:ch73-281f12.4	9.730773076	5.801216828	3.929556248	2.37E-09
peak_8870	chr19	22679313	22679934	-21452	Intergenic	NM_001045159	nfatc1	7.806849754	3.877317466	3.929532287	3.48E-09
peak_13193	chr8	26218423	26218738	13654	Intergenic	NM_001002403	dnase1l3l	6.084584588	2.155703238	3.92888135	4.21E-07
peak_14827	chr2	25549513	25550117	23188	intron (NM_001159832, intron 2 of 24)	NM_001159832	fndc3ba	7.219468222	3.291616618	3.927851603	1.60E-06
peak_6804	chr9	6122669	6122959	-698	promoter-TSS (NM_001159914)	NM_001159914	st6gal2a	5.966907889	2.040246205	3.926661684	1.19E-10
peak_7959	chr16	38127662	38127980	-26373	Intergenic	NM_001002444	decr1	5.699010492	1.773207505	3.925802987	8.96E-10
peak_5194	chr23	26955015	26955485	-18617	Intergenic	NM_001080679	zgc:158263	7.434855515	3.50929983	3.925555685	3.76E-12
peak_13297	chr3	61765231	61766080	5982	intron (NM_182937, intron 3 of 4)	NM_182937	pvalb8	8.05588294	4.13035628	3.92552666	4.62E-07
peak_12802	chr3	24311129	24312144	-40084	Intergenic	NM_199746	cbx1a	9.136906443	5.211744254	3.925162189	2.90E-07
peak_5518	chr2	19432846	19433311	30896	Intergenic	NM_181559	glula	7.442607914	3.518546414	3.9240615	7.95E-12
peak_3705	chr22	31813658	31814149	171	exon (NM_205711, exon 7 of 10)	NM_205574	pvalb7	7.583001132	3.659046017	3.923955115	3.38E-14
peak_16392	chr14	38949928	38951568	743849	Intergenic	NM_001048055	lect2l	9.827833329	5.904143011	3.923690318	4.88E-06
peak_10479	chr23	31948358	31948802	53707	Intergenic	NM_001004540	aldh8a1	7.294383111	3.370898885	3.923484227	2.67E-08
peak_564	chr9	8373638	8374337	-64595	Intergenic	NM_001109720	zgc:171776	10.3208649	6.397437897	3.923427002	6.12E-26
peak_4703	chr23	36694060	36694547	-5140	Intergenic	NM_001020478	gpr182	7.558540288	3.635139729	3.923400559	9.41E-13
peak_19627	chr7	61720377	61721100	30250	intron (NM_001201360, intron 2 of 6)	NM_001201360	LOC799556	7.556432672	3.633249174	3.923183498	3.34E-05
peak_14491	chr4	27562272	27562801	101437	Intergenic	NM_001020599	trmu	7.85674938	3.934143472	3.922605908	1.25E-06
peak_15212	chr23	37834584	37835260	-73953	Intergenic	NM_131881	irx7	8.898455802	4.976015406	3.922440396	2.12E-06
peak_8622	chr19	26219661	26219884	38736	intron (NM_212563, intron 2 of 2)	NM_212563	pard6gb	5.116995205	1.19500324	3.921991965	2.43E-09
peak_14532	chr22	35677287	35677609	-299687	Intergenic	NM_213117_1	zgc:65870	6.240770243	2.318779611	3.921990632	1.28E-06
peak_12045	chr5	825797	827056	9387	intron (NM_001002385, intron 7 of 16)	NM_001002385	zgc:92052	8.575447382	4.653565047	3.921882335	1.40E-07
peak_8642	chr18	20767303	20767885	59910	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	7.512218208	3.590521544	3.921696664	2.48E-09
peak_966	chr14	19871243	19872168	-15064	Intergenic	NM_130945	flt4	9.80620854	5.885552601	3.920655939	1.24E-22
peak_866	chr14	19851495	19852985	4401	intron (NM_130945, intron 1 of 29)	NM_130945	flt4	10.30971589	6.389561159	3.920154727	3.13E-23
peak_10336	chr23	14739303	14739645	141978	Intergenic	NM_001006104	gss	5.526169791	1.606593419	3.919576372	2.26E-08
peak_10027	chr22	24420215	24420884	66548	Intergenic	NM_001044943	crb1	7.843471438	3.923900792	3.919570647	1.61E-08
peak_11259	chr9	53025098	53025646	-111721	Intergenic	NM_001076600	tank	7.485405346	3.566240059	3.919165287	6.37E-08
peak_7946	chr17	50601867	50602122	-2784	Intergenic	NM_001113540	vps39	5.530429481	1.611321052	3.919108429	8.77E-10
peak_3574	chr13	21774630	21775414	15564	Intergenic	NM_001045412	tspan14	8.668454183	4.749678753	3.918775431	2.03E-14
peak_4590	chr24	23954635	23954910	324560	Intergenic	NM_001075111	hnf4g	6.275024664	2.356292245	3.918732419	6.82E-13
peak_2454	chr11	9262135	9262623	613970	Intergenic	NM_001020583	tbl1xr1a	8.952037747	5.033311517	3.91872623	1.18E-16
peak_9202	chr7	47476887	47477664	-96015	Intergenic	NM_001020749	pop4	8.406306948	4.488090698	3.91821625	5.54E-09
peak_3312	chr8	55218432	55218862	17893	intron (NM_212609, intron 1 of 11)	NM_212609	gnb1a	7.352031918	3.433929802	3.918102116	7.09E-15
peak_8906	chr6	43882601	43883140	-28971	Intergenic	NM_001172399	prok2	7.390901295	3.472914714	3.917986581	3.67E-09
peak_7302	chr18	4908141	4908521	-4429	exon (NM_001076588, exon 8 of 10)	NM_001198748	zgc:153317	6.192145073	2.276521541	3.915623532	3.08E-10
peak_6624	chr18	14429765	14430134	-7017	Intergenic	NM_001044926	mtss1l	6.227886996	2.312615685	3.915271311	8.59E-11
peak_10377	chr18	39650127	39650501	-4001	Intergenic	NM_212831	veph	5.727969758	1.813729373	3.914240385	2.36E-08
peak_4413	chr1	50016368	50016797	-12645	Intergenic	NM_001114727	zgc:175214	6.794407682	2.880477366	3.913930316	4.07E-13
peak_9110	chr14	4206307	4206841	15742	intron (NM_001163293, intron 2 of 19)	NM_001163293	snx25	8.576084575	4.66234002	3.913744555	4.91E-09
peak_10983	chr10	4785376	4785765	64006	intron (NM_001204256, intron 3 of 6)	NM_001204256	palm2	6.098787912	2.185637672	3.91315024	4.80E-08
peak_13448	chr15	27863630	27864509	32212	Intergenic	NM_001030229	ankrd13b	8.950292426	5.038120296	3.91217213	5.32E-07
peak_8856	chr11	46423162	46423509	6988	intron (NM_001002705, intron 5 of 14)	NM_001002705	tmc6b	7.197124209	3.285227449	3.91189676	3.43E-09
peak_5697	chr4	24121356	24121914	30008	Intergenic	NM_131211	gata3	7.633698408	3.721827982	3.911870425	1.19E-11
peak_23226	chr10	25084902	25085518	-5783	Intergenic	NM_001017825	stoml3b	7.406695712	3.494858748	3.911836964	0.000185
peak_13946	chr16	28351756	28352957	91023	Intergenic	NM_001004683	mrpl17	8.432368172	4.521067315	3.911300856	8.00E-07
peak_8132	chr12	44501282	44502033	149099	Intergenic	NM_001034970	zgc:111868	8.094531121	4.184098746	3.910432376	1.20E-09
peak_8961	chr5	47901135	47901492	-3644	Intergenic	NM_001114689	si:ch211-130m23	6.546567647	2.636188926	3.910378721	3.97E-09
peak_13364	chr4	22681193	22681811	13380	intron (NM_001017591, intron 6 of 9)	NM_001017591	cpm	7.230076785	3.320008242	3.910068543	4.96E-07
peak_11214	chr10	14428262	14428692	23613	intron (NM_001080612, intron 5 of 6)	NM_001080612	galt	6.736678709	2.826698188	3.909980521	6.07E-08
peak_2902	chr18	4995155	4995781	-9936	Intergenic	NM_212779		8.508948798	4.599216341	3.909732458	1.31E-15
peak_8581	chr7	21741640	21742632	-1689	Intergenic	NM_001204179	wu:fi38e01	8.411557744	4.502002368	3.909555376	2.31E-09
peak_14142	chr23	30280660	30281330	3262	intron (NM_001089533, intron 2 of 11)	NM_001089533	zgc:162431	7.543021625	3.633522031	3.909499594	9.41E-07
peak_11531	chr20	28240616	28241254	-33967	Intergenic	NM_001079835	dll4	6.804474159	2.895533477	3.908940683	8.45E-08
peak_6211	chr6	41401449	41401829	6973	intron (NM_001009897, intron 1 of 8)	NM_001009897	twf2	6.521588413	2.613007563	3.908580849	3.82E-11
peak_20701	chr11	35522416	35522983	-48078	Intergenic	NM_001080079	mapkapk3	7.026935892	3.118936819	3.907999072	5.86E-05
peak_5974	chr16	55057003	55057496	-23176	Intergenic	NM_001082926	si:ch211-107n13.	7.821822827	3.913948471	3.907874357	2.22E-11
peak_12431	chr13	45875573	45876094	-76558	Intergenic	NM_001145701	si:ch211-168h21.	7.545861885	3.637990903	3.907870982	2.06E-07
peak_4989	chr18	30553207	30553872	41271	Intergenic	NM_001002622	irf8	7.485289808	3.577698841	3.907590967	2.19E-12
peak_18164	chr11	3937522	3938420	-15328	Intergenic	NM_131233	gata2a	7.824170049	3.917000767	3.907169281	1.49E-05
peak_15112	chr17	17646306	17646818	11657	intron (NM_001020619, intron 5 of 11)	NM_001020619	sptlc2a	7.294926909	3.38777614	3.907150769	1.96E-06
peak_7035	chr10	24507451	24507879	-167357	Intergenic	NM_200664	cadm2a	6.254674862	2.347748586	3.906926276	1.81E-10
peak_9453	chr24	18288685	18289208	-339712	intron (NM_001281991, intron 10 of 23)	NM_213495	cul1b	6.747575885	2.841092306	3.906483579	7.89E-09
peak_9792	chr17	41440256	41440817	12690	intron (NM_001082998, intron 4 of 4)	NM_001082998	fosl2	6.476769716	2.570360566	3.90640915	1.23E-08
peak_11344	chr24	40661174	40661534	-72930	Intergenic	NM_205554	atp6v0cb	5.813516677	1.907116997	3.906399679	6.95E-08
peak_11992	chr5	2522752	2523318	-1835	Intergenic	NM_213058	hspa5	4.125874362	0.219835396	3.906038966	1.34E-07
peak_8067	chr3	56070454	56070750	-71199	Intergenic	NM_183066	hbae3	6.191543563	2.285532808	3.906010755	1.08E-09
peak_921	chr23	41216774	41217355	-47654	Intergenic	NM_001139458	si:dkey-194e6.1	9.568446651	5.662682403	3.905764249	6.94E-23
peak_15163	chr18	37757126	37757499	1443	intron (NM_207067, intron 1 of 10)	NM_207067	leo1	6.260742381	2.355004635	3.905737746	2.03E-06
peak_8192	chr20	28861274	28861677	6969	intron (NM_131220, intron 3 of 4)	NM_131220	max	6.419496475	2.513999487	3.905496988	1.32E-09
peak_15811	chr5	38716175	38716486	79	promoter-TSS (NM_001113731)	NM_001113731	il13ra2	6.398754977	2.493469792	3.905285184	3.29E-06
peak_17138	chr7	40823755	40824269	-13587	Intergenic	NM_001110416	tnnt3b	7.94819933	4.043572769	3.904626561	7.68E-06
peak_2383	chr11	38577239	38577880	19626	intron (NM_001128738, intron 4 of 4)	NM_001128738	fam69b	8.683489299	4.778928896	3.904560403	7.36E-17
peak_9546	chr7	21876104	21876539	61708	Intergenic	NM_001076607	tnfsf12	6.66769118	2.763431702	3.904259477	8.90E-09
peak_10792	chr23	12178261	12178545	-62680	Intergenic	NM_001256764	ttll9	5.76734639	1.863651775	3.903694615	3.83E-08
peak_20605	chr17	30108141	30109172	-155712	Intergenic	NM_001142264	spata17	8.615945368	4.712744947	3.903200421	5.61E-05
peak_14898	chr22	41025629	41025972	17944	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	6.817844638	2.914697036	3.903147602	1.68E-06
peak_5140	chr18	7953810	7954208	87263	Intergenic	NM_001002204	prpf18	6.672022415	2.769279708	3.902742707	3.27E-12
peak_6683	chr7	58300405	58300776	-51593	Intergenic	NM_201194	scamp2l	7.336992513	3.435293889	3.901698624	9.55E-11
peak_1522	chr22	14620047	14620562	359098	Intergenic	NM_199708	bzw1a	8.116687642	4.215657323	3.901030318	1.45E-19
peak_12940	chr4	32808504	32809764	-222274	intron (NM_001109867, intron 2 of 3)	NM_001126485	LOC100006564	4.120828315	0.219835396	3.90099292	3.30E-07
peak_11409	chr15	33970517	33970879	-1217	Intergenic	NM_001024821	lta	5.76409001	1.863651775	3.900438234	7.50E-08
peak_13579	chr14	22376174	22376460	-39089	Intergenic	NM_131248	egr1	6.129961319	2.229879429	3.900081889	5.91E-07
peak_13122	chr1	21853436	21853737	189077	Intergenic	NM_001089491	rfc1	5.977414546	2.077505579	3.899908967	3.96E-07
peak_9250	chr21	13106663	13107088	-72504	Intergenic	NM_001008603	pus1	6.639015409	2.739585235	3.899430175	5.90E-09
peak_1560	chr10	22621387	22622057	39486	intron (NM_001166336, intron 1 of 7)	NM_001166336	nlgn2a	9.190541117	5.291508032	3.899033084	2.02E-19
peak_3974	chr20	156400	157271	11509	intron (NM_001080028, intron 1 of 6)	NM_001080028	slc16a10	9.462454103	5.563574156	3.898879947	9.62E-14
peak_10482	chr7	48452848	48453505	-62351	Intergenic	NM_001195407	tshz3b	8.055712871	4.157247655	3.898465216	2.68E-08
peak_22603	chr4	43970313	43975124	1285619	Intergenic	NM_001128300	LOC100008037	4.589367257	0.691124799	3.898242458	0.000141

peak_13255	chr8	217372	217809	11855	intron (NM_199992, intron 1 of 19)	NM_199992	sema6a	6.080022939	2.182425019	3.89759792	4.43E-07
peak_6914	chr8	15031444	15031865	-30271	exon (NM_001128364, exon 11 of 12)	NM_001122973	lhx4	7.478996891	3.581674976	3.897321915	1.45E-10
peak_5728	chr4	59598185	59599564	23	promoter-TSS (NM_001199134)	NM_001199134	ptprb	9.923359502	6.026460686	3.896898816	1.28E-11
peak_12370	chr8	27679085	27679552	7929	intron (NM_001126417, intron 1 of 3)	NM_001126417	si:ch211-156j16.5	6.64694795	2.751029462	3.895918488	1.94E-07
peak_11524	chr21	14378500	14378774	43831	exon (NM_131840, exon 8 of 11)	NM_131840	tnfrsfa	5.846075989	1.950187435	3.895888554	8.41E-08
peak_7104	chr7	47963806	47964135	334377	Intergenic	NM_130995	ccne1	5.863950866	1.968954665	3.894996201	2.14E-10
peak_11719	chr1	5032711	5033197	7305	3' UTR (NM_199928, exon 8 of 8)	NM_199928	cnppd1	7.675164176	3.780542772	3.894621404	9.98E-08
peak_7138	chr13	32637950	32638547	-31523	Intergenic	NM_001089444	nt5c1ba	8.184292582	4.289769828	3.894522754	2.24E-10
peak_16722	chr18	17483688	17484446	38351	intron (NM_001080030, intron 1 of 7)	NM_001080030	si:ch211-216l23.1	6.45231421	2.558018336	3.894295875	6.04E-06
peak_6115	chr23	38366107	38366550	113388	Intergenic	NM_001020707	zgc:112994	6.896880414	3.004040179	3.892840235	3.17E-11
peak_15590	chr3	55849580	55849901	-5151	Intergenic	NM_001002228	rhbdf1	6.260455623	2.367686229	3.892769394	2.77E-06
peak_12948	chr9	42135480	42135825	15289	exon (NM_001040046, exon 9 of 23)	NM_001040046	ankar	6.601844188	2.709579237	3.892264951	3.33E-07
peak_18188	chr14	31693884	31694319	28873	Intergenic	NM_213641	cfl2l	6.659002196	2.766967388	3.892034809	1.52E-05
peak_12064	chr12	4645389	4645869	-2744	3' UTR (NM_001111168, exon 9 of 9)	NM_213463	eif3c	6.970779446	3.07975896	3.891020486	1.42E-07
peak_12505	chr5	827149	827726	10398	intron (NM_001002385, intron 7 of 16)	NM_001002385	zgc:92052	5.967610718	2.077505579	3.890105139	2.20E-07
peak_6967	chr20	884701	885291	32687	intron (NM_001044793, intron 21 of 28)	NM_001044793	snx14	6.507144138	2.617165922	3.889978215	1.61E-10
peak_1046	chr8	2860981	2861697	43887	Intergenic	NM_001126405	naif1	9.467166795	5.577613084	3.889553711	5.28E-22
peak_12692	chr4	7803347	7803771	-213161	Intergenic	NM_130937	wnt5b	6.253522649	2.364854808	3.888667841	2.61E-07
peak_18598	chr15	20457145	20457543	48046	Intergenic	NR_030067		6.704501946	2.81595363	3.888548316	1.88E-05
peak_4928	chr3	37138293	37138757	4838	exon (NM_001024223, exon 6 of 8)	NM_001024223	mlx	6.921456318	3.032954136	3.888502182	1.83E-12
peak_19726	chr9	7175643	7176237	-45121	Intergenic	NM_001161497	coa5	6.841651523	2.953659189	3.887992334	3.51E-05
peak_7260	chr2	45363659	45364550	-111366	Intergenic	NR_029925		8.886588375	4.998602971	3.887985404	2.85E-10
peak_9684	chr3	52617005	52617501	-113368	Intergenic	NM_001102636_1	zgc:165582	7.366116782	3.478187672	3.88792911	1.06E-08
peak_4887	chr22	6373229	6373652	15707	Intergenic	NM_001128291	zgc:172133	6.91525509	3.028325743	3.886929347	1.66E-12
peak_9176	chr7	22925091	22926061	-30408	Intergenic	NM_001077144	tmem88b	8.605119319	4.718443288	3.886676031	5.31E-09
peak_13274	chr20	5702337	5702954	107699	intron (NM_001080047, intron 3 of 19)	NM_001080047	nrxn3b	7.066260379	3.180558572	3.885701806	4.54E-07
peak_5781	chr23	41142736	41143129	26478	Intergenic	NM_001139458	si:dkey-194e6.1	6.741025539	2.855628068	3.885397471	1.44E-11
peak_8557	chr8	43428500	43428838	-63878	Intergenic	NM_200578	arpc5la	6.356623679	2.471391661	3.885232017	2.24E-09
peak_14381	chr3	473270	473840	8450	intron (NM_001006024, intron 6 of 8)	NM_001006024	gcdhl	6.992382185	3.109437404	3.882944781	1.14E-06
peak_6790	chr20	49028452	49028882	42728	exon (NM_001001944, exon 20 of 31)	NM_001001944	xrn2	6.866036627	2.983545046	3.882491581	1.15E-10
peak_5460	chr16	8680707	8681335	-18249	Intergenic	NM_199515	prdm1a	7.357956702	3.475525969	3.882430733	7.00E-12
peak_12249	chr12	36651040	36651407	-213603	Intergenic	NM_200770	fscn2b	6.722763102	2.840780641	3.881982461	1.71E-07
peak_5496	chr16	41671619	41672034	64632	Intergenic	NM_001002427	eny2	7.049409674	3.168193369	3.881216305	7.57E-12
peak_13258	chr17	9994826	9995255	35350	Intergenic	NM_001170739	mgaa	6.036710287	2.155703238	3.881007049	4.44E-07
peak_6811	chr9	32136150	32137001	5018	Intergenic	NM_001099241	gpr183	8.675901286	4.795333464	3.880567821	1.21E-10
peak_18075	chr16	38463822	38464656	-71053	Intergenic	NM_001115142	snrnp48	8.087735103	4.207308776	3.880426328	1.42E-05
peak_9393	chr6	31084497	31084871	24443	intron (NM_131073, intron 3 of 23)	NM_131073	jak1	6.09008155	2.210469383	3.879612167	7.31E-09
peak_8858	chr10	46054141	46054559	226137	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	7.440822673	3.561253779	3.879568894	3.43E-09
peak_6898	chr9	14066842	14067145	57169	exon (NM_001076586, exon 8 of 10)	NM_001076586	abi2a	5.526618979	1.647288951	3.879330028	1.39E-10
peak_14935	chr7	32827033	32827316	-51238	Intergenic	NM_001199362	cilp	6.246862621	2.367686229	3.879176392	1.72E-06
peak_9625	chr17	35935519	35935826	123063	Intergenic	NM_131336	sox11a	4.524709948	0.646338197	3.87837175	9.89E-09
peak_4722	chr5	31513139	31513895	43621	Intergenic	NM_001004667	f11r	8.723020239	4.845018435	3.878001804	9.95E-13
peak_2011	chr23	31965769	31966343	36231	Intergenic	NM_001004540	aldh8a1	8.545038059	4.667881149	3.877156911	6.97E-18
peak_7789	chr12	48219657	48220019	27778	exon (NM_198072_1, exon 28 of 31)	NM_198072_1	mtr	7.245414387	3.368374619	3.877039768	6.81E-10
peak_6896	chr18	22014604	22015182	6418	intron (NM_001045108, intron 5 of 20)	NM_001045108	fam65a	7.00291704	3.12588765	3.877029391	1.39E-10
peak_12026	chr17	12061844	12062100	38993	Intergenic	NM_001002359	sccpdha	4.096540606	0.219835396	3.876705211	1.37E-07
peak_14727	chr2	18549896	18550861	1093	intron (NM_001126483, intron 3 of 5)	NM_001126483	si:dkey-1p9.2	6.779028222	2.903359875	3.875668348	1.49E-06
peak_1274	chr25	32451733	32452300	-29312	Intergenic	NM_001003744	kras	8.941846623	5.066384224	3.875462399	1.08E-20
peak_15681	chr22	32252502	32252990	23538	Intergenic	NM_207637	adra2a	6.30739078	2.431948405	3.875442374	3.02E-06
peak_16938	chr21	8309542	8311949	5355	Intergenic	NM_001076741	esm1	10.05800641	6.182707778	3.875298635	6.82E-06
peak_7431	chr24	19527239	19527516	-232310	Intergenic	NM_001089499	zgc:162928	6.108079657	2.233518095	3.874561562	3.83E-10
peak_7879	chr8	4893234	4893854	9455	intron (NM_200459, intron 1 of 8)	NM_200459	zgc:63587	8.816132735	4.942359353	3.873773381	7.80E-10
peak_23099	chr5	24076563	24077506	-59201	Intergenic	NR_029943		8.961828198	5.089218048	3.87261015	0.000176
peak_9324	chr14	7328959	7329389	13955	intron (NM_199626, intron 8 of 29)	NM_199626	trappc11	6.756179497	2.883713692	3.872465805	6.60E-09
peak_9750	chr7	57247240	57247504	-114481	Intergenic	NM_212606	cdh15	6.315159013	2.442696888	3.872462125	1.16E-08
peak_11171	chr5	26047805	26048292	-45429	Intergenic	NM_131822	znf703	6.455854211	2.583518877	3.872335334	5.89E-08
peak_13309	chr3	4086198	4086663	-57189	Intergenic	NM_001077336	pick1	7.767245476	3.895440267	3.871805208	4.67E-07
peak_3597	chr3	29654790	29655215	-6960	Intergenic	NM_001002061	rac2	6.976038448	3.104508546	3.871529902	2.20E-14
peak_11035	chr11	5443060	5443808	-109576	Intergenic	NM_201450	cse1l	8.911003065	5.039598727	3.871404338	5.09E-08
peak_4614	chr10	42831214	42831793	-16570	Intergenic	NM_001002414	cabp1b	8.461056474	4.589827255	3.871229218	7.43E-13
peak_16090	chr13	32377154	32377855	9532	Intergenic	NM_001006079	osr1	7.818910402	3.947728719	3.871181683	3.98E-06
peak_7551	chr14	31514003	31514261	-1684	Intergenic	NM_001045321	npas4a	5.453598309	1.582422503	3.871175806	4.82E-10
peak_10893	chr1	47025631	47026151	-70086	Intergenic	NM_001007327	cab39l	7.847031192	3.978015119	3.869016073	4.40E-08
peak_11845	chr5	28338780	28339179	7788	intron (NM_001003781, intron 2 of 8)	NM_001003781	tango2	6.325629444	2.45736504	3.868264404	1.14E-07
peak_9033	chr1	26427451	26427767	-347245	Intergenic	NM_001045258	pspc1	5.703236541	1.83517185	3.868064691	4.38E-09
peak_18045	chr20	52224296	52225089	52885	Intergenic	NM_001045274	taf1a	7.624565826	3.75736123	3.867204595	1.40E-05
peak_20710	chr19	22978665	22979333	-15814	Intergenic	NM_001100032	pleca	6.8639839	2.996787327	3.867196572	5.88E-05
peak_12112	chr19	9446948	9447472	-11837	exon (NM_131494, exon 11 of 14)	NM_153671	cers2a	8.725891168	4.859108992	3.866782176	1.49E-07
peak_2288	chr18	5300740	5301354	-63443	Intergenic	NM_001013457	gcsha	8.318059341	4.452313276	3.865746066	4.42E-17
peak_14327	chr14	33875217	33876016	23789	intron (NM_131472, intron 10 of 29)	NM_131472	kdrl	8.453343776	4.588313018	3.865030758	1.08E-06
peak_19389	chr15	27801034	27801849	-30416	Intergenic	NM_001030229	ankrd13b	8.242876473	4.378030193	3.864846281	2.92E-05
peak_12391	chr4	10583743	10584430	36201	intron (NM_001126110, intron 6 of 6)	NM_001126110	asb13a.2	7.42129332	3.556680257	3.864613062	1.98E-07
peak_8596	chr2	22619536	22619907	10326	Intergenic	NM_214734	prrx1a	6.010971152	2.146443621	3.864527531	2.35E-09
peak_10358	chr15	9041744	9042080	-50248	Intergenic	NM_001004002	rab4b	5.578285455	1.713875669	3.864409786	2.33E-08
peak_2916	chr11	18240727	18241487	-27591	Intergenic	NM_001077273	fam19a4b	8.541436149	4.677524389	3.86391176	1.37E-15
peak_8457	chr17	51250453	51251426	18944	intron (NM_001256215, intron 2 of 15)	NM_001256215	fermt2	7.726413367	3.862608191	3.863805176	1.98E-09
peak_6532	chr9	36900187	36900473	3660	intron (NM_001003616, intron 1 of 3)	NM_001003616	rcan1a	6.255538418	2.391803235	3.863735183	7.15E-11
peak_5067	chr8	5589272	5590145	-152362	Intergenic	NM_001012242	bnip3la	8.991521076	5.127892181	3.863628896	2.67E-12
peak_7807	chr9	1768214	1768490	1326	intron (NM_001017554_2, intron 1 of 17)	NM_001017554		6.03165844	2.168709871	3.862948569	7.02E-10
peak_2168	chr18	30551827	30553118	40204	Intergenic	NM_001002622	irf8	10.20761019	6.345309895	3.8623003	1.85E-17
peak_947	chr5	51662897	51664357	136054	intron (NM_200418, intron 4 of 6)	NM_131180	nr2f1a	11.56470302	7.702458801	3.862244217	9.68E-23
peak_9076	chr1	36317129	36317353	-65458	Intergenic	NM_001099445	ednraa	5.192463273	1.330227956	3.862235316	4.69E-09
peak_9291	chr8	38121650	38121924	26077	exon (NM_001123234, exon 17 of 28)	NM_001123234	kdm5c	5.352577963	1.490687863	3.8618901	6.31E-09
peak_10367	chr12	25208669	25209057	-26109	Intergenic	NM_001035261	svila	6.696680877	2.834967226	3.861713651	2.35E-08
peak_13840	chr18	23862171	23862506	-203273	Intergenic	NM_131183	nr2f2	6.043412202	2.182425019	3.860987183	7.35E-07
peak_9494	chr8	25668961	25669396	-45029	Intergenic	NM_001256724	slc6a17	7.034018823	3.173787818	3.860231004	8.30E-09
peak_20194	chr5	45556316	45556714	67544	Intergenic	NM_001013558	zgc:112966	6.856950128	2.996787327	3.8601628	4.58E-05
peak_15973	chr3	23542691	23543164	30512	Intergenic	NM_199214	col1a1a	7.153061625	3.29294273	3.860118895	3.70E-06
peak_7824	chr5	23947935	23948336	-12226	intron (NM_001004296, intron 9 of 13)	NM_001100949	fdx1b	6.740191153	2.880090593	3.860100561	7.24E-10
peak_16190	chr2	52705849	52706181	-19001	Intergenic	NM_001110836	si:ch211-137c4.4	6.360909994	2.501824256	3.859085739	4.27E-06
peak_12430	chr11	30500029	30500258	34567	Intergenic	NM_001037677	rpl22	5.853699967	1.994825282	3.858874685	2.06E-07
peak_4815	chr15	42481911	42482258	-90435	Intergenic	NM_131013	tyr	6.242786959	2.383979433	3.858807526	1.32E-12
peak_13046	chr18	8786473	8786897	-50311	Intergenic	NM_131061	sema3ab	7.057024698	3.198705706	3.858318993	3.70E-07
peak_17283	chr7	50382555	50383034	55306	Intergenic	NM_131433	igf2a	7.095879123	3.237731543	3.85814758	8.43E-06
peak_6732	chr13	43402301	43402884	6955	intron (NM_001013501, intron 3 of 20)	NM_001013501	capn2a	7.283956532	3.425818436	3.858138097	1.05E-10
peak_16199	chr16	36609515	36609938	2531	exon (NM_213178, exon 3 of 10)	NM_213178	rcc1	6.351501375	2.493469792	3.858031583	4.29E-06
peak_8348	chr6	52239680	52240452	46992	Intergenic	NM_207098	zc3h10	9.502100417	5.644387119	3.857713298	1.69E-09
peak_13658	chr22	30093303	30093627	37117	TTS (NM_199859)	NM_199859	abi3bp	6.2869161	2.429240453	3.857675647	6.34E-07
peak_4987	chr9	13332276	13332711	-64324	intron (NM_001039807, intron 3 of 12)	NM_001128362	si:dkey-56k23.2	6.7679635	2.911096657	3.856866843	2.18E-12
peak_16540	chr16	43096429	43097154	28831	intron (NM_200244, intron 1 of 1)	NM_200244	plekhf2	7.548800284	3.692217589	3.856582694	5.38E-06
peak_4107	chr5	44515546	44516730	-185	promoter-TSS (NM_001113644_5)	NM_001113644_5	zgc:172101	8.254251292	4.398272195	3.855979097	1.44E-13
peak_8462	chr12	32752878	32753240	37229	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	6.610208249	2.754676363	3.855531886	1.99E-09
peak_13152	chr17	37126128	37126553	-22173	intron (NM_001018140, intron 8 of 17)	NM_001018149	dpysl5a	7.039898066	3.184938133	3.854959934	4.08E-07
peak_6382	chr13	7610131	7610549	-8338	Intergenic	NM_001037101	hells	7.10393015	3.249209679	3.854720471	5.35E-11
peak_11325	chr3	32181988	32182240	34576	intron (NM_001195240, intron 3 of 3)	NM_001013296	baxb	5.81705353	1.963531935	3.853521595	6.84E-08

peak_8074	chr2	54772725	54773142	206653	Intergenic	NM_001002469_1	napg	6.834722855	2.98172062	3.853002235	1.09E-09
peak_6649	chr22	12997858	12998346	3606	intron (NM_001045044, intron 1 of 17)	NM_001045044	glsa	7.529610676	3.676751608	3.852859068	8.96E-11
peak_9860	chr7	50272480	50272808	9236	exon (NM_001044854, exon 9 of 18)	NM_001044854	cpt1a	6.001716617	2.149135593	3.852581024	1.34E-08
peak_22660	chr1	464431	464796	-4721	intron (NM_199915, intron 18 of 19)	NM_001098264	jam2a	4.071913271	0.219835396	3.852077876	0.000146
peak_12514	chr9	10902947	10903804	-14360	Intergenic	NM_131834	cxcr4b	7.88796505	4.035940519	3.852024531	2.22E-07
peak_16569	chr6	27635420	27635846	30748	Intergenic	NM_200602	cep63	6.894860359	3.043277121	3.851583237	5.48E-06
peak_19324	chr17	17109736	17110543	167913	intron (NM_001080009, intron 11 of 23)	NM_001080009	nrxn3a	8.197868788	4.346468988	3.8513998	2.82E-05
peak_19378	chr16	15308483	15309694	54983	Intergenic	NM_001197062	dbpb	8.462234116	4.611665984	3.850568131	2.89E-05
peak_19794	chr4	27541893	27542350	121852	Intergenic	NM_001020599	trmu	6.758833	2.909201936	3.849631064	3.64E-05
peak_16196	chr5	62929806	62930351	20169	Intergenic	NM_001002519	tmem203	7.525075047	3.675524803	3.849550244	4.28E-06
peak_11346	chr16	9517200	9517642	63762	Intergenic	NM_001083581	entpd3	6.870188162	3.020787045	3.849401117	6.97E-08
peak_22943	chr7	20733094	20733522	13655	intron (NM_001037559, intron 2 of 9)	NM_001037559	slc7a7	7.218443785	3.369201652	3.849242133	0.000165
peak_19035	chr6	29451978	29452728	31434	Intergenic	NM_001002681	phb2b	7.62423806	3.775535919	3.848702141	2.43E-05
peak_12350	chr2	483209	484062	-73357	Intergenic	NM_212920	wrnip1	8.690170694	4.841648951	3.848521742	1.90E-07
peak_16260	chr13	17239110	17239993	273784	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	8.47350239	4.626465306	3.847037085	4.45E-06
peak_12453	chr3	30686875	30687200	-47855	Intergenic	NM_214766	med25	6.8582772	3.011300961	3.846976239	2.10E-07
peak_12299	chr4	15202414	15202738	-12765	Intergenic	NM_001044757	atp2b1a	4.066598018	0.219835396	3.846762623	1.79E-07
peak_12258	chr21	19396307	19396835	-146344	Intergenic	NM_213226	zgc:85869	7.639346268	3.793337278	3.84600899	1.72E-07
peak_13114	chr3	26363638	26363962	-129217	Intergenic	NM_001172397	xylt1	4.55506453	0.709096771	3.845967759	3.94E-07
peak_14313	chr19	3028926	3029484	3153	intron (NM_205630, intron 1 of 10)	NM_205630	fam126a	7.053056657	3.207636911	3.845419747	1.07E-06
peak_14793	chr10	45146390	45147313	28778	intron (NM_131312, intron 2 of 10)	NM_131312	mef2ca	9.252833883	5.408839784	3.843994099	1.56E-06
peak_12442	chr1	13670605	13671078	188672	Intergenic	NR_048926		7.089749362	3.245824824	3.843924538	2.08E-07
peak_7677	chr8	28695488	28696230	15542	intron (NM_001077371, intron 1 of 5)	NM_001077371	cttnbp2nlb	7.82173699	3.977826207	3.843910783	5.76E-10
peak_7020	chr7	45461022	45461407	27744	Intergenic	NM_001003983	cdh5	5.811952101	1.968954665	3.842997437	1.76E-10
peak_8006	chr3	16444723	16445334	-16938	Intergenic	NM_001077729	zgc:153952	8.602463231	4.759592501	3.84287073	9.72E-10
peak_17826	chr14	22375190	22375963	-38348	Intergenic	NM_131248	egr1	7.967254221	4.124418086	3.842836135	1.22E-05
peak_18609	chr4	6749834	6750467	-6703	Intergenic	NM_213286	lta4h	6.609082576	2.766967388	3.842115188	1.89E-05
peak_12961	chr13	34251308	34251642	-199840	intron (NM_200549, intron 5 of 19)	NM_001256646	flrt3	5.918530187	2.077505579	3.841024608	3.37E-07
peak_8261	chr23	39391258	39391648	-7172	Intergenic	NM_001045224	bmf1	4.993092854	1.152146449	3.840946405	1.49E-09
peak_11515	chr2	26375924	26376255	-9403	Intergenic	NM_200601	palm1b	5.747792413	1.907116997	3.840675415	8.33E-08
peak_2826	chr16	26172472	26173562	-13495	Intergenic	NM_001128758	apoa4b.2	8.995892191	5.156242264	3.839649927	8.86E-16
peak_7130	chr22	11212655	11213170	-23694	Intergenic	NM_200324	use1	6.975504237	3.136940293	3.838563944	2.22E-10
peak_10125	chr18	15069805	15070210	76515	Intergenic	NM_001044974	si:dkey-103i16.2	4.547508126	0.709096771	3.838411354	1.79E-08
peak_17754	chr2	14667500	14667984	110260	Intergenic	NM_001083863	LOC795615	6.502045083	2.663703566	3.838341517	1.17E-05
peak_10661	chr24	6004862	6005202	11429	exon (NM_001020647, exon 9 of 13)	NM_001020647	acbd5a	6.227317327	2.389018798	3.838298529	3.34E-08
peak_2192	chr10	45854927	45855947	74675	intron (NM_001134725, intron 4 of 20)	NM_001134725	adrbk2	8.144517729	4.30764554	3.836872189	2.15E-17
peak_16951	chr2	29364705	29365154	39977	intron (NM_001202455, intron 4 of 9)	NM_001202455	dlgap1a	6.636807743	2.80162552	3.835182224	6.86E-06
peak_5599	chr7	66996076	66996405	13335	intron (NM_200905, intron 2 of 24)	NM_200905	ipo7	6.64453266	2.810075932	3.834456728	9.86E-12
peak_11886	chr2	7864804	7865436	21390	intron (NM_199881, intron 9 of 17)	NM_199881	pls1	8.559243277	4.724813418	3.834429859	1.20E-07
peak_7003	chr3	58279533	58279973	-39906	3' UTR (NM_214682, exon 13 of 14)	NM_199950	socs3a	5.724647426	1.890376193	3.834271232	1.70E-10
peak_4099	chr8	50652854	50653569	-109046	Intergenic	NM_001128741	zgc:195023	8.989751546	5.155794694	3.833956851	1.41E-13
peak_10491	chr15	22917710	22918274	-41222	Intergenic	NM_001024388	hmbsb	8.284524841	4.450777305	3.833747536	2.70E-08
peak_13482	chr9	8879311	8879636	71903	Intergenic	NM_212771	rab20	5.988578346	2.155703238	3.832875107	5.46E-07
peak_8408	chr1	9030474	9030790	47	promoter-TSS (NM_201048)	NM_201048	pdia2	6.001353433	2.168709871	3.832643562	1.85E-09
peak_13724	chr12	37527494	37527871	23133	intron (NM_131724, intron 2 of 12)	NM_131724	map2k6	6.015056485	2.182425019	3.832631467	6.65E-07
peak_11533	chr21	22485791	22486140	99524	intron (NM_199635, intron 4 of 4)	NM_199635	zbtb16a	6.24307725	2.410478969	3.832598281	8.46E-08
peak_13352	chr9	23124552	23124890	681	exon (NM_001002408, exon 3 of 3)	NM_001002408	crygm2d13	6.196983115	2.364854808	3.832128307	4.91E-07
peak_11580	chr2	2912622	2913184	-55	promoter-TSS (NM_001135682)	NM_001135682	aqp1a.2	5.644959288	1.813729373	3.831229915	8.86E-08
peak_10690	chr10	5314392	5314723	76811	Intergenic	NM_001020471	sptlc1	6.122685838	2.292054387	3.830631451	3.43E-08
peak_3096	chr4	20705717	20706176	28498	intron (NM_200709, intron 3 of 5)	NR_037198		6.895403728	3.064971525	3.830432203	2.86E-15
peak_8979	chr7	40443780	40444435	-114455	Intergenic	NM_131070	mdka	7.70398098	3.874307196	3.829673784	4.07E-09
peak_7527	chr24	31472772	31473073	20617	Intergenic	NM_201451	hccs	6.176709942	2.347748586	3.828961356	4.60E-10
peak_15028	chr6	52920174	52920724	24888	Intergenic	NM_001136247	or136-1	9.310991123	5.482263417	3.828727705	1.85E-06
peak_10994	chr24	27642148	27642793	-123605	Intergenic	NM_001077761	nceh1b	6.922171061	3.093507042	3.828664019	4.90E-08
peak_13093	chr2	2899295	2899981	10995	intron (NM_207059, intron 3 of 3)	NM_207059	aqp1a.1	6.868861033	3.040307772	3.828553261	3.86E-07
peak_10409	chr4	18156590	18156831	-40971	Intergenic	NR_030075		5.81705353	1.988676984	3.828376547	2.47E-08
peak_9282	chr20	19449243	19449587	133761	Intergenic	NM_001045157	snx17	6.417167945	2.588796055	3.828371889	6.20E-09
peak_2127	chr8	1801965	1802756	28977	Intergenic	NM_205739	dgcr6	9.461014359	5.632667109	3.82834725	1.38E-17
peak_14348	chr5	37756092	37756573	172519	Intergenic	NM_131805	efnb1	6.094933242	2.266639084	3.828294159	1.10E-06
peak_11022	chr23	41207391	41207911	-38241	Intergenic	NM_001139458	si:dkey-194e6.1	7.740390798	3.912149874	3.828240924	5.05E-08
peak_12703	chr4	1850277	1850896	24762	exon (NM_001083089, exon 11 of 11)	NM_001083089	si:dkey-97m3.1	8.438043466	4.609895507	3.828147959	2.65E-07
peak_20297	chr1	38878569	38879048	39936	intron (NM_152965, intron 1 of 7)	NM_152965	glra3	7.432192085	3.605653674	3.826538411	4.82E-05
peak_2430	chr7	62360883	62361279	76083	intron (NM_213147_1, intron 14 of 14)	NM_213147_1	acox3	7.44779511	3.62129613	3.82649898	9.98E-17
peak_8865	chr20	31346225	31346507	32859	intron (NM_001032729, intron 5 of 7)	NM_001025488	si:dkey-185l3.3	5.385651882	1.559712523	3.825939358	3.47E-09
peak_15584	chr13	4166522	4166870	6880	intron (NM_201102, intron 1 of 22)	NM_201102	pde10a	6.637249547	2.811801306	3.825448241	2.77E-06
peak_13591	chr13	48319322	48319748	286873	Intergenic	NM_205625	lhcgr	5.980920138	2.155703238	3.825216899	5.99E-07
peak_6080	chr4	7315266	7315756	-91395	Intergenic	NM_001030152	si:ch211-240l19.5	6.955761927	3.130591325	3.825170602	2.91E-11
peak_9958	chr11	19970177	19970691	47723	Intergenic	NM_200291	psmd6	8.170371829	4.345234134	3.825137694	1.49E-08
peak_6599	chr14	27484513	27484812	-9848	intron (NM_131368, intron 4 of 7)	NM_212735	syvn1	6.064628484	2.242014685	3.822613799	8.07E-11
peak_12779	chr18	39424768	39425644	147376	Intergenic	NM_001076747	fbxo36a	8.501791879	4.67921152	3.82258036	2.84E-07
peak_12751	chr14	19163820	19164541	108512	Intergenic	NM_001198751	zgc:158852	7.165240623	3.343543769	3.821696854	2.78E-07
peak_10404	chr17	15443939	15444359	8765	Intergenic	NM_001004112	fhl5	5.809993993	1.988676984	3.821317009	2.45E-08
peak_14025	chr5	47857498	47858453	27070	intron (NM_001110378, intron 2 of 16)	NM_001110378	si:ch211-130m23	9.391319333	5.570121685	3.821197648	8.60E-07
peak_3985	chr2	20829767	20830247	-29739	Intergenic	NM_212995	riok1	8.13051518	4.309451626	3.821063554	1.01E-13
peak_11743	chr1	18547916	18548258	39207	Intergenic	NM_205685	grhprb	5.633906888	1.813729373	3.820177515	1.02E-07
peak_4020	chr5	70838246	70838771	36622	intron (NM_131414, intron 9 of 16)	NM_131414	ephb4a	8.491235682	4.671467868	3.819767814	1.11E-13
peak_9367	chr10	42682061	42682535	-14891	Intergenic	NM_001003536	brf2	5.04607651	1.226539182	3.819537328	6.99E-09
peak_13862	chr23	32969594	32969908	338630	Intergenic	NM_200286	taf8	5.97464064	2.155703238	3.818937402	7.48E-07
peak_19194	chr4	20391878	20392332	10410	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	6.869635211	3.050702912	3.818932299	2.63E-05
peak_3841	chr2	22058860	22059552	35098	Intergenic	NM_213308	stk25b	8.66286194	4.844044255	3.818817686	5.89E-14
peak_12495	chr12	27317639	27318082	-55286	Intergenic	NM_199545	glud1b	6.642320587	2.823820441	3.818500146	2.18E-07
peak_6273	chr11	31237584	31237891	2564	exon (NM_001017727, exon 2 of 8)	NM_001017727	pecr	6.293410531	2.47517535	3.818235181	4.33E-11
peak_15775	chr10	373207	374463	-10281	Intergenic	NM_199984	zgc:56039	8.284881463	4.466912636	3.817968826	3.22E-06
peak_21511	chr9	26718008	26718496	-90926	Intergenic	NM_001135104	zeb2a	6.935555627	3.118936819	3.816618808	8.58E-05
peak_12774	chr8	38716496	38717184	76917	Intergenic	NM_001083869	or135-1	7.426940927	3.610850649	3.816090278	2.83E-07
peak_19904	chr11	24584455	24585198	-148166	Intergenic	NM_001145767	nfasca	8.022610763	4.207182956	3.815427807	3.89E-05
peak_3240	chr25	171044	173068	9769	intron (NM_180969_1, intron 8 of 10)	NM_001077771_1	zgc:109782	9.919816396	6.10468485	3.815131546	5.46E-15
peak_14716	chr1	44878187	44878555	11807	exon (NM_001005965, exon 6 of 6)	NM_001005965	cryba1l2	6.534020391	2.718993358	3.815027033	1.47E-06
peak_12840	chr13	197015	197699	-4363	Intergenic	NM_001040352	irf1a	8.280774691	4.465913664	3.814861027	2.99E-07
peak_2561	chr17	52062091	52062605	-91171	Intergenic	NM_001012488	zgc:113142	8.753266374	4.938677844	3.81458853	2.01E-16
peak_7334	chr2	1329267	1329768	21254	Intergenic	NM_001002317	polr2d	8.019319549	4.204926208	3.814393342	3.24E-10
peak_10518	chr23	25663419	25663718	84280	Intergenic	NM_212641	pa2g4b	6.035370072	2.222009062	3.813361009	2.76E-08
peak_17843	chr21	18708882	18709228	34720	Intergenic	NM_001020614	eri1	6.702168871	2.889188567	3.812980304	1.24E-05
peak_8063	chr25	34331436	34331998	77330	Intergenic	NM_001089422	zgc:162595	7.68728728	3.874321963	3.812965317	1.08E-09
peak_2522	chr8	10938798	10939525	-24501	Intergenic	NM_001077391	zgc:153997	8.809613487	4.997092075	3.812521412	1.70E-16
peak_6434	chr8	33114208	33114640	79909	intron (NM_001159661, intron 10 of 28)	NM_001159661	zgc:91897	6.206558694	2.394074528	3.812484166	5.94E-11
peak_1408	chr23	2579440	2580926	-53183	Intergenic	NM_130989	snai1b	10.2211366	6.408731314	3.812405288	4.23E-20
peak_3936	chr9	10941135	10941796	17315	intron (NM_001077611, intron 5 of 18)	NM_001077611	dars	8.579317099	4.768084748	3.811232351	8.10E-14
peak_10934	chr18	4791081	4792212	-49357	Intergenic	NM_001007761	fgf7	8.523519004	4.713111199	3.810407806	4.54E-08
peak_16088	chr2	27932425	27932839	56443	Intergenic	NM_201330	dhcr7	7.420010088	3.609873879	3.810136209	3.97E-06
peak_6136	chr22	11347857	11348136	93693	Intergenic	NM_205626	bcor	6.04607651	2.236052536	3.810023974	3.29E-11
peak_9840	chr19	23747120	23747517	-11251	Intergenic	NM_001004287	grb10a	6.403437654	2.593470568	3.809967086	1.30E-08
peak_9050	chr2	48402398	48402953	5913	intron (NM_199980, intron 5 of 5)	NM_199606	lpar5a	7.061311129	3.251356065	3.809955064	4.52E-09
peak_24125	chr24	7993906	7994382	19382	intron (NM_001013339, intron 1 of 6)	NM_001013339	bmp6	7.304726764	3.494858748	3.809868016	0.000272
peak_6902	chr2	50656021	50656530	-33031	Intergenic	NM_001045014	si:ch211-106n13.4	7.493264747	3.684458992	3.808805755	1.41E-10

peak_3764	chr23	45708871	45709494	-8371	Intergenic	NM_001077745_1	ctc1	8.135697554	4.327063799	3.808633755	4.43E-14
peak_9702	chr9	29420012	29420968	11889	intron (NM_001044766, intron 1 of 3)	NM_001044766	klf7b	7.808425591	4.000174195	3.808251396	1.08E-08
peak_6688	chr16	6814324	6814653	-38978	Intergenic	NM_001002182	zgc:91890	5.998605159	2.190407263	3.808197895	9.64E-11
peak_7914	chr17	50629919	50630513	25438	intron (NM_001113540, intron 18 of 23)	NM_001113540	vps39	7.987279286	4.179367165	3.807912122	8.34E-10
peak_2255	chr20	11301878	11302732	-13976	Intergenic	NM_001100043	flrt2	10.16907721	6.361450832	3.80762638	3.16E-17
peak_15966	chr16	50618438	50619259	18473	intron (NM_001256029, intron 7 of 13)	NM_001256029	hm:zeh0351	9.071360961	5.263905068	3.807455893	3.69E-06
peak_7028	chr21	26638815	26639313	-43190	Intergenic	NM_205654	zgc:77262	7.357830493	3.550577162	3.807253331	1.78E-10
peak_746	chr8	184747	186068	-20328	Intergenic	NM_199992	sema6a	10.42240573	6.615814795	3.806590939	4.18E-24
peak_10778	chr5	23940329	23940678	-19858	intron (NM_001004296, intron 2 of 13)	NM_001100949	fdx1b	5.84069275	2.035390642	3.805302108	3.77E-08
peak_6448	chr6	9086383	9086817	-5064	exon (NM_001004584, exon 2 of 2)	NM_001030252	nabp1b	6.90259906	3.097927997	3.804671063	6.08E-11
peak_10979	chr14	24433464	24433855	-135406	Intergenic	NM_001039461	med12	6.696244538	2.891604298	3.804640239	4.77E-08
peak_2617	chr23	824005	825566	13724	Intergenic	NM_213350	rhoac	9.539423289	5.735070979	3.80435231	2.87E-16
peak_9834	chr1	6848012	6848380	14860	intron (NM_001128672_1, intron 1 of 11)	NM_001128672_1	mxb	5.2948114	1.490687863	3.804123537	1.29E-08
peak_5241	chr9	46042549	46042903	-18910	Intergenic	NM_001040004	retsatl	6.482204677	2.678106782	3.804097895	4.15E-12
peak_21763	chr8	55597081	55598560	7033	intron (NM_131556, intron 3 of 12)	NM_131556	fgd	8.113665274	4.309621168	3.804044105	9.71E-05
peak_23248	chr6	41514426	41515087	-47590	Intergenic	NM_001114419	hemk1	4.023829128	0.219835396	3.803993732	0.000187
peak_7029	chr8	51545219	51545449	60898	Intergenic	NM_001161445	plp2	5.520884289	1.717453466	3.803430824	1.79E-10
peak_13231	chr5	21898649	21898951	3440	TTS (NM_001004607)	NM_001204169	isg15	5.88050959	2.077505579	3.803004011	4.32E-07
peak_7539	chr12	32879122	32879415	-88980	intron (NM_001034980, intron 7 of 7)	NM_131259	tcf7l2	5.777024883	1.974038652	3.802986231	4.70E-10
peak_11289	chr24	12988162	12988594	66586	intron (NM_200925, intron 6 of 14)	NM_200925	stau2	6.709774804	2.906830023	3.802944781	6.56E-08
peak_3885	chr11	46643483	46644335	3529	intron (NM_001030267, intron 4 of 4)	NM_001030267	srsf7b	9.111635136	5.308763205	3.802871931	6.99E-14
peak_17746	chr22	20574912	20575384	52835	Intergenic	NM_212580	mbd3b	6.411223569	2.609160782	3.802062787	1.16E-05
peak_2719	chr11	10511675	10512158	8465	exon (NM_001003883, exon 4 of 24)	NM_001003883	ect2	7.123659691	3.322193027	3.801466664	4.92E-16
peak_8118	chr1	1962090	1963512	-16351	intron (NM_001099998, intron 7 of 7)	NM_001145705	rap2ab	10.70006982	6.898678038	3.801391778	1.18E-09
peak_9259	chr8	39101432	39101785	70006	Intergenic	NM_001039526	prlhr2a	6.121125784	2.32024473	3.800881054	5.97E-09
peak_18442	chr22	8415399	8415979	-371519	Intergenic	NM_001122619	sc:d217	7.058529149	3.257829455	3.800699694	1.73E-05
peak_8612	chr11	615589	616267	-32658	intron (NM_131467, intron 4 of 8)	NM_001076651	tsen2	8.098627506	4.298444886	3.80018262	2.40E-09
peak_5668	chr13	2822031	2822371	22274	intron (NM_001161598, intron 2 of 6)	NM_001161598	si:ch211-239i4.3	6.298726614	2.498582364	3.80014425	1.13E-11
peak_5177	chr5	12273098	12273727	-214140	Intergenic	NM_001195784	fep15	6.907929007	3.109086741	3.798842266	3.55E-12
peak_9793	chr1	52309428	52309661	-11454	Intergenic	NM_212969	dand5	5.252081089	1.453857079	3.79822401	1.23E-08
peak_20335	chr9	12977744	12978963	-43005	Intergenic	NM_001005941	pttg1ipb	9.298695777	5.501089891	3.797605886	4.92E-05
peak_10957	chr14	19974027	19974465	10097	3' UTR (NM_200366, exon 6 of 6)	NM_200366	prelid1a	6.852570034	3.054972615	3.797597419	4.66E-08
peak_14452	chr20	36816648	36817059	7736	Intergenic	NM_001030275	ptrhd1	6.456605395	2.659088343	3.797517052	1.21E-06
peak_5705	chr14	14014681	14015064	-18102	Intergenic	NM_001159584	itln3	6.332209272	2.534917815	3.797291457	1.22E-11
peak_5985	chr20	43097782	43098172	13264	intron (NM_001030124, intron 3 of 17)	NM_001030124	snx9b	6.450806972	2.653532837	3.797274136	2.26E-11
peak_1342	chr17	27592729	27593530	13397	intron (NM_131224, intron 1 of 7)	NM_131224	qkia	8.746308469	4.950013331	3.796295138	1.90E-20
peak_20740	chr1	9566829	9567361	12273	intron (NM_152956, intron 2 of 12)	NM_152956	dachb	6.989636937	3.19338299	3.796253947	5.96E-05
peak_12242	chr20	26411625	26412283	1021	intron (NM_152959, intron 1 of 8)	NM_152959	esr1	6.917257422	3.121005563	3.796251859	1.69E-07
peak_7957	chr7	28906368	28906878	-21768	Intergenic	NM_001002013	copb1	7.986932673	4.190703529	3.796229144	8.89E-10
peak_11667	chr25	12551018	12551511	-12416	Intergenic	NM_001256664	ntrk3a	7.153533984	3.357576645	3.79595734	9.57E-08
peak_12866	chr12	45556343	45556628	13261	intron (NM_001110011, intron 1 of 20)	NM_001110011	dock1	5.827567192	2.031824933	3.795742259	3.06E-07
peak_12555	chr18	23995561	23995810	264895	Intergenic	NR_120393		5.790218982	1.994825282	3.7953937	2.30E-07
peak_4588	chr8	10106949	10107631	7920	intron (NM_001098489, intron 1 of 31)	NM_001098489	plxna3	8.601211668	4.806195416	3.795016252	6.80E-13
peak_7266	chr9	13287381	13287840	51618	intron (NM_001039807, intron 1 of 12)	NM_001039807	bmpr2b	7.092983249	3.298074577	3.794908671	2.87E-10
peak_3236	chr22	491632	492042	-10101	Intergenic	NM_205627	dstyk	7.219771848	3.425037864	3.794733983	5.16E-15
peak_14268	chr18	34662239	34663048	-186977	Intergenic	NM_001015066	b3gat1a	8.426752994	4.632523574	3.79422942	1.04E-06
peak_9043	chr7	34616453	34616952	-33425	Intergenic	NM_001172627	itga11a	8.237251795	4.443406945	3.793844851	4.47E-09
peak_3167	chr5	74790642	74792365	43315	Intergenic	NM_001003993	ak1	8.557370149	4.763664557	3.793705592	3.79E-15
peak_7429	chr6	29148685	29149188	23883	intron (NM_001098386, intron 11 of 20)	NM_001098386	usp13	8.120884258	4.327494805	3.793389453	3.82E-10
peak_6012	chr11	23991356	23991723	23800	intron (NM_001077467, intron 1 of 5)	NM_001077467	atp2b4	6.107779486	2.314562059	3.793217427	2.43E-11
peak_9849	chr22	26574239	26574681	-38134	intron (NM_201342, intron 5 of 10)	NM_001123236	LOC554962	7.230223223	3.437413297	3.792809926	1.32E-08
peak_4876	chr18	26073007	26073402	-83326	Intergenic	NR_030101		7.212509155	3.419997938	3.792511216	1.62E-12
peak_12600	chr14	50931636	50932185	-47142	Intergenic	NM_001002065_1	ppid	7.027263195	3.235011559	3.792251636	2.39E-07
peak_8190	chr6	58213718	58214141	-158655	Intergenic	NM_212908	tox2	7.193815456	3.401875646	3.79193981	1.31E-09
peak_5830	chr25	6364514	6365256	-33602	Intergenic	NM_213019	ppib	8.765567573	4.973703309	3.791864264	1.61E-11
peak_10113	chr20	19158365	19158652	11221	Intergenic	NM_001080750	sox7	5.51076527	1.719076102	3.791689168	1.76E-08
peak_4350	chr9	11118574	11119057	123146	Intergenic	NM_001002196	gmppaa	7.555972225	3.764311434	3.791660791	3.19E-13
peak_2974	chr10	35004904	35005846	25099	Intergenic	NM_001199367	zar1l	9.617436154	5.826194689	3.791241465	1.87E-15
peak_8390	chr4	61896657	61897878	-4036	Intergenic	NM_001083821	hla-dpa1	6.591126156	2.800038957	3.791087199	1.81E-09
peak_10430	chr8	45239165	45239823	-40577	Intergenic	NM_001037705	ccdc92	8.310376011	4.519379625	3.790996385	2.52E-08
peak_14456	chr2	23247635	23248090	-50762	Intergenic	NM_213059	crsp7	6.910489906	3.119796884	3.790693022	1.22E-06
peak_14130	chr12	11329728	11330549	49040	intron (NM_001002223, intron 2 of 12)	NM_001002223	mpp2b	8.243593583	4.452949054	3.790644529	9.35E-07
peak_14295	chr2	44657384	44657681	24831	intron (NM_001077340, intron 5 of 7)	NM_001077340	klhl24a	5.946333855	2.155703238	3.790630617	1.06E-06
peak_13458	chr1	10002608	10003103	2280	intron (NM_001278848, intron 1 of 7)	NM_001278848	crfb15	7.19260481	3.401977153	3.790627657	5.36E-07
peak_12345	chr11	38623740	38624519	-9890	exon (NM_001080057, exon 3 of 3)	NM_001080693	mrps2	8.406428987	4.616079577	3.79034941	1.89E-07
peak_10028	chr19	21203321	21203749	-3216	3' UTR (NM_201485, exon 6 of 6)	NM_001045034	kat2b	6.908865484	3.119533191	3.789332292	1.61E-08
peak_22545	chr4	27694145	27694579	-10018	Intergenic	NM_001007373	tprkb	7.020674752	3.231546658	3.789128094	0.000138
peak_13484	chr9	47620873	47621722	-4766	Intergenic	NM_131069	cx43.4	8.40519353	4.616130148	3.789063383	5.47E-07
peak_2921	chr23	5362619	5363316	114568	intron (NM_181498, intron 9 of 10)	NM_001128815	zgc:194242	8.68278771	4.894004632	3.788783079	1.41E-15
peak_5338	chr7	14698377	14698780	6415	exon (NM_200914, exon 3 of 11)	NM_200914	abhd2a	6.767358164	2.978697069	3.788661095	5.18E-12
peak_9034	chr3	34577335	34577780	69041	intron (NM_198911, intron 2 of 10)	NM_198911	sept9a	6.687274834	2.898688444	3.78858639	4.39E-09
peak_3467	chr24	2424943	2425599	-103884	Intergenic	NM_001076711	f13a1a.1	7.646515509	3.858043418	3.788472091	1.32E-14
peak_2941	chr1	14253829	14255044	269008	Intergenic	NM_001045485	pi4k2b	9.615305689	5.827194713	3.788110976	1.58E-15
peak_11456	chr1	51899155	51899572	-16997	Intergenic	NM_213499	actr2a	6.915619357	3.127702223	3.787917134	7.87E-08
peak_7709	chr8	2886625	2887621	-48366	Intergenic	NM_001039998	sh3glb2a	7.44652054	3.658706584	3.787813956	6.11E-10
peak_11898	chr25	2126779	2127103	-42991	Intergenic	NM_001102567	pparab	6.657478453	2.869800426	3.787678027	1.22E-07
peak_14617	chr11	46506065	46507125	-38243	Intergenic	NM_001017575	aspscr1	9.490786288	5.703467343	3.787318945	1.37E-06
peak_6778	chr6	4749188	4749683	317235	Intergenic	NM_201285	pou4f1	6.802911229	3.01571074	3.787200489	1.13E-10
peak_13238	chr12	28989972	28990649	-42938	Intergenic	NM_001002450	meox1	7.875363569	4.088325327	3.787038242	4.35E-07
peak_11003	chr12	9524515	9524976	-52195	Intergenic	NM_200161	reep3b	6.722138497	2.935137018	3.787001478	4.94E-08
peak_3527	chr13	552284	553241	-591	promoter-TSS (NM_200589)	NM_200589	abcc2	8.17144431	4.384521224	3.786923086	1.74E-14
peak_2756	chr3	55794723	55795705	49375	intron (NM_001002228, intron 1 of 17)	NM_001002228	rhbdf1	9.352374202	5.565641211	3.786732991	5.88E-16
peak_11996	chr10	31974354	31975292	-177009	Intergenic	NM_001005580	opcml	7.918631658	4.132175214	3.786456444	1.34E-07
peak_12873	chr8	15974182	15974872	-152048	Intergenic	NM_001017814	spata6	7.869911713	4.083700472	3.786211241	3.09E-07
peak_8286	chr8	17082474	17083015	29147	Intergenic	NM_199713	calrl2	6.041705568	2.255649879	3.786055689	1.56E-09
peak_5844	chr2	22804075	22804505	-4808	Intergenic	NM_131213	rnf2	6.880322981	3.094444997	3.785877984	1.66E-11
peak_3507	chr2	27740918	27741667	16067	intron (NM_001004543, intron 8 of 12)	NM_001004543	lyn	9.385431643	5.599756699	3.785674944	1.58E-14
peak_15271	chr10	19079995	19080516	32750	Intergenic	NM_001004006	tmem230a	7.319432476	3.534255644	3.785176832	2.22E-06
peak_8833	chr11	6707750	6708114	169119	Intergenic	NM_213031	gadd45ba	6.049067987	2.264418289	3.784649698	3.35E-09
peak_13048	chr10	28610120	28610718	100378	Intergenic	NM_001020542	ints2	8.206554352	4.421964025	3.784590327	3.70E-07
peak_8686	chr25	14977877	14978321	22546	intron (NM_200042, intron 4 of 6)	NM_200042	mpped2	8.107371628	4.322945904	3.784425724	2.67E-09
peak_13809	chr23	29693649	29694254	54404	intron (NM_194382, intron 13 of 46)	NM_194382	kif1b	8.971297521	5.187291264	3.784006257	7.12E-07
peak_8666	chr25	15816149	15816712	172338	Intergenic	NM_001144047	hipk3a	6.4192396	2.635788132	3.783451469	2.58E-09
peak_11638	chr3	49976770	49977108	-26451	Intergenic	NM_001076646	hs3st3b1a	6.123650493	2.340208795	3.783441698	9.35E-08
peak_14121	chr2	33202955	33203247	27916	intron (NM_001128385, intron 5 of 5)	NM_001013486	zgc:113531	5.938805923	2.155703238	3.783102684	9.31E-07
peak_11732	chr1	56904104	56904830	6278	Intergenic	NR_030502		4.856782579	1.07379276	3.782989819	1.02E-07
peak_9096	chr3	52468708	52469022	163954	intron (NM_001040245, intron 6 of 12)	NM_001040245	baiap2a	6.00034348	2.217376759	3.782966721	4.79E-09
peak_2705	chr4	4735658	4736258	58677	Intergenic	NM_001089551	slc13a4	8.665577979	4.882716612	3.782861368	4.59E-16
peak_20685	chr7	35699349	35699808	59766	Intergenic	NM_001017717	bbox1	6.725490847	2.942748453	3.782742394	5.83E-05
peak_10852	chr13	15542531	15542836	7893	intron (NM_199885, intron 1 of 15)	NM_199885	mark3	4.608419895	0.825787209	3.782632686	4.12E-08
peak_15064	chr11	16586624	16587283	12855	intron (NM_200928, intron 1 of 6)	NM_200928	rab7	7.21533158	3.432754676	3.782576904	1.90E-06
peak_9852	chr9	29405437	29406403	26459	intron (NM_001044766, intron 1 of 3)	NM_001044766	klf7b	9.003854533	5.221437301	3.782417232	1.32E-08
peak_4973	chr13	17586598	17586971	69345	Intergenic	NM_198840	znf503	6.469826694	2.687915458	3.781911237	2.06E-12
peak_7589	chr14	22713941	22714723	13651	intron (NM_200543, intron 1 of 10)	NM_200543	stx3a	7.440710891	3.659354685	3.781356206	5.02E-10
peak_12850	chr19	1070027	1070479	15853	Intergenic	NM_001077757	zdhhc3b	7.140008844	3.359042755	3.780966089	3.01E-07

peak_11285	chr17	39290040	39290643	61585	intron (NM_212821, intron 2 of 16)	NM_212821	crim1	7.515232875	3.734643913	3.780588962	6.55E-08
peak_10821	chr16	36711475	36711863	-9214	Intergenic	NM_200670	phactr4b	6.600472199	2.820018324	3.780453875	3.97E-08
peak_20022	chr20	28126892	28127604	-147654	Intergenic	NM_001079835	dll4	6.897444541	3.117255375	3.780189165	4.18E-05
peak_4404	chr10	39783575	39783995	-25	promoter-TSS (NM_001006039)	NM_001006039	samsn1b	6.966732128	3.186714878	3.780017251	3.92E-13
peak_8975	chr19	22949767	22950564	13020	intron (NM_001100032, intron 3 of 31)	NM_001100032	pleca	8.26123153	4.481331591	3.779899939	4.05E-09
peak_1585	chr2	19640529	19641134	-21700	Intergenic	NM_131614	pbx1a	9.051517138	5.272407913	3.779109225	2.36E-19
peak_7511	chr7	14291931	14292347	-26593	Intergenic	NM_212923	arih1l	6.984580723	3.206750451	3.777830272	4.43E-10
peak_5387	chr7	29005212	29006198	45707	intron (NM_001017815, intron 3 of 5)	NM_001017815	rras2	8.754892899	4.977184464	3.777708435	5.76E-12
peak_8782	chr6	12863427	12863756	-16475	Intergenic	NM_001082849	mcm6	6.130902821	2.353473226	3.777429594	3.07E-09
peak_5560	chr18	46966435	46966725	-25789	Intergenic	NM_131348	fli1a	6.227593632	2.450209466	3.777384165	8.97E-12
peak_7635	chr16	1269834	1270296	259953	Intergenic	NM_178222	sim1a	6.430768794	2.653483943	3.777284851	5.42E-10
peak_12965	chr7	66215773	66217284	-102389	Intergenic	NM_001099253_1	nadsyn1	3.996540512	0.219835396	3.776705116	3.38E-07
peak_12964	chr15	8234570	8235067	17482	Intergenic	NM_001040313	zgc:136739	3.996540512	0.219835396	3.776705116	3.38E-07
peak_2813	chr19	44917035	44918185	-6263	Intergenic	NM_001083088	si:ch211-193k19.	9.559390681	5.782899553	3.776491128	8.08E-16
peak_3685	chr13	3922498	3922906	35496	intron (NM_213318, intron 3 of 16)	NM_213318	ppp2r5d	7.194574878	3.418197023	3.776377855	3.17E-14
peak_11596	chr24	35695528	35695926	-213558	Intergenic	NM_001002724	zgc:92591	6.530219374	2.754040972	3.776178403	9.02E-08
peak_12842	chr21	698912	699421	-71464	Intergenic	NM_001113483	klf4	7.629367917	3.853916672	3.775451245	3.00E-07
peak_13508	chr7	32788301	32788627	-12528	Intergenic	NM_001199362	cilp	5.852178391	2.077505579	3.774672812	5.59E-07
peak_7912	chr12	30083937	30084278	168362	Intergenic	NM_001002515	cdk5r1b	5.834156139	2.060106849	3.77404929	8.34E-10
peak_9285	chr13	37153176	37153486	9989	intron (NM_199913, intron 3 of 32)	NM_199913	map4k5	6.192162615	2.418357528	3.773805087	6.21E-09
peak_9027	chr9	14776304	14776946	4441	intron (NM_212966, intron 1 of 16)	NM_212966	nrp2b	8.492895068	4.719649127	3.773245941	4.35E-09
peak_13187	chr6	8227505	8227851	71376	Intergenic	NM_001040393	kalrnb	3.992402332	0.219835396	3.772566937	4.18E-07
peak_2511	chr9	46331661	46332419	270404	Intergenic	NM_001040004	retsatl	8.316392953	4.544646546	3.771746408	1.56E-16
peak_8366	chr7	38833776	38834108	64505	Intergenic	NM_001146014	sall1a	6.082944919	2.311660225	3.771284694	1.74E-09
peak_9489	chr8	3851597	3852352	7681	intron (NM_001003548, intron 1 of 5)	NM_001003548	rab35b	8.083922326	4.312846902	3.771075424	8.26E-09
peak_11764	chr14	31601733	31602283	1384	exon (NM_001166154, exon 2 of 2)	NM_001166154	ccdc85b	5.88351378	2.112469176	3.771044604	1.05E-07
peak_17481	chr13	28931142	28931733	17442	Intergenic	NM_200566	polr1c	6.32343482	2.552474647	3.770960174	9.61E-06
peak_15236	chr5	65584181	65584601	-87375	Intergenic	NM_001100016	si:ch211-253h3.1	6.91452628	3.143644639	3.770881641	2.16E-06
peak_7424	chr25	32382426	32382739	40122	Intergenic	NM_001003744	kras	5.906463592	2.13590992	3.770553671	3.78E-10
peak_2822	chr7	49720102	49721222	-245	promoter-TSS (NM_200259)	NM_200259	rbpms2b	9.094396385	5.323884353	3.770512031	8.42E-16
peak_10090	chr6	34520344	34521193	-136137	Intergenic	NM_199274	rgs4	8.119373643	4.349310456	3.770063186	1.71E-08
peak_13828	chr20	35945120	35945653	63392	intron (NM_001008583, intron 2 of 18)	NM_001008583	cd2ap	6.577595044	2.807636996	3.769958047	7.24E-07
peak_8694	chr3	4524107	4524785	348828	intron (NM_001114711_1, intron 6 of 6)	NM_001130791	plbd1	6.17699611	2.407391883	3.769604227	2.69E-09
peak_11502	chr8	11739216	11739564	-17593	exon (NM_001002871, exon 15 of 20)	NM_001013303	pqlc2	5.582879772	1.813729373	3.769150398	8.23E-08
peak_8619	chr12	21777957	21778379	13111	intron (NM_001017592, intron 1 of 8)	NM_001017592	arhgap17a	7.937186923	4.168400346	3.768786578	2.42E-09
peak_11482	chr11	38447055	38447462	-23804	Intergenic	NM_001040385	egfl7	5.581503012	1.813729373	3.767773639	8.09E-08
peak_12797	chr11	292670	293629	2935	exon (NM_213049_1, exon 5 of 6)	NM_213049_1	poc1a	4.670321705	0.902938058	3.767383646	2.89E-07
peak_18799	chr2	55804164	55804832	-35651	Intergenic	NM_201465	calr3b	7.595927023	3.828651752	3.767275271	2.12E-05
peak_16257	chr5	34606462	34607174	33094	Intergenic	NM_213490	zgc:55461	8.08400808	4.316812649	3.767195431	4.43E-06
peak_9458	chr17	45892713	45893190	8796	Intergenic	NM_001161375	arf6b	8.107521764	4.340452362	3.767069402	7.94E-09
peak_1854	chr20	24058140	24058954	106313	Intergenic	NM_001020750	map3k7	9.020975971	5.254165749	3.766810221	1.96E-18
peak_18481	chr8	11613338	11613716	18628	exon (NM_200893, exon 9 of 15)	NM_200893	ampd1	6.430273871	2.663703566	3.766570305	1.77E-05
peak_8303	chr18	7023313	7023837	-5795	intron (NM_199876, intron 4 of 5)	NR_104060		6.387738622	2.621383274	3.766355349	1.59E-09
peak_9779	chr1	22907034	22907506	56789	Intergenic	NM_152975	mab21l2	6.273019372	2.506893179	3.766126193	1.21E-08
peak_7778	chr8	958993	959977	-16804	Intergenic	NM_001003778	mrps27	9.218326598	5.452449207	3.765877391	6.72E-10
peak_9350	chr2	45152644	45153007	9760	exon (NM_001254950, exon 8 of 12)	NM_001253811	chrng	7.056704079	3.291021629	3.765682451	6.85E-09
peak_10828	chr9	13420131	13420463	23480	intron (NM_001128362, intron 1 of 7)	NM_001128362	si:dkey-56k23.2	5.98406993	2.218486092	3.765583837	4.01E-08
peak_11899	chr16	4621379	4621784	-20684	Intergenic	NM_001110349	vegfaa	5.628583953	1.863651775	3.764932178	1.22E-07
peak_9441	chr10	42206585	42206947	-13983	Intergenic	NM_131404	pcna	6.053066316	2.288524099	3.764542217	7.75E-09
peak_13445	chr16	7251046	7251869	207322	Intergenic	NM_131059	ctnnb1	8.611114716	4.846967012	3.764147705	5.29E-07
peak_9395	chr1	17590178	17590554	484	intron (NM_001161335, intron 1 of 3)	NM_001161335	zgc:195282	7.098948299	3.335046952	3.763901348	7.32E-09
peak_7517	chr8	7267053	7267541	69151	intron (NM_001110012, intron 38 of 50)	NM_001100629	tas2r202	7.247152094	3.48334743	3.763804664	4.52E-10
peak_13424	chr10	45476197	45476878	-10369	Intergenic	NM_001003782	sept5b	7.064618902	3.300878003	3.763740899	5.20E-07
peak_14507	chr1	30152773	30154096	-15259	Intergenic	NM_001017795	eef1a1b	9.283116001	5.519422063	3.763693938	1.27E-06
peak_15346	chr22	28121000	28121365	-308390	Intergenic	NM_001083852	wu:fu71h07	3.982700169	0.219835396	3.762864773	2.33E-06
peak_20546	chr2	42311371	42311924	-2419	TTS (NM_001001832)	NM_001130853	si:ch211-235o23.	6.672009836	2.909201936	3.7628079	5.45E-05
peak_10750	chr8	47347588	47348184	-98440	Intergenic	NM_213457	chmp4b	8.189374165	4.427225152	3.762149013	3.66E-08
peak_7531	chr5	18389433	18389869	122080	Intergenic	NM_001004640	atad1a	6.733157692	2.971727856	3.761429835	4.64E-10
peak_5754	chr15	5320216	5321149	19116	intron (NM_001159822, intron 1 of 15)	NM_001159822	arrb1	9.261770955	5.500896242	3.760874712	1.35E-11
peak_7828	chr21	42326938	42327221	19473	intron (NM_201133_1, intron 5 of 16)	NM_201133_1	stk10	5.720459396	1.960442161	3.760017234	7.28E-10
peak_12894	chr5	33896084	33896720	34178	Intergenic	NM_001161446	myhz1.2	7.982935551	4.223076311	3.75985924	3.14E-07
peak_14311	chr11	2863358	2863885	-121511	Intergenic	NM_201028	cpne5	7.017603956	3.258363415	3.759240541	1.07E-06
peak_2778	chr8	50373878	50374360	317354	Intergenic	NM_001128254	mfn2	8.478260876	4.719321805	3.758939071	6.95E-16
peak_25562	chr20	10129022	10129552	15210	Intergenic	NM_194420	cx35b	7.423087929	3.664937995	3.758149934	0.000474
peak_18067	chr12	30066562	30066923	150997	Intergenic	NM_001002515	cdk5r1b	6.251232298	2.493469792	3.757762506	1.42E-05
peak_13654	chr14	5816249	5816782	6678	intron (NM_001105124, intron 3 of 3)	NM_001105124	kazald2	7.639021844	3.881285694	3.75773615	6.33E-07
peak_1633	chr14	48762756	48763711	139528	intron (NM_001004573, intron 5 of 9)	NM_001004573	macrod1	10.14931316	6.39160805	3.757705107	3.52E-19
peak_6238	chr2	13604171	13604495	77411	Intergenic	NM_001003840	ebna1bp2	6.795979847	3.038313488	3.757666359	4.02E-11
peak_9450	chr21	479416	479994	-24178	3' UTR (NM_001003831, exon 14 of 14)	NM_205663_1	lhfpl2a	7.210868946	3.453218187	3.757650759	7.85E-09
peak_1251	chr17	41301810	41302723	61208	intron (NM_001017777, intron 4 of 11)	NM_001017777	bre	9.835137718	6.077747289	3.757390428	8.12E-21
peak_9908	chr13	15784980	15785454	14382	intron (NM_200953, intron 1 of 14)	NM_200953	klc1a	7.24788396	3.49064464	3.75723932	1.42E-08
peak_7698	chr21	35363998	35364323	19462	intron (NM_214692, intron 1 of 13)	NM_214692	mpp1	5.853319724	2.096534005	3.756785718	5.94E-10
peak_7637	chr8	20504349	20504707	-11202	Intergenic	NM_001123276	znf692	6.232865084	2.476167277	3.756697807	5.44E-10
peak_5330	chr6	504206	504544	-40798	Intergenic	NM_200514	lgals2b	6.974095709	3.21769379	3.756401919	5.05E-12
peak_10695	chr19	16338439	16338978	304034	Intergenic	NM_001040375	stmn1a	7.638028817	3.881781451	3.756247366	3.45E-08
peak_13523	chr7	66642828	66643157	187208	Intergenic	NM_198825_1	fam60al	6.096238025	2.340208795	3.756029229	5.64E-07
peak_8944	chr23	25910427	25910868	-85497	Intergenic	NM_001003541	rbms2b	8.000757703	4.244753619	3.756004084	3.90E-09
peak_12406	chr6	55247687	55248134	-8593	Intergenic	NM_001020528	zgc:109913	7.237114572	3.481595481	3.75551909	2.01E-07
peak_13519	chr8	33556327	33557233	96476	Intergenic	NM_001123324	zgc:194839	7.457871091	3.702689215	3.755181876	5.63E-07
peak_24132	chr21	42389345	42390363	82248	intron (NM_001017741, intron 16 of 17)	NM_201133_1	stk10	7.156628158	3.401656788	3.754971371	0.000273
peak_8986	chr10	35748938	35749234	35796	intron (NM_001013500, intron 19 of 26)	NM_001013500	nbeaa	6.207451528	2.453365883	3.754085644	4.11E-09
peak_10481	chr16	26119096	26119557	-11441	Intergenic	NM_001002454	gtpbp10	6.174580884	2.421085965	3.753494919	2.68E-08
peak_15757	chr17	41861214	41862024	-246277	Intergenic	NM_001098390	zgc:162576	9.038086203	5.284730493	3.753355709	3.19E-06
peak_20435	chr10	1739632	1740606	4981	exon (NR_036690, exon 3 of 3)	NR_036690		8.890258913	5.137294896	3.752964017	5.15E-05
peak_8582	chr20	39123545	39124076	4018	intron (NM_214819, intron 1 of 6)	NM_214819	rcan2	7.129167102	3.376437023	3.752730078	2.32E-09
peak_9732	chr14	27599591	27599962	-54181	Intergenic	NM_182862	tgfbi	6.179746013	2.427487083	3.75225893	1.14E-08
peak_8996	chr5	47689596	47689996	749	intron (NM_001128340, intron 1 of 37)	NM_001128340	iqgap2	6.083917599	2.332063934	3.751853665	4.20E-09
peak_7208	chr13	47351623	47352171	-48193	Intergenic	NM_001003869	fbxo5	9.233896376	5.482343138	3.751553238	2.59E-10
peak_8723	chr19	36138701	36138987	151956	exon (NM_001144043, exon 9 of 19)	NM_001044925	elp2	6.037045147	2.285532808	3.751512339	2.85E-09
peak_6482	chr17	29654867	29655400	276436	Intergenic	NM_001045177	ptpreb	6.894284438	3.142918907	3.751365531	6.55E-11
peak_10989	chr2	32635151	32635587	70854	Intergenic	NM_001002637	tmem53	6.764506307	3.013573968	3.75093234	4.86E-08
peak_10676	chr19	26513045	26513587	56651	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	7.464103065	3.713437822	3.750665243	3.39E-08
peak_12170	chr13	9232987	9233216	7794	intron (NM_213389, intron 3 of 14)	NM_213389	tm9sf3	5.564386956	1.813729373	3.750657583	1.59E-07
peak_9262	chr21	19211300	19211586	-387	promoter-TSS (NM_001099427)	NM_001099427	hspb11	5.779428557	2.029130699	3.750297858	6.00E-09
peak_3430	chr20	6651593	6652249	11766	Intergenic	NM_001171033	si:ch211-191a24.	7.992569958	4.242682838	3.74988712	1.15E-14
peak_14258	chr6	6929802	6930290	-37124	intron (NM_001004602, intron 9 of 13)	NM_200185	tuba8l4	7.530212435	3.780479238	3.749733197	1.03E-06
peak_16508	chr23	23831120	23831645	51382	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	7.427714763	3.678072678	3.749642084	5.30E-06
peak_3575	chr19	45735404	45735900	-139938	Intergenic	NM_001045120	rad21b	7.199369884	3.44986895	3.749500934	2.03E-14
peak_14872	chr15	8381507	8381900	1836	exon (NM_001044904, exon 2 of 10)	NM_001044904	tnfrsf19	7.075283799	3.325866797	3.749417001	1.65E-06
peak_17259	chr5	59845568	59845903	-42035	Intergenic	NM_001002723_2		6.242496609	2.493469792	3.749026817	8.33E-06
peak_7064	chr7	36028165	36028563	-46841	Intergenic	NM_001113472	slc9a5	6.654195124	2.905286069	3.748909056	1.96E-10
peak_9972	chr14	29252927	29253515	-150818	Intergenic	NM_200688	zgc:64189	8.421300802	4.672532109	3.748768694	1.51E-08
peak_14439	chr24	20187936	20188319	79377	Intergenic	NM_199619	csrnp1b	6.509559236	2.760912554	3.748646682	1.20E-06
peak_15045	chr10	1737	2197	-545	promoter-TSS (NM_212815_1)	NM_212815_1	akt2l	5.904241258	2.155703238	3.74853802	1.88E-06
peak_16471	chr7	54247707	54248577	39989	Intergenic	NM_001077542	mtfmt	7.971557766	4.224064446	3.74749332	5.16E-06

peak_8035	chr17	35488227	35488469	-3702	Intergenic	NM_001045209	rnf144aa	5.588857244	1.841665638	3.747191606	1.01E-09
peak_10604	chr18	33952244	33952494	124058	exon (NM_001102571, exon 34 of 105)	NM_001102571	ryr1b	5.353653748	1.606593419	3.747060329	3.09E-08
peak_12326	chr19	14704020	14704615	9697	Intergenic	NM_001045185	edn2	7.890397911	4.143916998	3.746480913	1.84E-07
peak_9231	chr3	44553540	44553919	237709	Intergenic	NM_001080589	hs3st4	5.055363031	1.309043062	3.746319969	5.75E-09
peak_11029	chr16	55236815	55237389	-136309	Intergenic	NM_001163294	col27a1a	8.120805277	4.374544162	3.746261115	5.07E-08
peak_11586	chr10	8722454	8722998	3211	Intergenic	NM_001030197	aplnrb	6.836262943	3.090082284	3.746180659	8.90E-08
peak_9616	chr19	38148265	38148667	-518978	Intergenic	NM_001007288	cx30.9	6.491303907	2.745358565	3.745945342	9.76E-09
peak_13212	chr9	24406364	24407152	9718	intron (NM_001123295, intron 2 of 3)	NM_001123295	sh3bp4	8.59671899	4.851240406	3.745478585	4.26E-07
peak_15298	chr22	17989276	17989677	-19159	Intergenic	NM_001080661	tm6sf2	7.466342613	3.720950587	3.745392026	2.26E-06
peak_2576	chr6	47470647	47471850	62332	Intergenic	NR_030036		9.30647207	5.561293395	3.745178675	2.19E-16
peak_13375	chr25	38461348	38462160	5723	intron (NM_001040635, intron 15 of 31)	NM_001040635	fanca	6.823302322	3.07975896	3.743543362	5.00E-07
peak_1316	chr5	10319658	10320585	182838	Intergenic	NM_001080038	zgc:158343	9.636497479	5.89350302	3.742994459	1.49E-20
peak_14085	chr5	1876105	1876463	40946	Intergenic	NM_200293_1	ddrgk1	6.475549326	2.73261417	3.742935156	9.03E-07
peak_11020	chr16	28637327	28637698	-52865	Intergenic	NM_001109704	trim35-28	6.626595759	2.883713692	3.742882067	5.03E-08
peak_5221	chr21	11189567	11190479	96863	Intergenic	NM_001033747	zgc:109965	9.710401722	5.968892174	3.741509548	3.94E-12
peak_8057	chr23	4623110	4623440	136202	intron (NM_181498_1, intron 5 of 5)	NM_199749	cnbpa	5.987885659	2.24644941	3.74143625	1.06E-09
peak_12833	chr9	39107090	39107449	11623	intron (NM_001007369, intron 5 of 14)	NM_001007369	stam2	5.691347445	1.950187435	3.74116001	2.98E-07
peak_14856	chr6	22841789	22842313	31576	exon (NM_001128357, exon 21 of 21)	NM_001128357	obsl1a	7.150596935	3.410240057	3.740356879	1.63E-06
peak_8897	chr22	32599694	32600678	-3747	TTS (NM_212565)	NM_214689	smc3	7.406314509	3.666270164	3.740044344	3.62E-09
peak_8988	chr3	222380	222802	71598	Intergenic	NM_001045222	pglyrp6	7.128852958	3.389119196	3.739733762	4.16E-09
peak_6845	chr7	8143781	8144120	82450	Intergenic	NM_001007772	zgc:101810	6.256993301	2.51728321	3.739710091	1.28E-10
peak_1049	chr2	57467061	57467756	84264	Intergenic	NM_001245962_1	sbno2a	9.296731299	5.557353441	3.739377858	5.60E-22
peak_11081	chr12	27318648	27318973	-54336	Intergenic	NM_199545	glud1b	6.747178552	3.008140394	3.739038158	5.39E-08
peak_10954	chr10	12152075	12152559	-17090	Intergenic	NM_001004502	lpar1	6.703658466	2.965355377	3.738303089	4.64E-08
peak_18748	chr25	34122450	34123013	-120392	Intergenic	NR_030102		7.067253933	3.330205026	3.737048907	2.05E-05
peak_17084	chr6	16141243	16142170	182306	Intergenic	NM_001002395	faimb	9.452146034	5.715704702	3.736441333	7.40E-06
peak_11853	chr4	10807495	10808283	7672	intron (NM_001045016, intron 1 of 7)	NM_001045016	podxl	7.159842558	3.424724548	3.73511801	1.16E-07
peak_14377	chr5	47365819	47366183	39201	exon (NM_001034984, exon 23 of 26)	NM_001002568_1	gc	6.770169143	3.035518926	3.734650216	1.13E-06
peak_7529	chr3	32172802	32173090	43744	intron (NM_001195240, intron 3 of 3)	NM_001013296	baxb	5.70702943	1.972678992	3.734350438	4.61E-10
peak_7080	chr20	39649399	39649746	-27525	Intergenic	NM_131622	hey2	7.269595419	3.535942404	3.733653015	2.02E-10
peak_15813	chr13	14773485	14773907	16478	Intergenic	NM_001115095	cdc25	6.051390411	2.318779611	3.732610799	3.29E-06
peak_14777	chr15	14541028	14541527	5650	intron (NM_205762, intron 1 of 7)	NM_205762	traf4a	7.081484669	3.3494613	3.732023369	1.55E-06
peak_15781	chr3	8926881	8927276	-57164	Intergenic	NM_001014360	zgc:113250	7.627806049	3.895807695	3.731998354	3.24E-06
peak_6875	chr8	20229409	20229847	17257	Intergenic	NM_131271	foxd1	8.484065861	4.752347097	3.731718764	1.35E-10
peak_12452	chr15	34342149	34342638	3129	intron (NM_213519, intron 1 of 9)	NM_213519	sesn3	6.936284366	3.204878865	3.731405501	2.10E-07
peak_2956	chr6	30557915	30558734	162155	Intergenic	NM_001037669	insl5a	10.09749831	6.366489921	3.731008392	1.69E-15
peak_21613	chr15	27836033	27836514	4416	intron (NM_001030229, intron 1 of 1)	NM_001030229	ankrd13b	6.996358278	3.265694078	3.730664201	9.06E-05
peak_7721	chr8	10889765	10890101	24727	Intergenic	NM_001077391	zgc:153997	6.277310655	2.547001679	3.730308976	6.27E-10
peak_12537	chr7	21384958	21385451	-32841	Intergenic	NM_212648	dvl2	7.456097344	3.726126456	3.729970888	2.26E-07
peak_11896	chr6	52439253	52439766	78690	Intergenic	NM_001076755	uqcc1	8.105358554	4.375604881	3.729753673	1.21E-07
peak_6909	chr10	20098273	20099184	-5387	Intergenic	NM_001128230	xpo7	8.617352181	4.887857119	3.729495062	1.44E-10
peak_17716	chr3	29545654	29546220	-50655	Intergenic	NM_001017756	grap2a	6.700267273	2.971410241	3.728857031	1.14E-05
peak_14223	chr14	32004893	32005590	15786	intron (NM_131860, intron 1 of 8)	NM_131860	gpc4	7.969794623	4.241138027	3.728656597	1.00E-06
peak_13241	chr10	21010063	21010735	-223085	Intergenic	NM_200782	kcnip3b	6.409687848	2.681306914	3.728380934	4.36E-07
peak_12134	chr2	33292662	33293272	70223	intron (NM_001128385, intron 2 of 5)	NM_001128385	LOC100148828	7.543395872	3.815027644	3.728368228	1.53E-07
peak_6493	chr17	10650492	10651095	41442	Intergenic	NM_001024812	zgc:113944	6.441209628	2.714008814	3.727200813	6.68E-11
peak_5281	chr22	14596360	14596944	335446	Intergenic	NM_199708	bzw1a	7.149959784	3.422762062	3.727197722	4.60E-12
peak_10800	chr14	30697931	30698328	-28491	Intergenic	NM_001042718	pdlim3b	6.527586451	2.800933756	3.726652695	3.87E-08
peak_17957	chr18	33203884	33204358	262375	Intergenic	NM_001045019	tiparp	7.246283502	3.519815495	3.726468007	1.33E-05
peak_2129	chr19	496004	496621	-54356	Intergenic	NM_200674	dus3l	7.800540642	4.074178235	3.726362406	1.39E-17
peak_9685	chr2	42887496	42887985	39216	exon (NM_001143752, exon 12 of 16)	NM_001002469		7.837625994	4.112589566	3.725036428	1.06E-08
peak_2808	chr23	46111882	46112550	4429	intron (NM_001042775, intron 1 of 13)	NM_001042775	abcg2a	8.435442018	4.711228777	3.724213241	7.90E-16
peak_12641	chr14	34911993	34912269	-11103	Intergenic	NM_001002561	clic2	5.63080423	1.907116997	3.723687233	2.48E-07
peak_7616	chr12	6220007	6220400	97110	Intergenic	NM_001190309	itga3b	6.700043493	2.977410972	3.72263252	5.25E-10
peak_9954	chr13	49478322	49478663	-75895	Intergenic	NM_182860	msh6	5.942028049	2.220512599	3.72151545	1.48E-08
peak_8412	chr20	33305062	33305668	-27999	Intergenic	NM_212614	mycn	7.71303897	3.991658226	3.721380744	1.87E-09
peak_12994	chr14	1992239	1992702	-107135	Intergenic	NM_001111171	etf1a	7.763500754	4.042245061	3.721255694	3.50E-07
peak_9346	chr7	54775474	54775748	3878	intron (NM_001076585, intron 1 of 5)	NM_001076585	zgc:153993	5.383516031	1.663367097	3.720148935	6.83E-09
peak_16140	chr21	22289532	22290182	-128313	Intergenic	NM_200141	zw10	8.070625135	4.350570925	3.720054209	4.12E-06
peak_8417	chr22	731853	732358	11053	intron (NM_200245, intron 13 of 13)	NM_200245	rbbp5	8.169078325	4.44909264	3.719985686	1.89E-09
peak_4757	chr7	56264882	56265344	58188	Intergenic	NM_131820	cdh1	7.338351717	3.61842457	3.719927147	1.11E-12
peak_14209	chr20	51727613	51728447	-4257	Intergenic	NM_205766	rnf8	7.981795206	4.263637169	3.718158037	9.92E-07
peak_13584	chr1	27590027	27590445	-28016	Intergenic	NM_131197	ednrb1a	6.783237847	3.065130595	3.718107252	5.93E-07
peak_10805	chr8	38633050	38633651	-6573	Intergenic	NM_001083869	or135-1	6.671591134	2.953519775	3.718071359	3.89E-08
peak_13987	chr1	35646551	35646990	-17780	Intergenic	NM_001105112	mmaa	6.842823558	3.125561384	3.717262174	8.31E-07
peak_5464	chr18	30677157	30678014	-113855	Intergenic	NM_001080186	foxf1	8.059111118	4.342212528	3.71689859	7.08E-12
peak_10137	chr11	2621880	2622212	9347	intron (NM_001130768, intron 4 of 10)	NM_001130768	zgc:193807	4.943100495	1.226539182	3.716561313	1.82E-08
peak_8614	chr7	50161944	50162232	29707	Intergenic	NM_001128239	trpm5	5.806462687	2.091233224	3.715229463	2.41E-09
peak_11194	chr7	47065494	47065884	485333	Intergenic	NM_001103194	uqcrfs1	6.558320626	2.843128234	3.715192393	5.99E-08
peak_2713	chr23	37416138	37417137	-5435	Intergenic	NM_001004547	fam43b	8.653806699	4.93878209	3.715024609	4.80E-16
peak_10723	chr5	45168240	45169040	79514	Intergenic	NM_001099974	rhobtb2a	7.950517233	4.235615427	3.714901806	3.55E-08
peak_7400	chr15	31280138	31280696	122062	Intergenic	NM_001110394	brca2	7.104559993	3.389900422	3.714659571	3.65E-10
peak_13873	chr23	40539116	40539895	-9836	Intergenic	NM_001103125	fam46ab	8.380212842	4.665832618	3.714380224	7.53E-07
peak_21463	chr14	45511374	45512123	-145912	Intergenic	NM_182885	pcdh10b	8.230227494	4.517196886	3.713030608	8.38E-05
peak_12152	chr23	12324072	12324416	57035	Intergenic	NM_001110412	ppp1r3da	5.847985764	2.135261834	3.71272393	1.56E-07
peak_9046	chr9	14154587	14154899	144919	Intergenic	NM_001076586	abi2a	5.794186482	2.081549012	3.71263747	4.49E-09
peak_10051	chr12	49402493	49403079	19218	intron (NM_198811, intron 1 of 18)	NM_198811	pald1a	7.926897881	4.214506274	3.712391607	1.64E-08
peak_2786	chr14	5290199	5290932	-101460	Intergenic	NM_001007134	lbx2	10.37488928	6.662862182	3.712027093	7.17E-16
peak_2508	chr10	9852896	9853627	212357	Intergenic	NM_001044910	si:ch211-243g18.	9.17529694	5.463883341	3.711413599	1.54E-16
peak_3898	chr7	53966377	53967031	46854	Intergenic	NM_214816	tcf12	8.438550519	4.727334866	3.711215653	7.24E-14
peak_10715	chr19	47253582	47254251	195425	intron (NM_001177934, intron 6 of 7)	NM_200669	ptpn12	4.598418383	0.887237959	3.711180424	3.51E-08
peak_6356	chr10	18914846	18915208	5951	intron (NM_199776, intron 2 of 9)	NM_199776	ppp2r2d	6.281257095	2.570131668	3.711125427	5.07E-11
peak_9064	chr25	15657840	15658239	13947	intron (NM_001144047, intron 2 of 15)	NM_001144047	hipk3a	6.055363031	2.344877724	3.710485306	4.61E-09
peak_10660	chr24	30218816	30219186	-59760	Intergenic	NM_001163988	prmt6	4.784247197	1.07379276	3.710454438	3.34E-08
peak_13598	chr9	45072630	45073354	201799	Intergenic	NM_200921	ube2e3	8.97532952	5.265072588	3.710256932	6.02E-07
peak_14440	chr21	27565822	27566213	169354	intron (NM_001079970, intron 3 of 23)	NM_001079970	nrxn2a	6.129647348	2.419821623	3.709825725	1.21E-06
peak_9316	chr16	47538747	47540351	26143	Intergenic	NM_001007425	zgc:101716	9.353212885	5.643465384	3.7097475	6.54E-09
peak_3520	chr21	22780594	22781101	-195358	intron (NM_131202, intron 1 of 18)	NM_199635	zbtb16a	8.143822829	4.434617991	3.709204837	1.64E-14
peak_19636	chr14	2088787	2089174	-10625	Intergenic	NM_001111171	etf1a	6.472319469	2.763170291	3.709149178	3.36E-05
peak_15564	chr10	762000	763227	-85171	Intergenic	NM_001080607	glis3	8.642288033	4.933797905	3.708490128	2.73E-06
peak_5857	chr21	19877074	19877498	-28803	Intergenic	NM_199645	eif4ebp1	6.787025492	3.078559908	3.708465584	1.72E-11
peak_8243	chr14	6447382	6447791	45267	exon (NM_001114586, exon 15 of 46)	NM_200264	nipsnap3	6.71775867	3.009676624	3.708082046	1.44E-09
peak_13766	chr10	31004407	31004985	133323	intron (NM_001003852, intron 1 of 9)	NM_001003852	ntm	8.004710811	4.296707835	3.708002976	6.89E-07
peak_8080	chr20	7715531	7715859	-46372	Intergenic	NM_001033101	bloc1s2	6.016415696	2.308716571	3.707699125	1.09E-09
peak_4809	chr18	7032575	7033018	3426	Intergenic	NR_104060		6.800151878	3.092611451	3.707540427	1.29E-12
peak_9126	chr9	8749536	8750227	201495	Intergenic	NM_212771	rab20	8.030724133	4.323675154	3.707048979	4.98E-09
peak_9600	chr6	45134596	45135001	-295657	Intergenic	NM_001080051	cntn4	5.308778146	1.601791524	3.706986622	9.60E-09
peak_8113	chr23	36698553	36698942	-696	promoter-TSS (NM_001020478)	NM_001020478	gpr182	6.048735907	2.342001139	3.706734768	1.16E-09
peak_5897	chr2	52876188	52876932	-116122	Intergenic	NM_001110833	ccdc94	8.780284733	5.073778349	3.706506384	1.88E-11
peak_6625	chr13	181305	181619	7014	intron (NM_001127335, intron 9 of 13)	NM_001127335	ddx21	6.280142431	2.574161832	3.705980599	8.60E-11
peak_8460	chr13	34870491	34870840	-42442	Intergenic	NM_001100953	tasp1	5.50251599	1.797021998	3.705493992	1.99E-09
peak_11004	chr4	20341811	20342549	60335	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	7.64705764	3.942087915	3.704969725	4.94E-08
peak_3340	chr11	35257427	35258062	151985	Intergenic	NM_001037377	pfkfb4	7.575854123	3.870930263	3.70492386	8.13E-15
peak_10093	chr3	33224425	33224900	26022	intron (NM_131399, intron 1 of 7)	NM_131399	rarab	7.650576088	3.945788777	3.704787311	1.72E-08
peak_9068	chr23	27791989	27792286	20167	Intergenic	NM_001004575	pfkma	5.885374666	2.18160029	3.703774376	4.63E-09

peak_10177	chr13	40046732	40047235	4324	Intergenic	NM_001202417	marveld1	7.816956033	4.113194178	3.703761855	1.89E-08
peak_2115	chr18	2347687	2348201	105042	Intergenic	NM_200034	serp1	8.460549989	4.757689716	3.702860272	1.31E-17
peak_16352	chr21	18528313	18528703	51816	Intergenic	NM_182870	fgf10a	6.00306845	2.300427624	3.702640826	4.75E-06
peak_17253	chr20	21951729	21952095	30291	intron (NM_001030136, intron 4 of 24)	NM_001030136	daam1b	6.134368006	2.431948405	3.7024196	8.30E-06
peak_7697	chr25	5222143	5222470	-5819	intron (NM_001077725, intron 12 of 13)	NM_001130779	zgc:194895	5.792997377	2.090739462	3.702257915	5.92E-10
peak_9691	chr6	24073614	24074748	-20724	Intergenic	NM_001045847	nprl2	6.280125927	2.578639432	3.701486495	1.07E-08
peak_7492	chr24	8428493	8428808	101964	Intergenic	NM_176859	tfap2a	6.345534194	2.644509215	3.701024979	4.26E-10
peak_8191	chr20	43668575	43669030	-11399	Intergenic	NM_001044942	parp1	7.474807944	3.774479421	3.700328523	1.32E-09
peak_5970	chr17	35207208	35208076	-56512	Intergenic	NM_001045207	asap2a	9.148255898	5.447981546	3.700274351	2.19E-11
peak_19554	chr21	11473650	11474091	-29648	Intergenic	NM_001040036	adora2ab	6.416410954	2.716259194	3.70015176	3.19E-05
peak_16397	chr20	33993020	33993654	-7032	TTS (NM_001130598)	NM_001243323	selp	7.149495287	3.449474614	3.700020674	4.89E-06
peak_14393	chr22	38056736	38057630	22523	intron (NM_201044, intron 8 of 9)	NM_201336	pfn2	9.257310387	5.557372752	3.699937636	1.15E-06
peak_14740	chr16	53543234	53543782	16357	intron (NM_001003494, intron 2 of 5)	NM_001003494	ube2e2	8.890436133	5.190790682	3.699645451	1.50E-06
peak_2020	chr8	20700004	20700664	4462	intron (NM_001126379, intron 1 of 14)	NM_001126379	acsbg2	9.178501048	5.480472715	3.698028333	7.34E-18
peak_10200	chr11	31020971	31021365	-16673	Intergenic	NM_001130771	cdkl5	6.968488774	3.270665792	3.697822982	1.95E-08
peak_9179	chr12	15096182	15096546	-24136	Intergenic	NM_199783	klhl11	5.942048912	2.244496646	3.697552266	5.35E-09
peak_3576	chr14	10906178	10906767	50868	intron (NM_200653, intron 24 of 34)	NM_200653	atrx	8.699744775	5.002200721	3.697544054	2.03E-14
peak_7157	chr6	42754671	42755268	3275	intron (NM_001014822, intron 1 of 17)	NM_001014822	sema3fa	7.070365461	3.372983068	3.697382393	2.31E-10
peak_10335	chr14	29815938	29816487	-229852	Intergenic	NM_001039064	insb	4.923631181	1.226539182	3.697091999	2.26E-08
peak_4624	chr13	53182790	53183290	-117457	Intergenic	NM_200969	sncb	7.837908699	4.141209555	3.696699143	7.57E-13
peak_6609	chr3	40095870	40096954	-47015	Intergenic	NM_001045469	llgl1	8.946278885	5.250692753	3.695586133	8.23E-11
peak_5119	chr4	7192190	7192640	2119	exon (NM_001025510, exon 2 of 3)	NM_001025510	ccdc3	7.870762822	4.175293829	3.695468992	3.11E-12
peak_12197	chr20	43209735	43210541	64910	Intergenic	NM_001039620	dusp23a	9.302082203	5.606973105	3.695109098	1.63E-07
peak_1714	chr11	24976455	24977295	-17508	Intergenic	NM_212869	trib3	8.75765629	5.063091752	3.694564538	6.72E-19
peak_22038	chr1	35351277	35352046	10172	intron (NM_001137659, intron 2 of 23)	NM_001137659	frem3	7.689199838	3.994969953	3.694229885	0.000111
peak_18953	chr22	33568788	33569158	94068	Intergenic	NM_001040377	zgc:136895	6.252097917	2.558018336	3.694079581	2.31E-05
peak_904	chr6	53915626	53918114	37354	Intergenic	NM_200740	fhit	10.97449423	7.280950025	3.693544203	5.44E-23
peak_11175	chr7	52983311	52984376	-94805	Intergenic	NM_001044906	zgc:136763	9.524929317	5.831555736	3.693373582	5.91E-08
peak_9992	chr20	36975841	36976200	-33742	Intergenic	NM_001006045	cited2	6.183985806	2.490811577	3.693174229	1.55E-08
peak_11305	chr9	1388873	1389701	34842	intron (NM_001127405, intron 16 of 22)	NM_001089361	prkra	7.079850952	3.386891196	3.692959756	6.71E-08
peak_10526	chr8	44702692	44703147	32755	Intergenic	NM_001018128	crybb2	7.254971169	3.562277358	3.69269381	2.80E-08
peak_3709	chr25	32333489	32334173	-57048	Intergenic	NM_001126392	zgc:172145	8.825288105	5.132808257	3.692479848	3.42E-14
peak_16621	chr10	11217446	11217811	-13571	Intergenic	NM_199599	hsdl2	6.060003196	2.367686229	3.692316967	5.66E-06
peak_8732	chr5	43020918	43021347	79537	intron (NM_001100039, intron 3 of 7)	NM_001100039	arid3a	7.249763163	3.557713886	3.692049277	2.87E-09
peak_3003	chr21	10434133	10435047	2	promoter-TSS (NM_199910)	NM_199910	aqp7	9.045650828	5.353723268	3.691927559	2.05E-15
peak_13522	chr5	55710441	55710797	83047	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	5.68663467	1.994825282	3.691809388	5.64E-07
peak_8817	chr19	32576375	32576859	10631	Intergenic	NM_200318	arl4ab	7.940507386	4.248947091	3.691560295	3.26E-09
peak_8834	chr17	7148855	7149825	277741	Intergenic	NM_001023572	zbtb24	9.194186459	5.50289937	3.691287089	3.35E-09
peak_2970	chr3	35913236	35913809	16177	intron (NM_001017817, intron 2 of 8)	NM_001017817	crlf3	7.893914743	4.202820007	3.691094737	1.82E-15
peak_15836	chr19	9162647	9163813	-4220	Intergenic	NM_200809	dpm3	8.894893073	5.204326894	3.690566179	3.36E-06
peak_20406	chr5	37431441	37432176	27676	intron (NM_001126477, intron 1 of 13)	NM_001126477	stard8	8.004025829	4.313467805	3.690558025	5.10E-05
peak_10319	chr3	58483431	58483908	-3263	Intergenic	NM_213296	timp2b	7.18430581	3.493847953	3.690457857	2.23E-08
peak_14066	chr11	38489244	38490010	-6325	exon (NM_001040385, exon 3 of 9)	NR_030659		6.981442197	3.291205104	3.690237093	8.93E-07
peak_12724	chr20	8840409	8840980	-243645	Intergenic	NM_001040685	dab1a	7.61920825	3.930197113	3.689011137	2.71E-07
peak_7054	chr13	19985403	19985935	-57228	Intergenic	NM_001002536	fam204a	7.577933577	3.88920512	3.688728458	1.93E-10
peak_11107	chr19	30462049	30462377	-48315	Intergenic	NM_194392	tpbgl	5.256113835	1.567723154	3.68839068	5.52E-08
peak_1263	chr9	994445	995748	-41997	Intergenic	NM_001110451	stk24a	9.954366486	6.266693286	3.6876732	9.52E-21
peak_7181	chr3	24199320	24199882	139425	Intergenic	NM_131115	hoxb1a	9.176361333	5.488830342	3.687530991	2.44E-10
peak_8860	chr20	5110764	5111216	-4848	Intergenic	NM_001163779	ccnk	5.824078691	2.137124189	3.686954502	3.45E-09
peak_13166	chr21	39976855	39977598	-48661	Intergenic	NM_131276	msxd	8.314598618	4.628124042	3.686474576	4.12E-07
peak_5046	chr6	18647624	18648431	-10722	intron (NM_001007769, intron 2 of 5)	NM_200384	mif4gda	8.579019612	4.892571326	3.686448286	2.50E-12
peak_5904	chr1	15074708	15075221	61311	Intergenic	NM_001037103	fgf20a	6.553854025	2.867495871	3.686358154	1.90E-11
peak_13240	chr18	41356149	41356436	32130	intron (NM_001167569, intron 2 of 5)	NM_001167569	pvrl1b	6.112871299	2.426527409	3.68634389	4.35E-07
peak_11700	chr5	13379629	13379971	-65802	exon (NM_001144041, exon 20 of 20)	NM_131660	nos1	6.076750336	2.390785536	3.685964799	9.79E-08
peak_15730	chr12	38892352	38892878	-55100	Intergenic	NM_001040355	pmp22b	7.188993133	3.505479812	3.683513321	3.11E-06
peak_15051	chr7	22644455	22644865	203041	Intergenic	NM_001017564	zgc:113025	6.444004846	2.760518657	3.683486189	1.88E-06
peak_13783	chr4	4552788	4553734	71969	Intergenic	NM_001080651	creb3l2	8.77405315	5.090963628	3.683089523	6.97E-07
peak_16787	chr25	13348861	13349499	-30669	Intergenic	NM_001122702	LOC569861	7.163401335	3.480543093	3.682858242	6.28E-06
peak_8466	chr3	37950614	37951125	131819	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	7.552573219	3.87010585	3.68246737	2.01E-09
peak_4993	chr11	4094892	4095504	-9149	Intergenic	NM_201012	nek4	7.341879665	3.659626513	3.682253152	2.21E-12
peak_10304	chr14	48789263	48789830	113215	intron (NM_001004573, intron 4 of 9)	NM_001004573	macrod1	8.114692161	4.432605833	3.682086328	2.20E-08
peak_9335	chr3	1391537	1391826	-1477	intron (NM_001258319_1, intron 5 of 10)	NM_001258319	dicp1.1	5.455102635	1.773207505	3.681895131	6.67E-09
peak_17392	chr18	41563327	41563846	149235	Intergenic	NM_001167569_1	pvrl1b	7.634687965	3.9531192	3.681568765	9.08E-06
peak_9627	chr8	34019992	34020290	-17422	Intergenic	NM_001122711	LOC100004439	6.210737848	2.529901763	3.680836088	9.90E-09
peak_12186	chr23	35458341	35458709	-10160	Intergenic	NM_200133	cmtr1	6.023868553	2.343290681	3.680577871	1.60E-07
peak_17020	chr18	22804442	22805822	30308	intron (NM_199209, intron 3 of 5)	NM_199209	cbfb	8.339517913	4.659410412	3.6801075	7.11E-06
peak_6343	chr11	29167502	29167741	72640	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	5.860170902	2.180422899	3.679748003	4.95E-11
peak_2862	chr2	53783906	53784646	229989	Intergenic	NM_001002071	sirt6	8.165155096	4.485420672	3.679734424	1.07E-15
peak_8995	chr17	25224730	25225038	-714	promoter-TSS (NM_001040328)	NM_001040328	lck	5.053378088	1.373698566	3.679679523	4.20E-09
peak_9941	chr8	49910157	49910516	49449	Intergenic	NM_001257149	kank3	5.825630178	2.146443621	3.679186557	1.47E-08
peak_13227	chr6	9746357	9747045	71889	intron (NM_001080085, intron 2 of 9)	NM_001080085	palm3	4.557867589	0.87932337	3.678544219	4.30E-07
peak_15470	chr5	36953277	36953726	-63142	Intergenic	NM_001128367	ptger4b	7.169999104	3.492074486	3.677924617	2.55E-06
peak_20261	chr12	38601039	38601501	91443	Intergenic	NM_001080568	hs3st3b1b	7.009436165	3.331655844	3.677780321	4.74E-05
peak_5512	chr10	14507621	14508045	44836	Intergenic	NM_001037414	katnal2	7.242351412	3.564731909	3.677619504	7.87E-12
peak_8814	chr21	39273697	39274082	20355	intron (NM_001135103, intron 2 of 16)	NM_001135103	ssh2b	6.623451304	2.946771173	3.676680131	3.23E-09
peak_4504	chr24	4345002	4345737	-118777	Intergenic	NM_201461	klf6a	8.246649702	4.570233469	3.676416232	5.49E-13
peak_14468	chr14	235292	235667	-8927	Intergenic	NM_001080593	hs3st1	6.573445623	2.89749406	3.675951563	1.23E-06
peak_12300	chr16	8668254	8668581	-5645	Intergenic	NM_199515	prdm1a	5.899482471	2.223641638	3.675840833	1.79E-07
peak_13686	chr17	52872376	52872870	177656	Intergenic	NM_001128292	prox2	6.78624054	3.111416281	3.674824259	6.50E-07
peak_15237	chr21	21031585	21032214	35120	exon (NM_212752, exon 15 of 16)	NM_001080681	elmod1	7.880141792	4.205717037	3.674424755	2.16E-06
peak_8209	chr22	17657863	17658152	25682	Intergenic	NM_001128684	si:ch211-197g15.	5.988944759	2.315098605	3.673846154	1.36E-09
peak_7615	chr20	38460555	38461015	-22008	Intergenic	NM_001002728	adck3	7.538778315	3.864980482	3.673797832	5.24E-10
peak_10722	chr9	48585500	48586174	296081	Intergenic	NM_001003480	zgc:92380	7.633359791	3.959746866	3.673612925	3.54E-08
peak_12223	chr19	44957489	44957871	13359	intron (NM_001045090, intron 1 of 4)	NM_001045090	si:ch211-199g17.	6.50567902	2.832394392	3.673284629	1.67E-07
peak_18757	chr10	773511	774038	-96332	Intergenic	NM_001080607	glis3	7.118270963	3.446130477	3.672140486	2.06E-05
peak_6066	chr22	41047943	41049105	40668	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	9.306858022	5.63476754	3.672090482	2.79E-11
peak_4333	chr16	3687813	3688304	33475	Intergenic	NM_001076754	zgc:152945	8.614094914	4.942943831	3.671151083	3.02E-13
peak_9924	chr19	27877048	27877489	3928	intron (NM_001079971, intron 1 of 3)	NM_001079971	mgat1b	7.320945828	3.649795237	3.671150591	1.45E-08
peak_7590	chr1	52272087	52272389	-43778	Intergenic	NM_213556	junba	6.513669684	2.843017649	3.670652035	5.02E-10
peak_4372	chr3	59344831	59345316	21011	Intergenic	NM_001122620	zgc:171489	7.218435173	3.548452044	3.669983129	3.48E-13
peak_10447	chr20	52312620	52313455	141230	Intergenic	NM_001045274	taf1a	8.301459214	4.631527835	3.669931379	2.56E-08
peak_4277	chr3	21457982	21458698	19529	Intergenic	NM_001077456	zgc:153968	9.507165538	5.837351562	3.669813976	2.55E-13
peak_15915	chr2	22765963	22766390	-42922	Intergenic	NM_131213	rnf2	7.203569884	3.533779339	3.669790545	3.54E-06
peak_3701	chr4	10823624	10824309	-8405	Intergenic	NM_001045016	podxl	9.33699053	5.667233479	3.669757051	3.34E-14
peak_4981	chr9	56234906	56235626	37088	Intergenic	NM_001130697	tmsb4x	8.808520805	5.139081849	3.669438956	2.12E-12
peak_14126	chr21	29192637	29192969	19165	intron (NM_001077287, intron 1 of 18)	NM_001077287	afap1l1b	3.889089251	0.219835396	3.669253855	9.34E-07
peak_1568	chr21	3209077	3209862	-9528	Intergenic	NM_213302	hnrnpabb	8.973758669	5.304761214	3.668997455	2.13E-19
peak_919	chr5	55614170	55615657	178753	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	11.2999212	7.631874718	3.668046484	6.88E-23
peak_7357	chr10	39048836	39049273	215593	intron (NM_212796, intron 7 of 16)	NM_212796	msi2a	6.746359665	3.078663315	3.66769635	3.37E-10
peak_15371	chr7	21257488	21257872	3248	intron (NM_001080579, intron 2 of 23)	NM_001080579	acap1	5.823302322	2.155703238	3.667599084	2.36E-06
peak_11197	chr17	22963870	22964467	-12635	Intergenic	NM_001110464	rasgrp3	8.206707538	4.53957758	3.667129958	5.99E-08
peak_1301	chr6	11633073	11634042	-38173	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	9.990012267	6.32403374	3.665978528	1.35E-20
peak_3182	chr4	27616587	27617014	47173	Intergenic	NM_001020599	trmu	7.380616398	3.714663689	3.665952708	4.01E-15
peak_12471	chr17	42540228	42540580	127579	Intergenic	NM_200127	mocs3	6.812734601	3.146944721	3.66578988	2.13E-07
peak_5602	chr18	4984163	4984769	1066	TTS (NM_212779)	NM_212779		8.390816689	4.725364339	3.66545235	9.92E-12

peak_5683	chr14	43706034	43706350	285775	Intergenic	NM_001030213	afap1l1a	6.285507539	2.620582971	3.664924568	1.17E-11
peak_13917	chr7	32258404	32258827	1904	exon (NM_001172419, exon 7 of 9)	NM_001172419	LOC570613	5.961957897	2.297460938	3.66449696	7.81E-07
peak_9847	chr19	16263917	16264300	378634	Intergenic	NM_001040375	stmn1a	6.356071335	2.691613311	3.664458024	1.31E-08
peak_12121	chr20	47081891	47082274	-22215	Intergenic	NM_001128678	esrrgb	6.20626096	2.54248583	3.66377513	1.51E-07
peak_12584	chr6	12789130	12789500	22759	exon (NM_201587, exon 14 of 17)	NM_201587	ical1	7.255546812	3.591928874	3.663617938	2.35E-07
peak_1431	chr13	47828223	47828893	33785	intron (NM_001135791, intron 3 of 3)	NM_001135791	bcl2l11	9.248309403	5.584970793	3.66333861	5.53E-20
peak_5144	chr25	2907679	2908285	93051	Intergenic	NM_213305	scamp2	8.535617489	4.873926028	3.661691461	3.32E-12
peak_1799	chr20	9663375	9663958	10563	exon (NM_213412, exon 6 of 11)	NM_213412	rad51b	9.755468937	6.094064214	3.661404723	1.25E-18
peak_16020	chr17	35356034	35356709	49074	intron (NM_001045207, intron 9 of 27)	NM_001037409	itgb1bp1	8.257344217	4.596033868	3.661310349	3.82E-06
peak_11857	chr3	60358121	60358615	29524	exon (NM_205564, exon 5 of 5)	NM_205564	cdr2l	4.734591559	1.07379276	3.6607988	1.16E-07
peak_13220	chr12	21016044	21016384	-39105	intron (NM_001007413, intron 3 of 3)	NM_199785	ercc4	6.299285064	2.639021172	3.660263892	4.29E-07
peak_12594	chr17	50404833	50405222	104509	Intergenic	NM_001032728	cox7a2a	6.801926352	3.141910594	3.660015758	2.37E-07
peak_6102	chr25	38350169	38350901	-53877	Intergenic	NM_199979	slc1a2b	9.031537309	5.372073974	3.659463335	3.05E-11
peak_18981	chr13	4885870	4886739	-145174	Intergenic	NM_001039639	abcg2c	7.529981478	3.870639125	3.659342352	2.35E-05
peak_8280	chr1	53072245	53072547	59557	Intergenic	NM_001256635	tacr3l	5.781828232	2.122974249	3.658853983	1.54E-09
peak_4715	chr1	2064777	2065430	47870	Intergenic	NM_001145604	kpnb3	8.770527473	5.112311267	3.658216206	9.81E-13
peak_7991	chr17	14408061	14408703	-81775	Intergenic	NM_200482	jkamp	8.493691769	4.835633066	3.658058704	9.44E-10
peak_12648	chr18	30658968	30659594	-132159	Intergenic	NM_001080186	foxf1	6.787423614	3.129371542	3.658052071	2.50E-07
peak_16319	chr2	10282130	10282517	-40226	Intergenic	NM_213090	scinlb	6.687726337	3.029752972	3.657973365	4.64E-06
peak_19588	chr2	8731071	8731824	112601	intron (NM_001100084, intron 6 of 13)	NM_001100084	LOC100003595	6.320686838	2.663703566	3.656983272	3.26E-05
peak_10701	chr16	856729	857158	36293	Intergenic	NM_207185	irx1a	6.831842011	3.175384957	3.656457054	3.46E-08
peak_20481	chr7	37826374	37827314	32082	Intergenic	NM_200105	aktip	7.806168021	4.149764687	3.656403334	5.24E-05
peak_12100	chr11	32395812	32396171	12709	intron (NM_001002595, intron 1 of 4)	NM_001002595	egln1b	6.116380013	2.460091226	3.656288787	1.47E-07
peak_24249	chr25	27177955	27186167	-216763	Intergenic	NM_001045461	zgc:153383	3.875584362	0.219835396	3.655748966	0.000287
peak_15496	chr23	3509466	3510019	15552	Intergenic	NM_001001828	rnf114	6.807063293	3.151848441	3.655214852	2.61E-06
peak_15641	chr24	3449746	3449974	-29475	Intergenic	NM_001033726	zgc:113390	6.144366862	2.489198756	3.655168106	2.89E-06
peak_19900	chr12	9422569	9423281	98983	Intergenic	NM_001002613	nrbf2b	7.816279061	4.161164422	3.655114639	3.88E-05
peak_10867	chr12	31762606	31763181	77477	intron (NM_001014363, intron 9 of 10)	NM_001014363	ablim1b	7.850655209	4.1960226	3.654632609	4.24E-08
peak_10081	chr5	75602581	75603163	17523	Intergenic	NM_200686	mtfp1	8.548869265	4.894689024	3.654180241	1.70E-08
peak_4214	chr17	39409666	39410483	1	promoter-TSS (NM_001114717_1)	NM_001114717_1		8.011738034	4.357631857	3.654106177	2.07E-13
peak_16491	chr13	50090661	50090993	32338	intron (NM_001142263, intron 4 of 13)	NM_001142263	disc1	5.97252096	2.318779611	3.653741349	5.22E-06
peak_19890	chr22	37281182	37281929	183381	Intergenic	NM_001202416	terf2ip	7.543028503	3.889345658	3.653682845	3.85E-05
peak_7783	chr15	13776786	13777215	-45142	Intergenic	NM_001030204	dpf1	7.858951328	4.205457786	3.653493542	6.77E-10
peak_12794	chr17	25074565	25075019	41604	Intergenic	NM_201296	pabpc4	6.598658493	2.945223119	3.653435374	2.88E-07
peak_16324	chr7	60981613	60982498	109300	intron (NM_131550, intron 17 of 20)	NM_200097	brms1	8.867986452	5.21628206	3.651704392	4.66E-06
peak_8777	chr1	48453524	48453819	124945	intron (NM_001077556, intron 15 of 17)	NM_001077556	ccdc147	5.783449089	2.132584471	3.650864618	3.04E-09
peak_3966	chr24	43414650	43416087	4601	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	10.04266945	6.392144741	3.650524705	9.46E-14
peak_7833	chr20	48314259	48314811	69922	Intergenic	NM_001024665	tfap2b	7.759436004	4.109327665	3.650108338	7.32E-10
peak_14735	chr5	41893540	41893922	23698	Intergenic	NM_001100006	snx18a	6.637911999	2.988713143	3.649198856	1.50E-06
peak_882	chr10	32810816	32811731	47224	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	10.74344394	7.094877856	3.648566083	3.79E-23
peak_11941	chr23	8781205	8781604	-4707	Intergenic	NM_001130639	rgs19	6.475055113	2.826759791	3.648295322	1.28E-07
peak_19981	chr21	40321562	40321995	13666	intron (NM_001030122, intron 1 of 8)	NM_001030122	ppp2r2bb	6.364116395	2.716259194	3.6478572	4.07E-05
peak_11454	chr15	3102207	3102481	-47658	Intergenic	NM_001045369	zgc:153184	5.254386895	1.606593419	3.647793476	7.84E-08
peak_18006	chr23	13814816	13815157	98778	Intergenic	NR_030650		6.140925638	2.493469792	3.647455846	1.37E-05
peak_18195	chr24	27975720	27976697	107925	Intergenic	NM_001077562	larp4b	8.589072305	4.942103637	3.646968668	1.52E-05
peak_4950	chr21	22516501	22517317	68580	intron (NM_199635, intron 3 of 4)	NM_199635	zbtb16a	8.331398388	4.68444513	3.646953258	1.93E-12
peak_3411	chr10	7939490	7940620	-58650	Intergenic	NM_201085	hmgcs1	9.61748397	5.970633312	3.646850658	1.08E-14
peak_12048	chr2	36103157	36103697	117781	Intergenic	NM_001199372_1	LOC100331689	6.537825223	2.891051843	3.64677338	1.40E-07
peak_7401	chr1	40107836	40108166	113984	intron (NM_130968, intron 17 of 28)	NM_001017639	dctd	5.665514359	2.018835402	3.646678957	3.66E-10
peak_7814	chr18	4917377	4918701	5279	Intergenic	NM_001198748	zgc:153317	9.079482874	5.432913966	3.646568908	7.15E-10
peak_14540	chr3	32866681	32867040	-19809	Intergenic	NM_199809	hsd3b7	5.723815645	2.077505579	3.646310066	1.29E-06
peak_12043	chr1	5236850	5237760	120287	Intergenic	NM_001020643	klf7a	8.419685356	4.773821903	3.645863452	1.39E-07
peak_10337	chr21	24131342	24131684	-131173	Intergenic	NM_001082863	jam3b	6.144384994	2.498613901	3.645771093	2.26E-08
peak_5114	chr23	38669118	38669648	-376685	Intergenic	NM_001080609	sall4	8.411231104	4.765735048	3.645496056	3.03E-12
peak_8239	chr7	65466744	65466976	103231	Intergenic	NM_200380	chmp5b	5.535680191	1.890376193	3.645303998	1.42E-09
peak_14434	chr11	24997538	24998081	3426	exon (NM_212869, exon 4 of 4)	NM_212869	trib3	6.837428146	3.192156681	3.645271465	1.20E-06
peak_13776	chr12	30133689	30134114	-163449	Intergenic	NM_001170599	tbx21	6.9516722	3.306791294	3.644880905	6.95E-07
peak_16979	chr25	2548607	2549056	-59277	Intergenic	NM_001077466	bbs4	6.718385174	3.073659526	3.644725648	6.95E-06
peak_12069	chr24	1469537	1469912	10532	Intergenic	NM_001113644_4	zgc:172101	6.657696229	3.013573968	3.644122261	1.43E-07
peak_4003	chr11	40740607	40741129	-304306	Intergenic	NM_001040387	wnt4a	6.715446952	3.071719166	3.643727786	1.06E-13
peak_3896	chr20	33723516	33724399	5404	intron (NM_001093747, intron 1 of 30)	NM_001093747	rock2b	8.875459929	5.231877246	3.643582683	7.22E-14
peak_8815	chr23	25725062	25725683	146084	Intergenic	NM_212641	pa2g4b	9.508499606	5.865266379	3.643233227	3.24E-09
peak_12941	chr2	8202026	8202451	156656	Intergenic	NM_001007436	dia1a	6.741835475	3.098628983	3.643206492	3.30E-07
peak_11087	chr15	38042288	38042678	171170	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	5.93519636	2.292054387	3.643141972	5.40E-08
peak_8254	chr3	32731576	32732277	1444	intron (NM_001082807, intron 1 of 7)	NM_001082807	tspan4b	8.021093054	4.378400512	3.642692542	1.47E-09
peak_24692	chr24	6956761	6957284	478295	Intergenic	NM_001089556	actr3b	7.814792342	4.172355576	3.642436766	0.000344
peak_8715	chr10	23452353	23452702	-93463	Intergenic	NM_001020582	nle1	5.779428557	2.137124189	3.642304368	2.82E-09
peak_17571	chr15	25066858	25067311	51233	Intergenic	NM_001002314	hic1	7.476166853	3.834017602	3.642149251	1.03E-05
peak_18049	chr11	35097126	35097564	54964	Intergenic	NM_001045355	tmem44	5.871481211	2.229879429	3.641601781	1.40E-05
peak_9975	chr7	28853082	28853423	-41363	Intergenic	NM_001002471	calca	5.755545454	2.114361168	3.641184286	1.52E-08
peak_24100	chr1	14911662	14913662	-3798	intron (NM_001020560, intron 2 of 5)	NM_001020560_1	tusc3	3.860615567	0.219835396	3.640780172	0.000269
peak_14751	chr14	37090015	37090696	22717	Intergenic	NM_001005983	tmem144b	7.076922693	3.436410817	3.640511875	1.51E-06
peak_13222	chr8	26253561	26253885	21406	intron (NM_001114907, intron 3 of 6)	NM_001114907	kcnq2a	5.547508126	1.907116997	3.640391128	4.29E-07
peak_14807	chr6	11780238	11781221	-57669	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	9.13655036	5.496226928	3.640323432	1.58E-06
peak_5792	chr8	42428760	42429178	-58025	Intergenic	NM_001075105_1	aplnra	7.444004846	3.804583371	3.639421475	1.49E-11
peak_24228	chr20	2647860	2648606	-23275	Intergenic	NM_001123305	zgc:101562	7.292998183	3.653820484	3.639177699	0.000284
peak_10860	chr9	45470092	45470538	-26982	Intergenic	NM_001002538	ppp1r1c	7.307929697	3.668850612	3.639079085	4.18E-08
peak_5842	chr16	12756466	12756960	-189563	Intergenic	NM_131390	gsk3ab	6.414077435	2.775079099	3.638998335	1.65E-11
peak_7632	chr2	31376518	31376755	25494	Intergenic	NM_001197300	e2f5	5.68278771	2.043791186	3.638996524	5.40E-10
peak_20483	chr6	22814689	22815068	34615	exon (NM_001007109, exon 7 of 38)	NM_001007109	speg	6.404476188	2.766967388	3.6375088	5.25E-05
peak_8258	chr1	36593732	36593988	-113598	intron (NM_001045250, intron 19 of 22)	NM_001130767	prmt9	5.834926691	2.198188036	3.636738655	1.48E-09
peak_12563	chr25	34047872	34048618	-45906	Intergenic	NR_030102		7.93268423	4.295972819	3.636711411	2.32E-07
peak_10305	chr7	42245126	42245467	9421	intron (NM_199843, intron 8 of 12)	NM_199843	shcbp1	5.85408011	2.217376759	3.636703351	2.20E-08
peak_7825	chr12	23202845	23203307	163367	Intergenic	NM_001020680	mrpl27	7.285656678	3.649145074	3.636511604	7.27E-10
peak_10927	chr19	14717873	14718292	-4068	Intergenic	NM_001045185	edn2	8.323503453	4.687363312	3.636140141	4.52E-08
peak_13810	chr18	49458746	49459474	31572	Intergenic	NM_001080621	zgc:158464	8.950653138	5.314814126	3.635839012	7.12E-07
peak_11328	chr3	20656324	20656725	50621	intron (NM_201130, intron 6 of 8)	NM_201130	spop	4.709552494	1.07379276	3.635759735	6.86E-08
peak_15778	chr23	32107187	32107935	44245	Intergenic	NM_001077285	zgc:153910	7.514999507	3.879641497	3.63535801	3.24E-06
peak_2614	chr24	41333154	41333680	-59391	Intergenic	NM_001045408_1	zgc:153659	9.451697376	5.816826862	3.634870514	2.83E-16
peak_10006	chr10	4274443	4274957	59277	Intergenic	NR_029954		7.569944883	3.935903229	3.634041654	1.58E-08
peak_12254	chr17	9291262	9291687	-469689	Intergenic	NM_001077768	zranb1b	7.154305899	3.520327498	3.633978401	1.72E-07
peak_8751	chr13	45659207	45659578	-17505	intron (NM_199715, intron 5 of 6)	NM_130925	khdrbs1a	6.094271022	2.460664563	3.633606458	2.95E-09
peak_1569	chr3	2124385	2125145	2635	TTS (NM_200552)	NM_200552	zgc:65811	9.13956192	5.506018748	3.633543173	2.13E-19
peak_2444	chr8	17204935	17205893	9120	intron (NM_001113652, intron 10 of 12)	NM_001113652	si:ch211-198n5.1	8.394822048	4.762045575	3.632776473	1.15E-16
peak_12827	chr1	46257877	46258400	-35435	Intergenic	NM_001089578	si:ch211-214c7.5	8.521190517	4.88845701	3.632733506	2.97E-07
peak_14633	chr22	1944929	1945283	-5360	Intergenic	NM_001114420	zgc:174919	6.090062722	2.45736504	3.632697682	1.39E-06
peak_17615	chr3	43847503	43848290	-151303	Intergenic	NM_001002529	psmg3	8.978391639	5.34606543	3.632326209	1.07E-05
peak_8504	chr4	12527587	12528033	10849	Intergenic	NM_001044833	dyrk2	6.936643363	3.304360187	3.632283176	2.12E-09
peak_12545	chr16	17779294	17779726	-11740	Intergenic	NM_153650	has2	6.438930692	2.806669929	3.632260762	2.28E-07
peak_8425	chr7	26351816	26352210	49183	intron (NM_001076730, intron 7 of 21)	NM_001076730	exoc6b	6.446008925	2.813853615	3.632155309	1.90E-09
peak_5465	chr13	40039717	40040434	11232	Intergenic	NM_001202417	marveld1	10.05676601	6.425751572	3.631014435	7.09E-12
peak_11679	chr1	19982649	19983463	86972	Intergenic	NM_001102391	npy1r	8.418143622	4.788378222	3.6297654	9.65E-08
peak_15866	chr9	954325	954610	-17900	Intergenic	NM_001256639	sctr	5.858656139	2.229879429	3.62877671	3.43E-06
peak_14527	chr25	13418600	13419265	-100421	Intergenic	NM_001122702	LOC569861	3.848367416	0.219835396	3.62853202	1.28E-06
peak_14526	chr21	5620362	5620901	11785	intron (NM_001017573, intron 2 of 9)	NM_001017573	psmd5	3.848367416	0.219835396	3.62853202	1.28E-06

peak_6644	chr12	18057726	18058107	-77	promoter-TSS (NM_001190465)	NM_001190465	ifit5	6.104888788	2.476784464	3.628104324	8.91E-11
peak_11467	chr9	12823646	12824167	27895	intron (NM_001114558, intron 2 of 15)	NM_001114558	igf2bp2a	5.972850631	2.344877724	3.627972907	7.96E-08
peak_10275	chr24	28573256	28573604	154689	exon (NM_131095, exon 14 of 17)	NM_131095	ek1	6.878829241	3.250995313	3.627833928	2.14E-08
peak_13833	chr17	30856431	30856819	-46391	intron (NM_001130785, intron 4 of 6)	NM_001128798	tpp1	6.59570635	2.968289066	3.627417285	7.29E-07
peak_10883	chr13	17986494	17987229	5247	intron (NM_001161435, intron 1 of 5)	NM_001161435	Mar-08	8.340795061	4.713450603	3.627344458	4.35E-08
peak_13447	chr11	46501363	46501719	-33189	Intergenic	NM_001017575	aspscr1	6.79659637	3.170018417	3.626577953	5.31E-07
peak_5632	chr14	52647412	52648026	15475	exon (NM_001110028, exon 8 of 12)	NM_001110028	zgc:171797	8.637639234	5.011402589	3.626236646	1.05E-11
peak_10746	chr9	54670146	54670792	75251	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	7.328923109	3.702931502	3.625991607	3.64E-08
peak_2999	chr16	1210928	1211630	318739	Intergenic	NM_178222	sim1a	8.074957699	4.449051378	3.625906321	2.01E-15
peak_9127	chr12	18042778	18043366	8404	exon (NM_001145814, exon 5 of 7)	NM_001145814	slc16a12b	7.328931087	3.703345224	3.625585863	4.99E-09
peak_14672	chr1	18777093	18777354	34608	Intergenic	NM_207071	mettl14	3.84531137	0.219835396	3.625475975	1.42E-06
peak_19951	chr14	8067267	8067674	-16795	Intergenic	NM_001002626	zgc:92242	7.50737878	3.882625987	3.624752793	3.99E-05
peak_11049	chr7	22545369	22545684	103907	Intergenic	NM_001017564	zgc:113025	6.002745612	2.378922404	3.623823208	5.18E-08
peak_15971	chr8	28098816	28099177	184317	Intergenic	NM_001130795	si:ch211-254n4.3	5.993783045	2.370303241	3.623479804	3.70E-06
peak_13734	chr18	11972562	11972848	88580	intron (NM_001099985, intron 1 of 13)	NM_001099985	hipk2	6.53806183	2.914642815	3.623419015	6.71E-07
peak_7804	chr2	48356989	48357406	12775	exon (NM_001030161, exon 5 of 30)	NM_001030161	gigfy2	6.156165804	2.532888725	3.623277079	6.98E-10
peak_9545	chr7	43992775	43993077	-51562	intron (NM_001007175, intron 36 of 39)	NM_001017713_1	idh3g	5.318727995	1.6959635	3.622764495	8.89E-09
peak_18610	chr14	1191972	1193244	16478	intron (NM_212882, intron 1 of 12)	NM_198209	hopx	8.443499706	4.820879795	3.622619911	1.89E-05
peak_14534	chr25	38460424	38461017	4689	intron (NM_001040635, intron 12 of 31)	NM_001040635	fanca	4.268781826	0.646338197	3.622443628	1.29E-06
peak_15031	chr21	42450832	42452326	52693	intron (NM_001017741, intron 16 of 17)	NM_001017741	camk2a	3.842248838	0.219835396	3.622413442	1.86E-06
peak_13615	chr7	56227240	56227613	20501	exon (NM_131820, exon 16 of 16)	NM_131820	cdh1	6.448809552	2.826698188	3.622111363	6.12E-07
peak_14368	chr10	7396924	7397270	-28027	Intergenic	NM_001002346	hvcn1	6.380352505	2.758362659	3.621989847	1.12E-06
peak_6657	chr3	58185885	58186248	53781	Intergenic	NM_199950	socs3a	5.941670391	2.31988507	3.621785321	9.09E-11
peak_12128	chr3	24003748	24004101	4983	intron (NM_131117, intron 1 of 4)	NM_131101	hoxb5a	6.146540944	2.524806267	3.621734676	1.52E-07
peak_12196	chr9	52898644	52898994	14832	exon (NM_001076600, exon 4 of 6)	NM_001076600	tank	7.233458137	3.612802207	3.62065593	1.63E-07
peak_11868	chr19	34074918	34075127	11364	intron (NM_200723, intron 1 of 4)	NM_200723	hpca	5.226989601	1.606593419	3.620396182	1.18E-07
peak_15444	chr13	2832465	2832825	11830	intron (NM_001161598, intron 1 of 6)	NM_001161598	si:ch211-239i4.3	5.775821542	2.155703238	3.620118304	2.51E-06
peak_15445	chr13	37611750	37612122	-58583	Intergenic	NM_001166338	gphb5	5.775821542	2.155703238	3.620118304	2.51E-06
peak_7416	chr10	17446070	17446472	-37312	exon (NM_001015068, exon 4 of 10)	NR_030078		5.978461015	2.359140504	3.619320511	3.74E-10
peak_8421	chr17	42512533	42513007	-118478	Intergenic	NM_130949	foxa2	7.137953675	3.518712569	3.619241106	1.90E-09
peak_5631	chr14	49639066	49640026	-87503	intron (NM_131314, intron 5 of 8)	NM_001115143	prom1a	9.687447275	6.068359061	3.619088214	1.05E-11
peak_7067	chr19	8359173	8359752	1769	intron (NM_001082986, intron 1 of 9)	NM_001082986	tuft1b	7.073172357	3.454290691	3.618881667	1.97E-10
peak_9060	chr20	44673997	44674482	-7692	intron (NM_200812, intron 2 of 3)	NM_001099226	mut	7.31321684	3.694357514	3.618859326	4.60E-09
peak_15817	chr22	17138589	17139812	80247	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	9.140577363	5.521721942	3.618855421	3.30E-06
peak_8414	chr12	37816202	37816531	100755	Intergenic	NM_001110465	dnai2a	6.112235804	2.493406493	3.618829311	1.88E-09
peak_20148	chr21	12921263	12921709	-27270	Intergenic	NM_001172564	ehmt1b	6.334935415	2.716259194	3.618676221	4.47E-05
peak_20956	chr20	9416196	9416510	14847	3' UTR (NM_200633, exon 5 of 5)	NM_200633	kcnk5b	6.434347161	2.81595363	3.618393532	6.55E-05
peak_12167	chr24	16431404	16432046	-316080	Intergenic	NM_001033596	mrps7	6.765314962	3.14703106	3.618283901	1.58E-07
peak_20563	chr5	24937593	24938018	9029	3' UTR (NM_001005586, exon 7 of 7)	NM_001005586	plp1b	6.385110543	2.766967388	3.618143155	5.50E-05
peak_4518	chr3	12164169	12164646	45284	intron (NM_001076623, intron 4 of 10)	NM_001076623	prkar1b	8.25921952	4.641108949	3.618110571	5.60E-13
peak_4723	chr19	23747632	23748278	-11888	Intergenic	NM_001004287	grb10a	8.900024103	5.282510336	3.617513767	1.00E-12
peak_20961	chr7	65428844	65430298	70038	Intergenic	NM_001017616	lypla1	6.796002932	3.179321309	3.616681623	6.56E-05
peak_13921	chr14	20481525	20482836	-401427	Intergenic	NM_001037372	ptcd3	9.117994007	5.501605447	3.61638856	7.83E-07
peak_9853	chr18	47441881	47442161	26761	intron (NM_001083029, intron 9 of 11)	NM_001003854	st3gal4	5.785044865	2.168709871	3.616334994	1.32E-08
peak_5575	chr5	50032036	50032868	10484	intron (NM_001130962, intron 1 of 8)	NM_001130962	mef2cb	9.347343932	5.731020791	3.616323141	9.30E-12
peak_1702	chr14	27589739	27590903	-44726	Intergenic	NM_182862	tgfbi	10.91134082	7.295318192	3.616022627	5.99E-19
peak_14990	chr1	7561430	7561700	-23272	Intergenic	NM_001077387	alkbh5	5.980571993	2.364854808	3.615717185	1.78E-06
peak_7287	chr3	6956802	6957749	11702	intron (NM_001003422, intron 2 of 3)	NM_001003422	sumo2b	8.151820787	4.536577936	3.615242851	3.00E-10
peak_14638	chr8	7680771	7681069	-32795	Intergenic	NM_001126386	LOC556480	5.565288806	1.950187435	3.615101371	1.39E-06
peak_19789	chr23	21924546	21925050	-7608	Intergenic	NM_001110473	igsf21b	6.277860925	2.663703566	3.614157359	3.63E-05
peak_2117	chr9	45428799	45429801	-67997	Intergenic	NM_001002538	ppp1r1c	8.201849164	4.587943441	3.613905723	1.32E-17
peak_12831	chr21	19004424	19004877	-56257	Intergenic	NM_201171	dusp4	6.701547607	3.088366852	3.613180755	2.98E-07
peak_15390	chr19	24761255	24761568	-8416	Intergenic	NM_001080161	s100v2	5.721734095	2.10908919	3.612644905	2.40E-06
peak_5339	chr4	57826194	57826996	-266078	Intergenic	NM_001030146_1	si:ch211-238e22.	7.955048131	4.342792784	3.612255347	5.18E-12
peak_1099	chr13	44056016	44056923	27009	Intergenic	NM_001077794	dact2	10.74011028	7.128554876	3.611555405	1.04E-21
peak_12031	chr8	29028286	29029150	83991	intron (NM_199802, intron 2 of 6)	NM_001123323	ddx20	8.460043326	4.849346593	3.610696732	1.38E-07
peak_18382	chr20	8022861	8023322	261024	Intergenic	NM_001244756	bloc1s2	7.36211323	3.751477322	3.610635907	1.68E-05
peak_3862	chr20	18483032	18483695	-29109	intron (NM_001045125, intron 29 of 35)	NM_001001836	vipas39	7.214887664	3.604335813	3.610551851	6.54E-14
peak_9190	chr3	14165100	14165323	23616	Intergenic	NM_001043334	epor	5.36599906	1.755451209	3.610547851	5.43E-09
peak_5812	chr3	41687404	41687843	-22125	intron (NM_001013277, intron 2 of 3)	NM_001290093	eif3ba	8.20252103	4.592427629	3.610093401	1.55E-11
peak_4289	chr19	7134387	7134951	-126834	Intergenic	NM_131684	atp1a3a	7.487626387	3.87816893	3.609457457	2.62E-13
peak_3159	chr24	30718824	30720129	-286514	Intergenic	NM_001099258	lppr5b	10.34991573	6.740476599	3.609439131	3.68E-15
peak_23084	chr14	27813931	27815038	3391	intron (NM_001110457, intron 1 of 4)	NM_001110457	klhl4	9.334672965	5.725337713	3.609335252	0.000175
peak_4967	chr20	43326640	43327063	-83991	Intergenic	NM_001044916	unc93a	7.709873694	4.100761631	3.609112063	2.01E-12
peak_11443	chr13	19127002	19127322	-201747	Intergenic	NM_199820	eif3s10	5.099749972	1.490687863	3.609062109	7.76E-08
peak_10971	chr25	17182488	17183078	-27659	Intergenic	NM_001077789	zgc:154077	7.889460184	4.280646636	3.608813548	4.73E-08
peak_4147	chr9	37481654	37482128	494806	Intergenic	NM_001003649	ralba	7.983630617	4.374900061	3.608730557	1.66E-13
peak_13793	chr20	32556860	32557358	16465	intron (NM_001002588, intron 18 of 19)	NM_001002588	sec63	8.211475436	4.602783562	3.608691874	7.03E-07
peak_12527	chr9	39068892	39069207	5252	intron (NM_001171585, intron 1 of 20)	NM_001171585	adcy5	5.215166359	1.606593419	3.60857294	2.25E-07
peak_19551	chr15	38781818	38782034	-79502	Intergenic	NM_001039991	gpr55a	3.828386416	0.219835396	3.608551021	3.19E-05
peak_10607	chr15	11875348	11875774	-28314	Intergenic	NM_001089490	fkrp	4.987559406	1.379321355	3.608238051	3.10E-08
peak_12071	chr13	12995335	12995709	92527	Intergenic	NM_001045208	letm1	6.155204657	2.548300297	3.60690436	1.43E-07
peak_9809	chr3	61303603	61304069	19165	intron (NM_001020768, intron 2 of 2)	NM_001020768	ubald2	8.19389054	4.587444849	3.606445692	1.26E-08
peak_3458	chr7	7645495	7646228	62037	Intergenic	NM_001177454	zgc:175248	9.110475147	5.50468792	3.605787226	1.27E-14
peak_6614	chr4	17156290	17156632	113134	intron (NM_001100017, intron 9 of 25)	NM_001100017	anks1b	6.156147819	2.550487394	3.605660425	8.29E-11
peak_3440	chr22	36790709	36791463	548259	Intergenic	NM_001003610	nicn1	7.853140658	4.248856281	3.604284377	1.18E-14
peak_23166	chr8	13716576	13717594	-22598	Intergenic	NM_001130790	zgc:194990	8.16853016	4.564666803	3.603863357	0.000181
peak_15853	chr18	23373325	23373679	285563	Intergenic	NM_131183	nr2f2	5.857117657	2.253961521	3.603156135	3.40E-06
peak_13360	chr13	33859996	33860394	3330	exon (NM_001145555, exon 2 of 29)	NM_001145555	rrbp1a	5.755162184	2.152423153	3.602739032	4.94E-07
peak_11978	chr11	26311593	26311915	6018	Intergenic	NM_131842	mafbb	6.231419793	2.628724051	3.602695743	1.32E-07
peak_12997	chr9	2153119	2153533	141545	Intergenic	NM_199480	lnpa	6.699421313	3.096923689	3.602497624	3.51E-07
peak_23381	chr20	7967958	7968595	206209	Intergenic	NM_001244756	bloc1s2	7.528182107	3.926879323	3.601302784	0.000197
peak_16189	chr10	2473611	2473955	-135134	Intergenic	NM_001008630	nxnl2	5.831047278	2.229879429	3.601167849	4.26E-06
peak_11969	chr12	21789721	21789933	24770	intron (NM_001017592, intron 1 of 8)	NM_001017592	arhgap17a	5.206856367	1.606593419	3.600262948	1.31E-07
peak_8952	chr18	48119952	48120243	20246	Intergenic	NM_001007334	yif1b	5.725894197	2.125910487	3.59998371	3.93E-09
peak_18549	chr20	28742967	28743307	50828	intron (NM_001281792, intron 1 of 20)	NM_001281792	sipa1l1	6.0933053	2.493469792	3.599835508	1.83E-05
peak_16322	chr16	28949335	28949679	-22071	Intergenic	NM_001080576	esrp1	5.755138436	2.155703238	3.599435198	4.66E-06
peak_7373	chr12	15853464	15853949	28356	intron (NM_001098196, intron 7 of 7)	NM_001098196	pkmyt1	6.87450424	3.27594987	3.59855437	3.47E-10
peak_14228	chr15	36739109	36739595	25837	Intergenic	NM_001098263	si:ch73-380l3.2	6.612919391	3.014587393	3.598331998	1.00E-06
peak_17676	chr4	12887572	12887952	12205	intron (NM_001082923, intron 1 of 7)	NM_001082923	pdzrn4	6.532596183	2.934503649	3.598092534	1.11E-05
peak_16843	chr25	23625569	23626096	-13017	Intergenic	NM_001002364	mob2a	5.89835559	2.300427624	3.597927966	6.46E-06
peak_1564	chr8	3652445	3653651	-20078	Intergenic	NM_001017772	zgc:112433	10.35375456	6.756226109	3.597528452	2.05E-19
peak_9743	chr10	7520498	7520770	95510	Intergenic	NM_001002346	hvcn1	5.174885228	1.577539342	3.597345885	1.15E-08
peak_6727	chr12	14803129	14803602	31942	intron (NM_001200059, intron 17 of 26)	NM_131502	foxh1	8.459742054	4.862867436	3.596874618	1.05E-10
peak_19018	chr5	26463211	26463567	18321	exon (NM_001128530, exon 10 of 22)	NM_001128530	ap1b1	6.149021604	2.552474647	3.596546957	2.40E-05
peak_12800	chr15	19869995	19870242	7543	exon (NM_001008574, exon 4 of 12)	NM_001008574	usp2a	5.367597506	1.771592457	3.596005049	2.89E-07
peak_6402	chr10	9494435	9494946	5863	intron (NM_001024413, intron 4 of 4)	NM_001024413	morn5	6.779028222	3.183428085	3.595600137	5.54E-11
peak_14832	chr1	34152905	34154101	23819	intron (NM_207062, intron 1 of 5)	NM_207062	klf12a	8.683325744	5.087930571	3.595395173	1.61E-06
peak_24243	chr15	321500	322113	114906	Intergenic	NM_001042691	limk1a	6.826792699	3.231546658	3.595246041	0.000287
peak_11374	chr13	3037710	3038044	95696	Intergenic	NM_131567	prph2b	5.903160956	2.308115528	3.595045428	7.21E-08
peak_12959	chr18	20366312	20366642	18208	exon (NM_001044891, exon 7 of 7)	NM_001079826	bida	5.201488841	1.606593419	3.594895422	3.37E-07
peak_10843	chr2	43347315	43347872	41454	intron (NM_205735, intron 2 of 21)	NM_205735	pard3	7.158322191	3.563884432	3.59443776	4.06E-08
peak_5795	chr19	36002664	36003070	143133	intron (NM_001144043, intron 2 of 18)	NM_001144043	gabbr2	6.445771442	2.851588536	3.594182905	1.49E-11
peak_19698	chr23	22250543	22250985	116011	Intergenic	NM_001136488	phc2a	6.206243589	2.612105425	3.594138164	3.46E-05
peak_4893	chr7	49748778	49749194	3236	intron (NM_001080090, intron 3 of 4)	NM_001080090	oaz2b	7.652332099	4.05827378	3.594058319	1.69E-12

peak_15110	chr13	51614545	51614905	-7629	Intergenic	NM_001014817_1	dntt	6.772785334	3.178947475	3.593837859	1.96E-06
peak_9312	chr18	11352092	11352514	148181	Intergenic	NM_001013335	zgc:110789	7.92390809	4.330213014	3.593695076	6.51E-09
peak_15196	chr5	60785902	60786495	23928	Intergenic	NM_001020466	nup88	6.817638374	3.224592174	3.5930462	2.08E-06
peak_8797	chr15	22998144	22998490	1041	exon (NM_001105683, exon 4 of 6)	NM_001105683	ckmb	5.381407785	1.78859519	3.592812595	3.16E-09
peak_20567	chr23	5965613	5966155	-132613	Intergenic	NM_205567	csrp1a	7.670620281	4.078093476	3.592526805	5.52E-05
peak_9757	chr2	43332478	43332715	26457	intron (NM_205735, intron 1 of 21)	NM_205735	pard3	5.783026575	2.190637685	3.59238889	1.18E-08
peak_3777	chr3	55830494	55832247	13219	intron (NM_001002228, intron 1 of 17)	NM_001002228	rhbdf1	9.070577088	5.478251884	3.592325203	4.63E-14
peak_13561	chr15	34167994	34168392	30	promoter-TSS (NM_200676)	NM_200676	mgat1a	6.530457231	2.938504329	3.591952902	5.83E-07
peak_6073	chr8	35246208	35246729	10229	intron (NM_001002420, intron 1 of 26)	NM_001002420	gapvd1	8.861739608	5.269797937	3.591941672	2.84E-11
peak_9526	chr14	40211712	40212157	-26831	intron (NM_001104942, intron 11 of 11)	NR_045230_1		6.004801405	2.412885124	3.591916281	8.61E-09
peak_19712	chr18	46651474	46652338	31408	Intergenic	NM_001037706	smtla	10.04651073	6.454969489	3.591541239	3.49E-05
peak_12678	chr3	19197255	19197905	-7284	Intergenic	NM_001007316	s1pr5a	8.488055081	4.896631756	3.591423325	2.57E-07
peak_3602	chr13	43277440	43277883	22274	intron (NM_199479, intron 10 of 12)	NM_200659	mlh1	8.045068259	4.454666008	3.590402251	2.28E-14
peak_15620	chr6	45775865	45776303	30126	TTS (NM_001080051)	NM_198915	rbm19	6.682989216	3.093068521	3.589920695	2.84E-06
peak_14996	chr11	46642015	46642458	1856	intron (NM_001030267, intron 2 of 4)	NM_001030267	srsf7b	3.809602052	0.219835396	3.589766657	1.79E-06
peak_15038	chr3	29639953	29640343	-21814	Intergenic	NM_001002061	rac2	6.77097463	3.181520597	3.589454033	1.86E-06
peak_14576	chr2	45583741	45583972	-17872	Intergenic	NM_200438	gpsm2	5.886861648	2.297460938	3.58940071	1.31E-06
peak_2986	chr10	43362715	43363671	11359	intron (NM_001045134, intron 7 of 18)	NM_001045134	setd1ba	8.914799627	5.325601398	3.589198229	1.94E-15
peak_10130	chr12	32447155	32447738	-5579	Intergenic	NM_001083546	aldh18a1	7.292569356	3.703550148	3.589019208	1.80E-08
peak_14277	chr12	3780245	3780699	-55271	Intergenic	NM_201478	col1a1b	7.358634475	3.769947657	3.588686818	1.04E-06
peak_13586	chr10	7884012	7884869	-80608	Intergenic	NM_001113504	il6st	7.455846905	3.867242821	3.588604084	5.95E-07
peak_7757	chr1	55027083	55027756	134218	Intergenic	NM_001145690	tekt4	9.186007621	5.597738701	3.588268921	6.53E-10
peak_12107	chr5	73135652	73135907	23987	intron (NM_001003629, intron 4 of 4)	NM_001003629	rgs3a	5.777024883	2.188843187	3.588181696	1.48E-07
peak_8336	chr22	39994254	39994632	105187	Intergenic	NM_001003462	trim35-36	6.430768794	2.843310798	3.587457996	1.66E-09
peak_12130	chr18	16553563	16553853	22300	exon (NM_001044986, exon 7 of 12)	NM_001044986	swap70b	6.194566122	2.607953577	3.586612545	1.52E-07
peak_18749	chr10	28897912	28898336	-17302	Intergenic	NR_030020		6.835504335	3.250199718	3.585304618	2.05E-05
peak_17744	chr11	9578736	9579041	459026	Intergenic	NM_001142265	nlgn1	5.885724862	2.300427624	3.585297238	1.16E-05
peak_15240	chr3	41057821	41058257	-86725	Intergenic	NM_212673	cyp3c1	6.664239569	3.07975896	3.584480609	2.17E-06
peak_15405	chr11	10038113	10038430	-357	promoter-TSS (NM_001142265)	NM_001142265	nlgn1	6.369209698	2.785037151	3.584172547	2.42E-06
peak_7445	chr2	509026	509295	-98882	Intergenic	NM_212920	wrnip1	6.331390424	2.747377442	3.584012982	3.96E-10
peak_2562	chr17	8229607	8230393	-77061	Intergenic	NM_130961	lft2	8.482891572	4.899055011	3.583836561	2.02E-16
peak_7179	chr2	25565250	25565529	38762	intron (NM_001159832, intron 2 of 24)	NM_001159832	fndc3ba	5.831047278	2.247233447	3.583813831	2.42E-10
peak_6821	chr17	46089035	46089663	113680	Intergenic	NR_029933		7.253090332	3.669289028	3.583801304	1.23E-10
peak_6372	chr11	31890747	31891583	209964	Intergenic	NM_001014332	man2b1	8.166929042	4.583342234	3.583586807	5.22E-11
peak_15348	chr23	12330781	12331032	63697	Intergenic	NM_001110412	ppp1r3da	5.692623316	2.10908919	3.583534126	2.33E-06
peak_15500	chr22	15208484	15209009	217475	Intergenic	NM_001007788	mfng	6.342046805	2.758533056	3.583513749	2.61E-06
peak_4983	chr5	50291980	50292715	154966	Intergenic	NM_001123267	mblac2	9.073326094	5.489960914	3.583365181	2.13E-12
peak_12508	chr17	10762358	10762703	-63245	Intergenic	NM_214693	lgals3l	5.256113835	1.673255946	3.582857889	2.20E-07
peak_8081	chr4	19790472	19790963	42030	intron (NM_001045143, intron 1 of 36)	NM_001045143	nav3	7.590797357	4.008128004	3.582669353	1.10E-09
peak_15673	chr4	19744124	19744454	-4398	Intergenic	NM_001045143	nav3	5.738327036	2.155703238	3.582623798	3.00E-06
peak_9224	chr23	5823136	5824087	9660	intron (NM_205567, intron 2 of 5)	NM_205567	csrp1a	8.802311765	5.220011293	3.582300471	5.72E-09
peak_18640	chr10	41086653	41087171	-170538	Intergenic	NM_200744	smfn	8.162241634	4.581267497	3.580974137	1.92E-05
peak_28207	chr25	16529201	16530218	-25808	Intergenic	NM_001089545	dkk3	7.421285837	3.840929419	3.580356418	0.001177
peak_14102	chr17	37997789	37998181	-34611	Intergenic	NM_001077153	zfp36l1a	6.325371293	2.745083348	3.580287945	9.17E-07
peak_7845	chr5	52129023	52129570	-307749	Intergenic	NM_200418	fam172a	7.437282552	3.857335527	3.579947025	7.41E-10
peak_5094	chr16	38457218	38457577	-64211	Intergenic	NM_001115142	snrnp48	6.611557899	3.032006906	3.579550993	2.87E-12
peak_12564	chr7	59478403	59478871	36127	Intergenic	NM_214798	si:dkey-235k4.1	6.819391483	3.239967916	3.579423567	2.32E-07
peak_16276	chr16	2529594	2529908	227414	Intergenic	NM_181735	foxi1	3.798584256	0.219835396	3.57874886	4.49E-06
peak_10737	chr19	6783628	6784729	31257	intron (NM_001044927, intron 1 of 4)	NM_001044927	erf	9.244864582	5.666127318	3.578737264	3.59E-08
peak_9559	chr5	20642985	20643821	37828	intron (NM_201009, intron 11 of 18)	NM_201009	aacs	8.35708138	4.778449372	3.578632008	9.08E-09
peak_4154	chr15	1415046	1415613	-20241	intron (NM_001017906, intron 4 of 7)	NM_001007107	il12a	6.75699283	3.178482844	3.578509987	1.67E-13
peak_13938	chr16	31397970	31398666	-23506	Intergenic	NM_131317	mef2d	8.671977946	5.093969448	3.578008497	7.94E-07
peak_1812	chr8	567924	568383	21069	Intergenic	NM_001006084	zgc:101664	8.930194383	5.352410633	3.57778375	1.41E-18
peak_2078	chr16	39858122	39858827	14449	intron (NM_001089345, intron 1 of 3)	NM_001089345	eva1ba	8.484430647	4.906669842	3.577760805	1.02E-17
peak_4210	chr19	61600	65525	13019	Intergenic	NM_001045306	dnajc8	11.47459485	7.89697639	3.577618464	2.06E-13
peak_3718	chr7	21185806	21186207	-62041	Intergenic	NM_001111237	snx15	7.385899469	3.808481676	3.577417794	3.59E-14
peak_10654	chr24	24849677	24850824	29327	intron (NM_001083026, intron 2 of 20)	NM_001083026	rps6ka3b	7.87377095	4.296586549	3.577184401	3.32E-08
peak_15716	chr22	14303642	14304078	42654	Intergenic	NM_199708	bzw1a	6.44095659	2.863796276	3.577160314	3.09E-06
peak_10716	chr18	46987667	46987885	-4593	Intergenic	NM_131348	fli1a	5.534731968	1.957723648	3.57700832	3.52E-08
peak_14447	chr23	9389485	9389844	14692	intron (NM_001002641, intron 8 of 10)	NM_001002641	acss2	5.571801766	1.994825282	3.576976484	1.21E-06
peak_4051	chr3	1390083	1390784	-229	promoter-TSS (NM_001258319)	NM_001258319	dicp1.1	7.306271821	3.729911836	3.576359985	1.20E-13
peak_14750	chr3	22951376	22951769	169206	Intergenic	NM_001128744	cyb561	6.91654024	3.34066452	3.57587572	1.51E-06
peak_8246	chr22	32848306	32848832	111618	intron (NM_199663, intron 4 of 17)	NM_199663	add3a	8.386158515	4.81066561	3.575492906	1.45E-09
peak_2691	chr12	29101052	29101694	-5885	Intergenic	NM_131425	etv4	8.479812081	4.904821771	3.57499031	4.08E-16
peak_10375	chr3	14443958	14444408	71126	intron (NM_001040248, intron 2 of 10)	NM_001040248	nfixb	7.368935951	3.794005	3.574930952	2.36E-08
peak_11534	chr16	17470600	17471006	-78271	intron (NM_001002175, intron 5 of 7)	NM_001020534	mrpl13	6.972871053	3.398064232	3.57480682	8.46E-08
peak_7225	chr2	44657934	44658339	25435	intron (NM_001077340, intron 5 of 7)	NM_001077340	klhl24a	6.657478453	3.082745583	3.57473287	2.69E-10
peak_11484	chr1	4751989	4752391	-130525	Intergenic	NM_212965	nrp2a	6.369726015	2.795071457	3.574654558	8.10E-08
peak_13292	chr25	32600049	32600409	6720	intron (NM_173275_1, intron 3 of 22)	NM_173275_1	lamb1a	6.117013685	2.54248583	3.574527855	4.60E-07
peak_17164	chr6	1539544	1539841	-6292	Intergenic	NM_001110010	plxna1b	5.874526102	2.300427624	3.574098478	7.80E-06
peak_15075	chr8	20351206	20351648	90546	intron (NM_001270477, intron 4 of 6)	NM_001270477	LOC566028	6.571801766	2.998926794	3.572874971	1.91E-06
peak_19441	chr12	36636390	36636999	-204782	Intergenic	NM_001256248	tbccl	7.397313513	3.824535867	3.572777646	2.98E-05
peak_5459	chr6	43588416	43589487	207346	intron (NM_001039637, intron 8 of 19)	NM_001013450	zgc:113054	9.419012924	5.847059446	3.571953478	7.00E-12
peak_12465	chr10	5648914	5649304	-64220	Intergenic	NM_212843	syk	5.954156683	2.382204335	3.571952348	2.12E-07
peak_7103	chr9	8749021	8749384	202174	Intergenic	NM_212771	rab20	6.25006048	2.678824549	3.571235932	2.13E-10
peak_13437	chr25	25361117	25361622	-386293	Intergenic	NM_001002089_1	tsg101a	6.928172706	3.357576645	3.570596061	5.26E-07
peak_10580	chr13	7771788	7772168	37777	intron (NM_001039806, intron 2 of 16)	NM_001039806	epas1b	7.144522262	3.574380958	3.570141304	3.00E-08
peak_10291	chr20	37384613	37384904	-32986	intron (NM_213140, intron 6 of 7)	NM_001163291	gpr126	5.985458636	2.41562392	3.569834716	2.17E-08
peak_9938	chr20	43521744	43522008	5496	TTS (NM_001114685)	NM_001114685	si:dkey-197d18.2	5.528076893	1.958331561	3.569745332	1.46E-08
peak_9266	chr22	13285992	13286394	17830	intron (NM_131264, intron 1 of 10)	NM_131264	ahr2	6.784247197	3.214884161	3.569363037	6.01E-09
peak_3548	chr8	12984697	12985207	-34735	Intergenic	NM_001128381	traf1	7.81597501	4.246879565	3.569095445	1.89E-14
peak_10118	chr6	45957576	45958049	-71536	Intergenic	NM_201476	tardbp	6.984927902	3.416133655	3.568794247	1.77E-08
peak_9344	chr21	39828150	39828567	-43156	Intergenic	NM_001076712	bod1	5.907196485	2.339118807	3.568077678	6.81E-09
peak_8673	chr13	5338940	5339337	-93192	Intergenic	NM_131893	meis1	7.30988708	3.741899257	3.567987823	2.61E-09
peak_10276	chr10	370980	371429	-7650	Intergenic	NM_199984	zgc:56039	7.043235794	3.475781964	3.56745383	2.14E-08
peak_13279	chr13	47714216	47714626	147922	Intergenic	NM_001135791	bcl2l11	6.018112911	2.451382297	3.566730614	4.57E-07
peak_8894	chr9	7129179	7129564	1448	exon (NM_001161497, exon 2 of 3)	NM_001161497	coa5	6.165709012	2.599088186	3.566620825	3.61E-09
peak_17825	chr21	41388772	41389309	31828	intron (NM_001020512, intron 11 of 13)	NM_001020512	dpysl3	6.803108124	3.236692853	3.566415271	1.22E-05
peak_18831	chr6	17991658	17991932	-7023	Intergenic	NM_131029	ntn1a	6.059673623	2.493469792	3.566203831	2.17E-05
peak_11695	chr5	75066914	75067575	42116	Intergenic	NM_001114475	fam78ab	7.206392465	3.640239622	3.566152844	9.76E-08
peak_14303	chr14	6403786	6404100	8658	intron (NM_001114586, intron 2 of 45)	NM_001114586	abca1b	6.247441508	2.681306914	3.566134594	1.06E-06
peak_4608	chr4	4455157	4456054	-47705	Intergenic	NM_001130792	zgc:194209	9.067714262	5.501664904	3.566049358	7.36E-13
peak_14930	chr24	40322214	40322589	8089	Intergenic	NM_130992	nog2	6.906474283	3.34066452	3.565809763	1.71E-06
peak_16145	chr10	34356578	34356917	48369	Intergenic	NR_045237		6.885560622	3.320008242	3.56555238	4.12E-06
peak_8927	chr5	35430978	35431271	12239	intron (NM_001122857, intron 1 of 15)	NM_001122857	dab2ipb	5.69389806	2.129251338	3.564646722	3.80E-09
peak_5826	chr21	5760457	5761197	-4544	Intergenic	NM_001017672	wdr38	8.43013524	4.865739047	3.564396193	1.59E-11
peak_19623	chr1	10500069	10500595	209038	Intergenic	NM_001128774	knstrn	7.172287367	3.608473386	3.563813981	3.33E-05
peak_11207	chr24	19295464	19295896	-75655	Intergenic	NM_200844	zgc:66014	7.74656443	4.183157096	3.563407335	6.04E-08
peak_22057	chr22	17196668	17197092	22567	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	7.112226533	3.548826817	3.563399716	0.000112
peak_15303	chr21	24279810	24280519	17478	intron (NM_001082863, intron 1 of 8)	NM_001082863	jam3b	8.557322001	4.995335855	3.561986147	2.28E-06
peak_9503	chr17	52409930	52410444	9246	intron (NM_001040406, intron 1 of 10)	NM_001040406	numb	7.403185481	3.842233889	3.560951592	8.36E-09
peak_17694	chr21	14429232	14430085	-7190	Intergenic	NM_131840	tnfrsfa	7.710608593	4.150017432	3.560591161	1.12E-05
peak_11616	chr2	16196986	16197369	-73034	Intergenic	NM_001017611	zgc:110269	6.511729373	2.951405393	3.56032398	9.19E-08
peak_10946	chr10	187948	188301	-15250	intron (NM_131836, intron 3 of 5)	NM_199712	pigp	5.248615454	1.688580643	3.560034811	4.60E-08
peak_8498	chr12	29040824	29041294	7811	Intergenic	NM_001002450	meox1	7.286079346	3.726045377	3.56003397	2.09E-09

peak_14079	chr12	18587339	18588220	-27408	Intergenic	NM_201100	minpp1b	7.952032567	4.392165216	3.559867351	9.01E-07
peak_16877	chr20	5077559	5077999	-38059	Intergenic	NM_001163779	ccnk	6.964435016	3.404887464	3.559547552	6.60E-06
peak_12434	chr17	15411257	15411640	-23358	Intergenic	NM_001083827	col10a1a	6.311272049	2.751875264	3.559396785	2.07E-07
peak_16112	chr3	56853558	56854268	-88665	Intergenic	NM_001115092	stk19	7.880981448	4.321856711	3.559124737	4.03E-06
peak_16543	chr1	16166638	16167140	48072	intron (NM_212967, intron 3 of 30)	NM_212967	fat1a	6.374784131	2.816434397	3.558349734	5.40E-06
peak_9066	chr8	19767868	19768733	22970	Intergenic	NM_212872	zgc:77486	9.332343712	5.774468381	3.557875331	4.62E-09
peak_14143	chr6	17979824	17980223	-18795	Intergenic	NM_131029	ntn1a	7.304317639	3.746630768	3.557686871	9.42E-07
peak_8869	chr25	30383426	30383911	-18748	exon (NM_001177491, exon 3 of 3)	NM_001177497	ugt5a5	5.325903537	1.768930124	3.556973413	3.48E-09
peak_19467	chr6	558880	559444	-239	promoter-TSS (NM_200678)	NM_200678	grap2b	5.988904368	2.431948405	3.556955963	3.03E-05
peak_10353	chr2	57252485	57253193	62816	Intergenic	NM_001002555_1	rab11bb	7.718888789	4.162069375	3.556819414	2.31E-08
peak_12317	chr6	4523272	4523518	91195	Intergenic	NM_201285	pou4f1	5.162011373	1.606593419	3.555417954	1.82E-07
peak_11066	chr18	32932300	32932588	-9302	Intergenic	NM_001045019	tiparp	6.034009036	2.478788643	3.555220393	5.31E-08
peak_9448	chr6	22181140	22181697	87041	Intergenic	NM_200704	aanat1	7.73936829	4.184900487	3.554467803	7.84E-09
peak_15158	chr22	16326886	16327234	14767	intron (NM_001100085, intron 3 of 6)	NM_001100085	dph5	5.808033224	2.253961521	3.554071702	2.02E-06
peak_3070	chr5	26662553	26663797	43214	intron (NM_001008576, intron 3 of 3)	NM_001123269	abo	8.674509197	5.120907132	3.553602064	2.68E-15
peak_6065	chr2	51678993	51679952	46122	Intergenic	NM_001172308	LOC100003647	9.030605376	5.477148891	3.553456485	2.78E-11
peak_9296	chr18	4240644	4240951	68204	Intergenic	NM_200555	pdcd10a	5.895403728	2.342001139	3.553402589	6.37E-09
peak_13198	chr17	22473613	22474053	66197	Intergenic	NM_212891	yipf4	6.205367389	2.652137707	3.553229683	4.22E-07
peak_13110	chr2	49704902	49705352	103604	Intergenic	NM_001089323	abhd17aa	8.273240873	4.720074782	3.553166091	3.92E-07
peak_12613	chr9	3117730	3118067	-50711	Intergenic	NM_001076667	dync1i2a	6.147799897	2.594732709	3.553067187	2.41E-07
peak_15861	chr20	19148783	19149755	1982	exon (NM_001080750, exon 2 of 2)	NM_001080750	sox7	7.768663522	4.215908757	3.552754766	3.42E-06
peak_11199	chr19	36602758	36603065	-18694	Intergenic	NM_001044971	bmp8a	5.698562507	2.145840524	3.552721984	6.00E-08
peak_3281	chr2	27366236	27366643	110865	Intergenic	NM_001020557	tmx3	7.275308541	3.723250488	3.552058053	6.35E-15
peak_9639	chr3	15459007	15459514	4736	exon (NM_001017758, exon 4 of 7)	NM_001017758	dhrs7b	7.294111136	3.742260423	3.551850713	1.00E-08
peak_8110	chr1	48091192	48091781	8678	intron (NM_001160022, intron 2 of 11)	NM_001160022	sh3pxd2aa	8.044740114	4.492976407	3.551763707	1.16E-09
peak_5026	chr11	46250951	46252691	16731	intron (NM_001082993, intron 5 of 16)	NM_001082993	sos1	10.09563082	6.544148451	3.551482372	2.39E-12
peak_3964	chr20	43289316	43289833	-121268	Intergenic	NM_001044916	unc93a	8.235793876	4.68451198	3.551281896	9.37E-14
peak_16958	chr8	50082611	50083251	26166	intron (NM_001128254, intron 4 of 17)	NM_001128254	mfn2	6.955939029	3.404887464	3.551051565	6.88E-06
peak_20486	chr9	1649296	1649827	5815	intron (NM_182889, intron 1 of 4)	NM_182889	nfe2l2a	7.480366228	3.929475387	3.550890841	5.26E-05
peak_5926	chr9	8620545	8620850	170816	Intergenic	NM_001045426	zgc:153499	6.58564271	3.035062418	3.550580293	2.00E-11
peak_2374	chr14	1740363	1740889	46596	Intergenic	NM_001024185	pcdh2g13	7.694004238	4.143654694	3.550349544	7.02E-17
peak_17019	chr22	10171163	10172290	-5270	Intergenic	NM_001083059	si:ch211-222k6.3	9.191101043	5.640864922	3.550236121	7.11E-06
peak_11221	chr6	6322345	6322787	-85262	Intergenic	NM_001100951	bcl11ab	7.597189801	4.048197534	3.548992266	6.11E-08
peak_11619	chr20	31550633	31551638	-27927	Intergenic	NM_001044819	sash1a	8.298172023	4.749651353	3.548520669	9.21E-08
peak_15755	chr2	46523358	46523748	-80814	Intergenic	NM_201020_1	gpc1b	6.111282037	2.562967905	3.548314132	3.19E-06
peak_8223	chr25	9209246	9209913	-23309	Intergenic	NM_131389	rag1	8.241988356	4.693789621	3.548198736	1.40E-09
peak_18982	chr13	360361	360690	-13498	Intergenic	NM_212700	degs1	6.049399991	2.501824256	3.547575735	2.35E-05
peak_4062	chr3	52428006	52428512	123348	intron (NM_001040245, intron 3 of 12)	NM_001040245	baiap2a	8.11882933	4.571486704	3.547342625	1.26E-13
peak_11656	chr22	10467055	10467898	-3540	Intergenic	NM_001195614	stab1	7.7458536	4.198725884	3.547127716	9.50E-08
peak_19939	chr12	28522036	28522613	73912	intron (NM_001077161, intron 2 of 4)	NM_001077161	znf438	7.617859212	4.070960518	3.546898694	3.96E-05
peak_3521	chr15	42217132	42217936	37020	intron (NM_212939, intron 14 of 19)	NM_212939	zgc:85932	8.445823459	4.899455477	3.546367982	1.66E-14
peak_13492	chr20	43899268	43899904	49866	intron (NM_001076575, intron 3 of 17)	NM_001076575	zgc:153725	8.036114323	4.489966807	3.546147516	5.52E-07
peak_7014	chr24	6455253	6455692	3605	exon (NM_131774, exon 4 of 11)	NM_131774	anxa13	7.216514688	3.670465738	3.546048951	1.74E-10
peak_2126	chr10	5566859	5567414	17753	intron (NM_212843, intron 3 of 12)	NM_212843	syk	8.278294147	4.732440043	3.545854104	1.37E-17
peak_11468	chr8	32926683	32927126	137212	exon (NM_001159661, exon 28 of 29)	NM_001123321	htr1aa	6.760432562	3.214922551	3.545510011	7.97E-08
peak_19594	chr18	12769840	12770405	44490	exon (NM_001044968, exon 33 of 33)	NM_001044968	plcg2	7.088619085	3.543263223	3.545355862	3.27E-05
peak_7421	chr15	26596456	26596852	-116632	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	6.639015409	3.093952334	3.545063075	3.77E-10
peak_11786	chr21	22486307	22486782	98945	intron (NM_199635, intron 4 of 4)	NM_199635	zbtb16a	6.908478154	3.363521889	3.544956264	1.08E-07
peak_11180	chr11	24607733	24608140	-125056	Intergenic	NM_001145767	nfasca	5.673340617	2.129251338	3.544089279	5.94E-08
peak_7475	chr11	25422798	25423908	-31016	Intergenic	NM_001080582	mxra8a	8.771732301	5.227830155	3.543902146	4.11E-10
peak_12439	chr11	22098127	22098765	1629	exon (NM_001114928, exon 2 of 3)	NM_001114928	zgc:172180	6.516554253	2.972812975	3.543741278	2.08E-07
peak_8177	chr21	36643349	36644562	-93056	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	9.316293519	5.772761982	3.543531537	1.28E-09
peak_15313	chr2	39517422	39517931	-54421	Intergenic	NM_001002667	slc25a36a	6.688779879	3.145496211	3.543283668	2.30E-06
peak_10992	chr19	12076634	12077175	-21909	Intergenic	NM_001136185	LOC799177	7.933747904	4.391689204	3.5420587	4.89E-08
peak_10394	chr3	48451059	48451778	17107	Intergenic	NM_001281995	LOC798119	7.788424239	4.246574216	3.541850023	2.42E-08
peak_2201	chr25	4704386	4705000	-145575	Intergenic	NM_001080181	gnb5a	9.40008599	5.858443264	3.541642726	2.27E-17
peak_16836	chr2	30692620	30693044	61812	Intergenic	NM_001161340	myom1a	5.771377205	2.229879429	3.541497775	6.44E-06
peak_12073	chr23	2334282	2335297	-100541	Intergenic	NM_131230	tcp1	8.212282454	4.670820681	3.541461773	1.43E-07
peak_22718	chr15	44176060	44176525	92615	Intergenic	NM_200546	psmd2	7.220214263	3.678774063	3.541440201	0.000149
peak_15473	chr24	11134380	11134678	83867	intron (NM_200178, intron 14 of 20)	NM_200178	acad11	5.618300328	2.077505579	3.540794749	2.55E-06
peak_7699	chr16	23637925	23638314	-64127	Intergenic	NM_001256189	mpp6a	7.995593227	4.455409996	3.540183231	5.95E-10
peak_4403	chr10	325816	326273	37510	intron (NM_131836, intron 4 of 5)	NM_199984	zgc:56039	6.765719119	3.225691877	3.540027242	3.92E-13
peak_17839	chr16	18558257	18558714	-19966	Intergenic	NM_001003589	ccdc12	7.694110408	4.154180699	3.539929709	1.24E-05
peak_13567	chr5	28228042	28228454	-90446	Intergenic	NM_001128534	arvcfb	6.31764192	2.778081613	3.539560307	5.87E-07
peak_10904	chr3	36340068	36341095	23440	intron (NM_001013263, intron 2 of 3)	NM_001013263	gna13b	8.031075095	4.492028419	3.539046676	4.44E-08
peak_10330	chr10	37532458	37532657	-2725	Intergenic	NM_001089440	or104-1	5.362796846	1.82398328	3.538813565	2.25E-08
peak_13846	chr24	24858952	24859532	20335	intron (NM_001083026, intron 2 of 20)	NM_001083026	rps6ka3b	7.352174337	3.81362002	3.538554317	7.38E-07
peak_12487	chr1	23939026	23939699	95089	Intergenic	NM_001130587	tmem154	8.215771045	4.677570823	3.538200222	2.16E-07
peak_9878	chr23	32733922	32734384	103032	Intergenic	NM_200286	taf8	7.453967223	3.9158335	3.538133722	1.37E-08
peak_9580	chr24	22373565	22374315	42827	exon (NM_001014829, exon 16 of 30)	NM_001014829	flt1	6.994635262	3.456766863	3.537868399	9.37E-09
peak_5208	chr21	43748457	43748751	-55059	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	6.61470218	3.077235242	3.537466938	3.82E-12
peak_19414	chr8	54073918	54074422	-42470	intron (NM_001245969, intron 40 of 43)	NM_131058	tbx16	6.891149816	3.353907349	3.537242467	2.95E-05
peak_6013	chr21	14434152	14435219	-12217	Intergenic	NM_131840	tnfrsfa	9.620010594	6.083131106	3.536879488	2.44E-11
peak_10264	chr16	48469091	48470012	-6986	Intergenic	NM_001115093	rgl2	9.255110903	5.718562606	3.536548297	2.11E-08
peak_15655	chr13	49645517	49646020	80085	Intergenic	NM_001003463	ntpcr	7.634817951	4.09832483	3.536493122	2.93E-06
peak_13725	chr13	23117407	23117662	-15731	exon (NM_213252, exon 15 of 18)	NM_001017773	tspan15	5.349884986	1.813729373	3.536155612	6.65E-07
peak_9174	chr19	19710463	19710846	52083	exon (NM_001045191, exon 17 of 35)	NM_001045191	top2b	6.550794982	3.014660038	3.536134944	5.30E-09
peak_13802	chr10	26275563	26275912	58122	Intergenic	NM_131294	sod1	6.436633343	2.901022276	3.535611068	7.09E-07
peak_2103	chr17	33599909	33601050	19111	Intergenic	NM_001089387	zgc:162964	10.08664015	6.551228426	3.53541172	1.19E-17
peak_10911	chr8	10029779	10030257	85192	intron (NM_001098489, intron 3 of 31)	NM_001098489	plxna3	8.517881421	4.983162178	3.534719243	4.47E-08
peak_20309	chr11	4961001	4961619	-136634	Intergenic	NM_001077310		7.629028282	4.094423537	3.534604745	4.84E-05
peak_15044	chr12	16084119	16084396	318	exon (NM_001002599, exon 1 of 7)	NM_001002599	sult1st6	6.010269238	2.47646179	3.533807448	1.88E-06
peak_2234	chr15	25064223	25065499	49010	Intergenic	NM_001002314	hic1	9.64654294	6.112796074	3.533746866	2.69E-17
peak_10832	chr7	4886738	4887151	-3099	Intergenic	NM_001100080	si:ch211-225k7.5	6.853140658	3.320123694	3.533016965	4.02E-08
peak_10961	chr11	44287194	44287879	19647	Intergenic	NM_212914	foxg1b	7.185958863	3.653792164	3.532166699	4.67E-08
peak_5115	chr22	17667061	17667742	16288	Intergenic	NM_001128684	si:ch211-197g15.	9.717469907	6.185421123	3.532048784	3.07E-12
peak_17868	chr9	27221192	27221870	84372	Intergenic	NM_131023	efnb2a	7.316530887	3.785199131	3.531331756	1.25E-05
peak_8391	chr16	27956541	27956886	-36734	Intergenic	NM_199614	tomm40	5.339573906	1.808670185	3.530903721	1.81E-09
peak_10152	chr8	2487233	2487694	-6696	Intergenic	NM_001123265	ikbkb	7.436894542	3.906674392	3.530220151	1.84E-08
peak_3535	chr25	6390441	6391065	-59470	Intergenic	NM_213019	ppib	7.225089051	3.694937738	3.530151312	1.80E-14
peak_18952	chr14	17757548	17758432	2666	exon (NM_001159840, exon 6 of 6)	NM_001159840	olfcg1	8.637411967	5.107480027	3.52993194	2.30E-05
peak_15009	chr16	44653468	44653750	10315	intron (NM_001077539, intron 1 of 5)	NM_001077539	scn1ba	5.524709948	1.994825282	3.529884666	1.81E-06
peak_9608	chr14	15211080	15211350	1886	exon (NM_131008, exon 3 of 6)	NM_131008	spon2b	5.116995205	1.587289192	3.529706013	9.68E-09
peak_14969	chr24	8090140	8090525	19166	Intergenic	NM_001030066	bloc1s5	6.761255326	3.231907109	3.529348217	1.76E-06
peak_8841	chr21	18973918	18974308	-25720	Intergenic	NM_201171	dusp4	7.045900428	3.517765037	3.528135391	3.38E-09
peak_13978	chr8	56169852	56170480	-2139	intron (NM_205697, intron 3 of 5)	NM_198869_1	apeh	6.297345851	2.769475995	3.527869856	8.26E-07
peak_8038	chr19	34394407	34394715	39766	intron (NM_001044847, intron 2 of 18)	NM_001044847	spire1a	6.190357353	2.662500368	3.527856985	1.02E-09
peak_8434	chr13	31026779	31027060	-1081	Intergenic	NM_178307	cxcl12a	5.511729373	1.983937709	3.527791663	1.93E-09
peak_2768	chr16	6560250	6561250	65889	Intergenic	NM_001020563	echdc1	9.58669937	6.059193583	3.527505787	6.41E-16
peak_15171	chr1	39021284	39021623	89851	intron (NM_214687, intron 1 of 6)	NM_214687	gpm6ab	6.555504813	3.028052015	3.527452798	2.04E-06
peak_7595	chr2	38547764	38548540	-81019	Intergenic	NM_001123046	rem2	8.805081329	5.277768755	3.527312574	5.08E-10
peak_20608	chr6	25976328	25977594	-45731	Intergenic	NM_001037227	dzip1l	6.190959358	2.663703566	3.527255792	5.61E-05
peak_3204	chr17	6769868	6770459	49287	Intergenic	NM_001287088	zgc:172341	8.331739629	4.804649129	3.527090501	4.50E-15
peak_7565	chr3	33386495	33386743	-50913	Intergenic	NM_001114705	hspb9	5.69177286	2.165224779	3.526548082	4.89E-10
peak_15347	chr20	22273532	22274172	-2710	Intergenic	NM_001044939	srd5a3	7.894023352	4.367614624	3.526408728	2.33E-06

peak_12459	chr10	3752467	3752865	224908	Intergenic	NM_001037412	zgc:123275	6.098127458	2.57218723	3.525940229	2.11E-07
peak_9943	chr20	19236050	19236405	-12892	Intergenic	NM_001030220	blk	5.61606071	2.091233224	3.524827486	1.47E-08
peak_21701	chr20	34262861	34263386	54092	intron (NM_001190304, intron 11 of 106)	NM_001190304	hmcn1	7.64705764	4.122548641	3.524508999	9.39E-05
peak_23986	chr6	44020612	44021402	-45396	3' UTR (NM_001080600, exon 12 of 12)	NM_001012373	rybpb	7.865942385	4.342393404	3.523548981	0.000255
peak_24950	chr14	18005338	18006141	61962	Intergenic	NM_199714	rraga	3.742100794	0.219835396	3.522265398	0.00038
peak_9521	chr13	49659971	49660629	65553	Intergenic	NM_001003463	ntpcr	8.588561717	5.066584984	3.521976734	8.55E-09
peak_8163	chr13	17087100	17087648	425961	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	6.479482569	2.957571597	3.521910972	1.25E-09
peak_21130	chr1	36961769	36962223	-83984	Intergenic	NM_001135121	dclk2	6.236385727	2.716259194	3.520126532	7.15E-05
peak_13245	chr20	4552472	4552820	227207	Intergenic	NM_205758	papola	6.425406931	2.905437148	3.519969784	4.39E-07
peak_7501	chr4	13435470	13435876	26575	Intergenic	NM_001162854	LOC799612	6.976387689	3.458038022	3.518349666	4.34E-10
peak_13421	chr6	30601061	30601378	205050	Intergenic	NM_001037669	insl5a	6.09910867	2.581522564	3.517586106	5.20E-07
peak_18583	chr13	48891545	48891978	-105441	Intergenic	NM_001098262	zmp:000000113	7.150424131	3.632962188	3.517461944	1.86E-05
peak_15148	chr23	37077406	37077718	-97571	Intergenic	NM_001089535	ube2j2	5.985111585	2.468306686	3.516804899	2.01E-06
peak_19388	chr23	10632602	10633169	129769	Intergenic	NM_001099237	eif4ba	7.113338473	3.596910345	3.516428128	2.92E-05
peak_14668	chr24	24420381	24420697	27056	Intergenic	NM_200062	rrs1	5.942743101	2.426527409	3.516215693	1.42E-06
peak_19515	chr14	22923074	22923495	12367	Intergenic	NM_200207	zgc:56197	6.590683305	3.074484411	3.516198894	3.13E-05
peak_2722	chr18	48783929	48784779	-43196	Intergenic	NM_001045317	mob2b	9.40188793	5.885979463	3.515908467	5.01E-16
peak_15278	chr22	11098180	11098712	64852	intron (NM_001123229, intron 2 of 20)	NM_001123229	insrb	8.814025207	5.298182045	3.515843163	2.22E-06
peak_3177	chr8	49944804	49945372	14697	intron (NM_001257149, intron 1 of 10)	NM_001257149	kank3	8.227736043	4.71208663	3.515649413	3.96E-15
peak_16716	chr14	262503	262957	-11652	Intergenic	NM_201039	wdr1	3.735417151	0.219835396	3.515581756	6.01E-06
peak_14508	chr19	15721584	15721923	226487	Intergenic	NM_001201443	gmeb1	4.000666855	0.48510786	3.515558995	1.27E-06
peak_20195	chr10	29301996	29302477	215315	Intergenic	NM_131000	alcama	7.263160828	3.747864443	3.515296385	4.58E-05
peak_9591	chr7	69486538	69486931	3306	exon (NM_001002386, exon 3 of 15)	NM_001002386	kars	6.538548724	3.023664005	3.51488472	9.48E-09
peak_15537	chr16	19733929	19734383	-12498	Intergenic	NM_001012490	ccdc106a	6.250621241	2.736196256	3.514424985	2.69E-06
peak_16721	chr19	23695782	23696207	40073	intron (NM_001004287, intron 3 of 16)	NM_001004287	grb10a	7.150733613	3.636588793	3.51414482	6.03E-06
peak_7154	chr6	10143869	10144898	72189	Intergenic	NM_001044895	scn1lab	9.932570432	6.418793454	3.513776979	2.29E-10
peak_9225	chr4	10812567	10813017	2769	intron (NM_001045016, intron 1 of 7)	NM_001045016	podxl	6.687073926	3.173457865	3.513616061	5.73E-09
peak_11232	chr18	48124267	48124788	24676	Intergenic	NM_001007334	yif1b	6.252369516	2.738812296	3.51355722	6.23E-08
peak_23406	chr6	44665328	44665741	-332252	Intergenic	NM_001256392	pdzrn3b	6.486148457	2.972970937	3.51317752	0.000198
peak_10494	chr21	13923241	13923559	-2874	3' UTR (NM_200584, exon 5 of 5)	NM_153653	p2rx4a	6.043059365	2.52990176	3.513157605	2.72E-08
peak_21517	chr7	75902151	75902975	179927	Intergenic	NM_001077468	mrpl21	7.78423556	4.271402262	3.512833299	8.60E-05
peak_7480	chr14	6333389	6334123	-61529	Intergenic	NM_001114586	abca1b	8.521419395	5.00878813	3.512631265	4.16E-10
peak_18156	chr22	13270720	13271550	32888	intron (NM_131264, intron 2 of 10)	NM_131264	ahr2	8.148401839	4.635793337	3.512608501	1.49E-05
peak_14412	chr11	7810444	7810709	-254204	Intergenic	NM_213367	eltd1	6.057034331	2.544989525	3.512044805	1.17E-06
peak_19445	chr19	47172367	47173259	114322	intron (NM_001177934, intron 6 of 7)	NM_200669	ptpn12	8.080591565	4.568634731	3.511956835	2.99E-05
peak_4632	chr5	70717122	70719053	29736	Intergenic	NM_001007401	b4galt4	10.3984542	6.886512932	3.511941269	7.78E-13
peak_15893	chr8	55067989	55068302	4087	intron (NM_001080987, intron 1 of 5)	NM_001080987	cyr61	5.079009684	1.567723154	3.511286529	3.48E-06
peak_17749	chr19	609037	609307	2561	exon (NM_001083866, exon 2 of 16)	NM_001083866	tert	5.829114934	2.318779611	3.510335323	1.17E-05
peak_11573	chr14	40627963	40628817	-100830	Intergenic	NM_131782	glra4a	8.121525167	4.611294621	3.510230545	8.81E-08
peak_10397	chr2	6589249	6589515	-1294	Intergenic	NM_001017821	rgs5b	5.158322191	1.64814093	3.510181261	2.43E-08
peak_11642	chr20	20643128	20643494	-37286	Intergenic	NM_001020585	six6b	6.67179421	3.161613708	3.510180502	9.38E-08
peak_16973	chr21	44275720	44276126	8274	Intergenic	NM_205747	irf1b	6.169073869	2.659088343	3.509985526	6.93E-06
peak_18607	chr7	47625115	47625699	3864	intron (NM_001082801, intron 4 of 5)	NM_001082801	zgc:162297	6.767951731	3.258084407	3.509867324	1.89E-05
peak_27199	chr14	18456794	18457550	-20467	Intergenic	NM_175576	plp1a	7.033860839	3.524634423	3.509226416	0.000832
peak_10474	chr13	30345963	30346391	19512	Intergenic	NM_001128710	tysnd1	6.43664815	2.92806201	3.50858614	2.65E-08
peak_14123	chr7	45594358	45594771	-1730	Intergenic	NM_001003468	cmtm3	6.488123456	2.980232222	3.507891234	9.33E-07
peak_7098	chr8	26304871	26305225	-29919	Intergenic	NM_001114907	kcnq2a	6.846075989	3.338190702	3.507885286	2.12E-10
peak_17277	chr17	51219708	51220256	-12013	Intergenic	NM_001256215	fermt2	7.068082965	3.560297382	3.507785584	8.42E-06
peak_14912	chr13	40424638	40425067	-33817	Intergenic	NM_001128272	zgc:171482	7.201629496	3.694585063	3.507044432	1.69E-06
peak_10258	chr20	14656426	14656756	-47653	Intergenic	NM_200403	tmed5	6.445252202	2.938326988	3.506925214	2.08E-08
peak_9933	chr16	25027718	25028449	-18155	Intergenic	NM_001003997	flad1	7.847508557	4.340645885	3.506862673	1.45E-08
peak_4049	chr21	7837319	7838092	-3995	Intergenic	NM_001045564	psmb7	9.085425308	5.579025503	3.506399804	1.20E-13
peak_4748	chr14	34563910	34564420	24589	Intergenic	NM_201032	xpnpep2	7.421549829	3.915435704	3.506114125	1.08E-12
peak_17153	chr13	23171974	23172447	-159	promoter-TSS (NM_001115125)	NM_001115125	hkdc1	6.422831693	2.916931135	3.505900558	7.77E-06
peak_18624	chr25	20479913	20480175	-11007	Intergenic	NM_001128746	zgc:194665	5.860192982	2.355004635	3.505188347	1.91E-05
peak_9751	chr12	16085645	16086085	-1290	Intergenic	NM_001002599	sult1st6	6.922906591	3.418439236	3.504467355	1.16E-08
peak_16358	chr10	6241363	6241905	6729	Intergenic	NM_001005593	hint1	4.699384287	1.19500324	3.504381047	4.77E-06
peak_4873	chr2	20486124	20486670	-8734	Intergenic	NM_131217	rxrga	8.733731927	5.229718985	3.504012942	1.61E-12
peak_15372	chr10	35554448	35554862	-158635	Intergenic	NM_001013500	nbeaa	6.840309062	3.337779514	3.502529548	2.37E-06
peak_3744	chr16	8822502	8823442	-50333	Intergenic	NM_001001848	popdc3	9.780630352	6.279273669	3.501356683	3.99E-14
peak_2186	chr24	31182606	31183748	231	intron (NM_001017664, intron 1 of 2)	NM_001017664	cremb	9.854901434	6.353718441	3.501182993	2.04E-17
peak_11110	chr20	44412478	44412828	107054	Intergenic	NM_130940	bon	6.136869667	2.636077071	3.500792596	5.53E-08
peak_4057	chr2	54992557	54993262	13251	intron (NM_001020630, intron 3 of 6)	NM_001020630	rab12	9.22736501	5.727356279	3.500008731	1.23E-13
peak_7865	chr25	10999204	10999524	-7216	Intergenic	NM_001002539	ap3s2	6.370538899	2.870530664	3.500008235	7.65E-10
peak_3981	chr4	5016856	5017233	10781	exon (NM_001045068, exon 4 of 5)	NM_001045068	ccnd2b	7.391294233	3.891559554	3.499734679	9.87E-14
peak_15229	chr6	43504236	43504869	122947	Intergenic	NM_001013450	zgc:113054	7.025249031	3.525949129	3.499299902	2.15E-06
peak_17627	chr1	53769006	53769481	3874	exon (NM_213373, exon 6 of 10)	NM_213373	znf330	7.434347161	3.935189554	3.499157607	1.08E-05
peak_17140	chr9	1651390	1651815	7856	intron (NM_182889, intron 1 of 4)	NM_182889	nfe2l2a	6.353638064	2.855283833	3.49835423	7.69E-06
peak_3524	chr4	59559236	59559947	39306	intron (NM_001199134, intron 7 of 29)	NM_001199134	ptprb	8.132862312	4.634508085	3.498354227	1.72E-14
peak_10418	chr20	23617855	23618229	26756	Intergenic	NM_205656	cbr4	6.439943997	2.94193745	3.498006547	2.49E-08
peak_17766	chr16	7136654	7137249	-159725	Intergenic	NM_001003516	zgc:100908	6.946313055	3.448496808	3.497816246	1.18E-05
peak_8410	chr3	15482926	15483861	-14270	Intergenic	NM_199575	hn1l	8.270186031	4.772865647	3.497320384	1.85E-09
peak_2056	chr11	38470673	38471369	-41	promoter-TSS (NM_001040385)	NM_001040385	egfl7	9.541821375	6.045311649	3.496509725	8.93E-18
peak_14764	chr21	40934002	40934382	157756	Intergenic	NM_001256250	gabrg2	5.403452806	1.907116997	3.496335808	1.53E-06
peak_16524	chr7	65293215	65294105	-1678	Intergenic	NM_131287	sox17	8.918992424	5.422781699	3.496210725	5.35E-06
peak_9389	chr21	39970015	39970527	-55616	Intergenic	NM_131276	msxd	7.689318791	4.193245849	3.496072942	7.26E-09
peak_18086	chr3	18539293	18539632	19562	exon (NM_001025513, exon 12 of 14)	NM_001025513	e4f1	6.258142746	2.762671438	3.495471308	1.43E-05
peak_12918	chr15	13054142	13054472	-28048	Intergenic	NM_001077738	tmprss4a	6.462615371	2.967223393	3.495391977	3.23E-07
peak_18483	chr13	1307191	1307624	-26275	Intergenic	NM_201000	bag2	6.946145168	3.45116889	3.494976279	1.77E-05
peak_9783	chr7	68946067	68946487	167034	Intergenic	NM_200672	swap70a	7.466722784	3.971870176	3.494852608	1.22E-08
peak_3557	chr12	9392158	9392852	68563	Intergenic	NM_001002613	nrbf2b	9.508533313	6.013735278	3.494798035	1.92E-14
peak_8632	chr11	25957187	25957784	29134	intron (NM_001007295, intron 2 of 9)	NM_001007295	zgc:92107	7.016245865	3.521688392	3.494557472	2.45E-09
peak_15172	chr17	52394001	52394363	25251	intron (NM_001040406, intron 1 of 10)	NM_001040406	numb	7.717967535	4.225369873	3.492597662	2.05E-06
peak_12793	chr9	18343650	18344251	-44312	Intergenic	NM_001128338	vwa8	7.040389474	3.547888667	3.492500807	2.88E-07
peak_6621	chr1	55632993	55633699	-1296	Intergenic	NM_001145561	aftpha	7.788523683	4.296236574	3.492287109	8.55E-11
peak_10431	chr1	19399629	19399903	-24684	Intergenic	NM_001044325	zgc:136652	5.774617197	2.282535302	3.492081896	2.53E-08
peak_15784	chr25	16797024	16797861	84270	Intergenic	NM_212847	tead1a	6.756382873	3.264527743	3.49185513	3.25E-06
peak_11671	chr18	33720653	33720995	31183	Intergenic	NM_199671	snrpa	5.449549736	1.957723648	3.491826088	9.59E-08
peak_6586	chr5	70705189	70705700	42379	Intergenic	NM_001007401	b4galt4	8.198995848	4.70740386	3.491591988	7.92E-11
peak_14489	chr24	7760976	7761562	10358	intron (NM_001114549, intron 1 of 1)	NM_001114549	ptrfb	7.245559276	3.754778639	3.490780636	1.25E-06
peak_7568	chr20	38169169	38169497	-57539	Intergenic	NM_001045004	ehd3	6.226989601	2.736735237	3.490254363	4.90E-10
peak_9634	chr20	28723831	28724092	-59208	exon (NM_001281792, exon 2 of 21)	NM_001035263	rgs6	5.625915103	2.13590992	3.490005183	9.96E-09
peak_13907	chr20	36119581	36120128	11980	intron (NM_001030185, intron 2 of 2)	NM_001030185	ptchd4	6.618747835	3.129371542	3.489376293	7.76E-07
peak_9167	chr13	7898439	7898763	-86104	Intergenic	NM_001113797	socs5b	6.21961574	2.730420281	3.489195459	5.25E-09
peak_8789	chr14	25648407	25648813	-86063	intron (NM_131736, intron 4 of 35)	NR_030121		6.488627496	3.000062396	3.4885651	3.11E-09
peak_8103	chr24	9476854	9477082	-20555	Intergenic	NM_001199738	topbp1	5.744105326	2.256428933	3.487676393	1.14E-09
peak_1397	chr20	6498242	6498903	-100055	Intergenic	NM_001076621	mep1b	9.225894918	5.738682772	3.487212146	3.68E-20
peak_11071	chr13	46350596	46350828	-111721	Intergenic	NM_001080635_1	ldlrap1b	5.277310655	1.790139794	3.487170861	5.36E-08
peak_15247	chr20	28340284	28341295	41170	intron (NM_001045119, intron 25 of 35)	NM_001045119	ino80	8.87174602	5.385762035	3.485983986	2.18E-06
peak_11311	chr24	34636918	34637749	-37185	Intergenic	NM_001114440	slc4a2b	8.780437657	5.294481368	3.48595629	6.75E-08
peak_15905	chr20	16185359	16185806	11301	intron (NM_200474, intron 1 of 17)	NM_200474	ralgps2	6.708093511	3.222650028	3.485443483	3.52E-06
peak_14035	chr22	32599109	32599516	-2873	Intergenic	NM_214689	smc3	5.809993993	2.324620128	3.485373865	8.69E-07
peak_20767	chr13	51016934	51017404	158610	Intergenic	NM_001040376	pkz	6.675252916	3.190187557	3.485065359	6.02E-05
peak_15463	chr3	57992468	57992919	-57874	Intergenic	NM_001123516	fscn2a	6.440971353	2.955978838	3.484992515	2.54E-06
peak_22400	chr20	54700579	54700908	12572	Intergenic	NM_205653	znf410	3.703707687	0.219835396	3.483872291	0.00013

peak_10574	chr25	561956	563169	74618	Intergenic	NM_212993	rsl24d1	7.663576447	4.180086183	3.483490264	2.97E-08
peak_6983	chr5	43662621	43663406	47534	intron (NM_001256655, intron 4 of 7)	NM_001256655	pigl	8.743378318	5.260638785	3.482739533	1.65E-10
peak_3437	chr13	24341259	24341745	94535	intron (NM_001128351, intron 3 of 15)	NM_001145605	pgbd5	7.897352328	4.415192407	3.482159921	1.16E-14
peak_8657	chr18	35066483	35066719	-43020	intron (NM_001083063, intron 19 of 19)	NM_001007312	fosb	5.542799588	2.060746864	3.482052723	2.53E-09
peak_10751	chr22	3322014	3322431	5796	intron (NM_001285535, intron 1 of 1)	NM_001285535	tbxa2r	5.515126713	2.03382562	3.481301093	3.66E-08
peak_3341	chr6	59536952	59538645	-21201	intron (NM_001142376, intron 10 of 16)	NM_130941	pl10	10.13959051	6.658331406	3.481259101	8.14E-15
peak_5606	chr19	396411	398076	-2928	Intergenic	NM_212999	sema6d	9.596470039	6.116709726	3.479760313	9.99E-12
peak_8491	chr8	46190575	46191206	-170213	Intergenic	NM_001130631	ulk1a	7.693267026	4.213552791	3.479714234	2.08E-09
peak_26989	chr17	22537250	22538248	-52477	Intergenic	NM_173285	ttc27	8.421493188	4.941935745	3.479557443	0.000777
peak_3500	chr20	19176575	19177236	29618	Intergenic	NM_001080750	sox7	8.436263673	4.957296849	3.478966824	1.51E-14
peak_19628	chr24	20245409	20245871	21864	Intergenic	NM_199619	csrnp1b	5.971470171	2.493469792	3.478000379	3.34E-05
peak_8058	chr9	45126403	45126768	228988	Intergenic	NM_001089474	cerkl	6.693685681	3.215881121	3.47780456	1.06E-09
peak_17152	chr21	13974912	13975423	15550	intron (NM_131888, intron 1 of 22)	NM_131888	ptpra	7.810195638	4.332805955	3.477389683	7.76E-06
peak_14301	chr8	17970746	17971259	64844	intron (NM_130935, intron 1 of 6)	NM_130935	skia	7.096209903	3.619162112	3.47704779	1.06E-06
peak_9593	chr5	5429673	5430081	-218238	Intergenic	NM_001076606	mvb12ba	7.298176097	3.821152757	3.47702334	9.51E-09
peak_2848	chr14	43207979	43209021	3350	intron (NM_001012263, intron 1 of 5)	NM_001012263	fgfrl1b	9.307207142	5.830431426	3.476775716	9.81E-16
peak_2946	chr8	45293282	45294149	-87711	Intergenic	NM_001007031	fam101a	9.358266039	5.881774849	3.476491189	1.63E-15
peak_13096	chr24	16959686	16960257	-136140	Intergenic	NM_001271670	sema5a	6.321220813	2.845161293	3.47605952	3.88E-07
peak_18150	chr24	2445469	2445995	-83423	Intergenic	NM_001076711	f13a1a.1	5.831047278	2.355004635	3.476042643	1.48E-05
peak_9236	chr8	44999400	44999780	-39962	Intergenic	NM_001004676	rassf2a	6.854292316	3.378493083	3.475799233	5.79E-09
peak_11737	chr24	34609548	34610327	-9789	Intergenic	NM_001114440	slc4a2b	7.679990447	4.204510644	3.475479803	1.02E-07
peak_10121	chr1	14141725	14142423	156646	Intergenic	NM_001045485	pi4k2b	7.742650944	4.267968264	3.474682681	1.78E-08
peak_14758	chr1	29691653	29692533	53168	intron (NM_001045236, intron 3 of 10)	NM_001045236	dachc	8.168907721	4.694611916	3.474295805	1.52E-06
peak_7944	chr4	3917490	3918000	-34197	Intergenic	NM_201059	waslb	8.647067239	5.173161833	3.473905406	8.73E-10
peak_2662	chr16	50994303	50995004	355079	Intergenic	NM_001013336	slc25a32b	8.493935725	5.020622019	3.473313706	3.55E-16
peak_10697	chr15	20819914	20820206	19442	Intergenic	NM_001089487	zgc:162608	5.173058203	1.700462435	3.472595768	3.45E-08
peak_13073	chr14	30602724	30603078	-42130	Intergenic	NM_001045414	zgc:153146	5.672022415	2.199618821	3.472403594	3.79E-07
peak_16920	chr23	24662571	24662886	-32216	Intergenic	NM_001033590	fam131c	6.007196132	2.535072101	3.472124031	6.74E-06
peak_12321	chr9	46578230	46578551	92826	Intergenic	NM_001099232	zgc:165571	6.083269219	2.611959078	3.471310141	1.83E-07
peak_2963	chr20	49490475	49491128	-68254	Intergenic	NM_001014329	naa20	7.923274215	4.452293335	3.470980881	1.75E-15
peak_16888	chr3	62040088	62040528	19454	intron (NM_001017830, intron 5 of 11)	NM_001017830	baiap2l1b	3.6900456	0.219835396	3.470210205	6.63E-06
peak_16466	chr25	34768130	34768665	67131	Intergenic	NM_001172680	zgc:136826	7.353645906	3.884073922	3.469571984	5.14E-06
peak_12809	chr18	45689898	45690626	-57823	Intergenic	NM_199925	zgc:77304	7.298299486	3.828827086	3.4694724	2.92E-07
peak_13248	chr21	25382847	25383101	38724	Intergenic	NM_200039	sdf2	5.784646086	2.315340093	3.469305993	4.40E-07
peak_16184	chr5	75681589	75682077	96484	Intergenic	NM_200686	mtfp1	5.893577317	2.424306676	3.469270641	4.23E-06
peak_9455	chr10	42810752	42811336	3889	intron (NM_001002414, intron 1 of 6)	NM_001002414	cabp1b	8.10287691	4.633680082	3.469196827	7.92E-09
peak_13826	chr13	34865943	34866253	-47009	Intergenic	NM_001100953	tasp1	6.295914793	2.826759791	3.469155002	7.24E-07
peak_20739	chr23	18040768	18041435	-4286	exon (NM_001193352, exon 3 of 9)	NM_001002721	tfip11	7.466971343	3.997979291	3.468992052	5.96E-05
peak_17068	chr20	39652667	39652951	-30762	Intergenic	NM_131622	hey2	5.651123077	2.182425019	3.468698058	7.34E-06
peak_16677	chr25	37580047	37580304	92615	Intergenic	NM_213100_1	irx3b	3.688341143	0.219835396	3.468505748	5.86E-06
peak_3888	chr14	53614192	53615531	43808	Intergenic	NM_001024461	polr2b	10.31605309	6.848059738	3.467993355	7.04E-14
peak_11116	chr13	30645660	30646151	-84478	Intergenic	NM_001113339	zmiz1a	7.454977335	3.987485497	3.467491837	5.57E-08
peak_14524	chr3	42416394	42416820	-99039	Intergenic	NM_001109869	kdm8	5.594783512	2.127408287	3.467375225	1.28E-06
peak_7760	chr4	14810278	14810607	139206	intron (NM_001030134, intron 11 of 17)	NM_001030134	exoc4	6.439943997	2.973417255	3.466526741	6.60E-10
peak_19961	chr5	25965787	25966284	-8777	Intergenic	NM_001005999	ctsll	6.79319563	3.327830837	3.465364793	4.02E-05
peak_17340	chr5	31503917	31504469	34297	Intergenic	NM_001004667	f11r	8.05919355	4.593986325	3.465207225	8.71E-06
peak_26457	chr5	30183074	30183660	8445	intron (NM_001089574, intron 2 of 9)	NM_001089574	zgc:162952	6.834337576	3.369201652	3.465135924	0.000641
peak_7294	chr16	5134877	5135243	10334	intron (NM_152981, intron 1 of 8)	NM_152981	mtf1	5.976736844	2.511706089	3.465030756	3.06E-10
peak_5531	chr12	22237341	22237914	-88650	Intergenic	NM_199970	nme2a	7.972876158	4.508039875	3.464836283	8.19E-12
peak_10586	chr20	44744567	44744912	40915	Intergenic	NM_001013534	zgc:103511	5.748201508	2.283632269	3.464569238	3.02E-08
peak_13799	chr16	28961522	28962080	-34365	Intergenic	NM_001080576	esrp1	6.517768455	3.053214898	3.464553557	7.08E-07
peak_23130	chr11	6585383	6585830	46793	Intergenic	NM_213031	gadd45ba	6.373723994	2.909201936	3.464522058	0.000179
peak_17474	chr19	2146224	2146614	21038	intron (NM_198819, intron 27 of 28)	NM_001045844	btd	5.694322724	2.229879429	3.464443295	9.58E-06
peak_12285	chr18	31804909	31805351	54975	Intergenic	NM_001126451	v2rh7	7.740293978	4.276328029	3.46396595	1.77E-07
peak_13693	chr2	17063779	17064198	61098	Intergenic	NM_001281996	ptger4c	6.175475977	2.711648772	3.463827204	6.53E-07
peak_13244	chr6	33681803	33682477	626	exon (NR_036574, exon 1 of 1)	NR_036574		6.40815049	2.94536242	3.46278807	4.38E-07
peak_12368	chr7	70978920	70979232	5393	Intergenic	NM_001100142_1	phlpp2	5.533308462	2.070571246	3.462737216	1.93E-07
peak_14642	chr19	38693650	38694322	9347	Intergenic	NM_001044823	cx39.4	8.048320699	4.585668536	3.462652163	1.40E-06
peak_14782	chr24	32584140	32584482	-7300	Intergenic	NM_001002229	snx7	6.16478996	2.702403373	3.462386587	1.55E-06
peak_11113	chr5	50754821	50755150	23761	Intergenic	NM_001080029	arrdc3a	6.321220813	2.858920557	3.462300256	5.55E-08
peak_18328	chr17	41721419	41721727	141915	Intergenic	NM_199658	insm1b	5.762470873	2.300427624	3.462043249	1.64E-05
peak_5616	chr22	1081540	1082017	-2047	Intergenic	NM_001005595	impact	7.722561003	4.261219091	3.461341912	1.01E-11
peak_4897	chr1	52508333	52508800	114785	Intergenic	NM_001003739	rad23aa	7.855147146	4.394476137	3.46067101	1.71E-12
peak_5069	chr5	3455746	3456202	-62488	Intergenic	NM_213022	ywhag1	7.214434975	3.754134453	3.460300522	2.67E-12
peak_9769	chr8	33516694	33517132	136343	Intergenic	NM_001123324	zgc:194839	6.450052762	2.989763065	3.460289697	1.19E-08
peak_11780	chr20	6669417	6669961	29534	Intergenic	NM_001171033	si:ch211-191a24.	8.087654286	4.627468966	3.46018532	1.07E-07
peak_11445	chr3	27291932	27292496	113314	Intergenic	NM_001004119	emp2	6.050063769	2.589891108	3.460172662	7.77E-08
peak_6536	chr7	34307636	34307968	50047	Intergenic	NM_131518	cd81	6.230231765	2.770107724	3.460124041	7.20E-11
peak_11121	chr15	26009069	26009488	-120669	Intergenic	NM_001080010	serpinf2b	7.38246998	3.922581952	3.459888028	5.60E-08
peak_5331	chr13	22913899	22914695	56719	Intergenic	NM_001001840	nfkb2	8.953848943	5.494063797	3.459785146	5.06E-12
peak_12621	chr17	48627747	48628143	119132	Intergenic	NM_001201393_1	smoc1	6.104870153	2.645153421	3.459716731	2.43E-07
peak_10813	chr16	22006831	22007269	-29038	Intergenic	NM_200816	hdac9b	6.304317639	2.844764934	3.459552705	3.94E-08
peak_15308	chr5	270831	271263	-20542	Intergenic	NM_214750	rnf170	4.533336158	1.07379276	3.459543398	2.29E-06
peak_12262	chr9	35235304	35235707	-4010	exon (NM_001004642, exon 7 of 8)	NM_001089356	me3	6.395087117	2.935737675	3.459349442	1.72E-07
peak_4427	chr24	12548852	12549657	42260	intron (NM_200950, intron 2 of 5)	NM_200950	pdcd6	8.663570121	5.204843605	3.458726516	4.30E-13
peak_6486	chr4	14099556	14100532	23311	intron (NM_201489, intron 1 of 6)	NM_201489	ube2h	8.261442308	4.803493035	3.457949273	6.61E-11
peak_11358	chr13	28113068	28113397	-62058	Intergenic	NM_001003454	b3gat2	6.091049431	2.633437279	3.457612152	7.06E-08
peak_13407	chr9	18103295	18103968	148625	intron (NM_001128338, intron 39 of 44)	NM_001002190	rgcc	8.510105594	5.052856288	3.457249306	5.13E-07
peak_11664	chr19	5017499	5017821	-84960	Intergenic	NM_001100068	rragcb	5.873776418	2.416624254	3.457152165	9.55E-08
peak_8514	chr4	6978539	6979173	-28761	Intergenic	NM_001017823	phyh	7.372928379	3.915821692	3.457106687	2.15E-09
peak_17101	chr2	1945881	1946365	-24532	Intergenic	NM_200100	hig1	3.676353226	0.219835396	3.45651783	7.52E-06
peak_14441	chr12	29993472	29993865	77923	Intergenic	NM_001002515	cdk5r1b	6.43487034	2.978380984	3.456489356	1.21E-06
peak_10929	chr23	23840517	23840783	60650	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	5.723815645	2.267453635	3.456362011	4.53E-08
peak_5989	chr23	10506832	10507317	3958	intron (NM_001099237, intron 1 of 14)	NM_001099237	eif4ba	7.14124625	3.685229266	3.456016984	2.26E-11
peak_15531	chr14	2175969	2176446	48510	Intergenic	NM_201310	fbxw11a	6.427181529	2.971995988	3.455185542	2.68E-06
peak_19725	chr4	6549274	6549758	26510	exon (NM_001114883, exon 5 of 13)	NM_001114883	cald1b	6.487864225	3.033323799	3.454540426	3.51E-05
peak_4878	chr7	76298600	76299033	29980	Intergenic	NR_034276		8.004015837	4.549818773	3.454197064	1.63E-12
peak_18871	chr9	19416529	19417178	-30550	Intergenic	NM_001017832	gtf2f2b	8.334731133	4.880959151	3.453771982	2.21E-05
peak_17143	chr22	36108363	36108879	93277	Intergenic	NM_173274	dag1	7.310579731	3.85690535	3.45367438	7.70E-06
peak_13286	chr7	62731726	62732439	8930	intron (NM_001083551, intron 1 of 10)	NM_001083551	rbpjb	7.436394312	3.983228686	3.453165626	4.58E-07
peak_7125	chr1	18865408	18865672	-53709	Intergenic	NM_207071	mettl14	6.055051688	2.601935426	3.453116262	2.19E-10
peak_4621	chr22	22957058	22957478	129609	Intergenic	NM_131463	nr5a2	8.190494707	4.737380936	3.45311377	7.56E-13
peak_11450	chr13	5453580	5453948	160322	Intergenic	NM_213234	spred2b	6.0933053	2.640478376	3.452826924	7.82E-08
peak_6044	chr3	3024916	3025623	23588	Intergenic	NM_001098774	zgc:165583	8.111838478	4.659117102	3.452721375	2.65E-11
peak_12919	chr17	49361666	49361967	74433	Intergenic	NM_001076769	tfb1m	4.943100495	1.490687863	3.452412632	3.24E-07
peak_14910	chr25	9771594	9772285	-529780	Intergenic	NM_131385	rag2	8.487129146	5.035082672	3.452046474	1.69E-06
peak_7257	chr18	2154461	2154708	20128	intron (NM_207073, intron 1 of 10)	NM_207073	relt	5.748610487	2.297424682	3.451185805	2.84E-10
peak_13577	chr18	11430267	11430656	70023	Intergenic	NM_001013335	zgc:110789	6.370007366	2.919029648	3.450977718	5.90E-07
peak_9464	chr11	16690326	16690927	89026	intron (NM_001030143, intron 8 of 9)	NM_001030143	slc25a26	7.882659293	4.432702917	3.449956377	7.98E-09
peak_10010	chr7	28144368	28144644	19787	TTS (NM_001003484)	NM_201493	nucb2a	5.986846006	2.536974765	3.449871242	1.59E-08
peak_8219	chr8	26273850	26274099	1155	intron (NM_001114907, intron 1 of 6)	NM_001114907	kcnq2a	5.659872185	2.210402912	3.449469273	1.38E-09
peak_15153	chr25	13347995	13348788	-29880	Intergenic	NM_001122702	LOC569861	7.392864912	3.943522643	3.449342269	2.02E-06
peak_2452	chr11	46282746	46283999	-7568	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	9.308702742	5.859565993	3.449136749	1.18E-16
peak_14388	chr3	35862811	35863171	-34354	Intergenic	NM_001017817	crlf3	6.345820302	2.897448989	3.448371313	1.15E-06
peak_2892	chr18	17459530	17460595	14346	intron (NM_001080030, intron 1 of 7)	NM_001080030	si:ch211-216l23.:	9.47675146	6.029159921	3.447591539	1.26E-15

peak_11651	chr7	32609283	32609729	-99423	Intergenic	NM_001089326	ctdspl2b	5.900197442	2.453365883	3.446831559	9.47E-08
peak_14916	chr8	50364191	50364586	307623	Intergenic	NM_001128254	mfn2	6.6748226	3.228130858	3.446691742	1.69E-06
peak_16015	chr9	33109894	33110254	98	promoter-TSS (NM_001127305)	NM_001127305	pikfyve	5.119564041	1.673255946	3.446308095	3.80E-06
peak_9656	chr11	41946218	41946579	-13162	Intergenic	NM_001089510	tnfrsf1b	5.896880414	2.450697872	3.446182542	1.03E-08
peak_16767	chr23	29251675	29251970	-200450	Intergenic	NM_001002631	dffa	5.555037249	2.10908919	3.445948059	6.20E-06
peak_10885	chr2	16132909	16133233	-137140	Intergenic	NM_001017611	zgc:110269	4.946669565	1.500977555	3.445692009	4.36E-08
peak_23362	chr19	44164254	44164756	4816	intron (NM_001045053, intron 4 of 6)	NM_001045053	si:dkey-228a15.1	6.354728731	2.909201936	3.445526795	0.000195
peak_16255	chr16	40502136	40502718	-301012	Intergenic	NM_200570	selenbp1	7.556666247	4.111586299	3.445079948	4.43E-06
peak_5689	chr7	50726053	50726663	381832	Intergenic	NM_001020629	hrasb	8.113511145	4.668670655	3.444840489	1.18E-11
peak_11965	chr11	20992600	20992992	246128	intron (NM_131086, intron 3 of 16)	NM_131086	cdh4	6.82581269	3.381041673	3.444771017	1.30E-07
peak_21397	chr16	37787825	37788252	7323	intron (NM_001002299_1, intron 1 of 16)	NM_001040311	zgc:136683	6.108398356	2.663703566	3.44469479	8.14E-05
peak_10514	chr2	52821176	52821496	-60898	Intergenic	NM_001110833	ccdc94	6.107760887	2.663254075	3.444506812	2.75E-08
peak_17209	chr16	36659111	36659874	42963	intron (NM_200670, intron 3 of 14)	NM_200670	phactr4b	8.048154583	4.604877889	3.443276694	8.02E-06
peak_15411	chr16	55633172	55633481	-13407	Intergenic	NM_199647	pdcl	6.041410737	2.598440953	3.442969784	2.44E-06
peak_13582	chr4	19227789	19228187	22451	Intergenic	NM_001045155	dcp1b	6.751878154	3.3093614	3.442516754	5.92E-07
peak_11672	chr1	13264180	13264484	-3232	Intergenic	NM_001006042	fip1l1b	6.099768674	2.657593334	3.44217534	9.60E-08
peak_15325	chr7	61024562	61026036	152544	intron (NM_131550, intron 10 of 20)	NM_200097	brms1	8.738227074	5.296189817	3.442037257	2.31E-06
peak_3681	chr2	52926262	52927130	87876	Intergenic	NM_001045238	zgc:136336	9.118987505	5.678648197	3.440339307	3.10E-14
peak_8964	chr18	17486459	17487450	41238	intron (NM_001080030, intron 1 of 7)	NM_001080030	si:ch211-216l23.:	8.952251925	5.511957522	3.440294404	3.99E-09
peak_7724	chr1	928779	929615	-48650	Intergenic	NM_001002502	n6amt1	9.110833083	5.671032678	3.439800405	6.29E-10
peak_1565	chr16	27977860	27979618	-21643	Intergenic	NM_001128252	zgc:172162	9.475362214	6.037584022	3.437778192	2.06E-19
peak_13343	chr24	3230063	3230399	-4769	Intergenic	NM_213135	cyb5a	5.662479007	2.224746166	3.437732841	4.88E-07
peak_25658	chr14	21101712	21102184	-55903	Intergenic	NM_152963	fmr1	3.657311474	0.219835396	3.437476078	0.000488
peak_13727	chr23	20057373	20057961	-53306	Intergenic	NM_200027	rpl10	8.193656514	4.756247517	3.437408998	6.67E-07
peak_9054	chr7	50753756	50754319	354153	Intergenic	NM_001020629	hrasb	7.820370187	4.383014625	3.437355562	4.55E-09
peak_20765	chr4	2757669	2758132	58437	Intergenic	NM_213494	aebp2	6.250332464	2.813878962	3.436453502	6.01E-05
peak_14146	chr11	31524216	31524916	1576	intron (NM_001177445, intron 3 of 18)	NM_001177445	tpc3	7.143589609	3.708152502	3.435437107	9.46E-07
peak_20189	chr3	18712882	18713248	83643	Intergenic	NM_001004003	tnpo2	5.928693146	2.493469792	3.435223354	4.56E-05
peak_7961	chr18	47248464	47248816	11640	intron (NM_131424, intron 5 of 6)	NM_131424	clns1a	6.89614226	3.460925128	3.435217132	8.97E-10
peak_12666	chr14	48205091	48205468	-40925	Intergenic	NM_001030163	sfxn5b	6.380352505	2.945728427	3.434624078	2.54E-07
peak_11106	chr7	72537267	72537746	24016	Intergenic	NM_200899	myoz2a	7.15043316	3.716435175	3.433997985	5.52E-08
peak_4001	chr2	3780002	3780941	85342	Intergenic	NM_001045363	wnt9a	8.981889787	5.548432775	3.433457011	1.05E-13
peak_7601	chr21	17744487	17744898	4262	TTS (NM_001282393)	NM_001282393	LOC101885505	6.488613213	3.055593476	3.433019737	5.10E-10
peak_9412	chr9	8866378	8866838	84768	Intergenic	NM_212771	rab20	7.235939734	3.803501165	3.432438569	7.47E-09
peak_9445	chr25	8280421	8281022	12781	intron (NM_001135043, intron 1 of 10)	NM_001135043	camk1db	7.324524547	3.892124501	3.432400046	7.81E-09
peak_6725	chr14	46235880	46236371	-376265	Intergenic	NM_200975	gar1	8.027530743	4.595645922	3.431884821	1.04E-10
peak_8065	chr23	15947268	15947991	134636	Intergenic	NM_001002371	eef1a2	8.176929005	4.745092904	3.431836101	1.08E-09
peak_13330	chr18	17569581	17570417	-90056	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	7.38840255	3.956574027	3.431828523	4.80E-07
peak_3711	chr18	48567784	48568294	-259511	Intergenic	NM_001045317	mob2b	7.834535847	4.402839805	3.431696043	3.45E-14
peak_6702	chr12	16628483	16628983	115056	Intergenic	NM_001162849	nmt1b	7.224492546	3.792801887	3.431690659	9.88E-11
peak_22369	chr18	49435906	49436992	54233	Intergenic	NM_001080621	zgc:158464	7.950966744	4.519589429	3.431377315	0.000129
peak_13670	chr25	15853761	15854011	-151163	Intergenic	NM_131517	spon1b	4.795374608	1.364650599	3.430724009	6.40E-07
peak_12559	chr2	25510492	25511288	-15737	Intergenic	NM_001159832	fndc3ba	7.495703172	4.065175504	3.430527668	2.31E-07
peak_16991	chr11	44221444	44221779	-46278	Intergenic	NM_212914	foxg1b	6.283516775	2.853264999	3.430251776	7.01E-06
peak_18526	chr6	6202159	6202748	9821	intron (NM_001089324, intron 7 of 13)	NM_001089324	mtif2	6.990471432	3.560297382	3.43017405	1.81E-05
peak_7206	chr1	18703746	18704089	107914	Intergenic	NM_207071	mettl14	6.03165844	2.601935426	3.429723014	2.58E-10
peak_9596	chr17	45891893	45892410	9596	Intergenic	NM_001161375	arf6b	7.499238673	4.069847556	3.429391117	9.55E-09
peak_16976	chr8	17656307	17656579	-6458	Intergenic	NM_001083560	zgc:162295	5.601617815	2.172505924	3.429111891	6.94E-06
peak_3517	chr13	6777722	6778503	67491	Intergenic	NM_001144794	exoc3l4	8.612566031	5.185447531	3.4271185	1.62E-14
peak_3996	chr25	4425086	4425654	-113815	Intergenic	NM_131786	cry3	7.83008143	4.403170971	3.426910458	1.04E-13
peak_13557	chr11	35329238	35329635	80293	Intergenic	NM_001037377	pfkfb4	5.753940462	2.327531544	3.426408918	5.80E-07
peak_13625	chr17	50450306	50450686	59040	Intergenic	NM_001032728	cox7a2a	4.993783045	1.567723154	3.42605989	6.18E-07
peak_19766	chr11	2037257	2037742	-4418	intron (NM_200495, intron 6 of 12)	NM_001083310	rargb	7.220959919	3.795147227	3.425812693	3.59E-05
peak_8306	chr4	14314656	14315057	-145818	intron (NM_001004495, intron 16 of 30)	NM_131680	nrf1	6.227593632	2.802048421	3.425545211	1.60E-09
peak_12322	chr18	21998916	21999729	-9153	Intergenic	NM_001045108	fam65a	8.05388906	4.628355199	3.42553386	1.83E-07
peak_17241	chr3	58369177	58369430	-25092	Intergenic	NM_214682	cyth1a	5.5810438	2.155703238	3.425340562	8.23E-06
peak_18611	chr16	23936663	23936972	13613	Intergenic	NM_001080986	si:ch211-154o6.4	5.936294839	2.511004382	3.425290457	1.89E-05
peak_10592	chr16	21135580	21136424	149099	Intergenic	NM_001098779	rapgef5b	8.124827836	4.699580008	3.425247829	3.04E-08
peak_17070	chr7	61743673	61744144	7080	intron (NM_001201360, intron 1 of 6)	NM_001201360	LOC799556	8.077248348	4.653367206	3.423881142	7.34E-06
peak_4829	chr15	34513557	34514091	-5158	exon (NM_001030260, exon 3 of 5)	NM_199835	agfg1a	8.16792764	4.744103318	3.423824322	1.39E-12
peak_18475	chr25	13329077	13329559	-10807	Intergenic	NM_001122702	LOC569861	6.896326834	3.472802025	3.423524808	1.76E-05
peak_13251	chr6	54469082	54469843	-7718	Intergenic	NR_029981		7.71228696	4.288803903	3.423483056	4.40E-07
peak_17198	chr14	30202382	30202602	-442539	Intergenic	NM_001045414	zgc:153146	3.64320069	0.219835396	3.423365295	7.98E-06
peak_3866	chr17	51245958	51246836	14402	intron (NM_001256215, intron 2 of 15)	NM_001256215	fermt2	9.28509087	5.862655254	3.422435616	6.63E-14
peak_3088	chr2	35344768	35345670	20732	Intergenic	NM_201308	plk3	8.985754647	5.564098708	3.421655939	2.82E-15
peak_17328	chr6	47826219	47826685	39350	Intergenic	NM_200112	padi2	6.798143102	3.378090512	3.42005259	8.67E-06
peak_8060	chr1	43917152	43917465	149764	Intergenic	NM_001002577	suclg1	5.462600828	2.04267636	3.419924467	1.07E-09
peak_6650	chr5	50062099	50062842	-19534	Intergenic	NM_001130962	mef2cb	8.493569776	5.074066226	3.41950355	8.96E-11
peak_7719	chr6	38574508	38575239	-129397	Intergenic	NM_001007318	ube3a	7.926701363	4.507442998	3.419258365	6.23E-10
peak_12357	chr6	20654929	20655350	-350110	Intergenic	NM_178131	scinla	7.322198876	3.903013757	3.419185119	1.91E-07
peak_10900	chr23	29705662	29706072	42488	intron (NM_194382, intron 7 of 46)	NM_194382	kif1b	6.644752399	3.225582451	3.419169948	4.43E-08
peak_11349	chr14	1323852	1324340	138	5' UTR (NM_001128574, exon 1 of 6)	NM_001128574	il21	6.558526681	3.139609593	3.418917088	6.99E-08
peak_14850	chr10	6474410	6474761	-34710	Intergenic	NM_001128757	zgc:194281	6.369194182	2.950553134	3.418641049	1.63E-06
peak_21048	chr7	35488086	35489401	5212	intron (NM_131571, intron 1 of 8)	NM_131571	smad3a	9.331731667	5.913095192	3.418636476	6.87E-05
peak_7848	chr3	761064	761349	-27272	Intergenic	NM_200640	kdelr3	5.995507079	2.577040496	3.418466583	7.45E-10
peak_8454	chr4	48341691	48342304	556413	Intergenic	NM_001122615	zgc:174646	7.771181803	4.352803173	3.41837863	1.98E-09
peak_6401	chr15	46450751	46451872	8163	intron (NM_001039804, intron 5 of 14)	NM_001039804	inppl1a	8.014896411	4.596614305	3.418282106	5.54E-11
peak_16769	chr5	15658834	15659560	283587	Intergenic	NM_001171697	npffr1l2	7.998858018	4.580744544	3.418113474	6.21E-06
peak_9036	chr1	15433347	15433714	-2670	Intergenic	NM_001017793	zgc:112426	6.55970608	3.141890403	3.417815677	4.39E-09
peak_6601	chr23	7515290	7515731	62145	Intergenic	NM_131235	gata5	7.980838186	4.563118074	3.417720113	8.13E-11
peak_5222	chr12	50501235	50502264	-30333	intron (NM_001291882, intron 2 of 3)	NM_001039837_1		7.669096162	4.251734861	3.4173613	3.95E-12
peak_13856	chr24	6040436	6041015	21867	intron (NM_200738, intron 1 of 9)	NM_200738	abi1a	7.282403856	3.865151457	3.417252399	7.45E-07
peak_15695	chr20	19242062	19242477	-6850	Intergenic	NM_001030220	blk	6.692185747	3.275122829	3.417062918	3.05E-06
peak_18862	chr8	2879374	2879683	-55961	Intergenic	NM_001039998	sh3glb2a	6.320395702	2.903716645	3.416679057	2.20E-05
peak_14885	chr4	57738818	57739168	-353680	Intergenic	NM_001030146_1	si:ch211-238e22.	4.462131255	1.045780477	3.416350779	1.66E-06
peak_15062	chr20	13958814	13959220	9840	intron (NM_212845, intron 1 of 9)	NM_212845	rhag	6.539007868	3.122682644	3.416325224	1.90E-06
peak_11351	chr10	10036483	10036863	258777	Intergenic	NR_029938		5.976387689	2.560443092	3.415944596	7.03E-08
peak_12843	chr3	58355833	58356178	-11794	Intergenic	NM_214682	cyth1a	6.782850217	3.367460422	3.415389795	3.00E-07
peak_4650	chr15	22716758	22717071	13177	Intergenic	NM_001029953	c1qtnf5	6.705134232	3.29005706	3.415077172	8.05E-13
peak_12891	chr23	20732646	20732938	12694	TTS (NM_212643)	NM_212643	slc35c2	5.635260365	2.220512599	3.414747765	3.14E-07
peak_13370	chr7	56776203	56776437	26671	Intergenic	NM_200668	aprt	5.518939677	2.104831477	3.4141082	4.98E-07
peak_1823	chr13	30900006	30901078	23518	intron (NM_001009985, intron 4 of 10)	NM_001009985	rassf4	9.844968354	6.431628514	3.413339841	1.50E-18
peak_15462	chr25	13534083	13534412	18606	Intergenic	NM_199604	map1lc3b	4.122091483	0.709096771	3.412994711	2.54E-06
peak_10714	chr12	27551500	27551727	42880	intron (NM_001004585, intron 3 of 12)	NM_001004585	bmpr1ab	5.89724935	2.484310044	3.412939306	3.51E-08
peak_7622	chr8	34820030	34820571	86006	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	7.847031192	4.435411644	3.411619548	5.34E-10
peak_5472	chr8	8479477	8480270	-111046	Intergenic	NM_001111186	abcd1	8.69899506	5.287617889	3.411377171	7.18E-12
peak_1509	chr9	56238071	56238693	-36494	Intergenic	NM_001002457	egfl6	9.527945611	6.116634381	3.411311231	1.23E-19
peak_12185	chr11	39767947	39768241	-50	promoter-TSS (NM_001098195)	NM_001098195	slc45a3	6.000666855	2.589891108	3.410775747	1.60E-07
peak_20004	chr23	13813470	13814028	97541	Intergenic	NR_030650		5.854102284	2.443352351	3.410749933	4.14E-05
peak_4866	chr15	13931520	13931937	-55621	Intergenic	NM_001089327	zgc:162193	7.236102594	3.825559017	3.410543576	1.59E-12
peak_10326	chr19	30135859	30136615	123574	Intergenic	NM_001102573	ctgfb	8.705344933	5.294930924	3.410414008	2.25E-08
peak_16223	chr6	34507762	34508306	-123403	Intergenic	NM_199274	rgs4	7.77058369	4.3604649	3.41011879	4.35E-06
peak_7975	chr17	16124485	16124916	41098	Intergenic	NM_001030264	hmbox1a	6.037045147	2.627226073	3.409819074	9.18E-10
peak_3412	chr24	32684231	32685005	93007	Intergenic	NM_001002229	snx7	9.848131678	6.438327285	3.409804393	1.09E-14
peak_6731	chr9	9199975	9200756	31250	Intergenic	NM_001126383	si:ch211-235e18.	8.773961494	5.364933409	3.409028084	1.05E-10

peak_15848	chr12	14207981	14208335	-16507	Intergenic	NM_131014	cmn	6.364131965	2.955978838	3.408153127	3.38E-06
peak_20793	chr21	36169679	36170032	182855	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	6.355534443	2.947440377	3.408094066	6.09E-05
peak_22577	chr2	3922288	3922629	-8256	Intergenic	NM_001076635	iba57	6.124299367	2.716259194	3.408040173	0.00014
peak_15774	chr8	48431364	48431761	44190	exon (NM_001077211, exon 17 of 59)	NM_001077211	mtor	7.052394255	3.64436334	3.408030915	3.22E-06
peak_17616	chr2	6436155	6436694	-154252	Intergenic	NM_001017821	rgs5b	6.803906913	3.396442141	3.407464772	1.07E-05
peak_13416	chr19	11773797	11774392	31371	intron (NM_205759, intron 2 of 6)	NM_205759	eepd1	7.450703294	4.043280728	3.407422566	5.17E-07
peak_18898	chr4	7728891	7729493	-138794	Intergenic	NM_130937	wnt5b	6.997391102	3.589978457	3.407412645	2.24E-05
peak_25341	chr7	21396492	21397437	-21081	Intergenic	NM_212648	dvl2	7.822896987	4.416096675	3.406800312	0.000439
peak_13271	chr9	5619965	5620272	-257570	Intergenic	NM_001037685	abhd13	6.203859474	2.797173329	3.406686145	4.53E-07
peak_21787	chr12	9398215	9398581	74456	Intergenic	NM_001002613	nrbf2b	6.015756074	2.609160782	3.406595292	9.83E-05
peak_8444	chr5	12773904	12774468	122991	Intergenic	NM_001128707	nf2a	7.122537272	3.715948903	3.406588369	1.95E-09
peak_12665	chr14	3033914	3034495	37205	intron (NM_001024201_1, intron 1 of 2)	NM_001024201_1	pcdh2g29	8.144988362	4.739897154	3.405091208	2.54E-07
peak_16855	chr23	33770144	33770580	1467	intron (NM_001004288, intron 1 of 29)	NM_001004288	itga5	6.061649929	2.656775183	3.404874746	6.49E-06
peak_4951	chr1	7735413	7736404	-7203	Intergenic	NM_131031	actb1	8.463978544	5.059305255	3.404673288	1.93E-12
peak_6879	chr3	26035749	26036109	-3121	Intergenic	NM_001017538	nubp1	7.179451541	3.775066081	3.404385461	1.37E-10
peak_5936	chr12	35777827	35778159	37815	exon (NM_001245968, exon 23 of 23)	NM_001245968	sec24c	6.381144037	2.976938383	3.404205655	2.03E-11
peak_10735	chr23	2512789	2513073	14069	Intergenic	NM_130989	snai1b	5.494247726	2.09056475	3.403682976	3.59E-08
peak_10280	chr20	36780555	36780912	43856	Intergenic	NM_001030275	ptrhd1	5.551263923	2.148493422	3.402770501	2.15E-08
peak_5317	chr20	13560017	13560579	-4926	Intergenic	NM_001089395	rsph3	7.782033853	4.379852854	3.402180999	4.93E-12
peak_20559	chr3	51047844	51048336	-248224	Intergenic	NM_207063	asf1ba	7.177621434	3.775845126	3.401776308	5.48E-05
peak_11140	chr4	639232	639713	-33068	Intergenic	NM_001114983	sobpb	6.649797181	3.248154951	3.401642231	5.73E-08
peak_10116	chr23	37090182	37090625	93666	Intergenic	NM_001020621	cpsf3l	7.541259112	4.139992357	3.401266755	1.77E-08
peak_17294	chr13	22778744	22779151	7399	intron (NM_001145706, intron 1 of 7)	NM_001145706	mmrn2a	7.508352192	4.107891793	3.400460399	8.49E-06
peak_11594	chr8	26412940	26413508	45250	Intergenic	NM_213456	stk38a	8.505198554	5.104958821	3.400239733	9.01E-08
peak_26289	chr23	44307791	44308281	-396	promoter-TSS (NM_001114743_1)	NM_001114743_1	tec	3.620037365	0.219835396	3.400201969	0.000608
peak_16075	chr13	49081857	49082326	-247425	Intergenic	NM_001159668	fbxo11a	7.624683729	4.22461089	3.400072839	3.95E-06
peak_11134	chr18	10355766	10356261	-21684	Intergenic	NM_001020699	ttc38	6.181849799	2.781809777	3.400040023	5.68E-08
peak_18130	chr8	10763452	10763729	151070	Intergenic	NM_001077391	zgc:153997	5.629916529	2.229879429	3.4000371	1.47E-05
peak_2779	chr14	49635735	49636231	-83940	intron (NM_131314, intron 6 of 8)	NM_001115143	prom1a	7.769973577	4.370347208	3.399626368	6.96E-16
peak_15809	chr5	60119294	60119929	-14710	Intergenic	NM_001135982	zgc:194948	4.108061062	0.709096771	3.398964291	3.29E-06
peak_5738	chr1	12494488	12494967	-338855	Intergenic	NM_001115058	pcdh18a	7.268178158	3.869826912	3.398351246	1.31E-11
peak_7437	chr23	3283015	3283946	140075	Intergenic	NM_131015	mafba	8.146079872	4.747842574	3.398237299	3.86E-10
peak_19434	chr12	37472441	37472734	73578	Intergenic	NM_001278802	kcnj2a	5.765730906	2.367686229	3.398044677	2.97E-05
peak_13020	chr17	31039050	31039436	-4162	exon (NM_001193598, exon 22 of 22)	NM_199519	evla	6.089417098	2.691613311	3.397803787	3.61E-07
peak_18295	chr23	45870318	45871079	38198	intron (NM_130919_1, intron 3 of 3)	NM_001001826	zgc:85866	6.316263055	2.91850983	3.397753225	1.61E-05
peak_1787	chr5	74788229	74790365	45521	Intergenic	NM_001003993	ak1	10.55104059	7.153759496	3.397281089	1.12E-18
peak_16654	chr17	26561029	26561469	1413	intron (NM_213351, intron 1 of 5)	NM_213351	calm1a	6.698139089	3.300878003	3.397261086	5.76E-06
peak_12782	chr16	12845231	12845631	-100845	Intergenic	NM_131390	gsk3ab	5.94559977	2.548371399	3.397228371	2.84E-07
peak_6655	chr7	36043035	36043317	-32029	Intergenic	NM_001113472	slc9a5	6.23346666	2.836527071	3.396939589	9.03E-11
peak_18565	chr11	13738118	13738470	24340	Intergenic	NM_199939	arrdc2	6.254098871	2.857299846	3.396799024	1.84E-05
peak_18543	chr7	43288605	43288914	-324880	Intergenic	NM_131063	shha	6.107760887	2.711809328	3.39595156	1.82E-05
peak_15604	chr11	190363	191416	-273	promoter-TSS (NM_001077777_1)	NM_001077777_1	cdk4	7.536397859	4.140689047	3.395708812	2.80E-06
peak_22838	chr9	1134112	1134584	97255	Intergenic	NM_001110451	stk24a	7.647818841	4.252200537	3.395618304	0.000157
peak_23364	chr19	23481355	23482176	-3766	intron (NM_001166323, intron 74 of 76)	NM_130987	gdf6b	6.895588396	3.500013668	3.395574728	0.000195
peak_10642	chr12	20340022	20340720	44354	Intergenic	NM_212632	slc16a8	8.474364476	5.078900582	3.395463894	3.29E-08
peak_17480	chr3	54183399	54184077	13692	intron (NM_131549, intron 4 of 32)	NM_131549	notch3	7.789821631	4.395223455	3.394598176	9.60E-06
peak_12135	chr11	31333824	31334243	-55211	Intergenic	NM_001076640	tmem178	6.259865198	2.865311387	3.394553812	1.53E-07
peak_10070	chr16	25564059	25564755	21220	Intergenic	NM_001012497	slc50a1	8.455916824	5.061478786	3.394438039	1.68E-08
peak_21870	chr19	39027830	39028198	20507	intron (NM_001044714, intron 3 of 9)	NM_001044714	dlgap3	6.058024631	2.663703566	3.394321065	0.000102
peak_12804	chr6	18499013	18499351	-118751	exon (NM_001089402, exon 13 of 15)	NM_001007769	grb2a	5.982659603	2.588796055	3.393863547	2.91E-07
peak_15702	chr21	12550293	12550539	343800	Intergenic	NM_001172564	ehmt1b	5.300401316	1.907116997	3.393284318	3.06E-06
peak_17308	chr1	37222253	37222975	11325	Intergenic	NM_001145240	scpp1	7.089435934	3.696201018	3.393234916	8.57E-06
peak_9767	chr23	33422399	33422659	-81415	Intergenic	NR_029935		5.825630178	2.432851422	3.392778756	1.19E-08
peak_19046	chr17	33142326	33142745	-73527	Intergenic	NM_131405	prox1a	6.503257412	3.110509933	3.392747479	2.44E-05
peak_11519	chr19	25590284	25590731	8818	intron (NM_213181, intron 2 of 4)	NM_213181	ptp4a3	5.949539232	2.556959386	3.392579846	8.36E-08
peak_3400	chr19	19323512	19323946	-21740	Intergenic	NM_001103116	ube2e1	7.309186009	3.916728919	3.39245709	1.05E-14
peak_6686	chr9	46226458	46227124	165155	Intergenic	NM_001040004	retsatl	8.648553619	5.256121277	3.392432342	9.56E-11
peak_5300	chr11	19371966	19372504	78778	intron (NM_001007063, intron 1 of 21)	NM_001007063	magi1b	8.115163372	4.722744275	3.392419097	4.85E-12
peak_27987	chr4	5210873	5211834	-3508	intron (NM_213421, intron 4 of 5)	NM_001013331	zgc:113263	8.466488687	5.074361637	3.39212705	0.0011
peak_8015	chr1	41349688	41350174	25258	Intergenic	NM_207639	adra2c	7.79330631	4.401457892	3.391848418	9.81E-10
peak_9125	chr2	30112605	30113111	18376	Intergenic	NM_200470	crispld1b	8.587187037	5.195785605	3.391401432	4.98E-09
peak_13635	chr25	36637654	36638134	-3093	Intergenic	NM_001045416	spi1a	6.44299439	3.051671652	3.391322738	6.24E-07
peak_11563	chr24	19895700	19895999	136162	exon (NM_001089499, exon 10 of 13)	NM_001089499	zgc:162928	5.530457231	2.139187264	3.391269967	8.76E-08
peak_25394	chr2	52887828	52889068	126124	Intergenic	NM_001045238	zgc:136336	8.049819728	4.658769392	3.391050336	0.000448
peak_16691	chr20	35307372	35307836	27560	intron (NM_200108_1, intron 2 of 11)	NM_200108_1	znf395	6.468834169	3.078031201	3.390802968	5.92E-06
peak_22548	chr25	34660676	34661058	174661	Intergenic	NM_001172680	zgc:136826	6.688140383	3.297567914	3.39057247	0.000138
peak_9796	chr12	19424065	19424444	16207	Intergenic	NM_001082821	atpaf2	6.958072879	3.56813889	3.389933989	1.24E-08
peak_12422	chr14	28228563	28228996	417686	Intergenic	NM_001110457	klhl4	5.83877329	2.449199524	3.389573765	2.04E-07
peak_17326	chr2	23447002	23447432	-14587	intron (NM_001128248, intron 6 of 7)	NM_001080004	zgc:154006	6.889296369	3.49973474	3.389561629	8.65E-06
peak_8461	chr5	12520465	12521013	24777	Intergenic	NM_001020677	zgc:112294	7.763488949	4.373993705	3.389495244	1.99E-09
peak_2750	chr2	50414906	50415408	15785	exon (NM_001076601, exon 7 of 7)	NM_001076601	blvra	8.084170119	4.695166522	3.389003597	5.80E-16
peak_16665	chr4	9092264	9092706	118715	Intergenic	NM_001045158	sbf1	7.127752917	3.739649836	3.388103081	5.81E-06
peak_5538	chr15	14044056	14044544	26856	Intergenic	NM_001030247	zgc:114130	7.779134155	4.391083966	3.388050189	8.35E-12
peak_24335	chr11	44119871	44120891	-147508	Intergenic	NM_212914	foxg1b	8.140614045	4.752969933	3.387644111	0.000297
peak_17235	chr2	53051388	53051767	32740	intron (NM_130911, intron 2 of 6)	NM_130911	chico	6.697939688	3.310636492	3.387303196	8.21E-06
peak_4359	chr5	23932422	23933348	16182	intron (NM_001004296, intron 1 of 13)	NM_001004296	msna	9.238457717	5.851164144	3.387293573	3.27E-13
peak_11891	chr12	34553030	34553636	197171	Intergenic	NM_130982	nog3	7.265322777	3.878129004	3.387193774	1.20E-07
peak_18590	chr15	23196004	23196518	57871	Intergenic	NM_001001833	ift20	7.001363444	3.614300675	3.387062769	1.87E-05
peak_12182	chr12	37888231	37888584	172796	Intergenic	NM_001110465	dnai2a	5.720042356	2.333336808	3.386705548	1.60E-07
peak_19646	chr2	33039195	33039546	-5042	Intergenic	NM_131723	klf17	5.753940462	2.367686229	3.386254233	3.38E-05
peak_13000	chr1	28553423	28553828	45090	exon (NM_001114714, exon 5 of 5)	NM_001114714	si:dkey-1h24.2	6.851428109	3.465556757	3.385871352	3.52E-07
peak_21758	chr24	31635201	31636564	-42973	Intergenic	NM_001013562	ptbp2a	8.262445027	4.87704461	3.385400417	9.70E-05
peak_11961	chr4	11965531	11965794	13011	intron (NM_001002094, intron 3 of 7)	NM_001002094	msrb3	5.718372993	2.333336808	3.385036185	1.30E-07
peak_6734	chr1	273685	274117	-45096	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	7.089113018	3.704099338	3.38501368	1.06E-10
peak_13216	chr2	25115579	25116154	-206261	Intergenic	NM_001002303	nceh1a	7.020834186	3.63608748	3.384746706	4.27E-07
peak_12560	chr9	43459366	43459743	31955	intron (NM_001004010, intron 1 of 12)	NM_001004010	calcrla	6.511247402	3.12666281	3.384584592	2.31E-07
peak_8630	chr20	7848512	7848880	86629	Intergenic	NM_001244756	bloc1s2	6.384569	3.000040119	3.384528881	2.45E-09
peak_16865	chr15	4167313	4167997	113126	Intergenic	NM_131670	atp1b3b	8.602127105	5.217780385	3.38434672	6.51E-06
peak_13441	chr1	51844102	51844396	-72111	Intergenic	NM_213499	actr2a	5.762875827	2.378922404	3.383953423	5.28E-07
peak_12619	chr14	18785383	18785768	43897	Intergenic	NM_001256193	slbp	6.524723878	3.141305599	3.383418279	2.42E-07
peak_2480	chr3	58332024	58333161	11619	intron (NM_214682, intron 1 of 13)	NM_214682	cyth1a	10.45826105	7.074906041	3.383355011	1.35E-16
peak_11462	chr4	20183201	20183605	41431	intron (NM_001002463, intron 1 of 6)	NM_001002463	syt1a	6.346631003	2.963324524	3.383306479	7.93E-08
peak_9774	chr9	54310704	54311205	-95960	Intergenic	NM_001017360	xrcc5	7.781739983	4.399177009	3.382562974	1.20E-08
peak_8909	chr18	33014138	33014506	72576	Intergenic	NM_001045019	tiparp	5.782650538	2.401115082	3.381535456	3.68E-09
peak_25772	chr11	22820163	22820885	76571	intron (NM_001199491, intron 2 of 17)	NM_001199491	foxp4	7.605242117	4.223810523	3.381431594	0.000509
peak_9129	chr3	49759718	49760345	12215	intron (NM_201307, intron 2 of 14)	NM_201307	ndel1b	9.125466996	5.744186256	3.381280739	4.99E-09
peak_3600	chr5	58020107	58020637	-97334	Intergenic	NM_001102384	tbx2a	7.169684819	3.788689991	3.380994828	2.24E-14
peak_11955	chr7	35053544	35054063	-35530	Intergenic	NM_131780	gro1	5.796584832	2.41562392	3.380960911	1.29E-07
peak_19526	chr11	35739006	35740305	16107	intron (NM_001001818, intron 1 of 8)	NM_001001818	gnai2a	9.107406838	5.726481605	3.380925233	3.15E-05
peak_6131	chr18	49082818	49083766	-49795	Intergenic	NM_001079949	si:dkey-105e17.1	8.323773947	4.942912256	3.380861691	3.27E-11
peak_19028	chr18	48844348	48844857	17052	intron (NM_001045317, intron 1 of 4)	NM_001045317	mob2b	6.709750297	3.329089715	3.380660582	2.42E-05
peak_15736	chr7	21532925	21534106	-37871	Intergenic	NM_001128789	zgc:194312	8.889187404	5.509084925	3.380102478	3.12E-06
peak_10210	chr3	27305345	27306309	126927	Intergenic	NM_001004119	emp2	8.649146555	5.269625396	3.37952116	1.96E-08
peak_2710	chr7	69199718	69200981	-49932	Intergenic	NM_001007441	znf143a	10.25801393	6.87882147	3.379192457	4.70E-16
peak_2546	chr18	39799741	39800346	-36169	intron (NM_212831, intron 12 of 13)	NM_001128730	si:ch211-203b8.6	8.273382994	4.894330708	3.379052286	1.87E-16

peak_18059	chr11	3938563	3939319	-16298	Intergenic	NM_131233	gata2a	6.90113895	3.52238983	3.37874912	1.41E-05
peak_10906	chr17	47143446	47143984	827097	Intergenic	NM_001006009	zgc:103755	6.700043493	3.322790296	3.377253197	4.45E-08
peak_2351	chr12	16631627	16632869	118571	Intergenic	NM_001162849	nmt1b	9.641995226	6.264976289	3.377018937	6.42E-17
peak_15799	chr8	50605750	50606398	-156183	Intergenic	NM_001128741	zgc:195023	8.179366853	4.802604224	3.376762629	3.27E-06
peak_11415	chr16	48428176	48428881	26832	TTS (NM_001115093)	NM_001114738	dnase2	8.026340795	4.650160894	3.376179901	7.53E-08
peak_12281	chr1	3953345	3953907	-219623	Intergenic	NM_001003842	spry2	5.639677051	2.264418289	3.375258762	1.76E-07
peak_3812	chr2	15629005	15629624	195968	Intergenic	NM_213011	amy2a	7.987722542	4.612543968	3.375178574	5.25E-14
peak_9099	chr15	24960529	24960851	-9443	Intergenic	NM_001037370	tsr1	6.06133994	2.68654882	3.37479112	4.81E-09
peak_6642	chr20	52539485	52540075	-846	promoter-TSS (NM_212701)	NM_212701	hlx1	8.680204852	5.305429917	3.374774935	8.87E-11
peak_15013	chr23	17387324	17387769	-4190	Intergenic	NM_001080652	zgc:158791	7.498509368	4.124019733	3.374489635	1.81E-06
peak_15418	chr6	10718884	10719337	20760	Intergenic	NM_131445	chrna1	6.310425066	2.936598729	3.373826337	2.45E-06
peak_24641	chr2	43489521	43490039	-80579	Intergenic	NM_205674	nrp1b	7.456723253	4.08332472	3.373398533	0.000336
peak_10953	chr21	11970254	11970581	-16942	Intergenic	NM_001128783	npdc1a	5.866214099	2.492932336	3.373281763	4.64E-08
peak_19972	chr23	14002298	14002677	-50093	Intergenic	NM_213334	naa10	6.183683377	2.811801306	3.371882071	4.06E-05
peak_7737	chr9	44700350	44700664	16797	exon (NM_001077569, exon 6 of 21)	NM_001077569	cwc22	6.239007846	2.867573417	3.371434429	6.40E-10
peak_16411	chr7	34331532	34332404	25881	intron (NM_131518, intron 2 of 7)	NM_131518	cd81	7.865387804	4.493989222	3.371398581	4.94E-06
peak_7088	chr8	28310493	28310817	-27342	Intergenic	NM_001130795	si:ch211-254n4.3	7.319570119	3.948367143	3.371202976	2.05E-10
peak_12976	chr8	54122851	54123148	88777	intron (NM_001245969, intron 36 of 43)	NM_001245969	cabin1	5.189453875	1.818582626	3.370871249	3.44E-07
peak_13359	chr8	31852050	31852570	-4019	Intergenic	NM_200280	ptgesl	6.635702642	3.264901471	3.370801171	4.94E-07
peak_16381	chr25	16769343	16769824	56411	intron (NM_212847, intron 6 of 13)	NM_212847	tead1a	7.537351894	4.167399773	3.369952121	4.83E-06
peak_15949	chr6	55297918	55298211	7552	exon (NM_200550, exon 9 of 11)	NM_200550	ctsa	6.143745093	2.773882583	3.36986251	3.62E-06
peak_22770	chr7	34783432	34783991	-8013	Intergenic	NM_001003573	paqr5b	6.91654024	3.546786708	3.369753532	0.000152
peak_6251	chr6	36039510	36040190	-120431	Intergenic	NM_001102618	rhcg2a	7.178996445	3.809417116	3.369579329	4.18E-11
peak_4088	chr16	15634245	15634683	-891	promoter-TSS (NM_001246200)	NM_001246200	atg12	8.034852498	4.665536623	3.369315875	1.37E-13
peak_11318	chr5	45307244	45307789	-6004	Intergenic	NM_001126415	si:dkey-40c11.1	7.523402993	4.154094361	3.369308632	6.79E-08
peak_4728	chr3	27866167	27866690	1650	intron (NM_201157, intron 1 of 6)	NM_201157	arhgdig	7.269595419	3.900703204	3.368892215	1.01E-12
peak_4883	chr18	14552299	14552945	-24712	Intergenic	NM_001104939	mlc1	8.432442951	5.063850391	3.36859256	1.65E-12
peak_12092	chr7	30178454	30178731	117389	Intergenic	NM_205552	ccdc102a	5.948471564	2.580158886	3.368312678	1.46E-07
peak_16919	chr7	34215639	34215958	14315	intron (NM_001079983, intron 1 of 18)	NM_001079983	ano5b	6.582650403	3.214347417	3.368302986	6.74E-06
peak_14852	chr16	29534341	29535280	-38812	Intergenic	NM_001172629	nr4a3	7.987014278	4.619154448	3.367859831	1.63E-06
peak_17082	chr15	2348556	2349024	-62253	intron (NM_212947, intron 6 of 10)	NM_001105110	hephl1	6.958956757	3.591654092	3.367302665	7.39E-06
peak_14675	chr4	6752217	6752747	-9035	Intergenic	NM_213286	lta4h	7.016415696	3.64915928	3.367256416	1.43E-06
peak_17238	chr14	32502852	32503118	14124	intron (NM_001098256, intron 10 of 15)	NM_001098256	slc9a6a	5.444509808	2.077505579	3.367004229	8.21E-06
peak_16693	chr25	1225874	1226208	19093	Intergenic	NM_213027	zgc:73185	4.26992192	0.902938058	3.366983862	5.93E-06
peak_9759	chr18	21966451	21967300	-41600	Intergenic	NM_001045108	fam65a	7.376909789	4.009941486	3.366968303	1.18E-08
peak_12168	chr22	38485920	38487146	94888	Intergenic	NM_001113587	hykk.2	8.313838804	4.946989725	3.366849079	1.58E-07
peak_10114	chr10	38646968	38647308	168904	Intergenic	NM_001077461	cuedc1a	5.944172143	2.577341443	3.3668307	1.76E-08
peak_11323	chr19	16700718	16701026	8303	intron (NM_001045114, intron 2 of 3)	NM_001045114	si:ch211-30b16.2	5.50251599	2.13590992	3.36660607	6.82E-08
peak_15431	chr6	27848818	27849612	-64651	Intergenic	NM_131496	smx5	8.307660264	4.941095393	3.36656487	2.48E-06
peak_1460	chr2	1026770	1028061	36156	Intergenic	NM_001122710	irf4a	10.27628601	6.910005976	3.366280036	7.61E-20
peak_5752	chr5	46690998	46691758	64834	Intergenic	NM_130952	dmrt2a	9.104120596	5.738022592	3.366098004	1.34E-11
peak_21408	chr16	6580788	6581381	86223	Intergenic	NM_001020563	echdc1	7.394172506	4.028236255	3.365936251	8.17E-05
peak_11775	chr12	11682668	11682980	-19433	Intergenic	NM_001003834	top2a	5.950961561	2.585033203	3.365928357	1.07E-07
peak_6462	chr22	38387800	38388245	-3623	Intergenic	NM_001113587	hykk.2	7.304742989	3.939481457	3.365261532	6.20E-11
peak_2757	chr20	18380686	18381576	-21379	Intergenic	NM_213166	psma8	8.629309157	5.264106595	3.365202563	5.93E-16
peak_4239	chr5	15741159	15741690	201360	Intergenic	NM_001171697	npffr1l2	8.487993846	5.122948662	3.365045184	2.27E-13
peak_12102	chr16	52146399	52146959	99051	Intergenic	NM_001110524	brd2b	7.412651207	4.048304418	3.364346789	1.47E-07
peak_14052	chr5	56957207	56957625	-19224	Intergenic	NM_001003753	gna14	6.579205489	3.215210032	3.363995458	8.84E-07
peak_17052	chr6	43510247	43510502	128769	Intergenic	NM_001013450	zgc:113054	5.816663503	2.452713665	3.363949838	7.25E-06
peak_7726	chr19	49124322	49124588	58016	intron (NM_173223, intron 1 of 4)	NM_173223	sdc2	5.81627337	2.452494112	3.363779258	6.31E-10
peak_5534	chr15	31796813	31797306	7667	Intergenic	NM_200860	arl4aa	7.780723044	4.417112728	3.363610316	8.26E-12
peak_21281	chr18	49766145	49766564	-9006	Intergenic	NM_001246276_1	reln	5.915983532	2.552474647	3.363508885	7.66E-05
peak_19655	chr16	51991841	51992444	41943	Intergenic	NM_131612	pbx2	7.802714307	4.43955825	3.363156057	3.40E-05
peak_17580	chr25	13504952	13505258	47748	Intergenic	NM_199604	map1lc3b	3.837642815	0.474639816	3.363002999	1.04E-05
peak_9800	chr5	74746573	74746900	88082	Intergenic	NM_001003993	ak1	5.942028049	2.579133007	3.362895042	1.24E-08
peak_16802	chr11	22747632	22747961	3843	intron (NM_001199491, intron 1 of 17)	NM_001199491	foxp4	5.72462317	2.362017819	3.36260535	6.32E-06
peak_9932	chr1	39587441	39588137	148650	Intergenic	NR_030668		7.129185426	3.766600042	3.362585384	1.45E-08
peak_10188	chr9	43502872	43503470	-11662	intron (NM_182872, intron 4 of 9)	NM_001004010	calcrla	7.21842656	3.856144991	3.362281569	1.92E-08
peak_5504	chr17	9983139	9983573	47034	Intergenic	NM_001170739	mgaa	7.452461711	4.090324748	3.362136964	7.69E-12
peak_10241	chr5	55910802	55911240	76857	intron (NM_001020519, intron 6 of 10)	NM_001111154	prune2	7.010449723	3.648392594	3.362057129	2.03E-08
peak_14726	chr2	30130558	30130918	-7522	Intergenic	NM_199625	socs6b	6.856381009	3.494353439	3.36202757	1.48E-06
peak_16054	chr7	75041038	75041502	80672	Intergenic	NM_001039641	lgi2a	6.596615345	3.235011559	3.361603787	3.91E-06
peak_18809	chr8	56146608	56147374	-8966	Intergenic	NM_205697	plxnd1	6.614939595	3.255029264	3.359910332	2.13E-05
peak_10664	chr20	24952593	24953045	39826	intron (NM_001044979, intron 4 of 17)	NM_001044979	epha7	6.546332431	3.186965461	3.35936697	3.35E-08
peak_13074	chr18	36711180	36711788	-3599	Intergenic	NM_213068	caprin1b	7.742149567	4.383035061	3.359114506	3.79E-07
peak_3578	chr9	38809092	38809701	2242	intron (NM_001113576, intron 1 of 16)	NM_001113576	pdia5	7.230223223	3.871172414	3.359050808	2.04E-14
peak_10872	chr9	45796102	45796640	6783	intron (NM_001137665, intron 1 of 29)	NM_001137665	nckap1	7.618642498	4.259608613	3.359033885	4.31E-08
peak_11129	chr21	29160774	29161087	-1361	Intergenic	NM_001288663	LOC100004941	5.341744134	1.983749571	3.357994563	5.66E-08
peak_4120	chr18	17032548	17033087	25653	intron (NM_001039460, intron 1 of 8)	NM_001039460	zfpm1	7.862634515	4.504653885	3.35798063	1.51E-13
peak_13320	chr19	33064924	33065481	-17529	Intergenic	NM_212561	hey1	7.136704326	3.778740404	3.357963922	4.72E-07
peak_17530	chr24	36964883	36965266	63840	Intergenic	NM_213515	ube2v2	6.608393605	3.250434384	3.35795922	9.98E-06
peak_14461	chr3	43656499	43657005	22996	Intergenic	NM_001002044	mafk	6.752897784	3.395223766	3.357674017	1.23E-06
peak_2081	chr20	28223107	28224031	-51333	Intergenic	NM_001079835	dll4	9.517669726	6.159999306	3.35767042	1.03E-17
peak_21526	chr15	4437696	4437964	1706	intron (NM_212896, intron 1 of 7)	NM_212896	zgc:77828	6.122054653	2.764821012	3.357233641	8.65E-05
peak_14797	chr6	16780481	16780818	-369372	Intergenic	NM_001129823	psmb3	6.390392503	3.033261008	3.357131495	1.57E-06
peak_12425	chr18	36728894	36729577	2966	intron (NM_131111, intron 2 of 2)	NM_131111	lmo2	6.81274601	3.45563824	3.35710777	2.05E-07
peak_13157	chr14	29250561	29251024	-148389	Intergenic	NM_200688	zgc:64189	6.895957662	3.539167954	3.356789709	4.10E-07
peak_10719	chr1	4706455	4706958	-85041	Intergenic	NM_212965	nrp2a	7.519193385	4.162725634	3.35646775	3.52E-08
peak_3766	chr7	76866363	76867223	-17304	Intergenic	NM_001089531	zgc:163061	8.789771954	5.433634317	3.356137637	4.45E-14
peak_11687	chr13	5221539	5221787	24283	intron (NM_131893, intron 7 of 12)	NM_131893	meis1	5.251504061	1.89539212	3.356111941	9.71E-08
peak_8066	chr21	12010880	12011277	23004	exon (NM_001080586, exon 9 of 14)	NM_001198749	slc31a2	6.665093767	3.309074101	3.356019666	1.08E-09
peak_11872	chr14	40679472	40680042	-152197	Intergenic	NM_131782	glra4a	7.215775359	3.86006931	3.355706049	1.19E-07
peak_17035	chr20	1308046	1308480	6770	intron (NM_001122874, intron 5 of 5)	NM_001122874	lrp11	7.235502115	3.879895732	3.355606384	7.17E-06
peak_8256	chr11	25667859	25668174	5111	intron (NM_001080005, intron 2 of 9)	NM_001080005	zgc:153953	5.933758395	2.578162636	3.355595759	1.48E-09
peak_13410	chr7	62705986	62706300	-17009	Intergenic	NM_001083551	rbpjb	5.835696832	2.48044886	3.355247972	5.14E-07
peak_10708	chr15	20683830	20684065	10627	Intergenic	NM_001160409	zgc:162339	5.637470398	2.282498669	3.354971728	3.50E-08
peak_9015	chr3	44433797	44434258	-142300	Intergenic	NM_001002533_1	rab11fip4a	7.123028931	3.768745288	3.354283644	4.27E-09
peak_1338	chr18	46725655	46726631	105645	Intergenic	NM_001037706	smtla	10.57725403	7.223542495	3.353711535	1.87E-20
peak_12957	chr8	5022588	5023060	10377	TTS (NM_001020524)	NM_001020524	tmem127	5.771377205	2.418357528	3.353019677	3.36E-07
peak_26692	chr18	26506581	26507735	218825	Intergenic	NM_001126418	kti12	3.572672044	0.219835396	3.352836648	0.000699
peak_15731	chr9	46784107	46784417	35219	Intergenic	NM_001002736	asb1	6.554321972	3.201708821	3.352613151	3.11E-06
peak_5356	chr19	48956350	48956840	-93912	Intergenic	NM_131813	angpt1	7.835215542	4.48261161	3.352603932	5.31E-12
peak_10129	chr10	18698976	18699505	-209836	Intergenic	NM_199776	ppp2r2d	7.304178533	3.95161137	3.352567163	1.80E-08
peak_4198	chr3	32640792	32641395	11484	intron (NM_001288815, intron 6 of 27)	NM_001288815	trpm4a	8.149331387	4.79679961	3.352531777	1.98E-13
peak_25724	chr15	6481551	6482400	64548	Intergenic	NM_001079946	gltscr2	6.864350335	3.512376566	3.351973768	0.0005
peak_7888	chr13	44852914	44853784	504799	Intergenic	NM_001030175	zfand3	8.423280076	5.071339264	3.351940812	7.94E-10
peak_4390	chr11	38129007	38129774	-325432	Intergenic	NM_203484	cacna1da	8.791264402	5.439482791	3.351781611	3.71E-13
peak_6863	chr8	42600194	42600991	57811	Intergenic	NM_131329	myl7	7.983978025	4.632427212	3.351550814	1.31E-10
peak_8262	chr17	5706121	5706493	19922	Intergenic	NR_030085		6.701112737	3.35005322	3.351059517	1.49E-09
peak_5960	chr14	895816	896302	1146	intron (NM_212882, intron 6 of 12)	NM_201304	rgs14a	7.891133607	4.540144322	3.350989285	2.14E-11
peak_6287	chr13	44529868	44530260	261123	Intergenic	NM_001160346	zfyve21	6.826986361	3.477197134	3.349789227	4.46E-11
peak_2521	chr20	8148623	8149352	386920	Intergenic	NM_001244756	bloc1s2	8.599792326	5.25008064	3.349711687	1.67E-16
peak_15490	chr7	63535059	63535586	644089	Intergenic	NM_200491	tbc1d19	6.940765415	3.591183876	3.349581539	2.59E-06
peak_13607	chr24	29444968	29445427	-38366	Intergenic	NM_001002206	abca4a	6.765505265	3.416222703	3.349282562	6.07E-07
peak_21961	chr24	21621293	21621899	43786	Intergenic	NM_183067	drd3	6.789622914	3.440410483	3.349212431	0.000107

peak_9311	chr2	55108705	55109035	117315	Intergenic	NM_001277117	acss2l	6.271613773	2.922772526	3.348841247	6.50E-09
peak_18307	chr8	36621360	36621821	333402	Intergenic	NM_001007206	si:busm1-194e12	6.225227423	2.876775716	3.348451707	1.62E-05
peak_8276	chr8	31436019	31436403	-31750	intron (NM_001123253, intron 18 of 22)	NM_001039816	specc1la	6.83877329	3.491374671	3.347398618	1.54E-09
peak_18173	chr9	22681301	22681815	-74521	Intergenic	NM_001002483	sox1a	7.422198381	4.075032254	3.347166128	1.50E-05
peak_15485	chr21	26047518	26048021	-3191	Intergenic	NM_001024406	prdx5	6.627681914	3.280616764	3.34706515	2.58E-06
peak_13161	chr21	12456270	12457051	392914	Intergenic	NM_001025182	stxbp1a	8.215918942	4.868869016	3.347049925	4.11E-07
peak_21490	chr13	30746868	30747351	16726	intron (NM_001113339, intron 3 of 21)	NM_001113339	zmiz1a	6.861116822	3.514450288	3.346666534	8.48E-05
peak_16149	chr14	18836217	18836778	94819	Intergenic	NM_001256193	slbp	5.130866215	1.784363256	3.346502959	4.14E-06
peak_11217	chr3	62948724	62949055	-1720	Intergenic	NM_001114921	zgc:173575	6.256418235	2.91013055	3.346287684	6.08E-08
peak_19549	chr9	24268830	24269352	6938	exon (NM_001193381, exon 9 of 9)	NM_001193381	ccnt2a	7.007728705	3.661748496	3.34598021	3.18E-05
peak_19409	chr12	32331245	32331680	-38514	Intergenic	NM_001098753	kcnk1a	6.722775246	3.37692046	3.345854786	2.95E-05
peak_7521	chr18	46934989	46936000	-48193	Intergenic	NM_001017558_1	ets1	9.71363676	6.367783462	3.345853298	4.55E-10
peak_12008	chr7	5276169	5276472	97349	Intergenic	NM_001128587	si:ch211-272h9.3	5.606138542	2.260535957	3.345602585	1.35E-07
peak_8458	chr10	8374738	8375139	6023	intron (NM_001030129, intron 2 of 6)	NM_001030129	zgc:114200	6.651123077	3.305855238	3.345267839	1.98E-09
peak_15122	chr14	22378204	22378570	-41159	Intergenic	NM_131248	egr1	6.281838832	2.936598729	3.345240103	1.98E-06
peak_12759	chr5	2506444	2506917	13754	intron (NM_001002209, intron 5 of 6)	NM_001002209	rabepk	5.749860565	2.404637399	3.345223166	2.80E-07
peak_21861	chr16	47832830	47833163	3854	intron (NM_001078168, intron 1 of 6)	NM_001078168	sult2st3	6.016755299	2.67180676	3.344948539	0.000102
peak_9255	chr1	12495837	12496425	-340259	Intergenic	NM_001115058	pcdh18a	6.415881037	3.070992935	3.344888102	5.95E-09
peak_19892	chr17	26738233	26738531	29885	intron (NM_001005392, intron 3 of 5)	NM_001005392	rcan3	5.970067928	2.625351712	3.344716216	3.86E-05
peak_14204	chr12	5798037	5798464	11671	exon (NM_001113591, exon 6 of 13)	NM_001113591	kif22	6.613143998	3.268473665	3.344670333	9.86E-07
peak_15717	chr6	12540994	12541352	-41211	Intergenic	NM_198064	slc15a1b	6.547273063	3.203294714	3.343978349	3.09E-06
peak_13277	chr10	1289389	1289721	-20543	Intergenic	NM_200196	pdlim5b	4.819024807	1.475978232	3.343046574	4.56E-07
peak_15449	chr16	17311231	17311752	81041	Intergenic	NM_001020534	mrpl13	7.513053962	4.170409111	3.342644852	2.52E-06
peak_9655	chr18	42880387	42880699	62995	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	5.948827541	2.606269244	3.342558297	1.03E-08
peak_21228	chr11	46420817	46421572	9129	intron (NM_001002705, intron 5 of 14)	NM_001002705	tmc6b	7.096701244	3.754210838	3.342490407	7.49E-05
peak_17789	chr3	45713459	45713939	-11902	Intergenic	NM_001080019	gpr146	6.328915131	2.986445574	3.342469558	1.20E-05
peak_14649	chr15	23325822	23326049	-29561	Intergenic	NM_212633	appbp2	5.491318164	2.149135593	3.342182571	1.40E-06
peak_2773	chr11	44184165	44185117	-83248	Intergenic	NM_212914	foxg1b	10.07751052	6.735505726	3.34200479	6.62E-16
peak_19803	chr7	73964385	73964766	30021	Intergenic	NM_001006020_1	ccdc149a	6.103272047	2.762671438	3.340600609	3.67E-05
peak_11037	chr8	656728	657038	-33460	Intergenic	NM_001017864	zgc:110697	5.942028049	2.601538195	3.340489854	5.11E-08
peak_22599	chr19	29169440	29170224	40753	Intergenic	NR_105066		8.51564994	5.175230414	3.340419526	0.000141
peak_18893	chr1	59796833	59798078	-23028	Intergenic	NM_200748_1	pin1	8.202749269	4.862631969	3.3401173	2.23E-05
peak_18014	chr1	42501286	42501647	-160770	Intergenic	NM_001159372	ctnna2	6.416395938	3.076462478	3.33993346	1.37E-05
peak_8327	chr11	5283104	5283453	-269732	Intergenic	NM_201450	cse1l	5.882374352	2.542455238	3.339919114	1.65E-09
peak_19287	chr3	20418901	20419435	287977	Intergenic	NM_201130	spop	6.998089274	3.658283766	3.339805508	2.76E-05
peak_13657	chr24	19511580	19511971	-247912	Intergenic	NM_001089499	zgc:162928	6.695171678	3.355856135	3.339315543	6.34E-07
peak_3615	chr8	50622223	50622787	-139752	Intergenic	NM_001128741	zgc:195023	8.523396022	5.184148992	3.33924703	2.43E-14
peak_22550	chr19	9245588	9245926	10382	intron (NM_001045100, intron 1 of 12)	NM_001045100	snx27a	6.894480031	3.555262517	3.339217513	0.000138
peak_8672	chr15	2989504	2990157	-32048	intron (NM_001045369, intron 1 of 5)	NM_001110347	lrig3	7.736169236	4.397657458	3.338511778	2.61E-09
peak_3905	chr19	23375721	23376407	39126	exon (NM_001080040, exon 38 of 76)	NM_001080040	pkhd1l1	8.293608485	4.955563337	3.338045148	7.40E-14
peak_17748	chr7	14608863	14609359	-13440	Intergenic	NM_200395	rasl12	7.016755299	3.678726057	3.338029242	1.17E-05
peak_7811	chr3	40046197	40046659	2969	intron (NM_001045469, intron 1 of 21)	NM_001045469	llgl1	6.488858029	3.151159134	3.337698895	7.08E-10
peak_12934	chr13	33745410	33746007	-85468	Intergenic	NM_213639	cfl1	7.163699101	3.826181218	3.337517882	3.27E-07
peak_19205	chr7	32003205	32003870	40531	Intergenic	NM_199430	ccnb2	7.174437568	3.837022803	3.337414765	2.64E-05
peak_21188	chr15	16212055	16212846	-23529	Intergenic	NM_212706	cul5a	7.285225662	3.948282274	3.336943388	7.38E-05
peak_11019	chr23	41187210	41187974	-18182	Intergenic	NM_001139458	si:dkey-194e6.1	8.51281673	5.176088916	3.336727814	5.03E-08
peak_13679	chr15	24579375	24579706	20172	intron (NM_001003611, intron 2 of 9)	NM_001003611	mettl16	5.640584479	2.303892846	3.336691632	6.45E-07
peak_9996	chr11	1865168	1866097	56114	Intergenic	NM_001285533	nr1d4b	8.189595707	4.853616594	3.335979114	1.55E-08
peak_5039	chr12	25033440	25033958	187125	Intergenic	NM_131784	bambia	8.363119055	5.027328134	3.335790921	2.46E-12
peak_17129	chr9	27425033	27425320	288017	Intergenic	NM_131023	efnb2a	6.06068133	2.725091008	3.335590322	7.64E-06
peak_19131	chr6	166004	166544	42722	Intergenic	NM_001291889	bglapl	6.662274616	3.326897546	3.33537707	2.55E-05
peak_12845	chr9	32277221	32277548	33972	intron (NM_001037416, intron 3 of 7)	NM_205727	zic5	5.831819492	2.496501483	3.335318009	3.01E-07
peak_9226	chr17	48796716	48797059	64679	Intergenic	NM_001037401	kcnk5a	6.222580114	2.887640307	3.334939807	5.73E-09
peak_9565	chr11	6286164	6286434	13980	Intergenic	NM_001200035	ccl25b	5.584255219	2.24986292	3.334392298	9.16E-09
peak_6891	chr1	57529064	57529333	104370	intron (NM_001113805, intron 5 of 9)	NM_001113805	sc:d0284	5.990308607	2.655940996	3.334367611	1.39E-10
peak_16048	chr7	45981067	45981409	-22352	Intergenic	NM_001002449	fam96b	5.95594936	2.62162521	3.33432415	3.90E-06
peak_12718	chr16	24794167	24794974	69110	Intergenic	NM_001013495	s100t	8.171291782	4.83700237	3.334289413	2.69E-07
peak_18790	chr23	16205430	16205759	-85922	Intergenic	NM_200736	mrgbp	3.554074368	0.219835396	3.334238972	2.10E-05
peak_3753	chr9	32480571	32481494	77351	Intergenic	NM_001173502	tmtc4	9.88791168	6.553867912	3.334043768	4.16E-14
peak_23808	chr18	43901031	43901385	129929	Intergenic	NM_001039634	wt1b	6.149950753	2.81595363	3.333997123	0.000237
peak_9047	chr16	46091651	46092291	-15552	Intergenic	NM_131773	cldn12	6.935027175	3.601039281	3.333987894	4.49E-09
peak_25958	chr13	43401028	43401432	8317	intron (NM_001013501, intron 3 of 20)	NM_001013501	capn2a	6.412772711	3.079358412	3.333414299	0.000541
peak_4050	chr9	47373729	47374611	-233124	Intergenic	NM_001039358	hdac4	9.610663195	6.277678395	3.3329848	1.20E-13
peak_4172	chr5	19825463	19825982	124538	exon (NM_178304, exon 11 of 11)	NM_178304	zdhhc8b	8.43473215	5.101964018	3.332768132	1.80E-13
peak_27007	chr3	48482390	48482852	-162	promoter-TSS (NM_001128818)	NM_001128818	tnfsf18	6.818601223	3.485925545	3.332675678	0.00078
peak_18323	chr16	23448874	23449235	-60530	Intergenic	NM_001001947	dfna5	6.306541514	2.974286364	3.33225515	1.63E-05
peak_13887	chr7	14524111	14524416	-4850	intron (NM_001003415, intron 3 of 4)	NM_213395	spg21	5.880531361	2.548300297	3.332231064	7.63E-07
peak_8097	chr15	8000720	8001151	224301	intron (NM_001113555, intron 1 of 9)	NM_001113555	cadm2b	6.48761924	3.155781263	3.331837977	1.13E-09
peak_15688	chr15	27838326	27839013	6812	intron (NM_001030229, intron 1 of 1)	NM_001030229	ankrd13b	7.67869709	4.346862615	3.331834475	3.03E-06
peak_7340	chr5	73101213	73101581	58369	Intergenic	NM_001003629	rgs3a	6.268178158	2.936924101	3.331254057	3.25E-10
peak_10025	chr6	18969090	18969525	11733	Intergenic	NM_001098259	si:rp71-81e14.2	7.148255898	3.817203291	3.331052607	1.61E-08
peak_17498	chr19	10235426	10236125	35303	exon (NM_001082910, exon 23 of 23)	NM_001082910	clcn1a	8.427587061	5.096887526	3.330699534	9.76E-06
peak_2606	chr15	9598465	9599085	16127	Intergenic	NM_001130789	zgc:193616	8.433973196	5.103480036	3.33049316	2.74E-16
peak_3586	chr22	39946927	39947725	58070	Intergenic	NM_001003462	trim35-36	7.715656152	4.385164495	3.330491656	2.08E-14
peak_10450	chr20	27158040	27158416	23874	exon (NM_001025551, exon 3 of 10)	NM_001025551	btbd7	6.571108244	3.241246653	3.329861591	2.58E-08
peak_4367	chr20	28230372	28230819	-44307	Intergenic	NM_001079835	dll4	7.332482119	4.002841657	3.329640461	3.44E-13
peak_8987	chr9	50007081	50007409	-94981	Intergenic	NM_001113604	nostrin	6.274156124	2.944589184	3.329566941	4.15E-09
peak_15484	chr20	51792868	51793592	-16198	Intergenic	NM_001130595	tlr5b	7.668886402	4.339686508	3.329199895	2.58E-06
peak_18222	chr5	75226813	75227474	4614	intron (NM_205540, intron 9 of 11)	NM_001044712	fabp1a	3.548447992	0.219835396	3.328612596	1.55E-05
peak_11448	chr7	58175146	58175557	-76789	Intergenic	NM_001077165	senp8	6.939680783	3.611156945	3.328523838	7.79E-08
peak_15990	chr6	25965379	25966099	-56953	Intergenic	NM_001037227	dzip1l	4.818979367	1.490687863	3.328291504	3.74E-06
peak_18191	chr22	20875839	20876162	-4387	Intergenic	NM_001197066	nfil3-4	5.483939468	2.155703238	3.32823623	1.52E-05
peak_24074	chr13	24851618	24852166	-34239	Intergenic	NM_131272	msxc	7.460237897	4.132125021	3.328112877	0.000265
peak_9839	chr14	6766624	6767045	-146051	Intergenic	NM_131444	gnb2l1	6.306263717	2.978280296	3.327983421	1.30E-08
peak_17950	chr13	3775689	3776267	102561	Intergenic	NM_001163199	dnph1	7.614939595	4.287157922	3.327781673	1.33E-05
peak_12939	chr6	22424619	22425025	-156363	Intergenic	NM_200704	aanat1	6.231402722	2.904049517	3.327353206	3.29E-07
peak_25976	chr2	50202690	50203361	52337	Intergenic	NM_001083865	sema4e	8.045322815	4.718301542	3.327021274	0.000546
peak_8052	chr17	43373658	43373978	99366	Intergenic	NM_001118892	plk4	6.578502098	3.25216677	3.326335528	1.05E-09
peak_10796	chr19	1869879	1870869	3373	intron (NM_198819, intron 1 of 28)	NM_198819	ptk2aa	9.165891475	5.839713562	3.326177913	3.86E-08
peak_18072	chr1	4183474	4184126	10551	Intergenic	NM_001003842	spry2	7.921995053	4.597010563	3.32498449	1.42E-05
peak_9764	chr25	25412726	25413539	-334530	Intergenic	NM_001002089_1	tsg101a	7.227878439	3.903572826	3.324305613	1.19E-08
peak_7762	chr15	46718136	46719408	-54197	Intergenic	NM_001017599	h3f3b.1	9.777070615	6.453208342	3.323862272	6.61E-10
peak_10432	chr18	47378027	47378382	-15415	Intergenic	NM_201153	rps3	6.194265903	2.871245735	3.323020168	2.53E-08
peak_10144	chr14	5294910	5295288	-96926	Intergenic	NM_001007134	lbx2	6.629916529	3.307043034	3.322873495	1.83E-08
peak_12504	chr16	7839525	7839927	-124611	Intergenic	NR_023328		6.403972161	3.081236118	3.322736043	2.20E-07
peak_11847	chr11	31185978	31186475	602	exon (NM_001177346, exon 1 of 5)	NM_001177346	ugt1b3	6.908122758	3.585535965	3.322586793	1.14E-07
peak_15718	chr20	32354039	32354697	17249	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	8.337048605	5.01486129	3.322187315	3.09E-06
peak_15342	chr25	31130086	31130419	9575	exon (NM_199540, exon 6 of 14)	NM_199540	api5	6.530205497	3.208292248	3.321913248	2.33E-06
peak_10072	chr6	7095669	7096233	-55967	Intergenic	NM_200022	apg3l	7.141090496	3.819538285	3.321552211	1.68E-08
peak_14344	chr14	47118170	47118640	36411	intron (NM_001076572, intron 1 of 9)	NM_001076572	atp8a1	6.783625373	3.462099109	3.321526265	1.10E-06
peak_5910	chr20	6764707	6765058	124727	Intergenic	NM_001171033	si:ch211-191a24.1	6.509076539	3.187779397	3.321297143	1.93E-11
peak_6612	chr15	41768447	41768845	42030	intron (NM_001045128, intron 2 of 13)	NM_001045128	acsl3a	6.888718223	3.567496216	3.321222007	8.28E-11
peak_2942	chr6	50588405	50589472	47533	intron (NM_001123252, intron 3 of 14)	NM_001123252	si:dkey-46l15.1	10.02228117	6.701370359	3.320910811	1.58E-15
peak_14275	chr8	4577903	4578350	9323	intron (NM_001007378, intron 1 of 5)	NM_001007378	pptc7a	6.487388509	3.166608093	3.320780416	1.04E-06
peak_11514	chr18	38466509	38467518	-185076	Intergenic	NM_001017682	sema6dl	7.575047252	4.254431442	3.32061581	8.32E-08

peak_17441	chr19	49777773	49779418	-5100	exon (NM_200572, exon 8 of 12)	NM_214744	zgc:85936	8.382733486	5.062843825	3.319889661	9.34E-06
peak_3969	chr3	49890452	49891108	-112610	Intergenic	NM_001076646	hs3st3b1a	9.645634223	6.32617994	3.319454283	9.53E-14
peak_5017	chr8	19930988	19931649	-9199	intron (NM_001004593, intron 1 of 2)	NM_201302	sec22bb	8.775063089	5.455716348	3.319346741	2.33E-12
peak_15393	chr15	10358503	10358983	65654	intron (NM_001002694, intron 7 of 8)	NM_001002694	prcp	6.088143836	2.768952135	3.319191701	2.41E-06
peak_6487	chr20	41120176	41120744	319464	Intergenic	NM_001100023	si:dkey-233p4.1	8.213468065	4.894296999	3.319171066	6.61E-11
peak_14031	chr12	45967013	45967630	-5331	Intergenic	NM_212945	mrpl38	7.977963313	4.658959581	3.319003731	8.66E-07
peak_9626	chr14	43171506	43171843	40176	intron (NM_001012263, intron 1 of 5)	NM_001012263	fgfrl1b	5.809993993	2.491318127	3.318675866	9.89E-09
peak_22794	chr5	52732566	52733060	20016	Intergenic	NM_201583	gcnt4a	7.158322191	3.839711372	3.318610819	0.000153
peak_15194	chr20	361734	362229	12103	intron (NM_001029969, intron 1 of 13)	NM_001029969	fynb	5.715840917	2.397896483	3.317944435	2.08E-06
peak_18969	chr24	38949703	38950226	47477	Intergenic	NM_213008	cluap1	6.368928192	3.051282612	3.31764558	2.33E-05
peak_11967	chr14	44209341	44210292	-199485	Intergenic	NM_001115099	pcdh18b	8.629537704	5.311925641	3.317612063	1.31E-07
peak_18984	chr15	17902616	17902871	161310	Intergenic	NM_001113552	cadm1b	5.808425591	2.49087499	3.317550601	2.36E-05
peak_14975	chr20	6218021	6218906	25162	intron (NM_200938, intron 8 of 8)	NM_001005598	ttr	8.077483046	4.760457545	3.3170255	1.77E-06
peak_12160	chr15	21700970	21701307	68749	Intergenic	NM_001077155	nars2	5.45910652	2.142537912	3.316568609	1.57E-07
peak_12683	chr23	2043165	2043804	15638	exon (NM_001002301, exon 5 of 16)	NM_001002301	prdm5	7.131843708	3.815611207	3.316232501	2.59E-07
peak_6709	chr9	11833839	11834345	2479	intron (NM_001002584, intron 2 of 4)	NM_001002584	cryba2b	8.301664197	4.985855404	3.315808793	1.01E-10
peak_3301	chr25	32602605	32603353	3970	exon (NM_173275_1, exon 3 of 23)	NM_173275_1	lamb1a	8.856807869	5.541257395	3.315550474	6.77E-15
peak_11340	chr7	69353413	69353850	-129797	Intergenic	NM_001002386	kars	7.213842689	3.898496079	3.315346609	6.94E-08
peak_17103	chr25	9233351	9234032	803	exon (NM_131389, exon 2 of 3)	NM_131389	rag1	7.568678289	4.253614855	3.315063434	7.53E-06
peak_10015	chr17	33666631	33667424	27703	Intergenic	NM_001037117	zgc:123218	8.868968801	5.554047468	3.314921333	1.59E-08
peak_20324	chr11	11000601	11001325	-86101	Intergenic	NM_001083573	psmd14	7.796980324	4.482168451	3.314811874	4.88E-05
peak_6817	chr8	31384411	31384842	35414	intron (NM_001123253, intron 1 of 22)	NM_001123253	si:dkey-91m11.5	7.457591772	4.143108764	3.314483007	1.22E-10
peak_13545	chr5	68592610	68593205	58069	Intergenic	NM_001100001	camsap1b	7.353115955	4.038740267	3.314375688	5.74E-07
peak_14289	chr5	67246318	67246626	125734	intron (NM_001278808, intron 14 of 21)	NM_001278808	pappab	5.835311813	2.521181739	3.314130074	1.05E-06
peak_15916	chr10	3843355	3843837	-210482	Intergenic	NM_200920	pitpnb	6.407617529	3.093507042	3.314110487	3.55E-06
peak_14122	chr19	20154013	20154366	108131	Intergenic	NM_001139462	snx10a	5.735028496	2.421085965	3.313942531	9.32E-07
peak_8775	chr7	65926433	65927154	-99795	Intergenic	NM_001110485	m1ap	8.031584223	4.717879326	3.313704897	3.04E-09
peak_19908	chr22	2032426	2032640	-11624	Intergenic	NM_001111090	zgc:174224	3.533336158	0.219835396	3.313500762	3.90E-05
peak_18796	chr16	10258077	10258530	-294474	Intergenic	NM_001289913	cobl	6.741436557	3.428296871	3.313139686	2.11E-05
peak_5663	chr7	74816747	74818068	28282	Intergenic	NM_001008590	slc35c1	9.111153494	5.798262912	3.312890583	1.12E-11
peak_23125	chr3	28721892	28722323	94303	Intergenic	NM_001201336	fbxl16	7.304742989	3.992172784	3.312570205	0.000179
peak_11032	chr7	70764428	70764794	195103	Intergenic	NM_001100142	phlpp2	5.683215657	2.370790449	3.312425208	5.09E-08
peak_9497	chr6	4166227	4166662	-265756	Intergenic	NM_201285	pou4f1	6.998787108	3.68665659	3.312130518	8.34E-09
peak_20832	chr11	167392	168118	-5681	Intergenic	NM_001200058_1	LOC100006857	6.692398347	3.380426077	3.311972271	6.21E-05
peak_8029	chr17	45739370	45739679	-67328	Intergenic	NM_001045345	vcpkmt	6.127133121	2.81590301	3.311230111	1.00E-09
peak_18088	chr19	26244103	26244564	14175	intron (NM_212563, intron 1 of 2)	NM_212563	pard6gb	7.503378589	4.19226465	3.31111394	1.43E-05
peak_9816	chr13	24672834	24673132	-1761	Intergenic	NM_001002513	slc1a4	5.68535349	2.374619259	3.310734231	1.27E-08
peak_17780	chr1	34362121	34362523	-15939	Intergenic	NM_198140	tpt1	5.304890152	1.994825282	3.31006487	1.19E-05
peak_10754	chr1	28724564	28724970	12812	exon (NM_200522, exon 12 of 21)	NM_200522	zc3h13	6.850475813	3.540511807	3.309964006	3.67E-08
peak_3063	chr25	4726930	4727392	-123107	Intergenic	NM_001080181	gnb5a	8.006260809	4.696529724	3.309731085	2.62E-15
peak_4328	chr18	13495796	13496282	364832	Intergenic	NM_001089503	mlycd	8.141163832	4.831468713	3.309695119	2.94E-13
peak_11487	chr18	41710771	41710982	1945	intron (NM_001167569_1, intron 1 of 1)	NM_001167569_1	pvrl1b	5.520405368	2.211084557	3.309320811	8.11E-08
peak_7158	chr18	34973699	34974219	2200	intron (NM_001044319, intron 1 of 2)	NM_001044319	znf296	7.542203057	4.232911848	3.309291209	2.32E-10
peak_5547	chr9	16854672	16855271	-104934	Intergenic	NM_001113633	si:dkey-103d23.5	7.87790032	4.568847088	3.309053232	8.65E-12
peak_15659	chr19	1671884	1672217	-26337	Intergenic	NM_001089516	lrrc3b	6.224051441	2.915469303	3.308582137	2.95E-06
peak_9211	chr13	23214317	23214795	110	5' UTR (NM_001171612, exon 1 of 3)	NM_001171612	srgn	7.293971042	3.985420317	3.308550725	5.64E-09
peak_17545	chr18	18948649	18949325	36489	Intergenic	NM_001007359	rab11a	6.650479433	3.342104863	3.30837457	1.01E-05
peak_9868	chr14	46168252	46168568	-308550	Intergenic	NM_200975	gar1	6.469826694	3.162384368	3.307442326	1.35E-08
peak_10887	chr14	22895162	22895514	30972	exon (NM_131007, exon 4 of 6)	NM_131007	spon2a	7.706404115	4.399170379	3.307233736	4.37E-08
peak_14879	chr14	23275860	23276191	100960	3' UTR (NM_001024387, exon 10 of 10)	NM_001024387	gabrb2	6.180958654	2.873789355	3.307169299	1.66E-06
peak_15328	chr2	9620343	9620658	9817	exon (NM_001024414, exon 4 of 11)	NM_001024414	anxa13l	6.133741912	2.826608553	3.307133359	2.32E-06
peak_15789	chr7	62108735	62109180	-9118	Intergenic	NM_212647_1		4.186438186	0.87932337	3.307114817	3.26E-06
peak_10246	chr23	1997502	1997932	61405	intron (NM_001002301, intron 12 of 15)	NM_001002301	prdm5	7.010971152	3.704042238	3.306928914	2.05E-08
peak_16842	chr7	45818765	45819439	28698	Intergenic	NM_200813	ca7	7.759137494	4.452689477	3.306448017	6.46E-06
peak_13844	chr6	17725510	17726005	-273061	Intergenic	NM_131029	ntn1a	5.618326439	2.313276756	3.305049683	7.37E-07
peak_11191	chr10	39862900	39863182	-15497	Intergenic	NM_001110374	serpinh1a	6.043726067	2.738693419	3.305032648	5.97E-08
peak_9784	chr18	9453480	9453948	305076	Intergenic	NM_001100024	LOC566572	7.533545811	4.228891722	3.304654089	1.22E-08
peak_17368	chr13	47102069	47102399	-61617	Intergenic	NM_001243005	fgfr2	5.772182018	2.468306686	3.303875333	8.94E-06
peak_10396	chr9	13899644	13899961	-110022	Intergenic	NM_001076586	abi2a	5.848367416	2.544501476	3.303865939	2.42E-08
peak_11953	chr14	23653944	23654728	152614	Intergenic	NM_001004614	smyd5	7.682882225	4.379088501	3.303793724	1.29E-07
peak_28413	chr10	13651116	13651614	85272	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	6.705332641	3.401656788	3.303675854	0.001254
peak_9425	chr16	57658689	57659106	-39232	intron (NM_001039925, intron 11 of 11)	NM_001128260	zgc:172096	5.650247795	2.347653134	3.302594661	7.60E-09
peak_9859	chr1	1221415	1222413	-53434	Intergenic	NR_039328		8.625623825	5.323186637	3.302437187	1.34E-08
peak_14546	chr18	23087610	23088052	113250	intron (NM_131301, intron 4 of 9)	NM_131301	mef2aa	6.511502466	3.209293773	3.302208693	1.29E-06
peak_13600	chr5	58490699	58491348	116662	Intergenic	NM_001100053	tmem232	7.544456195	4.242300541	3.302155654	6.02E-07
peak_18786	chr21	33531264	33531886	92505	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	7.807248169	4.505392892	3.301855277	2.10E-05
peak_4248	chr25	38486689	38488004	31315	Intergenic	NM_001040635	fanca	10.88727823	7.585813711	3.30146452	2.30E-13
peak_14833	chr20	24004443	24004694	61703	Intergenic	NM_212819	cx52.6	4.868872007	1.567723154	3.301148852	1.61E-06
peak_22570	chr12	25212138	25212620	-22593	Intergenic	NM_001035261	svila	5.910124342	2.609160782	3.30096356	0.00014
peak_12303	chr5	23710457	23711674	-39498	Intergenic	NM_001099997	LOC559803	9.818635513	6.517734211	3.300901301	1.80E-07
peak_11902	chr24	8180655	8181176	-71417	Intergenic	NM_001030066	bloc1s5	7.593525266	4.293114942	3.300410324	1.22E-07
peak_12208	chr11	45560519	45561406	-8033	Intergenic	NM_214752	irf2bp2b	9.216997204	5.916760515	3.30023669	1.64E-07
peak_8736	chr6	34386071	34386367	-1588	Intergenic	NM_199274	rgs4	5.827179997	2.527834694	3.299345304	2.89E-09
peak_10733	chr1	7245959	7246356	-26759	Intergenic	NM_001030080	grapb	6.458856603	3.159682602	3.299174001	3.58E-08
peak_12194	chr17	35977497	35977860	81057	Intergenic	NM_131336	sox11a	6.194265903	2.895126762	3.299139141	1.62E-07
peak_15948	chr11	45115359	45116031	-62255	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	8.355202701	5.056416244	3.298786458	3.62E-06
peak_10459	chr21	28641632	28642374	-109624	Intergenic	NM_001007382	ttc1	7.327820733	4.029937152	3.297883582	2.61E-08
peak_3925	chr5	42244028	42244636	-108803	Intergenic	NM_131037	fsta	6.99705695	3.699220638	3.297836312	7.90E-14
peak_11241	chr8	29295109	29295560	7558	Intergenic	NM_131884	cebpb	6.688554311	3.390800514	3.297753797	6.28E-08
peak_4919	chr9	25617852	25618433	-172253	Intergenic	NM_001128365	tmeff2a	8.501499202	5.203821059	3.297678142	1.80E-12
peak_10427	chr8	49265344	49265788	8564	intron (NM_001123283, intron 4 of 13)	NM_001123283	LOC567180	6.687500603	3.389900422	3.297600182	2.52E-08
peak_18974	chr19	7874815	7875179	20544	intron (NM_131275, intron 11 of 13)	NM_131275	rxrba	6.325339303	3.027964239	3.297375064	2.35E-05
peak_18185	chr19	30405105	30405856	-4093	Intergenic	NM_200278	sh3bgrl3	7.74163603	4.444543855	3.297092175	1.51E-05
peak_18843	chr21	44232227	44232639	4257	intron (NM_200849, intron 7 of 9)	NM_200849	slc22a4	3.781005458	0.48510786	3.295897598	2.18E-05
peak_16795	chr11	14531461	14531909	-30473	Intergenic	NM_001122654	ptbp1b	6.343385461	3.047799119	3.295586342	6.30E-06
peak_10334	chr25	18909138	18909638	13383	intron (NM_200118, intron 10 of 11)	NM_200118	poc1b	8.311687281	5.016304899	3.295382382	2.26E-08
peak_10794	chr24	14776862	14777212	-64301	Intergenic	NM_001089439	dok6	6.428998606	3.133909031	3.295089575	3.84E-08
peak_23860	chr4	4539070	4540080	85655	Intergenic	NM_001080651	creb3l2	8.01089089	4.717414806	3.293476084	0.000243
peak_15035	chr1	52333626	52333996	12813	Intergenic	NM_212969	dand5	6.00926551	2.715821494	3.293444016	1.86E-06
peak_15002	chr23	30781958	30782507	-164184	Intergenic	NM_212631	dnajc11	6.994635262	3.70171764	3.292917621	1.80E-06
peak_11574	chr7	62463734	62464100	21507	Intergenic	NM_213147	acox3	6.993783045	3.700869319	3.292913726	8.82E-08
peak_4640	chr4	9079054	9079968	105741	Intergenic	NM_001045158	sbf1	8.955055884	5.665368633	3.289687251	7.88E-13
peak_15317	chr7	25595748	25596134	37721	intron (NM_001100026, intron 18 of 25)	NM_001100026	poln	5.994472906	2.704943059	3.289529846	2.30E-06
peak_4076	chr8	3681179	3681772	-48505	Intergenic	NM_001017772	zgc:112433	8.337948054	5.048456238	3.289491816	1.32E-13
peak_12987	chr7	43234577	43234954	-378874	Intergenic	NM_131063	shha	6.84126809	3.552306373	3.288961717	3.48E-07
peak_24827	chr17	39257454	39258065	94167	intron (NM_212821, intron 2 of 16)	NM_212821	crim1	7.234042426	3.945222461	3.288819965	0.000363
peak_8997	chr18	24994735	24995062	-14321	Intergenic	NM_001044330	si:dkeyp-59c12.1	6.295931118	3.007138461	3.288792657	4.20E-09
peak_5303	chr11	25052935	25053653	12499	Intergenic	NM_213213	chia.3	9.53716745	6.248808043	3.288359407	4.87E-12
peak_5784	chr22	15541263	15542062	-10612	Intergenic	NM_001082927	si:dkey-236e20.7	8.574463911	5.287205232	3.287258679	1.45E-11
peak_22993	chr13	42795076	42795456	17717	exon (NM_001004568, exon 3 of 3)	NM_001004568	cdc42ep3	5.950961561	2.663703566	3.287257995	0.000169
peak_23678	chr2	7937750	7938322	41246	Intergenic	NM_001079995	chst2a	7.617075502	4.330257818	3.286817683	0.000223
peak_6936	chr8	16296634	16297280	213916	intron (NM_001017754, intron 3 of 4)	NM_001017754	agbl4	7.461610594	4.17492344	3.286687154	1.51E-10
peak_12310	chr20	13270563	13271104	38721	Intergenic	NM_001030162	kcnk3a	7.610314204	4.324083947	3.286230257	1.81E-07
peak_12704	chr23	21959435	21959815	1741	intron (NM_001003477, intron 1 of 5)	NM_001003477	dhrs3a	5.924355407	2.63813516	3.286220247	2.65E-07
peak_13105	chr6	54472278	54472505	-10647	Intergenic	NR_029981		5.820948015	2.534948567	3.285999448	3.91E-07

peak_16229	chr9	27411495	27411832	274504	Intergenic	NM_131023	efnb2a	6.150260336	2.865187628	3.285072708	4.36E-06
peak_20164	chr18	17134498	17135070	9803	Intergenic	NM_200984	foxl1	7.1599963	3.875071598	3.284924703	4.51E-05
peak_1805	chr18	10499873	10500919	-56950	Intergenic	NM_001045135	si:ch211-59c24.1	10.25337646	6.968776257	3.2846002	1.36E-18
peak_25060	chr5	1470313	1470904	33839	exon (NM_212768, exon 5 of 6)	NM_212768	mbd2	7.292701405	4.008902426	3.283798979	0.000396
peak_10119	chr1	15150417	15150880	-14373	Intergenic	NM_001037103	fgf20a	7.789628711	4.505936459	3.283692252	1.77E-08
peak_8807	chr7	14386538	14387002	-22713	Intergenic	NM_001099248	ankdd1a	6.703236541	3.419705737	3.283530804	3.19E-09
peak_4515	chr5	17864100	17864847	56027	Intergenic	NM_001004541	zgc:92445	9.104282723	5.821998398	3.282284325	5.58E-13
peak_11227	chr9	19583014	19583769	-74263	Intergenic	NM_001123297	chmp2ba	7.306255613	4.024006845	3.282248768	6.16E-08
peak_13263	chr5	420654	420881	67664	Intergenic	NM_200293	ddrgk1	4.684926177	1.402722361	3.282203816	4.46E-07
peak_12832	chr20	51796168	51796465	-13112	Intergenic	NM_001130595	tlr5b	5.44046515	2.159533624	3.280931527	2.98E-07
peak_4273	chr4	6564724	6565674	-13433	intron (NM_001114883, intron 11 of 12)	NM_001201541	tnnt2e	7.801329354	4.520823926	3.280505428	2.52E-13
peak_9165	chr23	5912293	5912683	-79217	Intergenic	NM_205567	csrp1a	7.223307381	3.942992234	3.280315147	5.23E-09
peak_10981	chr9	20638071	20638684	-18374	Intergenic	NM_001126449	pdxka	7.849410876	4.569413199	3.279997677	4.79E-08
peak_24747	chr16	41744052	41744400	53926	Intergenic	NM_001159994	gdf6a	6.142793785	2.863331038	3.279462748	0.000351
peak_6119	chr21	44431045	44431891	-2398	Intergenic	NR_030657		7.921899107	4.642898067	3.27900104	3.19E-11
peak_3954	chr17	8013911	8016358	-37391	Intergenic	NM_001017841	slc18b1	10.55969661	7.281087018	3.278609594	8.88E-14
peak_15648	chr9	2723809	2724215	-36894	Intergenic	NM_001089498	sp3a	5.960525777	2.681962673	3.278563104	2.91E-06
peak_17522	chr8	31025900	31026458	-10612	intron (NM_001123258, intron 13 of 14)	NR_030033		8.259717554	4.9811607	3.278556854	9.92E-06
peak_15494	chr23	21739592	21740000	1328	exon (NM_205619, exon 2 of 3)	NM_205619	her12	6.867942141	3.589404924	3.278537217	2.60E-06
peak_7859	chr22	35307973	35308322	47431	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	5.727969758	2.449528353	3.278441405	7.62E-10
peak_18599	chr25	29251009	29251621	102326	Intergenic	NM_001173985	aass	6.222580114	2.944206073	3.27837404	1.88E-05
peak_14821	chr4	18426320	18426753	201928	intron (NM_182865, intron 17 of 23)	NM_182865	snd1	7.716382014	4.438357072	3.278024942	1.59E-06
peak_20234	chr19	39557652	39558398	151188	Intergenic	NM_001002733	nxph1	7.971562876	4.693658135	3.277904741	4.66E-05
peak_5987	chr13	27637937	27638295	-60193	Intergenic	NM_001114589	ddx43	6.282968659	3.005133448	3.277835211	2.26E-11
peak_7723	chr22	15735801	15737666	2831	intron (NM_001024467, intron 2 of 8)	NM_213158	tpm4a	9.655999654	6.378485603	3.277514051	6.29E-10
peak_2730	chr1	28871954	28872637	64970	intron (NM_001002746, intron 20 of 22)	NM_001002746	pcca	9.307521479	6.030047622	3.277473857	5.22E-16
peak_19306	chr1	8259785	8260226	-15117	Intergenic	NM_001110102	chtf18	6.458592058	3.182167873	3.276424186	2.79E-05
peak_14894	chr2	40417051	40417530	225290	Intergenic	NM_001077534	uggt1	6.775420206	3.499163455	3.27625675	1.67E-06
peak_12590	chr6	913955	914399	42804	intron (NM_001245966, intron 7 of 8)	NM_001245966	zeb2b	6.922704243	3.646721596	3.275982646	2.36E-07
peak_4119	chr16	50708210	50708874	68968	Intergenic	NM_001013336	slc25a32b	8.564721829	5.289137788	3.275584041	1.51E-13
peak_16805	chr11	22144238	22144897	-44492	Intergenic	NM_001114928	zgc:172180	7.900197442	4.62464268	3.275554762	6.33E-06
peak_8819	chr7	50744539	50745033	363404	Intergenic	NM_001020629	hrasb	7.721207159	4.445697735	3.275509424	3.28E-09
peak_26100	chr15	35620365	35620752	195724	Intergenic	NM_183070	sst1.1	6.313761648	3.038663522	3.275098126	0.00057
peak_18950	chr17	26908263	26908540	-18174	Intergenic	NM_205659	cnksr1	5.430273871	2.155703238	3.274570633	2.30E-05
peak_20242	chr7	7707579	7708523	-153	promoter-TSS (NM_001177454)	NM_001177454	zgc:175248	8.346364761	5.072447546	3.273917215	4.68E-05
peak_4144	chr25	38067050	38067789	30642	intron (NM_200913, intron 5 of 8)	NM_200913	wwox	7.950245385	4.677016201	3.273229184	1.65E-13
peak_5035	chr1	268608	270178	-40588	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	10.02395039	6.750814375	3.27313601	2.45E-12
peak_19063	chr1	51385919	51386239	-38597	Intergenic	NM_001099240	zgc:154142	3.492783688	0.219835396	3.272948293	2.46E-05
peak_16268	chr23	41239283	41239704	-70083	Intergenic	NM_001139458	si:dkey-194e6.1	7.444881053	4.172029766	3.272851286	4.47E-06
peak_15200	chr23	139764	142146	2332	intron (NM_001077296, intron 2 of 7)	NM_001077296	zgc:153351	9.300520158	6.027741673	3.272778485	2.09E-06
peak_17282	chr12	38495176	38495541	-14469	intron (NM_001166259, intron 6 of 6)	NM_001080568	hs3st3b1b	6.429493966	3.157837819	3.271656148	8.43E-06
peak_9832	chr11	13779514	13780188	16799	Intergenic	NM_001122626	sc:d149	9.149761746	5.878433747	3.271327999	1.29E-08
peak_13063	chr8	50611971	50612458	-150043	Intergenic	NM_001128741	zgc:195023	8.28678352	5.015622055	3.271161465	3.76E-07
peak_12682	chr11	27686179	27688219	-52030	Intergenic	NM_001045307	acad9	10.66670102	7.39592758	3.270773437	2.58E-07
peak_13981	chr1	22017557	22017818	24976	3' UTR (NM_001089491, exon 24 of 24)	NM_001089491	rfc1	5.800557901	2.52990176	3.270656141	8.27E-07
peak_5452	chr12	30338942	30339314	3797	intron (NM_001005927, intron 6 of 21)	NM_001005927	osbpl7	6.594328508	3.323844217	3.270484292	6.83E-12
peak_26722	chr15	34485327	34486120	22943	intron (NM_199835, intron 1 of 12)	NM_199835	agfg1a	7.833759465	4.563733298	3.270026167	0.000706
peak_14072	chr14	22456597	22457270	-119705	Intergenic	NM_131248	egr1	7.639456537	4.369467753	3.269988784	8.97E-07
peak_7212	chr9	23764236	23764675	-33125	intron (NM_001082836, intron 11 of 15)	NM_001040243	tnfaip6	7.586551393	4.316873107	3.269678286	2.61E-10
peak_9674	chr1	34813797	34814161	28647	intron (NM_001098260, intron 7 of 7)	NM_001098260	sc:d189	6.102970874	2.83329436	3.269676514	1.05E-08
peak_9789	chr13	8110100	8110357	40526	Intergenic	NM_199996	calm2a	5.511247402	2.24163498	3.269612422	1.22E-08
peak_22316	chr21	10307309	10307616	-2090	Intergenic	NM_001077580	dcaf12	5.821725652	2.552474647	3.269251005	0.000126
peak_10691	chr13	46722859	46723466	-21952	Intergenic	NM_213133	marcksl1a	9.361476364	6.092392851	3.269083513	3.44E-08
peak_15479	chr16	51872720	51873105	-77287	intron (NM_001012368, intron 1 of 10)	NM_131612	pbx2	7.570883742	4.301926552	3.26895719	2.57E-06
peak_8170	chr24	30672953	30673221	-332903	Intergenic	NM_001099258	lppr5b	5.905363553	2.636646928	3.268716625	1.26E-09
peak_11589	chr13	11652528	11653011	-12443	Intergenic	NM_001278854	trim8a	7.168624402	3.900023196	3.268601206	8.92E-08
peak_14077	chr2	35350831	35351496	26676	Intergenic	NM_201308	plk3	7.988313576	4.720349197	3.267964379	9.00E-07
peak_12826	chr2	9974463	9974856	6619	TTS (NM_152977)	NM_178163	dmbx1a	6.452328857	3.184754863	3.267573994	2.97E-07
peak_7640	chr1	19113847	19114284	261017	Intergenic	NM_001044325	zgc:136652	7.607505156	4.340490139	3.267015018	5.45E-10
peak_9795	chr11	787172	787720	27853	intron (NM_213275, intron 2 of 4)	NM_213275	vgll4b	7.462116707	4.19533094	3.266785767	1.24E-08
peak_26764	chr4	58584295	58584782	44021	Intergenic	NM_001030170	zgc:113381	6.385636542	3.118936819	3.266699722	0.000718
peak_19254	chr23	20321375	20321814	18291	intron (NM_001001825, intron 1 of 7)	NM_001001825	bgnb	6.7391625	3.47398872	3.265173781	2.71E-05
peak_4266	chr19	37215209	37215908	66185	Intergenic	NM_001003601	trappc3	9.252407668	5.987732937	3.264674731	2.43E-13
peak_20045	chr3	46365575	46366245	52103	Intergenic	NM_001017690	snrnp25	7.846935701	4.582272086	3.264663614	4.24E-05
peak_8544	chr16	52391693	52392480	344458	Intergenic	NM_001110524	brd2b	7.671591134	4.406968627	3.264622508	2.21E-09
peak_3931	chr10	29565014	29565828	-47870	Intergenic	NM_131000	alcama	8.949086681	5.684512321	3.26457436	7.94E-14
peak_7070	chr17	30249116	30249466	-15077	Intergenic	NM_001142264	spata17	6.589998803	3.325616214	3.264382589	1.98E-10
peak_7356	chr8	31582859	31583354	7036	exon (NM_001077162, exon 5 of 6)	NM_001077162	gucd1	8.497232197	5.233032168	3.264200028	3.37E-10
peak_4345	chr11	5086233	5086925	-261903	Intergenic	NM_001077310		7.98180028	4.717893275	3.263907005	3.16E-13
peak_14687	chr24	4337860	4338237	-111456	Intergenic	NM_201461	klf6a	6.639689914	3.376540336	3.263149579	1.44E-06
peak_19193	chr23	42246404	42246785	33826	Intergenic	NM_001006093	scp2b	6.817833269	3.555338626	3.262494643	2.63E-05
peak_17772	chr3	35535591	35535906	44305	Intergenic	NM_001193674	rbbp6	6.115727566	2.853264999	3.262462567	1.19E-05
peak_3328	chr12	29044043	29044650	11098	Intergenic	NM_001002450	meox1	8.292552993	5.030708601	3.261844392	7.71E-15
peak_4844	chr4	3193189	3193788	30973	Intergenic	NM_213306	pik3cg	8.443306549	5.181495915	3.261810634	1.47E-12
peak_19064	chr3	45149316	45149606	163993	Intergenic	NM_001080608	hs3st2	5.417440195	2.155703238	3.261736956	2.46E-05
peak_12476	chr17	32500581	32500932	75027	Intergenic	NM_001077604	klf11b	5.92580277	2.66409668	3.261706089	2.14E-07
peak_3049	chr12	49396745	49397537	24863	intron (NM_198811, intron 1 of 18)	NM_198811	pald1a	9.495617136	6.233937697	3.261679439	2.45E-15
peak_2448	chr1	42311879	42312788	80540	Intergenic	NM_201502	smox	10.37390916	7.112462336	3.261446824	1.17E-16
peak_16927	chr17	30875927	30876162	-26972	exon (NM_001130785, exon 7 of 7)	NM_001128798	tpp1	5.447031973	2.185637672	3.261394301	6.77E-06
peak_17834	chr3	21581755	21582226	13470	intron (NM_001003857, intron 13 of 29)	NM_001003857	itga2b	6.600485416	3.339222738	3.261262678	1.23E-05
peak_14518	chr15	8996345	8996727	-4872	Intergenic	NM_001004002	rab4b	6.476537243	3.215306369	3.261230874	1.27E-06
peak_6667	chr7	16336703	16337721	121201	intron (NM_152969, intron 10 of 20)	NM_152969	igf1rb	9.337364439	6.076561441	3.260802998	9.21E-11
peak_10421	chr22	16805913	16806296	27897	intron (NM_001127185, intron 39 of 43)	NM_001007760	pdzk1ip1l	7.111917952	3.851279167	3.260638785	2.50E-08
peak_16163	chr21	7892335	7892796	29696	Intergenic	NM_001159586	lhx2a	6.91817726	3.657564285	3.260612975	4.18E-06
peak_17783	chr2	50126843	50127225	-12187	intron (NM_198808, intron 8 of 10)	NM_131049	sema4e	5.747792413	2.488275513	3.259516899	1.20E-05
peak_11348	chr17	46009917	46010243	34411	Intergenic	NR_029933		6.918166654	3.658801743	3.259364911	6.98E-08
peak_15788	chr25	16530528	16530877	-26801	Intergenic	NM_001089545	dkk3	6.265591899	3.006324645	3.259267253	3.26E-06
peak_5801	chr13	7444907	7445418	-173516	Intergenic	NM_001037101	hells	7.632812487	4.374136941	3.258675546	1.51E-11
peak_12233	chr2	50427680	50428060	3072	intron (NM_001076601, intron 1 of 6)	NM_001076601	blvra	7.366939472	4.108456262	3.25848321	1.68E-07
peak_8810	chr20	19187574	19188110	40555	Intergenic	NM_001080750	sox7	7.33208079	4.074125148	3.257955642	3.21E-09
peak_9673	chr2	26415193	26415650	-21107	intron (NM_200601, intron 3 of 6)	NM_001020477	ptbp1a	7.705561747	4.447817264	3.257744483	1.05E-08
peak_6068	chr24	4265626	4265980	-39211	Intergenic	NM_201461	klf6a	6.84011718	3.582469748	3.257647432	2.80E-11
peak_21975	chr18	7618515	7619499	-76734	Intergenic	NM_001013543	arsa	8.545979536	5.28928213	3.256697406	0.000108
peak_29490	chr25	36418068	36418799	-11574	Intergenic	NM_001003427	psma1	7.023729168	3.767044648	3.25668452	0.001752
peak_8091	chr7	21587425	21588235	33864	Intergenic	NM_001039513	cnpy4	8.98192566	5.726337262	3.255588398	1.12E-09
peak_22028	chr17	10420685	10421195	-61748	Intergenic	NM_199786	clec14a	7.476043369	4.220748366	3.255295003	0.00011
peak_13183	chr20	33385320	33385630	52111	Intergenic	NM_212614	mycn	5.943100495	2.688194145	3.25490635	4.17E-07
peak_16073	chr7	8517971	8518419	-11743	Intergenic	NM_001077258	ino80b	6.858667191	3.603985578	3.254681613	3.95E-06
peak_17589	chr1	8267861	8268242	-7071	Intergenic	NM_001110102	chtf18	5.979527054	2.725091008	3.254436046	1.05E-05
peak_18181	chr6	53385837	53386317	-23360	Intergenic	NM_213481_1	gnb1b	4.551318627	1.297210701	3.254107926	1.51E-05
peak_14851	chr9	469728	470177	-27792	Intergenic	NM_001080074_1	zgc:158316	5.846053691	2.59231394	3.253739752	1.63E-06
peak_4551	chr10	33994943	33995420	-131472	Intergenic	NM_001017871	myl10	8.204688153	4.950948593	3.25373956	6.21E-13
peak_15508	chr16	7551087	7551788	895	intron (NM_001080645, intron 1 of 5)	NM_001080645	zgc:158657	7.66497912	4.411904501	3.253074618	2.63E-06
peak_9154	chr18	36464296	36464841	60596	intron (NM_001114715, intron 1 of 11)	NM_001099255	si:dkeyp-86e4.1	7.017783526	3.765613795	3.252169731	5.16E-09
peak_2838	chr25	14838319	14839217	70524	Intergenic	NM_131178	dbx1b	9.424661982	6.172602486	3.252059496	9.41E-16

peak_16004	chr9	46785390	46785880	36592	Intergenic	NM_001002736	asb1	6.347171218	3.095216377	3.251954841	3.78E-06
peak_20259	chr3	9987365	9987630	73431	intron (NR_105067, intron 2 of 5)	NR_105067		5.503998454	2.25221264	3.251785814	4.73E-05
peak_17855	chr12	9508682	9509263	-67968	Intergenic	NM_200161	reep3b	6.792822234	3.541078071	3.251744162	1.25E-05
peak_27244	chr7	54459133	54459905	50659	Intergenic	NM_001006085	cdkn2aip	3.47113868	0.219835396	3.251303284	0.000846
peak_21510	chr22	20702118	20702789	21163	Intergenic	NM_001037391	map2k2a	7.817833269	4.566771886	3.251061383	8.58E-05
peak_9548	chr13	26629065	26629571	-298520	Intergenic	NM_212982	fancl	8.130436723	4.880031261	3.250405463	8.94E-09
peak_4964	chr16	33794363	33794875	-21401	Intergenic	NM_200692	ndrg1b	7.67913251	4.428813018	3.250319492	1.99E-12
peak_15040	chr11	40124363	40124766	153678	Intergenic	NM_001017736	cldn19	5.649346427	2.399112603	3.250233823	1.87E-06
peak_3737	chr3	19192347	19192809	-2282	Intergenic	NM_001007316	s1pr5a	8.200205506	4.950173509	3.250031997	3.87E-14
peak_12651	chr4	9789686	9790319	3683	intron (NM_001290178, intron 3 of 67)	NM_001290178	stab2	8.580118235	5.330536739	3.249581496	2.51E-07
peak_18946	chr16	22532998	22533462	-53533	Intergenic	NM_199278	cpvl	6.61336857	3.363868146	3.249500424	2.30E-05
peak_7647	chr21	18997310	18997801	-49162	Intergenic	NM_201171	dusp4	8.24788396	4.998697606	3.249186353	5.50E-10
peak_1705	chr3	39642386	39643325	-52	promoter-TSS (NM_001020573)	NM_001020573	grapa	9.69514825	6.445985043	3.249163208	6.25E-19
peak_2718	chr9	18525772	18526515	-226505	Intergenic	NM_001128338	vwa8	8.652598913	5.403846253	3.248752659	4.87E-16
peak_16566	chr25	5220194	5220425	-7816	intron (NM_001077725, intron 11 of 13)	NM_001130779	zgc:194895	3.957365387	0.709096771	3.248268616	5.47E-06
peak_12264	chr12	45180513	45180837	-362549	Intergenic	NM_001110011	dock1	5.998948979	2.750983764	3.247965216	1.73E-07
peak_10882	chr16	29151712	29152629	-45441	Intergenic	NM_001002108	ino80c	9.381339929	6.133781892	3.247558038	4.34E-08
peak_14147	chr5	11362247	11362565	-215997	Intergenic	NM_001128575	LOC100150220	5.876024302	2.628724051	3.247300252	9.47E-07
peak_14482	chr9	7666784	7667052	13026	Intergenic	NR_030098		5.822525535	2.575268044	3.247257491	1.24E-06
peak_11998	chr2	2900558	2901089	-12135	TTS (NM_207059)	NM_001135682	aqp1a.2	6.378239627	3.131083189	3.247156438	1.35E-07
peak_8151	chr14	24177763	24178187	-391090	Intergenic	NM_001039461	med12	7.215470891	3.968545135	3.246925756	1.23E-09
peak_16752	chr7	63877747	63878163	986722	Intergenic	NM_200491	tbc1d19	3.95594936	0.709096771	3.246852589	6.13E-06
peak_9265	chr10	953934	954297	-31677	Intergenic	NM_001099984_1	unc5c	6.091694325	2.84513649	3.246557835	6.01E-09
peak_5747	chr19	30673869	30674432	-36241	Intergenic	NM_131162	ntla	8.161857845	4.915342702	3.246515144	1.33E-11
peak_3621	chr18	39442828	39443503	129417	Intergenic	NM_001076747	fbxo36a	7.957089665	4.711551944	3.245537721	2.50E-14
peak_13079	chr10	20147263	20148079	5306	intron (NM_001201409, intron 1 of 15)	NM_001201409	dmtn	9.644534262	6.399049819	3.245484444	3.81E-07
peak_21676	chr2	515811	516588	-105921	Intergenic	NM_212920	wrnip1	8.365403075	5.119949554	3.245453521	9.31E-05
peak_18456	chr1	28261610	28261880	63069	Intergenic	NM_001103123	lig4	5.922906591	2.677794984	3.245111606	1.74E-05
peak_10046	chr2	43473332	43473645	-96871	Intergenic	NM_205674	nrp1b	5.5833384	2.338642189	3.244696211	1.64E-08
peak_16226	chr20	4256761	4257126	-51	promoter-TSS (NM_001076758)	NM_001076758	zgc:154018	6.206243589	2.961612071	3.244631518	4.36E-06
peak_15714	chr21	40536946	40537273	8462	exon (NM_001002087, exon 4 of 8)	NM_001002087	rnf14	6.091049431	2.847191491	3.24385794	3.09E-06
peak_5438	chr5	60242875	60243324	86876	Intergenic	NM_001076705	ccdc84	7.735234876	4.491569769	3.243665107	6.62E-12
peak_3883	chr1	21861056	21861573	181349	Intergenic	NM_001089491	rfc1	7.887326015	4.643666955	3.24365906	6.97E-14
peak_9327	chr2	47873374	47874021	-3406	intron (NM_001076634, intron 1 of 3)	NM_001100050	mbnl1	8.382729643	5.139337273	3.24339237	6.62E-09
peak_16905	chr19	33068902	33069777	-21666	Intergenic	NM_212561	hey1	8.212653062	4.969786183	3.242866879	6.71E-06
peak_16458	chr6	50036917	50037464	89743	intron (NM_205610, intron 2 of 9)	NM_212675	eif2s2	8.285022442	5.042292033	3.242730409	5.12E-06
peak_10561	chr22	33001917	33002275	-18153	Intergenic	NM_131237	mxi1	6.336568632	3.094273147	3.242295484	2.92E-08
peak_8559	chr16	36240617	36241024	-5112	Intergenic	NM_214801	gpn2	6.02728286	2.785290615	3.241992245	2.25E-09
peak_3625	chr11	6582323	6582951	43824	Intergenic	NM_213031	gadd45ba	8.782486197	5.541432973	3.241053223	2.53E-14
peak_4714	chr7	58291364	58291922	-60540	Intergenic	NM_201194	scamp2l	8.141708868	4.900862295	3.240846573	9.75E-13
peak_18999	chr5	18666131	18666588	-154628	Intergenic	NM_001004640	atad1a	7.544677978	4.304166677	3.240511301	2.38E-05
peak_9184	chr25	38027748	38028008	70183	intron (NM_200913, intron 5 of 8)	NM_200913	wwox	5.69177286	2.451326049	3.240446812	5.38E-09
peak_16216	chr24	19508286	19508620	-251234	Intergenic	NM_001089499	zgc:162928	6.009606799	2.769475995	3.240130804	4.33E-06
peak_8056	chr4	60379389	60379686	16990	Intergenic	NM_001089456	ms4a17a.17	5.768960068	2.529021745	3.239938323	1.06E-09
peak_25455	chr23	25654840	25655280	75772	Intergenic	NM_212641	pa2g4b	6.149021604	2.909201936	3.239819668	0.000458
peak_12387	chr2	34104847	34105067	-248955	Intergenic	NM_001003878	cenpl	4.940954807	1.701283593	3.239671214	1.97E-07
peak_23717	chr21	16228873	16229537	-114438	Intergenic	NM_001012312	gsna	7.183087154	3.943568263	3.239518891	0.000228
peak_17132	chr11	42312586	42313068	4754	intron (NM_001083570, intron 1 of 3)	NM_001083570	errfi1	8.178907304	4.939674802	3.239232502	7.65E-06
peak_16599	chr12	12510825	12511144	52685	intron (NM_001111182, intron 3 of 8)	NM_001111182	htra1b	6.215183623	2.976029152	3.239154472	5.59E-06
peak_9827	chr13	22109081	22109607	143036	Intergenic	NM_001145707	zswim8	6.827373608	3.588424866	3.238948742	1.29E-08
peak_14267	chr13	40770078	40770473	-10704	Intergenic	NM_131423	nkx2.3	6.387738622	3.148892942	3.238845681	1.04E-06
peak_2840	chr7	43755790	43756377	-11718	Intergenic	NM_199869	insig1	9.291921783	6.053145891	3.238775891	9.48E-16
peak_8962	chr9	32107219	32107639	34164	Intergenic	NM_001099241	gpr183	6.089435934	2.851218638	3.238217296	3.98E-09
peak_10256	chr3	47968542	47968908	30	promoter-TSS (NM_001002183)	NM_001002183	cdc42ep4a	6.043745509	2.805631274	3.238114236	2.08E-08
peak_3337	chr14	540847	542778	6871	intron (NM_212882, intron 9 of 12)	NM_001122600	spry1	9.875527415	6.637806532	3.237720883	7.96E-15
peak_4587	chr15	6979943	6980624	-4401	Intergenic	NM_001045252	foxl2	7.41781847	4.180200671	3.237617799	6.80E-13
peak_16713	chr18	930143	930442	98465	Intergenic	NM_205705	nptnb	5.688767446	2.451382297	3.237385149	5.99E-06
peak_13043	chr6	46139939	46140294	-57018	Intergenic	NM_001110023	zgc:162324	6.958592959	3.721255568	3.237337391	3.69E-07
peak_8358	chr11	5595896	5596361	12276	exon (NM_213074, exon 6 of 6)	NM_213074	slc35e1	7.212657386	3.975546122	3.237111263	1.71E-09
peak_3454	chr1	54621443	54621925	41456	Intergenic	NM_130954	dla	8.453151932	5.216695928	3.236456004	1.24E-14
peak_8292	chr8	42577828	42578193	-50915	Intergenic	NM_001075105	aplnra	6.644984921	3.409253015	3.235731905	1.57E-09
peak_3284	chr5	74768591	74769930	65558	Intergenic	NM_001003993	ak1	9.638045142	6.402433436	3.235611706	6.42E-15
peak_7969	chr14	28196556	28196871	385620	Intergenic	NM_001110457	klhl4	5.827567192	2.591965076	3.235602116	9.08E-10
peak_1839	chr15	47182237	47184325	29452	Intergenic	NR_030402		10.47828438	7.243150498	3.235133882	1.70E-18
peak_26064	chr5	854648	855223	14694	intron (NM_131461, intron 10 of 22)	NM_131461	tek	6.18854983	2.953659189	3.234890641	0.000562
peak_17613	chr23	16841175	16841745	11444	intron (NM_212691, intron 1 of 8)	NM_212691	sdcbp	7.685033017	4.45019908	3.234833937	1.07E-05
peak_16355	chr15	8831680	8832067	-71151	Intergenic	NM_213155	ap2s1	4.137163847	0.902938058	3.234225788	4.76E-06
peak_23004	chr16	45301765	45302148	-7070	Intergenic	NM_131506	tbx20	6.947927045	3.713847965	3.23407908	0.00017
peak_18820	chr8	28699936	28700933	10967	intron (NM_001077371, intron 1 of 5)	NM_001077371	cttnbp2nlb	8.299424643	5.065711874	3.233712769	2.15E-05
peak_19674	chr20	48664864	48665530	43459	Intergenic	NM_001105276	hadhaa	7.219780452	3.986278475	3.233501978	3.42E-05
peak_13956	chr21	19631088	19631422	32265	Intergenic	NM_001077150	oxct1b	5.545626554	2.312197852	3.233428702	8.09E-07
peak_21365	chr7	71951101	71951633	-202758	Intergenic	NM_001080067	elp5	7.026430041	3.793042399	3.233387641	8.00E-05
peak_19368	chr11	28944560	28945096	-17536	Intergenic	NM_001077792	ece1	6.736472535	3.503393147	3.233079388	2.87E-05
peak_26417	chr16	44685893	44686286	42795	Intergenic	NM_001077539	scn1ba	7.486530598	4.253618683	3.232911915	0.000635
peak_12402	chr20	26475399	26475983	21221	intron (NM_001281788, intron 1 of 3)	NM_001281788	akap12b	7.99998496	4.767596097	3.232388864	2.00E-07
peak_17903	chr21	43750991	43751589	-57745	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	8.924722662	5.692633916	3.232088747	1.29E-05
peak_7000	chr15	47406549	47407712	3438	exon (NM_001080683, exon 5 of 8)	NM_001080683	cep57	8.765826034	5.53398764	3.231838393	1.69E-10
peak_15369	chr13	17642504	17642909	-78794	Intergenic	NM_001163808	comtd1	6.885560622	3.653759119	3.231801503	2.36E-06
peak_19692	chr5	39008917	39009216	65213	intron (NM_001099229, intron 3 of 7)	NM_001099229	klhl13	3.451058288	0.219835396	3.231222892	3.45E-05
peak_19693	chr9	14270579	14270966	114308	Intergenic	NM_001040366	prkag3b	3.451058288	0.219835396	3.231222892	3.45E-05
peak_8430	chr21	43221672	43222198	45990	Intergenic	NM_200581	ammecr1	6.609532951	3.378460791	3.23107216	1.92E-09
peak_24711	chr1	39820447	39820783	70211	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	6.025239184	2.794865498	3.230373687	0.000346
peak_11330	chr9	13041737	13042372	-81332	Intergenic	NM_001122856	glb1l	6.650453898	3.420302828	3.230151069	6.87E-08
peak_11692	chr7	50769179	50769887	338657	Intergenic	NM_001020629	hrasb	7.075619334	3.845573586	3.230045748	9.74E-08
peak_20472	chr12	20380524	20381055	-20981	Intergenic	NM_212747	csnk1e	6.146522838	2.916931135	3.229591703	5.23E-05
peak_16130	chr8	47969426	47970037	22613	intron (NM_200779, intron 3 of 22)	NM_200779	ogdha	4.943100495	1.713875669	3.229224826	4.09E-06
peak_18434	chr12	27547224	27547575	47094	intron (NM_001004585, intron 3 of 12)	NM_001004585	bmpr1ab	6.229955966	3.001063093	3.228892873	1.72E-05
peak_13139	chr19	48062930	48063222	27605	intron (NM_001035264_1, intron 3 of 5)	NM_001035264_1	eif3hb	5.201453983	1.972678992	3.228774992	4.00E-07
peak_14786	chr7	16107429	16107816	8969	Intergenic	NM_131551	mespaa	7.503022099	4.274913264	3.228108834	1.56E-06
peak_3370	chr7	4236878	4238316	-27839	Intergenic	NM_001008593	ndrg2	11.00540171	7.777448959	3.227952748	9.20E-15
peak_4506	chr11	14504341	14504852	-57562	intron (NM_001017859, intron 6 of 6)	NM_001122654	ptbp1b	7.671477002	4.443674302	3.227802701	5.50E-13
peak_8876	chr1	34365385	34366011	-19315	Intergenic	NM_198140	tpt1	6.357696452	3.130286476	3.227409976	3.51E-09
peak_16983	chr18	22173633	22174039	21205	Intergenic	NM_200689	tmem170a	6.397712314	3.170864889	3.226847426	6.98E-06
peak_15027	chr2	55104604	55105085	121341	Intergenic	NM_001277117	acss2l	8.050654	4.823982056	3.226671944	1.85E-06
peak_9449	chr19	36003363	36003710	143802	intron (NM_001144043, intron 2 of 18)	NM_001144043	gabbr2	6.099749972	2.873484676	3.226265296	7.85E-09
peak_12973	chr25	12125031	12125406	413630	Intergenic	NM_001256664	ntrk3a	6.306279925	3.080074673	3.226205252	3.43E-07
peak_20166	chr16	9694129	9694781	-51374	Intergenic	NM_213342	ddc	7.238708243	4.013076718	3.225631525	4.51E-05
peak_3677	chr17	49996195	49997027	11016	intron (NM_001017601, intron 6 of 6)	NM_001017601	fcf1	9.273349538	6.048217584	3.225131954	3.06E-14
peak_11728	chr3	41844414	41845081	-58787	Intergenic	NM_001003430	grifin	9.066964616	5.842767893	3.224196723	1.01E-07
peak_6659	chr9	43425385	43425930	65852	Intergenic	NM_001004010	calcrla	8.59216528	5.368174199	3.223991081	9.12E-11
peak_6604	chr5	40733661	40734821	34404	intron (NM_001193540, intron 6 of 15)	NM_001193540	bmp2k	9.150581137	5.926672066	3.223909071	8.19E-11
peak_17816	chr9	9763994	9764486	40218	intron (NM_001098617, intron 4 of 9)	NM_001098617	nr1i2	7.047240599	3.823575865	3.223664734	1.21E-05
peak_13819	chr5	47735730	47736262	46949	intron (NM_001128340, intron 5 of 37)	NM_001128340	iqgap2	8.937901763	5.714252173	3.22364959	7.21E-07
peak_17013	chr1	34181738	34182729	52549	intron (NM_207062, intron 4 of 5)	NM_207062	klf12a	7.595579423	4.372221656	3.223357767	7.08E-06
peak_15453	chr5	57453590	57453929	60300	Intergenic	NM_001128673	fkbp6	6.104870153	2.881734279	3.223135874	2.53E-06

peak_19036	chr20	14828279	14828721	11071	intron (NM_001128524, intron 1 of 19)	NM_001128524	dnm3	6.740807994	3.51768692	3.223121073	2.43E-05
peak_20023	chr6	9096337	9096794	4901	intron (NM_001030252, intron 5 of 5)	NM_001030252	nabp1b	3.696843362	0.474639816	3.222203546	4.18E-05
peak_15857	chr6	20531615	20531979	-226768	Intergenic	NM_178131	scinla	5.973920822	2.751875264	3.222045558	3.42E-06
peak_5104	chr18	42130823	42131811	263491	Intergenic	NM_001005575	bcl9l	8.566704798	5.345398558	3.221306239	2.96E-12
peak_7618	chr18	9212755	9213127	265387	Intergenic	NM_001045084	sema3e	6.772595988	3.551566906	3.221029082	5.26E-10
peak_6441	chr6	9518046	9518621	-13118	Intergenic	NM_001077369	ccdc151	7.195775125	3.975356854	3.220418271	6.03E-11
peak_15078	chr2	52848150	52848707	-87990	Intergenic	NM_001110833	ccdc94	7.329614657	4.109201924	3.220412733	1.91E-06
peak_20474	chr17	17631530	17631808	-3236	Intergenic	NM_001020619	sptlc2a	5.711232089	2.49087499	3.220357099	5.24E-05
peak_2849	chr25	38488437	38490737	33556	Intergenic	NM_001040635	fanca	10.625189	7.404971686	3.220217317	9.89E-16
peak_17416	chr14	18007981	18008588	64507	Intergenic	NM_199714	rraga	6.337128491	3.119223565	3.217904927	9.23E-06
peak_15191	chr17	7915958	7916520	-136286	Intergenic	NM_001017841	slc18b1	7.364799062	4.147425701	3.217373361	2.07E-06
peak_20244	chr23	22474023	22474686	-20258	Intergenic	NM_001039808	slc2a1a	3.90833784	0.691124799	3.217213041	4.69E-05
peak_14076	chr10	36095540	36096047	36316	intron (NM_001020552, intron 2 of 4)	NM_001020552	zgc:110006	6.88685081	3.669786649	3.21706416	8.99E-07
peak_13009	chr23	4084582	4084985	11807	intron (NM_001045332, intron 1 of 8)	NM_001045332	b4galt5	6.550574138	3.333705967	3.216868171	3.56E-07
peak_11126	chr1	34381938	34382784	-13863	Intergenic	NM_001111204	zgc:172122	6.589300655	3.372592132	3.216708523	5.65E-08
peak_18282	chr11	35647455	35647965	-20718	intron (NM_001001818, intron 5 of 8)	NM_001079988	fam212aa	6.517274495	3.300878003	3.216396492	1.60E-05
peak_11686	chr23	32739052	32739525	108167	Intergenic	NM_200286	taf8	8.045988472	4.829679991	3.216308481	9.71E-08
peak_8272	chr20	39704338	39705333	-6446	Intergenic	NM_001045231	hddc2	9.305601708	6.090245986	3.215355721	1.52E-09
peak_17725	chr23	5490287	5491117	-11911	Intergenic	NR_039095		8.033426641	4.818193901	3.21523274	1.15E-05
peak_13604	chr7	42691713	42692264	-437271	Intergenic	NM_199843	shcbp1	7.781240349	4.566320779	3.21491957	6.05E-07
peak_18768	chr21	26692636	26693277	-4237	Intergenic	NM_001002673	sart1	6.832023739	3.617734475	3.214289264	2.08E-05
peak_16321	chr5	61257800	61258258	6186	exon (NM_001127307, exon 2 of 9)	NM_001127307	dtx2	5.971470171	2.75736198	3.214108191	4.65E-06
peak_24787	chr4	16567730	16568497	-24401	Intergenic	NM_001045096	recql	7.642113319	4.428196218	3.213917101	0.000358
peak_11093	chr17	48797165	48797694	64137	Intergenic	NM_001037401	kcnk5a	7.308362076	4.094869783	3.213492293	5.43E-08
peak_21429	chr11	46262179	46262426	27212	exon (NM_001082993, exon 15 of 17)	NM_001082993	sos1	3.432850718	0.219835396	3.213015322	8.25E-05
peak_21430	chr7	25462787	25463111	-59576	Intergenic	NM_001271897	slc7a8a	3.432850718	0.219835396	3.213015322	8.25E-05
peak_5656	chr11	42967968	42968543	-8954	Intergenic	NM_001017657	mrto4	8.954644204	5.74175501	3.212889194	1.11E-11
peak_19637	chr4	54339453	54339758	-739957	Intergenic	NM_001109740	zgc:173619	4.265356126	1.052834703	3.212521423	3.36E-05
peak_6206	chr10	32600320	32600952	-175	promoter-TSS (NM_001115066)	NM_001115066	esama	8.487197565	5.274734001	3.212463565	3.77E-11
peak_10063	chr14	29428370	29428745	24264	Intergenic	NM_001017548	zgc:113355	7.067755234	3.855534157	3.212221077	1.67E-08
peak_22421	chr12	1568070	1568760	-7677	Intergenic	NM_200532	rasd1	6.936643363	3.724456699	3.212186664	0.000131
peak_12314	chr24	5715757	5716255	59329	Intergenic	NM_001114926	dia1b	6.837620387	3.625917049	3.211703337	1.82E-07
peak_14978	chr25	21004556	21005058	-43077	Intergenic	NM_001033744	adal	5.199061934	1.987480894	3.21158104	1.77E-06
peak_3161	chr4	6780562	6781783	11932	intron (NM_001030108, intron 3 of 3)	NM_001030108	elk3	10.46472823	7.253431638	3.211296595	3.70E-15
peak_3486	chr14	53506323	53508160	8397	Intergenic	NM_001029961	exosc3	10.35035465	7.139064473	3.211290182	1.43E-14
peak_18850	chr18	6507818	6509633	34988	intron (NM_152983, intron 14 of 46)	NM_152983	myo7aa	8.847837051	5.636634499	3.211202552	2.18E-05
peak_13620	chr5	45312694	45313090	-11380	Intergenic	NM_001126415	si:dkey-40c11.1	6.507144138	3.296571437	3.210572701	6.16E-07
peak_9997	chr3	3831323	3831711	115349	Intergenic	NM_001114556	zgc:171446	6.481466708	3.271269235	3.210197473	1.56E-08
peak_5435	chr10	14129867	14130499	321907	Intergenic	NM_001080612	galt	8.294111136	5.083956911	3.210154225	6.59E-12
peak_22155	chr8	52635515	52636133	8552	exon (NM_001002419, exon 5 of 13)	NM_001002419	entpd4	7.574463911	4.364628383	3.209835528	0.000117
peak_16197	chr12	35979428	35979808	162235	Intergenic	NM_001030125	camk2g1	6.803698646	3.594348289	3.209350357	4.28E-06
peak_11639	chr18	8596970	8597806	-38993	Intergenic	NM_131048	sema3d	8.464795001	5.256094307	3.208700694	9.36E-08
peak_23505	chr13	43797880	43798544	13972	intron (NM_001077581, intron 6 of 6)	NM_001077581	zgc:153073	7.28311806	4.074430916	3.208687144	0.000207
peak_21771	chr5	14688588	14688994	58596	Intergenic	NM_001099993	si:ch211-89f7.1	6.660958934	3.452503077	3.208455857	9.74E-05
peak_23425	chr6	14685546	14685990	-164242	Intergenic	NM_201447	pou3f3b	5.639210255	2.431948405	3.20726185	0.0002
peak_6907	chr14	20038444	20038904	15023	exon (NM_001001401, exon 6 of 14)	NM_001001401	immt	7.64453266	4.437621801	3.206910859	1.43E-10
peak_13207	chr3	53068512	53068978	-97883	Intergenic	NM_001166291	ptger1c	7.255826155	4.049026522	3.206799633	4.25E-07
peak_30436	chr7	65306496	65307003	-14767	Intergenic	NM_131287	sox17	6.789026601	3.58240325	3.20662335	0.002274
peak_14867	chr2	53713216	53713679	159160	Intergenic	NM_001002071	sirt6	7.033505659	3.827197561	3.206308098	1.64E-06
peak_10147	chr5	55947628	55948076	40026	intron (NM_001020519, intron 6 of 10)	NM_001111154	prune2	5.256113835	2.050210703	3.205903132	1.84E-08
peak_20738	chr9	19235892	19236223	117124	Intergenic	NM_212745	tsc22d1	6.10710453	2.901407252	3.205697278	5.96E-05
peak_22218	chr25	9180810	9181500	26952	Intergenic	NM_001014323	accs	7.573669727	4.368340952	3.205328775	0.00012
peak_20422	chr11	40153362	40153736	124693	Intergenic	NM_001017736	cldn19	6.151206735	2.946101658	3.205105077	5.13E-05
peak_20187	chr9	1418699	1419067	29761	exon (NM_001127405, exon 3 of 23)	NM_001127405	osbpl6	5.434855515	2.229879429	3.204976085	4.56E-05
peak_6367	chr18	12836536	12836982	111127	Intergenic	NM_001044968	plcg2	7.633261975	4.428411246	3.204850729	5.16E-11
peak_13385	chr8	10213531	10214010	15920	exon (NM_001013452, exon 8 of 17)	NM_001013452	ptpn18	6.11320747	2.908443542	3.204763928	5.06E-07
peak_16565	chr9	1232109	1232363	-122209	Intergenic	NM_001089361	prkra	6.215758102	3.011765049	3.203993053	5.47E-06
peak_4569	chr6	40016339	40017175	12628	Intergenic	NM_001002389	zgc:92046	8.551453411	5.347558499	3.203894911	6.50E-13
peak_9442	chr10	23807210	23807633	-448357	intron (NM_200664, intron 2 of 10)	NM_001020582	nle1	7.11747952	3.913650788	3.203828732	7.76E-09
peak_4286	chr25	30853592	30854747	175866	Intergenic	NM_001083030	brd1b	8.82051041	5.61696954	3.20354087	2.61E-13
peak_19656	chr16	6627089	6627618	132492	Intergenic	NM_001020563	echdc1	7.145289952	3.941773962	3.203515989	3.40E-05
peak_8832	chr18	11588705	11589016	-7463	Intergenic	NM_001177933	fgd4a	6.079697909	2.876870383	3.202827526	3.35E-09
peak_26032	chr20	17053907	17054326	-107055	Intergenic	NM_001002589	zgc:92716	3.42263522	0.219835396	3.202799824	0.000555
peak_9980	chr5	24908547	24909009	-2597	Intergenic	NM_001013350	agtr2	6.988058862	3.7853669	3.202691962	1.53E-08
peak_21180	chr17	45171129	45171370	-5117	Intergenic	NM_001045404	coq6	5.680646069	2.477959034	3.202687035	7.36E-05
peak_15350	chr2	51892403	51892970	-13076	Intergenic	NM_001083878	LOC100003983	6.845289061	3.643150626	3.202138435	2.34E-06
peak_12324	chr11	13517314	13517633	-92283	Intergenic	NM_201113	homer3	5.975689123	2.773725699	3.201963424	1.83E-07
peak_3988	chr3	6978809	6979771	9317	intron (NM_205613, intron 2 of 4)	NM_205613	hn1b	9.3638592	6.162072391	3.201786809	1.02E-13
peak_18682	chr11	35138766	35139212	96608	Intergenic	NM_001045355	tmem44	7.556205874	4.35467044	3.201535434	1.97E-05
peak_12323	chr4	47411135	47412271	371287	Intergenic	NM_001115109	zgc:175008	8.618629445	5.41735721	3.201272236	1.83E-07
peak_27676	chr19	18569989	18570405	37613	Intergenic	NM_001102428	dync1li1	3.420583411	0.219835396	3.200748015	0.000982
peak_27677	chr25	35971655	35972220	20228	TTS (NM_001007342)	NM_001007342	spire2	3.420583411	0.219835396	3.200748015	0.000982
peak_4692	chr11	38483866	38486785	-10627	intron (NM_001040385, intron 1 of 8)	NR_030659		10.50253999	7.301817723	3.200722264	9.11E-13
peak_27977	chr7	37998566	37998986	-22145	Intergenic	NR_036681		3.420463621	0.219835396	3.200628226	0.001097
peak_9157	chr3	11729008	11729483	-71036	intron (NM_001042778, intron 10 of 11)	NM_001037419	mmd	8.644480925	5.443858142	3.200622783	5.18E-09
peak_20690	chr12	29321171	29321557	214106	Intergenic	NM_131425	etv4	6.359556268	3.159372511	3.200183757	5.84E-05
peak_9633	chr19	43825870	43826325	-14014	Intergenic	NM_001045041	si:ch211-191i18.2	7.170151768	3.970659778	3.19949199	9.95E-09
peak_19585	chr22	23049617	23050019	37059	intron (NM_131463, intron 7 of 11)	NM_131463	nr5a2	6.670283925	3.47135861	3.198925315	3.25E-05
peak_15810	chr22	11322730	11323089	68606	Intergenic	NM_205626	bcor	5.997229056	2.798325071	3.198903985	3.29E-06
peak_29170	chr17	53971106	53973533	-20003	Intergenic	NM_001040051	mycbp	7.128224466	3.929756076	3.19846839	0.001593
peak_14780	chr2	31818818	31819272	84889	Intergenic	NM_200172	mycb	7.141869096	3.943707724	3.198161372	1.55E-06
peak_15611	chr7	62736450	62736919	13532	intron (NM_001083551, intron 1 of 10)	NM_001083551	rbpjb	8.035867911	4.8380809	3.197787011	2.81E-06
peak_14469	chr19	36816406	36816876	93263	Intergenic	NM_001020633	ndufs5	7.249185208	4.051614755	3.197570452	1.23E-06
peak_10810	chr6	20082053	20082292	3675	3' UTR (NM_001002216, exon 4 of 4)	NM_001002216	gadd45ab	5.229335828	2.032006906	3.197328922	3.91E-08
peak_11229	chr16	52441223	52441658	393812	Intergenic	NM_001110524	brd2b	7.186873336	3.989653562	3.197219774	6.19E-08
peak_12963	chr8	16964710	16965029	18984	intron (NM_001128408, intron 1 of 2)	NM_001128408	rnf11b	4.770571942	1.573536806	3.197035136	3.38E-07
peak_11906	chr1	21703074	21703376	77385	Intergenic	NM_212731	gtf2e2	6.352831291	3.155864761	3.19696653	1.23E-07
peak_4223	chr17	37003154	37003848	-17807	Intergenic	NM_001004110	myo6b	8.582593055	5.38603604	3.196557015	2.14E-13
peak_16758	chr4	4541845	4542349	83133	Intergenic	NM_001080651	creb3l2	6.95683454	3.760679774	3.196154766	6.16E-06
peak_6576	chr23	5971912	5972468	-138919	Intergenic	NM_205567	csrp1a	8.5695466	5.373411349	3.19613525	7.80E-11
peak_3867	chr17	17026658	17027147	251150	intron (NM_001080009, intron 18 of 23)	NM_001080009	nrxn3a	7.587351858	4.391359231	3.195992627	6.67E-14
peak_5072	chr21	6151608	6152222	94597	Intergenic	NM_212591	cdk9	8.682454179	5.486752788	3.195701391	2.69E-12
peak_14699	chr5	46185781	46186091	-70549	Intergenic	NM_001111220	gas1a	6.233741789	3.038151433	3.195590356	1.46E-06
peak_13480	chr24	37002681	37003361	25893	Intergenic	NM_213515	ube2v2	8.738635888	5.543343553	3.195292334	5.46E-07
peak_21049	chr2	207373	207856	7477	intron (NM_001077327, intron 11 of 20)	NM_001077327	zgc:154086	4.90833784	1.713875669	3.194462171	6.87E-05
peak_14006	chr5	26272769	26273095	-15672	intron (NM_001122748, intron 3 of 13)	NM_001008576		6.473818841	3.280538008	3.193280832	8.50E-07
peak_16046	chr21	18814813	18815426	-67377	Intergenic	NM_212709	ppp1r3b	7.313761648	4.120663283	3.193098365	3.89E-06
peak_7304	chr12	6500402	6501033	-72843	Intergenic	NM_001161653_1	plce1	9.83288905	6.640400502	3.192488548	3.09E-10
peak_15065	chr24	11237114	11237449	-18885	Intergenic	NM_200178	acad11	5.924717384	2.732236189	3.192481195	1.90E-06
peak_5289	chr9	1001013	1001927	-35623	Intergenic	NM_001110451	stk24a	9.070786299	5.878336438	3.19244986	4.68E-12
peak_16052	chr2	11614173	11614634	89248	Intergenic	NM_001004569	abhd3	6.079678945	2.88766439	3.192014555	3.90E-06
peak_11466	chr2	10331762	10332060	-89814	Intergenic	NM_213090	scinlb	6.231712381	3.040089443	3.191622937	7.96E-08
peak_8293	chr7	70667717	70668147	-236837	Intergenic	NM_199682	ap1g1	6.927078562	3.735849823	3.191228739	1.57E-09
peak_8613	chr11	19146693	19147390	-21400	Intergenic	NM_131245	id1	9.289712418	6.099374251	3.190338167	2.40E-09
peak_17054	chr12	19403972	19404359	20118	Intergenic	NM_001195126	si:dkey-7e14.3	5.923972214	2.733869084	3.19010313	7.26E-06

peak_18552	chr21	26429549	26429819	-24498	Intergenic	NM_001045853	ppp1r14ba	3.8361042	0.646338197	3.189766003	1.83E-05
peak_18553	chr6	15485488	15485772	53287	Intergenic	NM_001079679	mlphb	3.8361042	0.646338197	3.189766003	1.83E-05
peak_23854	chr17	32247361	32247880	328163	Intergenic	NM_001077604	klf11b	7.31998297	4.130265542	3.189717428	0.000243
peak_16081	chr8	29585755	29586169	42006	Intergenic	NM_001014340	ocstamp	6.016415696	2.826759791	3.189655905	3.96E-06
peak_1913	chr17	14939866	14940656	50221	Intergenic	NM_001136255	gch1	9.75214354	6.563530778	3.188612763	3.15E-18
peak_15334	chr10	20553165	20553451	-26554	Intergenic	NM_001099244	loxl2a	5.752286092	2.563871148	3.188414945	2.33E-06
peak_21493	chr12	50327988	50328654	68654	Intergenic	NM_181766	anxa11b	7.139055068	3.950886243	3.188168825	8.49E-05
peak_8813	chr20	8941247	8942087	-344618	Intergenic	NM_001040685	dab1a	8.398617084	5.210497748	3.188119335	3.22E-09
peak_17499	chr4	3740827	3741822	-111397	Intergenic	NM_001144049	gpr37b	8.333368513	5.145932807	3.187435706	9.76E-06
peak_3884	chr14	28967112	28967590	84470	Intergenic	NM_200569	tsc22d3	8.59826806	5.410982075	3.187285985	6.97E-14
peak_4181	chr24	2945527	2946533	91921	Intergenic	NM_130916	inhbaa	9.05849032	5.871301241	3.187189079	1.86E-13
peak_16106	chr11	42841204	42841571	-102648	Intergenic	NM_001002369	akr7a3	4.517048459	1.330227956	3.186820503	4.02E-06
peak_8827	chr18	15164345	15164775	-18038	intron (NM_001044970, intron 16 of 26)	NM_001044974	si:dkey-103i16.2	5.822891322	2.636168109	3.186723213	3.32E-09
peak_21685	chr13	49772312	49773696	-47151	Intergenic	NM_001003463	ntpcr	9.22798202	6.041408068	3.186573951	9.33E-05
peak_12737	chr2	36242613	36242840	-21518	Intergenic	NM_001199372_1	LOC100331689	5.145299012	1.959097469	3.186201543	2.74E-07
peak_13440	chr3	31784618	31785155	26086	Intergenic	NM_131140	fzd2	5.85521994	2.669353018	3.185866922	5.27E-07
peak_17051	chr12	7051105	7051394	-98127	Intergenic	NM_131003	dkk1b	4.675493122	1.490687863	3.184805259	7.24E-06
peak_20024	chr6	18782158	18782358	53562	Intergenic	NM_001114571	zgc:174863	5.367064887	2.182425019	3.184639868	4.18E-05
peak_13704	chr3	40803372	40804138	-75	promoter-TSS (NM_213156)	NM_213156	arpc1b	7.990664496	4.80608052	3.184583976	6.59E-07
peak_3380	chr4	6247795	6248304	-10684	Intergenic	NM_001166228	dock4b	7.889001914	4.70454901	3.184452904	9.51E-15
peak_8026	chr6	46275083	46275626	-68397	Intergenic	NM_001003535	pbrm1l	7.830661017	4.646293301	3.184367715	9.95E-10
peak_20040	chr19	40198794	40199154	228018	Intergenic	NM_212579	col9a2	5.956303497	2.772535203	3.183768294	4.23E-05
peak_4329	chr4	13073893	13074454	-36436	Intergenic	NM_001030098	prickle1b	7.766437903	4.582830517	3.183607386	2.96E-13
peak_10050	chr4	10607133	10607541	37968	Intergenic	NM_001007767	net1	7.331663425	4.148075248	3.183588177	1.64E-08
peak_10117	chr12	27508327	27508948	-17475	Intergenic	NM_001020652	sncgb	7.329333292	4.145869309	3.183463983	1.77E-08
peak_12739	chr21	17848426	17848896	-15084	Intergenic	NM_001020689	nefma	6.929775546	3.747797843	3.181977703	2.75E-07
peak_9214	chr23	32700784	32701419	69980	Intergenic	NM_200286	taf8	7.897525989	4.716084499	3.181441491	5.66E-09
peak_25928	chr3	56030466	56030869	-31264	Intergenic	NM_183066	hbae3	6.044725542	2.863331038	3.181394504	0.000537
peak_3735	chr20	4892085	4892591	33055	intron (NM_001045187, intron 6 of 9)	NM_001045187	zdhhc14	7.473316817	4.292317447	3.18099937	3.84E-14
peak_7712	chr9	32376244	32376756	60962	Intergenic	NM_131558	zic2a	7.915887186	4.734944161	3.180943025	6.13E-10
peak_7235	chr12	18697012	18697503	9596	intron (NM_001076759, intron 12 of 17)	NM_001076759	zgc:153062	7.571346198	4.390405518	3.180940681	2.74E-10
peak_7047	chr19	712977	713590	-35805	Intergenic	NM_001045060	zgc:162356	8.704616569	5.52384463	3.180771939	1.87E-10
peak_9399	chr5	74786318	74787141	48089	Intergenic	NM_001003993	ak1	8.704870813	5.524401667	3.180469146	7.37E-09
peak_16440	chr3	44084150	44085576	-125712	Intergenic	NR_030104		5.021839771	1.841715362	3.180124409	5.06E-06
peak_5477	chr2	2888394	2889145	126	exon (NM_207059, exon 1 of 4)	NM_207059	aqp1a.1	8.783290661	5.603850704	3.179439956	7.29E-12
peak_27949	chr21	10654804	10655257	35721	intron (NM_001002562, intron 1 of 12)	NM_001002562	celf4	6.579651877	3.400274717	3.17937716	0.001087
peak_14573	chr19	38708794	38709148	-5638	Intergenic	NM_001044823	cx39.4	5.793790223	2.614512315	3.179277908	1.31E-06
peak_22322	chr25	13933088	13933789	3225	intron (NM_200833, intron 1 of 5)	NM_200833	snrkb	6.690921903	3.511892981	3.179028922	0.000126
peak_25690	chr19	22783769	22784522	46734	intron (NM_001045159, intron 9 of 9)	NM_199656	slc52a2	8.096526548	4.917683585	3.178842963	0.000494
peak_9835	chr15	35132950	35133184	-67867	Intergenic	NM_001017614	rhbdd1	5.664647767	2.486116082	3.178531685	1.29E-08
peak_15217	chr21	8428131	8428427	122889	Intergenic	NM_001076741	esm1	5.960546374	2.782395513	3.178150861	2.12E-06
peak_13646	chr8	10064411	10064938	50536	intron (NM_001098489, intron 3 of 31)	NM_001098489	plxna3	6.756574359	3.578838879	3.17773548	6.28E-07
peak_14111	chr13	39768288	39768818	19807	intron (NM_001145594, intron 8 of 19)	NM_001145594	LOC566435	8.075283799	4.897720177	3.177563622	9.23E-07
peak_10732	chr10	29897752	29898198	18799	intron (NM_200927, intron 1 of 19)	NM_200927	picalma	6.195466406	3.018151909	3.177314497	3.57E-08
peak_8259	chr22	5611512	5612700	388	intron (NM_200869, intron 1 of 8)	NM_200869	zgc:77816	9.194793434	6.017900921	3.176892514	1.49E-09
peak_15467	chr7	36984066	36984526	-13542	Intergenic	NM_001023575	irx6a	7.326177578	4.149594199	3.176583379	2.55E-06
peak_21739	chr2	49080440	49080761	-130833	Intergenic	NM_001100058	LOC797092	5.544213763	2.367686229	3.176527534	9.61E-05
peak_14294	chr13	33659190	33659461	-36635	intron (NM_199898, intron 16 of 21)	NM_001114925	btbd6a	5.048071517	1.871652568	3.176418949	1.05E-06
peak_12207	chr24	28082138	28082555	44238	Intergenic	NM_001077583	zmynd11	7.062162779	3.886402012	3.175760767	1.64E-07
peak_24737	chr9	34945590	34946382	-53218	Intergenic	NR_039078		8.332895269	5.157895743	3.174999526	0.00035
peak_23458	chr4	6033817	6034384	1700	exon (NM_131499, exon 2 of 2)	NM_131499	gpr85	6.717525399	3.542576097	3.174949302	0.000203
peak_14474	chr18	17102850	17103324	15390	exon (NM_001002193, exon 3 of 13)	NM_001002193	zgc:91860	7.274732448	4.100372803	3.174359644	1.24E-06
peak_16159	chr10	19084009	19084364	36681	Intergenic	NM_001004006	tmem230a	6.110009366	2.936063241	3.173946124	4.16E-06
peak_25273	chr16	58232377	58235657	43832	Intergenic	NM_001077321	spag1b	9.60970673	6.436224322	3.173482408	0.000428
peak_14364	chr8	55067496	55067744	4612	exon (NM_001080987, exon 2 of 6)	NM_001080987	cyr61	5.157090365	1.983794631	3.173295733	1.12E-06
peak_17426	chr18	25362920	25363279	33523	Intergenic	NM_001103120	pex11a	6.04105741	2.868020531	3.173036879	9.26E-06
peak_12377	chr3	27989707	27990067	40564	intron (NM_201498, intron 14 of 15)	NM_200562	carhsp1	6.525215294	3.352418508	3.172796786	1.95E-07
peak_26724	chr9	24581191	24581605	-84820	Intergenic	NM_001020506	tas2r203	6.919823017	3.747148202	3.172674815	0.000706
peak_20941	chr19	21601185	21601544	-289642	Intergenic	NM_001042746	tshz1	6.030313521	2.857668189	3.172645331	6.51E-05
peak_13075	chr16	32987745	32988131	79952	Intergenic	NM_001013340	fam210a	5.863950866	2.69149048	3.172460386	3.79E-07
peak_27773	chr10	45582250	45582523	-28275	Intergenic	NM_001018125_1	cryba4	3.657311474	0.48510786	3.172203614	0.001022
peak_17976	chr15	10337144	10338118	86766	Intergenic	NM_001002694	prcp	7.311003239	4.139325242	3.171677997	1.35E-05
peak_26090	chr5	65967549	65967945	-105988	Intergenic	NM_001039813	adora2b	6.034699497	2.863331038	3.171368459	0.000568
peak_19543	chr8	33532917	33533395	120100	Intergenic	NM_001123324	zgc:194839	6.405254598	3.235181126	3.170073472	3.18E-05
peak_21028	chr15	24271947	24272403	-10148	Intergenic	NR_030022		6.455367821	3.285640672	3.169727149	6.81E-05
peak_14929	chr11	18829929	18830259	-135694	Intergenic	NM_200467	tmem110	5.70702943	2.537465366	3.169564064	1.71E-06
peak_11250	chr8	22448572	22448940	-436044	Intergenic	NM_194404	dffb	5.146540944	1.977071971	3.169468973	6.33E-08
peak_15428	chr7	61886678	61886998	-126767	Intergenic	NM_001005985	rwdd	5.877146932	2.707699814	3.169447118	2.47E-06
peak_10096	chr22	41072018	41072369	23813	exon (NM_001037696, exon 5 of 6)	NM_001003489	tm4sf4	5.795001776	2.62599996	3.169001815	1.73E-08
peak_17895	chr3	25674269	25674631	-82213	Intergenic	NM_213035	grb2b	5.819368769	2.650663856	3.168704912	1.28E-05
peak_3013	chr2	2824862	2825488	-63468	Intergenic	NM_207059	aqp1a.1	8.270395505	5.102921633	3.167473872	2.17E-15
peak_11152	chr9	41731411	41732114	112042	Intergenic	NM_001128564	vwc2l	8.931323321	5.764803382	3.166519938	5.77E-08
peak_19843	chr24	2948561	2948909	89216	Intergenic	NM_130916	inhbaa	6.030313521	2.863796276	3.166517245	3.76E-05
peak_19903	chr21	22066468	22066932	-104	promoter-TSS (NM_001045422)	NM_001045422	dub	6.39194889	3.225678098	3.166270792	3.88E-05
peak_21425	chr12	7486331	7486829	90706	intron (NM_001012486, intron 5 of 32)	NM_001012486	pcdh15b	6.351232103	3.185381098	3.165851005	8.24E-05
peak_18231	chr23	24359768	24360317	-656	promoter-TSS (NR_029964)	NR_029964		8.300339712	5.134604384	3.165735329	1.55E-05
peak_3338	chr7	25957589	25958673	37829	Intergenic	NM_001002500	otub1b	10.68280265	7.517201646	3.165601	8.07E-15
peak_14809	chr13	32478768	32479167	110995	Intergenic	NM_001006079	osr1	6.81645707	3.651437392	3.165019678	1.58E-06
peak_16286	chr12	46527669	46528324	93439	Intergenic	NM_212942	fbxl15	7.402665842	4.237900444	3.164765399	4.53E-06
peak_14015	chr5	33956059	33956465	4487	Intergenic	NM_001098732	hspb15	4.846840202	1.682381901	3.164458301	8.55E-07
peak_3268	chr3	59621660	59622299	40696	intron (NM_001285388, intron 8 of 15)	NM_001285388	si:ch73-281f12.4	9.058276912	5.89472526	3.163551652	5.93E-15
peak_22486	chr4	27070114	27070732	123388	intron (NM_214799, intron 10 of 13)	NM_214799	tbc1d22a	6.839157386	3.675789782	3.163367604	0.000134
peak_29902	chr16	29212281	29212741	-105782	Intergenic	NM_001002108	ino80c	6.836070522	3.672749131	3.16332139	0.001968
peak_17405	chr25	33171233	33171817	99509	Intergenic	NM_001008639	zgc:101540	3.931577743	0.768621462	3.162956281	9.16E-06
peak_20788	chr25	10837088	10837404	3808	intron (NM_199684, intron 1 of 24)	NM_199684	ppp6r3	6.112553586	2.950323523	3.162230063	6.08E-05
peak_12228	chr6	198221	199001	-18962	Intergenic	NM_213233	atf4b1	8.098868108	4.936779213	3.162088895	1.67E-07
peak_10356	chr1	11301455	11301869	11016	intron (NM_001008591, intron 5 of 8)	NM_001008591	tspan5b	5.856381009	2.694696242	3.161684766	2.32E-08
peak_16554	chr15	44895606	44896276	47886	Intergenic	NM_001033749	sagb	7.199070663	4.037481324	3.161589339	5.44E-06
peak_28109	chr11	25959497	25960209	31502	exon (NM_001007295, exon 3 of 10)	NM_001007295	zgc:92107	6.319019468	3.157458375	3.161561093	0.001145
peak_10985	chr17	5284920	5285200	40531	Intergenic	NM_001007385	clic5a	6.096200529	2.934667299	3.16153323	4.80E-08
peak_29984	chr25	30371635	30372285	-7040	exon (NM_001177498, exon 2 of 2)	NM_001177497	ugt5a5	6.594783512	3.433397841	3.161385671	0.002018
peak_11054	chr23	28197650	28198543	72169	Intergenic	NM_194371	sp5l	9.094199957	5.933176649	3.161023307	5.24E-08
peak_10091	chr17	53473341	53473946	41079	exon (NM_001076722, exon 11 of 11)	NM_131896_1	meis2a	7.387221051	4.226450155	3.160770896	1.72E-08
peak_9506	chr6	16193758	16194099	130084	Intergenic	NM_001002395	faimb	5.970418617	2.810141189	3.160277428	8.39E-09
peak_9547	chr5	20290830	20291170	390231	Intergenic	NM_201009	aacs	6.397712314	3.237663382	3.160048932	8.94E-09
peak_12408	chr8	2967083	2967424	-24634	exon (NM_001039998, exon 11 of 11)	NM_001045162	crb2b	6.49034032	3.330319664	3.160020656	2.01E-07
peak_8709	chr4	8554064	8554525	3959	intron (NM_001142563, intron 1 of 13)	NM_001142563	lmf2b	6.656607019	3.496662476	3.159944544	2.78E-09
peak_7751	chr20	31617832	31618549	-94982	Intergenic	NM_001044819	sash1a	7.68171104	4.52203519	3.15967585	6.49E-10
peak_14235	chr19	29585548	29586243	191317	Intergenic	NM_001080628	zgc:158604	7.767542313	4.608042173	3.15950014	1.01E-06
peak_14459	chr21	5848234	5848552	28565	Intergenic	NM_213221	ccni	5.512692831	2.353473226	3.159219605	1.22E-06
peak_13940	chr22	13564960	13565388	-261151	Intergenic	NM_131264	ahr2	6.807444473	3.648891294	3.158553179	7.97E-07
peak_24853	chr9	9043269	9043599	-7794	Intergenic	NM_001040356	ing1	5.874526102	2.716259194	3.158266908	0.000368
peak_7112	chr15	27627676	27628032	-16338	Intergenic	NM_200976	prpf8	6.311272049	3.153605954	3.157666095	2.16E-10
peak_15468	chr20	34634190	34634543	60301	Intergenic	NM_001004606	zgc:92470	5.986152488	2.828639921	3.157512566	2.55E-06
peak_13918	chr18	32297277	32297578	86757	Intergenic	NM_001144796	c3orf33	5.739973482	2.582598103	3.157375379	7.82E-07

peak_10277	chr19	2093416	2093785	-9171	intron (NM_198819, intron 27 of 28)	NM_001144806	LOC792465	6.173058203	3.015688703	3.1573695	2.15E-08
peak_18249	chr19	6750219	6751543	-44803	Intergenic	NM_001044921	gsk3aa	8.251355559	5.094069911	3.157285648	1.57E-05
peak_11242	chr23	18805125	18805651	-25237	Intergenic	NM_001080694	zgc:158296	7.491663305	4.334428403	3.157234902	6.28E-08
peak_10220	chr18	23782207	23782571	-123324	Intergenic	NM_131183	nr2f2	7.2116281	4.054509799	3.157118301	1.98E-08
peak_13172	chr17	23956623	23957009	64626	Intergenic	NM_205752	b3gnt2b	6.236968832	3.080074673	3.156894159	4.14E-07
peak_6198	chr13	34928870	34929510	16083	intron (NM_001100953, intron 7 of 12)	NM_001100953	tasp1	7.586329282	4.429663374	3.156665908	3.72E-11
peak_14281	chr24	14933256	14933535	92057	intron (NM_001089439, intron 2 of 7)	NM_001089439	dok6	5.441983226	2.285532808	3.156450418	1.05E-06
peak_16428	chr3	28671566	28672445	144405	Intergenic	NM_001201336	fbxl16	7.855231018	4.700224943	3.155006075	5.02E-06
peak_24139	chr25	12833274	12835143	-11446	Intergenic	NM_001122750	smpd3	3.374565546	0.219835396	3.15473015	0.000273
peak_15758	chr9	27821486	27821891	-541510	Intergenic	NM_001126402	si:rp71-84d19.3	5.974620244	2.8200688	3.154551444	3.19E-06
peak_7633	chr10	1786605	1787732	-42068	intron (NM_131223, intron 12 of 23)	NR_036690		8.63911927	5.485331826	3.153787444	5.41E-10
peak_11567	chr5	30589818	30590166	-21728	Intergenic	NM_001089376	stxbp1b	6.902609781	3.749082724	3.153527056	8.78E-08
peak_13186	chr11	10006307	10006729	31396	intron (NM_001142265, intron 2 of 5)	NM_001142265	nlgn1	6.637678334	3.484814522	3.152863812	4.18E-07
peak_10268	chr3	58673235	58673779	-79818	Intergenic	NM_001080585	syngr2a	7.207617634	4.054827539	3.152790095	2.12E-08
peak_4270	chr6	4928908	4929522	497015	Intergenic	NM_201285	pou4f1	8.531285956	5.378796353	3.152489603	2.48E-13
peak_4481	chr11	33059871	33061186	473325	Intergenic	NM_001003624	diaph3	9.674691239	6.522395319	3.15229592	5.05E-13
peak_13230	chr18	47449816	47450353	18698	exon (NM_001083029, exon 8 of 12)	NM_001003854	st3gal4	7.320961872	4.168925143	3.152036729	4.32E-07
peak_19539	chr9	24911144	24912396	-17318	Intergenic	NM_200229	cops8	8.567860634	5.415883895	3.151976739	3.17E-05
peak_5116	chr1	42445790	42446270	214237	Intergenic	NM_201502	smox	7.238434059	4.086847382	3.151586677	3.08E-12
peak_18421	chr14	14015798	14016762	-16694	Intergenic	NM_001159584	itln3	7.964088007	4.813345414	3.150742592	1.71E-05
peak_16285	chr1	13316947	13317326	-47	promoter-TSS (NM_131624)	NM_131624	slc34a2a	6.083269219	2.932779962	3.150489257	4.52E-06
peak_20310	chr7	50571789	50572396	244604	Intergenic	NM_131433	igf2a	7.748508253	4.598054624	3.150453629	4.84E-05
peak_17524	chr21	19249513	19250088	25034	Intergenic	NM_001006022	zgc:103482	7.47046114	4.32073006	3.14973108	9.93E-06
peak_2307	chr20	43401957	43402552	-8588	Intergenic	NM_001044916	unc93a	9.614850569	6.465472594	3.149377975	5.05E-17
peak_13889	chr12	9051151	9051570	-177710	Intergenic	NM_001008634	adoa	6.957719176	3.808644528	3.149074648	7.65E-07
peak_16360	chr12	25187549	25187982	-47207	Intergenic	NM_001035261	svila	6.827191293	3.67819902	3.148992273	4.79E-06
peak_23544	chr21	6169278	6169639	112140	Intergenic	NM_212591	cdk9	5.95060611	2.80162552	3.14898059	0.00021
peak_9753	chr7	55861774	55862177	-36061	Intergenic	NM_001030081	znf609	6.473324035	3.324618019	3.148706016	1.16E-08
peak_10763	chr25	15199712	15199987	69118	Intergenic	NM_200452	dnajc24	5.911220758	2.762618914	3.148601844	3.71E-08
peak_28117	chr15	18913274	18913886	-38150	Intergenic	NM_001017764	zgc:112083	3.368192036	0.219835396	3.14835664	0.001147
peak_26273	chr1	18659966	18661129	-73253	Intergenic	NM_205685	grhprb	8.826490855	5.678829048	3.147661807	0.000603
peak_4957	chr5	38698600	38699531	11279	Intergenic	NM_201576	tagln2	9.017828414	5.870311809	3.147516605	1.96E-12
peak_2188	chr19	39231402	39232567	62745	intron (NM_001122760, intron 1 of 26)	NM_001122760	thsd7a	9.83071353	6.683230986	3.147482545	2.11E-17
peak_23396	chr13	21475504	21475959	314855	Intergenic	NM_001045412	tspan14	6.331920453	3.184881605	3.147038847	0.000198
peak_15678	chr10	43698998	43699343	-24442	Intergenic	NM_001002201	dbnla	5.827179997	2.680269923	3.146910074	3.01E-06
peak_17442	chr8	36948563	36948965	426729	Intergenic	NM_200957	slc15a4	6.052735155	2.905998569	3.146736586	9.35E-06
peak_19507	chr16	54340704	54341417	-370116	intron (NM_001017775, intron 7 of 7)	NM_213187	dhdds	7.481719915	4.335115329	3.146604587	3.10E-05
peak_6861	chr15	214518	215968	8343	intron (NM_001042691, intron 2 of 15)	NM_001042691	limk1a	10.27017253	7.123771903	3.146400625	1.31E-10
peak_7467	chr8	47072007	47072927	44451	Intergenic	NM_001017904	zgc:113060	7.338487567	4.192236944	3.146250623	4.07E-10
peak_3838	chr24	1260019	1260802	70575	intron (NM_181497, intron 3 of 16)	NM_181497	nrp1a	9.073861328	5.927852231	3.146009098	5.88E-14
peak_14401	chr6	40360722	40361181	4938	exon (NM_001013488, exon 11 of 11)	NM_001013488	ccdc174	6.678930464	3.533043882	3.145886582	1.16E-06
peak_8357	chr12	13245753	13246127	489749	Intergenic	NM_001114932_1	wapalb	6.203280236	3.057745325	3.145534911	1.71E-09
peak_5180	chr22	33033133	33033747	12302	intron (NM_131237, intron 3 of 5)	NR_111928		7.067089982	3.921701455	3.145388528	3.62E-12
peak_3856	chr20	12993224	12994142	61361	intron (NM_173267, intron 12 of 19)	NM_173267	ints7	8.627308989	5.482130119	3.14517887	6.33E-14
peak_9821	chr23	24264630	24264980	59501	intron (NM_200454, intron 6 of 15)	NM_200454	ptpn11b	6.186722431	3.041823356	3.144899075	1.28E-08
peak_16627	chr19	44884180	44884488	-16741	Intergenic	NM_199909	cap1	6.157996371	3.013573968	3.144422404	5.68E-06
peak_5090	chr13	10082538	10083260	-103554	Intergenic	NM_001145616	prepl	7.849702403	4.705348834	3.144353568	2.86E-12
peak_20975	chr13	6647453	6647760	-12127	Intergenic	NM_205675	pitx3	6.090404249	2.946101658	3.144302591	6.62E-05
peak_16944	chr8	52071183	52071659	44186	Intergenic	NM_200180	rmi1	7.90701864	4.762754848	3.144263793	6.84E-06
peak_9799	chr6	36035635	36036294	-124317	Intergenic	NM_001102618	rhcg2a	7.039721229	3.896319553	3.143401676	1.24E-08
peak_9406	chr20	37931300	37931649	26389	Intergenic	NM_001029960	angel2	6.112553586	2.969770679	3.142782908	7.43E-09
peak_15004	chr17	14477236	14477840	34796	intron (NM_001204257, intron 4 of 17)	NM_001204257	ppp1r13ba	7.27601799	4.133534803	3.142483186	1.80E-06
peak_18504	chr14	25738439	25739105	22025	intron (NM_131736, intron 3 of 35)	NM_131736	slit3	7.681610201	4.539309511	3.14230069	1.79E-05
peak_20555	chr17	10678680	10679090	20400	Intergenic	NM_214693	lgals3l	4.955908035	1.813729373	3.142178662	5.48E-05
peak_15793	chr5	68733122	68733563	38106	intron (NM_131302, intron 4 of 33)	NM_131302	notch1b	6.754755058	3.612577683	3.142177376	3.26E-06
peak_8958	chr1	12503462	12503978	-347848	Intergenic	NM_001115058	pcdh18a	7.718280775	4.576129045	3.142151731	3.95E-09
peak_13815	chr10	42265562	42265869	39693	intron (NM_001039812, intron 7 of 19)	NM_001039812	bmp1b	5.424624391	2.282535302	3.142089089	7.20E-07
peak_20305	chr13	43202499	43203060	-52608	Intergenic	NM_200659	mlh1	7.705865406	4.563902183	3.141963223	4.83E-05
peak_12653	chr6	57611276	57612063	-6565	Intergenic	NM_001076592	zgc:153702	8.808073691	5.666398218	3.141675473	2.51E-07
peak_16826	chr5	32213369	32213655	-14030	intron (NM_001077383, intron 2 of 14)	NM_001089411	dpagt1	5.132783983	1.991157761	3.141626222	6.38E-06
peak_15952	chr21	41892746	41893163	1652	intron (NM_001024434, intron 2 of 12)	NM_001024434	atg4a	5.80764075	2.66639814	3.141242609	3.63E-06
peak_17447	chr2	5760996	5761550	-3194	Intergenic	NM_001013471	prdx1	7.099269022	3.95809214	3.141176882	9.39E-06
peak_8394	chr16	58150225	58152872	37711	Intergenic	NM_200431	fbxo43	9.739518111	6.598599335	3.140918776	1.82E-09
peak_9824	chr13	238565	238941	15184	Intergenic	NM_205651	slc30a6	6.903517575	3.763007858	3.140509718	1.28E-08
peak_21361	chr22	35556342	35556753	-178786	Intergenic	NM_213117_1	zgc:65870	6.713131524	3.572904781	3.140226743	7.98E-05
peak_16932	chr13	43847322	43847731	-35342	intron (NM_214809, intron 52 of 68)	NM_001077581	zgc:153073	7.126494699	3.986657851	3.139836848	6.78E-06
peak_15206	chr19	2615050	2615472	-69116	Intergenic	NM_213241	sp8a	5.427181529	2.287699186	3.139482344	2.10E-06
peak_13431	chr9	29662746	29663114	-59296	Intergenic	NM_001044782	zgc:162396	6.567622103	3.428365997	3.139256106	5.24E-07
peak_6700	chr19	22195849	22196449	2741	intron (NM_001159669, intron 1 of 3)	NM_001159669	LOC100003866	7.895490678	4.75626419	3.139226488	9.85E-11
peak_16058	chr8	31338062	31338450	-10956	intron (NM_001126396, intron 9 of 10)	NM_001123253	si:dkey-91m11.5	7.274740731	4.135907144	3.138833587	3.92E-06
peak_4659	chr19	957967	959046	56203	Intergenic	NM_200413	slc44a4	8.67998732	5.541351414	3.138635906	8.28E-13
peak_8009	chr15	41781244	41781516	-29825	intron (NM_001045128, intron 7 of 13)	NM_001082897	kcne4	5.836851272	2.698463969	3.138387303	9.73E-10
peak_8770	chr11	22030080	22030562	20956	intron (NM_201303, intron 1 of 9)	NM_201303	mapkapk2a	6.369741525	3.231396719	3.138344806	3.01E-09
peak_19937	chr4	9790595	9791193	4575	intron (NM_001290178, intron 3 of 67)	NM_001290178	stab2	7.332482119	4.194784373	3.137697746	3.96E-05
peak_4302	chr5	73184127	73184785	-24690	Intergenic	NM_001003629	rgs3a	8.348802452	5.21114567	3.137656782	2.69E-13
peak_10399	chr15	9553554	9553947	-14650	Intergenic	NM_001013517	zgc:110155	6.345820302	3.208555341	3.13726496	2.43E-08
peak_14190	chr23	23546319	23546750	-72975	Intergenic	NM_001003830	noc2l	7.261863773	4.124642237	3.137221536	9.79E-07
peak_19810	chr3	55894141	55894656	11041	exon (NM_001082850, exon 3 of 3)	NM_001082850	mpg	7.025099932	3.887915788	3.137184144	3.68E-05
peak_20735	chr2	18550991	18551793	2107	TTS (NM_001126483)	NM_001126483	si:dkey-1p9.2	7.417054316	4.280412375	3.136641941	5.95E-05
peak_9136	chr11	825405	825765	65992	Intergenic	NM_213275	vgll4b	6.312932259	3.176290894	3.136641365	5.04E-09
peak_18254	chr14	14747847	14748154	49146	intron (NM_001114729, intron 10 of 25)	NM_001258226	dicp2.1	5.809993993	2.673420831	3.136573162	1.58E-05
peak_12583	chr11	38325301	38325846	-145489	Intergenic	NM_001040385	egfl7	7.639021844	4.502843496	3.136178348	2.35E-07
peak_16930	chr19	46927351	46928016	-2001	TTS (NM_200242)	NM_001044748	tbk1	4.737939164	1.601791524	3.13614764	6.78E-06
peak_7453	chr7	72494048	72494501	67248	Intergenic	NM_200899	myoz2a	7.411876779	4.275742972	3.136133807	4.00E-10
peak_11451	chr9	24189805	24190565	68	promoter-TSS (NM_001020723)	NM_001020723	lypd6b	6.975668741	3.839674028	3.135994714	7.83E-08
peak_14598	chr1	2463255	2463534	-6348	Intergenic	NM_001109719	zgc:171629	5.804080716	2.668276035	3.135804681	1.35E-06
peak_18060	chr5	45181094	45181560	92201	Intergenic	NM_001099974	rhobtb2a	7.259434778	4.123658756	3.135776022	1.41E-05
peak_15998	chr5	19257940	19258327	-300854	Intergenic	NM_001100015	chfr	5.966204717	2.830869345	3.135335372	3.77E-06
peak_20897	chr4	22759627	22760122	49740	intron (NM_001130599, intron 2 of 13)	NM_001130599	usp6nl	6.149950753	3.015006331	3.134944421	6.40E-05
peak_10435	chr14	52037672	52038078	82	promoter-TSS (NM_001114465_1)	NM_001114465_1	unc5a	7.45910652	4.324337234	3.134769287	2.53E-08
peak_21103	chr23	32320333	32320596	15591	intron (NM_199543, intron 5 of 7)	NM_199543	cd63	5.364398841	2.229879429	3.134519412	7.05E-05
peak_16586	chr20	51838320	51838774	29119	intron (NM_212800, intron 6 of 8)	NM_001130595	tlr5b	7.24816479	4.113690005	3.134474785	5.55E-06
peak_4287	chr6	59828786	59829775	-17487	Intergenic	NM_001080701	slc32a1	8.913054251	5.779074058	3.133980193	2.61E-13
peak_16459	chr15	24289931	24290450	-28163	Intergenic	NR_030022		6.95610578	3.822196353	3.133909427	5.12E-06
peak_5749	chr8	51555901	51556704	49930	Intergenic	NM_001161445	plp2	8.951941189	5.818043581	3.133897608	1.33E-11
peak_11936	chr11	35115109	35115380	72863	Intergenic	NM_001045355	tmem44	5.801740793	2.668485445	3.133255349	1.27E-07
peak_20875	chr8	666354	666699	-23817	Intergenic	NM_001017864	zgc:110697	5.315418998	2.182425019	3.132993979	6.32E-05
peak_14001	chr14	32131083	32131685	-110357	Intergenic	NM_131860	gpc4	7.114449556	3.982045915	3.132403641	8.43E-07
peak_12079	chr20	35954305	35954787	72552	exon (NM_001008583, exon 5 of 19)	NM_001008583	cd2ap	7.130275221	3.998887901	3.13138732	1.44E-07
peak_17729	chr5	41749525	41749884	85873	Intergenic	NM_001100034	si:dkey-193c22.1	5.711256571	2.580129082	3.131127489	1.15E-05
peak_17169	chr17	52720613	52721117	-100420	Intergenic	NM_194386	tgfb3	7.652878423	4.521753516	3.131124908	7.84E-06
peak_18230	chr5	72214125	72214412	76057	Intergenic	NM_178286	selm	5.094611555	1.963531935	3.131079619	1.55E-05
peak_4441	chr1	270933	272064	-42693	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	8.9063773	5.775382155	3.130995145	4.47E-13
peak_3355	chr13	53112549	53113071	124712	Intergenic	NM_001135784	nkx6.2	7.999039935	4.868054994	3.130984941	8.56E-15
peak_4308	chr17	14741636	14742213	13857	Intergenic	NM_200635	ptger2a	8.827077534	5.696243192	3.130834342	2.80E-13

peak_12731	chr19	1420116	1420522	36701	Intergenic	NM_200401	zgc:63863	6.600472199	3.469912756	3.130559442	2.73E-07
peak_16378	chr17	11632762	11633263	288571	intron (NM_001037400, intron 8 of 11)	NM_001037400	smyd3	6.154896133	3.024708172	3.130187961	4.82E-06
peak_11826	chr21	16904597	16905463	17774	Intergenic	NM_001123389	brd3a	7.171058511	4.041011443	3.130047069	1.11E-07
peak_24634	chr21	44314673	44315748	10539	intron (NM_001024377, intron 7 of 7)	NM_001024377	sar1b	7.24570415	4.11582796	3.12987619	0.000335
peak_10156	chr9	42776667	42777666	21197	Intergenic	NR_030514		10.0553787	6.92576387	3.129614831	1.85E-08
peak_17984	chr9	1431202	1432198	16944	intron (NM_001127405, intron 1 of 22)	NM_001127405	osbpl6	8.26502442	5.135531631	3.129492789	1.36E-05
peak_15606	chr4	10094189	10094511	-5256	Intergenic	NM_001130603	tmtc2	6.069547288	2.940223948	3.12932334	2.81E-06
peak_9907	chr5	65957808	65958185	-96237	Intergenic	NM_001039813	adora2b	6.552683493	3.423874045	3.128809447	1.41E-08
peak_19621	chr7	34014906	34015297	-13299	Intergenic	NM_001005306	slc39a13	7.550925911	4.42316034	3.127765572	3.33E-05
peak_12205	chr9	1437284	1437863	11071	intron (NM_001127405, intron 1 of 22)	NM_001127405	osbpl6	7.310433147	4.182795429	3.127637718	1.64E-07
peak_15251	chr7	70782675	70783065	176844	Intergenic	NM_001100142	phlpp2	6.2041751	3.076617842	3.127557259	2.19E-06
peak_18618	chr23	30434682	30435348	147587	Intergenic	NM_212848	uts2a	7.216384103	4.089155423	3.12722868	1.91E-05
peak_14589	chr16	46520641	46521009	-133016	Intergenic	NM_001114444_1	oxr1a	6.53971699	3.412504142	3.127212848	1.33E-06
peak_4005	chr8	21973966	21974790	53007	Intergenic	NM_001040382	si:dkey-24f17.5	8.409931345	5.28297511	3.126956234	1.07E-13
peak_4094	chr1	53048652	53049172	36073	Intergenic	NM_001256635	tacr3l	7.970949602	4.844217729	3.126731873	1.39E-13
peak_15802	chr18	11802709	11803018	-26861	Intergenic	NM_198372	fam107b	5.871900503	2.745358565	3.126541938	3.28E-06
peak_9016	chr14	20133447	20133842	-52891	Intergenic	NM_001037372	ptcd3	6.940965246	3.814488042	3.126477204	4.29E-09
peak_7465	chr23	5862584	5863646	-29844	Intergenic	NM_205567	csrp1a	9.029422872	5.904065155	3.125357717	4.06E-10
peak_5001	chr19	13190282	13191031	79878	Intergenic	NM_001044994	si:ch211-105d11.	8.705245732	5.580062016	3.125183716	2.24E-12
peak_15996	chr20	23578192	23578548	66428	Intergenic	NM_205656	cbr4	5.915619357	2.790535796	3.125083561	3.75E-06
peak_29055	chr14	9049744	9050421	13128	intron (NM_200073, intron 3 of 21)	NM_200073	rps6kal	6.610883232	3.485925545	3.124957687	0.001538
peak_11361	chr9	8742013	8742321	209209	Intergenic	NM_212771	rab20	5.836851272	2.712189552	3.124661721	7.08E-08
peak_11975	chr17	5981219	5981670	-58949	Intergenic	NM_001002462	dusp23b	6.907196485	3.782587975	3.12460851	1.32E-07
peak_11056	chr20	38147795	38148332	-78809	Intergenic	NM_001045004	ehd3	7.490434056	4.365881996	3.12455206	5.25E-08
peak_10451	chr2	478495	479712	-68825	Intergenic	NM_212920	wrnip1	8.618580036	5.494688721	3.123891316	2.58E-08
peak_7063	chr4	25659525	25660017	145496	Intergenic	NM_001002629	tnni1d	7.334542715	4.211098503	3.123444212	1.96E-10
peak_9018	chr4	48656452	48657866	871575	Intergenic	NM_001122615	zgc:174646	9.707691505	6.584347444	3.123344061	4.30E-09
peak_21068	chr5	67155312	67155693	216704	Intergenic	NM_001278808	pappab	3.342286181	0.219835396	3.122450785	6.93E-05
peak_2803	chr7	21165961	21166518	-42274	Intergenic	NM_001111237	snx15	8.765778471	5.643453549	3.122324921	7.72E-16
peak_11057	chr23	32703829	32704178	72882	Intergenic	NM_200286	taf8	6.678274062	3.556148035	3.122126027	5.26E-08
peak_13784	chr12	30531068	30531376	523	intron (NM_001102622, intron 1 of 8)	NM_001102622	zgc:171713	5.93339868	2.811395673	3.122003007	6.98E-07
peak_14485	chr16	27004154	27004441	80897	Intergenic	NM_199562	ywhabl	5.492783688	2.370993791	3.121789897	1.25E-06
peak_16465	chr18	19327180	19327443	-55520	Intergenic	NM_001080163	snapc5	5.269888677	2.149135593	3.120753085	5.14E-06
peak_16017	chr2	55302465	55302898	19310	intron (NM_200150, intron 1 of 8)	NM_200150	ankrd12	7.859135197	4.738383236	3.120751961	3.81E-06
peak_23692	chr1	37776786	37777323	-67607	Intergenic	NM_001083060	si:ch211-205a14.	3.829843083	0.709096771	3.120746312	0.000224
peak_8290	chr12	13520317	13520700	-704157	Intergenic	NM_131014	cmn	7.152907142	4.032432108	3.120475034	1.57E-09
peak_12728	chr18	46904326	46905431	-17577	Intergenic	NM_001017558_1	ets1	10.04517716	6.924708831	3.12046833	2.72E-07
peak_7002	chr9	2388423	2388879	-1105	Intergenic	NM_213000_1	chn1	8.024658163	4.904264128	3.120394036	1.70E-10
peak_21021	chr13	20772304	20772707	-93049	Intergenic	NM_001144786	si:ch1073-126c3.	3.340116769	0.219835396	3.120281373	6.78E-05
peak_16628	chr10	33305915	33306336	142970	intron (NM_201069, intron 12 of 14)	NM_201069	uvrag	7.323975784	4.203706832	3.120268953	5.68E-06
peak_16347	chr23	7426421	7426879	2911	intron (NM_001166126, intron 2 of 2)	NM_001166126	si:dkeyp-73a2.2	8.042902369	4.922634976	3.120267393	4.74E-06
peak_19617	chr5	35796643	35797235	6074	intron (NM_001128543, intron 1 of 6)	NM_001128543	LOC567525	7.124123385	4.004139278	3.119984107	3.32E-05
peak_13739	chr24	19974390	19974818	-93399	Intergenic	NM_001003846	sulf1	7.296350787	4.176518154	3.119832633	6.76E-07
peak_10847	chr9	4170643	4171578	-444554	Intergenic	NM_001020664	rprma	8.730359008	5.610604291	3.119754718	4.09E-08
peak_17851	chr24	25766589	25767493	-32322	Intergenic	NM_001202492	si:dkey-11p10.10	7.223030255	4.103286631	3.119743624	1.24E-05
peak_14679	chr14	36239239	36239744	129931	Intergenic	NM_001007108	il12ba	6.440435614	3.320743494	3.11969212	1.43E-06
peak_9919	chr23	39560190	39560871	68076	intron (NM_001003837, intron 3 of 11)	NM_001003837	src	8.703497182	5.584120293	3.119376889	1.44E-08
peak_8823	chr12	6790876	6791489	-9996	intron (NM_001077614, intron 3 of 5)	NM_001007763	asah2	7.437014021	4.317780509	3.119233512	3.30E-09
peak_15851	chr20	22168892	22169251	-33401	Intergenic	NM_130957	clocka	6.542314126	3.423276461	3.119037665	3.40E-06
peak_18137	chr12	23715554	23715996	-4704	Intergenic	NM_001024454	nsfb	6.695583593	3.576603853	3.11897974	1.48E-05
peak_7738	chr24	3487442	3487969	9874	Intergenic	NM_001013563	slc35g2b	8.301315766	5.182723554	3.118592213	6.40E-10
peak_27182	chr20	26324990	26325293	87834	Intergenic	NM_152959	esr1	6.072182872	2.953659189	3.118523683	0.000828
peak_14536	chr19	1436971	1437770	19650	intron (NM_200401, intron 6 of 8)	NM_200401	zgc:63863	7.77319913	4.654859926	3.118339205	1.29E-06
peak_5566	chr15	317682	319200	111541	Intergenic	NM_001042691	limk1a	9.690331922	6.572063917	3.118268005	9.10E-12
peak_12863	chr16	14357377	14357619	-24963	Intergenic	NM_001045344	zgc:153234	5.779428557	2.661763379	3.117665178	3.05E-07
peak_21409	chr8	43509821	43510203	17465	intron (NM_200838, intron 21 of 21)	NM_200578	arpc5la	6.749632428	3.632345236	3.117287192	8.17E-05
peak_13791	chr4	724344	725530	-7525	Intergenic	NM_001159585	sim1b	9.64709306	6.530166583	3.116926477	7.03E-07
peak_15937	chr21	38994567	38995060	16245	intron (NM_001037678, intron 11 of 14)	NM_001037678	slco2b1	7.468220738	4.351860577	3.116360161	3.60E-06
peak_20890	chr4	26299735	26300422	95537	Intergenic	NM_200523	creld2	6.61920825	3.502906541	3.11630171	6.36E-05
peak_23007	chr18	35055781	35056140	51470	intron (NM_001083063, intron 18 of 19)	NM_001083063	capn12	6.476043369	3.359850343	3.116193026	0.00017
peak_21312	chr5	50007948	50008588	34668	intron (NM_001130962, intron 2 of 8)	NM_001130962	mef2cb	7.673315483	4.557259507	3.116055977	7.77E-05
peak_15956	chr19	47434033	47435108	114274	intron (NM_001177934, intron 5 of 7)	NM_001177934	trps1	7.445771442	4.329956423	3.115815018	3.65E-06
peak_12111	chr18	25928687	25929004	-27485	Intergenic	NM_199564	idh2	6.495939683	3.380391848	3.115547835	1.49E-07
peak_8712	chr25	19017632	19018442	-25859	Intergenic	NM_001002150	cav2	7.633034018	4.518825222	3.114208796	2.81E-09
peak_5546	chr15	44433529	44434370	-42883	Intergenic	NM_200546_1	psmd2	9.316707308	6.202734007	3.1139733	8.65E-12
peak_4970	chr11	23878893	23880051	-28509	Intergenic	NM_212732	mdm4	8.886539211	5.773258047	3.113281164	2.02E-12
peak_13367	chr8	10208009	10208311	21530	intron (NM_001013452, intron 11 of 16)	NM_001013452	ptpn18	5.966535835	2.85429068	3.112245155	4.98E-07
peak_12097	chr9	10943064	10943446	19105	intron (NM_001077611, intron 6 of 18)	NM_001077611	dars	7.007718738	3.89575956	3.111959178	1.46E-07
peak_8098	chr24	4612293	4612671	-84524	Intergenic	NM_130918	fzd8a	6.34853661	3.236904515	3.111632095	1.13E-09
peak_27570	chr25	2368496	2368990	-7049	Intergenic	NM_001031669	mrps35	7.482472099	4.371275274	3.111196825	0.000949
peak_4012	chr21	40688376	40689277	6092	intron (NM_001077326, intron 1 of 8)	NM_001077326	gabra1	9.558190367	6.447115436	3.111074931	1.09E-13
peak_12667	chr9	54666240	54666563	79319	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	5.504482852	2.393908324	3.110574527	2.54E-07
peak_4532	chr16	53595980	53596571	-13839	3' UTR (NM_001003494, exon 6 of 6)	NM_001130592	nr1d2a	8.333576964	5.223002867	3.110574097	5.91E-13
peak_19464	chr21	34494689	34495290	201798	Intergenic	NM_200048	rars	7.315987124	4.205485239	3.110501885	3.02E-05
peak_12367	chr23	5956910	5957310	-123839	Intergenic	NM_205567	csrp1a	7.104240445	3.99415291	3.110087535	1.93E-07
peak_19713	chr10	32317065	32317564	82347	intron (NM_131482, intron 26 of 26)	NM_200398	tmem218	7.246419856	4.136340539	3.110079318	3.49E-05
peak_16629	chr6	20856804	20857162	-173166	Intergenic	NM_205740	barhl2	6.4578565	3.347831623	3.110024877	5.68E-06
peak_19012	chr1	18119451	18119812	25066	intron (NM_001114686, intron 2 of 6)	NM_001114686	rbm47	4.973591395	1.863651775	3.10993962	2.39E-05
peak_11068	chr16	7296390	7296762	162203	Intergenic	NM_131059	ctnnb1	6.587701445	3.477892924	3.109808522	5.34E-08
peak_5860	chr5	10324060	10324579	178640	Intergenic	NM_001080038	zgc:158343	8.033263697	4.92400452	3.109259177	1.74E-11
peak_4274	chr5	18977407	18977953	-465949	Intergenic	NM_001004640	atad1a	9.397541723	6.288456634	3.109085089	2.53E-13
peak_4796	chr2	37027331	37028405	11947	Intergenic	NM_001128817	gpr160	8.255178666	5.146713807	3.108464858	1.25E-12
peak_26553	chr20	14688384	14688807	-15649	Intergenic	NM_200403	tmed5	6.663359557	3.55552372	3.107835836	0.000665
peak_21288	chr10	1607658	1608009	55317	Intergenic	NM_200156	nup155	6.395102357	3.287486645	3.107615713	7.69E-05
peak_11048	chr7	35870779	35871136	-56567	Intergenic	NM_131267	irx3a	6.611782718	3.5044133	3.107369418	5.18E-08
peak_4805	chr7	70443734	70445111	-13327	Intergenic	NM_199682	ap1g1	10.34205598	7.234689344	3.107366634	1.27E-12
peak_14517	chr14	46179886	46180573	-320369	Intergenic	NM_200975	gar1	7.647605965	4.540312248	3.107293717	1.27E-06
peak_9280	chr6	33706231	33706679	24941	Intergenic	NR_036574		7.753419217	4.646407421	3.107011796	6.18E-09
peak_15770	chr1	12205982	12206629	-50433	Intergenic	NM_001115058	pcdh18a	7.667144127	4.560394525	3.106749603	3.22E-06
peak_4447	chr14	4944508	4945523	-247378	Intergenic	NM_001017822_1	zgc:110204	9.651811305	6.545131851	3.106679455	4.61E-13
peak_17363	chr18	39712336	39712835	58270	intron (NM_212831, intron 4 of 13)	NM_212831	veph	6.24892144	3.142738083	3.106183357	8.91E-06
peak_16910	chr21	34079153	34079530	-30809	Intergenic	NM_001089471	adrb2b	5.810408683	2.704644575	3.105764108	6.72E-06
peak_21578	chr16	56861830	56862326	53164	Intergenic	NM_200956	ptdss1a	6.409155454	3.303502156	3.105653299	8.91E-05
peak_23236	chr20	4325303	4325751	68533	Intergenic	NM_001076758	zgc:154018	6.526169791	3.421184156	3.104985635	0.000186
peak_10203	chr18	12706711	12707166	-5954	Intergenic	NM_001044965	tldc1	7.712299192	4.607413418	3.104885774	1.95E-08
peak_17137	chr13	35428199	35428678	-132375	Intergenic	NM_131863	jag1b	7.54184915	4.437232027	3.104617123	7.68E-06
peak_15732	chr17	14953980	14954327	36329	Intergenic	NM_001136255	gch1	6.213093344	3.108488484	3.10460486	3.11E-06
peak_9022	chr20	40740014	40741831	11262	Intergenic	NM_131038	cx43	9.912446388	6.808284451	3.104161937	4.33E-09
peak_10504	chr2	31903114	31903433	76889	Intergenic	NM_200070	fam49ba	6.323967779	3.220587197	3.103380582	2.73E-08
peak_9452	chr14	28996472	28996726	55222	Intergenic	NM_200569	tsc22d3	5.748610487	2.645412007	3.10319848	7.88E-09
peak_25794	chr16	48827423	48827758	70106	Intergenic	NM_001024923	smg5	6.611782718	3.508767925	3.103014793	0.000512
peak_25746	chr22	31299603	31300104	34395	intron (NM_001104944, intron 7 of 7)	NM_001013572	si:dkeyp-34c12.1	7.087002866	3.98399406	3.103008807	0.000504
peak_23174	chr15	26212883	26213231	54235	Intergenic	NM_001075106	ccdc9	6.44324707	3.340312648	3.102934422	0.000181
peak_10365	chr13	22783366	22783801	2763	intron (NM_001145706, intron 1 of 7)	NM_001145706	mmrn2a	6.849713523	3.747127621	3.102585903	2.34E-08
peak_10071	chr25	2499409	2499798	-74725	Intergenic	NM_001034973		6.3766375	3.274441907	3.102195592	1.68E-08

peak_22066	chr2	35172098	35173201	115200	intron (NM_194383, intron 18 of 23)	NM_131036	tnw	8.349056444	5.24707528	3.101981164	0.000112
peak_9341	chr1	54723510	54724012	143533	Intergenic	NM_130954	dla	7.194265903	4.092308919	3.101956984	6.80E-09
peak_19641	chr9	1224713	1225163	-129507	Intergenic	NM_001089361	prkra	7.116836811	4.015289178	3.101547633	3.37E-05
peak_9940	chr2	3155867	3156417	28969	intron (NM_001113597, intron 13 of 15)	NM_001045425	adipoqb	7.08554672	3.984031802	3.101514918	1.47E-08
peak_9991	chr7	39394070	39394844	-82964	Intergenic	NM_200889	heatr3	8.62919811	5.527792961	3.101405149	1.55E-08
peak_16817	chr13	6807997	6808478	37366	Intergenic	NM_001144794	exoc3l4	6.068564868	2.967223393	3.101341474	6.35E-06
peak_10145	chr8	35236091	35236451	20426	intron (NM_001002420, intron 1 of 26)	NM_001002420	gapvd1	6.227576515	3.126642404	3.100934111	1.83E-08
peak_18355	chr8	13935114	13935635	53473	Intergenic	NM_001089391	slc5a5	3.809602052	0.709096771	3.100505281	1.66E-05
peak_14320	chr25	4100061	4100357	104926	Intergenic	NM_131645	fads2	5.621456019	2.520998502	3.100457517	1.08E-06
peak_4994	chr4	6522115	6523068	-415	promoter-TSS (NM_001114883)	NM_001114883	cald1b	9.245339824	6.145103554	3.10023627	2.21E-12
peak_15215	chr24	31490924	31491246	38780	Intergenic	NM_201451	hccs	4.843015081	1.74299605	3.100019031	2.12E-06
peak_14234	chr5	24224424	24224760	-69368	Intergenic	NM_001202510	rpl36a	5.09910867	1.999106858	3.100001811	1.01E-06
peak_16639	chr1	56473621	56474181	7872	intron (NM_001003470, intron 1 of 9)	NM_001003470	prkacab	5.898008447	2.798176899	3.099831548	5.71E-06
peak_16287	chr19	35099702	35099980	33217	intron (NM_001076776, intron 1 of 10)	NM_001076776	runx1t1	5.977434903	2.877767286	3.099667617	4.53E-06
peak_7691	chr4	4428200	4429628	-21014	Intergenic	NM_001130792	zgc:194209	9.665256242	6.565803773	3.099452469	5.88E-10
peak_13469	chr2	2874236	2874709	-14171	Intergenic	NM_207059	aqp1a.1	7.126170792	4.026860254	3.099310538	5.40E-07
peak_15864	chr13	43806546	43807205	5309	intron (NM_001077581, intron 1 of 6)	NM_001077581	zgc:153073	8.293826848	5.194525342	3.099301506	3.42E-06
peak_17926	chr7	14229472	14230017	-31041	Intergenic	NM_001159825	polr2l	8.001454248	4.902328505	3.099125742	1.31E-05
peak_19748	chr17	21217616	21217822	-18992	intron (NM_182878, intron 7 of 13)	NM_001198761	si:ch73-56p18.4	5.396131678	2.297460938	3.09867074	3.55E-05
peak_14325	chr14	40263093	40263612	16701	intron (NM_152951, intron 9 of 9)	NM_152951	csnk1a1	6.532134993	3.433747117	3.098387877	1.08E-06
peak_21297	chr1	38937294	38937689	-18747	Intergenic	NM_152965	glra3	6.597991006	3.500328671	3.097662335	7.72E-05
peak_13097	chr9	29935749	29936010	-35009	intron (NM_200089, intron 12 of 25)	NM_001002693	zgc:91818	5.810777555	2.713167691	3.097609864	3.88E-07
peak_12348	chr4	19162177	19162542	9235	exon (NM_200982, exon 11 of 14)	NM_200982	stk38l	6.452343505	3.35550795	3.096835555	1.89E-07
peak_2702	chr2	46256745	46257971	82526	intron (NM_201020, intron 1 of 1)	NM_201020	gpc1b	9.682573689	6.585759076	3.096814613	4.53E-16
peak_19798	chr19	5031836	5032119	-99277	Intergenic	NM_001100068	rragcb	6.333588892	3.236906702	3.096682189	3.65E-05
peak_5334	chr23	219312	220364	81215	Intergenic	NM_001077296	zgc:153351	8.641443158	5.545571513	3.095871645	5.09E-12
peak_17317	chr22	39310265	39311190	103758	Intergenic	NM_001017600	polr2h	7.98371241	4.888161466	3.095550944	8.60E-06
peak_9643	chr24	25700599	25701120	23302	Intergenic	NM_001100152	amer2	6.13403673	3.038547836	3.095488895	1.01E-08
peak_17521	chr12	18939891	18940485	-15787	Intergenic	NM_001171584	nptx2b	6.862629005	3.767214542	3.095414463	9.92E-06
peak_7254	chr21	13681363	13681808	-122740	Intergenic	NM_131448	smarcb1b	6.787821625	3.692705186	3.09511644	2.83E-10
peak_12958	chr5	57726187	57726591	39339	intron (NM_001271308, intron 50 of 52)	NM_001083828	aatf	5.998605159	2.90351398	3.095091179	3.36E-07
peak_21091	chr23	44570094	44570969	15501	Intergenic	NM_200759	eif4e2rs1	7.286493676	4.191678125	3.09481555	7.00E-05
peak_15425	chr11	6065805	6066080	17048	exon (NM_001020769, exon 7 of 9)	NM_001030244	vsg1	5.258987481	2.164199981	3.094787501	2.47E-06
peak_3930	chr22	9339989	9340820	-71652	Intergenic	NM_001089420_1	si:ch211-11p18.4	7.63923599	4.544830235	3.094405756	7.93E-14
peak_7439	chr5	22934329	22935165	7150	intron (NM_201186, intron 1 of 12)	NM_201186	cds2	8.684775252	5.590393182	3.09438207	3.90E-10
peak_31432	chr12	31776532	31776985	91342	Intergenic	NM_001014363	ablim1b	6.618747835	3.524634423	3.094113412	0.002934
peak_19925	chr1	362736	363049	-6102	intron (NM_201027, intron 1 of 11)	NM_001144803	blzf1	3.648470066	0.554393687	3.094076379	3.94E-05
peak_18932	chr12	9366377	9366722	42607	Intergenic	NM_001002613	nrbf2b	6.302074075	3.208041959	3.094032116	2.28E-05
peak_28644	chr4	40477188	40477701	-439006	Intergenic	NM_001100956	si:dkeyp-4c4.1	3.313826142	0.219835396	3.093990746	0.001347
peak_3319	chr18	4989793	4990417	-4573	Intergenic	NM_212779		9.092061652	5.998072536	3.093989116	7.35E-15
peak_14924	chr5	64983075	64983399	21005	Intergenic	NM_001083561	napaa	5.310995162	2.217376759	3.093618402	1.71E-06
peak_10584	chr21	8623324	8623636	97201	intron (NM_001037701, intron 9 of 14)	NM_001037701	mapk10	6.268178158	3.174628959	3.093549198	3.01E-08
peak_19684	chr3	27896983	27897401	32414	intron (NM_201157, intron 2 of 6)	NM_201157	arhgdig	6.171516118	3.078031201	3.093484917	3.44E-05
peak_11458	chr5	7831712	7832221	11804	intron (NM_001014306, intron 1 of 18)	NM_001014306	lifra	6.36144489	3.268026488	3.093418402	7.89E-08
peak_25555	chr9	2895214	2895663	-4707	Intergenic	NM_001017574	cdca7a	5.809602052	2.716259194	3.093342858	0.000473
peak_20252	chr9	409157	410175	-11620	Intergenic	NM_001034185	crfb5	8.295021414	5.201755721	3.093265692	4.71E-05
peak_4548	chr4	5526881	5527330	-1874	Intergenic	NM_001030113	rsph9	8.247807414	5.155108581	3.092698833	6.07E-13
peak_23264	chr1	38145515	38145895	-16788	Intergenic	NM_001145602	si:ch211-15e22.3	6.72673689	3.634080772	3.092656118	0.000188
peak_23894	chr5	71124343	71124698	9783	exon (NM_001077760, exon 9 of 20)	NM_001077760	zgc:152816	6.099749972	3.007365339	3.092384632	0.000246
peak_15737	chr23	5333529	5333967	85349	intron (NM_181498, intron 9 of 10)	NM_001128815	zgc:194242	7.165240623	4.073712059	3.091528564	3.12E-06
peak_3256	chr11	46166460	46167977	-25482	intron (NM_001077304, intron 3 of 11)	NM_199576	srsf11	9.181081126	6.089857634	3.091223492	5.69E-15
peak_21785	chr3	23551274	23551591	39017	Intergenic	NM_199214	col1a1a	6.413561705	3.32292897	3.090632735	9.82E-05
peak_13526	chr21	3117382	3117676	82412	Intergenic	NM_213302	hnrnpabb	5.295371368	2.204764791	3.090606577	5.66E-07
peak_23934	chr12	36961480	36962142	-17095	Intergenic	NM_001002176	tha1	7.919897916	4.829339942	3.090557974	0.00025
peak_13924	chr9	21526814	21527074	-60579	Intergenic	NM_001256622	wu:fj20e02	4.883141315	1.792814747	3.090326568	7.85E-07
peak_8312	chr7	55154554	55155422	48350	intron (NM_001008635, intron 4 of 11)	NM_001008635	csnk1g1	8.559880868	5.46957371	3.090307158	1.62E-09
peak_13354	chr21	27065455	27066419	-96655	intron (NM_001079970, intron 19 of 23)	NR_023323		8.375648782	5.285727182	3.0899216	4.91E-07
peak_22863	chr22	33708994	33709905	428	intron (NM_001089568, intron 2 of 12)	NM_001089568	zgc:162724	7.391017003	4.301635495	3.089381508	0.000158
peak_16660	chr12	13622352	13623295	-601842	Intergenic	NM_131014	cmn	8.738844754	5.649552624	3.08929213	5.79E-06
peak_19946	chr3	60108478	60109226	-80850	Intergenic	NM_001113799	zmp:000000068	8.613530427	5.524931186	3.088599241	3.98E-05
peak_8496	chr21	35367964	35368270	23419	intron (NM_214692, intron 1 of 13)	NM_214692	mpp1	6.178835862	3.09067303	3.088162832	2.09E-09
peak_3416	chr1	41083961	41084754	47804	Intergenic	NM_001077293	zgc:153642	8.40592186	5.317984344	3.087937517	1.10E-14
peak_16299	chr10	36602841	36603200	25366	3' UTR (NM_001083549, exon 13 of 13)	NM_001083549	zdhhc20a	6.312671826	3.224816445	3.087855381	4.59E-06
peak_24771	chr15	12748646	12749177	-167640	Intergenic	NM_001077629	scn2b	5.696868089	2.609160782	3.087707307	0.000356
peak_14980	chr13	46767382	46767767	22460	Intergenic	NM_213133	marcksl1a	5.620089523	2.532427371	3.087662153	1.77E-06
peak_15041	chr9	27676897	27677207	539893	Intergenic	NM_131023	efnb2a	5.779028222	2.691613311	3.087414911	1.87E-06
peak_17240	chr4	7444663	7445296	44135	Intergenic	NM_001025506	adipor2	4.160782694	1.07379276	3.086989934	8.23E-06
peak_22097	chr4	12529831	12530464	13186	Intergenic	NM_001044833	dyrk2	6.722542785	3.635872746	3.086670039	0.000113
peak_6895	chr19	22198070	22198931	390	exon (NM_001159669, exon 1 of 4)	NM_001159669	LOC100003866	7.64575362	4.559194446	3.086559174	1.39E-10
peak_6227	chr16	32478423	32479045	8242	intron (NM_001199365, intron 1 of 18)	NM_001199365	sema6e	8.543617817	5.457174078	3.08644374	3.94E-11
peak_8406	chr7	40514525	40514908	-43846	Intergenic	NM_131070	mdka	6.075120758	2.989501766	3.085618992	1.85E-09
peak_14609	chr2	36196127	36196537	24876	Intergenic	NM_001199372_1	LOC100331689	7.142638199	4.05715688	3.085481319	1.36E-06
peak_27553	chr16	14286558	14287036	14482	exon (NM_001289880, exon 5 of 15)	NM_001289880	rasip1	6.576213229	3.490968545	3.085244684	0.000943
peak_22078	chr20	21516516	21517000	53402	intron (NM_131862, intron 9 of 25)	NM_131862	jag2b	6.852189493	3.767529385	3.084660108	0.000112
peak_8473	chr11	26531738	26532507	2527	intron (NM_001077451, intron 1 of 10)	NM_001077451	ccdc120	7.873020873	4.788546002	3.084474872	2.03E-09
peak_12755	chr18	6791386	6791796	-17201	Intergenic	NM_200575	glipr1b	6.68040672	3.595998081	3.084408638	2.79E-07
peak_13006	chr1	42095881	42096105	103786	Intergenic	NM_001080190	mogs	5.471576424	2.38728396	3.084292464	3.55E-07
peak_12418	chr14	1745880	1747194	40685	Intergenic	NM_001024185	pcdh2g13	8.261438128	5.177408629	3.084029499	2.04E-07
peak_15957	chr5	17627052	17627424	33710	Intergenic	NM_001100957	hspb8	6.17699611	3.093245407	3.083750702	3.65E-06
peak_7906	chr24	34486368	34486773	23329	intron (NM_001130617, intron 1 of 17)	NM_001130617	zgc:194780	7.119220123	4.035672528	3.083547595	8.19E-10
peak_13099	chr18	33954191	33954523	122070	intron (NM_001102571, intron 31 of 104)	NM_001102571	ryr1b	6.21813988	3.13467193	3.08346795	3.89E-07
peak_21648	chr16	37842492	37843029	62045	intron (NM_001002299_1, intron 4 of 16)	NM_001040311	zgc:136683	6.628583953	3.545369687	3.083214266	9.21E-05
peak_7792	chr6	46021348	46021835	-135315	Intergenic	NM_201476	tardbp	8.018042942	4.934997894	3.083045048	6.83E-10
peak_3707	chr10	15110093	15110733	-26136	Intergenic	NM_001145244	scpp8	8.467976017	5.385128882	3.082847134	3.41E-14
peak_5239	chr23	1172526	1173234	-16104	Intergenic	NM_001281802	psmb11b	8.316952652	5.234781499	3.082171153	4.13E-12
peak_11753	chr10	6716275	6716677	1441	exon (NM_207050, exon 2 of 15)	NM_207050	gmcl1	7.480119967	4.398021796	3.082098171	1.03E-07
peak_17606	chr10	8709507	8710215	-9654	Intergenic	NM_001030197	aplnrb	7.639670619	4.557645193	3.082025426	1.07E-05
peak_20177	chr19	10160823	10161619	-16141	Intergenic	NM_001020468	ing4	7.307096948	4.225143638	3.08195331	4.54E-05
peak_6714	chr9	40467644	40468172	-410299	Intergenic	NM_200000	myl1	8.064787924	4.983171333	3.081616591	1.03E-10
peak_5150	chr3	56906764	56907470	-35461	exon (NM_001039818, exon 6 of 6)	NM_001115092	stk19	7.971392792	4.889962858	3.081429934	3.37E-12
peak_9081	chr8	48082211	48082529	11184	intron (NM_001004678, intron 1 of 9)	NM_001004678	adam9	6.066269949	2.98514653	3.08112342	4.70E-09
peak_7911	chr9	43412819	43413440	78380	Intergenic	NM_001004010	calcrla	7.770672625	4.690353048	3.080319577	8.29E-10
peak_4785	chr6	54482399	54483631	-21271	Intergenic	NR_029981		9.198289278	6.118293674	3.079995604	1.21E-12
peak_17776	chr11	24166105	24166467	-12580	Intergenic	NM_001003583	optc	3.848367416	0.768621462	3.079745953	1.19E-05
peak_3361	chr23	39612409	39613169	-91243	Intergenic	NM_200829	camk1gb	9.157346439	6.077905375	3.079441064	8.90E-15
peak_15111	chr18	15962421	15962762	56617	Intergenic	NM_001045074	alx1	5.768153455	2.689351758	3.078801697	1.96E-06
peak_21921	chr7	59143449	59143846	172946	Intergenic	NM_001114708	camk2d1	6.244237832	3.165624345	3.078613487	0.000105
peak_16218	chr16	56562261	56562870	36316	intron (NM_001098197, intron 3 of 10)	NM_001097586	nkd2b	7.424127355	4.345689636	3.078437719	4.33E-06
peak_24200	chr18	44341221	44341619	-30010	Intergenic	NM_201026	ap2m1b	7.035025043	3.956804005	3.078221038	0.000281
peak_18151	chr7	36172532	36172856	-76815	Intergenic	NM_199272	esrp2	3.957365387	0.87932337	3.078042017	1.48E-05
peak_10024	chr19	39045841	39046120	11488	Intergenic	NM_213236	ilf2	5.985805604	2.908046954	3.07775865	1.61E-08
peak_18163	chr5	22961350	22961901	-2750	Intergenic	NM_001126404	arhgap25	7.432446664	4.35472426	3.077722403	1.49E-05
peak_3822	chr17	49352996	49353685	82909	Intergenic	NM_001076769	tfb1m	8.103450592	5.025906554	3.077544037	5.53E-14
peak_33318	chr7	31940720	31941635	421	exon (NM_001281993, exon 1 of 14)	NM_001281993	rnf111	7.638684475	4.561163969	3.077520506	0.004722
peak_4531	chr8	33144039	33144803	49912	intron (NM_001159661, intron 4 of 28)	NM_001159661	zgc:91897	8.999952039	5.923667232	3.076284807	5.90E-13

peak_23014	chr19	15866566	15867042	371538	Intergenic	NM_001201443	gmeb1	7.209969563	4.133697449	3.076272114	0.00017
peak_16708	chr4	26228839	26229370	166511	Intergenic	NM_200523	creld2	6.67569565	3.599799048	3.075896602	5.99E-06
peak_5002	chr15	46969799	46970310	38010	Intergenic	NM_001098772	zgc:165502	7.889656432	4.813870999	3.075785433	2.25E-12
peak_14794	chr15	15296402	15297020	45950	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	7.477880136	4.402211821	3.075668315	1.57E-06
peak_18178	chr19	41906829	41907424	-36721	Intergenic	NM_182968	col1a2	8.024896648	4.949757049	3.075139599	1.51E-05
peak_6081	chr9	37456820	37457263	502452	Intergenic	NM_131690	atp1a1b	7.015056485	3.940556238	3.074500248	2.91E-11
peak_10064	chr7	18936697	18937515	22105	Intergenic	NM_130953_1	men1	7.814120053	4.739798808	3.074321245	1.67E-08
peak_25338	chr10	21389137	21389418	53999	Intergenic	NM_001201442	avd	5.737915131	2.663703566	3.074211565	0.000439
peak_8703	chr14	33930573	33931077	-31420	Intergenic	NM_131472	kdrl	6.5184741	3.444802218	3.073671882	2.75E-09
peak_10623	chr5	47831669	47832697	24862	intron (NM_001110378, intron 4 of 16)	NM_001114846	f2r	8.018726248	4.945166193	3.073560054	3.19E-08
peak_13872	chr16	25539870	25540201	-3152	Intergenic	NM_001012497	slc50a1	6.548461695	3.475285953	3.073175742	7.52E-07
peak_13348	chr11	17375235	17375804	416139	Intergenic	NM_001110030	kbtbd8	6.421549829	3.34863829	3.072911539	4.89E-07
peak_22157	chr1	54849340	54849772	269328	Intergenic	NM_130954	dla	6.759835893	3.687168311	3.072667582	0.000117
peak_9419	chr21	16425772	16426022	33798	intron (NM_001161551, intron 3 of 8)	NM_001161551	rxraa	5.529981478	2.457332588	3.072648889	7.55E-09
peak_11940	chr18	17464291	17464898	18878	intron (NM_001080030, intron 1 of 7)	NM_001080030	si:ch211-216l23.1	7.032508175	3.959999474	3.072508701	1.28E-07
peak_25278	chr9	12511021	12511402	34891	Intergenic	NM_200066	nup35	6.125855995	3.053364298	3.072491697	0.000429
peak_25854	chr7	57713811	57714486	-21710	Intergenic	NM_212585	ist1	7.312517386	4.240483968	3.072033418	0.000523
peak_5363	chr5	62608465	62609517	-29052	Intergenic	NM_212917	slco1f1	8.619652215	5.547677648	3.071974567	5.41E-12
peak_16454	chr21	36292921	36293632	59434	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	7.857424222	4.785935096	3.071489126	5.10E-06
peak_3055	chr15	22588164	22588935	26901	intron (NM_001007330, intron 2 of 15)	NM_001007330	cbl	9.159702255	6.088601954	3.071100301	2.51E-15
peak_16431	chr10	26227397	26228444	105939	Intergenic	NM_131294	sod1	8.377372672	5.306340112	3.07103256	5.02E-06
peak_10611	chr21	35954893	35955441	-13996	Intergenic	NM_001002534	nop16	6.997735212	3.92676329	3.070971922	3.11E-08
peak_2649	chr12	48555369	48556866	1857	Intergenic	NM_130934	hhex	10.4301193	7.359172799	3.070946505	3.35E-16
peak_24713	chr24	30376428	30376825	97865	Intergenic	NM_001163988	prmt6	5.622795192	2.552474647	3.070320545	0.000346
peak_7928	chr15	25171722	25172211	-60287	Intergenic	NR_030247		7.459988176	4.391295795	3.068692381	8.56E-10
peak_5290	chr19	41253899	41255227	-43340	intron (NM_001144053, intron 3 of 6)	NM_001080087	fam133b	9.87127661	6.802700306	3.068576303	4.68E-12
peak_22965	chr7	74798260	74798700	47209	Intergenic	NM_001008590	slc35c1	6.834541467	3.766220794	3.068320672	0.000167
peak_15387	chr8	43394807	43395184	74399	Intergenic	NM_001126472	olfml2a	6.330555174	3.263285846	3.067269328	2.39E-06
peak_12395	chr23	13501072	13501473	-214936	Intergenic	NR_030650		6.227300208	3.160687186	3.066613021	1.99E-07
peak_20263	chr14	559788	561542	-2632	intron (NM_212882, intron 8 of 12)	NM_212823	fgf2	8.791220566	5.724768279	3.066452287	4.75E-05
peak_6955	chr7	66622034	66622580	207893	Intergenic	NM_198825_1	fam60al	7.639021844	4.572601109	3.066420735	1.57E-10
peak_6878	chr10	45962491	45963289	182128	Intergenic	NM_001134725	adrbk2	8.700108693	5.633943214	3.066165478	1.36E-10
peak_16854	chr7	44760508	44760911	102	exon (NM_131214, exon 1 of 11)	NM_131214	cdh11	5.99065441	2.925111967	3.065542443	6.49E-06
peak_21929	chr12	29038145	29038839	5244	exon (NM_001002450, exon 3 of 3)	NM_001002450	meox1	7.193965621	4.129279073	3.064686548	0.000106
peak_20265	chr15	41078791	41079646	-9542	Intergenic	NM_001017799	zgc:110333	7.748610487	4.684088784	3.064521703	4.75E-05
peak_15079	chr2	45710998	45711745	7877	exon (NM_213489, exon 6 of 7)	NM_213489	prpf38b	7.584834616	4.520709782	3.064124834	1.92E-06
peak_19699	chr14	31806920	31807451	29978	Intergenic	NM_001123050	il2rgb	6.615823479	3.551761499	3.06406198	3.46E-05
peak_15150	chr2	18641960	18642217	16777	Intergenic	NR_030086		5.499117148	2.435112029	3.064005118	2.01E-06
peak_8309	chr7	73760039	73760689	127993	Intergenic	NM_001115141	dhx15	8.261374839	5.197875717	3.063499122	1.61E-09
peak_13812	chr21	36490392	36491349	28957	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	8.897159815	5.833728191	3.063431624	7.15E-07
peak_17087	chr20	35831562	35831884	34466	intron (NM_001042688, intron 4 of 6)	NM_001042688	tnfrsf21	5.953822712	2.890518042	3.06330467	7.42E-06
peak_17755	chr17	25033891	25034233	18235	Intergenic	NM_001114588	cln8	5.791013355	2.72776943	3.063243926	1.17E-05
peak_12587	chr9	1722828	1723601	-14826	intron (NM_001017554_2, intron 1 of 17)	NM_001017554_1		8.509800523	5.447098183	3.06270234	2.36E-07
peak_23280	chr8	17481493	17481956	105004	Intergenic	NM_001002530	rab3c	6.610883232	3.548248351	3.062634881	0.000189
peak_16098	chr20	2615071	2615497	-2530	Intergenic	NM_001003990	med23	4.135913813	1.073292992	3.062620822	4.00E-06
peak_19008	chr4	58832584	58833064	-13583	Intergenic	NM_001113638	zgc:171551	3.771377205	0.709096771	3.062280434	2.39E-05
peak_16904	chr1	22090007	22090397	4491	exon (NM_001008611, exon 5 of 7)	NM_001008611	ube2kb	7.026092708	3.963837214	3.062255494	6.70E-06
peak_14423	chr5	21032879	21033362	150372	Intergenic	NM_131099	foxn4	7.499002703	4.437067493	3.06193521	1.18E-06
peak_15100	chr19	39906841	39907475	61314	Intergenic	NM_001044795	smap2	6.643407802	3.581526684	3.061881118	1.95E-06
peak_8763	chr15	18011153	18011611	-174723	Intergenic	NM_001110169_1	zgc:171957	7.049233999	3.987581104	3.061652895	2.99E-09
peak_16118	chr3	33393902	33394181	-43491	Intergenic	NM_001114705	hspb9	5.653745742	2.59231394	3.061431802	4.04E-06
peak_6900	chr13	46676778	46677966	-67742	Intergenic	NM_213133	marcksl1a	9.10223933	6.04081263	3.0614267	1.40E-10
peak_12371	chr14	23383442	23383747	-19867	Intergenic	NM_001042720	atp7a	5.571801766	2.510450709	3.061351057	1.94E-07
peak_4824	chr25	7299384	7299844	-327710	Intergenic	NM_001089334	hmg20a	7.684724941	4.623382607	3.061342333	1.36E-12
peak_10243	chr12	48779129	48779849	-19088	Intergenic	NM_001017704	grem2	7.747268941	4.686103555	3.061165387	2.03E-08
peak_11552	chr15	20628326	20628716	11755	Intergenic	NM_001040312	bco2a	6.569488729	3.508346049	3.06114268	8.68E-08
peak_13024	chr15	17047051	17047268	11982	exon (NM_201993, exon 9 of 10)	NM_201993	arcn1b	5.586087111	2.526228151	3.059858959	3.64E-07
peak_6770	chr3	63228395	63228907	-44199	Intergenic	NM_131644	sox9b	7.212953803	4.153245631	3.059708172	1.12E-10
peak_5127	chr25	2546987	2547597	-60816	Intergenic	NM_001077466	bbs4	8.147480738	5.088148957	3.059331781	3.21E-12
peak_15794	chr22	38416874	38417316	25450	Intergenic	NM_001113587	hykk.2	6.664877105	3.605552627	3.059324477	3.27E-06
peak_14605	chr11	10921545	10921923	-6872	Intergenic	NM_001083573	psmd14	4.746154871	1.686923322	3.059231548	1.35E-06
peak_15324	chr1	53033787	53034196	21152	Intergenic	NM_001256635	tacr3l	6.679788522	3.620712198	3.059076324	2.31E-06
peak_7662	chr7	27095963	27096353	49452	intron (NM_201124, intron 1 of 14)	NM_201124	arrb2b	6.582420998	3.523838391	3.058582607	5.65E-10
peak_12557	chr21	18580226	18580486	75905	Intergenic	NM_214756	nnt	5.775018757	2.716611134	3.058407623	2.31E-07
peak_23705	chr6	15125945	15126399	81221	intron (NM_001003492, intron 2 of 3)	NM_001003492	nck2b	6.738121098	3.679976307	3.058144791	0.000226
peak_25092	chr11	3734620	3735347	-43671	Intergenic	NM_001020588	itih3a	8.351568685	5.293545579	3.058023107	0.000402
peak_13878	chr14	5252767	5253234	-139025	Intergenic	NM_001007134	lbx2	7.771181803	4.713159285	3.058022518	7.58E-07
peak_8984	chr18	3234966	3235331	649571	Intergenic	NM_001045470	fam168a	6.933589041	3.875724198	3.057864843	4.10E-09
peak_19783	chr5	61042947	61043289	66361	intron (NM_001099451, intron 8 of 20)	NM_001099451	rasa4	6.336856522	3.279639869	3.057216654	3.61E-05
peak_7927	chr7	13715423	13716431	17554	intron (NM_001081691, intron 1 of 8)	NM_001081691	sh3gl3a	8.820467453	5.763251065	3.057216388	8.55E-10
peak_5322	chr7	13112118	13112654	-77612	Intergenic	NM_001037578	fam154b	7.611452035	4.555011464	3.056440571	4.97E-12
peak_5384	chr13	50520439	50520969	62215	Intergenic	NM_213036	tomm20a	7.700484851	4.644160749	3.056324102	5.67E-12
peak_6992	chr24	38184775	38185085	-7091	Intergenic	NM_001002675	ccr10	6.489347537	3.433706671	3.055640866	1.67E-10
peak_10506	chr10	12078923	12079297	56117	intron (NM_001004502, intron 2 of 2)	NM_001004502	lpar1	6.896880414	3.842096236	3.054784179	2.74E-08
peak_15783	chr3	59648093	59648537	14360	intron (NM_001285388, intron 4 of 15)	NM_001285388	si:ch73-281f12.4	7.603999556	4.549845042	3.054154514	3.24E-06
peak_20612	chr19	37143596	37144233	653	intron (NM_001082901, intron 1 of 2)	NM_001082901	col8a2	6.32286962	3.26878259	3.05408703	5.61E-05
peak_10606	chr4	48427056	48428158	642023	Intergenic	NM_001122615	zgc:174646	8.407393063	5.353440727	3.053952336	3.10E-08
peak_12549	chr14	33769842	33770234	-3533	Intergenic	NM_212940	lnx2b	6.577581614	3.523889431	3.053692183	2.28E-07
peak_22709	chr15	22997716	22998040	1480	exon (NM_001105683, exon 5 of 6)	NM_001105683	ckmb	3.273336808	0.219835396	3.053501413	0.000148
peak_14881	chr7	38857096	38857433	87827	Intergenic	NM_001146014	sall1a	5.790218982	2.736893025	3.053325956	1.66E-06
peak_18242	chr8	17991233	17991533	44463	intron (NM_130935, intron 1 of 6)	NM_130935	skia	4.796212312	1.74299605	3.053216262	1.56E-05
peak_18968	chr19	3590980	3591848	27163	intron (NM_001077735, intron 3 of 15)	NM_001077735	bop1	7.406154651	4.353217814	3.052936838	2.33E-05
peak_24152	chr22	42145705	42146315	3185	intron (NM_201070, intron 1 of 5)	NM_201070	lmcd1	6.622559066	3.570164053	3.052395013	0.000275
peak_6299	chr24	19510308	19510903	-249082	Intergenic	NM_001089499	zgc:162928	8.703497182	5.651227286	3.052269895	4.52E-11
peak_13278	chr14	6379085	6379344	-16071	Intergenic	NM_001114586	abca1b	5.822525535	2.770344857	3.052180677	4.56E-07
peak_3628	chr2	9150815	9151706	122621	intron (NM_212625, intron 3 of 4)	NM_212625	st6galnac3	9.595841788	6.543749173	3.052092615	2.58E-14
peak_18975	chr15	37328931	37329149	-175878	Intergenic	NM_131481	robo1	5.12524457	2.074042579	3.051201992	2.35E-05
peak_22534	chr18	6891425	6891787	-28145	Intergenic	NM_001044872	si:dkey-30c15.13	6.52972966	3.478595562	3.051134098	0.000137
peak_15254	chr8	45815990	45816380	-21825	Intergenic	NM_130917	fzd10	6.482204677	3.431254089	3.050950588	2.19E-06
peak_17638	chr7	6764347	6764853	14260	Intergenic	NM_001024398	zgc:112234	6.066269949	3.015380621	3.050889328	1.08E-05
peak_29368	chr3	33596585	33596948	21812	intron (NM_213330, intron 20 of 20)	NM_213475	gtpbp1	6.208343809	3.157458375	3.050885433	0.001692
peak_9446	chr16	28423192	28424133	59533	intron (NM_001044848, intron 8 of 20)	NM_001044848	arhgef1b	8.46073357	5.410011598	3.050721973	7.83E-09
peak_22876	chr5	26514381	26514762	-32861	intron (NM_001008576, intron 1 of 3)	NM_001128530	ap1b1	6.426700284	3.376471346	3.050228937	0.000159
peak_26974	chr23	28114329	28114643	-16914	Intergenic	NM_153643	acvrl1	5.816250607	2.766967388	3.04928322	0.000771
peak_23734	chr22	21508253	21508604	-10372	Intergenic	NM_001256159	si:ch211-87h14.3	3.268781826	0.219835396	3.04894643	0.000229
peak_15672	chr5	19972674	19972969	271637	Intergenic	NM_178304	zdhhc8b	4.589313976	1.540684149	3.048629827	2.99E-06
peak_7627	chr11	33474895	33475423	60342	intron (NM_001160822, intron 1 of 3)	NM_001160822	pcdh17	7.233011238	4.184594387	3.048416851	5.35E-10
peak_17695	chr13	24764326	24764882	-11540	Intergenic	NM_001007174	lgalslb	7.863401026	4.815132385	3.048268641	1.12E-05
peak_24933	chr18	31154962	31155399	-14559	Intergenic	NM_001007395_1	def8	5.60025883	2.552474647	3.047784183	0.000378
peak_2924	chr13	49598979	49600410	126159	Intergenic	NM_001003463	ntpcr	9.941979435	6.894344573	3.047634862	1.44E-15
peak_13849	chr14	5298057	5298565	-93714	Intergenic	NM_001007134	lbx2	6.953269858	3.905700651	3.047569208	7.39E-07
peak_5839	chr12	48910877	48912143	-2197	Intergenic	NM_130934_1	hhex	9.050195452	6.002684834	3.047510618	1.65E-11
peak_10711	chr16	12738727	12739630	194263	Intergenic	NM_131602	dedd1	8.143109445	5.095767934	3.047341511	3.51E-08
peak_3335	chr24	9212621	9213547	-118436	Intergenic	NM_199567	tgif1	9.4861178	6.439109159	3.047008641	7.87E-15
peak_10548	chr6	38823713	38824044	-3272	3' UTR (NM_199796, exon 13 of 13)	NM_200006	slc48a1b	6.120791453	3.074459907	3.046331546	2.88E-08

peak_16952	chr4	8975365	8975803	1814	intron (NM_001045158, intron 1 of 39)	NM_001045158	sbf1	6.47207183	3.425916305	3.046155525	6.87E-06
peak_10135	chr9	39701872	39702390	4810	intron (NM_001128277, intron 4 of 12)	NM_001128277	slc12a8	8.26115987	5.215462656	3.045697214	1.81E-08
peak_22756	chr21	31821624	31821958	35154	Intergenic	NR_120380		4.272133028	1.226539182	3.045593847	0.000151
peak_4918	chr19	25864307	25865246	48145	intron (NM_001079950, intron 3 of 7)	NM_001079950	glcci1	9.67929967	6.633895717	3.045403953	1.80E-12
peak_19734	chr7	63034625	63034922	143540	Intergenic	NM_200491	tbc1d19	5.659872185	2.615370797	3.044501388	3.52E-05
peak_17118	chr18	32279383	32279745	-71583	Intergenic	NM_001128247	LOC562852	6.922533586	3.878494941	3.044038645	7.59E-06
peak_16659	chr19	36014299	36014680	154755	intron (NM_001144043, intron 2 of 18)	NM_001144043	gabbr2	6.885374666	3.841579133	3.043795532	5.79E-06
peak_5804	chr7	58555758	58556175	-121306	Intergenic	NM_001012618	drd4b	7.140458223	4.096928369	3.043529854	1.51E-11
peak_15118	chr23	4107362	4107841	34625	exon (NM_001045332, exon 4 of 9)	NM_001045332	b4galt5	7.323297545	4.279886128	3.043411418	1.97E-06
peak_10019	chr14	49250361	49250787	2129	exon (NM_001017738, exon 4 of 6)	NM_001017738	cryba1l1	6.192162615	3.149213974	3.042948641	1.59E-08
peak_15138	chr7	24082826	24083226	40855	3' UTR (NM_131843, exon 5 of 5)	NM_131843	tnfsf10l	6.556892972	3.514324582	3.04256839	2.00E-06
peak_5336	chr8	50527653	50528096	-234383	Intergenic	NM_001128741	zgc:195023	7.733157692	4.690732473	3.042425218	5.13E-12
peak_32422	chr14	29162038	29162430	-59831	Intergenic	NM_200688	zgc:64189	6.649590985	3.607408172	3.042182813	0.003809
peak_16780	chr4	59590727	59591177	7945	intron (NM_001199134, intron 2 of 29)	NM_001199134	ptprb	6.917813638	3.875972231	3.041841407	6.24E-06
peak_6600	chr7	76498411	76499013	43223	Intergenic	NM_001110109	cbln8	8.339442118	5.297689439	3.041752679	8.08E-11
peak_9132	chr1	13467449	13467875	7061	Intergenic	NR_048926_1		6.228473546	3.186830389	3.041643157	5.01E-09
peak_7141	chr9	16387245	16388313	-90657	Intergenic	NM_200144	upp2	8.480923753	5.439538829	3.041384924	2.25E-10
peak_7548	chr15	30497741	30497957	12822	intron (NM_001089373, intron 5 of 9)	NM_001089373	cuedc1b	6.342286181	3.300904214	3.041381967	4.80E-10
peak_4072	chr18	991005	991785	37362	intron (NM_205705, intron 2 of 8)	NM_205705	nptnb	8.577706778	5.536474255	3.041232523	1.30E-13
peak_11918	chr20	19860488	19860796	70451	Intergenic	NM_212570	ptk2bb	6.124299367	3.083838133	3.040461235	1.24E-07
peak_22542	chr5	44475051	44475979	15779	intron (NM_213075, intron 2 of 10)	NM_213075	flot2a	7.54209198	4.502301051	3.039790928	0.000138
peak_16171	chr7	36169127	36169668	-80112	Intergenic	NM_199272	esrp2	4.478989702	1.439815212	3.03917449	4.20E-06
peak_16388	chr7	23101976	23102526	-15381	Intergenic	NM_001115127	epo	6.835855619	3.796892786	3.038962833	4.86E-06
peak_10053	chr6	52459941	52461078	57690	Intergenic	NM_001076755	uqcc1	9.30703158	6.268289433	3.038742147	1.64E-08
peak_3368	chr8	11964669	11965395	-23847	Intergenic	NM_001002366	tjp2b	8.479377337	5.440712691	3.038664646	9.15E-15
peak_15515	chr20	32258908	32259432	-4116	Intergenic	NM_001002660	sesn1	6.509076539	3.470833329	3.03824321	2.66E-06
peak_13135	chr15	13076054	13076498	7964	exon (NM_001077625, exon 7 of 7)	NM_001077625	il10ra	6.924536407	3.886459654	3.038076753	3.98E-07
peak_18854	chr17	23420131	23420389	17303	Intergenic	NR_030655		5.703236541	2.66566972	3.037566821	2.19E-05
peak_29168	chr1	1113995	1114230	-13083	Intergenic	NM_131603	runx1	3.25733105	0.219835396	3.037495654	0.001593
peak_22388	chr2	558649	559005	-148549	Intergenic	NM_212920	wrnip1	6.360374901	3.32292897	3.037445931	0.000129
peak_12261	chr2	545348	545769	-135280	Intergenic	NM_212920	wrnip1	6.634805044	3.597866489	3.036938556	1.72E-07
peak_10473	chr5	51121629	51122503	-310346	Intergenic	NM_001201438	si:dkey-172m14.:	7.823582186	4.787467122	3.036115063	2.65E-08
peak_22666	chr7	45435097	45435839	1998	intron (NM_001003983, intron 1 of 12)	NM_001003983	cdh5	7.247594634	4.211631588	3.035963046	0.000146
peak_14217	chr23	9559338	9560100	-55710	Intergenic	NM_199872	osbpl2b	8.452705417	5.416752123	3.035953295	9.99E-07
peak_23555	chr3	40467994	40468305	56415	Intergenic	NM_181601	actb2	5.403452806	2.367686229	3.035766577	0.000211
peak_17375	chr13	13315045	13315494	-124296	Intergenic	NM_198916	foxi2	6.947927045	3.912325783	3.035601262	9.00E-06
peak_13629	chr11	22320776	22321251	-83772	intron (NM_001048235, intron 3 of 22)	NM_001002751	ikbke	6.472333914	3.436794838	3.035539077	6.20E-07
peak_11802	chr20	42386036	42386532	24312	exon (NM_001039977, exon 5 of 6)	NM_001039977	dcbld1	7.300557059	4.265052319	3.035504739	1.09E-07
peak_20434	chr10	899942	900661	-85491	Intergenic	NM_001099984_1	unc5c	8.496136578	5.460634825	3.035501753	5.15E-05
peak_3359	chr19	1948539	1949467	29753	intron (NM_198819, intron 17 of 28)	NM_200029	rplp1	8.97445817	5.939846302	3.034611867	8.73E-15
peak_18318	chr14	37497782	37498169	30890	Intergenic	NM_199532	elovl6	5.45810659	2.423809252	3.034297338	1.63E-05
peak_17023	chr8	24891334	24891706	74915	intron (NM_001123286, intron 13 of 19)	NM_001077283	dclre1b	6.552449272	3.518593953	3.033855319	7.11E-06
peak_14909	chr19	11557794	11558250	-36755	intron (NM_001081631, intron 8 of 21)	NM_205676	tpm3	6.782638888	3.749051791	3.033587097	1.69E-06
peak_10816	chr15	14460989	14461379	-14727	Intergenic	NM_001105704	zgc:174895	5.846840202	2.81344856	3.033391643	3.94E-08
peak_2681	chr11	38449795	38452282	-20024	Intergenic	NM_001040385	egfl7	11.3904929	8.357109074	3.033383822	3.89E-16
peak_12502	chr6	56251359	56252074	132339	Intergenic	NM_001008576_1	tfap2c	8.499059926	5.466066388	3.032993539	2.19E-07
peak_12437	chr9	43888098	43888432	-84607	Intergenic	NM_001004506	fkbp7	6.325355298	3.292418227	3.032937071	2.08E-07
peak_15821	chr1	26821162	26821467	-16117	intron (NM_001045258, intron 6 of 8)	NM_001077787	dnajb14	5.152734615	2.120474877	3.032259738	3.31E-06
peak_7696	chr23	37792538	37793037	-116088	Intergenic	NM_131881	irx7	8.279218585	5.247084212	3.032134372	5.92E-10
peak_8863	chr24	9214137	9214526	-119683	Intergenic	NM_199567	tgif1	6.213982144	3.181998454	3.03198369	3.47E-09
peak_9186	chr24	4341484	4343130	-115715	Intergenic	NM_201461	klf6a	9.639127313	6.607167047	3.031960266	5.40E-09
peak_3853	chr24	4474437	4475252	53114	Intergenic	NM_130918	fzd8a	8.909769352	5.877832928	3.031936424	6.29E-14
peak_16301	chr2	50051346	50051609	23452	intron (NM_200301, intron 2 of 9)	NM_001105606	sh3gl1a	5.79262393	2.76121871	3.03140522	4.60E-06
peak_13195	chr21	43201846	43202101	-32451	Intergenic	NM_131826	spry4	5.464095801	2.434091459	3.030004342	4.22E-07
peak_19015	chr25	4157299	4157604	47684	Intergenic	NM_131645	fads2	5.683643477	2.653818244	3.029825233	2.40E-05
peak_23885	chr17	20501926	20502318	-5353	Intergenic	NM_200410	slc16a9a	5.87340143	2.843896919	3.029504511	0.000245
peak_20363	chr7	32444502	32445303	-178293	Intergenic	NM_001013468	zgc:111992	7.747804347	4.718564995	3.029239352	4.99E-05
peak_4000	chr5	23919863	23920728	3592	intron (NM_001004296, intron 1 of 13)	NM_001004296	msna	9.827104563	6.798148841	3.028955722	1.05E-13
peak_13874	chr18	2423738	2424119	29058	Intergenic	NM_200034	serp1	6.956470206	3.92756056	3.028909646	7.56E-07
peak_25056	chr1	39668467	39668898	67757	Intergenic	NR_030668		6.020186463	2.99129004	3.028896423	0.000396
peak_7049	chr6	49798944	49799965	-46656	Intergenic	NM_201190	nelfcd	9.744174759	6.715428742	3.028746016	1.88E-10
peak_6774	chr21	41593446	41593965	15421	Intergenic	NM_001089339	zcchc10	8.377699356	5.349038341	3.028661014	1.13E-10
peak_24069	chr2	20824366	20824822	-34468	Intergenic	NM_001006007	nrn1b	6.675062878	3.646403818	3.02865906	0.000265
peak_9365	chr14	44484462	44485257	75558	Intergenic	NM_001115099	pcdh18b	8.548102467	5.51986772	3.028234747	6.96E-09
peak_24086	chr14	38949022	38949373	742298	Intergenic	NM_001048055	lect2l	5.471576424	2.443352351	3.028224073	0.000266
peak_28018	chr11	12069897	12070247	-39655	Intergenic	NM_001111246	zgc:64002	3.247969535	0.219835396	3.02813414	0.001111
peak_3165	chr14	46930806	46931498	64262	Intergenic	NM_001044886	si:ch211-240l14.:	8.568671533	5.540663735	3.028007798	3.73E-15
peak_4591	chr22	40772361	40773583	9108	intron (NM_001102639, intron 1 of 9)	NM_001102639	acap2	9.605129201	6.577496998	3.027632202	6.83E-13
peak_19375	chr12	38189089	38189443	-9322	Intergenic	NM_001003874_1	chmp6b	5.965149317	2.937644412	3.027504904	2.88E-05
peak_21650	chr23	20056055	20056724	-52028	Intergenic	NM_200027	rpl10	8.698577944	5.671285035	3.027292909	9.21E-05
peak_4245	chr9	41976319	41976873	29332	intron (NM_001014316, intron 8 of 13)	NM_001014316	hibch	8.880520476	5.853234936	3.027285539	2.30E-13
peak_16062	chr10	4281580	4282066	52154	Intergenic	NR_029954		7.404491329	4.377704638	3.026786691	3.93E-06
peak_17109	chr21	12943121	12943538	34494	Intergenic	NM_001075114	glulc	6.484430647	3.4578113	3.026619347	7.56E-06
peak_9811	chr8	48642832	48643161	19724	Intergenic	NM_182941	sult1st1	6.51872789	3.492524143	3.026203747	1.26E-08
peak_9400	chr7	29986570	29987047	-9002	Intergenic	NM_001020474	slc7a6	6.521377015	3.495341247	3.026035768	7.37E-09
peak_8890	chr6	30150125	30150548	25417	Intergenic	NM_001045383	zgc:153311	6.760861743	3.734954146	3.025907598	3.60E-09
peak_13505	chr4	15466107	15466354	8678	intron (NM_131697, intron 1 of 7)	NM_131697	dcn	5.568099124	2.542552379	3.025546745	5.57E-07
peak_3965	chr19	20174915	20175826	86950	Intergenic	NM_001139462	snx10a	9.017484114	5.992098893	3.025385221	9.45E-14
peak_19097	chr17	51248968	51249389	17183	intron (NM_001256215, intron 2 of 15)	NM_001256215	fermt2	6.820570387	3.795339518	3.025230869	2.50E-05
peak_12725	chr6	16144350	16144690	179492	Intergenic	NM_001002395	faimb	6.178211064	3.153842329	3.024368735	2.71E-07
peak_14337	chr1	18839300	18839686	-27662	Intergenic	NM_207071	mettl14	6.588843919	3.564996167	3.023847752	1.09E-06
peak_6418	chr16	56673279	56674239	21391	intron (NM_001083010, intron 1 of 9)	NM_001083010	zgc:158766	9.048149737	6.024515423	3.023634314	5.75E-11
peak_20228	chr2	21450703	21451216	20308	intron (NM_001080042, intron 2 of 3)	NM_001080042	zgc:158346	7.200267176	4.176880838	3.023386338	4.65E-05
peak_11800	chr16	13558965	13560080	-8621	Intergenic	NM_001007314	cxcr3.2	8.643701927	5.620648229	3.023053698	1.09E-07
peak_13140	chr10	39736308	39736811	-47251	Intergenic	NM_001006039	samsn1b	7.17197358	4.149013845	3.022959735	4.00E-07
peak_12734	chr25	3163338	3163676	-4366	TTS (NM_001004596)	NM_001089539	hps5	5.786638878	2.76369929	3.022939588	2.74E-07
peak_6317	chr18	11789978	11790481	-14227	Intergenic	NM_198372	fam107b	8.154374064	5.13153619	3.022837874	4.68E-11
peak_18281	chr10	27545644	27545979	-16317	Intergenic	NM_001002129	rab1bb	5.957365387	2.934690609	3.022674778	1.60E-05
peak_19474	chr10	32785133	32785628	21331	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	7.96865408	4.946812738	3.021841342	3.04E-05
peak_4808	chr2	35478936	35479660	30432	Intergenic	NM_001020770	ankrd45	8.433965779	5.412223887	3.021741891	1.29E-12
peak_20408	chr3	33538566	33539010	13149	intron (NM_001076774, intron 5 of 9)	NM_001076774	zgc:153739	7.035025043	4.013318851	3.021706192	5.11E-05
peak_24983	chr20	49516831	49517130	-94433	Intergenic	NM_001014329	naa20	3.241010068	0.219835396	3.021174672	0.000385
peak_14788	chr3	6296853	6297171	-135348	Intergenic	NM_212977	ddx39b	6.118578189	3.097457345	3.021120844	1.56E-06
peak_9470	chr12	36718738	36719748	-145583	Intergenic	NM_200770	fscn2b	9.57438581	6.553334222	3.021051589	8.04E-09
peak_23245	chr7	39337147	39337447	-25804	Intergenic	NM_200889	heatr3	6.529253667	3.509331133	3.019922533	0.000186
peak_26929	chr11	35392397	35392713	17174	Intergenic	NM_001037377	pfkfb4	5.78624054	2.766967388	3.019273152	0.000761
peak_28049	chr21	9069518	9069814	-12338	Intergenic	NM_001033750	agxt2	5.928332165	2.909201936	3.019130229	0.00112
peak_11390	chr4	18795329	18795837	22820	intron (NM_001044960, intron 1 of 37)	NM_001044960	cacna2d1a	7.243819648	4.224740375	3.019079273	7.39E-08
peak_22891	chr2	30174871	30175179	176	exon (NM_001128688, exon 1 of 3)	NM_001128688	cbln2a	5.569025676	2.549983919	3.019041757	0.00016
peak_9356	chr10	8995936	8996324	-62561	Intergenic	NM_001109831	fstb	7.484307868	4.465434009	3.018873859	6.89E-09
peak_25452	chr16	9392387	9392814	40474	exon (NM_001193327, exon 3 of 6)	NM_001193327	snrka	6.78942417	3.770623194	3.018800977	0.000458
peak_22355	chr12	49891797	49892108	14491	Intergenic	NM_001002570	zgc:92749	5.73582977	2.717180374	3.018649396	0.000128
peak_17978	chr21	4949180	4949937	3976	intron (NM_199901, intron 1 of 27)	NM_199901	zgc:55582	7.460098474	4.441505407	3.018593067	1.35E-05
peak_17841	chr15	19872025	19872410	5444	intron (NM_001008574, intron 1 of 11)	NM_001008574	usp2a	5.991345769	2.972812975	3.018532793	1.24E-05
peak_28141	chr17	35202587	35202895	-61413	Intergenic	NM_001045207	asap2a	5.961252308	2.942748453	3.018503855	0.001156

peak_17970	chr13	15651484	15651776	2405	exon (NM_001077163, exon 2 of 8)	NM_001077163	ckba	6.236385727	3.218063724	3.018322003	1.34E-05
peak_16478	chr22	11065337	11065860	97700	intron (NM_001123229, intron 2 of 20)	NM_001123229	insrb	8.063720087	5.045865622	3.017854465	5.18E-06
peak_4776	chr18	42317051	42317913	77326	intron (NM_001005575, intron 3 of 8)	NM_001005575	bcl9l	9.679028362	6.661197793	3.017830568	1.19E-12
peak_15503	chr16	47796248	47796767	40343	Intergenic	NM_001078168	sult2st3	6.829103653	3.811457896	3.017645757	2.62E-06
peak_7072	chr12	50559932	50560772	-3655	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	8.063724881	5.046391986	3.017332895	1.99E-10
peak_13092	chr16	12866589	12867002	-79481	Intergenic	NM_131390	gsk3ab	6.604544718	3.587257777	3.017286941	3.86E-07
peak_17247	chr9	13619378	13619867	11647	Intergenic	NM_131139	fzd7a	7.054895991	4.037643883	3.017252107	8.27E-06
peak_24526	chr7	6028660	6029514	-23193	Intergenic	NM_001130660	zgc:195075	7.561329817	4.544758702	3.016571115	0.000321
peak_4742	chr9	2394381	2395031	4950	intron (NM_213000_1, intron 1 of 5)	NM_213000_1	chn1	7.987192641	4.970934223	3.016258418	1.06E-12
peak_19364	chr3	42185109	42185377	961	intron (NR_120359_1, intron 1 of 2)	NR_120359_1		5.389822348	2.373778815	3.016043534	2.87E-05
peak_16256	chr9	49787544	49788053	-4297	Intergenic	NM_199609	dhrs9	7.040222442	4.025060812	3.01516163	4.43E-06
peak_12507	chr8	42031106	42031453	-2650	intron (NM_213167, intron 4 of 4)	NM_200415	ggt1a	6.253793981	3.238675083	3.015118898	2.20E-07
peak_19523	chr17	37160018	37160423	-4171	Intergenic	NM_001018140	dnmt3ab	6.29565127	3.280912687	3.014738583	3.14E-05
peak_5637	chr9	659335	660163	-37742	Intergenic	NM_212594_1	ybey	9.214104003	6.199405479	3.014698524	1.06E-11
peak_26424	chr12	44180000	44180264	102506	intron (NM_001080602, intron 8 of 15)	NM_001080602	ebf3	5.774215526	2.759764517	3.014451008	0.000636
peak_3402	chr5	823651	824153	6863	intron (NM_001002385, intron 4 of 16)	NM_001002385	zgc:92052	8.250990552	5.236636322	3.01435423	1.06E-14
peak_20015	chr22	41060787	41061032	35097	intron (NM_001037696, intron 2 of 5)	NM_001003489	tm4sf4	4.921456318	1.907116997	3.014339321	4.16E-05
peak_19854	chr3	19809919	19810314	8559	intron (NM_001007051, intron 1 of 5)	NM_001007051	vat1	5.866236087	2.851983025	3.014253062	3.77E-05
peak_21534	chr15	27725251	27726120	7964	intron (NM_200251, intron 2 of 4)	NM_200251	slc43a2a	8.353254344	5.339937844	3.013316501	8.68E-05
peak_8264	chr18	33932424	33932763	143834	exon (NM_001102571, exon 48 of 105)	NM_001102571	ryr1b	6.237534703	3.224561523	3.01297318	1.50E-09
peak_13689	chr11	17498776	17499179	539597	Intergenic	NM_001110030	kbtbd8	6.62099632	3.608210658	3.012785662	6.51E-07
peak_25097	chr5	31599840	31600288	-28573	Intergenic	NR_030053		6.957001187	3.944794564	3.012206623	0.000402
peak_24466	chr3	21908705	21909254	-313519	Intergenic	NM_001003857	itga2b	7.743471939	4.731436788	3.012035151	0.000311
peak_19417	chr10	29026965	29027458	23265	intron (NM_001005391, intron 6 of 30)	NM_212758_1		7.976213079	4.965017531	3.011195548	2.95E-05
peak_9775	chr16	5131484	5132124	7078	intron (NM_152981, intron 1 of 8)	NM_152981	mtf1	7.127762088	4.117001033	3.010761056	1.20E-08
peak_20969	chr2	50016922	50017308	-10792	3' UTR (NM_001277094, exon 10 of 10)	NM_200301	sh3gl1a	5.922160485	2.91159412	3.010566365	6.59E-05
peak_14208	chr9	34066234	34066444	23747	intron (NM_205750, intron 2 of 7)	NM_205750	vangl1	4.887604564	1.877090602	3.010513962	9.92E-07
peak_11614	chr11	429991	430322	3081	intron (NM_001045347, intron 1 of 2)	NM_001045347	zgc:153788	6.321786659	3.311373384	3.010413275	9.18E-08
peak_9984	chr21	3589034	3589680	100012	Intergenic	NM_175082	smad7	8.125383671	5.115013481	3.01037019	1.53E-08
peak_15901	chr25	858779	860087	-12777	Intergenic	NM_199725_1	twf1a	8.89595497	5.885638311	3.010316658	3.50E-06
peak_5296	chr17	9216883	9217446	-395379	Intergenic	NM_001077768	zranb1b	7.781322799	4.771129388	3.010193411	4.81E-12
peak_27008	chr2	35300001	35300383	-12083	Intergenic	NM_001045358	mrps14	6.341744134	3.331655844	3.01008829	0.00078
peak_11544	chr8	2500771	2501181	6817	intron (NM_001123265, intron 2 of 21)	NM_001123265	ikbkb	6.729420877	3.719410682	3.010010195	8.58E-08
peak_13175	chr7	29404773	29405141	79606	Intergenic	NM_173219	lmo1	5.993092854	2.983191117	3.009901736	4.15E-07
peak_20277	chr17	19947663	19947862	26307	Intergenic	NM_001037573	actn2	3.718814869	0.709096771	3.009718098	4.77E-05
peak_27032	chr6	51071	51743	3823	intron (NM_205714, intron 5 of 12)	NM_205714	ap1m2	5.776623881	2.766967388	3.009656493	0.000785
peak_6296	chr13	3427352	3427758	163584	Intergenic	NM_201129	ncoa4	7.117162821	4.107862389	3.009300432	4.51E-11
peak_3487	chr11	10706366	10707041	101451	Intergenic	NM_198876	b3gnt5a	9.239701122	6.230493677	3.009207446	1.43E-14
peak_11225	chr7	63920821	63921145	1029750	Intergenic	NM_200491	tbc1d19	5.995507079	2.986591055	3.008916024	6.14E-08
peak_6675	chr24	14312671	14313039	-42682	exon (NM_131777, exon 12 of 22)	NM_001163831	prdm14	6.933938219	3.925128972	3.008809248	9.35E-11
peak_4165	chr2	15043146	15044143	94643	Intergenic	NM_200111	arhgap29b	9.440552693	6.431797303	3.008755391	1.74E-13
peak_18493	chr6	15488218	15488534	50541	Intergenic	NM_001079679	mlphb	5.900197442	2.891604298	3.008593144	1.78E-05
peak_22523	chr16	20754907	20755317	-176568	Intergenic	NM_199736	slc6a19b	6.482710789	3.474533601	3.008177188	0.000136
peak_9925	chr7	17178363	17178893	64414	intron (NM_001017735, intron 4 of 6)	NM_001017735	mpped2a	7.962398715	4.955015944	3.007382771	1.45E-08
peak_9058	chr22	16250977	16251445	7314	exon (NM_001007386, exon 4 of 7)	NM_001007386	dph5	6.685341027	3.67804479	3.007296237	4.59E-09
peak_16001	chr22	3194045	3194347	-17137	Intergenic	NM_001034990	lim2.2	5.188851241	2.18160029	3.007250951	3.77E-06
peak_22346	chr11	38565662	38566266	8031	intron (NM_001128738, intron 2 of 4)	NM_001128738	fam69b	6.761052635	3.753828318	3.007224317	0.000127
peak_18501	chr10	3064669	3064951	-71630	Intergenic	NM_001017561	zgc:110567	4.613817609	1.606593419	3.00722419	1.78E-05
peak_26712	chr2	2863142	2863451	-25347	Intergenic	NM_207059	aqp1a.1	5.723399576	2.716259194	3.007140381	0.000703
peak_16777	chr17	2594814	2595440	17606	Intergenic	NM_183073	bdkrb1	7.373599156	4.366562433	3.007036723	6.23E-06
peak_5528	chr20	10384782	10385205	-79179	Intergenic	NM_130910	meis2b	7.421685548	4.414787179	3.006898369	8.13E-12
peak_25257	chr9	595689	596278	-101508	Intergenic	NM_212594_1	ybey	5.162589511	2.155703238	3.006886273	0.000426
peak_12308	chr7	18113507	18113805	-5392	Intergenic	NM_001030121	nitr8_1	5.581962078	2.575164803	3.006797275	1.81E-07
peak_25258	chr16	38087047	38087561	-66890	Intergenic	NM_001002444	decr1	6.590213694	3.583531392	3.006682302	0.000426
peak_13859	chr25	9651745	9652036	-409731	Intergenic	NM_131385	rag2	5.682359636	2.675988532	3.006371104	7.47E-07
peak_28783	chr25	3127783	3128128	31186	exon (NM_001089539, exon 16 of 23)	NM_001089539	hps5	6.003088448	2.996787327	3.006301121	0.001412
peak_15295	chr8	12255137	12255731	32088	intron (NM_200965, intron 19 of 21)	NM_001113585	anapc7	7.675480574	4.669583444	3.00589713	2.26E-06
peak_10100	chr16	40226566	40227750	-313027	Intergenic	NM_001037432	zgc:123285	9.347000453	6.341161565	3.005838888	1.74E-08
peak_13037	chr12	15091923	15092259	-19863	Intergenic	NM_199783	klhl11	5.287479139	2.281706956	3.005772183	3.67E-07
peak_4885	chr15	26530475	26531171	-182463	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	8.919224811	5.913501338	3.005723473	1.65E-12
peak_8362	chr17	7560767	7561652	-9231	Intergenic	NR_003374		7.932943661	4.927803514	3.005140147	1.72E-09
peak_14964	chr17	38150385	38150861	-47222	intron (NM_001077519, intron 13 of 29)	NM_001076632	slc25a21	7.252657886	4.247530758	3.005127128	1.75E-06
peak_8627	chr14	45319672	45320268	45866	intron (NM_182885, intron 3 of 4)	NM_182885	pcdh10b	7.899011253	4.89412953	3.004881723	2.44E-09
peak_11663	chr12	18244764	18245087	22598	intron (NM_213404, intron 3 of 9)	NM_200274	ankrd22	6.521602373	3.516810727	3.004791647	9.53E-08
peak_13350	chr5	58205293	58205643	128463	Intergenic	NM_001007340	ppm1db	5.944529182	2.939745378	3.004783804	4.90E-07
peak_13911	chr18	33664858	33665496	86830	Intergenic	NM_199671	snrpa	7.854677844	4.84993327	3.004744575	7.78E-07
peak_18141	chr17	46660748	46661093	685251	Intergenic	NR_029933		4.058703696	1.054120914	3.004582782	1.48E-05
peak_23575	chr16	54559421	54559985	-151473	Intergenic	NM_213187	dhdds	7.205656619	4.201368855	3.004287764	0.000213
peak_4034	chr16	9247811	9248445	40422	intron (NM_001030206, intron 13 of 13)	NM_001030206	ano10a	7.929430621	4.925294572	3.004136049	1.14E-13
peak_16730	chr13	13641153	13641870	9406	intron (NM_001159828, intron 1 of 19)	NM_001159828	slc4a11	7.120326687	4.116566812	3.003759875	6.06E-06
peak_12668	chr5	35423307	35423864	19778	intron (NM_001122857, intron 1 of 15)	NM_001122857	dab2ipb	7.751776151	4.74877692	3.002999231	2.54E-07
peak_25653	chr7	9395457	9396048	45758	intron (NM_001020496, intron 1 of 4)	NM_001110408	zgc:172260	6.495466623	3.492688039	3.002778584	0.000487
peak_11350	chr2	31799507	31799814	65504	Intergenic	NM_200172	mycb	5.871503119	2.868922952	3.002580167	7.01E-08
peak_22747	chr19	45494444	45495009	-7415	Intergenic	NM_001100405_1	nkd3	3.222285668	0.219835396	3.002450273	0.00015
peak_23868	chr14	48008668	48009266	136328	Intergenic	NM_001080662	shisa3	6.458856603	3.456563471	3.002293132	0.000244
peak_17364	chr13	46015022	46015321	-36712	Intergenic	NM_001003437	syf2	5.860170902	2.858014771	3.002156131	8.91E-06
peak_11120	chr25	24111455	24111877	137753	Intergenic	NM_001020596	phlda2	6.087801773	3.085873402	3.001928371	5.59E-08
peak_12892	chr16	45214836	45215074	-37679	Intergenic	NM_200188	herpud2	5.758821157	2.756905583	3.001915574	3.14E-07
peak_4169	chr5	38686928	38688517	-64	promoter-TSS (NM_201576)	NM_201576	tagln2	10.27432626	7.272431518	3.001894747	1.78E-13
peak_19676	chr12	38651872	38652938	142578	Intergenic	NM_001080568	hs3st3b1b	3.896489853	0.895109366	3.001380487	3.43E-05
peak_16480	chr6	30723697	30724216	192777	Intergenic	NM_001113376	lepr	6.995172491	3.994408786	3.000763705	5.19E-06
peak_27517	chr12	31733927	31734326	48710	intron (NM_001014363, intron 5 of 10)	NM_001014363	ablim1b	5.816663503	2.81595363	3.000709873	0.00093
peak_16613	chr18	29645635	29646349	201866	Intergenic	NM_001282139	cmc2	7.025586561	4.025027781	3.00055878	5.64E-06
peak_10260	chr18	48232658	48232964	132960	Intergenic	NM_001007334	yif1b	6.50228763	3.502096561	3.000191069	2.09E-08
peak_21797	chr23	27641760	27642623	40979	intron (NM_212963, intron 1 of 37)	NM_212963	dip2ba	7.901404116	4.90130996	3.000094156	9.89E-05
peak_9854	chr5	49943789	49944087	9037	Intergenic	NR_029998		5.987192641	2.987286997	2.999905644	1.33E-08
peak_7954	chr22	17136927	17137779	82094	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	8.00505318	5.00545233	2.99960085	8.86E-10
peak_11748	chr8	10976053	10976447	-61590	Intergenic	NM_001077391	zgc:153997	6.266751174	3.268117169	2.998634005	1.03E-07
peak_26979	chr12	29080449	29081094	-26487	Intergenic	NM_131425	etv4	7.035360294	4.03677639	2.998583904	0.000774
peak_8004	chr2	454800	455387	-44815	Intergenic	NM_212920	wrnip1	7.771282443	4.772792659	2.998489784	9.69E-10
peak_5031	chr25	749006	750126	95092	intron (NM_001098393, intron 2 of 7)	NM_001098393	zgc:162740	8.785985711	5.787537467	2.998448244	2.42E-12
peak_12133	chr17	47978033	47978420	-7414	Intergenic	NM_001006009	zgc:103755	5.99343799	2.99510185	2.99833614	1.53E-07
peak_14743	chr2	38488523	38488757	-62910	Intergenic	NM_001245990	gig2q	5.340116769	2.342001139	2.99811563	1.50E-06
peak_20683	chr12	47874189	47874516	-45272	Intergenic	NM_198802	adkb	3.552201346	0.554393687	2.99780766	5.82E-05
peak_7718	chr14	43636704	43637383	216626	Intergenic	NM_001030213	afap1l1a	8.704873887	5.707119559	2.997754328	6.23E-10
peak_23090	chr5	16668347	16668749	-238788	Intergenic	NM_183339	tbx1	3.217566349	0.219835396	2.997730953	0.000176
peak_18212	chr9	50029556	50030272	-117650	Intergenic	NM_001113604	nostrin	7.885095686	4.887528264	2.997567422	1.54E-05
peak_14694	chr10	2050820	2051155	-60904	Intergenic	NM_131092	oep	5.849130417	2.851691633	2.997438784	1.45E-06
peak_19281	chr1	19130276	19130801	244544	Intergenic	NM_001044325	zgc:136652	7.407472926	4.410154261	2.997318665	2.75E-05
peak_15136	chr19	3688806	3689159	-2490	Intergenic	NM_001128332	si:ch211-80h18.1	6.133115547	3.136333209	2.996782337	1.99E-06
peak_12225	chr19	41237741	41237987	26840	intron (NM_001144053, intron 3 of 6)	NM_001144053	cdk6	5.955220153	2.958546037	2.996674116	1.67E-07
peak_6326	chr10	26225396	26226196	108063	Intergenic	NM_131294	sod1	8.571628416	5.575007827	2.99662059	4.75E-11
peak_21519	chr1	18049783	18050279	-24667	Intergenic	NM_001002749	tyrp1b	6.295355037	3.299427081	2.995927956	8.61E-05
peak_10808	chr14	30065328	30065779	-479193	Intergenic	NM_001039064	insb	7.099118025	4.103313229	2.995804796	3.89E-08
peak_22598	chr22	3774947	3775279	73794	Intergenic	NM_001013507	timm44	5.073181882	2.077505579	2.995676303	0.000141

peak_20967	chr24	11525950	11526650	67407	intron (NM_205728, intron 1 of 14)	NM_205728	gli3	7.252793639	4.257389732	2.995403907	6.59E-05
peak_23451	chr13	191460	191734	1397	intron (NM_001040352, intron 2 of 7)	NM_001040352	irf1a	3.215200887	0.219835396	2.995365491	0.000202
peak_23452	chr17	598039	598455	-40310	Intergenic	NM_001017876_2	fsip1	3.215200887	0.219835396	2.995365491	0.000202
peak_5590	chr11	12987449	12988363	69475	Intergenic	NM_200485_1	zgpat	7.887790234	4.892687908	2.995102326	9.67E-12
peak_9903	chr25	33627362	33628056	106896	intron (NM_001123047, intron 22 of 29)	NM_130970	isl2a	8.047988447	5.05291206	2.995076386	1.41E-08
peak_13429	chr7	35542468	35542888	-7166	Intergenic	NM_001024810	smad6a	7.313086655	4.31833234	2.994754315	5.23E-07
peak_5659	chr1	42133744	42134208	66310	Intergenic	NM_001007352	rnf24	7.035695467	4.041065763	2.994629704	1.12E-11
peak_14723	chr18	10259619	10260496	-98607	Intergenic	NM_200321	rbm28	8.920992225	5.92666248	2.994329745	1.48E-06
peak_2987	chr1	35618167	35618931	5348	intron (NM_131356, intron 1 of 5)	NM_131356	smad1	10.01386985	7.01968441	2.994185436	1.94E-15
peak_14611	chr10	17046320	17046848	-21286	Intergenic	NM_001083020	fam166b	6.241932681	3.247925105	2.994007576	1.36E-06
peak_21717	chr5	17625264	17625727	31967	Intergenic	NM_001100957	hspb8	5.83488175	2.841092306	2.993789444	9.47E-05
peak_12420	chr25	10708617	10709042	12521	Intergenic	NM_200948	psmd13	6.655504263	3.661839558	2.993664706	2.04E-07
peak_21703	chr20	42292365	42292797	13872	exon (NM_200557, exon 2 of 9)	NM_200557	gopc	6.790826387	3.797351011	2.993475376	9.40E-05
peak_27044	chr1	15603273	15603820	-172686	Intergenic	NM_001017793	zgc:112426	7.220058204	4.227113239	2.992944965	0.000789
peak_13069	chr21	34384345	34385214	91588	Intergenic	NM_200048	rars	7.322748315	4.329804552	2.992943763	3.78E-07
peak_2623	chr9	58157438	58159465	-6821	intron (NM_001003944, intron 5 of 11)	NM_213041	ubxn4	10.50783449	7.515187185	2.992647303	2.97E-16
peak_4889	chr13	37361223	37362178	1748	intron (NM_001020816, intron 1 of 13)	NM_001020816	frmd6	8.557256828	5.564753078	2.99250375	1.68E-12
peak_20878	chr23	44141091	44141424	38512	Intergenic	NM_213374	zgc:56304	5.985458636	2.993720631	2.991738005	6.32E-05
peak_20804	chr12	5589924	5590485	16144	intron (NM_001161653, intron 1 of 11)	NM_001161653	plce1	8.40436534	5.413667611	2.990697729	6.13E-05
peak_3436	chr2	36330606	36331263	4095	Intergenic	NM_001007168	ing5b	9.543475668	6.553033195	2.990442472	1.16E-14
peak_3476	chr10	46544129	46545942	2661	intron (NM_001136487, intron 1 of 11)	NM_001136487	zswim6	9.097102761	6.106780442	2.990322319	1.36E-14
peak_17618	chr7	62766379	62766843	43459	intron (NM_001083551, intron 1 of 10)	NM_001083551	rbpjb	7.118587419	4.128383282	2.990204137	1.07E-05
peak_14515	chr16	6824227	6824711	-28997	Intergenic	NM_001002182	zgc:91890	6.815090948	3.824900093	2.990190855	1.27E-06
peak_4112	chr16	41618317	41619359	11644	Intergenic	NM_001002427	eny2	8.480916573	5.490770077	2.990146496	1.46E-13
peak_7470	chr20	31372132	31372517	58817	intron (NM_001032729, intron 2 of 7)	NM_001025488	si:dkey-185l3.3	7.478264472	4.488268965	2.989995507	4.07E-10
peak_21621	chr23	18841993	18842301	36139	Intergenic	NM_001006008	zgc:103759	6.269888677	3.281013701	2.988874976	9.09E-05
peak_6219	chr13	3774254	3774841	103992	Intergenic	NM_001163199	dnph1	8.241492639	5.253153781	2.988338857	3.91E-11
peak_23237	chr3	46305887	46306512	111814	Intergenic	NM_001017690	snrnp25	8.009601822	5.021645792	2.98795603	0.000186
peak_9928	chr18	7346469	7347217	244067	Intergenic	NM_001044963	rabl2	6.91836964	3.930451546	2.987918094	1.45E-08
peak_6070	chr5	7829084	7829974	9367	intron (NM_001014306, intron 1 of 18)	NM_001014306	lifra	9.106722073	6.119188275	2.987533798	2.82E-11
peak_21982	chr2	27370846	27371219	106272	Intergenic	NM_001020557	tmx3	6.015736251	3.02861867	2.987117581	0.000108
peak_14232	chr2	34508925	34509281	-328357	Intergenic	NM_001089542	rfwd2	4.930136166	1.943272305	2.98686386	1.01E-06
peak_7284	chr1	16828992	16829420	186981	Intergenic	NM_001077602	cyp4v8	7.619543682	4.6327974	2.986746283	2.99E-10
peak_24465	chr10	32199813	32200386	-12044	Intergenic	NM_153654	pknox2	7.910946732	4.924225055	2.986721677	0.000311
peak_23916	chr11	1945151	1945516	-23587	Intergenic	NM_001285533	nr1d4b	5.142153178	2.155703238	2.98644994	0.000248
peak_7258	chr15	13099822	13100239	-1789	Intergenic	NM_001159512	tmprss13a	6.982659603	3.997331998	2.985327604	2.85E-10
peak_10513	chr6	39861512	39861815	-10694	Intergenic	NM_001040340	sumf1	6.216366853	3.231093465	2.985273388	2.75E-08
peak_15603	chr5	37433922	37434286	29972	intron (NM_001126477, intron 1 of 13)	NM_001126477	stard8	6.27757755	3.292507388	2.985070162	2.80E-06
peak_19709	chr5	45143380	45144201	54664	Intergenic	NM_001099974	rhobtb2a	8.147398675	5.162680471	2.984718204	3.49E-05
peak_9682	chr25	1063655	1064412	52970	Intergenic	NM_001080075	nell2a	7.85856694	4.873941636	2.984625304	1.06E-08
peak_9145	chr5	30421033	30422182	13267	intron (NM_001089515, intron 6 of 10)	NM_001089515	zgc:162228	8.993953025	6.00933812	2.984614905	5.11E-09
peak_12732	chr6	59876621	59877899	61393	Intergenic	NM_199817	tgds	9.212175578	6.227654257	2.984521321	2.73E-07
peak_12654	chr8	33138772	33139216	55339	exon (NM_001002302, exon 6 of 17)	NM_001159661	zgc:91897	6.010269238	3.026151407	2.984117831	2.51E-07
peak_9586	chr24	39376033	39376747	4610	intron (NM_001163897, intron 1 of 2)	NM_001163897	tmem204	8.453889893	5.469823197	2.984066696	9.42E-09
peak_8179	chr12	30081754	30082173	166218	Intergenic	NM_001002515	cdk5r1b	7.587250872	4.603655473	2.983595399	1.29E-09
peak_11587	chr17	46095302	46096187	120075	Intergenic	NR_029933		7.584154017	4.600568523	2.983585494	8.91E-08
peak_13107	chr17	5395591	5395821	42290	Intergenic	NM_001077335	fam167aa	5.063313966	2.079789511	2.983524454	3.92E-07
peak_27038	chr18	4978007	4979147	3901	exon (NM_131879, exon 2 of 7)	NM_131879	cyp1a	7.699091605	4.716291374	2.982800231	0.000787
peak_14945	chr19	45487963	45488688	3322	Intergenic	NM_001100405	nkd3	6.016755299	3.035084161	2.981671138	1.73E-06
peak_7043	chr12	2535978	2537225	250661	Intergenic	NM_131721	mapk8b	10.15679139	7.175141815	2.981649576	1.85E-10
peak_5372	chr18	38189839	38190490	103218	Intergenic	NM_001080165	gldn	8.181430805	5.199956516	2.981474289	5.48E-12
peak_20484	chr18	15815449	15815909	22618	intron (NM_001245072, intron 7 of 10)	NM_001245071	LOC564144	6.005828203	3.024380105	2.981448098	5.25E-05
peak_10644	chr12	12224915	12225623	38448	intron (NM_131406, intron 1 of 7)	NM_131406	raraa	8.520525113	5.539763711	2.980761402	3.29E-08
peak_22922	chr11	6579232	6579656	40631	Intergenic	NM_213031	gadd45ba	6.32343482	3.343040378	2.980394443	0.000163
peak_7532	chr4	59584655	59585451	13844	intron (NM_001199134, intron 2 of 29)	NM_001199134	ptprb	8.377442643	5.397894321	2.979548322	4.64E-10
peak_15727	chr20	47308286	47308728	-6616	Intergenic	NM_001018134	dnmt3aa	7.088457545	4.109374863	2.979082682	3.11E-06
peak_3343	chr1	19619163	19619714	-12111	Intergenic	NM_131010	tll1	8.918174608	5.939299919	2.978874689	8.16E-15
peak_15874	chr8	23854728	23855077	-7703	intron (NM_001110398, intron 3 of 4)	NM_001128259	uckl1a	6.025576716	3.046830331	2.978746385	3.45E-06
peak_14180	chr18	23066246	23066610	91847	intron (NM_131301, intron 4 of 9)	NM_131301	mef2aa	6.342572933	3.364025278	2.978547655	9.73E-07
peak_18121	chr24	22890170	22890734	-178949	Intergenic	NM_131572	dap	8.22662694	5.248191751	2.978435189	1.47E-05
peak_15001	chr16	39885790	39886035	28219	exon (NM_001037432, exon 14 of 16)	NM_001037432	zgc:123285	5.810385827	2.832019538	2.978366289	1.80E-06
peak_20190	chr9	6338321	6338717	41827	intron (NM_173242, intron 6 of 15)	NM_173242	uxs1	3.68663467	0.709096771	2.977537899	4.56E-05
peak_3584	chr3	51483249	51483881	-97672	Intergenic	NM_001102636	zgc:165582	8.727875127	5.750736526	2.9771386	2.08E-14
peak_12675	chr5	28479888	28480301	-836	promoter-TSS (NM_001128348)	NM_001128348	si:ch211-102c2.4	5.494735408	2.517673204	2.977062204	2.57E-07
peak_9897	chr18	22783210	22784044	8803	intron (NM_199209, intron 3 of 5)	NM_199209	cbfb	9.115893017	6.139136343	2.976756674	1.39E-08
peak_17374	chr9	39230706	39231019	10541	intron (NM_001115139, intron 1 of 38)	NM_001115139	clasp1a	5.761255326	2.78451592	2.976739406	8.99E-06
peak_5209	chr5	3152246	3153327	-4023	Intergenic	NR_030090		8.461049194	5.484482684	2.976566511	3.83E-12
peak_15422	chr11	3758762	3759127	-67632	Intergenic	NM_001020588	itih3a	6.863961877	3.887470549	2.976491328	2.46E-06
peak_16365	chr14	10765634	10766130	-57910	Intergenic	NM_001113596	nup62l	6.692610916	3.716612742	2.975998174	4.80E-06
peak_12655	chr18	8102440	8102815	-58117	Intergenic	NM_001128535	si:ch211-220f12.	6.584484333	3.608607746	2.975876587	2.51E-07
peak_28666	chr21	34864488	34865082	-53040	Intergenic	NM_001001816	sgcd	6.323967779	3.348184434	2.975783345	0.001356
peak_9717	chr14	50516543	50517035	-266268	Intergenic	NM_001031842	fstl5	7.677535032	4.702194088	2.975340944	1.11E-08
peak_17824	chr9	15117567	15117864	-336649	Intergenic	NM_212966	nrp2b	5.217531877	2.24223701	2.975294867	1.22E-05
peak_5179	chr17	27942303	27942947	218439	Intergenic	NM_001242995	kdm1a	8.288699479	5.313473846	2.975225633	3.59E-12
peak_14263	chr5	30159144	30159582	14243	Intergenic	NR_040606		7.116212306	4.141320237	2.974892069	1.03E-06
peak_14094	chr20	35290796	35291079	10893	intron (NM_200108_1, intron 1 of 11)	NM_200108_1	znf395	5.927609933	2.952923814	2.97468612	9.09E-07
peak_14965	chr18	19521246	19521573	-32314	Intergenic	NM_175083	smad3b	5.696044874	2.721387995	2.974656879	1.76E-06
peak_27073	chr24	17667809	17668533	49646	exon (NM_001128702, exon 7 of 10)	NM_001128702	pip4k2aa	7.30891681	4.334516727	2.974400082	0.000795
peak_22426	chr16	6823388	6824035	-29755	Intergenic	NM_001002182	zgc:91890	6.842812384	3.868446713	2.974365671	0.000131
peak_21597	chr13	25354494	25355039	67226	intron (NM_001272084, intron 4 of 10)	NM_001272084	adka	7.339430239	4.36550012	2.973930118	8.98E-05
peak_4280	chr10	9235766	9236692	-13638	Intergenic	NM_001003479	rasgef1bb	8.103041508	5.12921418	2.973827329	2.58E-13
peak_5161	chr5	46068382	46069074	46659	Intergenic	NM_001111220	gas1a	10.01293139	7.039274749	2.973656644	3.44E-12
peak_6640	chr18	39099059	39099781	-48788	Intergenic	NM_198146	akt2	9.023130281	6.049530734	2.973599548	8.86E-11
peak_13533	chr15	12461289	12461827	-145041	Intergenic	NM_001115148	LOC100002553	6.709342407	3.735997996	2.973344412	5.68E-07
peak_18731	chr1	17129431	17129813	-50849	intron (NM_001170942, intron 5 of 10)	NM_131393	mtnr1aa	5.907929007	2.934690609	2.973238398	2.03E-05
peak_10753	chr16	18545476	18545778	-32824	Intergenic	NM_001003589	ccdc12	6.217844527	3.244829549	2.973014978	3.67E-08
peak_18487	chr9	42970974	42971263	-16384	Intergenic	NM_001039630	col18a1	5.827567192	2.854581548	2.972985644	1.77E-05
peak_14711	chr7	15966215	15966567	54884	Intergenic	NM_200799	zgc:73349	6.190658387	3.218394508	2.97226388	1.47E-06
peak_7114	chr3	32513293	32513897	-13598	Intergenic	NM_200650	prmt1	7.144988362	4.172875229	2.972113133	2.17E-10
peak_3710	chr8	18516875	18517487	-10232	Intergenic	NM_001020754	fpgt	8.494853748	5.522978793	2.971874955	3.45E-14
peak_18336	chr6	33747386	33747703	10836	exon (NM_001114441, exon 5 of 13)	NM_001114441	ap1m3	5.428203117	2.456710871	2.971492246	1.64E-05
peak_10235	chr24	2472184	2472716	-56705	Intergenic	NM_001076711	f13a1a.1	7.624021676	4.653177097	2.970844579	2.01E-08
peak_23731	chr18	9526656	9526879	232023	Intergenic	NM_001100024	LOC566572	6.71145414	3.741076351	2.970377789	0.000229
peak_21796	chr2	39350692	39351064	27649	intron (NM_001256642, intron 2 of 2)	NM_001039833	zgc:136870	6.010630185	3.040741825	2.96988836	9.88E-05
peak_6084	chr5	19779242	19779843	78358	intron (NM_178304, intron 1 of 10)	NM_178304	zdhhc8b	8.204683805	5.234973591	2.969710215	2.93E-11
peak_24344	chr2	44659044	44660292	26967	intron (NM_001077340, intron 5 of 7)	NM_001077340	klhl24a	9.312311922	6.342708754	2.969603168	0.000298
peak_22627	chr12	30497612	30498296	-6581	Intergenic	NM_001012489	znf668	7.531282489	4.561759606	2.969522883	0.000143
peak_19174	chr10	27247501	27247743	14222	intron (NM_199217, intron 1 of 5)	NM_199217	fhl1b	5.906097005	2.936598729	2.969498276	2.60E-05
peak_11335	chr5	43679207	43679615	-31426	Intergenic	NM_001013272	ubb	6.643433462	3.673979954	2.969453509	6.91E-08
peak_15003	chr24	19055685	19055969	-29049	Intergenic	NM_001200062	LOC100150965	5.467081108	2.497637293	2.969443815	1.80E-06
peak_21355	chr13	51847049	51847622	-20178	Intergenic	NM_001014817	dntt	6.973210852	4.004154712	2.969056141	7.96E-05
peak_30269	chr9	49262919	49263432	20790	Intergenic	NM_200299	bbs5	3.188780911	0.219835396	2.968945515	0.002178
peak_30268	chr8	43668849	43669242	-17310	Intergenic	NM_001123259	si:ch211-158d24.	3.188780911	0.219835396	2.968945515	0.002178
peak_6677	chr23	1840119	1840935	114945	Intergenic	NM_001076663	rabggta	8.649800375	5.68097093	2.968829445	9.37E-11
peak_26305	chr12	17061665	17062279	-96585	Intergenic	NM_001012487	znf281b	6.863395518	3.894622906	2.968772612	0.000611

peak_21705	chr24	5128924	5129745	71399	Intergenic	NM_001076612	zic4	7.817145333	4.848519795	2.968625538	9.42E-05
peak_18257	chr18	35266169	35266437	119851	Intergenic	NM_001044905	ttc9b	5.529981478	2.561912584	2.968068894	1.58E-05
peak_6874	chr16	31131468	31132030	22373	Intergenic	NM_001077306	chtopb	7.373989101	4.405933362	2.96805574	1.35E-10
peak_19387	chr10	33963996	33964479	-118829	Intergenic	NM_001045333	kctd7	6.992036796	4.02404723	2.967989565	2.92E-05
peak_13824	chr17	37858176	37858682	45278	Intergenic	NM_001076673	tmem229b	6.514872289	3.547076417	2.967795872	7.23E-07
peak_7144	chr3	5778112	5779149	89548	Intergenic	NM_001002476	polr3h	8.290237203	5.322645383	2.967591821	2.26E-10
peak_17141	chr1	23844107	23844443	190176	Intergenic	NM_001130587	tmem154	6.469344993	3.501853856	2.967491136	7.69E-06
peak_17093	chr4	19289366	19289639	35685	intron (NM_131900, intron 1 of 46)	NM_131900	cacna1c	5.55970608	2.59231394	2.967392141	7.45E-06
peak_6282	chr24	5364571	5365112	47368	intron (NM_001007377, intron 8 of 18)	NM_001089464	plod2	7.454343355	4.487088369	2.967254986	4.42E-11
peak_3581	chr20	20326769	20327267	15315	intron (NM_194415, intron 1 of 13)	NM_194415	ppp2r5ea	8.213106311	5.245969003	2.967137308	2.07E-14
peak_12293	chr5	64578362	64578668	7478	intron (NM_213060, intron 3 of 10)	NM_213060	bckdk	5.965149317	2.998457673	2.966691644	1.78E-07
peak_22352	chr19	739874	740342	-8980	Intergenic	NM_001045060	zgc:162356	6.261585596	3.294940375	2.966645221	0.000128
peak_11760	chr8	43527095	43527424	26164	intron (NM_200838, intron 9 of 21)	NM_200838	golga1	5.91452628	2.948294477	2.966231804	1.05E-07
peak_16784	chr21	14361412	14361848	-56098	Intergenic	NM_001130782	zgc:193801	6.631039011	3.665190876	2.965848134	6.25E-06
peak_7502	chr12	17404479	17405102	49210	Intergenic	NM_200834	ppp1r3cb	8.575152459	5.610195093	2.964957365	4.34E-10
peak_15777	chr17	10097078	10097406	2469	intron (NM_131432, intron 1 of 24)	NM_131432	tyro3	6.194265903	3.229384373	2.96488153	3.23E-06
peak_6864	chr1	28566872	28567788	31385	intron (NM_001114714, intron 2 of 4)	NM_001114714	si:dkey-1h24.2	8.685039249	5.720554278	2.964484972	1.31E-10
peak_22864	chr13	13531426	13532520	-10719	Intergenic	NM_001020532	cfd	8.299362998	5.33491597	2.964447028	0.000158
peak_24177	chr24	7881782	7882124	26960	Intergenic	NM_213013	zgc:56095	5.777826552	2.814360421	2.963466132	0.000278
peak_17962	chr23	19264012	19264333	5902	intron (NM_131807, intron 2 of 2)	NM_131807	bcl2l1	5.893903958	2.930493285	2.963410673	1.34E-05
peak_6877	chr9	29262245	29262708	-3602	Intergenic	NM_131134	fzd5	6.847413097	3.884052607	2.963360489	1.36E-10
peak_8974	chr14	43203569	43204065	8033	intron (NM_001012263, intron 1 of 5)	NM_001012263	fgfrl1b	7.131364193	4.168114444	2.963249749	4.05E-09
peak_5959	chr1	10930344	10931012	-60057	Intergenic	NM_001040305	brat1	8.295647188	5.332408188	2.963239	2.13E-11
peak_18928	chr14	239178	240040	-4797	Intergenic	NM_001080593	hs3st1	8.520109455	5.557536063	2.962573392	2.28E-05
peak_14328	chr20	52366164	52366637	172534	Intergenic	NM_212701	hlx1	6.646082937	3.683959626	2.962123311	1.08E-06
peak_26533	chr14	43416791	43417317	-3363	intron (NM_001080598, intron 21 of 22)	NM_001030213	afap1l1a	3.18152925	0.219835396	2.961693855	0.00066
peak_17333	chr15	19288383	19288699	-25228	Intergenic	NM_001009558	il15l	5.498630944	2.537465366	2.961165578	8.69E-06
peak_12847	chr19	33692855	33693209	-139406	Intergenic	NM_001044826	atxn1a	6.465369461	3.504383706	2.960985754	3.01E-07
peak_15246	chr6	10741838	10742196	-2147	exon (NM_131761, exon 4 of 4)	NM_131445	chrna1	6.883699977	3.922970179	2.960729797	2.18E-06
peak_8143	chr9	39724039	39724472	-12925	exon (NM_001128277, exon 8 of 13)	NM_212968	heg	7.596027403	4.635570518	2.960456885	1.22E-09
peak_29831	chr6	27838599	27838901	-75116	Intergenic	NM_131496	smx5	6.399796886	3.439402938	2.960393948	0.001931
peak_15928	chr7	63252229	63252642	361202	Intergenic	NM_200491	tbc1d19	6.25841321	3.298056458	2.960356752	3.58E-06
peak_22651	chr16	58237362	58237802	-43592	Intergenic	NM_001077321_1	spag1b	6.050414897	3.090248842	2.960166055	0.000145
peak_10372	chr19	25229666	25230040	1129	intron (NM_001045221, intron 1 of 21)	NM_001045221	si:dkeyp-92c9.3	6.076117737	3.116098773	2.960018964	2.36E-08
peak_20237	chr16	27984233	27984954	-15789	Intergenic	NM_001128252	zgc:172162	4.731284458	1.771592457	2.959692001	4.67E-05
peak_3464	chr25	29890891	29891532	49557	intron (NM_001083002, intron 4 of 8)	NM_001083002	arid3b	8.786032613	5.826386942	2.959645671	1.30E-14
peak_18927	chr8	55178421	55178880	-16917	exon (NM_212609, exon 9 of 12)	NM_001256222	LOC553228	4.862839956	1.903219283	2.959620673	2.28E-05
peak_15336	chr24	29744937	29745168	70724	intron (NM_001083844, intron 30 of 65)	NM_001083844	col11a1a	5.715446952	2.756047743	2.959399208	2.33E-06
peak_19297	chr14	2019476	2019856	-79939	Intergenic	NM_001111171	etf1a	6.38749135	3.428639898	2.958851452	2.78E-05
peak_20269	chr22	32761026	32761313	24218	intron (NM_199663, intron 2 of 17)	NM_199663	add3a	5.679788522	2.721451059	2.958337463	4.75E-05
peak_2877	chr3	2138802	2141549	875	TTS (NM_001020686_1)	NM_001020686_1	ddx47	12.02618236	9.068201658	2.957980705	1.17E-15
peak_9411	chr9	1853212	1853501	76533	Intergenic	NM_131125	hoxd3a	6.583122482	3.625902613	2.957219869	7.46E-09
peak_3789	chr6	4915869	4916816	484142	Intergenic	NM_201285	pou4f1	10.00548851	7.048329452	2.957159061	4.83E-14
peak_13936	chr20	46887779	46888171	50291	intron (NM_001045059, intron 4 of 4)	NM_001002493	jdp2	6.717119702	3.760346678	2.956773024	7.93E-07
peak_15640	chr13	43266155	43266471	10926	exon (NM_200659, exon 14 of 20)	NM_200659	mlh1	6.379824576	3.423094343	2.956730233	2.89E-06
peak_17500	chr18	42015238	42016112	-302854	Intergenic	NM_001167569_1	pvrl1b	7.733886854	4.777235618	2.956651236	9.77E-06
peak_15995	chr7	67919668	67920779	6280	Intergenic	NM_212949	pth1b	8.198687817	5.242169167	2.95651865	3.75E-06
peak_16776	chr14	17616668	17617185	-95562	Intergenic	NM_001159841	LOC100149406	7.234033906	4.27768508	2.956348826	6.23E-06
peak_8136	chr18	8834601	8835038	-2177	Intergenic	NM_131061	sema3ab	7.481719915	4.525462289	2.956257626	1.20E-09
peak_15437	chr8	42451540	42452255	75198	Intergenic	NM_001075105	aplnra	6.759418245	3.803229607	2.956188639	2.49E-06
peak_18897	chr25	5402783	5403192	-54	promoter-TSS (NM_001089538)	NM_001089538	parvg	6.405529105	3.449686338	2.955842768	2.24E-05
peak_10942	chr8	41805313	41805879	-5335	3' UTR (NM_212787, exon 5 of 5)	NM_001109827	zgc:174931	7.574694584	4.618912998	2.955781586	4.58E-08
peak_17607	chr24	10407711	10407995	193615	Intergenic	NM_131412	myca	5.458606642	2.503300395	2.955306247	1.07E-05
peak_17199	chr9	47417928	47418265	198435	Intergenic	NM_131069	cx43.4	5.707870942	2.752667682	2.95520326	7.99E-06
peak_25644	chr5	19447400	19448114	-111230	Intergenic	NM_001100015	chfr	8.022620628	5.068424079	2.954196549	0.000486
peak_19422	chr2	35328974	35329384	4692	intron (NM_201308, intron 9 of 14)	NM_201308	plk3	6.318468606	3.364328976	2.95413963	2.97E-05
peak_6578	chr13	36410164	36410702	-31873	Intergenic	NM_001077315	zgc:153911	7.844630837	4.891333153	2.953297684	7.83E-11
peak_19272	chr19	14200369	14200949	-152375	Intergenic	NM_131258	oprd1a	6.921819023	3.968746682	2.953072341	2.74E-05
peak_11817	chr10	20580151	20580570	37845	Intergenic	NM_001002211	ppapdc1b	6.327547004	3.374533043	2.953013961	1.11E-07
peak_13337	chr11	42817155	42817462	-126727	Intergenic	NM_001002369	akr7a3	5.748201508	2.795456033	2.952745474	4.84E-07
peak_5434	chr2	32578242	32579231	14221	Intergenic	NM_001002637	tmem53	8.020251388	5.067561649	2.952689738	6.58E-12
peak_17941	chr7	42186762	42187519	-55509	Intergenic	NM_001077256	rnf32	6.623464313	3.671044667	2.952419646	1.32E-05
peak_3831	chr16	6573249	6573801	78664	Intergenic	NM_001020563	echdc1	8.772598921	5.820425681	2.952173239	5.69E-14
peak_9935	chr12	49525547	49526124	5	promoter-TSS (NM_001017610)	NM_001017610	ascc1	7.768948307	4.817446931	2.951501376	1.46E-08
peak_5493	chr3	37717266	37718393	62790	Intergenic	NM_131562	baxa	9.900070124	6.949155679	2.950914445	7.55E-12
peak_30151	chr1	47502270	47502562	66670	exon (NM_207182, exon 33 of 38)	NM_207182	itsn1	6.01643551	3.06612637	2.950309141	0.002112
peak_15256	chr7	44449515	44450011	6291	intron (NM_199824, intron 3 of 5)	NM_199824	arl8	6.859224362	3.909157264	2.950067098	2.19E-06
peak_16353	chr2	52399304	52399787	18832	intron (NM_001177453, intron 2 of 6)	NM_001177453	eef1da	7.510048807	4.560033565	2.950015242	4.75E-06
peak_23913	chr14	33897805	33898433	1286	intron (NM_131472, intron 1 of 29)	NM_131472	kdrl	3.169361555	0.219835396	2.94952616	0.000247
peak_9062	chr6	13734064	13734887	17159	intron (NM_001033919, intron 1 of 4)	NM_001033919	tmem198b	9.049605034	6.100357766	2.949247268	4.60E-09
peak_15195	chr24	25447137	25447619	7703	intron (NM_001039982, intron 4 of 7)	NM_001039982	trim55b	7.796881461	4.847890548	2.948990913	2.08E-06
peak_14157	chr7	21596502	21596862	25012	Intergenic	NM_001039513	cnpy4	6.133428763	3.184639186	2.948789577	9.54E-07
peak_9512	chr9	21395409	21395795	10589	intron (NM_001159666, intron 1 of 8)	NM_001159666	igsf3	6.23873372	3.29005706	2.948676659	8.49E-09
peak_7120	chr16	1316268	1317091	213339	Intergenic	NM_178222	sim1a	8.959790788	6.011376628	2.94841416	2.18E-10
peak_23512	chr23	38654078	38654647	-391706	Intergenic	NM_001080609	sall4	7.145445253	4.197298796	2.948146457	0.000208
peak_28257	chr5	217863	218278	-24088	Intergenic	NM_001076743	zgc:153924	3.42263522	0.474639816	2.947995403	0.001192
peak_17756	chr16	32470143	32470678	-82	promoter-TSS (NM_001199365)	NM_001199365	sema6e	7.316806714	4.368821851	2.947984863	1.17E-05
peak_18554	chr18	19229855	19230363	6803	exon (NM_213419, exon 7 of 11)	NM_213107	rpl4	7.251207041	4.303238681	2.94796836	1.83E-05
peak_5200	chr1	12863196	12864482	-10941	Intergenic	NM_199219	elf2b	10.07626641	7.128503093	2.947763315	3.79E-12
peak_20290	chr12	20273885	20274267	-10794	Intergenic	NM_001003838	cby1	6.178853566	3.231098664	2.947754903	4.81E-05
peak_7767	chr10	19741914	19742494	117995	Intergenic	NM_001111233	zgc:173837	7.428998606	4.481318741	2.947679865	6.63E-10
peak_16462	chr7	77240394	77240780	-26380	Intergenic	NM_001004655	rs1b	4.422575411	1.475018232	2.947557179	5.13E-06
peak_15615	chr8	18499674	18500478	-359	promoter-TSS (NM_001204823)	NM_001204823	tnni3k	7.672764274	4.725360513	2.947403761	2.83E-06
peak_13890	chr7	62028721	62029066	70946	Intergenic	NM_212647_1		5.813125692	2.865740479	2.947385213	7.65E-07
peak_3774	chr12	21830693	21831538	-58656	Intergenic	NM_001012243	gna13a	10.76196589	7.81485754	2.947108352	4.57E-14
peak_16675	chr12	4043713	4044038	-121829	Intergenic	NM_001114916	coa3	4.739586052	1.792814747	2.946771306	5.85E-06
peak_11117	chr6	20651942	20652815	-347349	Intergenic	NM_178131	scinla	9.362853891	6.416172451	2.94668144	5.57E-08
peak_19967	chr3	32799672	32800270	-8151	Intergenic	NM_201183	rnf25	5.877499131	2.93086678	2.946632351	4.04E-05
peak_16027	chr21	730833	731324	101480	Intergenic	NM_194432	oaz2a	6.941491528	3.995157077	2.946334451	3.84E-06
peak_29362	chr23	43928459	43929021	-9724	Intergenic	NM_001017554_3	rnf150a	6.676770549	3.730793277	2.945977272	0.00169
peak_2911	chr17	52375847	52377148	-31541	intron (NM_001040406, intron 2 of 10)	NM_001114406	exd2	10.21736768	7.271479875	2.945887805	1.35E-15
peak_12686	chr15	29918000	29918948	187416	intron (NM_201109, intron 7 of 14)	NM_001003615	mrps23	9.520521621	6.57468457	2.945837051	2.60E-07
peak_7815	chr2	53099143	53099770	-15139	3' UTR (NM_001007773, exon 7 of 7)	NM_130911	chico	7.866236087	4.920454671	2.945781416	7.15E-10
peak_7204	chr18	14394294	14395094	28238	intron (NM_001044926, intron 3 of 13)	NM_001044926	mtss1l	9.005614347	6.059849247	2.9457651	2.57E-10
peak_10632	chr21	11354314	11354748	1923	intron (NM_001098488, intron 1 of 55)	NM_001098488	spna2	7.318055322	4.373735847	2.944319475	3.24E-08
peak_4104	chr7	40398086	40399332	108636	Intergenic	NM_001243038	creb3l1	9.897024157	6.953014464	2.944009693	1.43E-13
peak_19166	chr10	1974732	1975078	15178	Intergenic	NM_131092	oep	6.584039438	3.640262599	2.943776839	2.59E-05
peak_6332	chr20	54521374	54521873	-10814	Intergenic	NM_200170	actr10	8.372526537	5.428782592	2.943743945	4.81E-11
peak_18851	chr16	39469743	39470845	-37913	Intergenic	NM_200078	cited4b	8.884808512	5.9413915	2.943417011	2.18E-05
peak_19261	chr7	14975305	14976165	106444	intron (NM_001045106, intron 3 of 15)	NM_001045106	furina	8.583678932	5.641000901	2.942678031	2.72E-05
peak_30456	chr25	5736908	5738596	-104701	Intergenic	NM_001197316	plxnb2b	8.266885608	5.324408231	2.942477376	0.002287
peak_21699	chr2	42035582	42035958	7691	TTS (NM_001017836)	NM_001017836	zgc:110183	6.608181405	3.665906565	2.94227484	9.39E-05
peak_29474	chr15	3004890	3005385	-16741	intron (NM_001045369, intron 1 of 5)	NM_001110347	lrig3	6.57480318	3.632924438	2.941878742	0.001742
peak_8798	chr16	6049978	6050950	-13428	intron (NM_001080653, intron 8 of 10)	NM_001077257_1	foxo1a	9.002057195	6.060452234	2.941604961	3.17E-09
peak_19357	chr19	35542264	35542673	-8538	Intergenic	NR_029929		4.406017464	1.464476453	2.94154101	2.85E-05

peak_15782	chr3	39332719	39333103	-32838	Intergenic	NM_001099423	plcd3a	6.104888788	3.163498961	2.941389827	3.24E-06
peak_11001	chr17	44834485	44835742	-165083	Intergenic	NM_001159836	LOC100000800	9.33207482	6.391459677	2.940615143	4.93E-08
peak_23003	chr1	40254595	40254901	3555	exon (NM_200369, exon 2 of 8)	NM_200369	tmem134	6.227283088	3.286990545	2.940292543	0.00017
peak_12803	chr1	2511868	2512321	42352	intron (NM_001109719, intron 1 of 3)	NM_001109719	zgc:171629	7.443744931	4.503699535	2.940045396	2.90E-07
peak_23732	chr4	47760053	47760483	22722	Intergenic	NM_001115109	zgc:175008	3.159552967	0.219835396	2.939717571	0.000229
peak_23074	chr21	8779448	8779941	45074	intron (NM_001089543, intron 2 of 45)	NM_001089543	ptpn13	6.83026338	3.890588961	2.939674418	0.000174
peak_16770	chr17	38015239	38016047	-52269	Intergenic	NM_001077153	zfp36l1a	7.239444403	4.299946076	2.939498327	6.21E-06
peak_17271	chr18	17642222	17642915	-17487	intron (NM_001080030, intron 7 of 7)	NM_001080164	si:ch211-212o1.2	7.577933577	4.63867629	2.939257288	8.40E-06
peak_4327	chr18	48150095	48150639	50516	Intergenic	NM_001007334	yif1b	8.617124962	5.678151536	2.938973426	2.92E-13
peak_3788	chr6	15979316	15980125	30732	Intergenic	NM_152964	gbx2	9.905174781	6.966496374	2.938678406	4.81E-14
peak_21968	chr12	33333332	33334055	30077	Intergenic	NM_212770	cpn1	7.759525628	4.821106643	2.938418985	0.000107
peak_12754	chr11	36683059	36683469	-79218	Intergenic	NM_212679	bhlhe40	7.636911763	4.698502579	2.938409184	2.79E-07
peak_26368	chr14	48007808	48008391	137196	Intergenic	NM_001080662	shisa3	6.764696718	3.82643788	2.938258838	0.000626
peak_8743	chr7	49640173	49640648	67794	Intergenic	NM_131427	cpeb1b	6.893381602	3.955130607	2.938250995	2.91E-09
peak_18961	chr11	21170370	21170694	-177451	intron (NM_131086, intron 11 of 16)	NM_001002230	tuba7l	4.164465597	1.226539182	2.937926415	2.32E-05
peak_13806	chr2	611101	611817	-201181	Intergenic	NM_212920	wrnip1	7.685359721	4.74758284	2.937776881	7.10E-07
peak_5108	chr12	4602489	4603417	9896	exon (NM_153666, exon 8 of 8)	NM_153666	tbx24	8.422194642	5.485312393	2.936882249	2.99E-12
peak_18569	chr15	36967069	36967819	47837	intron (NM_001044799, intron 7 of 12)	NM_001044799	stim1a	7.417167945	4.48031111	2.936856835	1.85E-05
peak_4941	chr7	9726877	9727363	-39021	intron (NM_001020496, intron 1 of 4)	NM_194409	vax2	7.781234518	4.844545281	2.936689237	1.88E-12
peak_14261	chr6	11536486	11536903	102685	intron (NM_001099261, intron 1 of 2)	NM_001099261		6.446527893	3.51001863	2.936509263	1.03E-06
peak_6882	chr9	48469915	48470420	411751	Intergenic	NM_001003480	zgc:92380	7.656049388	4.719620615	2.936428773	1.37E-10
peak_24706	chr16	52932001	52932338	118462	Intergenic	NM_001201489	efhb	6.12237028	3.185967894	2.936402386	0.000346
peak_15792	chr9	32428786	32429875	113792	Intergenic	NM_131558	zic2a	8.63447637	5.698107425	2.936368945	3.26E-06
peak_21690	chr15	24621670	24622430	-22338	intron (NM_201345, intron 2 of 10)	NM_001003611	mettl16	8.034255766	5.097904944	2.936350822	9.36E-05
peak_10108	chr25	24147213	24148044	101791	Intergenic	NM_001020596	phlda2	10.01886841	7.082905091	2.935963323	1.75E-08
peak_4068	chr5	31583792	31584539	-44472	Intergenic	NR_030053		7.959746632	5.024306109	2.935440523	1.29E-13
peak_18486	chr24	9582375	9582701	85015	Intergenic	NM_001199738	topbp1	5.813125692	2.877767286	2.935358406	1.77E-05
peak_19334	chr23	4075695	4076211	2977	intron (NM_001045332, intron 1 of 8)	NM_001045332	b4galt5	6.601164962	3.665997364	2.935167598	2.83E-05
peak_23304	chr4	6745566	6745903	-2287	Intergenic	NM_213286	lta4h	6.122073068	3.187356789	2.934716279	0.000191
peak_13962	chr12	26304403	26304908	33836	exon (NM_001017555, exon 6 of 6)	NM_001017555	foxn2b	6.836070522	3.901608566	2.934461955	8.15E-07
peak_17067	chr4	11643010	11643235	-37471	Intergenic	NM_001020739	lmo3	5.349884986	2.416624254	2.933260732	7.32E-06
peak_7370	chr7	10157918	10158832	51519	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	9.051022252	6.117792043	2.933230209	3.44E-10
peak_11623	chr16	15063383	15063756	-112386	Intergenic	NM_001007444	zgc:101640	6.195766376	3.262617884	2.933148492	9.23E-08
peak_19721	chr13	6119118	6119549	75855	exon (NM_001017855, exon 2 of 2)	NM_001017855	csmd1a	6.209235538	3.276243841	2.932991697	3.51E-05
peak_18429	chr3	21394542	21394955	-8095	Intergenic	NM_001037562	zgc:123295	6.889841838	3.957408089	2.932433748	1.72E-05
peak_21229	chr17	37726658	37727096	-84726	Intergenic	NM_213497	crip2	7.193523843	4.261169357	2.932354486	7.50E-05
peak_31995	chr8	37657838	37658310	-14095	Intergenic	NM_200094	sf3a1	6.234343	3.302015329	2.932327671	0.003425
peak_8053	chr16	23139305	23139669	-17042	Intergenic	NM_001110396	snx10b	7.07708553	4.145441925	2.931643605	1.05E-09
peak_21640	chr24	1050036	1050436	13757	Intergenic	NM_001020636	zgc:111976	7.141869096	4.210408595	2.931460501	9.18E-05
peak_18344	chr8	21518415	21518787	-65840	Intergenic	NM_001007438	haus5	6.810385827	3.879446807	2.93093902	1.65E-05
peak_21298	chr5	16542042	16542862	-254308	Intergenic	NM_001128246	sc:d411	8.010534983	5.079600021	2.930934962	7.73E-05
peak_23630	chr23	26733946	26734247	29306	Intergenic	NM_001195247	si:dkey-205h13.1	5.630360448	2.699993574	2.930366874	0.000217
peak_12542	chr17	29492889	29493235	114365	Intergenic	NM_001045177	ptpreb	6.227886996	3.297803145	2.930083851	2.27E-07
peak_17697	chr14	50888824	50889218	-90031	Intergenic	NM_001002065_1	ppid	6.028630606	3.09858737	2.930043236	1.12E-05
peak_16684	chr8	33393746	33394925	30133	intron (NM_001020514, intron 1 of 7)	NM_001020514	ncs1b	7.443871211	4.514581914	2.929289297	5.90E-06
peak_8930	chr24	19093274	19093685	-66701	intron (NM_200844, intron 22 of 28)	NM_001200062	LOC100150965	7.597530391	4.66876516	2.928765231	3.81E-09
peak_19517	chr14	39018413	39018724	811669	Intergenic	NM_001048055	lect2l	6.343926892	3.415455606	2.928471286	3.13E-05
peak_6286	chr15	37245657	37246655	-258762	Intergenic	NM_131481	robo1	8.256553635	5.32811068	2.928442954	4.45E-11
peak_19681	chr6	1383841	1384177	-15307	exon (NM_183072, exon 9 of 16)	NM_200851	ntan1	5.97252096	3.044695993	2.927824967	3.43E-05
peak_20625	chr22	23130232	23130662	-43570	Intergenic	NM_131463	nr5a2	6.488613213	3.561293191	2.927320022	5.66E-05
peak_16990	chr16	57150230	57150881	16002	intron (NM_001080624, intron 12 of 19)	NM_001080624	sacm1lb	5.036729825	2.109505427	2.927224398	7.00E-06
peak_11744	chr11	34600480	34601282	-53682	Intergenic	NM_001079969	spoplb	8.307174461	5.380858109	2.926316351	1.02E-07
peak_3593	chr20	4329151	4330804	72983	Intergenic	NM_001076758	zgc:154018	10.46610483	7.539789545	2.926315282	2.16E-14
peak_18779	chr1	17083908	17084404	-5383	Intergenic	NM_131393	mtnr1aa	7.222588702	4.296344716	2.926243986	2.09E-05
peak_5237	chr20	52435756	52436457	102828	Intergenic	NM_212701	hlx1	7.4415891	4.515472715	2.926116385	4.13E-12
peak_19025	chr3	58315781	58316321	28160	intron (NM_214682, intron 2 of 13)	NM_214682	cyth1a	6.472814619	3.546771458	2.926043161	2.41E-05
peak_15909	chr6	16442074	16442432	-30976	Intergenic	NM_001129823	psmb3	5.44299439	2.517023215	2.925971175	3.53E-06
peak_19999	chr23	33562895	33563181	1623	intron (NM_001204373, intron 2 of 11)	NM_001204373	si:ch211-226m16	5.876398609	2.950553134	2.925845476	4.12E-05
peak_15840	chr8	41210371	41211550	-105546	Intergenic	NM_001083829_1	pcsk5b	7.349203089	4.423492576	2.925710512	3.37E-06
peak_17423	chr13	15942752	15943256	5443	intron (NM_130986, intron 1 of 8)	NM_130986	ikzf1	7.758922662	4.833361897	2.925560765	9.25E-06
peak_26798	chr9	523956	524284	-81960	Intergenic	NM_001080074_1	zgc:158316	5.94669036	3.021466689	2.925223671	0.000729
peak_11689	chr7	57716609	57717085	-19011	Intergenic	NM_212585	ist1	6.963191849	4.038140585	2.925051264	9.73E-08
peak_12601	chr9	6320107	6320330	23526	intron (NM_173242, intron 1 of 15)	NM_173242	uxs1	5.462102159	2.537434667	2.924667491	2.39E-07
peak_30801	chr12	49412966	49413337	8853	intron (NM_198811, intron 1 of 18)	NM_198811	pald1a	6.063971374	3.139731335	2.92424004	0.002492
peak_20185	chr18	7978671	7979176	65587	intron (NM_001128535, intron 15 of 21)	NM_001128535	si:ch211-220f12.	6.781028784	3.857077285	2.923951499	4.55E-05
peak_5084	chr24	31964394	31965067	-146938	Intergenic	NR_048923		9.451824793	6.528010797	2.923813996	2.80E-12
peak_11109	chr2	46925706	46926225	-483226	Intergenic	NM_201020_1	gpc1b	8.22810698	5.304585977	2.923521003	5.53E-08
peak_17089	chr18	29169132	29169443	-182922	Intergenic	NM_131844	maf	4.165691145	1.242675602	2.923015543	7.44E-06
peak_24176	chr25	16548096	16548568	-23578	Intergenic	NM_001271913	mical2b	5.222874499	2.300427624	2.922446875	0.000278
peak_23260	chr19	3735544	3736108	-5582	Intergenic	NM_198817	stm	8.366195075	5.444571884	2.921623192	0.000187
peak_4827	chr10	25111039	25111902	-10410	Intergenic	NM_001025458	tpte	8.952925329	6.031476491	2.921448838	1.38E-12
peak_19310	chr8	12019961	12020206	31204	Intergenic	NM_001002366	tjp2b	5.518488091	2.597147431	2.92134066	2.79E-05
peak_8301	chr14	29388967	29389605	63535	Intergenic	NM_001017548	zgc:113355	8.10287691	5.18162168	2.92125523	1.59E-09
peak_17961	chr6	33718634	33718944	-17919	Intergenic	NM_001114441	ap1m3	6.278144245	3.35690353	2.921240715	1.34E-05
peak_13430	chr7	45741409	45742070	40521	Intergenic	NM_200499	nae1	7.827959928	4.906865772	2.921094157	5.24E-07
peak_27560	chr7	50630579	50631189	303396	Intergenic	NM_131433	igf2a	8.313915956	5.393063475	2.920852481	0.000946
peak_11082	chr18	13238882	13239427	513522	Intergenic	NM_001044968	plcg2	8.147859325	5.227122824	2.920736501	5.39E-08
peak_16966	chr1	8846377	8846798	88018	intron (NM_200912, intron 17 of 17)	NM_200912	mad1l1	5.33954223	2.418823505	2.920718725	6.91E-06
peak_8470	chr1	10196636	10197469	-94242	Intergenic	NM_001128774	knstrn	8.090816931	5.17011427	2.920702661	2.02E-09
peak_19264	chr20	4018051	4018424	19351	Intergenic	NM_001110475	exoc8	6.177621434	3.257099766	2.920521668	2.73E-05
peak_5367	chr3	6660610	6661632	-97127	Intergenic	NM_001089460	pkn1b	10.25861049	7.338785149	2.919825345	5.43E-12
peak_24858	chr7	36244985	36245706	-4164	Intergenic	NM_199272	esrp2	7.629916529	4.710244011	2.919672519	0.000369
peak_5065	chr20	18863714	18864412	2880	intron (NM_001002315, intron 1 of 9)	NM_001002315	ccm2	8.874528835	5.954884857	2.919643978	2.66E-12
peak_20412	chr15	26447398	26447800	170767	intron (NM_200622, intron 22 of 24)	NM_200622	bcas3	6.054390201	3.136029571	2.918360629	5.11E-05
peak_24993	chr6	30493938	30494266	97933	Intergenic	NM_001037669	insl5a	6.2753251	3.357211482	2.918113618	0.000387
peak_26384	chr25	32411502	32411876	11015	exon (NM_001003744, exon 3 of 7)	NM_001003744	kras	6.626137696	3.708411556	2.91772614	0.000628
peak_6840	chr10	12100346	12100814	34647	intron (NM_001004502, intron 1 of 2)	NM_001004502	lpar1	7.884636027	4.967421071	2.917214956	1.27E-10
peak_29554	chr3	36407664	36407961	42069	Intergenic	NM_001076577	rgs9a	5.870751862	2.953659189	2.917092673	0.00179
peak_13014	chr7	32026969	32027269	-34862	Intergenic	NM_001077597	mtmr10	6.11158148	3.194939132	2.916642348	3.58E-07
peak_6088	chr8	56154581	56157889	278	exon (NM_205697, exon 1 of 6)	NM_205697	plxnd1	11.02972411	8.113203963	2.916520147	2.94E-11
peak_15466	chr1	46844591	46845087	-57741	Intergenic	NM_001004513	tubgcp3	7.209978226	4.29386851	2.916109715	2.54E-06
peak_15902	chr7	21096806	21097310	1011	intron (NM_001171587, intron 1 of 4)	NM_001171587	prox1b	7.340531696	4.424562334	2.915969362	3.50E-06
peak_3723	chr8	15910726	15911327	-88547	Intergenic	NM_001017814	spata6	9.210650647	6.294744157	2.915906491	3.64E-14
peak_5293	chr5	29396025	29397031	115678	Intergenic	NM_001013472	zgc:110340	9.435871685	6.520246778	2.915624907	4.71E-12
peak_19403	chr17	9235760	9236364	-414277	Intergenic	NM_001077768	zranb1b	7.495581349	4.579966757	2.915614592	2.93E-05
peak_17395	chr1	13142077	13142779	-23607	Intergenic	NM_001002542	camk2d2	6.892054049	3.97675243	2.915301619	9.10E-06
peak_22207	chr11	35559877	35560267	66920	Intergenic	NM_001079988	fam212aa	7.444509808	4.529822185	2.914687624	0.000119
peak_26684	chr4	28888820	28889521	584024	Intergenic	NM_001113341	si:dkey-13e3.1	5.744515468	2.829992927	2.914522541	0.000697
peak_20226	chr20	28253458	28254162	-21092	Intergenic	NM_001079835	dll4	8.011226825	5.097026582	2.914200242	4.65E-05
peak_16550	chr10	6147322	6147691	-43865	Intergenic	NM_213293	ppp2cb	5.854102284	2.940036382	2.914065902	5.42E-06
peak_12401	chr25	28001852	28003146	212602	intron (NM_001287539, intron 6 of 9)	NM_001287539	LOC569768	8.516264556	5.602550569	2.913713986	2.00E-07
peak_22448	chr5	30393544	30393797	-14670	Intergenic	NM_001089515	zgc:162228	5.441983226	2.528328413	2.913654814	0.000133
peak_17066	chr4	461419	461707	5685	exon (NM_001004113, exon 4 of 16)	NM_001004113	agbl5	5.738738824	2.825207531	2.913531292	7.31E-06
peak_22802	chr20	26811210	26811783	40661	intron (NM_001102475, intron 6 of 10)	NM_200489	gmds	6.130902821	3.217489841	2.913412979	0.000154
peak_19722	chr13	36302404	36302760	7028	Intergenic	NM_212937	mycla	6.386672636	3.473302696	2.91336994	3.51E-05

peak_20199	chr5	72997956	72998334	17413	Intergenic	NM_001205027	dnajc25	6.386687965	3.473476047	2.913211918	4.59E-05
peak_7524	chr11	17434041	17435628	475454	Intergenic	NM_001110030	kbtbd8	9.300372549	6.387949707	2.912422842	4.55E-10
peak_10444	chr9	40731227	40731746	-298074	Intergenic	NM_001161762_1	si:zfos-1425h8.1	7.20700518	4.294946942	2.912058238	2.55E-08
peak_25582	chr10	43399070	43399409	5055	exon (NM_001045139, exon 4 of 9)	NM_001045139	car15	5.343369665	2.431948405	2.911421259	0.000478
peak_19891	chr12	2101749	2102127	55425	Intergenic	NM_131643	sox9a	4.518008373	1.606593419	2.911414955	3.85E-05
peak_15992	chr9	45378314	45378810	-17835	Intergenic	NM_130978	neurod	6.83008143	3.919332209	2.910749221	3.74E-06
peak_14285	chr8	44313118	44313456	-34313	Intergenic	NM_001017996	gfra2a	6.29675402	3.386015392	2.910738629	1.05E-06
peak_21727	chr13	43070023	43070568	10431	intron (NM_001167662, intron 2 of 9)	NM_001167662	cpeb3	5.995527182	3.084929856	2.910597327	9.52E-05
peak_5403	chr24	26646266	26646975	-61177	Intergenic	NM_200440	klhl24b	8.886673149	5.976215443	2.910457706	6.00E-12
peak_16022	chr17	1822730	1823001	-275185	Intergenic	NM_001163923	ccbe1	5.177317667	2.266989768	2.910327899	3.84E-06
peak_30598	chr24	11269523	11270069	8403	exon (NM_213449, exon 2 of 15)	NM_213449	prpf4bb	5.989616751	3.079358412	2.91025834	0.002364
peak_24547	chr2	6842522	6842950	5644	exon (NM_001291346, exon 5 of 7)	NM_001017779	zgc:110366	6.55527105	3.645237488	2.910033562	0.000323
peak_8106	chr1	262223	263044	-33828	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	8.616228802	5.707122835	2.909105967	1.15E-09
peak_5451	chr6	54070267	54072472	10195	TTS (NM_001077299)	NM_001077299	tusc2a	9.29015029	6.381189425	2.908960865	6.81E-12
peak_24981	chr18	35096223	35096634	-13193	Intergenic	NM_001007312	fosb	6.222008345	3.313201889	2.908806457	0.000385
peak_20450	chr12	4938499	4939228	-9415	Intergenic	NM_001002596	zgc:92313	7.885735708	4.977079518	2.908656191	5.18E-05
peak_21599	chr5	55207908	55208410	22540	intron (NM_001281844, intron 15 of 15)	NM_001281844	pik3r1	6.48761924	3.579086244	2.908532996	8.98E-05
peak_8859	chr2	12391530	12391954	33419	intron (NM_001115122, intron 3 of 30)	NM_001115122	dpp6	7.490210909	4.581848607	2.908362302	3.44E-09
peak_14265	chr16	36505856	36506342	-23179	Intergenic	NM_205683	tcea3	6.638794795	3.730720122	2.908074673	1.03E-06
peak_4960	chr5	30568856	30569904	-42340	Intergenic	NM_001089376	stxbp1b	9.577529101	6.670651925	2.906877176	1.99E-12
peak_13556	chr9	26483549	26483876	-6276	Intergenic	NM_001110278	acvr2aa	6.139678861	3.233062196	2.906616665	5.79E-07
peak_5510	chr18	47537421	47538060	-281	promoter-TSS (NM_001171776)	NM_001171776	bmp16	8.637356756	5.731309491	2.906047264	7.85E-12
peak_20808	chr15	31714092	31714374	53706	Intergenic	NM_001030182	etv1	5.611121277	2.705108687	2.90601259	6.13E-05
peak_12250	chr24	5997670	5998569	18342	Intergenic	NM_001020647	acbd5a	7.625456824	4.720622491	2.904834333	1.71E-07
peak_24320	chr23	1692618	1692943	8065	intron (NM_213471, intron 4 of 18)	NM_213471	stxbp3	6.051741216	3.147607693	2.904133522	0.000295
peak_20855	chr13	22203243	22203665	-201828	Intergenic	NM_205678	myoz1a	6.209532659	3.305678553	2.903854106	6.26E-05
peak_25720	chr11	23832539	23832914	18237	intron (NM_212732, intron 10 of 10)	NM_212732	mdm4	3.612866973	0.709096771	2.903770202	0.000499
peak_21405	chr14	28986776	28987149	64859	Intergenic	NM_200569	tsc22d3	6.998787108	4.095042176	2.903744933	8.16E-05
peak_12065	chr19	4893770	4894182	20012	intron (NM_001099978, intron 3 of 6)	NM_001099978	fhl3b	7.187778431	4.284055794	2.903722638	1.42E-07
peak_15357	chr8	4589232	4589737	20681	intron (NM_001007378, intron 3 of 5)	NM_001007378	pptc7a	6.562732738	3.659354685	2.903378053	2.34E-06
peak_5572	chr6	38811020	38811879	396	intron (NM_199796, intron 2 of 12)	NM_199796	bin2b	7.85933009	4.95615915	2.90317094	9.21E-12
peak_3414	chr13	51747244	51749160	78955	Intergenic	NM_001014817	dntt	10.45264358	7.549833498	2.902810082	1.09E-14
peak_4294	chr2	34133973	34134566	-278267	Intergenic	NM_001003878	cenpl	8.59842831	5.695621017	2.902807294	2.64E-13
peak_15636	chr13	43722865	43723371	89066	exon (NM_214809, exon 20 of 69)	NM_001077581	zgc:153073	6.749223739	3.84697975	2.902243989	2.88E-06
peak_33590	chr21	12888600	12889051	5391	intron (NM_001172564, intron 1 of 26)	NM_001172564	ehmt1b	6.396914602	3.494858748	2.902055854	0.005011
peak_4044	chr7	56048625	56049403	20914	intron (NM_001077575, intron 11 of 12)	NM_001077575	trip4	9.416051351	6.514055116	2.901996235	1.18E-13
peak_8230	chr8	54286952	54287553	-75476	exon (NM_001118893, exon 62 of 73)	NM_001245969	cabin1	9.522323589	6.620714617	2.901608972	1.41E-09
peak_4509	chr12	48888486	48888827	20657	Intergenic	NM_130934_1	hhex	8.023048228	5.121632261	2.901415967	5.51E-13
peak_27075	chr25	29450064	29450767	-5882	Intergenic	NM_001098391	tmem17	5.510282977	2.609160782	2.901122195	0.000795
peak_16751	chr7	56678781	56679119	122589	Intergenic	NM_001003560	ctu2	6.224068599	3.323044188	2.901024411	6.13E-06
peak_28177	chr12	45366574	45367104	-176385	Intergenic	NM_001110011	dock1	7.127900947	4.227113239	2.900787708	0.001168
peak_8618	chr6	45375726	45376051	-54567	Intergenic	NM_001080051	cntn4	6.178835862	3.278085675	2.900750187	2.42E-09
peak_23948	chr10	33918082	33918775	-73020	Intergenic	NM_001045333	kctd7	6.346345056	3.445819769	2.900525287	0.000251
peak_5999	chr8	19866778	19867419	-42	promoter-TSS (NM_205637)	NM_205637	rgl1	8.064382103	5.163930427	2.900451676	2.33E-11
peak_8639	chr9	18266030	18266565	33341	intron (NM_001128338, intron 12 of 44)	NM_001128338	vwa8	8.469837547	5.569729387	2.90010816	2.47E-09
peak_7528	chr2	43342626	43343307	36827	intron (NM_205735, intron 2 of 21)	NM_205735	pard3	8.877523675	5.978338508	2.899185167	4.61E-10
peak_9310	chr19	49130859	49131679	51202	intron (NM_173223, intron 1 of 4)	NM_173223	sdc2	9.023204935	6.124038306	2.899166629	6.49E-09
peak_26497	chr16	34893673	34894128	3357	exon (NM_001007315, exon 2 of 8)	NM_001007315	fbxl4	6.259848461	3.360699626	2.899148835	0.000652
peak_9097	chr9	11824851	11825673	1367	exon (NM_001080657, exon 2 of 2)	NM_001080657	fev	8.251207041	5.352292082	2.898914959	4.79E-09
peak_6611	chr13	3377188	3377611	-209118	Intergenic	NM_001017635	park2	6.65177919	3.75449928	2.89727991	8.25E-11
peak_16945	chr22	17871603	17872054	40856	Intergenic	NM_001003564	polr2eb	8.048745595	5.151468143	2.897277451	6.84E-06
peak_8040	chr2	45352464	45353216	-100102	Intergenic	NR_029925		8.507563547	5.610409043	2.897154504	1.03E-09
peak_16879	chr16	47532029	47532556	18886	Intergenic	NM_001007425	zgc:101716	6.454852023	3.557805	2.897047023	6.60E-06
peak_21852	chr23	15384740	15385019	56333	intron (NM_001003833, intron 3 of 20)	NM_001003833	sulf2b	5.912702642	3.015691253	2.89701139	0.000102
peak_13825	chr7	42847506	42847900	-592986	Intergenic	NM_199843	shcbp1	6.703025532	3.806260111	2.896765421	7.23E-07
peak_17663	chr18	33901867	33902191	149778	intron (NM_001102571, intron 71 of 104)	NM_001077275	zgc:153119	5.022516348	2.125910487	2.896605861	1.10E-05
peak_13692	chr16	22125874	22126222	-47	promoter-TSS (NM_131028)	NM_131028	ahr1a	5.780628893	2.884051211	2.896577683	6.53E-07
peak_10562	chr6	15701507	15702037	39297	intron (NM_001098731, intron 9 of 17)	NM_001098731	iqca1	8.113581265	5.217028067	2.896553198	2.92E-08
peak_11189	chr21	37767690	37768025	-10323	Intergenic	NM_194372	hnf1bb	5.918893628	3.022853392	2.896040236	5.97E-08
peak_21601	chr11	43224440	43224907	-121087	Intergenic	NM_001105592	her15.2	5.829865633	2.934690609	2.895175024	8.99E-05
peak_15694	chr6	502161	502482	-38744	Intergenic	NM_200514	lgals2b	6.476769716	3.581857355	2.89491236	3.04E-06
peak_23896	chr10	6173595	6174031	-17558	Intergenic	NM_213293	ppp2cb	6.352846984	3.458005586	2.894841398	0.000246
peak_18600	chr2	24149711	24150134	12565	intron (NM_001098747, intron 9 of 17)	NM_001098747	oxsr1a	6.79995458	3.905137027	2.894817553	1.88E-05
peak_19915	chr3	16440816	16441267	-20925	Intergenic	NM_001077729	zgc:153952	7.105189561	4.210601118	2.894588443	3.91E-05
peak_7374	chr10	8141352	8142354	34666	intron (NM_001009560, intron 1 of 55)	NM_001009560	tln1	9.791363651	6.896789696	2.894573955	3.47E-10
peak_5283	chr17	51292803	51293433	-36437	intron (NM_001256215, intron 4 of 15)	NM_001002063	stxbp6	8.564899397	5.670351157	2.89454824	4.62E-12
peak_4943	chr23	40392356	40393166	-38732	exon (NM_001082482, exon 7 of 14)	NM_001005936	gpsm2l	9.617241842	6.723161978	2.894079865	1.89E-12
peak_2751	chr20	38449170	38450106	-33155	Intergenic	NM_001002728	adck3	10.25184775	7.358010539	2.893837212	5.80E-16
peak_11873	chr1	13664247	13664617	182263	Intergenic	NR_048926		6.803895434	3.910186782	2.893708652	1.19E-07
peak_21414	chr24	4695917	4696338	149277	Intergenic	NM_001110021	cpb1	7.500831733	4.607406707	2.893425026	8.19E-05
peak_5310	chr17	7253078	7253826	-206836	Intergenic	NM_201151	fbxo30a	8.77406194	5.880677404	2.893384536	4.90E-12
peak_15367	chr25	6535217	6535559	41335	Intergenic	NM_214697	psma4	5.876398609	2.983071789	2.89332682	2.36E-06
peak_22226	chr23	24386917	24387398	26191	Intergenic	NR_105070		3.602044119	0.709096771	2.892947348	0.00012
peak_29672	chr17	49929511	49929874	22414	intron (NM_001278851, intron 1 of 7)	NM_001278851	shroom3	6.076424567	3.183973013	2.892451554	0.001847
peak_21672	chr2	35248321	35248709	39334	intron (NM_131036, intron 7 of 14)	NM_131036	tnw	5.803710127	2.911475208	2.89223492	9.28E-05
peak_28569	chr10	12012217	12017014	120612	Intergenic	NM_001004502	lpar1	5.608419895	2.716259194	2.892160701	0.001319
peak_25879	chr19	12425616	12425903	44357	intron (NM_001002873, intron 8 of 12)	NM_001002873	ctdp1	3.111880861	0.219835396	2.892045465	0.000528
peak_30187	chr6	50439197	50439575	36281	Intergenic	NM_001126109	mych	5.845671427	2.953659189	2.892012238	0.002139
peak_10331	chr22	9049156	9049545	-362706	Intergenic	NM_001089420_1	si:ch211-11p18.4	6.401098215	3.509130731	2.891967484	2.26E-08
peak_12830	chr20	23321551	23322016	19028	intron (NM_001159667, intron 2 of 59)	NM_001159667	fryl	7.503385658	4.611574771	2.891810888	2.98E-07
peak_8585	chr23	35215793	35216118	-10979	Intergenic	NM_001113644	zgc:172101	6.763911321	3.872516663	2.891394658	2.32E-09
peak_4791	chr14	37903981	37904499	-2329	TTS (NM_201455)	NM_131804	nots	8.486465723	5.595326199	2.891139523	1.22E-12
peak_16080	chr3	57008479	57008829	18947	Intergenic	NM_001163443	LOC797202	7.013846275	4.122749208	2.891097067	3.95E-06
peak_25177	chr14	35631142	35631753	10593	Intergenic	NM_001020801	wnt8-2	6.68407117	3.793042399	2.891028771	0.000413
peak_8139	chr17	34362142	34362710	8664	intron (NM_194363, intron 1 of 14)	NM_194363	mpp5a	7.460237897	4.569361413	2.890876484	1.21E-09
peak_18764	chr14	42146460	42147063	-27164	Intergenic	NM_173260	taf7	7.464476565	4.574309252	2.890167313	2.07E-05
peak_19631	chr1	763184	763788	-5548	Intergenic	NM_207058	setdb2	6.452830915	3.563119818	2.889711097	3.35E-05
peak_23083	chr21	42227188	42227552	-20099	Intergenic	NM_001042696	pdlim4	6.801532213	3.911982975	2.889549238	0.000175
peak_19079	chr5	34781683	34783069	50783	Intergenic	NM_001110226	LOC100001344	3.887604564	0.998175638	2.889428927	2.48E-05
peak_8802	chr9	12636955	12637578	63760	Intergenic	NM_001089454	zgc:162707	7.631926021	4.743214594	2.888711428	3.18E-09
peak_17285	chr14	29068639	29069288	-17142	intron (NM_200688, intron 1 of 1)	NM_200569	tsc22d3	7.329469994	4.440982681	2.888487313	8.44E-06
peak_22811	chr10	32908031	32908825	2299	exon (NM_001008653, exon 2 of 4)	NM_001008653	lhfp	7.070384547	4.182043305	2.888341242	0.000155
peak_22506	chr24	35366568	35366767	-67633	Intergenic	NM_214789	asic1c	4.882396095	1.994825282	2.887570813	0.000135
peak_19132	chr21	6968248	6968638	-128168	Intergenic	NM_001003459	crhbp	6.125855995	3.238693964	2.887162031	2.55E-05
peak_16337	chr11	46502297	46502582	-34087	Intergenic	NM_001017575	aspscr1	4.683215657	1.797021998	2.886193659	4.71E-06
peak_13649	chr2	27756873	27757531	157	intron (NM_001004543, intron 1 of 12)	NM_001004543	lyn	7.19351508	4.307662142	2.885852939	6.30E-07
peak_4411	chr3	40531776	40533268	-7958	Intergenic	NM_181601	actb2	9.512333366	6.627006785	2.885326581	4.02E-13
peak_15360	chr22	5484487	5484965	-47385	Intergenic	NM_001111175	zgc:171566	6.656363648	3.771476025	2.884887623	2.35E-06
peak_18144	chr23	42532979	42533443	-54577	intron (NM_001127473, intron 2 of 3)	NM_001190760	slc1a7b	6.938067996	4.05342831	2.884639687	1.48E-05
peak_19528	chr11	26188848	26189121	1620	exon (NM_131066, exon 2 of 4)	NM_131066	snai1a	5.367597506	2.483062465	2.884535041	3.15E-05
peak_24754	chr7	18819564	18820062	2397	intron (NM_001040358, intron 1 of 31)	NM_001040358	map4k2l	3.104231123	0.219835396	2.884395727	0.000353
peak_3501	chr10	37107012	37107942	128102	Intergenic	NM_001007431	katnal1	8.694219666	5.810585035	2.883634632	1.51E-14
peak_22075	chr2	56574256	56574538	-12584	Intergenic	NM_001037113	uba52	6.004438997	3.121005563	2.883433434	0.000112
peak_3431	chr2	54955862	54956546	23382	TTS (NM_001002469_1)	NM_001002469_1	napg	9.736289102	6.852869115	2.883419987	1.15E-14
peak_19401	chr5	23664117	23664412	7303	exon (NM_001099997, exon 8 of 25)	NM_001099997	LOC559803	5.682359636	2.799272142	2.883087494	2.93E-05

peak_19407	chr17	22669245	22669686	12387	intron (NM_173285, intron 9 of 19)	NR_030140		6.584484333	3.70171764	2.882766692	2.94E-05
peak_4380	chr10	41612712	41613458	-37023	Intergenic	NM_001080188	git2b	10.23261034	7.349944447	2.882665897	3.62E-13
peak_18379	chr20	39425522	39425828	6658	intron (NM_001089392_1, intron 1 of 5)	NM_001045062	si:dkey-217m5.9	4.456075431	1.573536806	2.882538624	1.68E-05
peak_27813	chr15	5370565	5370983	-30976	Intergenic	NM_001159822	arrb1	7.042068468	4.159531508	2.88253696	0.001035
peak_6257	chr19	49736187	49736986	6291	intron (NM_001001889, intron 1 of 15)	NM_001001889	ctnnb2	8.526983596	5.644774497	2.882209099	4.24E-11
peak_23161	chr17	8288821	8289267	118977	Intergenic	NM_001080601	fzd3b	6.738944673	3.85690535	2.882039323	0.000181
peak_9883	chr20	2126438	2126905	-19817	Intergenic	NM_001245964	l3mbtl3	7.12777126	4.245796615	2.881974645	1.37E-08
peak_21267	chr17	11136250	11136697	56898	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	6.994128016	4.112445539	2.881682477	7.60E-05
peak_13752	chr5	6993970	6994361	28623	Intergenic	NM_001003503	elac1	6.318468606	3.436903915	2.881564691	6.82E-07
peak_13395	chr2	52911485	52911880	102890	Intergenic	NM_001045238	zgc:136336	6.583567659	3.702036618	2.881531041	5.09E-07
peak_3168	chr22	39705020	39705909	33512	Intergenic	NM_001005981	kng1	9.302332078	6.421469606	2.880862472	3.80E-15
peak_13059	chr6	995595	996232	-38932	Intergenic	NM_001245966	zeb2b	6.912509505	4.031818714	2.880690791	3.74E-07
peak_6849	chr22	21455996	21456687	15971	intron (NM_213337, intron 5 of 7)	NM_213337	tmem59l	8.078071659	5.197415139	2.880656521	1.29E-10
peak_16483	chr22	19227119	19227371	73731	Intergenic	NM_198142	bsg	5.832977038	2.952417378	2.880559661	5.21E-06
peak_21691	chr12	3079928	3080764	-129725	Intergenic	NM_001171589	gdf10b	3.589313976	0.709096771	2.880217205	9.36E-05
peak_21692	chr17	46552934	46553209	577402	Intergenic	NR_029933		3.589313976	0.709096771	2.880217205	9.36E-05
peak_20207	chr18	33157995	33158599	216551	Intergenic	NM_001045019	tiparp	7.157226429	4.277170637	2.880055792	4.61E-05
peak_17779	chr19	4757876	4758279	47531	intron (NM_001113635, intron 3 of 16)	NM_001113635	map7d1b	7.371077985	4.491371584	2.879706401	1.19E-05
peak_15234	chr17	38283007	38283565	85441	intron (NM_001076632, intron 2 of 10)	NM_001076632	slc25a21	6.917631793	4.037958098	2.879673695	2.16E-06
peak_10915	chr23	35236391	35236781	-31610	Intergenic	NM_001113644	zgc:172101	6.319586178	3.440063148	2.87952303	4.48E-08
peak_17190	chr14	37105238	37105685	7611	exon (NM_001005983, exon 12 of 12)	NM_001005983	tmem144b	6.969872088	4.090384044	2.879488044	7.95E-06
peak_17343	chr10	26840363	26840734	-3580	exon (NM_001017649, exon 9 of 9)	NM_001077716	zgc:153126	5.910145671	3.030660588	2.879485083	8.74E-06
peak_14266	chr22	15171753	15172354	190832	Intergenic	NM_001024811	gtpbp1l	7.38985294	4.510524777	2.879328162	1.03E-06
peak_21558	chr13	10604642	10605281	69152	Intergenic	NM_200480	dync2li1	8.145372134	5.266317295	2.87905484	8.80E-05
peak_21448	chr17	38666877	38667227	-73970	Intergenic	NM_131525	sptb	6.053066316	3.174103359	2.878962957	8.32E-05
peak_22306	chr1	32683808	32684187	335033	Intergenic	NM_001145576	gyg2	6.161397164	3.28264339	2.878753774	0.000125
peak_15557	chr18	49019249	49019485	-13159	Intergenic	NM_001043325	loxl1	5.315418998	2.437316204	2.878102793	2.72E-06
peak_19382	chr21	43801975	43802606	-108745	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	3.883141315	1.00546592	2.877675395	2.90E-05
peak_19830	chr16	6472103	6472581	-22519	Intergenic	NM_001020563	echdc1	7.620214312	4.742599318	2.877614995	3.73E-05
peak_19521	chr19	22871249	22871522	38980	Intergenic	NM_001089564		5.787833233	2.910765408	2.877067826	3.14E-05
peak_6320	chr20	8556199	8556987	40456	intron (NM_001040685, intron 1 of 25)	NM_001040685	dab1a	8.612007502	5.735014743	2.876992759	4.68E-11
peak_20191	chr20	48671373	48671660	49778	Intergenic	NM_001105276	hadhaa	5.966907889	3.090082284	2.876825605	4.57E-05
peak_19200	chr15	41796488	41796822	-14550	TTS (NM_001045128)	NM_001082897	kcne4	6.100390989	3.224308818	2.876082171	2.64E-05
peak_18293	chr4	7600097	7600499	-9900	Intergenic	NM_130937	wnt5b	7.393780352	4.51778284	2.875997512	1.61E-05
peak_14398	chr2	854907	855440	15221	Intergenic	NM_131728	foxc1a	6.546097177	3.670840565	2.875256612	1.16E-06
peak_27023	chr5	33107625	33108097	-328	promoter-TSS (NM_198982)	NM_198982	p2rx1	6.727347404	3.852099899	2.875247505	0.000783
peak_22568	chr25	2735089	2735521	-72404	Intergenic	NM_001079965	adpgk	7.276735361	4.401547516	2.875187845	0.00014
peak_8287	chr12	14524850	14525245	74018	Intergenic	NM_001110472	rnasen	7.167842273	4.29299551	2.874846763	1.56E-09
peak_19673	chr3	38153561	38154097	334779	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	6.835889303	3.961466926	2.874422376	3.42E-05
peak_8552	chr5	22759325	22760208	54558	intron (NM_001271393, intron 13 of 19)	NM_001271393	camk2b1	8.852847052	5.978786329	2.874060724	2.23E-09
peak_25344	chr3	57564413	57564847	-51070	Intergenic	NM_001017729	zgc:112148	6.113188941	3.239609473	2.873579469	0.000439
peak_14309	chr10	10677249	10677599	-27352	Intergenic	NM_001017737	slc27a4	5.888739871	3.015342574	2.873397297	1.07E-06
peak_4111	chr7	6237583	6238724	-19174	intron (NM_001031840, intron 36 of 39)	NM_153674	vangl2	9.893082584	7.019709287	2.873373297	1.45E-13
peak_17046	chr2	45373434	45373731	-120844	Intergenic	NR_029925		5.297609065	2.424358735	2.873250331	7.22E-06
peak_28295	chr24	41620670	41621130	-38522	Intergenic	NM_001077598	aoc1	5.366500982	2.493469792	2.87303119	0.001205
peak_16926	chr12	30768402	30769074	-15702	Intergenic	NM_001079816	mxtx2	7.704284972	4.831293579	2.872991393	6.77E-06
peak_3018	chr2	59914814	59916299	27104	intron (NM_212882_1, intron 8 of 9)	NR_030000		10.26858815	7.395603465	2.872984689	2.19E-15
peak_11983	chr13	50238996	50240183	-91760	Intergenic	NM_001030104	tsnax	8.820799325	5.948157353	2.872641972	1.33E-07
peak_13705	chr10	4238709	4239202	95022	Intergenic	NR_029954		6.777826552	3.905244533	2.87258202	6.60E-07
peak_20679	chr12	11987458	11988262	-198961	Intergenic	NM_131406	raraa	7.44779511	4.575317867	2.872477243	5.82E-05
peak_4102	chr23	43183668	43184678	-89	promoter-TSS (NM_001006027)	NM_001006027	myl9a	9.997513702	7.125427725	2.872085977	1.43E-13
peak_15330	chr6	36204774	36205136	-33594	Intergenic	NM_001080682	lrrc15	5.821725652	2.949862306	2.871863346	2.32E-06
peak_8530	chr12	9431646	9432338	108050	Intergenic	NM_001002613	nrbf2b	7.835215542	4.964169258	2.871046284	2.18E-09
peak_13913	chr7	48369092	48369593	21483	intron (NM_001195407, intron 1 of 1)	NM_001195407	tshz3b	6.690709086	3.819727353	2.870981733	7.79E-07
peak_19983	chr25	18911624	18912137	10891	intron (NM_200118, intron 10 of 11)	NM_200118	poc1b	7.141548622	4.270765933	2.87078269	4.08E-05
peak_22748	chr22	29186164	29186454	-745163	Intergenic	NM_001003584	jagn1b	4.71709532	1.846475529	2.87061979	0.00015
peak_8282	chr10	22934793	22935290	-12439	Intergenic	NM_001030178	kdm6bb	7.566121456	4.695592445	2.870529011	1.55E-09
peak_20298	chr8	31117015	31117455	47243	intron (NM_001123258, intron 6 of 14)	NM_001123258	zgc:162939	7.150724587	4.280219384	2.870505203	4.82E-05
peak_4141	chr1	54718861	54720327	139366	Intergenic	NM_130954	dla	9.871324927	7.001004338	2.870320589	1.63E-13
peak_26699	chr3	6982502	6982846	12701	intron (NM_205613, intron 2 of 4)	NM_205613	hn1b	5.939501674	3.069361233	2.870140441	0.0007
peak_11825	chr14	52387408	52389005	146093	intron (NM_001077724, intron 12 of 12)	NM_001077724	zgc:154054	9.276086847	6.406193737	2.869893109	1.11E-07
peak_21090	chr23	15516455	15517158	-75594	Intergenic	NM_001003833	sulf2b	6.456340437	3.586479888	2.869860549	7.00E-05
peak_5709	chr23	39781481	39781993	24463	Intergenic	NM_212922	otud3	7.99601384	5.126573166	2.869440674	1.22E-11
peak_7355	chr23	30663401	30664239	-282596	Intergenic	NM_212631	dnajc11	8.962095301	6.092941166	2.869154134	3.35E-10
peak_12179	chr12	38932499	38932822	-95145	Intergenic	NM_001040355	pmp22b	6.122388691	3.253351589	2.869037102	1.59E-07
peak_25379	chr25	14070563	14070944	-23882	Intergenic	NM_001006061	ccdc113	3.088808875	0.219835396	2.868973479	0.000445
peak_25378	chr21	44258133	44258457	-9354	Intergenic	NM_205747	irf1b	3.088808875	0.219835396	2.868973479	0.000445
peak_8353	chr9	40932708	40933119	-96647	Intergenic	NM_001161762_1	si:zfos-1425h8.1	6.959663469	4.09098001	2.868683459	1.70E-09
peak_3022	chr24	466736	467738	17188	intron (NM_001115059, intron 1 of 8)	NM_001115059	tgfbr1b	10.43398631	7.565309164	2.868677143	2.24E-15
peak_4362	chr14	40157090	40157971	24160	Intergenic	NR_039203		8.712604494	5.844318987	2.868285507	3.31E-13
peak_12777	chr6	6948308	6948561	20761	intron (NM_001004602, intron 1 of 13)	NM_001004602	bin1b	5.868495741	3.000283343	2.868212398	2.84E-07
peak_12875	chr8	42335665	42335972	35126	Intergenic	NM_001075105_1	aplnra	6.097825209	3.229934549	2.867890661	3.10E-07
peak_35753	chr20	154739	155376	13287	intron (NM_001080028, intron 1 of 6)	NM_001080028	slc16a10	6.660524332	3.792798106	2.867726226	0.008133
peak_16831	chr10	4270411	4270900	63322	Intergenic	NR_029954		8.028883169	5.161283927	2.867599242	6.40E-06
peak_9011	chr3	29589852	29590436	-6448	Intergenic	NM_001017756	grap2a	8.862837201	5.995408814	2.867428387	4.25E-09
peak_22632	chr6	35017801	35018072	31422	Intergenic	NM_199559	mier1a	5.523754484	2.657198443	2.86655604	0.000143
peak_15427	chr3	53375222	53375840	52937	Intergenic	NM_001004117	pgls	6.790207393	3.924125723	2.86608167	2.47E-06
peak_12723	chr3	31771504	31771757	12830	Intergenic	NM_131140	fzd2	5.432311954	2.566818754	2.865493199	2.71E-07
peak_3660	chr18	43492403	43493927	-121081	Intergenic	NM_001004538	gyltl1b	9.735407911	6.870287575	2.865120336	2.90E-14
peak_10944	chr5	63711285	63711561	58435	intron (NM_001004557, intron 7 of 13)	NM_001004557	taf6	6.110945417	3.245884483	2.865060934	4.60E-08
peak_23622	chr1	23030682	23031019	-99528	Intergenic	NM_200059	rps3a	5.941333516	3.076511783	2.864821733	0.000217
peak_24817	chr16	20961660	20961977	-25085	Intergenic	NM_001098779	rapgef5b	5.576443623	2.711809328	2.864634296	0.000361
peak_18869	chr11	32374629	32375173	-8381	Intergenic	NM_001002595	egln1b	5.66813624	2.804735422	2.863400818	2.20E-05
peak_17231	chr2	56736133	56736683	62459	Intergenic	NM_001002555	rab11bb	7.466240045	4.602895269	2.863344776	8.19E-06
peak_11521	chr12	48958089	48959642	-49552	Intergenic	NM_130934_1	hhex	9.50589601	6.642663251	2.863232759	8.39E-08
peak_15847	chr4	6766951	6767225	-2152	Intergenic	NM_001030108	elk3	6.150897355	3.28792067	2.862976684	3.38E-06
peak_14463	chr19	30814794	30815189	-86358	Intergenic	NM_214707	zdhhc18b	6.82814779	3.965171699	2.862976091	1.23E-06
peak_11768	chr20	38433547	38433850	-49095	Intergenic	NM_001002728	adck3	6.074468411	3.211755286	2.862713125	1.05E-07
peak_9090	chr14	36241851	36242425	132578	Intergenic	NM_001007108	il12ba	8.577706778	5.715055543	2.862651235	4.75E-09
peak_17721	chr2	37290749	37291513	-32417	intron (NM_001142672, intron 3 of 20)	NM_214818	arhgef18a	8.392014339	5.52966947	2.862344869	1.14E-05
peak_8344	chr11	34345371	34345862	109215	Intergenic	NM_001024389	lims1	7.031490393	4.169479634	2.86201076	1.68E-09
peak_14858	chr18	28471843	28472147	220907	intron (NM_131515, intron 6 of 15)	NM_131515	spon1a	6.224345526	3.362968411	2.861377115	1.64E-06
peak_14096	chr4	28496806	28497149	191831	Intergenic	NM_001113341	si:dkey-13e3.1	6.276460038	3.415088097	2.861371941	9.13E-07
peak_14380	chr17	40383462	40383748	430272	Intergenic	NR_048925_2		5.998281321	3.136920032	2.861361289	1.14E-06
peak_9635	chr8	52964316	52964636	-28210	Intergenic	NM_001002647	egr3	6.54774315	3.687556685	2.860186464	9.96E-09
peak_26156	chr18	21970308	21970972	-37835	Intergenic	NM_001045108	fam65a	7.44361864	4.583754375	2.859864265	0.00058
peak_14700	chr16	19506999	19507467	-100156	Intergenic	NM_001109824	zyx	6.383794706	3.524123946	2.859670759	1.46E-06
peak_4303	chr15	42035850	42036819	48328	intron (NM_001007057, intron 4 of 11)	NM_001007057	wdfy1	9.029464945	6.169853634	2.859611311	2.73E-13
peak_10322	chr1	27662498	27663204	99828	intron (NM_001114584, intron 17 of 18)	NM_001114584	zgc:172295	8.354270282	5.495189426	2.859080856	2.24E-08
peak_11725	chr22	39530793	39531511	-7787	Intergenic	NM_201294	b3gnt7	7.795781977	4.936751711	2.859030266	1.01E-07
peak_24477	chr18	30523102	30523561	11063	Intergenic	NM_001002622	irf8	6.361177467	3.50240151	2.858775957	0.000313
peak_18792	chr19	46968450	46968995	9161	exon (NM_213240, exon 8 of 11)	NM_213240	dusp16	5.470585103	2.611959078	2.858626025	2.11E-05
peak_9492	chr18	27485708	27486117	-34462	intron (NM_001077249, intron 3 of 7)	NM_212663	cd82b	6.36010728	3.501575285	2.858531995	8.30E-09
peak_22060	chr3	36994487	36994779	82736	Intergenic	NM_200908	tubg1	5.930136166	3.07162814	2.858508026	0.000112
peak_3409	chr5	12413136	12413666	-74151	Intergenic	NM_001195784	fep15	9.266994752	6.408766724	2.858228029	1.08E-14

peak_6681	chr2	45270500	45271109	-18066	Intergenic	NR_029925		8.779578653	5.921783482	2.857795172	9.46E-11
peak_15354	chr24	32731029	32731402	139604	Intergenic	NM_001002229	snx7	6.633476978	3.776221852	2.857255126	2.34E-06
peak_23285	chr10	28083076	28083368	351609	Intergenic	NM_152948	cxadr	3.342286181	0.48510786	2.857178321	0.000189
peak_14271	chr24	7705395	7706659	-5243	Intergenic	NM_001076562	galnt11	8.381807161	5.524639951	2.85716721	1.04E-06
peak_12306	chr2	35248854	35249116	38864	intron (NM_131036, intron 7 of 14)	NM_131036	tnw	5.841076335	2.984242458	2.856833877	1.81E-07
peak_13396	chr19	35680194	35680673	-7927	Intergenic	NR_029929_1		5.758415062	2.901740657	2.856674405	5.09E-07
peak_21549	chr6	43779404	43779736	34426	intron (NM_001039637, intron 2 of 19)	NM_001039637	foxp1b	6.223757295	3.367115026	2.85664227	8.77E-05
peak_7748	chr19	29582443	29582973	194504	Intergenic	NM_001080628	zgc:158604	8.414270785	5.557784809	2.856485977	6.47E-10
peak_20026	chr25	21180545	21180895	36521	Intergenic	NM_001171583	cplx3a	3.811169177	0.95511259	2.856056587	4.19E-05
peak_6551	chr18	25973868	25974774	15557	Intergenic	NR_030101		8.42475982	5.568708092	2.856051728	7.37E-11
peak_13036	chr2	46635167	46635654	-192671	Intergenic	NM_201020_1	gpc1b	6.404750843	3.549009225	2.855741618	3.67E-07
peak_9230	chr6	52502145	52502558	15848	intron (NM_001076755, intron 6 of 8)	NM_001076755	uqcc1	6.132157201	3.276579944	2.855577257	5.75E-09
peak_12469	chr6	35097177	35097571	110860	intron (NM_001256393, intron 7 of 18)	NM_199559	mier1a	6.480988878	3.625987808	2.855001069	2.13E-07
peak_17642	chr12	40169421	40169824	63262	intron (NM_001002490, intron 2 of 7)	NM_001002490	ttyh2	6.94596686	4.091397431	2.854569429	1.09E-05
peak_10040	chr3	58261465	58261948	-21859	Intergenic	NM_199950	socs3a	8.268111003	5.413602748	2.854508254	1.63E-08
peak_23034	chr15	38051073	38051434	162400	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	5.891683782	3.037298323	2.854385459	0.000172
peak_22820	chr6	11321291	11321589	41358	Intergenic	NM_001017811	zgc:112416	6.026608515	3.172346254	2.854262261	0.000155
peak_16430	chr11	25557261	25557682	57380	Intergenic	NM_001077251	olfml3b	6.29678665	3.442531703	2.854254947	5.02E-06
peak_20999	chr3	55039563	55040322	175782	intron (NM_212717, intron 1 of 5)	NM_212717	olfm2a	8.007552864	5.153550689	2.854002175	6.70E-05
peak_31189	chr5	831288	831862	-8666	intron (NM_001002385, intron 10 of 16)	NM_131461	tek	3.073219981	0.219835396	2.853384585	0.002749
peak_31188	chr12	38651127	38651504	141488	Intergenic	NM_001080568	hs3st3b1b	3.073219981	0.219835396	2.853384585	0.002749
peak_10871	chr19	22214776	22215344	-16170	Intergenic	NM_001159669	LOC100003866	8.470519507	5.617163636	2.853355871	4.30E-08
peak_17609	chr10	33976909	33977331	-131712	Intergenic	NM_001045333	kctd7	7.335079531	4.481809575	2.853269956	1.07E-05
peak_16368	chr14	30559518	30560260	-85142	Intergenic	NM_001045414	zgc:153146	7.262310179	4.409527133	2.852783046	4.80E-06
peak_15379	chr18	14308929	14309221	29282	Intergenic	NM_001030145	uri1	5.870398012	3.017844352	2.852553659	2.37E-06
peak_20859	chr5	47184085	47184481	91870	Intergenic	NM_001105109	npffr2.1	7.081484669	4.229127278	2.852357391	6.27E-05
peak_8818	chr12	15153398	15153899	-81420	Intergenic	NM_199783	klhl11	6.84356716	3.991864228	2.851702932	3.26E-09
peak_9345	chr9	24411876	24412293	4392	intron (NM_001123295, intron 2 of 3)	NM_001123295	sh3bp4	6.473818841	3.622967023	2.850851817	6.83E-09
peak_18065	chr5	46527573	46527908	-35753	Intergenic	NM_205628	dmrt1	6.389590732	3.539243054	2.850347678	1.42E-05
peak_4040	chr1	52529783	52530663	93128	Intergenic	NM_001003739	rad23aa	10.06398712	7.213799185	2.850187936	1.17E-13
peak_9210	chr5	30760757	30761314	29907	Intergenic	NM_001030100	noxa1	7.273035958	4.422887486	2.850148472	5.62E-09
peak_7899	chr18	21998173	21998816	-9981	Intergenic	NM_001045108	fam65a	9.191521316	6.341738899	2.849782418	8.11E-10
peak_9794	chr23	218140	219143	80018	Intergenic	NM_001077296	zgc:153351	8.531698407	5.681991948	2.849706459	1.23E-08
peak_31545	chr2	37125886	37126826	-3945	Intergenic	NM_131855	prkci	7.591810123	4.742207048	2.849603076	0.003034
peak_13529	chr13	27331683	27331998	67061	Intergenic	NM_001145687	soul2	5.675037774	2.825454036	2.849583738	5.67E-07
peak_22808	chr7	12149840	12150192	51897	Intergenic	NM_001080704	mesdc2	5.970088389	3.121005563	2.849082826	0.000154
peak_4344	chr23	17294683	17295740	21531	Intergenic	NM_001003577	commd7	9.540106121	6.691788859	2.848317262	3.12E-13
peak_15728	chr7	4483094	4483444	-20822	Intergenic	NM_001045001	slc12a10.2	5.736290393	2.888000986	2.848289408	3.11E-06
peak_5750	chr2	4675570	4677083	80399	Intergenic	NM_001009917	tfr1a	9.991291049	7.143601028	2.847690021	1.34E-11
peak_26742	chr3	5802208	5802897	72632	Intergenic	NM_205641	txn2	5.752286092	2.905309858	2.846976234	0.000713
peak_19675	chr2	31921298	31921734	58646	Intergenic	NM_200070	fam49ba	7.185354768	4.338438417	2.846916351	3.42E-05
peak_31635	chr15	16378085	16378475	13656	intron (NM_207060, intron 6 of 10)	NM_207060	vmp1	7.406566135	4.559850906	2.84671523	0.003114
peak_14624	chr2	43436011	43436394	130063	Intergenic	NM_205735	pard3	5.89835559	3.051777004	2.846578586	1.38E-06
peak_13922	chr8	39198876	39199199	167435	Intergenic	NM_001039526	prlhr2a	6.051390411	3.205149029	2.846241381	7.83E-07
peak_26165	chr14	31804510	31805377	32220	Intergenic	NM_001123050	il2rgb	8.05893662	5.212817812	2.846118808	0.000583
peak_27339	chr20	2460968	2462489	151026	Intergenic	NM_001003990	med23	9.40086867	6.554967923	2.845900746	0.000873
peak_21423	chr10	21084475	21084711	-297279	Intergenic	NM_200782	kcnip3b	5.714609849	2.868947349	2.8456625	8.23E-05
peak_21322	chr14	44057053	44057426	-352062	Intergenic	NM_001115099	pcdh18b	5.973241477	3.127702223	2.845539254	7.81E-05
peak_25420	chr13	11625119	11625605	14964	exon (NM_001278854, exon 5 of 5)	NM_001278854	trim8a	6.285789361	3.440351906	2.845437455	0.000452
peak_27986	chr6	57376004	57376317	50379	Intergenic	NM_001002869	ddx27	5.454099926	2.609160782	2.844939144	0.0011
peak_25174	chr23	40266506	40266866	-81513	Intergenic	NM_001082482	ghrhrl	6.215183623	3.370509378	2.844674245	0.000413
peak_22453	chr5	775107	775409	-15477	Intergenic	NM_001045284_1	thap1	5.992036796	3.147547357	2.844489438	0.000133
peak_24138	chr15	21611188	21613365	-20113	Intergenic	NM_001077155	nars2	4.99997995	2.155703238	2.844276712	0.000273
peak_13633	chr23	16825078	16825387	27672	exon (NM_212691, exon 6 of 9)	NM_212691	sdcbp	5.858656139	3.014565339	2.8440908	6.22E-07
peak_19815	chr24	26134548	26135082	52559	Intergenic	NM_001002185	smpx	6.850666322	4.006680932	2.84398539	3.69E-05
peak_5552	chr16	6053947	6054654	-9592	intron (NM_001080653, intron 8 of 10)	NM_001077257_1	foxo1a	8.22875818	5.384986395	2.843771784	8.80E-12
peak_11995	chr7	62593527	62593817	52802	Intergenic	NM_212690	plaa	6.031994474	3.188548085	2.843446388	1.34E-07
peak_13402	chr2	12799401	12799818	247176	Intergenic	NM_201139	kdsr	5.690496237	2.847166723	2.843329513	5.11E-07
peak_5628	chr21	9500354	9501251	-83985	intron (NM_001080201, intron 1 of 5)	NR_030058		8.543025064	5.700635376	2.842389688	1.04E-11
peak_6717	chr19	6536367	6537179	169305	Intergenic	NM_001044921	gsk3aa	8.769007526	5.926861499	2.842146027	1.03E-10
peak_17131	chr25	4897857	4898261	18689	Intergenic	NM_131642	cyp19a1b	7.258134367	4.416113539	2.842020828	7.64E-06
peak_6007	chr3	39661200	39661699	-18646	Intergenic	NM_001020573	grapa	8.752861686	5.911136358	2.841725328	2.40E-11
peak_11425	chr23	2304817	2305608	-130118	Intergenic	NM_131230	tcp1	7.68385734	4.842227922	2.841629418	7.59E-08
peak_18438	chr14	19775122	19775403	81379	intron (NM_130945, intron 10 of 29)	NM_130945	flt4	5.715028461	2.873499451	2.84152901	1.72E-05
peak_6196	chr8	19860885	19861873	5677	intron (NM_205637, intron 1 of 19)	NM_205637	rgl1	8.215105323	5.373714268	2.841391055	3.70E-11
peak_11332	chr2	23661580	23661923	58901	Intergenic	NR_030519		6.009928105	3.168643798	2.841284307	6.88E-08
peak_21438	chr11	28176861	28177219	104606	Intergenic	NM_001002171_1	hdac11	5.665972722	2.824700616	2.841272106	8.27E-05
peak_15854	chr16	56035430	56035750	-82192	Intergenic	NM_152960	fabp10a	4.592962636	1.751692644	2.841269992	3.40E-06
peak_16272	chr3	56238281	56238516	29224	Intergenic	NM_001080635	ldlrap1b	5.510282977	2.669353018	2.840929959	4.48E-06
peak_17448	chr19	8463131	8463504	5754	Intergenic	NM_001003593	cks1b	6.658989504	3.818083258	2.840906246	9.39E-06
peak_16549	chr3	60222989	60223379	33482	intron (NM_001113799, intron 14 of 14)	NM_001113799	zmp:000000068	6.108398356	3.267714473	2.840683883	5.42E-06
peak_4823	chr3	55339265	55340227	12076	intron (NM_001007403, intron 1 of 13)	NM_001007403	trip10a	10.62122049	7.780826059	2.840394429	1.36E-12
peak_11184	chr8	54542708	54543871	-19443	Intergenic	NM_001089453	ube2d4	8.325496376	5.485906189	2.839590186	5.95E-08
peak_27750	chr5	57997013	57997604	-74270	Intergenic	NM_001102384	tbx2a	7.682995458	4.843523343	2.839472115	0.001014
peak_7163	chr21	42334503	42335908	27599	intron (NM_201133_1, intron 6 of 16)	NM_201133_1	stk10	10.28581725	7.446406921	2.839410327	2.34E-10
peak_23777	chr21	40318860	40320026	16001	intron (NM_001030122, intron 1 of 8)	NM_001030122	ppp2r2bb	7.890397911	5.051158071	2.839239841	0.000234
peak_13358	chr3	48118681	48119071	59058	Intergenic	NM_201311	pmp22a	6.452579908	3.613806365	2.838773544	4.93E-07
peak_12696	chr14	27579429	27580196	-34217	Intergenic	NM_182862	tgfbi	8.407476703	5.568770583	2.83870612	2.63E-07
peak_5253	chr21	7576232	7576740	30818	Intergenic	NM_001030261	wdr41	8.044240468	5.20563352	2.838606948	4.27E-12
peak_5398	chr8	13718807	13719801	-24817	Intergenic	NM_001130790	zgc:194990	9.649919427	6.81146289	2.838456537	5.88E-12
peak_15705	chr19	11695515	11695974	33151	Intergenic	NM_001001399	ssr2	6.51872789	3.680327972	2.838399918	3.06E-06
peak_9664	chr21	34213252	34213816	31887	intron (NM_001002718, intron 1 of 2)	NM_001002718	ubtd2	7.415244666	4.577412877	2.837831789	1.04E-08
peak_12252	chr4	28591791	28592134	286816	Intergenic	NM_001113341	si:dkey-13e3.1	6.152443593	3.314667774	2.837775819	1.71E-07
peak_20742	chr10	11048739	11048969	44694	intron (NM_001024207, intron 5 of 8)	NM_001024207	ugcg	4.088808875	1.251205952	2.837602922	5.96E-05
peak_21009	chr15	2097921	2098438	79463	intron (NM_131769, intron 5 of 7)	NM_201196	shox2	7.221843887	4.384318282	2.837525605	6.74E-05
peak_4009	chr8	28686365	28687544	24447	intron (NM_001077371, intron 2 of 5)	NM_001077371	cttnbp2nlb	9.591357507	6.753838573	2.837518933	1.08E-13
peak_22947	chr8	33487165	33488011	123386	Intergenic	NM_001020514	ncs1b	7.802911229	4.965433092	2.837478137	0.000165
peak_16504	chr7	38548604	38549002	-220634	Intergenic	NM_001146014	sall1a	6.941670391	4.104756559	2.836913831	5.28E-06
peak_12155	chr22	41012301	41012796	4692	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	7.435879093	4.599149595	2.836729497	1.56E-07
peak_22720	chr17	52285056	52285646	15120	Intergenic	NM_131801	odc1	6.705766241	3.869043977	2.836722265	0.000149
peak_5255	chr13	30965526	30965978	-41692	Intergenic	NM_001009985	rassf4	8.173510734	5.336788979	2.836721754	4.29E-12
peak_11553	chr11	38454842	38455224	-16029	Intergenic	NM_001040385	egfl7	6.735234876	3.898776281	2.836458595	8.69E-08
peak_15481	chr4	46998507	46998824	244871	Intergenic	NM_001113606	zgc:173720	5.170618565	2.334222611	2.836395954	2.57E-06
peak_17461	chr4	11952702	11953379	25633	Intergenic	NM_001002094	msrb3	7.178076964	4.34235826	2.835718704	9.50E-06
peak_7543	chr4	33208730	33209978	18291	Intergenic	NM_001128297	si:dkey-122c11.1	9.438809523	6.603288513	2.835521011	4.73E-10
peak_9781	chr3	6064569	6066069	7817	intron (NM_001110385, intron 4 of 5)	NM_001110385	trim35-31	9.131299506	6.295926246	2.835373261	1.21E-08
peak_18724	chr21	39609228	39609780	16483	Intergenic	NM_001128752	kctd16b	6.418725713	3.583591747	2.835133967	2.02E-05
peak_20836	chr13	44022959	44023380	-6291	Intergenic	NM_001077794	dact2	6.380352505	3.545486078	2.834866427	6.22E-05
peak_16626	chr12	18794252	18795278	-312	promoter-TSS (NR_045235)	NR_045235		7.729231797	4.895675632	2.833556165	5.67E-06
peak_15304	chr14	46065781	46066243	-206152	Intergenic	NM_200975	gar1	6.993082785	4.159610875	2.83347191	2.28E-06
peak_4229	chr7	76767851	76768857	-13604	Intergenic	NM_001076724	casq1b	9.447224633	6.613904882	2.83331975	2.19E-13
peak_27388	chr19	11560870	11561266	35491	exon (NM_001081631, exon 8 of 22)	NM_001081631	arhgef1a	6.50228763	3.668991816	2.833295814	0.000889
peak_27936	chr21	34427548	34427969	134567	Intergenic	NM_200048	rars	6.02321233	3.190480009	2.832732321	0.001083
peak_22345	chr7	76756842	76757138	-2240	Intergenic	NM_001076724	casq1b	3.735417151	0.902938058	2.832479093	0.000127
peak_10557	chr23	44416521	44417058	-17268	intron (NM_214728, intron 7 of 19)	NM_001080623	zgc:158659	7.549856644	4.717381331	2.832475314	2.90E-08

peak_28004	chr10	321801	323635	40836	intron (NM_131836, intron 4 of 5)	NM_199984	zgc:56039	9.277083576	6.444931717	2.83215186	0.001105
peak_13659	chr18	29276678	29277005	-75368	Intergenic	NM_131844	maf	6.36144489	3.529395542	2.832049348	6.34E-07
peak_6002	chr14	19632538	19633116	30781	Intergenic	NM_213067	dusp1	7.684504972	4.852562099	2.831942873	2.34E-11
peak_19502	chr18	17113664	17114085	26177	intron (NM_001002193, intron 10 of 12)	NM_001002193	zgc:91860	6.729225753	3.898089958	2.831135794	3.10E-05
peak_33960	chr4	53680435	53680819	-80979	Intergenic	NM_001109740	zgc:173619	6.042431277	3.211563704	2.830867573	0.005481
peak_11791	chr3	40805173	40805550	1531	intron (NM_213156, intron 2 of 9)	NM_213156	arpc1b	6.11062728	3.279788096	2.830839184	1.08E-07
peak_14950	chr4	13998890	13999318	6764	exon (NM_201473, exon 19 of 19)	NM_200966	psmc2	6.58081414	3.750551573	2.830262566	1.73E-06
peak_10044	chr7	18669069	18669395	-42499	Intergenic	NM_001005576_1	nitr9	6.43127841	3.601076997	2.830201413	1.63E-08
peak_16847	chr22	27574587	27575051	-7222	Intergenic	NM_198068	cxcl12b	6.187024224	3.357379216	2.829645008	6.48E-06
peak_26951	chr21	23437828	23438372	207200	intron (NM_001113551, intron 1 of 11)	NM_001113551	cadm1a	6.733145635	3.903656427	2.829489208	0.000765
peak_31224	chr2	44484972	44485226	-17489	Intergenic	NM_001002309	pih1d3	3.313826142	0.48510786	2.828718282	0.002783
peak_17650	chr20	42917831	42918102	5099	TTS (NM_001089390)	NM_001089390	si:ch211-215m21	5.124614504	2.295909839	2.828704665	1.09E-05
peak_9495	chr7	70468751	70469265	-37913	Intergenic	NM_199682	ap1g1	7.84999387	5.02132929	2.82866458	8.33E-09
peak_7519	chr16	47901755	47902722	2664	intron (NM_213094, intron 1 of 10)	NM_213094	gapdhs	8.578109527	5.749493849	2.828615677	4.53E-10
peak_6410	chr17	19455194	19455765	973	intron (NM_001037575, intron 1 of 7)	NM_001037575	reep3a	8.167617365	5.339663284	2.827954081	5.70E-11
peak_12593	chr5	41904821	41905287	12375	intron (NM_001100006, intron 1 of 1)	NM_001100006	snx18a	7.368928192	4.54108707	2.827841122	2.37E-07
peak_32464	chr16	12562400	12562844	17707	intron (NM_131602, intron 6 of 7)	NM_131602	dedd1	6.022536079	3.194978056	2.827558023	0.003857
peak_12129	chr17	38058719	38059123	-41335	Intergenic	NM_001077519	plekhh1	6.707450247	3.880264501	2.827185746	1.52E-07
peak_10874	chr13	37349707	37350145	-10026	Intergenic	NM_001020816	frmd6	6.746576375	3.91939181	2.827184565	4.31E-08
peak_9162	chr12	8824528	8824920	15102	exon (NM_001039062, exon 25 of 26)	NM_001145242	csf3	6.729018511	3.901958527	2.827059985	5.21E-09
peak_24783	chr7	35293084	35293855	2592	exon (NM_001130652, exon 2 of 9)	NM_001130652	skor1a	7.156002659	4.329410073	2.826592586	0.000357
peak_18402	chr24	4589909	4590367	-62180	Intergenic	NM_130918	fzd8a	7.130902821	4.304553106	2.826349715	1.70E-05
peak_9959	chr4	23219134	23219491	-319803	Intergenic	NM_194401	celf2	6.826975064	4.000843112	2.826131951	1.49E-08
peak_10360	chr13	6791290	6791655	54131	Intergenic	NM_001144794	exoc3l4	6.752094037	3.926011982	2.826082055	2.33E-08
peak_17507	chr8	12707071	12707535	71674	Intergenic	NM_001024214	endog	7.14918554	4.323466087	2.825719452	9.83E-06
peak_6883	chr6	11623792	11624418	-47625	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	8.302573786	5.476890232	2.825683553	1.37E-10
peak_18399	chr18	27875849	27876344	349	exon (NM_001080159, exon 1 of 15)	NM_001080159	hipk3b	6.875473583	4.050295706	2.825177877	1.69E-05
peak_26103	chr7	13282106	13282545	92327	Intergenic	NM_001037578	fam154b	4.538966488	1.713875669	2.82509082	0.00057
peak_4124	chr25	18796299	18797329	20979	Intergenic	NM_194380	dusp6	9.576142182	6.75112954	2.825012643	1.54E-13
peak_5309	chr14	46812855	46813650	182162	Intergenic	NM_001044886	si:ch211-240l14.:	8.40702338	5.582035933	2.824987447	4.90E-12
peak_6427	chr15	21685298	21686085	53302	Intergenic	NM_001077155	nars2	8.988662383	6.163942203	2.82472018	5.85E-11
peak_36387	chr25	17424201	17424841	-80466	Intergenic	NM_001089445	ccnd2a	6.617417962	3.792798106	2.824619855	0.0093
peak_12171	chr8	11453246	11453642	-23854	intron (NM_001004579, intron 7 of 14)	NM_153673	unc45b	6.59843162	3.773914495	2.824517124	1.59E-07
peak_16616	chr22	41123712	41124149	230	exon (NM_001045022, exon 2 of 3)	NM_001045022	tm4sf18	6.575264382	3.751027893	2.82423649	5.65E-06
peak_16609	chr8	41197479	41198031	-118751	Intergenic	NM_001083829_1	pcsk5b	6.201471412	3.377592007	2.823879405	5.62E-06
peak_11506	chr11	43726564	43727104	4660	intron (NM_153660, intron 1 of 12)	NM_153660	il17rd	8.534787791	5.711173668	2.823614124	8.26E-08
peak_8625	chr18	49658254	49659205	16731	Intergenic	NM_001001729	rap2b	8.993775497	6.170393089	2.823382408	2.44E-09
peak_25319	chr4	61399312	61399805	264	5' UTR (NM_001044889, exon 2 of 12)	NM_001044889	si:dkey-61p9.7	6.72588208	3.90256241	2.823319669	0.000436
peak_18103	chr3	47993314	47993941	24932	Intergenic	NM_001002183	cdc42ep4a	7.25396324	4.430997351	2.822965889	1.45E-05
peak_5223	chr13	52177049	52177972	-39296	Intergenic	NM_001045030	prtga	8.780534737	5.958108401	2.822426336	3.95E-12
peak_14037	chr10	29019491	29019951	30755	intron (NM_001005391, intron 8 of 30)	NM_212758_1		7.285225662	4.462830071	2.82239559	8.72E-07
peak_17205	chr2	31140578	31141312	-12324	intron (NM_001122840, intron 3 of 9)	NM_200120	stam	6.913249976	4.091303764	2.821946212	8.01E-06
peak_19383	chr8	45362964	45363512	-18188	Intergenic	NM_001007031	fam101a	7.701112737	4.879272322	2.821840415	2.90E-05
peak_21349	chr13	46381663	46381972	-142826	Intergenic	NM_001080635_1	ldlrap1b	4.186438186	1.364650599	2.821787588	7.92E-05
peak_32593	chr3	58672454	58672833	-78954	Intergenic	NM_001080585	syngr2a	6.016755299	3.194978056	2.821777243	0.003973
peak_26326	chr25	21118766	21119279	71138	Intergenic	NM_001033744	adal	3.041371788	0.219835396	2.821536392	0.000616
peak_20411	chr20	33976652	33976945	9507	intron (NM_001243323, intron 12 of 15)	NM_001243323	selp	5.613817609	2.79240069	2.82141692	5.11E-05
peak_20001	chr9	25279698	25280102	-3965	Intergenic	NM_001277070	sdpra	6.880333868	4.059209967	2.821123901	4.12E-05
peak_24109	chr3	36953249	36953657	98970	Intergenic	NM_001039983	ezh1	6.343385461	3.52238983	2.820995631	0.00027
peak_13408	chr8	22468680	22469071	-415925	Intergenic	NM_194404	dffb	5.996540512	3.17556942	2.820971091	5.13E-07
peak_22467	chr15	28532935	28533317	-21981	Intergenic	NM_001076647	zgc:153893	4.727969758	1.907116997	2.820852761	0.000134
peak_14690	chr9	34328936	34329295	28596	exon (NM_001077449, exon 22 of 45)	NM_001077449	usp9	7.277018902	4.456307713	2.820711189	1.45E-06
peak_17274	chr9	47489521	47490220	126661	Intergenic	NM_131069	cx43.4	7.216227628	4.395688326	2.820539302	8.40E-06
peak_11265	chr18	14384209	14385019	38318	intron (NM_001044926, intron 3 of 13)	NM_001044926	mtss1l	8.056456341	5.236184267	2.820272075	6.41E-08
peak_24693	chr18	44212755	44213041	2683	intron (NM_001195613, intron 1 of 27)	NM_001195613	abcc5	5.30933272	2.489198756	2.820133964	0.000344
peak_24319	chr19	32843226	32843661	12696	exon (NM_001045026, exon 20 of 23)	NM_200086	gmnn	7.127290388	4.308075853	2.819214535	0.000295
peak_23154	chr9	464933	465291	-22952	Intergenic	NM_001080074_1	zgc:158316	6.030293896	3.211198133	2.819095763	0.000181
peak_25998	chr8	33315337	33315701	-48683	Intergenic	NM_001020514	ncs1b	3.038698769	0.219835396	2.818863373	0.00055
peak_7185	chr3	57874600	57875234	170632	Intergenic	NM_001099249_2	zgc:165627	8.869397439	6.050663424	2.818734014	2.45E-10
peak_22468	chr23	37093402	37094109	90314	Intergenic	NM_001020621	cpsf3l	8.052311433	5.234016872	2.818294561	0.000134
peak_23033	chr24	30715262	30715747	-290486	Intergenic	NM_001099258	lppr5b	7.322182846	4.504349874	2.817832973	0.000171
peak_14326	chr5	12777824	12778209	119161	Intergenic	NM_001128707	nf2a	6.440197212	3.622592343	2.817604868	1.08E-06
peak_17358	chr9	9173580	9174945	5147	intron (NM_001126383, intron 9 of 12)	NM_001126383	si:ch211-235e18.	8.293472431	5.476014182	2.817458249	8.89E-06
peak_14579	chr12	23256860	23257222	217332	Intergenic	NM_001020680	mrpl27	6.644972105	3.827586222	2.817385882	1.32E-06
peak_24573	chr10	347477	347737	15947	Intergenic	NM_199984	zgc:56039	5.082944919	2.266639084	2.816305835	0.000327
peak_10772	chr18	18843686	18843981	32019	intron (NM_001080989, intron 17 of 27)	NM_001080989	dennd4a	5.586087111	2.770216811	2.8158703	3.75E-08
peak_11637	chr18	25446925	25447362	-89162	Intergenic	NM_001172661	si:ch211-39k3.2	7.328786356	4.513634245	2.815152111	9.35E-08
peak_25567	chr12	50390949	50391266	-6211	intron (NM_200591, intron 5 of 7)	NM_001114902	zgc:175139	3.514108747	0.70013877	2.813969977	0.000475
peak_14392	chr9	48581342	48581710	300392	Intergenic	NM_001003480	zgc:92380	6.224345526	3.410686312	2.813659214	1.15E-06
peak_18991	chr23	31234799	31235149	-111307	Intergenic	NM_153665	tbx18	6.14841992	3.334845411	2.813574509	2.37E-05
peak_25679	chr14	25219865	25220064	5182	exon (NM_001014827, exon 4 of 4)	NM_001014827	stc2a	3.033337828	0.219835396	2.813502432	0.000492
peak_18361	chr13	51944003	51944495	-54963	Intergenic	NM_144764	gpib	7.212212646	4.399105109	2.813107537	1.66E-05
peak_11646	chr15	31533137	31533854	38039	Intergenic	NM_001005935	arfip2a	7.450695962	4.637927143	2.812768819	9.40E-08
peak_20877	chr13	45338529	45339418	19175	intron (NM_001030175, intron 1 of 5)	NM_001030175	zfand3	7.944172143	5.131463942	2.812708201	6.32E-05
peak_5952	chr11	45427512	45428111	-19464	intron (NM_001015069_1, intron 3 of 3)	NR_023340		9.140034173	6.327417387	2.812616785	2.11E-11
peak_4881	chr14	19883324	19883907	6701	exon (NM_001130662, exon 4 of 7)	NM_001130662	trim105	8.76126715	5.949422258	2.811844892	1.65E-12
peak_28374	chr25	25134778	25135322	161463	Intergenic	NM_001013512	tmem86a	6.163256904	3.351519146	2.811737758	0.001236
peak_19127	chr22	35014897	35015504	-19407	Intergenic	NM_001076629	manf	7.133401357	4.321771134	2.811630223	2.54E-05
peak_10977	chr3	5786114	5787723	88266	Intergenic	NM_205641	txn2	10.0047183	7.193161406	2.811556896	4.75E-08
peak_23311	chr12	13003517	13003844	247489	Intergenic	NM_001114932_1	wapalb	5.928714202	3.11764554	2.811068662	0.000191
peak_19598	chr4	37870686	37871397	313432	Intergenic	NM_001114900	zgc:174708	5.958072879	3.147129674	2.810943205	3.28E-05
peak_17359	chr23	4671529	4672019	87703	intron (NM_181498_1, intron 5 of 5)	NM_199749	cnbpa	6.962683708	4.151879545	2.810804163	8.89E-06
peak_11740	chr14	43513362	43513742	93135	Intergenic	NM_001030213	afap1l1a	6.24745839	3.436875508	2.810582882	1.02E-07
peak_35274	chr20	19976801	19978459	-46537	Intergenic	NM_212570	ptk2bb	8.212875381	5.402316934	2.810558448	0.007292
peak_25793	chr15	28756262	28756582	-19916	Intergenic	NM_131204	serpinh1b	6.299564208	3.489066792	2.810497416	0.000512
peak_16913	chr24	25926168	25926595	39562	Intergenic	NM_001002642	camk2n2	6.980582149	4.170389314	2.810192835	6.73E-06
peak_23542	chr14	11615436	11615904	13514	Intergenic	NM_001077607	irg1l	6.577568185	3.767410592	2.810157593	0.00021
peak_15579	chr6	27658331	27658572	-41794	Intergenic	NM_001080177	amotl2a	6.446527893	3.636398831	2.810129061	2.75E-06
peak_13861	chr5	58775272	58775754	-4505	Intergenic	NM_205717	slc31a1	6.431023625	3.621589703	2.809433922	7.47E-07
peak_15989	chr22	29847055	29848355	-83767	Intergenic	NM_001003584	jagn1b	5.893164279	3.084191661	2.808972618	3.74E-06
peak_14207	chr13	40454573	40455102	52717	Intergenic	NM_131858	sfrp5	7.832012481	5.023446471	2.80856601	9.91E-07
peak_17893	chr7	12838332	12839055	45900	Intergenic	NM_001080993	mex3b	7.226851397	4.418471753	2.808379644	1.28E-05
peak_5732	chr25	35925380	35926264	-113	promoter-TSS (NM_001130621)	NM_001130621	zgc:194879	8.888172329	6.079807651	2.808364678	1.29E-11
peak_16692	chr18	6019891	6020288	77063	Intergenic	NM_212665	dnaja2l	6.666176591	3.857887992	2.808288598	5.92E-06
peak_25788	chr16	15289674	15290131	74169	Intergenic	NM_001197062	dbpb	3.027956891	0.219835396	2.808121495	0.000511
peak_31279	chr3	26495654	26496661	3140	intron (NM_001172397, intron 1 of 10)	NM_001172397	xylt1	7.394964115	4.586988133	2.807975982	0.002828
peak_20254	chr5	60979923	60980389	3399	intron (NM_001099451, intron 1 of 20)	NM_001099451	rasa4	6.263320643	3.455803858	2.807516786	4.71E-05
peak_20622	chr1	14181076	14181365	195792	Intergenic	NM_001045485	pi4k2b	5.83451899	3.027112313	2.807406677	5.66E-05
peak_13071	chr5	24017605	24018639	-289	promoter-TSS (NR_029943)	NR_029943		8.615714658	5.808467848	2.807246809	3.79E-07
peak_28445	chr6	25748429	25748957	-61107	Intergenic	NM_212689	lmo4b	6.649590985	3.842420041	2.807170944	0.001266
peak_16690	chr9	3037522	3038020	-130838	Intergenic	NM_001076667	dync1i2a	6.728591845	3.921497842	2.807094003	5.92E-06
peak_15767	chr9	19423617	19423903	-23643	Intergenic	NM_001017832	gtf2f2b	5.927971095	3.12088223	2.807088864	3.21E-06
peak_14640	chr19	24278224	24278522	125411	Intergenic	NM_199546	chtopa	6.001373455	3.194336504	2.807036951	1.39E-06
peak_14312	chr3	23556764	23557049	44491	Intergenic	NM_199214	col1a1a	5.834926691	3.0282478	2.806678891	1.07E-06
peak_20686	chr7	55143637	55143961	37161	intron (NM_001008635, intron 4 of 11)	NM_001008635	csnk1g1	6.098467082	3.292145728	2.806321354	5.83E-05

peak_14244	chr24	25717567	25717845	40149	Intergenic	NM_001100152	amer2	5.59113946	2.78490332	2.80623614	1.02E-06
peak_19067	chr22	7685728	7686047	150670	Intergenic	NM_001003450	zgc:92511	5.9516722	3.145637597	2.806034603	2.46E-05
peak_5821	chr12	2246095	2246649	-89009	Intergenic	NM_131643	sox9a	8.592905697	5.787256439	2.805649258	1.58E-11
peak_24121	chr16	46823847	46824083	156405	exon (NM_001039635, exon 4 of 8)	NM_001039635	zfpm2a	5.74983673	2.944206073	2.805630656	0.000271
peak_21847	chr23	23728755	23729113	-33529	Intergenic	NM_131873	her9	5.887975879	3.082520801	2.805455078	0.000101
peak_4600	chr15	34868313	34869233	319147	Intergenic	NM_001080189_1	zgc:158328	9.725634542	6.920794241	2.804840301	7.11E-13
peak_27589	chr5	74780749	74781386	53751	Intergenic	NM_001003993	ak1	6.777414081	3.972879962	2.804534119	0.000954
peak_10516	chr16	8083948	8084592	-20880	Intergenic	NM_001271459	mbpb	7.203710336	4.399703702	2.804006633	2.75E-08
peak_13004	chr15	30264869	30265210	32819	Intergenic	NM_001102630	zgc:171951	5.723815645	2.920039704	2.803775941	3.53E-07
peak_7649	chr14	3041306	3041717	44512	intron (NM_001024201_1, intron 1 of 2)	NM_001024201_1	pcdh2g29	6.774002928	3.970378033	2.803624895	5.53E-10
peak_15197	chr25	13145265	13145649	3856	intron (NM_001111201, intron 1 of 7)	NM_001111201	ca5	6.060332693	3.256818303	2.80351439	2.08E-06
peak_6643	chr5	13109892	13110594	9145	intron (NM_001020815, intron 1 of 9)	NM_001020815	gatsl3	9.87423955	7.070885168	2.803354381	8.89E-11
peak_27543	chr9	52951356	52951797	-37925	Intergenic	NM_001076600	tank	6.579665287	3.776910543	2.802754743	0.000939
peak_26338	chr20	7562385	7562765	60220	Intergenic	NM_001256637	dsg2	3.022555809	0.219835396	2.802720413	0.000619
peak_6607	chr24	34600074	34600484	-131	promoter-TSS (NM_001114440)	NM_001114440	slc4a2b	8.078220129	5.275683523	2.802536606	8.21E-11
peak_21416	chr19	38400157	38400539	-267096	Intergenic	NM_001007288	cx30.9	4.370257652	1.567723154	2.802534498	8.19E-05
peak_24872	chr23	2048269	2048547	10714	intron (NM_001002301, intron 3 of 15)	NM_001002301	prdm5	5.992056948	3.189603587	2.802453361	0.000371
peak_4724	chr8	5239746	5240754	-51804	Intergenic	NM_001102640	tmem230b	9.075043987	6.272661072	2.802382915	1.00E-12
peak_21057	chr7	72098121	72098445	-55842	Intergenic	NM_001080067	elp5	4.027956891	1.226539182	2.801417709	6.89E-05
peak_24583	chr11	45388135	45388796	-9656	intron (NM_001015069_1, intron 3 of 3)	NM_200647	mfn1b	3.275608918	0.474639816	2.800969102	0.000328
peak_4254	chr9	6037187	6038189	-85824	Intergenic	NM_001159914	st6gal2a	9.947798675	7.146873221	2.800925454	2.35E-13
peak_26778	chr14	47130438	47131519	48984	intron (NM_001076572, intron 1 of 9)	NM_001076572	atp8a1	3.019847667	0.219835396	2.800012271	0.000723
peak_27145	chr6	16150596	16150936	173246	Intergenic	NM_001002395	faimb	5.924738498	3.124826496	2.799912002	0.000817
peak_19548	chr22	836273	836622	9939	TTS (NM_001002135)	NM_001002135	dram2b	5.588400367	2.788747407	2.79965296	3.18E-05
peak_18535	chr17	7166254	7167166	-293578	Intergenic	NM_201151	fbxo30a	7.398494382	4.59888747	2.799606912	1.82E-05
peak_17758	chr24	18959834	18960214	35724	intron (NM_001006074, intron 8 of 8)	NM_001002499	sec61g	6.864161624	4.064568749	2.799592875	1.18E-05
peak_8595	chr18	38396694	38397077	-255204	Intergenic	NM_001017682	sema6dl	6.59820471	3.798957101	2.79924761	2.35E-09
peak_19088	chr13	46964139	46964743	76176	intron (NM_178303, intron 7 of 17)	NM_001243004	fgfr2	7.055217012	4.256109499	2.799107513	2.49E-05
peak_19857	chr22	40182591	40183205	152786	Intergenic	NM_213118	sox2	6.589770563	3.790664089	2.799106474	3.78E-05
peak_24791	chr24	10797753	10798062	50626	Intergenic	NM_001017844	chmp4c	6.064937768	3.266489499	2.798448268	0.000358
peak_16192	chr25	13929111	13929460	-928	promoter-TSS (NM_200833)	NM_200833	snrkb	5.542799588	2.74437542	2.798424168	4.27E-06
peak_14386	chr13	39923291	39923664	127327	Intergenic	NM_001111187	zgc:172136	6.610420152	3.812719907	2.797700244	1.14E-06
peak_20123	chr5	8666291	8666724	107347	exon (NM_001002654, exon 11 of 14)	NM_001002654	pdlim5a	5.989616751	3.192103521	2.797513231	4.42E-05
peak_27362	chr3	8021320	8021731	-34363	Intergenic	NM_001089399	trim35-19	3.017134431	0.219835396	2.797299035	0.00088
peak_11354	chr9	43397658	43398310	93525	Intergenic	NM_001004010	calcrla	7.810783268	5.013515952	2.797267316	7.04E-08
peak_10017	chr1	14527732	14528674	-272385	Intergenic	NM_001020560	tusc3	8.328991481	5.531918642	2.797072839	1.59E-08
peak_16788	chr24	42209742	42210175	42369	Intergenic	NM_001020507	smyhc1	6.921627102	4.125019989	2.796607113	6.28E-06
peak_28813	chr18	8768996	8769393	-67802	Intergenic	NM_131061	sema3ab	5.460105758	2.663703566	2.796402192	0.001425
peak_15598	chr13	15934082	15934467	14173	intron (NM_130986, intron 3 of 8)	NM_130986	ikzf1	6.494477362	3.698142028	2.796335334	2.78E-06
peak_5525	chr24	20139472	20139891	71678	Intergenic	NM_001003846	sulf1	7.570992624	4.774724644	2.79626798	8.05E-12
peak_12369	chr14	34287919	34288354	14813	intron (NM_212626, intron 5 of 10)	NM_212626	Sep-06	7.312663758	4.51653674	2.796127018	1.93E-07
peak_25019	chr23	36172936	36173424	2898	intron (NM_001134685, intron 1 of 4)	NM_131144	hoxc5a	5.908661156	3.112590787	2.796070369	0.000391
peak_32469	chr12	47891371	47892440	-27719	Intergenic	NM_198802	adkb	7.482580692	4.686510865	2.796069827	0.003862
peak_4006	chr3	55821867	55822484	22414	intron (NM_001002228, intron 1 of 17)	NM_001002228	rhbdf1	9.152909395	6.356845636	2.796063759	1.07E-13
peak_24735	chr18	12095048	12095747	-8922	Intergenic	NM_205609	tbxas1	7.907115581	5.111163159	2.795952422	0.00035
peak_14030	chr11	22859734	22860157	115992	intron (NM_001199491, intron 5 of 17)	NM_001199491	foxp4	6.923087772	4.127308749	2.795779023	8.65E-07
peak_5152	chr12	965268	967515	81019	Intergenic	NM_212974	tob1b	10.7129296	7.917640417	2.795289182	3.39E-12
peak_24184	chr16	9815692	9816348	147809	Intergenic	NM_001289913	cobl	3.280142431	0.48510786	2.795034571	0.000279
peak_5682	chr13	49587572	49588310	137912	Intergenic	NM_001003463	ntpcr	9.019274707	6.224561517	2.79471319	1.17E-11
peak_20043	chr23	4255781	4256430	20516	intron (NM_181498_1, intron 2 of 5)	NM_001002221	aar2	7.208798413	4.414085706	2.794712707	4.23E-05
peak_4696	chr1	12228588	12229159	-73001	Intergenic	NM_001115058	pcdh18a	8.747849523	5.95324072	2.794608802	9.27E-13
peak_28238	chr17	49684159	49684526	-85154	Intergenic	NM_205687	cga	6.305151994	3.510770198	2.794381796	0.001187
peak_13051	chr21	15593545	15593829	30624	intron (NM_001030277, intron 4 of 18)	NM_001030277	atp2a2b	5.998261256	3.204163961	2.794097295	3.72E-07
peak_13294	chr16	6491007	6491295	-3710	Intergenic	NM_001020563	echdc1	6.2948114	3.500784659	2.794026741	4.62E-07
peak_9983	chr4	45223913	45224272	34245	Intergenic	NM_001128300	LOC100008037	6.647167322	3.853250717	2.793916605	1.53E-08
peak_3811	chr14	1922901	1924891	-136674	Intergenic	NM_001024200_1	pcdh2g28	10.21273798	7.419312223	2.793425758	5.19E-14
peak_8075	chr12	4251954	4252315	59950	Intergenic	NM_001089362	vps25	6.54420002	3.751604949	2.79259507	1.09E-09
peak_16344	chr8	37664356	37664747	-7618	Intergenic	NM_200094	sf3a1	6.901312156	4.108720403	2.792591753	4.73E-06
peak_21206	chr12	946351	946758	-93218	Intergenic	NM_001078169	sult2st2	6.083917599	3.291370352	2.792547247	7.42E-05
peak_20658	chr20	47222291	47222847	79322	Intergenic	NM_001018134	dnmt3aa	6.93339868	4.141203819	2.792194861	5.73E-05
peak_31626	chr22	21549325	21550079	-51646	Intergenic	NM_001256159	si:ch211-87h14.3	6.057694607	3.265694078	2.792000529	0.0031
peak_28997	chr7	60580665	60581357	-6368	Intergenic	NM_001042686	hspa12b	3.011692604	0.219835396	2.791857208	0.001509
peak_8779	chr24	26675405	26676286	-90402	Intergenic	NM_200440	klhl24b	9.134510794	6.342851668	2.791659126	3.05E-09
peak_15876	chr8	45686851	45688870	-70648	Intergenic	NM_001007032	ncor2	4.907562792	2.116255556	2.791307237	3.46E-06
peak_10458	chr9	31334391	31335048	7275	intron (NM_001014326, intron 1 of 9)	NM_001014326	srpx	7.812458331	5.021657849	2.790800482	2.60E-08
peak_15161	chr1	48026885	48027193	30019	Intergenic	NM_200389	obfc1	5.518008373	2.727270354	2.79073802	2.03E-06
peak_16078	chr24	3872360	3872728	315862	Intergenic	NM_001168264	wdr37	6.532847501	3.742305832	2.790541668	3.95E-06
peak_18093	chr24	13553242	13553580	13888	exon (NM_001007066, exon 4 of 28)	NM_001007066	trpa1b	6.088466969	3.298183656	2.790283313	1.44E-05
peak_6676	chr4	6778338	6779472	9665	intron (NM_001030108, intron 3 of 3)	NM_001030108	elk3	9.803889694	7.013844433	2.790045261	9.37E-11
peak_27378	chr10	39859184	39859609	-19142	Intergenic	NM_001110374	serpinh1a	6.279026904	3.489066792	2.789960112	0.000885
peak_14961	chr2	57446246	57447263	-64207	Intergenic	NM_001030070	gpx4b	8.941307425	6.15139768	2.789909745	1.75E-06
peak_10411	chr3	58335476	58336322	8312	intron (NM_214682, intron 1 of 13)	NM_214682	cyth1a	8.691866788	5.902180571	2.789686217	2.47E-08
peak_4361	chr5	7579427	7580224	-48784	Intergenic	NM_001018130	crybb3	9.085384835	6.29571547	2.789669365	3.30E-13
peak_15183	chr5	46439804	46440178	8209	intron (NM_001004008, intron 5 of 6)	NM_001004008	fbp2	6.336856522	3.547267398	2.789589125	2.07E-06
peak_24990	chr17	42553591	42554049	114163	Intergenic	NM_200127	mocs3	6.683001699	3.893449377	2.789552322	0.000386
peak_4572	chr2	2832745	2833770	-55386	Intergenic	NM_207059	aqp1a.1	8.365665827	5.576186532	2.789479295	6.52E-13
peak_9773	chr9	53749952	53750458	191406	Intergenic	NM_001030165	Mar-04	7.625574655	4.83620492	2.789369735	1.20E-08
peak_14097	chr8	16331344	16332009	179197	intron (NM_001017754, intron 3 of 4)	NM_001017754	agbl4	7.525777129	4.736874804	2.788902324	9.13E-07
peak_23305	chr18	43944424	43944947	86452	Intergenic	NM_001039634	wt1b	7.542078216	4.75364053	2.788437686	0.000191
peak_13118	chr19	37775523	37775885	427651	Intergenic	NM_131814	angpt2b	6.556892972	3.768668119	2.788224853	3.95E-07
peak_23509	chr12	14977722	14978724	-36239	Intergenic	NM_001128666	fkbp10b	3.342286181	0.554393687	2.787892494	0.000208
peak_12556	chr15	39767833	39768312	3834	intron (NM_001291899, intron 1 of 1)	NM_001291899	LOC100333736	6.834337576	4.046629866	2.78770771	2.30E-07
peak_23062	chr13	21788045	21788595	2266	intron (NM_001045412, intron 2 of 8)	NM_001045412	tspan14	7.62289372	4.835451839	2.787441881	0.000174
peak_14226	chr19	19320861	19321244	-24417	Intergenic	NM_001103116	ube2e1	6.189453875	3.403018022	2.786435853	1.00E-06
peak_23681	chr8	48068530	48068855	24862	intron (NM_001004678, intron 2 of 9)	NM_001004678	adam9	5.812366229	3.026135521	2.786230708	0.000223
peak_8702	chr13	30845475	30846428	23545	intron (NM_001098388, intron 2 of 4)	NM_001098388	zcchc24	9.030600471	6.244390687	2.786209784	2.74E-09
peak_13495	chr8	24622960	24623308	10143	Intergenic	NM_001126422	zgc:195245	6.494233498	3.708684735	2.785548763	5.54E-07
peak_12028	chr6	59462166	59464909	24679	Intergenic	NM_001012494	mtrf1	9.17476001	6.389598002	2.785162008	1.37E-07
peak_27063	chr22	39691926	39692520	-35739	Intergenic	NM_001272080	acy1	6.473338471	3.688301244	2.785037227	0.000793
peak_7015	chr16	24769298	24770119	93972	Intergenic	NM_001013495	s100t	8.795589853	6.010718757	2.784871096	1.74E-10
peak_26060	chr5	50818783	50819120	-7231	Intergenic	NM_001201438	si:dkey-172m14.1	6.308484597	3.524030681	2.784453916	0.000561
peak_21731	chr22	18673659	18674325	41872	intron (NM_001044843, intron 2 of 5)	NM_001044717	si:ch211-212d10.4	7.413698177	4.629362038	2.784336139	9.55E-05
peak_24661	chr21	14384375	14384653	37954	intron (NM_131840, intron 3 of 10)	NM_131840	tnfrsfa	5.544684847	2.760518657	2.78416619	0.000339
peak_8922	chr13	15171756	15172321	2437	exon (NM_001080606, exon 2 of 7)	NM_001080606	pank2	7.525320716	4.741251927	2.784068789	3.77E-09
peak_20425	chr8	34025561	34026119	-23121	Intergenic	NM_001122711	LOC100004439	6.166951356	3.382954173	2.783997183	5.13E-05
peak_7575	chr4	10369366	10369755	-6314	Intergenic	NM_131060	sema3aa	6.519447048	3.735603249	2.7838438	4.94E-10
peak_21473	chr8	12378251	12378565	-90886	Intergenic	NM_001113585	anapc7	5.590227006	2.806669929	2.783557077	8.41E-05
peak_19093	chr11	41729317	41729670	-48834	Intergenic	NM_001077733	znf362a	3.965832482	1.182521187	2.783311295	2.50E-05
peak_5193	chr18	39091696	39092362	-41397	Intergenic	NM_198146	akt2	8.939970299	6.156905632	2.783064666	3.75E-12
peak_8883	chr1	26624785	26625283	-149820	Intergenic	NM_001045258	pspc1	6.355802914	3.572900636	2.782902278	3.55E-09
peak_18956	chr17	9206634	9206975	-385019	Intergenic	NM_001077768	zranb1b	5.971820519	3.18942626	2.782394259	2.31E-05
peak_22385	chr5	50273480	50274257	173445	Intergenic	NM_001123267	mblac2	7.703552996	4.92122561	2.782327386	0.000129
peak_21947	chr22	15729600	15730016	-5798	intron (NM_001024467, intron 8 of 8)	NM_001017541	hsh2d	5.203245422	2.421085965	2.782159457	0.000107
peak_5995	chr7	9130978	9131453	-9359	intron (NM_001020496, intron 1 of 4)	NM_001077154	f13a1b	7.847497419	5.065624525	2.781872894	2.30E-11
peak_7736	chr2	480635	482447	-71263	Intergenic	NM_212920	wrnip1	9.168840239	6.387376256	2.781463983	6.39E-10

peak_9336	chr3	43512956	43513662	78	promoter-TSS (NM_201585)	NM_201585	micall2a	8.199598622	5.418514216	2.781084406	6.70E-09
peak_30996	chr7	25219849	25220585	-6084	Intergenic	NM_200567	dhrs2	6.812952975	4.032017832	2.780935144	0.002616
peak_15696	chr19	36370758	36371082	51006	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	5.802505868	3.021867701	2.780638167	3.05E-06
peak_22041	chr7	37981742	37982178	-38961	Intergenic	NR_036681		4.265289428	1.48548354	2.779805888	0.000111
peak_6060	chr12	45295193	45296324	-247466	Intergenic	NM_001110011	dock1	10.23371166	7.453936306	2.779775356	2.75E-11
peak_16306	chr6	25495872	25496298	191501	Intergenic	NM_212689	lmo4b	6.710207071	3.93048021	2.779726861	4.62E-06
peak_19449	chr24	11513241	11513650	80262	intron (NM_205728, intron 2 of 14)	NM_205728	gli3	7.01267478	4.232976166	2.779698614	3.00E-05
peak_9124	chr8	27559478	27559936	3195	exon (NM_001077730, exon 2 of 3)	NM_001077730	tmem51a	7.529267553	4.750476024	2.77879153	4.98E-09
peak_25630	chr4	9267120	9267570	-163788	Intergenic	NM_001082867	kcnd2	6.202981825	3.424222721	2.778759104	0.000485
peak_36752	chr3	31642359	31642980	-94911	Intergenic	NM_200658	ccdc43	6.546802824	3.768116582	2.778686242	0.010014
peak_21604	chr9	29697440	29697746	-24633	Intergenic	NM_001044782	zgc:162396	5.907562792	3.129046064	2.778516728	9.02E-05
peak_19708	chr9	26693704	26694236	-115208	Intergenic	NM_001135104	zeb2a	7.881546385	5.103798948	2.777747438	3.48E-05
peak_14144	chr5	41836676	41836992	-1257	Intergenic	NM_001100034	si:dkey-193c22.1	5.923631181	3.146240779	2.777390402	9.42E-07
peak_23938	chr3	21570263	21570561	25048	exon (NM_001003857, exon 25 of 30)	NM_001003857	itga2b	5.956303497	3.178947475	2.777356023	0.00025
peak_17092	chr3	22958182	22958612	162381	Intergenic	NM_001128744	cyb561	7.114458812	4.337312315	2.777146496	7.45E-06
peak_24296	chr9	35065744	35065999	5411	intron (NM_001007198, intron 2 of 6)	NM_001007198	ccdc80	5.486884036	2.709987288	2.776896748	0.000293
peak_4446	chr7	37335574	37336540	-171114	Intergenic	NM_001045227	irx5a	9.025544374	6.248774547	2.776769827	4.59E-13
peak_19188	chr20	37547762	37548129	-768	promoter-TSS (NM_001030164)	NM_001030164	hivep2a	6.187024224	3.410476318	2.776547907	2.62E-05
peak_23636	chr12	19396337	19396649	12446	Intergenic	NM_001195126	si:dkey-7e14.3	5.91452628	3.138558488	2.775967792	0.000218
peak_13137	chr9	27163687	27164100	26734	Intergenic	NM_131023	efnb2a	6.705555602	3.930064199	2.775491404	3.99E-07
peak_10278	chr8	31388818	31389278	39836	intron (NM_001123253, intron 1 of 22)	NM_001123253	si:dkey-91m11.5	7.553385926	4.777992226	2.7753937	2.15E-08
peak_9454	chr24	25325678	25326032	6319	intron (NM_001008609, intron 2 of 6)	NM_001008609	armc1	6.631938954	3.856839742	2.775099212	7.89E-09
peak_17628	chr4	59703325	59703847	-104689	Intergenic	NM_001199134	ptprb	7.057364506	4.282648591	2.774715916	1.08E-05
peak_21421	chr7	34856632	34857153	65168	Intergenic	NM_001003573	paqr5b	5.868119378	3.093507042	2.774612336	8.22E-05
peak_7799	chr5	3246654	3247911	90473	Intergenic	NR_030090		9.098625166	6.324095792	2.774529374	6.88E-10
peak_10850	chr19	17735411	17735691	-111966	Intergenic	NM_131857	klf2b	5.703236541	2.928887259	2.774349282	4.12E-08
peak_4596	chr10	36311014	36311891	12029	intron (NM_001034982, intron 2 of 15)	NM_001034982	por	9.681709478	6.908130014	2.773579464	6.97E-13
peak_19191	chr8	19864131	19864810	2586	intron (NM_205637, intron 1 of 19)	NM_205637	rgl1	7.417553794	4.644411157	2.773142637	2.62E-05
peak_21026	chr11	31147217	31147562	17967	exon (NM_001114730, exon 12 of 20)	NM_001114730	ppef1	5.781828232	3.00995386	2.771874372	6.80E-05
peak_16203	chr9	15297203	15297453	403543	Intergenic	NM_131520	fn1a	5.795397703	3.023547977	2.771849725	4.30E-06
peak_29140	chr5	15681696	15682503	260685	Intergenic	NM_001171697	npffr1l2	7.311825665	4.540289115	2.77153655	0.00158
peak_13209	chr17	3918207	3918730	-61192	intron (NM_001020655, intron 9 of 9)	NM_001083542	hao1	8.011477481	5.24020645	2.771271031	4.25E-07
peak_30000	chr3	39411760	39412099	71335	Intergenic	NM_001003526	zgc:100868	6.120809884	3.349617293	2.771192592	0.002025
peak_26343	chr13	42641832	42642201	-22250	Intergenic	NM_001145708	cyp1b1	6.128390782	3.357211482	2.7711793	0.000619
peak_19353	chr7	12907628	12907962	-23202	Intergenic	NM_001080993	mex3b	6.158937711	3.387844541	2.771093169	2.85E-05
peak_3825	chr1	554441	557314	-10272	intron (NM_201027, intron 1 of 11)	NM_200393	ildr1a	10.4368311	7.665773782	2.771057316	5.56E-14
peak_18530	chr3	24543134	24543464	31650	Intergenic	NM_001037381	zgc:123244	6.364665668	3.593787794	2.770877873	1.81E-05
peak_11500	chr16	12026612	12027055	3821	intron (NM_205636, intron 5 of 7)	NM_205636	ino80e	6.43664815	3.666316962	2.770331188	8.22E-08
peak_5211	chr24	4266661	4267281	-40379	Intergenic	NM_201461	klf6a	9.150501508	6.380328675	2.770172833	3.87E-12
peak_14817	chr5	69814726	69815009	2892	exon (NM_001007766, exon 2 of 14)	NM_001007766	stip1	5.820948015	3.050968974	2.769979041	1.59E-06
peak_11746	chr5	17025406	17026004	-38281	Intergenic	NM_001013508	gnb1l	8.593819778	5.824187007	2.769632771	1.03E-07
peak_7687	chr4	6783146	6783798	14232	TTS (NM_001030108)	NM_001030108	elk3	7.746763195	4.977166926	2.769596269	5.84E-10
peak_14665	chr6	11581974	11582361	-89563	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	6.448557844	3.679129014	2.76942883	1.42E-06
peak_6352	chr15	8783137	8784095	-119408	Intergenic	NM_213155	ap2s1	8.443120736	5.673729557	2.769391179	5.04E-11
peak_16295	chr24	14204857	14205284	60735	intron (NM_131777, intron 1 of 21)	NM_131777	ncoa2	7.49094442	4.721758565	2.769185855	4.57E-06
peak_23337	chr18	32183170	32183802	24495	Intergenic	NM_001128247	LOC562852	4.672047571	1.903219283	2.768828288	0.000193
peak_22393	chr16	43616697	43617586	-2915	Intergenic	NM_131442	gbp	7.647496317	4.878885104	2.768611213	0.00013
peak_24341	chr20	28758677	28759792	34731	intron (NM_001281792, intron 1 of 20)	NM_001281792	sipa1l1	8.411808458	5.643264259	2.768544199	0.000298
peak_12195	chr13	11269013	11269440	3279	intron (NM_001003532, intron 1 of 4)	NM_001003532	desi2	7.270877239	4.502487724	2.768389516	1.63E-07
peak_18046	chr7	42183844	42184180	-52381	Intergenic	NM_001077256	rnf32	5.786217298	3.018173908	2.76804339	1.40E-05
peak_20145	chr22	33562737	33563011	100167	Intergenic	NM_001040377	zgc:136895	5.645863401	2.878106199	2.767757202	4.46E-05
peak_24540	chr16	19527521	19527864	111589	Intergenic	NM_001042695	casp2	5.911972541	3.144309129	2.767663412	0.000322
peak_20074	chr12	7962147	7962831	-9363	Intergenic	NM_001109828	zgc:171971	7.615717928	4.848469465	2.767248462	4.31E-05
peak_25828	chr15	26305046	26305286	28334	intron (NM_200622, intron 7 of 24)	NM_200622	bcas3	5.271597171	2.504399457	2.767197714	0.000518
peak_16482	chr2	37043103	37044075	27668	Intergenic	NM_001128817	gpr160	9.226993881	6.459970159	2.767023722	5.20E-06
peak_32574	chr20	7557247	7559362	55949	Intergenic	NM_001256637	dsg2	2.986785331	0.219835396	2.766949936	0.003954
peak_32576	chr5	69783348	69783902	34134	Intergenic	NM_001007766	stip1	2.986785331	0.219835396	2.766949936	0.003954
peak_32575	chr4	56020742	56021289	407063	Intergenic	NM_001111199	zgc:173710	2.986785331	0.219835396	2.766949936	0.003954
peak_6707	chr4	23375394	23375829	-476102	Intergenic	NM_194401	celf2	7.531527103	4.764659806	2.766867297	1.00E-10
peak_21357	chr15	3517781	3518591	-76843	Intergenic	NM_001080055_1		7.493013558	4.72663662	2.766376938	7.96E-05
peak_28056	chr20	47090244	47090754	-30632	Intergenic	NM_001128678	esrrgb	7.536753106	4.770511959	2.766241147	0.001122
peak_11495	chr11	5841134	5841482	-35902	Intergenic	NM_001199912	ndufs7	6.140943814	3.374906273	2.76603754	8.18E-08
peak_20713	chr12	36631428	36632146	-199875	Intergenic	NM_001256248	tbccl	7.549283568	4.783822479	2.76546109	5.88E-05
peak_5540	chr7	32408953	32409879	-142807	Intergenic	NM_001013468	zgc:111992	9.686077408	6.921170107	2.764907301	8.45E-12
peak_15050	chr22	3445344	3445725	-117516	Intergenic	NM_001285535	tbxa2r	5.648933875	2.884075353	2.764858522	1.88E-06
peak_16380	chr12	15057220	15057723	14757	intron (NM_001128666, intron 8 of 9)	NM_199783	klhl11	6.226989601	3.462243981	2.76474562	4.83E-06
peak_24063	chr7	67071778	67072090	89029	Intergenic	NM_200905	ipo7	3.65197232	0.887237959	2.764734362	0.000264
peak_9651	chr24	35144180	35144446	79353	exon (NM_214789, exon 2 of 9)	NM_001080705	atg9b	6.354997352	3.590949902	2.76404745	1.02E-08
peak_23010	chr13	26591142	26592109	-336213	Intergenic	NM_212982	fancl	8.183616582	5.419707126	2.763909456	0.00017
peak_22520	chr24	1475798	1476056	16735	Intergenic	NM_001113644_4	zgc:172101	5.518008373	2.754147101	2.763861273	0.000136
peak_6241	chr23	18003174	18003811	-6413	Intergenic	NM_201448	prim1	9.66183091	6.898066824	2.763764086	4.07E-11
peak_7450	chr1	57157404	57158168	148252	Intergenic	NM_001109838	zgc:171452	8.048315854	5.285136135	2.763179719	3.99E-10
peak_21182	chr20	10378994	10379273	-73319	Intergenic	NM_130910	meis2b	5.518008373	2.755606964	2.76240141	7.36E-05
peak_15835	chr8	8236928	8237231	37250	Intergenic	NM_200599	cxxc1l	5.605235529	2.843310798	2.761924731	3.35E-06
peak_19076	chr6	18383011	18383461	122481	intron (NM_001089402, intron 2 of 14)	NM_001089402	usp43a	6.963202128	4.201764421	2.761437707	2.47E-05
peak_6316	chr24	29833658	29834107	-18106	Intergenic	NM_001083844	col11a1a	7.473316817	4.711916249	2.761400568	4.67E-11
peak_21781	chr19	30313283	30314521	-54091	Intergenic	NM_001102573	ctgfb	4.125874362	1.364650599	2.761223763	9.80E-05
peak_10525	chr8	45523332	45524461	93316	intron (NM_001007032, intron 5 of 44)	NM_001007032	ncor2	8.631978208	5.871004845	2.760973364	2.79E-08
peak_20443	chr11	976562	976993	34855	intron (NM_212882_3, intron 6 of 8)	NM_001007362	slc6a1b	5.603879949	2.843128234	2.760751716	5.16E-05
peak_12969	chr18	44383265	44383662	4178	exon (NM_201026, exon 6 of 14)	NR_039360		6.696868089	3.93614498	2.760723109	3.40E-07
peak_15698	chr1	6528357	6528755	12503	intron (NM_001009891, intron 8 of 10)	NM_001009891	lancl1	6.447046674	3.68665659	2.760390084	3.05E-06
peak_20996	chr21	18715781	18716264	27753	Intergenic	NM_001020614	eri1	7.439683349	4.679385411	2.760297938	6.68E-05
peak_12477	chr16	44430159	44430550	89239	Intergenic	NM_001099430	aste1	6.656594306	3.896407568	2.760186738	2.14E-07
peak_21919	chr2	35635195	35635791	34060	intron (NM_173277, intron 1 of 27)	NM_173277	lamc1	6.705357224	3.94533791	2.760019314	0.000105
peak_7948	chr12	36547744	36548160	-116040	Intergenic	NM_001256248	tbccl	7.402933264	4.643285	2.759648264	8.78E-10
peak_6376	chr6	16501392	16501861	-90349	Intergenic	NM_001129823	psmb3	7.645088352	4.885726059	2.759362294	5.25E-11
peak_4450	chr18	32111969	32113002	65362	Intergenic	NM_001083877	olfcq19	8.51890072	5.760564206	2.758336514	4.66E-13
peak_15863	chr19	34394947	34395293	40325	intron (NM_001044847, intron 2 of 18)	NM_001044847	spire1a	6.640338389	3.882011577	2.758326812	3.42E-06
peak_9909	chr17	8216234	8216776	-63566	Intergenic	NM_130961	lft2	6.677402572	3.919486948	2.757915625	1.42E-08
peak_19987	chr19	24427062	24427537	9375	intron (NM_001044923, intron 1 of 10)	NM_001044923	si:dkey-222b8.1	7.252657886	4.494747469	2.757910416	4.09E-05
peak_25123	chr11	2044459	2044827	2726	intron (NM_001083310, intron 3 of 6)	NM_001083310	rargb	4.835289348	2.077505579	2.757783769	0.000405
peak_20069	chr7	50158147	50158524	25954	intron (NM_001128239, intron 23 of 23)	NM_001128239	trpm5	6.463861277	3.706086238	2.757775039	4.29E-05
peak_28373	chr6	37510426	37510851	32907	intron (NM_001030077, intron 12 of 16)	NM_001030077	slc9a7	5.982659603	3.225316086	2.757343516	0.001236
peak_9622	chr23	33740928	33741428	30651	intron (NM_001004288, intron 1 of 29)	NM_001004288	itga5	8.295795282	5.538567184	2.757228098	9.86E-09
peak_27085	chr16	11926470	11926830	6638	intron (NM_201456, intron 2 of 12)	NM_201456	flot1b	6.259578266	3.502772715	2.756805551	0.0008
peak_13055	chr18	32934020	32935273	-7100	Intergenic	NM_001045019	tiparp	8.370593701	5.61427533	2.756318371	3.73E-07
peak_29313	chr2	17576410	17576720	23216	intron (NM_001083576, intron 1 of 32)	NM_001083576	ptprfb	5.420523517	2.664237834	2.756285684	0.001673
peak_7223	chr22	2420298	2422148	-25711	Intergenic	NM_001100096	si:ch73-138e16.2	9.673261629	6.91723405	2.756027578	2.69E-10
peak_12018	chr3	43636589	43637209	3143	intron (NM_001002044, intron 1 of 2)	NM_001002044	mafk	7.87207178	5.116495301	2.755576479	1.36E-07
peak_30184	chr24	34778419	34778806	81852	Intergenic	NM_001008621	zgc:101800	5.5223201	2.766967388	2.755352713	0.002135
peak_4121	chr3	22593108	22594111	-14486	Intergenic	NM_207640	ifnphi1	8.912920079	6.157590771	2.755329308	1.51E-13
peak_6682	chr5	2655740	2656423	-134881	Intergenic	NM_213058	hspa5	8.065280506	5.309956872	2.755323633	9.50E-11
peak_7945	chr15	31367586	31368084	-127621	Intergenic	NM_001005935	arfip2a	7.843094075	5.087815686	2.755278389	8.75E-10
peak_4343	chr6	20133699	20134616	55660	Intergenic	NM_001002216	gadd45ab	10.23312404	7.478406665	2.754717377	3.12E-13
peak_21231	chr2	56895102	56895618	10010	intron (NM_001045453, intron 2 of 7)	NR_105069		6.964776808	4.210110526	2.754666282	7.50E-05

peak_17723	chr19	393627	394411	-4407	Intergenic	NM_001045301	tnfaip8l2a	7.091049431	4.3364483	2.754601132	1.15E-05
peak_21460	chr16	17476927	17477568	81107	intron (NM_001002175, intron 5 of 7)	NM_001002175	sntb1	7.771282443	5.017029294	2.754253148	8.37E-05
peak_30208	chr10	124166	124884	6481	TTS (NM_001008616)	NM_001102623	zgc:171929	5.520884289	2.766967388	2.753916902	0.002149
peak_13845	chr22	40234042	40234390	101468	Intergenic	NM_213118	sox2	5.405529105	2.652109354	2.753419752	7.38E-07
peak_28782	chr6	48351469	48352009	6694	intron (NM_201150, intron 1 of 4)	NM_201150	rhoae	6.315159013	3.561838611	2.753320402	0.001412
peak_33629	chr16	20202229	20202969	-290695	Intergenic	NM_131238	rxrbb	5.81668626	3.064134132	2.752552127	0.005063
peak_16247	chr10	22952225	22952551	4908	intron (NM_001030178, intron 4 of 13)	NM_001030178	kdm6bb	5.923268931	3.170845099	2.752423833	4.40E-06
peak_9056	chr19	38702013	38702645	1004	TTS (NM_001044823)	NM_001044823	cx39.4	7.705760098	4.953644291	2.752115807	4.58E-09
peak_17570	chr2	32887419	32887901	-19843	Intergenic	NM_001076570	rnf220a	6.213389671	3.461533332	2.75185634	1.03E-05
peak_33522	chr19	37144465	37145043	-187	promoter-TSS (NM_001082901)	NM_001082901	col8a2	6.84606484	4.094225303	2.751839538	0.004944
peak_25232	chr13	50400143	50400460	22619	Intergenic	NM_199981	irf2bp2a	5.977783805	3.226330454	2.751453351	0.00042
peak_27629	chr5	689380	689858	-101116	Intergenic	NM_001045284_1	thap1	6.548696564	3.797248988	2.751447576	0.000969
peak_15456	chr8	55608946	55609360	-4300	Intergenic	NM_131556	fgd	5.889831022	3.138546192	2.75128483	2.53E-06
peak_8698	chr21	14548772	14549339	-126587	Intergenic	NM_131840	tnfrsfa	8.26058228	5.509533921	2.751048359	2.72E-09
peak_25225	chr19	48604045	48604812	78331	Intergenic	NM_001003986	abrab	3.653720264	0.902938058	2.750782206	0.000419
peak_24669	chr9	18528171	18528640	-228767	Intergenic	NM_001128338	vwa8	7.397443923	4.647667757	2.749776166	0.000341
peak_18170	chr13	24334173	24334497	87368	intron (NM_001128351, intron 3 of 15)	NM_001145605	pgbd5	4.722150645	1.972678992	2.749471654	1.50E-05
peak_31102	chr18	23182375	23182646	207929	Intergenic	NM_131301	mef2aa	5.670296518	2.92106235	2.749234168	0.002687
peak_21273	chr21	4330054	4330428	12083	intron (NM_131441, intron 3 of 22)	NM_131441	notch1a	7.328512809	4.579516429	2.748996381	7.63E-05
peak_12075	chr16	17373318	17373702	19022	intron (NM_001020534, intron 6 of 6)	NM_001020534	mrpl13	6.412514636	3.663521276	2.74899336	1.44E-07
peak_14734	chr5	58609260	58609525	2085	exon (NM_001110027, exon 2 of 6)	NM_001110027	man2a1	5.633046941	2.884436924	2.748610017	1.49E-06
peak_7679	chr10	13670326	13670868	66040	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	7.987722542	5.239198877	2.748523666	5.79E-10
peak_26536	chr4	8698461	8698964	23801	Intergenic	NM_212919	tmem243b	5.048735907	2.300427624	2.748308283	0.000661
peak_3957	chr25	5476232	5477570	28317	Intergenic	NM_001258409_1	cmasb	10.24684981	7.49886909	2.747980715	8.94E-14
peak_27055	chr1	6449864	6450203	-4916	Intergenic	NM_001128672	mxb	2.967238845	0.219835396	2.74740345	0.000791
peak_10952	chr14	4801699	4802394	-104409	Intergenic	NM_001017822_1	zgc:110204	7.507634529	4.760404173	2.747230356	4.64E-08
peak_19341	chr5	61716267	61716650	464615	Intergenic	NM_001127307	dtx2	6.649140166	3.902430395	2.74670977	2.84E-05
peak_30451	chr2	32780279	32780774	-126977	Intergenic	NM_001076570	rnf220a	6.878653314	4.132043295	2.746610019	0.002284
peak_27547	chr8	11397565	11398033	15025	intron (NM_001004579, intron 1 of 14)	NM_001004579	pip5k1bb	7.233750311	4.487162078	2.746588233	0.000941
peak_14460	chr8	45382594	45383121	1431	intron (NM_001007031, intron 2 of 3)	NM_001007031	fam101a	7.093967964	4.347932878	2.746035086	1.23E-06
peak_7953	chr16	35289877	35290607	-20049	intron (NM_001077338, intron 1 of 14)	NM_001002212	prss35	8.148798262	5.402870771	2.745927491	8.84E-10
peak_29289	chr12	37300792	37301225	-69851	Intergenic	NM_200236	unk	6.233449613	3.487543911	2.745905702	0.001658
peak_14321	chr2	12735621	12736059	-310679	Intergenic	NM_001115122	dpp6	5.829888182	3.084067633	2.745820549	1.08E-06
peak_8983	chr2	17025356	17026231	22903	Intergenic	NM_001281996	ptger4c	8.342835926	5.597047877	2.745788048	4.09E-09
peak_5835	chr5	37701569	37702628	128757	Intergenic	NM_001004659	zgc:103697	9.218400418	6.472638322	2.745762096	1.63E-11
peak_21745	chr19	25487618	25487874	79650	Intergenic	NM_001006014	xkr8.3	5.228749629	2.483062465	2.745687164	9.63E-05
peak_16141	chr9	53756244	53756566	185206	Intergenic	NM_001030165	Mar-04	6.704278822	3.959200831	2.745077991	4.12E-06
peak_11254	chr10	13871931	13872296	-135476	Intergenic	NM_001098242	cntfr	6.818818711	4.074010833	2.744807878	6.36E-08
peak_9973	chr9	40464320	40464845	-406973	Intergenic	NM_200000	myl1	7.431420647	4.686799171	2.744621476	1.52E-08
peak_21854	chr1	8651429	8652082	54034	Intergenic	NR_033478		7.448928048	4.70433498	2.744593068	0.000102
peak_5967	chr5	18823791	18824770	-312549	Intergenic	NM_001004640	atad1a	9.074422872	6.329838296	2.744584576	2.16E-11
peak_17597	chr10	8120465	8120842	13466	intron (NM_001009560, intron 1 of 55)	NM_001009560	tln1	6.270156948	3.52608773	2.744069219	1.06E-05
peak_17242	chr25	3920564	3921287	3464	intron (NM_001080081, intron 1 of 9)	NM_001080081	efcab4a	7.979619243	5.236116581	2.743502662	8.23E-06
peak_5386	chr23	7340027	7340668	45292	Intergenic	NM_212655_1	prpf6	8.41064598	5.667174635	2.743471346	5.74E-12
peak_21862	chr5	24038048	24038332	-20357	Intergenic	NR_029943		5.630360448	2.887134515	2.743225933	0.000102
peak_11526	chr10	46524676	46525555	22581	Intergenic	NM_001136487	zswim6	8.060264741	5.317183244	2.743081497	8.42E-08
peak_11384	chr11	3913953	3914959	8187	intron (NM_131233, intron 4 of 5)	NM_131233	gata2a	9.448826329	6.706334253	2.742492076	7.35E-08
peak_13650	chr23	15296041	15296386	144999	Intergenic	NM_001003833	sulf2b	6.5184741	3.776536278	2.741937822	6.31E-07
peak_6459	chr9	9968650	9969727	-76532	exon (NM_001039621, exon 8 of 11)	NM_131381	gsk3b	8.630200469	5.888320039	2.74188043	6.19E-11
peak_20253	chr5	48148625	48148909	-32122	Intergenic	NM_001007790	hapln1a	6.330024643	3.588661594	2.741363049	4.71E-05
peak_10140	chr12	12094761	12095360	-91761	Intergenic	NM_131406	raraa	8.418340178	5.677358948	2.74098123	1.83E-08
peak_6018	chr18	31319253	31320004	-45482	Intergenic	NM_001007395_2	def8	8.655889052	5.914979191	2.740909861	2.46E-11
peak_26425	chr1	405159	405531	-2210	3' UTR (NM_001007764, exon 6 of 6)	NM_199915	mrpl39	5.399812076	2.659088343	2.740723733	0.000636
peak_8874	chr4	27186758	27187174	6845	exon (NM_214799, exon 3 of 14)	NM_214799	tbc1d22a	7.346909015	4.606435496	2.740473519	3.50E-09
peak_18679	chr4	4430561	4430949	-22855	Intergenic	NM_001130792	zgc:194209	6.306541514	3.566456911	2.740084603	1.97E-05
peak_14487	chr15	24960057	24960382	-9914	Intergenic	NM_001037370	tsr1	6.837428146	4.097442225	2.739985921	1.25E-06
peak_6527	chr21	33248676	33249695	-21584	Intergenic	NM_001031838	alg13	8.974674144	6.234870962	2.739803182	7.09E-11
peak_10537	chr17	37610170	37610840	31646	Intergenic	NM_213497	crip2	7.15738045	4.41801822	2.73936223	2.84E-08
peak_23286	chr8	41187297	41187584	-129066	Intergenic	NM_001083829_1	pcsk5b	4.453067239	1.713875669	2.73919157	0.000189
peak_14805	chr16	9997252	9997724	-33659	Intergenic	NM_001289913	cobl	6.93339868	4.194270826	2.739127854	1.58E-06
peak_26890	chr15	17683413	17684189	-57632	Intergenic	NM_001113552	cadm1b	2.958780025	0.219835396	2.738944629	0.000751
peak_9755	chr5	37414627	37415384	10873	intron (NM_001126477, intron 1 of 13)	NM_001126477	stard8	8.786685758	6.048681747	2.738004011	1.17E-08
peak_18428	chr5	46516880	46517370	-46368	Intergenic	NM_205628	dmrt1	7.701529121	4.963827147	2.737701975	1.72E-05
peak_25850	chr16	9702761	9703177	-59888	Intergenic	NM_213342	ddc	6.349599683	3.611914517	2.737685166	0.000522
peak_10769	chr15	19251108	19251844	50665	Intergenic	NM_001077250	spint2	9.336718535	6.599277537	2.737440999	3.74E-08
peak_15581	chr17	36093786	36094132	-35224	Intergenic	NM_131336	sox11a	6.540898086	3.803497669	2.737400417	2.76E-06
peak_13194	chr20	4349608	4350336	92978	Intergenic	NM_001076758	zgc:154018	8.389313175	5.65207599	2.737237185	4.21E-07
peak_19696	chr16	58009494	58010312	22031	intron (NM_200561_2, intron 5 of 10)	NM_200561_2	fzd6	4.319278758	1.58207124	2.737207518	3.46E-05
peak_7293	chr16	40218776	40219626	-305070	Intergenic	NM_001037432	zgc:123285	8.663573284	5.92651006	2.737063224	3.05E-10
peak_25107	chr13	28677581	28677878	36821	Intergenic	NM_001162541	slc2a15a	3.782603938	1.045780477	2.736823461	0.000403
peak_22799	chr8	49980701	49980994	17582	Intergenic	NM_001003436	ndufa7	5.464622827	2.727835404	2.736787423	0.000154
peak_11670	chr17	34565397	34566260	154353	Intergenic	NM_199569	eif2s1a	8.672139648	5.93567094	2.736468707	9.57E-08
peak_20786	chr15	20804069	20804317	35309	Intergenic	NM_001089487	zgc:162608	5.752717704	3.016700645	2.736017059	6.08E-05
peak_14710	chr22	32004362	32004767	-190490	Intergenic	NM_205574	pvalb7	5.123984162	2.388082529	2.735901633	1.47E-06
peak_10194	chr11	8275576	8276092	-1	promoter-TSS (NM_201023)	NM_201023	prkacba	7.271044506	4.535881564	2.735162942	1.94E-08
peak_25000	chr11	45596515	45597298	27911	Intergenic	NM_214752	irf2bp2b	6.203876874	3.468723696	2.735153178	0.000388
peak_7821	chr23	15274057	15274444	-126447	Intergenic	NM_001004114	phf20b	7.188541037	4.453483756	2.735057281	7.21E-10
peak_4925	chr18	21925828	21926900	36182	Intergenic	NM_001080629	zgc:158868	9.651729309	6.917410923	2.734318386	1.83E-12
peak_22498	chr6	12609971	12610568	-110307	Intergenic	NM_198064	slc15a1b	7.441462621	4.707337003	2.734125618	0.000135
peak_14167	chr8	19851845	19852232	15018	intron (NM_205637, intron 1 of 19)	NM_205637	rgl1	6.545155778	3.811041442	2.734114336	9.63E-07
peak_23864	chr20	25441939	25442232	-297	promoter-TSS (NM_001144800)	NM_001144800	itsn2a	5.257297515	2.524155811	2.733141704	0.000244
peak_15625	chr22	16757074	16757769	-136	promoter-TSS (NM_213237)	NM_213237	tal1	8.458794117	5.725737115	2.733057001	2.85E-06
peak_7261	chr5	12686543	12687316	190967	Intergenic	NM_001020677	zgc:112294	8.793355865	6.060484939	2.732870926	2.85E-10
peak_20258	chr9	54703600	54704008	41916	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	6.768343384	4.035845727	2.732497657	4.73E-05
peak_11861	chr18	27522709	27523035	2498	intron (NM_212663, intron 1 of 9)	NM_212663	cd82b	6.216071136	3.483658888	2.732412248	1.16E-07
peak_23900	chr20	36229371	36229641	-97672	Intergenic	NM_001030185	ptchd4	5.158937711	2.426527409	2.732410302	0.000246
peak_18907	chr17	12803306	12804077	-2386	Intergenic	NM_199629	nfkbiab	8.804939598	6.07311162	2.731827978	2.25E-05
peak_14653	chr24	1238842	1239347	91891	intron (NM_181497, intron 5 of 16)	NM_181497	nrp1a	8.08319288	5.351393393	2.731799487	1.41E-06
peak_17967	chr23	15985775	15986097	96329	Intergenic	NM_001002371	eef1a2	4.584740136	1.853094774	2.731645362	1.34E-05
peak_23066	chr18	34089250	34090018	6960	intron (NM_001044862, intron 1 of 15)	NM_001044862	rasgrp4	7.815487094	5.084099088	2.731388007	0.000174
peak_5695	chr11	45583331	45583951	14646	Intergenic	NM_214752	irf2bp2b	8.205814244	5.474854013	2.730960231	1.19E-11
peak_22197	chr18	14833344	14833743	21634	Intergenic	NM_213141	tmem263	3.92580277	1.19500324	2.73079953	0.000118
peak_16881	chr13	48882603	48882924	-96443	Intergenic	NM_001098262	zmp:000000113	6.312102393	3.581347466	2.730754927	6.61E-06
peak_21666	chr20	37800847	37801345	15995	Intergenic	NM_200228	pex3	6.585400424	3.854704271	2.730696153	9.26E-05
peak_21805	chr2	11434024	11434324	5851	intron (NM_001037568, intron 2 of 5)	NM_001037568	impad1	6.214295563	3.4840012	2.730294363	9.94E-05
peak_22845	chr23	4103813	4104549	31205	exon (NM_001045332, exon 2 of 9)	NM_001045332	b4galt5	7.582650403	4.852554866	2.730095538	0.000157
peak_14455	chr4	10097009	10097598	-8209	Intergenic	NM_001130603	tmtc2	7.469965181	4.74046719	2.729497991	1.22E-06
peak_7686	chr11	613926	614709	-31047	intron (NM_131467, intron 5 of 8)	NM_001076651	tsen2	7.442362496	4.71329781	2.729064686	5.83E-10
peak_20283	chr4	30454642	30454963	508374	intron (NM_001114900_1, intron 9 of 10)	NM_001114702	zgc:174710	5.360658081	2.632403541	2.728254539	4.80E-05
peak_23143	chr3	18837779	18838081	184398	Intergenic	NM_001089553	rfx1a	5.657696229	2.929675361	2.728020868	0.00018
peak_7818	chr3	8874632	8875787	-5295	Intergenic	NM_001014360	zgc:113250	8.361511738	5.633838644	2.727673093	7.20E-10
peak_7232	chr5	17100797	17101282	-21044	Intergenic	NM_213323	pebp1	7.411231104	4.684236378	2.726994726	2.72E-10
peak_23486	chr10	12783415	12783830	296505	Intergenic	NM_001114892	musk	4.431832417	1.704947384	2.726885033	0.000205
peak_8522	chr2	42074006	42074659	-30569	Intergenic	NM_001113508	ebi3	8.74256326	6.015764513	2.726798747	2.16E-09
peak_16128	chr20	26915953	26916365	5676	exon (NM_001002653, exon 7 of 7)	NM_001002653	serpinb1	6.64960376	3.923794201	2.725809559	4.08E-06

peak_23270	chr14	18073852	18074368	130333	Intergenic	NM_199714	rraga	4.535233816	1.809570633	2.725663183	0.000188
peak_9082	chr21	32162459	32162918	-116338	Intergenic	NM_213214	rbm22	6.81685853	4.091702603	2.725155927	4.70E-09
peak_23766	chr9	13082660	13083222	-40445	Intergenic	NM_001122856	glb1l	6.731491374	4.006556195	2.724935179	0.000233
peak_5920	chr15	34916013	34916699	-284578	Intergenic	NM_001017614	rhbdd1	8.111118375	5.386411422	2.724706953	1.98E-11
peak_6606	chr10	34011537	34012115	-114827	Intergenic	NM_001017871	myl10	8.066689592	5.342088729	2.724600863	8.21E-11
peak_17932	chr23	44259642	44259910	-20570	Intergenic	NM_214728	dlg4b	5.30933272	2.585448347	2.723884373	1.31E-05
peak_17157	chr19	32535072	32535380	52022	Intergenic	NM_200318	arl4ab	6.473571459	3.749757992	2.723813467	7.78E-06
peak_25246	chr20	37353021	37353316	27826	intron (NM_213140, intron 2 of 7)	NM_213140	vta1	5.928693146	3.205032685	2.723660461	0.000424
peak_18041	chr16	39027524	39028148	-176889	Intergenic	NM_001200061	LOC100005807	7.145755804	4.422130291	2.723625513	1.39E-05
peak_14697	chr5	69839946	69840241	-22334	Intergenic	NM_001007766	stip1	5.748201508	3.024613262	2.723588246	1.46E-06
peak_22340	chr16	31310304	31310897	57136	intron (NM_131317, intron 9 of 9)	NM_001199720	LOC555692	7.806757293	5.083232805	2.723524488	0.000127
peak_22434	chr12	28608697	28609019	-6796	Intergenic	NM_213517	bc2	6.131530147	3.408385085	2.723145063	0.000132
peak_16464	chr16	19324220	19324490	-4596	Intergenic	NM_001040337	zgc:136360	5.883886149	3.160965753	2.722920396	5.14E-06
peak_14227	chr12	29438228	29438611	331161	Intergenic	NM_131425	etv4	6.497428915	3.774839139	2.722589776	1.00E-06
peak_16383	chr15	21179280	21179741	-49609	Intergenic	NM_001079680	spa17	7.029462491	4.307123691	2.7223388	4.85E-06
peak_22296	chr14	24133	25094	15482	Intergenic	NM_178132	nkx3.2	7.715453054	4.993436136	2.722016918	0.000125
peak_22241	chr17	17050024	17050480	227800	intron (NM_001080009, intron 18 of 23)	NM_001080009	nrxn3a	7.124762856	4.403309197	2.721453659	0.000121
peak_10393	chr20	46800939	46801385	4259	Intergenic	NM_205569	fos	7.458606642	4.737415516	2.721191126	2.42E-08
peak_6620	chr17	1180049	1180658	16	promoter-TSS (NM_001002412)	NM_001002412	zfyve19	7.221098688	4.500014738	2.721083951	8.52E-11
peak_15801	chr8	26192131	26192580	-3232	Intergenic	NM_001005960	atp5f1	7.284520728	4.563517701	2.721003027	3.28E-06
peak_16298	chr2	47350251	47350651	172172	Intergenic	NM_001145932	acsl3b	7.173353982	4.452584302	2.72076968	4.58E-06
peak_17569	chr12	50503101	50503492	-31880	intron (NM_001291882, intron 2 of 3)	NM_001039837_1		5.679359557	2.958700638	2.720658919	1.03E-05
peak_21999	chr20	8501028	8501405	95833	intron (NM_001040685, intron 1 of 25)	NM_001040685	dab1a	5.931958922	3.211334319	2.720624603	0.000109
peak_11492	chr3	1434829	1435503	-16658	intron (NM_001258319_1, intron 5 of 10)	NM_001258236	dicp1.17	7.168309818	4.447722161	2.720587657	8.15E-08
peak_24449	chr18	49609658	49610293	-32023	Intergenic	NM_001001729	rap2b	6.825801383	4.105298701	2.720502683	0.00031
peak_13688	chr3	6599719	6601207	-36469	Intergenic	NM_001089460	pkn1b	8.573540846	5.853545418	2.719995429	6.51E-07
peak_14510	chr14	40916489	40917106	-389237	Intergenic	NM_131782	glra4a	7.682038497	4.962378098	2.7196604	1.27E-06
peak_19458	chr5	57092013	57092383	56323	intron (NM_001197161, intron 16 of 17)	NM_001197161	ntrk2b	6.286932526	3.567275143	2.719657383	3.01E-05
peak_27390	chr14	27494621	27494986	12491	intron (NM_131368, intron 2 of 7)	NM_131368	smad5	6.220500532	3.501008416	2.719492116	0.000889
peak_27156	chr4	48713889	48714223	928472	Intergenic	NM_001122615	zgc:174646	4.083555619	1.364650599	2.71890502	0.000819
peak_7133	chr3	11846729	11847590	29072	intron (NM_001077334, intron 2 of 3)	NM_001077334	hlfa	9.927753281	7.208998233	2.718755048	2.23E-10
peak_16714	chr12	3175786	3176035	-34161	Intergenic	NM_001171589	gdf10b	5.728799148	3.010094367	2.718704781	6.00E-06
peak_26872	chr17	32789633	32789976	12462	intron (NM_001076587, intron 1 of 3)	NM_001076587	eva1a	6.082639472	3.364541692	2.71809778	0.000746
peak_9592	chr7	17192467	17193067	78553	intron (NM_001017735, intron 4 of 6)	NM_001017735	mpped2a	8.18233049	5.464369842	2.717960648	9.51E-09
peak_7186	chr19	26420152	26420641	-36269	Intergenic	NM_001202459	jarid2b	7.774416375	5.056731524	2.717684851	2.45E-10
peak_25923	chr22	17920013	17920470	-7376	Intergenic	NM_201494	tjp3	6.050746591	3.33318629	2.717560301	0.000537
peak_10429	chr22	37477649	37478133	-12955	Intergenic	NM_001202416	terf2ip	7.221696597	4.50422792	2.717468677	2.52E-08
peak_10645	chr20	52335656	52335980	164011	Intergenic	NM_001045274	taf1a	6.469330517	3.752311432	2.717019085	3.30E-08
peak_12183	chr13	43304807	43305235	21938	intron (NM_199479, intron 3 of 12)	NM_199479	lrrfip2	6.848547074	4.131784193	2.716762881	1.60E-07
peak_9862	chr12	33304548	33304982	1149	intron (NM_212770, intron 1 of 8)	NM_212770	cpn1	6.671159724	3.954768307	2.716391417	1.34E-08
peak_22595	chr5	60519807	60520245	18764	Intergenic	NM_001002701	tmem136b	3.776199364	1.059854605	2.716344758	0.000141
peak_21859	chr8	27726894	27727385	6091	intron (NM_001004554, intron 1 of 4)	NM_001004554	rimkla	7.215618819	4.499276421	2.716342398	0.000102
peak_32741	chr14	51827193	51827456	104992	intron (NM_001017782_1, intron 14 of 17)	NM_001017782_1	dctn4	2.935977657	0.219835396	2.716142262	0.004126
peak_17827	chr16	49512726	49513149	-10998	Intergenic	NM_001111235	rpz3	7.201471412	4.485447197	2.716024216	1.22E-05
peak_8159	chr19	46811511	46812219	-54866	Intergenic	NM_001083814	ptpro	7.301664197	4.586035632	2.715628565	1.24E-09
peak_22569	chr24	28168063	28168814	30085	intron (NM_131779, intron 3 of 12)	NM_131779	vipr2	7.902144945	5.186631708	2.715513238	0.00014
peak_8107	chr10	12284661	12285148	-149677	Intergenic	NM_001004502	lpar1	7.391817982	4.67695296	2.714865022	1.15E-09
peak_26985	chr7	22794338	22794689	-161471	Intergenic	NM_001077144	tmem88b	5.745745195	3.03104667	2.714698524	0.000775
peak_3322	chr4	59630972	59631763	-32470	Intergenic	NM_001199134	ptprb	10.29670042	7.582032373	2.714668046	7.47E-15
peak_8669	chr24	1283858	1284694	46709	intron (NM_181497, intron 2 of 16)	NM_181497	nrp1a	8.073734169	5.359087803	2.714646366	2.59E-09
peak_22380	chr7	37420041	37420347	-255251	Intergenic	NM_001045227	irx5a	5.615612369	2.901022276	2.714590093	0.000129
peak_4108	chr1	12859769	12861381	-7677	Intergenic	NM_199219	elf2b	10.07716338	7.362581655	2.714581724	1.45E-13
peak_14578	chr14	20987587	20988009	-170053	Intergenic	NM_152963	fmr1	6.374784131	3.660215339	2.714568792	1.32E-06
peak_16898	chr7	59301936	59302390	41733	intron (NM_001006063, intron 1 of 6)	NM_001006063	ank2b	5.626805269	2.912327186	2.714478082	6.66E-06
peak_19241	chr17	50106550	50107245	44296	Intergenic	NM_001111221	zgc:171599	7.076750336	4.36252597	2.714224366	2.69E-05
peak_10415	chr16	36968466	36968750	-95781	Intergenic	NM_183345	paqr7b	5.897986938	3.184277862	2.713709075	2.48E-08
peak_18159	chr8	55015908	55016685	-28167	Intergenic	NM_001172402	LOC100359374	8.52250994	5.809063787	2.713446153	1.49E-05
peak_9114	chr18	4982125	4982780	3080	exon (NM_131879, exon 5 of 7)	NM_212779		6.866047623	4.152987364	2.713060259	4.93E-09
peak_13460	chr5	55516031	55516425	277438	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	6.593431353	3.880435589	2.712995764	5.37E-07
peak_18980	chr21	41566054	41567011	10495	intron (NM_214716, intron 6 of 18)	NM_214716	hspa4a	6.818818711	4.10591495	2.712903761	2.35E-05
peak_16025	chr19	30278171	30278550	-18549	Intergenic	NM_001102573	ctgfb	6.293971042	3.581124427	2.712846615	3.84E-06
peak_31334	chr7	60609957	60610428	21964	exon (NM_001042686, exon 8 of 13)	NM_173248	cct7	6.370257652	3.658438449	2.711819204	0.002869
peak_23411	chr13	51659889	51660214	37697	intron (NM_001014817_1, intron 4 of 4)	NM_001014817_1	dntt	4.42564779	1.713875669	2.711772121	0.000199
peak_21866	chr9	26772696	26773009	-36326	Intergenic	NM_001135104	zeb2a	5.652460506	2.940755142	2.711705364	0.000102
peak_6884	chr24	39481237	39481904	-22562	Intergenic	NM_001009983	metrn	8.381217672	5.66983365	2.711384022	1.37E-10
peak_10910	chr12	47787185	47788199	15836	intron (NM_213414, intron 6 of 17)	NM_213414	exoc7	8.867654277	6.156376639	2.711277639	4.46E-08
peak_9727	chr17	3125320	3125619	-12816	Intergenic	NM_001126427	LOC569320	5.91452628	3.203322759	2.711203521	1.14E-08
peak_5355	chr14	550586	551139	-12435	intron (NM_212882, intron 9 of 12)	NM_212823	fgf2	8.311475642	5.601011552	2.71046409	5.31E-12
peak_19765	chr5	24877564	24877898	-33644	Intergenic	NM_001013350	agtr2	6.202665937	3.492709155	2.709956782	3.58E-05
peak_9314	chr21	1427796	1428378	320385	Intergenic	NM_201138	txnl1	7.496197467	4.786329321	2.709868146	6.52E-09
peak_17912	chr7	57951905	57953293	12319	Intergenic	NM_001128726	LOC565422	4.828341271	2.118691409	2.709649861	1.29E-05
peak_20728	chr20	373347	373581	23586	intron (NM_001029969, intron 3 of 13)	NM_001029969	fynb	5.225815055	2.516521918	2.709293136	5.93E-05
peak_23252	chr21	7730342	7730645	13753	intron (NM_001033720, intron 1 of 8)	NM_001033720	nr6a1b	5.802922716	3.094153284	2.708769432	0.000187
peak_10400	chr9	8109748	8110521	-328448	Intergenic	NM_001109720	zgc:171776	9.814433244	7.105663847	2.708769397	2.43E-08
peak_36589	chr14	47392526	47393099	-95099	intron (NM_001076572, intron 1 of 9)	NM_001013347	zgc:110741	6.508607768	3.799948403	2.708659366	0.009714
peak_9232	chr7	76501442	76502578	46521	Intergenic	NM_001110109	cbln8	8.462487085	5.75394247	2.708544615	5.76E-09
peak_23454	chr13	51527130	51527792	13392	intron (NM_212838, intron 2 of 22)	NM_212838	blnk	7.499245762	4.790894464	2.708351298	0.000202
peak_19451	chr16	28410086	28410341	72982	intron (NM_001044848, intron 14 of 20)	NM_001044848	arhgef1b	4.991020297	2.283047272	2.707973026	3.00E-05
peak_40981	chr22	25129384	25131314	-56374	Intergenic	NR_102278		6.866080609	4.158335144	2.707745465	0.02123
peak_28649	chr23	31569131	31569567	42037	Intergenic	NM_001243176	hmgn3	6.067909549	3.360699626	2.707209924	0.001348
peak_28682	chr13	28784753	28784992	-19124	3' UTR (NM_131521, exon 9 of 9)	NM_001044333	wbp1la	5.438408983	2.731297736	2.707111247	0.001362
peak_10620	chr17	12337080	12337634	24151	intron (NM_001045342, intron 1 of 3)	NM_001045342	emilin1b	7.179308708	4.47237299	2.706935718	3.16E-08
peak_31744	chr16	39101644	39101950	-102928	Intergenic	NM_001200061	LOC100005807	5.837235881	3.130327184	2.706908697	0.003216
peak_14466	chr13	37551784	37552064	113837	Intergenic	NM_174862	esr2b	5.812343404	3.105719516	2.706623889	1.23E-06
peak_30127	chr19	37203884	37204260	-59505	Intergenic	NM_001082901	col8a2	6.234617963	3.528219403	2.70639856	0.002099
peak_32037	chr20	15904176	15904555	58530	intron (NM_001044818, intron 8 of 8)	NM_001044818	fam20b	6.365183613	3.659171601	2.706012012	0.003458
peak_33073	chr7	69395278	69396092	-87743	Intergenic	NM_001002386	kars	7.16338344	4.457380788	2.706002652	0.004472
peak_13485	chr11	37255614	37256090	5606	exon (NM_001004590, exon 3 of 3)	NM_001004590	cyb561d1	6.733570957	4.027621231	2.705949726	5.47E-07
peak_10376	chr11	24991362	24992320	-2542	Intergenic	NM_212869	trib3	8.672989182	5.967063296	2.705925887	2.36E-08
peak_5596	chr13	1589236	1589810	-134420	Intergenic	NM_001110400_1	hmgcll1	7.976202892	5.270321891	2.705881	9.81E-12
peak_22847	chr21	37419995	37420438	147382	Intergenic	NM_001080058	zgc:158291	6.881266664	4.175610629	2.705656035	0.000157
peak_6428	chr2	32777056	32777999	-129976	Intergenic	NM_001076570	rnf220a	8.86764604	6.162246678	2.705399362	5.86E-11
peak_21176	chr14	10724324	10724950	20539	Intergenic	NM_001089527	p2ry10	6.751878154	4.046495193	2.705382961	7.34E-05
peak_5503	chr16	48472758	48474018	-10823	Intergenic	NM_001115093	rgl2	9.958750198	7.253501417	2.705248782	7.68E-12
peak_7315	chr5	18569107	18569620	-57632	Intergenic	NM_001004640	atad1a	8.153593177	5.448531194	2.705061983	3.14E-10
peak_6995	chr20	1793838	1794504	25148	intron (NM_001278799, intron 1 of 49)	NM_001278799	lama2	7.67363857	4.96885645	2.70478212	1.68E-10
peak_3975	chr16	48819755	48820618	62702	Intergenic	NM_001024923	smg5	9.926399573	7.222173135	2.704226438	9.65E-14
peak_13542	chr24	3864108	3864563	307653	Intergenic	NM_001168264	wdr37	7.158313212	4.454381709	2.703931504	5.73E-07
peak_17512	chr23	26701438	26701726	61820	Intergenic	NM_001195247	si:dkey-205h13.1	5.636561009	2.932756621	2.703804388	9.85E-06
peak_24493	chr12	639689	640091	-69847	Intergenic	NM_001202506	LOC791840	5.252081089	2.548375011	2.703706077	0.000315
peak_14800	chr9	8782317	8782662	168887	Intergenic	NM_212771	rab20	5.163852432	2.460338263	2.703514169	1.57E-06
peak_23317	chr11	22345903	22346612	72055	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	7.52352249	4.820105054	2.703417436	0.000192
peak_13748	chr22	34346055	34346333	-30359	Intergenic	NM_001037661_1	slc6a6b	5.951316924	3.24826787	2.703049054	6.81E-07
peak_16823	chr24	6062071	6062766	43560	intron (NM_200738, intron 3 of 9)	NM_200738	abi1a	6.51389625	3.810975723	2.702920527	6.37E-06
peak_17745	chr9	47815883	47816413	21866	intron (NM_001126464, intron 1 of 3)	NM_001126464	igfbp2b	6.546318708	3.843998639	2.702320069	1.16E-05

peak_15703	chr8	44979947	44980273	-59442	Intergenic	NM_001004676	rassf2a	5.575060705	2.872889975	2.70217073	3.06E-06
peak_14983	chr6	51747288	51747561	14568	intron (NM_001002547, intron 6 of 6)	NM_001002547	psmf1	5.985458636	3.283447828	2.702010808	1.77E-06
peak_7252	chr3	39626187	39626716	16352	exon (NM_001020573, exon 5 of 5)	NM_001020573	grapa	8.486216924	5.784397413	2.70181951	2.82E-10
peak_4747	chr17	36128273	36129150	-69976	Intergenic	NM_131336	sox11a	9.891069548	7.189307781	2.701761767	1.08E-12
peak_21491	chr7	19752638	19753020	63081	Intergenic	NM_001127308	dtx1	6.157072391	3.45560033	2.701472062	8.48E-05
peak_17726	chr19	19879944	19880461	104310	intron (NM_001020756, intron 15 of 27)	NM_001020756	ints8	6.806058323	4.104611749	2.701446574	1.15E-05
peak_10239	chr13	48841447	48841978	-55392	Intergenic	NM_001098262	zmp:000000113	7.155068402	4.453760098	2.701308304	2.02E-08
peak_5820	chr15	21683118	21683954	51147	Intergenic	NM_001077155	nars2	9.194978822	6.493927523	2.701051299	1.57E-11
peak_14854	chr9	28913399	28913817	3900	exon (NM_001079683, exon 2 of 22)	NM_001079683	armc8	7.366539844	4.665718779	2.700821065	1.63E-06
peak_19796	chr16	42192577	42192912	44605	intron (NM_182855, intron 6 of 7)	NM_182855	tgfbr2	6.199976864	3.499274104	2.70070276	3.64E-05
peak_10641	chr20	30831802	30832325	94792	Intergenic	NM_200198	hebp2	7.207582924	4.506987409	2.700595515	3.28E-08
peak_7089	chr16	9382996	9383513	49820	intron (NM_001193327, intron 3 of 5)	NM_001193327	snrka	8.139215591	5.438670909	2.700544682	2.06E-10
peak_8451	chr15	29674861	29675878	-16431	intron (NM_001113485, intron 8 of 11)	NM_001159983	lyrm9	8.9238549	6.22345552	2.70039938	1.97E-09
peak_8671	chr15	37121690	37122200	202338	Intergenic	NM_001044799	stim1a	7.511254433	4.810936133	2.700318299	2.60E-09
peak_25451	chr16	5510511	5510906	-19585	Intergenic	NM_001013476	zgc:110255	5.945620581	3.245692924	2.699927658	0.000457
peak_12400	chr6	16279094	16279611	44660	Intergenic	NM_001002395	faimb	9.072017097	6.372302415	2.699714682	2.00E-07
peak_13528	chr1	14532506	14533190	-267740	Intergenic	NM_001020560	tusc3	8.237761719	5.538407723	2.699353996	5.67E-07
peak_14361	chr14	15599158	15599395	-167495	Intergenic	NM_001045428	rab33a	5.69389806	2.994577598	2.699320462	1.12E-06
peak_12164	chr23	51190	51591	58633	Intergenic	NM_130985	twist3	6.77982878	4.080520615	2.699308165	1.58E-07
peak_18160	chr16	33247524	33247893	56578	Intergenic	NM_001002458	dgat1b	6.32343482	3.624744523	2.698690298	1.49E-05
peak_5619	chr24	43942226	43943344	-25841	Intergenic	NM_001105106	zgc:171674	8.931058342	6.233338281	2.697720061	1.02E-11
peak_30516	chr3	37514949	37516207	50805	Intergenic	NM_201504	arf2	5.361193069	2.663703566	2.697489503	0.002319
peak_18570	chr6	59852399	59852954	-40883	Intergenic	NM_001080701	slc32a1	6.840320255	4.143300795	2.69701946	1.85E-05
peak_9067	chr3	11199411	11199841	98368	Intergenic	NM_001099249	zgc:165627	7.37624827	4.679525312	2.696722958	4.63E-09
peak_11472	chr15	42875254	42875619	-40718	Intergenic	NM_001099235	zgc:165514	7.178076964	4.481463611	2.696613354	8.03E-08
peak_30360	chr14	4860546	4860936	-163104	Intergenic	NM_001017822_1	zgc:110204	5.128354112	2.431948405	2.696405707	0.002229
peak_7610	chr16	53558635	53559800	32066	intron (NM_001003494, intron 3 of 5)	NM_001003494	ube2e2	9.286715171	6.590824422	2.69589075	5.19E-10
peak_16124	chr15	17265017	17265371	-81468	Intergenic	NM_001039638	or131-2	6.437140892	3.741462266	2.695678626	4.06E-06
peak_8010	chr1	9277273	9277716	-17064	Intergenic	NM_001135971	zgc:194355	8.186123059	5.490597248	2.695525811	9.75E-10
peak_12747	chr8	2837530	2838580	20603	Intergenic	NM_001126405	naif1	8.377835406	5.682499326	2.69533608	2.77E-07
peak_20374	chr14	18797860	18798462	56483	Intergenic	NM_001256193	slbp	7.344317046	4.649059289	2.695257757	5.03E-05
peak_30967	chr4	10586702	10587114	39023	intron (NM_001126110, intron 6 of 6)	NM_001126110	asb13a.2	6.637470398	3.942376413	2.695093985	0.002599
peak_25882	chr3	12259948	12260457	-36484	intron (NM_001076623, intron 10 of 10)	NM_001076757	pdgfab	6.836455338	4.14155983	2.694895508	0.000528
peak_4849	chr6	37483280	37484026	5922	intron (NM_001030077, intron 1 of 16)	NM_001030077	slc9a7	9.172244812	6.477355929	2.694888883	1.50E-12
peak_6678	chr3	17591669	17592149	10222	Intergenic	NM_001003433	nkiras2	7.733048328	5.038420035	2.694628293	9.38E-11
peak_12812	chr16	38394021	38394408	-1028	Intergenic	NM_001115142	snrnp48	6.477045347	3.782640001	2.694405346	2.92E-07
peak_27259	chr23	2911976	2912354	-10846	Intergenic	NM_199850	c20orf24	6.36386504	3.669800653	2.694064387	0.000852
peak_24826	chr17	16288994	16289520	24297	intron (NM_001017812, intron 4 of 5)	NM_001017812	efcab11	7.465969596	4.771959163	2.694010434	0.000363
peak_25370	chr21	21601920	21602323	60432	intron (NM_001161632, intron 1 of 39)	NM_001161632	myo5b	3.385125888	0.691124799	2.694001089	0.000444
peak_6374	chr12	3297046	3297803	54103	Intergenic	NM_131451	irbp	9.028281506	6.334557468	2.693724038	5.23E-11
peak_20570	chr5	66759691	66760085	25750	Intergenic	NM_201495	rab14	4.510311118	1.817068191	2.693242927	5.53E-05
peak_7420	chr19	38038322	38038847	-628860	Intergenic	NM_001007288	cx30.9	7.578156985	4.885202589	2.692954396	3.77E-10
peak_14417	chr23	35472910	35473262	-24721	Intergenic	NM_200133	cmtr1	6.240462523	3.547533111	2.692929412	1.17E-06
peak_28555	chr15	3555657	3556070	-39166	Intergenic	NM_001080055_1		6.525453977	3.832993548	2.692460429	0.001313
peak_11386	chr23	10396825	10397749	-36818	Intergenic	NM_200080	krt8	7.941586179	5.249481966	2.692104213	7.37E-08
peak_25985	chr16	24783019	24783494	80424	Intergenic	NM_001013495	s100t	6.744093361	4.052896346	2.691197014	0.000548
peak_19371	chr8	31524568	31525164	5279	intron (NM_001039815, intron 1 of 1)	NM_001039815	adora2aa	7.04840375	4.357688442	2.690715308	2.88E-05
peak_27125	chr2	14054806	14055252	72503	Intergenic	NM_001017787	leprot	6.482696447	3.7924766	2.690219847	0.000812
peak_27631	chr11	35600239	35600863	26441	Intergenic	NM_001079988	fam212aa	7.760247504	5.070149122	2.690098382	0.000969
peak_18628	chr16	3310256	3310981	-56305	Intergenic	NM_001109728	LOC797125	7.023560195	4.333704919	2.689855276	1.91E-05
peak_16896	chr6	11759808	11760147	-36917	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	5.65549154	2.965697142	2.689794398	6.65E-06
peak_15262	chr17	18063575	18064002	115664	Intergenic	NM_001099260	bcl11ba	7.508231432	4.818536587	2.689694845	2.20E-06
peak_4972	chr7	60839507	60840599	4844	intron (NM_001002692, intron 1 of 4)	NM_001002692	ppp1r14bb	10.1319278	7.442574856	2.689352947	2.03E-12
peak_21214	chr1	26832564	26833091	-4604	Intergenic	NM_001077787	dnajb14	6.090404249	3.401117751	2.689286498	7.45E-05
peak_25501	chr7	32038113	32038475	-23687	Intergenic	NM_001077597	mtmr10	6.17699611	3.487766009	2.6892301	0.000463
peak_12067	chr2	53644932	53645570	90964	exon (NM_001002071, exon 8 of 8)	NM_001002071	sirt6	7.663129978	4.97398785	2.689142127	1.43E-07
peak_20184	chr8	3206001	3206343	-45818	Intergenic	NM_001040010	lhx2b	5.959486824	3.270573134	2.68891369	4.55E-05
peak_20923	chr14	26135740	26136519	20507	Intergenic	NM_001007136	LOC556124	6.293113837	3.604365121	2.688748717	6.47E-05
peak_14000	chr2	33588017	33588365	-30119	Intergenic	NR_030023		6.567635625	3.87890706	2.688728565	8.42E-07
peak_21487	chr3	58196672	58197026	42998	Intergenic	NM_199950	socs3a	6.494735408	3.80601103	2.688724378	8.47E-05
peak_10164	chr15	35531766	35532203	107150	Intergenic	NM_183070	sst1.1	7.075120758	4.386483764	2.688636994	1.87E-08
peak_5789	chr15	316032	317516	109874	Intergenic	NM_001042691	limk1a	9.770751069	7.08229838	2.688452689	1.48E-11
peak_17171	chr16	611203	611511	-41223	Intergenic	NM_201057	irx2a	5.922906591	3.234614013	2.688292578	7.85E-06
peak_29582	chr7	68827406	68827796	285710	Intergenic	NM_200672	swap70a	6.733169748	4.045342266	2.687827482	0.001797
peak_12819	chr16	46558097	46558514	-170496	Intergenic	NM_001114444_1	oxr1a	7.202964414	4.515344695	2.687619719	2.95E-07
peak_21110	chr22	38750300	38750891	358950	Intergenic	NM_001113587	hykk.2	7.255115101	4.567838075	2.687277026	7.07E-05
peak_16922	chr9	12699638	12700003	1206	exon (NM_001089454, exon 2 of 3)	NM_001089454	zgc:162707	6.693035959	4.006350494	2.686685465	6.75E-06
peak_14682	chr13	6809822	6810123	35631	Intergenic	NM_001144794	exoc3l4	5.924355407	3.237693755	2.686661652	1.44E-06
peak_22878	chr18	47599644	47599975	61788	intron (NM_001171776, intron 2 of 2)	NM_001171776	bmp16	4.673771375	1.987480894	2.686290481	0.000159
peak_13363	chr7	41708234	41708544	87354	exon (NM_001128667, exon 5 of 23)	NM_001128667	ptprn2	5.871525026	3.185474026	2.686051	4.95E-07
peak_11077	chr7	31943612	31943910	-2163	Intergenic	NM_001281993	rnf111	5.868119378	3.182094707	2.686024671	5.38E-08
peak_15583	chr14	17714745	17715110	2439	exon (NM_001159841, exon 6 of 6)	NM_001159841	LOC100149406	5.68407117	2.998255223	2.685815947	2.77E-06
peak_17781	chr13	27463587	27464251	-58685	Intergenic	NM_001076727	slc17a5	7.525559382	4.839894159	2.685665223	1.20E-05
peak_20430	chr6	21990548	21990833	277769	Intergenic	NM_200704	aanat1	4.902426009	2.217376759	2.685049249	5.14E-05
peak_7045	chr3	56362246	56362680	14173	intron (NM_001099252, intron 7 of 11)	NM_001099252	tex2	7.385373566	4.700538481	2.684835085	1.87E-10
peak_17879	chr10	10076964	10077366	218285	Intergenic	NR_029938		6.636794854	3.952140408	2.684654446	1.26E-05
peak_29870	chr14	811158	811518	22039	intron (NM_212882, intron 8 of 12)	NM_194364	adra2da	2.903852685	0.219835396	2.684017289	0.001949
peak_32106	chr10	1727683	1728012	-4101	Intergenic	NM_212899	srsf9	6.425918444	3.741973656	2.683944788	0.003509
peak_19571	chr22	38843455	38843914	452039	Intergenic	NM_001113587	hykk.2	6.273320226	3.589652827	2.6836674	3.22E-05
peak_9520	chr23	45191778	45193690	-111031	Intergenic	NM_001201337_1	LOC794400	9.253846802	6.570205184	2.683641619	8.54E-09
peak_14372	chr10	32808307	32808802	44505	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	7.339558068	4.655938937	2.683619131	1.13E-06
peak_22658	chr19	309906	310411	-3193	Intergenic	NM_001082978	lingo4a	7.878461015	5.194956848	2.683504167	0.000146
peak_20797	chr2	28254166	28254639	-111042	intron (NM_001013520, intron 3 of 15)	NM_200331	zgc:56556	7.449046535	4.766056285	2.68299025	6.10E-05
peak_6304	chr21	14416186	14416718	6016	intron (NM_131840, intron 1 of 10)	NM_131840	tnfrsfa	7.958514886	5.275579513	2.682935372	4.56E-11
peak_24619	chr19	32100691	32100968	-12406	Intergenic	NM_001003570	mfsd2ab	5.866612942	3.183716538	2.682896404	0.000332
peak_21221	chr23	18873488	18874065	4510	exon (NM_001006008, exon 4 of 5)	NM_001006008	zgc:103759	6.935745704	4.252882111	2.682863593	7.46E-05
peak_8337	chr8	53406894	53408153	-157951	Intergenic	NM_001002178	zgc:91909	8.879713613	6.197111621	2.682601992	1.67E-09
peak_26286	chr18	30664256	30664657	-126984	Intergenic	NM_001080186	foxf1	6.263876274	3.581466876	2.682409398	0.000606
peak_16774	chr25	25922254	25922674	-6258	Intergenic	NM_001142267_1	LOC100216314	6.437663059	3.755767103	2.681895956	6.22E-06
peak_24307	chr14	42081055	42081731	37145	intron (NM_131159, intron 2 of 8)	NM_131159	ef1	7.107770187	4.426226926	2.681543261	0.000293
peak_18050	chr5	44147382	44147964	-24755	Intergenic	NR_048925_20		5.957698539	3.27628386	2.681414679	1.40E-05
peak_16279	chr8	27611592	27611981	33785	intron (NM_001128289, intron 2 of 14)	NM_001128289	si:dkey-159f12.3	5.621876502	2.940791536	2.681084966	4.50E-06
peak_29201	chr21	43144143	43144553	25174	Intergenic	NM_131826	spry4	2.90091206	0.219835396	2.681076664	0.001608
peak_10153	chr15	42228033	42228500	47752	exon (NM_212939, exon 16 of 20)	NM_212939	zgc:85932	8.778177143	6.097111117	2.681066026	1.85E-08
peak_24875	chr24	43277252	43277725	142481	intron (NM_001018133, intron 4 of 9)	NM_001018133	ptprma	5.415380979	2.734404776	2.680976203	0.000371
peak_7820	chr12	30076080	30076725	160657	Intergenic	NM_001002515	cdk5r1b	7.78583628	5.104941148	2.680895132	7.21E-10
peak_11494	chr14	30964185	30964528	119367	Intergenic	NM_001079996	cyp4v7	6.174258716	3.493936937	2.680321779	8.17E-08
peak_15760	chr16	10221558	10221829	-257864	Intergenic	NM_001289913	cobl	5.762065804	3.082115255	2.679950549	3.20E-06
peak_20021	chr3	46455360	46455713	-7843	Intergenic	NM_001098252	sc:d0202	6.070548124	3.391015357	2.679532768	4.17E-05
peak_20783	chr10	41533193	41533856	-116584	Intergenic	NM_001080188	git2b	7.265322777	4.586150427	2.679172351	6.06E-05
peak_15407	chr8	19427879	19428784	-10169	Intergenic	NM_001082819	rorca	7.041911363	4.362946145	2.678965219	2.43E-06
peak_17315	chr1	6776422	6776745	2347	intron (NM_131808_1, intron 1 of 4)	NM_131808_1	efnb2b	4.978481358	2.299849398	2.678631959	8.60E-06
peak_19480	chr23	3362550	3362790	60885	Intergenic	NM_131015	mafba	5.297609065	2.619076512	2.678532553	3.05E-05
peak_5469	chr11	38503771	38505994	8930	intron (NM_001040385, intron 7 of 8)	NR_030659		9.964062142	7.285598841	2.678463301	7.16E-12
peak_20179	chr9	14782568	14783165	-1800	Intergenic	NM_212966	nrp2b	7.319837338	4.641418675	2.678418663	4.54E-05

peak_7798	chr7	41327271	41327792	147248	Intergenic	NM_001111200	shrprbck1r	7.181573428	4.50326987	2.678303559	6.87E-10
peak_9628	chr16	51500900	51502010	103370	intron (NM_001003763, intron 6 of 7)	NM_001003763	eif3ha	7.976387689	5.298085235	2.678302453	9.91E-09
peak_17559	chr13	30858746	30859451	10398	intron (NM_001098388, intron 2 of 4)	NM_001098388	zcchc24	7.601271584	4.923144689	2.678126894	1.02E-05
peak_17323	chr3	28707942	28709045	107917	Intergenic	NM_001201336	fbxl16	9.420397049	6.742294925	2.678102124	8.64E-06
peak_21432	chr17	53379097	53379450	32076	intron (NM_131896, intron 2 of 4)	NM_131896	meis2a	5.895403728	3.217799329	2.677604399	8.25E-05
peak_18211	chr12	36622816	36623216	-191104	Intergenic	NM_001256248	tbccl	6.271329168	3.593855222	2.677473946	1.54E-05
peak_18576	chr1	50188395	50188839	29251	Intergenic	NM_001077289	tsga10	6.43561771	3.758190422	2.677427287	1.86E-05
peak_17761	chr2	39554458	39554907	-91427	Intergenic	NM_001002667	slc25a36a	6.469841165	3.792759527	2.677081638	1.18E-05
peak_26637	chr23	36126330	36127527	504	exon (NM_131165, exon 1 of 2)	NM_131165	hoxc11a	8.421941987	5.745196811	2.676745176	0.000684
peak_21024	chr5	43150440	43151157	-591	promoter-TSS (NM_001003783)	NM_001003783	akr1a1a	7.386162349	4.709448092	2.676714257	6.80E-05
peak_22681	chr9	5814003	5814429	-88582	Intergenic	NM_001128670	pdzk1	6.84339805	4.167162328	2.676235722	0.000147
peak_13712	chr11	35565110	35565502	61686	Intergenic	NM_001079988	fam212aa	7.577358117	4.901147294	2.676210823	6.62E-07
peak_8864	chr18	8041596	8042209	2608	intron (NM_001128535, intron 1 of 21)	NM_001128535	si:ch211-220f12.	7.943815015	5.268167119	2.675647896	3.47E-09
peak_3992	chr13	239392	240465	16359	Intergenic	NM_205651	slc30a6	10.56542097	7.889788915	2.67563205	1.02E-13
peak_28385	chr16	57094579	57095088	-26361	intron (NM_001039925, intron 6 of 11)	NM_001080630	gpatch3	2.895012766	0.219835396	2.67517737	0.001242
peak_24356	chr18	24889855	24890163	-54468	intron (NM_001045188, intron 2 of 9)	NM_153662	st8sia2	5.219927938	2.544989525	2.674938413	0.000299
peak_22755	chr23	45800986	45801358	-31328	intron (NM_130919_1, intron 3 of 3)	NM_001001826	zgc:85866	5.124614504	2.450049606	2.674564898	0.000151
peak_11069	chr7	37374737	37375421	-210136	Intergenic	NM_001045227	irx5a	7.51102042	4.836879137	2.674141283	5.35E-08
peak_38664	chr10	220255	221039	11283	exon (NM_001080689, exon 11 of 11)	NM_001080689	dyrk1aa	6.339062526	3.664937995	2.674124531	0.014346
peak_17269	chr18	19316538	19316973	-44964	Intergenic	NM_001080163	snapc5	7.288050166	4.614096181	2.673953984	8.38E-06
peak_26801	chr9	34830954	34831411	61039	Intergenic	NR_039077		6.892805091	4.218965217	2.673839874	0.000729
peak_8954	chr12	6937252	6937755	-94584	Intergenic	NM_001194988	rltgr	7.057364506	4.383694218	2.673670288	3.94E-09
peak_11562	chr9	14833959	14834565	-53196	Intergenic	NM_212966	nrp2b	6.02591417	3.352258037	2.673656132	8.75E-08
peak_24971	chr18	43778131	43778354	163996	Intergenic	NM_001004538	gyltl1b	5.844928909	3.172346254	2.672582656	0.000383
peak_20480	chr11	20541044	20541484	-24974	Intergenic	NM_001075104	ogfrl2	4.530429481	1.857866775	2.672562706	5.24E-05
peak_18131	chr2	28021541	28022098	-1168	Intergenic	NM_001256780	buc	7.063971374	4.391560178	2.672411197	1.47E-05
peak_20727	chr5	37818913	37819384	109703	Intergenic	NM_131805	efnb1	6.138137084	3.465881879	2.672255206	5.93E-05
peak_13804	chr7	75086869	75087263	34876	Intergenic	NM_001039641	lgi2a	6.395348328	3.723384332	2.671963996	7.10E-07
peak_19189	chr2	43598043	43598707	28016	intron (NM_205674, intron 6 of 16)	NM_205674	nrp1b	7.483318091	4.811420438	2.671897653	2.62E-05
peak_12510	chr23	23278810	23279177	194566	Intergenic	NM_001003830	noc2l	6.951316924	4.279605676	2.671711248	2.21E-07
peak_18084	chr18	10271843	10272223	-105664	Intergenic	NM_001020699	ttc38	6.693910449	4.022210968	2.67169948	1.43E-05
peak_26454	chr9	29314811	29315156	-6684	Intergenic	NM_001017818	creb1b	5.94669036	3.275011993	2.671678367	0.000641
peak_3671	chr8	10884499	10885842	29490	Intergenic	NM_001077391	zgc:153997	10.99712463	8.325744979	2.67137965	3.01E-14
peak_26495	chr12	28997134	28997529	-35917	Intergenic	NM_001002450	meox1	5.895403728	3.224116634	2.671287094	0.000652
peak_14237	chr15	31566670	31567513	71635	Intergenic	NM_001005935	arfip2a	7.583446347	4.912271573	2.671174774	1.01E-06
peak_17518	chr12	5525717	5526057	78577	exon (NM_001161653, exon 3 of 12)	NM_001282153	trpm4c	5.879784792	3.208619612	2.671165181	9.91E-06
peak_13681	chr7	64384133	64384846	907493	Intergenic	NM_131287	sox17	7.987452562	5.316475068	2.670977494	6.46E-07
peak_16790	chr14	15365457	15365757	30154	intron (NM_200376, intron 2 of 6)	NM_200376	fgfrl1a	5.887233154	3.216328557	2.670904597	6.28E-06
peak_7835	chr11	1673525	1674129	-18438	Intergenic	NM_212882_3		8.593702644	5.922891515	2.670811129	7.35E-10
peak_20635	chr1	26213099	26213409	134710	Intergenic	NM_001122755	bnc2	5.205665308	2.534948567	2.67071674	5.68E-05
peak_23145	chr21	16364998	16365436	-26882	Intergenic	NM_001161551	rxraa	7.385628872	4.715132585	2.670496287	0.00018
peak_23207	chr14	39271266	39271854	-772826	Intergenic	NM_001099453	rnasel3	6.853699967	4.183371915	2.670328052	0.000184
peak_8868	chr1	21669939	21670472	44365	Intergenic	NM_212731	gtf2e2	7.878829241	5.208787214	2.670042027	3.47E-09
peak_26703	chr13	9619148	9619538	-85591	Intergenic	NM_001030064	rnaset2	6.640779113	3.970968176	2.669810937	0.000701
peak_27191	chr20	45741439	45741719	122036	Intergenic	NM_001080702	zgc:158643	3.378798964	0.709096771	2.669702192	0.00083
peak_33022	chr2	9166309	9166679	107387	exon (NM_212625, exon 3 of 5)	NM_212625	st6galnac3	5.623241307	2.953659189	2.669582118	0.004422
peak_17458	chr4	8753772	8754414	22140	Intergenic	NM_001045110	si:dkey-153k10.9	5.003411208	2.333866419	2.66954479	9.47E-06
peak_21798	chr16	1405078	1405506	124726	Intergenic	NM_178222	sim1a	6.505195024	3.835785516	2.669409508	9.89E-05
peak_9985	chr2	12311007	12311570	113873	intron (NM_001115122, intron 6 of 30)	NM_001115122	dpp6	7.102801602	4.433535769	2.669265833	1.54E-08
peak_27383	chr10	374990	375588	-11735	Intergenic	NM_199984	zgc:56039	7.091371914	4.422196963	2.669174951	0.000887
peak_11360	chr13	48946929	48947556	-160922	Intergenic	NM_001098262	zmp:000000113	8.110234152	5.441523588	2.668710564	7.08E-08
peak_8509	chr5	18815850	18816245	-304316	Intergenic	NM_001004640	atad1a	7.14295843	4.474505902	2.668452528	2.13E-09
peak_24236	chr17	14913760	14914471	-43554	Intergenic	NM_200350	ero1l	9.056874031	6.388814573	2.668059458	0.000286
peak_7032	chr11	42104801	42105264	18208	intron (NM_213313, intron 6 of 6)	NM_213313	fam213b	7.646960749	4.979103711	2.667857038	1.79E-10
peak_6743	chr1	1218645	1219297	-56377	Intergenic	NR_039328		7.731393955	5.06394712	2.667446835	1.07E-10
peak_22090	chr5	26167435	26168096	18870	Intergenic	NM_200182	tia1l	5.988578346	3.321184448	2.667393898	0.000113
peak_11317	chr18	38268196	38268788	181546	Intergenic	NM_001080165	gldn	6.890397911	4.223014192	2.66738372	6.79E-08
peak_24655	chr23	1626811	1627241	-32826	Intergenic	NM_200432	fbxo30b	5.558800733	2.891604298	2.667196434	0.000338
peak_12570	chr17	31832116	31832381	46660	Intergenic	NM_213295	fam175b	5.702392321	3.035443885	2.666948436	2.33E-07
peak_29791	chr20	33275993	33276371	-57182	Intergenic	NM_212614	mycn	6.238117344	3.571392656	2.666724689	0.001913
peak_17736	chr22	1005103	1005339	-24339	Intergenic	NM_199966	camk1ga	5.546097177	2.879448723	2.666648454	1.15E-05
peak_28584	chr7	33548380	33548761	-193270	Intergenic	NM_200239	kif18a	6.02591417	3.359277737	2.666636432	0.001325
peak_24732	chr21	44120834	44121247	-23097	Intergenic	NM_001040346	pitx1	6.275024664	3.608475118	2.666549545	0.000349
peak_19019	chr5	32542423	32543125	20415	intron (NM_001114455, intron 1 of 1)	NM_001083847	spns2	7.930867647	5.264504902	2.666362745	2.40E-05
peak_28799	chr9	12036735	12037110	-84205	Intergenic	NM_199888	zc3h15	6.248904575	3.582611216	2.66629336	0.001418
peak_4087	chr6	34455326	34455947	-71005	Intergenic	NM_199274	rgs4	10.26411915	7.59804527	2.666073878	1.36E-13
peak_25482	chr24	16143489	16143829	-591520	Intergenic	NM_001098738	cbln2b	4.529477799	1.863651775	2.665826023	0.000461
peak_22596	chr2	54788120	54788351	191351	Intergenic	NM_001002469_1	napg	5.715446952	3.049693026	2.665753926	0.000141
peak_23358	chr7	28997936	28998236	38088	intron (NM_001017815, intron 1 of 5)	NM_001017815	rras2	5.625469814	2.95973677	2.665733045	0.000194
peak_19705	chr3	12318419	12318788	21917	intron (NM_001076757, intron 3 of 7)	NM_001076757	pdgfab	6.288058373	3.622714889	2.665343484	3.47E-05
peak_10355	chr14	7984011	7985050	66145	Intergenic	NM_001002626	zgc:92242	9.144046942	6.478800859	2.665246083	2.32E-08
peak_28223	chr21	28069514	28069988	-52875	intron (NM_001099254, intron 1 of 8)	NM_001001846	pura	5.710812374	3.045730965	2.665081408	0.001182
peak_16551	chr5	10249926	10250223	252885	Intergenic	NM_001080038	zgc:158343	5.055363031	2.390359683	2.665003348	5.43E-06
peak_24645	chr18	10213592	10213844	-52268	Intergenic	NM_200321	rbm28	5.485412503	2.820573427	2.664839077	0.000336
peak_26004	chr23	16403599	16404104	-284179	Intergenic	NM_200736	mrgbp	5.616956974	2.952211093	2.664745882	0.00055
peak_18453	chr19	551269	552165	44162	Intergenic	NM_001001730	cyp51	6.7428742	4.078356592	2.664517608	1.74E-05
peak_27679	chr16	28380619	28381017	102377	Intergenic	NM_001044848	arhgef1b	6.011652845	3.347236714	2.664416131	0.000983
peak_28157	chr16	15706735	15707013	-24070	Intergenic	NM_001083816	zgc:162509	2.883141315	0.219835396	2.663305919	0.001161
peak_15120	chr18	20066856	20067219	59519	Intergenic	NM_131012	gro2	5.460105758	2.796996354	2.663109404	1.97E-06
peak_20830	chr16	33153514	33153757	19655	intron (NM_131796, intron 1 of 31)	NM_131796	ptk2ab	5.569488729	2.906877551	2.662611178	6.20E-05
peak_16258	chr5	62267275	62267800	-260556	Intergenic	NM_001030174	lig3	6.554569534	3.89219063	2.662378904	4.44E-06
peak_14090	chr18	27003973	27004603	-17932	Intergenic	NM_001045219	si:ch211-107o23.	7.700055829	5.037788338	2.662267491	9.06E-07
peak_5399	chr6	56096603	56097589	-22281	intron (NM_199742, intron 7 of 8)	NM_001008576_1	tfap2c	10.9408535	8.278628623	2.662224874	5.91E-12
peak_27540	chr9	10831448	10832016	-86003	Intergenic	NM_131834	cxcr4b	7.063149567	4.401158576	2.66199099	0.000939
peak_5043	chr23	31882233	31883475	1487	intron (NM_199212, intron 5 of 9)	NM_199212	sgk1	9.592589167	6.930973552	2.661615615	2.48E-12
peak_32081	chr5	70911186	70911727	5220	intron (NM_201125, intron 4 of 7)	NM_201125	spag7	5.428203117	2.766967388	2.661235729	0.003495
peak_25785	chr18	46767850	46768370	119191	Intergenic	NM_001017558_1	ets1	8.061170513	5.400155398	2.661015115	0.000511
peak_12301	chr24	5827126	5827559	-52007	Intergenic	NM_001114926	dia1b	7.652557028	4.992084409	2.660472619	1.79E-07
peak_20239	chr16	30732237	30732717	-74114	Intergenic	NM_001199754	nmt2	6.600485416	3.940371212	2.660114204	4.68E-05
peak_11982	chr23	45021258	45021684	46027	Intergenic	NM_001201337	LOC794400	5.692623316	3.032590345	2.660032971	1.33E-07
peak_18778	chr18	27700858	27701220	19759	intron (NM_001002439, intron 1 of 8)	NM_001002439	tspan18b	6.263876274	3.603868017	2.660008257	2.09E-05
peak_8778	chr10	41528101	41528779	-121668	Intergenic	NM_001080188	git2b	8.702752493	6.042867868	2.659884625	3.05E-09
peak_19614	chr6	45122399	45122799	-307856	Intergenic	NM_001080051	cntn4	4.756765819	2.09719972	2.659566099	3.31E-05
peak_22300	chr7	6121764	6122330	96932	Intergenic	NM_153674	vangl2	7.32410499	4.664726821	2.659378169	0.000125
peak_21697	chr1	46881630	46881988	-20771	Intergenic	NM_001004513	tubgcp3	6.315435103	3.656110108	2.659324995	9.37E-05
peak_18214	chr11	9675198	9675654	362488	TTS (NM_001142265)	NM_001142265	nlgn1	6.595693089	3.936483442	2.659209647	1.54E-05
peak_6735	chr2	43340552	43341221	34747	intron (NM_205735, intron 2 of 21)	NM_205735	pard3	8.314724638	5.655727199	2.65899744	1.06E-10
peak_9465	chr7	45844799	45845194	54592	Intergenic	NM_200813	ca7	7.028115522	4.369238832	2.65887669	8.00E-09
peak_9051	chr6	4751601	4752170	319685	Intergenic	NM_201285	pou4f1	7.594107591	4.935386221	2.65872137	4.54E-09
peak_24617	chr5	2523418	2524400	-2709	Intergenic	NM_213058	hspa5	5.892075647	3.233460169	2.658615478	0.000331
peak_5946	chr15	27618593	27619846	-7703	Intergenic	NM_200976	prpf8	9.615696443	6.957162624	2.658533819	2.08E-11
peak_9886	chr8	50529685	50530132	-232349	Intergenic	NM_001128741	zgc:195023	6.55151201	3.89304204	2.65846997	1.38E-08
peak_13250	chr8	21963889	21964283	42715	Intergenic	NM_001040382	si:dkey-24f17.5	7.272316744	4.613874738	2.658442005	4.40E-07
peak_24910	chr4	47955584	47956374	170395	Intergenic	NM_001122615	zgc:174646	5.878268689	3.219882305	2.658386385	0.000374
peak_29706	chr12	25126704	25127031	-108105	Intergenic	NM_001035261	svila	6.26616332	3.607903735	2.658259585	0.001862

peak_6603	chr21	8686396	8687249	33859	intron (NM_001037701, intron 2 of 14)	NM_001037701	mapk10	8.642660316	5.984472164	2.658188153	8.16E-11
peak_5753	chr23	45713463	45714094	-12967	Intergenic	NM_001077745_1	ctc1	8.902696298	6.244801569	2.657894729	1.35E-11
peak_26971	chr21	3274182	3274716	-74508	Intergenic	NM_213302	hnrnpabb	8.386421348	5.72857833	2.657843018	0.00077
peak_14376	chr23	4057049	4057369	315	intron (NM_001008586, intron 1 of 13)	NM_001008586	slc9a8	6.317625839	3.659990067	2.657635772	1.13E-06
peak_13326	chr15	31268464	31268949	110351	Intergenic	NM_001110394	brca2	7.30890872	4.651345773	2.657562947	4.75E-07
peak_6690	chr17	12502013	12502622	-19530	Intergenic	NM_001003633	zgc:100927	8.407598644	5.750227016	2.657371628	9.65E-11
peak_22082	chr7	29819847	29820854	65327	intron (NM_001002327, intron 14 of 19)	NM_001002327	st5	8.29683617	5.639887528	2.656948642	0.000113
peak_28358	chr18	36908769	36909149	150631	Intergenic	NM_001089357	alx4b	6.229921789	3.573502464	2.656419325	0.001232
peak_17565	chr24	43677351	43677801	21726	intron (NM_001003987, intron 8 of 17)	NM_001003987	epb41l3a	6.833566709	4.177468012	2.656098697	1.03E-05
peak_31402	chr9	7849885	7850108	84328	Intergenic	NM_001009886	mnx2a	5.693048356	3.037332299	2.655716057	0.002914
peak_23520	chr19	32560614	32561092	26395	Intergenic	NM_200318	arl4ab	7.548344246	4.892809416	2.65553483	0.000208
peak_26788	chr25	25348559	25349003	375194	Intergenic	NM_001013512	tmem86a	6.92106177	4.265915508	2.655146262	0.000726
peak_7392	chr18	8695176	8695909	59161	intron (NM_131048, intron 17 of 17)	NM_131048	sema3d	7.993509163	5.338765949	2.654743214	3.56E-10
peak_28264	chr24	14786872	14787227	-54289	Intergenic	NM_001089439	dok6	6.361193069	3.706567591	2.654625478	0.001196
peak_20377	chr6	19058333	19058690	34793	intron (NM_001014307, intron 8 of 9)	NM_001014307	sept9b	6.490815063	3.836430465	2.654384598	5.04E-05
peak_6181	chr8	17511689	17512495	74636	Intergenic	NM_001002530	rab3c	8.558125233	5.903915886	2.654209347	3.60E-11
peak_10123	chr13	42791746	42792540	14594	intron (NM_001004568, intron 2 of 2)	NM_001004568	cdc42ep3	8.592111633	5.938364716	2.653746916	1.79E-08
peak_23053	chr12	12421264	12421746	-8691	TTS (NM_001114439)	NM_001199907	get4	6.746973874	4.093591334	2.65338254	0.000173
peak_27250	chr9	38596087	38596456	176973	Intergenic	NM_001004597	dirc2	6.146230561	3.493045922	2.653184639	0.000848
peak_10285	chr20	26431929	26432350	7833	exon (NM_213415, exon 2 of 3)	NM_213415	zbtb2b	7.808523666	5.155411876	2.65311179	2.16E-08
peak_21199	chr12	44002143	44002574	280280	Intergenic	NM_001080602	ebf3	6.832602546	4.179585102	2.653017444	7.41E-05
peak_8968	chr19	37600927	37601648	253234	Intergenic	NM_131814	angpt2b	8.580287216	5.927698056	2.65258916	4.02E-09
peak_5130	chr11	38508895	38512215	14603	Intergenic	NR_030659		10.22143021	7.568850116	2.652580092	3.22E-12
peak_6504	chr9	18332988	18333664	-33688	Intergenic	NM_001128338	vwa8	8.340930681	5.688359764	2.652570917	6.77E-11
peak_18005	chr24	20752830	20753141	8387	intron (NM_201175, intron 1 of 18)	NM_201175	oxsr1b	6.129333309	3.477346778	2.651986531	1.37E-05
peak_18124	chr7	17139112	17140788	25736	intron (NM_001017735, intron 2 of 6)	NM_001017735	mpped2a	9.316121071	6.664245663	2.651875408	1.47E-05
peak_16314	chr15	28935499	28935922	-27	promoter-TSS (NM_001128669)	NM_001128669	samsn1a	7.377042056	4.725482021	2.651560036	4.64E-06
peak_14318	chr5	31574781	31575234	-53630	Intergenic	NR_030053		6.48859893	3.837079985	2.651518945	1.08E-06
peak_10909	chr10	2625854	2626827	17423	Intergenic	NM_001008630	nxnl2	8.181724872	5.530408206	2.651316666	4.46E-08
peak_26408	chr16	48615359	48615723	-141943	Intergenic	NM_001024923	smg5	5.506418819	2.855283833	2.651134986	0.000633
peak_27481	chr20	35281634	35281934	1740	intron (NM_200108_1, intron 1 of 11)	NM_200108_1	znf395	5.879389575	3.228634135	2.65075544	0.00092
peak_27153	chr13	3906	4297	3132	exon (NM_001040322, exon 6 of 10)	NM_001040322	ccdc104	4.557867589	1.907116997	2.650750591	0.000819
peak_24174	chr11	17671642	17671926	541732	Intergenic	NM_001077273	fam19a4b	5.673315483	3.022584694	2.65073079	0.000278
peak_26953	chr4	13439087	13439306	30048	Intergenic	NM_001162854	LOC799612	5.868872007	3.218192874	2.650679133	0.000765
peak_35206	chr4	8753284	8753608	21493	TTS (NM_001045110)	NM_001045110	si:dkey-153k10.9	3.875584362	1.226539182	2.64904518	0.007193
peak_12416	chr2	14661441	14661919	104198	Intergenic	NM_001083863	LOC795615	8.002059697	5.353304904	2.648754792	2.03E-07
peak_16694	chr1	24034064	24034758	40	promoter-TSS (NM_001130587)	NM_001130587	tmem154	7.775910155	5.127289376	2.648620779	5.93E-06
peak_17303	chr18	33526037	33526315	8465	exon (NM_001082996, exon 7 of 12)	NM_001082996	ccdc19	5.587028868	2.938514776	2.648514093	8.53E-06
peak_18011	chr5	4435386	4435822	-18051	Intergenic	NM_001076726	zgc:153704	7.248615454	4.600225696	2.648389758	1.37E-05
peak_33915	chr24	24345001	24345337	7030	intron (NM_001002202, intron 6 of 9)	NM_001002202	ppp1r42	6.002765615	3.355542774	2.647222841	0.005432
peak_5394	chr9	38981190	38981689	78669	intron (NM_001171585, intron 3 of 20)	NM_199698	sec22a	8.524716913	5.877650006	2.647066906	5.84E-12
peak_28046	chr22	2299637	2300181	36874	Intergenic	NM_200656	guca1e	6.087174003	3.440351906	2.646822097	0.001119
peak_16584	chr17	29603526	29604079	225105	Intergenic	NM_001045177	ptpreb	6.958062563	4.311688725	2.646373838	5.54E-06
peak_29776	chr6	41521052	41521552	-54136	Intergenic	NM_001114419	hemk1	7.094450684	4.448185806	2.646264878	0.001905
peak_16844	chr6	30553744	30554484	157945	Intergenic	NM_001037669	insl5a	7.361051539	4.714828838	2.646222701	6.47E-06
peak_4053	chr1	14049160	14051143	64723	Intergenic	NM_001045485	pi4k2b	10.99636958	8.35049309	2.64587649	1.21E-13
peak_6059	chr13	5709642	5710410	49292	Intergenic	NM_130955	dld	8.825436333	6.179575356	2.645860977	2.75E-11
peak_14404	chr9	643235	644054	-53847	Intergenic	NM_212594_1	ybey	7.995420926	5.349622317	2.645798609	1.16E-06
peak_30374	chr7	75619781	75620365	-102563	Intergenic	NM_001077468	mrpl21	6.410220044	3.764583715	2.645636329	0.002236
peak_6477	chr5	47467647	47468191	20037	intron (NM_001034984, intron 2 of 25)	NM_001034984	slc4a4a	7.910602605	5.265032404	2.645570202	6.46E-11
peak_5864	chr21	27007509	27008657	-38801	Intergenic	NR_023323		9.215738383	6.570218383	2.64552	1.75E-11
peak_13141	chr14	40426205	40426628	16835	Intergenic	NM_001006103	gla	6.879213717	4.233748237	2.64546548	4.01E-07
peak_32052	chr19	43493433	43493776	33313	intron (NM_001104526, intron 4 of 56)	NM_001104526	trioa	2.865148941	0.219835396	2.645313546	0.003472
peak_22140	chr23	15873289	15873760	208741	Intergenic	NM_001002371	eef1a2	4.772986383	2.127744164	2.645242218	0.000116
peak_24878	chr5	847971	848609	8049	intron (NM_131461, intron 1 of 22)	NM_131461	tek	6.516314093	3.871116085	2.645198007	0.000371
peak_24405	chr14	47937403	47938082	-143809	Intergenic	NM_001076624	rnf44	6.834722855	4.190225649	2.644497206	0.000305
peak_8512	chr1	5180237	5180682	72786	Intergenic	NM_001256242	gtf3c3	7.823679236	5.179603301	2.644075934	2.14E-09
peak_19252	chr20	24201758	24202451	-37244	Intergenic	NM_001020750	map3k7	7.352577963	4.709036386	2.643541576	2.71E-05
peak_19363	chr1	41669395	41669722	-672	promoter-TSS (NM_214724)	NM_214724	rgs12b	5.749428098	3.106240629	2.643187469	2.87E-05
peak_24066	chr3	23008324	23008602	112315	Intergenic	NM_001128744	cyb561	5.447031973	2.804225224	2.642806749	0.000264
peak_33686	chr25	1241101	1241611	34408	Intergenic	NM_213027	zgc:73185	2.862128275	0.219835396	2.64229288	0.005131
peak_33685	chr2	145393	145972	-7726	intron (NM_205606, intron 4 of 7)	NM_213281	fggy	2.862128275	0.219835396	2.64229288	0.005131
peak_33687	chr5	38432741	38433065	5055	exon (NM_130932, exon 7 of 8)	NM_130932	ckma	2.862128275	0.219835396	2.64229288	0.005131
peak_33684	chr1	10857523	10858173	12773	intron (NM_001040305, intron 11 of 13)	NM_001040305	brat1	2.862128275	0.219835396	2.64229288	0.005131
peak_25188	chr21	26256568	26256900	-128900	Intergenic	NM_001004677	fkbp2	5.84953401	3.207523054	2.642010956	0.000414
peak_18177	chr8	38060326	38060615	-35240	Intergenic	NM_001123234	kdm5c	5.694322724	3.052315419	2.642007305	1.51E-05
peak_8141	chr1	10501863	10502374	210824	Intergenic	NM_001128774	knstrn	7.554672833	4.913110784	2.641562049	1.21E-09
peak_18321	chr18	19472114	19472468	43359	intron (NM_001045051, intron 3 of 3)	NM_001045051	LOC564395	6.102952214	3.462017919	2.640934295	1.63E-05
peak_11010	chr13	42305081	42305490	-106042	Intergenic	NM_001012482	pcdh15a	7.122704245	4.48195045	2.640753795	4.99E-08
peak_6747	chr23	10413728	10414533	-39954	Intergenic	NM_178437	krt18	9.506080968	6.865642836	2.640438132	1.09E-10
peak_33862	chr5	74787249	74787580	47404	Intergenic	NM_001003993	ak1	5.91780303	3.277493019	2.640310011	0.005348
peak_13275	chr16	4975492	4975930	-149015	Intergenic	NM_152981	mtf1	6.370804592	3.730629019	2.640175573	4.54E-07
peak_12103	chr20	41510678	41511002	447385	Intergenic	NM_001201561	LOC555548	6.677187751	4.037124837	2.640062914	1.47E-07
peak_8134	chr9	1229243	1230037	-124805	Intergenic	NM_001089361	prkra	7.690921903	5.050938402	2.639983502	1.20E-09
peak_27978	chr9	26721567	26721892	-87449	Intergenic	NM_001135104	zeb2a	5.208641113	2.56931064	2.639330473	0.001098
peak_16386	chr19	22556037	22556313	9071	exon (NM_001045150, exon 4 of 4)	NM_001045150	sall3b	5.898377094	3.259092465	2.639284629	4.86E-06
peak_14168	chr5	43545915	43546733	68769	intron (NM_200276, intron 17 of 47)	NM_200276	ncor1	8.375454047	5.736229079	2.639224968	9.64E-07
peak_18416	chr18	35384370	35384693	-174445	Intergenic	NM_001044953	qpctla	6.43156287	3.792361368	2.639201502	1.71E-05
peak_27687	chr17	28149427	28149765	11468	intron (NM_001242995, intron 17 of 21)	NM_001242995	kdm1a	6.19187944	3.552852842	2.639026599	0.000986
peak_28959	chr21	12082215	12082561	18642	intron (NM_001025182, intron 1 of 18)	NM_001025182	stxbp1a	6.337656416	3.699581906	2.63807451	0.001493
peak_20094	chr20	30447254	30447639	42680	Intergenic	NM_001002659	rnaseh1	6.052053274	3.414022414	2.63803086	4.35E-05
peak_10949	chr3	7811086	7812697	-25899	Intergenic	NM_001105127	zgc:173577	10.14509807	7.507328573	2.637769494	4.63E-08
peak_14713	chr13	40142898	40143512	-91898	Intergenic	NM_001202417	marveld1	7.944445138	5.306822079	2.637623059	1.47E-06
peak_14953	chr6	1999301	1999748	-8013	Intergenic	NM_213161	prkag1	7.207460206	4.569943077	2.637517129	1.74E-06
peak_12204	chr8	10892106	10892608	22303	Intergenic	NM_001077391	zgc:153997	8.549159338	5.912191864	2.636967474	1.64E-07
peak_21611	chr19	24316393	24317018	87079	Intergenic	NM_199546	chtopa	4.441983226	1.805399871	2.636583355	9.05E-05
peak_8741	chr11	19321797	19322454	28668	intron (NM_001007063, intron 1 of 21)	NM_001007063	magi1b	9.014208808	6.377987399	2.636221409	2.91E-09
peak_6336	chr15	38765593	38766516	-63630	Intergenic	NM_001039991	gpr55a	9.224198491	6.588074054	2.636124437	4.86E-11
peak_19444	chr21	11183769	11183980	103012	Intergenic	NM_001033747	zgc:109965	4.944529182	2.308716571	2.635812611	2.99E-05
peak_33912	chr3	26970685	26971235	56	promoter-TSS (NM_001127520)	NM_001127520	si:dkeyp-69e1.8	7.452830915	4.818372613	2.634458302	0.005428
peak_6276	chr3	45261161	45261657	57833	Intergenic	NM_207049	kctd5a	7.969015351	5.334586253	2.634429098	4.38E-11
peak_25141	chr6	19049091	19049593	25624	intron (NM_001014307, intron 5 of 9)	NM_001014307	sept9b	7.343377563	4.709077157	2.634300406	0.000408
peak_7190	chr9	25228084	25228555	1933	intron (NM_200535, intron 1 of 6)	NM_200535	stk17b	8.161239091	5.527055209	2.634183882	2.48E-10
peak_19672	chr20	29079780	29080274	93779	Intergenic	NM_001128711	gpr176	7.575969354	4.942451971	2.633517382	3.42E-05
peak_9256	chr2	20702904	20703463	16681	Intergenic	NM_153657	ptgs2a	7.560528369	4.927019435	2.633508934	5.95E-09
peak_26292	chr16	25148547	25148958	102514	Intergenic	NM_001003997	flad1	7.07789944	4.444596044	2.633303396	0.000609
peak_10881	chr2	32773734	32774691	-133291	Intergenic	NM_001076570	rnf220a	8.383849007	5.750646258	2.633202748	4.33E-08
peak_25560	chr19	32382669	32383683	-45717	Intergenic	NM_001045124	meox2b	3.342286181	0.709096771	2.63318941	0.000473
peak_9574	chr20	53628933	53629562	-27178	Intergenic	NM_131236	gata4	8.567110629	5.933935014	2.633175615	9.26E-09
peak_23580	chr10	43670660	43670963	-7797	Intergenic	NM_131269	tcf7l1a	5.915619357	3.282685351	2.632934006	0.000213
peak_22514	chr7	45681322	45681847	11238	intron (NM_001017669, intron 4 of 12)	NM_001017669	dync1li2	7.347298363	4.714468201	2.632830162	0.000136
peak_16513	chr8	15416429	15416717	8801	exon (NM_001123272, exon 6 of 15)	NM_001123272	soat1	5.333557084	2.701007423	2.63254966	5.32E-06
peak_6302	chr20	473571	474451	-14595	Intergenic	NM_200606	ufl1	8.602123804	5.969853118	2.632270686	4.53E-11
peak_28272	chr21	31874170	31874741	-17510	Intergenic	NR_120380		7.522798387	4.890566335	2.632232052	0.001198
peak_29016	chr19	31030858	31031230	-12460	Intergenic	NM_213223	marcksl1b	5.958052247	3.325843797	2.63220845	0.001518

peak_19503	chr16	45405910	45406340	-37840	Intergenic	NM_001002868	dpy19l1l	6.292849802	3.660791505	2.632058297	3.10E-05
peak_9351	chr1	30913354	30914135	56340	Intergenic	NM_001256665	cenpk	8.010279188	5.378231649	2.632047539	6.86E-09
peak_25783	chr14	31584769	31585056	8781	intron (NM_200409, intron 10 of 10)	NM_200409	fibpa	5.452594553	2.820573427	2.632021126	0.00051
peak_15053	chr5	66786428	66786867	-1009	Intergenic	NM_201495	rab14	5.864350335	3.232759292	2.631591043	1.88E-06
peak_9209	chr23	21298448	21298986	-62814	Intergenic	NM_001111181	zgc:171453	8.635032723	6.003514683	2.631518039	5.61E-09
peak_23772	chr9	42016938	42017285	4732	TTS (NM_131019)	NM_131019	mstnb	5.725478726	3.094153284	2.631325442	0.000233
peak_7930	chr21	38962230	38963507	20020	Intergenic	NM_001004539	serpinf1	8.959133468	6.328044706	2.631088761	8.59E-10
peak_18536	chr13	1059813	1060118	32588	Intergenic	NM_001256207	perp	5.854840097	3.224194008	2.630646089	1.82E-05
peak_28394	chr20	33328596	33329158	-4487	Intergenic	NM_212614	mycn	6.396668898	3.766220794	2.630448104	0.001246
peak_5210	chr18	274726	277954	4145	intron (NM_001080627_1, intron 1 of 3)	NM_001080627_1	pde8a	11.03674726	8.406491251	2.630256014	3.85E-12
peak_31235	chr9	51408078	51408681	-242887	Intergenic	NM_001017644	slc38a11	3.703707687	1.07379276	2.629914927	0.002793
peak_12340	chr20	46622445	46622842	-11569	Intergenic	NM_001045473	bmf2	7.411367796	4.781543127	2.629824669	1.88E-07
peak_6927	chr25	9926894	9927440	-685008	Intergenic	NM_131385	rag2	8.522738609	5.892980248	2.629758362	1.49E-10
peak_21775	chr12	19812515	19812780	68487	3' UTR (NM_001201558, exon 19 of 19)	NM_001201558	mkl1b	5.431802703	2.802133609	2.629669094	9.76E-05
peak_20626	chr19	47177960	47178499	119738	intron (NM_001177934, intron 6 of 7)	NM_200669	ptpn12	4.2869161	1.65742663	2.62948947	5.67E-05
peak_10926	chr8	29299653	29300244	2944	Intergenic	NM_131884	cebpb	6.669420194	4.039988563	2.629431631	4.52E-08
peak_28865	chr14	48634125	48634607	24007	exon (NM_201014, exon 6 of 6)	NM_201014	rom1b	6.275575806	3.646403818	2.629171988	0.00145
peak_13213	chr21	37243911	37244310	-28724	Intergenic	NM_001080058	zgc:158291	6.869237203	4.2402667	2.628970502	4.26E-07
peak_17859	chr8	32431498	32432312	22546	intron (NM_001083578, intron 1 of 8)	NM_001083578	ghra	6.797968582	4.169073547	2.628895035	1.25E-05
peak_38173	chr10	15785975	15787551	96554	Intergenic	NM_001201570	tjp2a	6.266448947	3.637947666	2.628501281	0.013205
peak_13664	chr6	38585405	38585789	-118673	Intergenic	NM_001007318	ube3a	7.506297897	4.877801383	2.628496514	6.38E-07
peak_24592	chr15	39320331	39320721	129234	exon (NM_001077577, exon 3 of 3)	NM_001077577	fat3a	6.346901136	3.718428541	2.628472594	0.000329
peak_26236	chr14	8125852	8126586	-75544	Intergenic	NM_001002626	zgc:92242	7.864255982	5.235784946	2.628471036	0.000596
peak_8299	chr20	30774508	30775441	46498	Intergenic	NM_212997	acbd3	9.167039322	6.53864705	2.628392272	1.59E-09
peak_25513	chr16	51992729	51993071	42701	Intergenic	NM_131612	pbx2	5.69347327	3.065474183	2.627999087	0.000465
peak_11813	chr18	3763491	3763890	545311	Intergenic	NM_200555	pdcd10a	5.981288501	3.353322777	2.627965724	1.11E-07
peak_13757	chr19	39010295	39010654	2967	intron (NM_001044714, intron 1 of 9)	NM_001044714	dlgap3	7.062317693	4.434364109	2.627953584	6.85E-07
peak_23733	chr6	25964515	25964839	-58015	Intergenic	NM_001037227	dzip1l	3.992402332	1.364650599	2.627751734	0.000229
peak_13926	chr22	41763448	41764301	-838	promoter-TSS (NM_001114476_2)	NM_001114476_2	mark1	8.983198775	6.355448081	2.627750693	7.86E-07
peak_25412	chr11	46215449	46216134	9721	intron (NM_214690, intron 4 of 12)	NM_214690	ankrd13c	4.234016866	1.606593419	2.627423447	0.00045
peak_15376	chr10	7858896	7859304	-55268	Intergenic	NM_001113504	il6st	6.638353464	4.010947721	2.627405743	2.37E-06
peak_26765	chr5	67660251	67660669	-6440	intron (NM_201076, intron 1 of 10)	NM_001110168	si:ch211-233f10.4	7.141090496	4.513748529	2.627341967	0.000718
peak_20970	chr17	23864864	23865446	-27035	Intergenic	NM_205752	b3gnt2b	7.636125442	5.008839359	2.627286083	6.59E-05
peak_30774	chr22	38458253	38458794	66878	Intergenic	NM_001113587	hykk.2	7.275734252	4.648686564	2.627047688	0.002468
peak_28467	chr5	54630367	54630797	-97471	Intergenic	NM_001114424	thbs4a	3.111880861	0.48510786	2.626773001	0.001275
peak_18255	chr25	27410954	27411738	12522	intron (NM_001045461, intron 3 of 3)	NM_001045461	zgc:153383	7.46796515	4.841365229	2.62659992	1.58E-05
peak_24082	chr22	871425	871865	-9730	Intergenic	NM_001109717	cept1b	5.423630148	2.797173329	2.626456819	0.000266
peak_15335	chr3	46403102	46403391	14767	Intergenic	NM_001017690	snrnp25	5.960899384	3.334858237	2.626041147	2.33E-06
peak_4940	chr23	58033	59431	51291	Intergenic	NM_130985	twist3	10.14605255	7.520437941	2.625614605	1.88E-12
peak_35923	chr4	41374652	41375852	-288750	Intergenic	NM_001115112	zgc:174698	7.561000949	4.935492334	2.625508615	0.008394
peak_20386	chr17	36968756	36969088	16772	exon (NM_001004110, exon 8 of 33)	NM_001004110	myo6b	6.330297903	3.704797569	2.625500334	5.06E-05
peak_15442	chr9	32553988	32554365	4207	intron (NM_001173502, intron 3 of 17)	NM_001173502	tmtc4	5.863595343	3.23895787	2.624637473	2.51E-06
peak_21524	chr11	16645853	16646210	44431	intron (NM_001030143, intron 5 of 9)	NM_001030143	slc25a26	5.592507058	2.967928738	2.62457832	8.63E-05
peak_8244	chr14	31810921	31811375	26015	Intergenic	NM_001123050	il2rgb	7.744406962	5.11983608	2.624570882	1.45E-09
peak_14756	chr1	43405148	43405474	661761	exon (NM_001159372, exon 13 of 16)	NM_001002577	suclg1	6.005828203	3.381280785	2.624547418	1.52E-06
peak_27964	chr4	40411561	40412038	-504651	Intergenic	NM_001100956	si:dkeyp-4c4.1	3.109335453	0.48510786	2.624227593	0.001092
peak_18404	chr23	2442855	2443176	7685	exon (NM_131230, exon 4 of 12)	NM_131230	tcp1	5.954531943	3.330417278	2.624114665	1.70E-05
peak_32859	chr1	4937441	4937864	-61196	Intergenic	NM_001145693	abcb6a	6.509303828	3.885881614	2.623422214	0.004235
peak_17934	chr21	22366559	22367092	-205281	Intergenic	NM_200141	zw10	6.53427146	3.910989117	2.623282344	1.32E-05
peak_20887	chr13	12303197	12303753	-22094	intron (NM_001145607, intron 12 of 20)	NM_001017691	dapp1	6.557606976	3.934549845	2.623057131	6.35E-05
peak_9223	chr4	26163437	26164037	231878	Intergenic	NM_200523	creld2	7.3943032	4.771287165	2.623016035	5.72E-09
peak_10984	chr3	62047652	62048127	11873	intron (NM_001017830, intron 3 of 11)	NM_001017830	baiap2l1b	6.816261989	4.193246976	2.623015013	4.80E-08
peak_37870	chr19	46885850	46886991	-13705	intron (NM_001083814, intron 13 of 26)	NM_200242	eps8	6.469841165	3.847845663	2.621995502	0.01245
peak_19489	chr8	23799937	23800252	-8327	exon (NM_001143977, exon 6 of 6)	NM_001039835	zgc:136605	5.82250287	3.201011725	2.621491145	3.07E-05
peak_21209	chr10	9900210	9900674	259538	Intergenic	NM_001044910	si:ch211-243g18.1	7.076932193	4.45607563	2.620856563	7.43E-05
peak_5607	chr21	19338185	19338902	113777	Intergenic	NM_001006022	zgc:103482	9.227034851	6.606244081	2.620790771	1.00E-11
peak_4956	chr18	19450382	19451187	21852	intron (NM_001045051, intron 3 of 3)	NM_001045051	LOC564395	9.399243465	6.77916483	2.620078636	1.95E-12
peak_26138	chr11	36752069	36752531	129038	Intergenic	NM_001113600	setmar	7.082782742	4.462735953	2.620046789	0.000577
peak_33909	chr21	39885	40673	37439	Intergenic	NM_212901	zer1	6.869823207	4.249946677	2.619876531	0.005422
peak_31137	chr9	29343377	29343656	-35217	Intergenic	NM_001017818	creb1b	5.228749629	2.609160782	2.619588847	0.002714
peak_12906	chr21	13394292	13395162	90793	intron (NM_201168, intron 12 of 17)	NM_201168	sfswap	8.520813957	5.901564085	2.619249872	3.18E-07
peak_19273	chr20	42210205	42210419	62848	Intergenic	NM_001002356	nus1	5.117628607	2.498613901	2.619014706	2.74E-05
peak_11333	chr1	48033625	48034383	36984	Intergenic	NM_200389	obfc1	8.410911926	5.792036297	2.61887563	6.89E-08
peak_8283	chr14	3052694	3053350	-50397	intron (NM_001024201_1, intron 2 of 2)	NM_001256043	slc35a4	7.575271108	4.957381869	2.617889239	1.55E-09
peak_14984	chr10	44819040	44819607	151846	Intergenic	NM_214688	vcanb	8.266100238	5.648532901	2.617567336	1.77E-06
peak_28007	chr20	14388538	14388919	-10959	Intergenic	NM_212646	grcc10	5.930517725	3.31351926	2.616998465	0.001106
peak_26441	chr2	21573620	21574131	70578	Intergenic	NM_201454	rab2a	6.331117371	3.714157138	2.616960234	0.000639
peak_21077	chr25	28347632	28348280	60366	intron (NM_001245960, intron 10 of 19)	NM_001080685	spam1	7.322885642	4.706061896	2.616823747	6.97E-05
peak_25460	chr13	13631731	13632555	38	promoter-TSS (NM_001159828)	NM_001159828	slc4a11	8.112067615	5.495579903	2.616487712	0.000459
peak_18879	chr11	35675422	35675871	-48654	intron (NM_001001818, intron 1 of 8)	NM_001079988	fam212aa	7.502052158	4.88583504	2.616217118	2.21E-05
peak_31453	chr14	597954	598358	-1184	intron (NM_212882, intron 8 of 12)	NM_001080086	zgc:158257	6.754755058	4.138916148	2.61583891	0.002954
peak_17596	chr3	59601199	59601592	61280	intron (NM_001285388, intron 10 of 15)	NM_001285388	si:ch73-281f12.4	6.159227425	3.543581791	2.615645634	1.05E-05
peak_18008	chr9	41098659	41099250	-14238	Intergenic	NM_001161762	si:zfos-1425h8.1	7.189595707	4.574265692	2.615330016	1.37E-05
peak_15023	chr25	1622844	1623513	-27464	Intergenic	NM_001077455	ppm1h	7.847884768	5.232643127	2.615241641	1.84E-06
peak_29018	chr14	27540036	27540303	5426	intron (NM_182862, intron 2 of 16)	NM_182862	tgfbi	5.831047278	3.216112763	2.614934515	0.00152
peak_8670	chr24	21197816	21198322	30593	Intergenic	NM_001077390	hhatlb	7.913432374	5.298577604	2.61485477	2.60E-09
peak_18919	chr5	17227194	17227610	-39097	Intergenic	NM_001003493	suds3	7.205060717	4.590409002	2.614651714	2.26E-05
peak_34493	chr21	37770079	37770366	-7958	Intergenic	NM_194372	hnf1bb	2.834474036	0.219835396	2.61463864	0.006184
peak_7768	chr8	39206204	39206842	174921	Intergenic	NM_001039526	prlhr2a	9.222653716	6.608395526	2.61425819	6.65E-10
peak_29119	chr5	58202115	58202472	131638	Intergenic	NM_001007340	ppm1db	5.612470073	2.998309919	2.614160154	0.00157
peak_12243	chr22	37039632	37040270	424985	Intergenic	NM_001202416	terf2ip	8.00083853	5.386983298	2.613855232	1.69E-07
peak_18464	chr24	28584577	28585004	164646	3' UTR (NM_131095, exon 17 of 17)	NM_001080203	hs6st1b	6.248020163	3.634173638	2.613846525	1.75E-05
peak_5486	chr7	1669532	1670588	15520	intron (NM_205559, intron 8 of 12)	NM_205559	lpcat4	9.214511153	6.600713909	2.613797243	7.40E-12
peak_13078	chr22	1949561	1950014	-679	promoter-TSS (NM_001114420)	NM_001114420	zgc:174919	7.370664002	4.757054202	2.6136098	3.81E-07
peak_6303	chr22	32116614	32117250	159352	Intergenic	NM_207637	adra2a	8.872973981	6.259674608	2.613299373	4.53E-11
peak_22114	chr6	52444554	52444783	73531	Intergenic	NM_001076755	uqcc1	5.997573204	3.384746383	2.612826821	0.000114
peak_13390	chr20	42941444	42942191	28950	Intergenic	NM_001089390	si:ch211-215m21.2	8.542733755	5.929968834	2.612764921	5.09E-07
peak_9144	chr10	266739	267415	8731	intron (NM_131836, intron 4 of 5)	NM_001002714	psmg1	7.825898284	5.213178331	2.612719953	5.10E-09
peak_7730	chr2	951318	952026	-48160	Intergenic	NM_001243344	foxq1a	9.166506006	6.553840264	2.612665742	6.35E-10
peak_5183	chr15	45747368	45748561	-37014	Intergenic	NM_001278822	igsf11	9.631117339	7.018452237	2.612665101	3.64E-12
peak_15685	chr7	34039154	34040304	11329	intron (NM_001005306, intron 4 of 9)	NM_001005306	slc39a13	8.607107242	5.994631849	2.612475394	3.02E-06
peak_27297	chr19	1533953	1534312	8658	intron (NM_183349, intron 2 of 24)	NM_183349	trpn1	3.665997984	1.054120914	2.61187707	0.000859
peak_13302	chr11	45424494	45424938	-22559	intron (NM_001015069_1, intron 3 of 3)	NR_023340		6.272182815	3.660545855	2.61163696	4.65E-07
peak_34782	chr24	11740659	11742954	60722	Intergenic	NM_198820	fen1	3.657311474	1.045780477	2.611530997	0.006533
peak_24796	chr11	30628698	30629029	15987	Intergenic	NM_201207	plekha3	6.302074075	3.690688099	2.611385976	0.000359
peak_15080	chr16	15628875	15629299	3438	intron (NM_001045846, intron 2 of 2)	NM_001045846	cdc42ep1b	6.063971374	3.452714357	2.611257018	1.92E-06
peak_8821	chr11	13311590	13312768	290	intron (NM_213416, intron 1 of 7)	NM_213416	elovl1b	9.188764905	6.577566799	2.611198106	3.29E-09
peak_7503	chr2	50410296	50410920	20334	Intergenic	NM_001076601	blvra	7.266457277	4.655415736	2.611041541	4.36E-10
peak_7598	chr12	48040843	48041705	19964	Intergenic	NM_001098781	lhpp	8.375387841	5.764829033	2.610558808	5.08E-10
peak_24931	chr8	33146954	33147319	47197	intron (NM_001159661, intron 4 of 28)	NM_001159661	zgc:91897	4.969386766	2.359175241	2.610211525	0.000378
peak_17254	chr20	40605167	40605911	-86600	Intergenic	NM_131867	hsf2	7.40176361	4.792028927	2.609734682	8.31E-06
peak_20778	chr7	53938639	53938918	74780	Intergenic	NM_214816	tcf12	5.787833233	3.178380957	2.609452276	6.05E-05
peak_11277	chr19	24958558	24959382	11453	intron (NM_001007280, intron 1 of 7)	NM_001007280	mtx1b	8.440018384	5.830607411	2.609410973	6.48E-08
peak_10141	chr1	40843345	40844034	-111647	Intergenic	NM_001077559	scoca	8.61982641	6.010841298	2.608985112	1.83E-08
peak_27460	chr20	19160652	19160986	13532	Intergenic	NM_001080750	sox7	6.62233592	4.013583694	2.608752226	0.000912

peak_22455	chr2	53698901	53699397	144862	Intergenic	NM_001002071	sirt6	7.397313513	4.789129756	2.608183757	0.000133
peak_15353	chr16	51118158	51118430	478720	Intergenic	NM_001013336	slc25a32b	5.83877329	3.231205477	2.607567812	2.34E-06
peak_21052	chr22	34217639	34217995	-61632	Intergenic	NM_001037661	slc6a6b	6.196066283	3.588514061	2.607552222	6.87E-05
peak_16200	chr12	37306495	37306899	-75540	Intergenic	NM_200236	unk	6.996368324	4.388898878	2.607469447	4.29E-06
peak_11174	chr12	43180161	43180526	10912	Intergenic	NM_001012245	bnip3	6.43537851	3.828256468	2.607122041	5.91E-08
peak_39169	chr10	2503061	2506986	-103894	Intergenic	NM_001008630	nxnl2	7.254979566	4.648058452	2.606921114	0.015749
peak_5633	chr4	18656254	18657216	19986	intron (NM_001013274, intron 10 of 16)	NM_001013274	hgfa	8.564609084	5.957745773	2.606863311	1.05E-11
peak_29174	chr24	21599456	21599956	21896	intron (NM_183067, intron 6 of 6)	NM_183067	drd3	4.859057077	2.25221264	2.606844437	0.001597
peak_5724	chr10	45473465	45473984	-7556	Intergenic	NM_001003782	sept5b	8.213319917	5.606890489	2.606429428	1.27E-11
peak_14826	chr21	1628563	1629004	-280368	Intergenic	NM_205605	wdr91	6.747599758	4.141478841	2.606120917	1.60E-06
peak_15233	chr13	53626576	53627150	5390	intron (NM_213270, intron 3 of 9)	NM_213270	lycat	6.480018374	3.873959255	2.606059119	2.16E-06
peak_22667	chr20	18977624	18977971	9695	intron (NM_001012257_1, intron 4 of 5)	NM_001012257_1	xkr6	6.55527105	3.949331063	2.605939987	0.000146
peak_15561	chr23	33581254	33581686	-6374	Intergenic	NM_001002424	slc48a1a	7.488483647	4.882688299	2.605795348	2.73E-06
peak_7174	chr5	17708434	17709058	13932	Intergenic	NM_131874	xbp1	8.134197812	5.528688069	2.605509744	2.39E-10
peak_27210	chr14	406230	406807	86794	Intergenic	NM_001017768	cops6	5.726309548	3.120902718	2.605406831	0.000835
peak_28633	chr5	70714588	70714926	33066	Intergenic	NM_001007401	b4galt4	6.163545752	3.558167226	2.605378526	0.001344
peak_18427	chr15	44627054	44627466	-67442	intron (NM_001045459, intron 3 of 4)	NM_200546_2	psmd2	6.096200529	3.49093684	2.605263688	1.71E-05
peak_13999	chr18	24953769	24954132	6614	intron (NM_001045188, intron 1 of 9)	NM_001045188	slco3a1	6.033673471	3.428556803	2.605116667	8.42E-07
peak_16162	chr3	27998720	27999112	32506	exon (NM_201498, exon 11 of 16)	NM_201498	abat	6.184608109	3.579695732	2.604912378	4.17E-06
peak_17808	chr1	9621040	9621462	28440	intron (NM_152956, intron 12 of 12)	NM_001039805	tnrc5	6.697092362	4.092473003	2.604619359	1.21E-05
peak_19488	chr19	37194239	37194743	-49924	Intergenic	NM_001082901	col8a2	6.795188204	4.190859469	2.604328735	3.06E-05
peak_33359	chr10	21635611	21636144	-4933	Intergenic	NM_001024097	pcdh1a3	6.934636321	4.330425633	2.604210689	0.004775
peak_11889	chr14	21571172	21571659	321598	Intergenic	NM_001080068	ids	7.491792586	4.887698358	2.604094228	1.20E-07
peak_14982	chr17	52056505	52056888	-96823	Intergenic	NM_001012488	zgc:113142	6.194866279	3.591458748	2.603407531	1.77E-06
peak_22544	chr2	29231307	29231593	-31513	Intergenic	NM_131110	cahz	5.811169177	3.207800294	2.603368883	0.000138
peak_10101	chr1	5166747	5167326	59363	Intergenic	NM_001256242	gtf3c3	7.282121372	4.679105822	2.60301555	1.74E-08
peak_5808	chr22	21309011	21309846	-38634	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	9.058774126	6.455879435	2.602894691	1.52E-11
peak_21265	chr14	45412709	45413152	-47094	Intergenic	NM_182885	pcdh10b	6.878466465	4.275728545	2.60273792	7.60E-05
peak_14057	chr16	25021831	25022341	-24152	Intergenic	NM_001003997	flad1	7.623123285	5.020497258	2.602626027	8.88E-07
peak_9981	chr16	20977380	20978306	-9060	Intergenic	NM_001098779	rapgef5b	8.647125279	6.044677068	2.602448211	1.53E-08
peak_6982	chr7	9121613	9122526	-213	promoter-TSS (NM_001077154)	NM_001077154	f13a1b	9.477208846	6.874804105	2.60240474	1.65E-10
peak_16815	chr24	20153767	20154142	85951	Intergenic	NM_001003846	sulf1	6.655722338	4.053446807	2.602275531	6.35E-06
peak_30379	chr4	45724912	45725325	-466781	Intergenic	NM_001128300	LOC100008037	2.822091642	0.219835396	2.602256247	0.002237
peak_18044	chr16	16834472	16834843	47652	Intergenic	NM_001004611	dscc1	6.483953798	3.881713409	2.602240389	1.40E-05
peak_29145	chr2	31480494	31481256	3622	exon (NM_001111190, exon 5 of 5)	NM_001111190	and2	6.476551647	3.874358421	2.602193225	0.001583
peak_13206	chr6	22551022	22551689	-43528	Intergenic	NM_001098754	igfbp5b	8.122458381	5.520473045	2.601985336	4.25E-07
peak_11031	chr14	6557738	6558118	56616	Intergenic	NM_001007455	thg1l	7.044568726	4.442838442	2.601730285	5.08E-08
peak_28181	chr12	28361559	28362037	60959	intron (NM_131709, intron 1 of 7)	NM_131709	zeb1b	6.388263664	3.787073406	2.601190258	0.00117
peak_24421	chr18	42925309	42925672	18048	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	5.926546995	3.325559762	2.600987232	0.000307
peak_12638	chr8	54390167	54391027	-20789	intron (NM_131296, intron 11 of 12)	NM_001118893	vps13a	8.406886276	5.805921735	2.600964541	2.47E-07
peak_20141	chr13	17421880	17422328	91231	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	6.938257743	4.33735934	2.600898402	4.46E-05
peak_17737	chr13	13490078	13490335	50641	Intergenic	NM_198916	foxi2	5.81822298	3.21747068	2.6007523	1.15E-05
peak_15297	chr6	50526240	50526742	109980	Intergenic	NM_001123252	si:dkey-46l15.1	6.79262393	4.19187639	2.60074754	2.26E-06
peak_9095	chr19	17344498	17345002	56359	intron (NM_001039524, intron 4 of 7)	NM_001039524	zfpm2b	7.820661967	5.220210779	2.600451188	4.78E-09
peak_14315	chr21	19421762	19422550	-120759	Intergenic	NM_213226	zgc:85869	7.226713181	4.626366868	2.600346312	1.07E-06
peak_24079	chr7	57010213	57010638	113679	Intergenic	NM_001003506	trappc2l	7.696768304	5.096448635	2.600319669	0.000266
peak_32285	chr4	19763032	19763419	14538	intron (NM_001045143, intron 1 of 36)	NM_001045143	nav3	6.080653828	3.480343026	2.600310803	0.003677
peak_23229	chr12	7292502	7293126	143438	intron (NM_001012486, intron 23 of 32)	NM_131003	dkk1b	6.57781179	3.97767182	2.60013997	0.000185
peak_30449	chr8	28805340	28805791	-94164	Intergenic	NM_001077371	cttnbp2nlb	6.40135834	3.801443347	2.599914993	0.002282
peak_12657	chr22	21974353	21975096	34444	intron (NM_001130604, intron 5 of 19)	NM_001130604	tle2	8.204021645	5.604133193	2.599888452	2.51E-07
peak_18745	chr8	43720126	43720468	33942	Intergenic	NM_001123259	si:ch211-158d24.	5.948827541	3.349773911	2.59905363	2.04E-05
peak_23011	chr5	3441601	3442355	-76484	Intergenic	NM_213022	ywhag1	7.049556282	4.450777305	2.598778977	0.00017
peak_12041	chr19	42352337	42352688	24278	Intergenic	NM_199593	shfm1	6.238716735	3.640056604	2.598660131	1.39E-07
peak_20703	chr15	38148567	38148947	64896	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	6.462864638	3.864459248	2.598405391	5.87E-05
peak_4996	chr10	13062506	13063276	17236	intron (NM_001004503, intron 9 of 16)	NM_001114892	musk	8.696026318	6.097675949	2.598350369	2.23E-12
peak_33217	chr11	38428963	38429369	-41896	Intergenic	NM_001040385	egfl7	6.829899457	4.2316402	2.598259256	0.004615
peak_15867	chr5	10064495	10064964	94451	Intergenic	NM_001113626	zgc:172315	6.23257273	3.634382177	2.598190553	3.44E-06
peak_18485	chr15	22563447	22563699	1925	intron (NM_001007330, intron 1 of 15)	NM_001007330	cbl	5.991691324	3.393976436	2.597714888	1.77E-05
peak_30423	chr22	20703349	20703858	20013	Intergenic	NM_001037391	map2k2a	6.942564372	4.344892864	2.597671508	0.002267
peak_5775	chr7	9501570	9502146	16854	exon (NM_001024426, exon 6 of 6)	NM_001024426	tex261	8.752912649	6.155591037	2.597321613	1.42E-11
peak_17769	chr7	457921	458330	58535	intron (NM_001079984, intron 1 of 8)	NM_001079984_1	nrxn2b	6.315451208	3.718130116	2.597321091	1.19E-05
peak_7817	chr14	38891592	38892882	685338	Intergenic	NM_001048055	lect2l	9.332927373	6.735624406	2.597302967	7.18E-10
peak_16359	chr3	31268122	31268451	-1220	TTS (NM_001080044)	NM_201112	arl6ip1	6.558540288	3.961618535	2.596921754	4.77E-06
peak_18497	chr12	41206175	41206456	854914	Intergenic	NM_001099246	abca5	5.508835131	2.912327186	2.596507944	1.78E-05
peak_25324	chr16	40980726	40981240	18161	intron (NM_200060, intron 3 of 4)	NM_200060	cdc42se1	6.850083601	4.253614855	2.596468746	0.000436
peak_15173	chr20	19271865	19272280	22953	Intergenic	NM_001030220	blk	6.922373484	4.325966616	2.596406868	2.05E-06
peak_19953	chr8	12069667	12070046	-3805	Intergenic	NR_030071		6.65418239	4.05797823	2.596204159	3.99E-05
peak_7990	chr8	11634956	11636077	40617	Intergenic	NM_200893	ampd1	9.856159228	7.2600881	2.596071128	9.39E-10
peak_24855	chr24	25379486	25380049	25636	intron (NM_001168263, intron 1 of 12)	NM_001168263	pde7a	6.825037253	4.229005949	2.596031304	0.000369
peak_29604	chr13	22532721	22533083	-28461	Intergenic	NM_001128761	opn4a	2.815860363	0.219835396	2.596024967	0.001806
peak_29605	chr14	7132222	7132535	32578	Intergenic	NM_001077568	ctsf	2.815860363	0.219835396	2.596024967	0.001806
peak_29606	chr17	14274625	14275062	51764	Intergenic	NM_200482	jkamp	2.815860363	0.219835396	2.596024967	0.001806
peak_22350	chr14	33443254	33443978	142683	Intergenic	NM_182868	f9a	6.675885605	4.080463026	2.595422579	0.000128
peak_18513	chr4	59586623	59586951	12110	intron (NM_001199134, intron 2 of 29)	NM_001199134	ptprb	6.08844812	3.493041587	2.595406534	1.80E-05
peak_16100	chr2	31043947	31044315	19862	intron (NM_001013270, intron 1 of 11)	NM_001013270	yes1	6.208641113	3.613529794	2.595111319	4.01E-06
peak_15981	chr16	56566086	56566815	40201	intron (NM_001098197, intron 3 of 10)	NM_001097586	nkd2b	8.111268122	5.516669637	2.594598485	3.72E-06
peak_12697	chr19	39366623	39367211	-39920	intron (NM_001122760, intron 21 of 26)	NM_001002733	nxph1	7.311980179	4.717511893	2.594468286	2.63E-07
peak_24037	chr15	1417150	1417582	-18204	intron (NM_001017906, intron 4 of 7)	NM_001007107	il12a	6.226696054	3.632367729	2.594328325	0.000261
peak_20899	chr7	69705535	69706087	-47346	Intergenic	NM_001082828	zgc:162592	7.059014253	4.464723154	2.594291098	6.41E-05
peak_37094	chr21	43815457	43816504	101107	intron (NM_001012389, intron 2 of 10)	NM_001001404	vdac1	6.567867394	3.973593893	2.594273501	0.010761
peak_10837	chr14	31347742	31348082	-13607	Intergenic	NM_001039172	fgf20b	6.106485105	3.512369818	2.594115287	4.05E-08
peak_27401	chr1	46999547	46999876	-96266	Intergenic	NM_001007327	cab39l	4.702814493	2.10908919	2.593725303	0.000893
peak_4706	chr3	60220132	60221426	31077	intron (NM_001113799, intron 13 of 14)	NM_001113799	zmp:000000068(	10.33935034	7.74563603	2.593714309	9.43E-13
peak_18559	chr13	1541590	1541991	-182153	Intergenic	NM_001110400_1	hmgcll1	6.181564593	3.587946349	2.593618244	1.84E-05
peak_11924	chr18	33314192	33314991	-203120	Intergenic	NM_001082996	ccdc19	7.701429658	5.108134641	2.593295017	1.26E-07
peak_10967	chr5	20111495	20111960	410543	Intergenic	NM_178304	zdhhc8b	7.210275194	4.617037322	2.593237872	4.71E-08
peak_26247	chr9	14580185	14580759	-195392	Intergenic	NM_001040366	prkag3b	7.374113905	4.780982501	2.593131404	0.000599
peak_10002	chr3	41268499	41268972	-297421	Intergenic	NM_212673	cyp3c1	7.344603395	4.751503251	2.593100144	1.57E-08
peak_4027	chr21	34810365	34812163	481	intron (NM_001001816, intron 1 of 7)	NM_001001816	sgcd	10.65246551	8.059441792	2.59302372	1.12E-13
peak_14371	chr10	11419826	11420293	55960	intron (NM_201103, intron 11 of 13)	NM_201103	cwc27	6.750881621	4.157942918	2.592938703	1.13E-06
peak_21140	chr14	36151577	36151967	42212	Intergenic	NM_001007108	il12ba	6.516314093	3.923609799	2.592704294	7.18E-05
peak_17220	chr9	57678101	57678449	30154	intron (NM_200682_1, intron 2 of 4)	NM_200682_1	akap17a	6.631039011	4.038834009	2.592205001	8.13E-06
peak_12829	chr6	18976119	18976664	18817	Intergenic	NM_001098259	si:rp71-81e14.2	7.422967291	4.831052743	2.591914548	2.98E-07
peak_24046	chr25	13946269	13946740	16291	intron (NM_200833, intron 2 of 5)	NM_200833	snrkb	6.538298398	3.946458437	2.591839961	0.000262
peak_17751	chr12	1965418	1965732	191788	Intergenic	NM_131643	sox9a	6.205052024	3.613227413	2.591824611	1.17E-05
peak_25231	chr21	1533501	1533760	-375521	Intergenic	NM_205605	wdr91	3.494735408	0.902938058	2.59179735	0.00042
peak_30087	chr10	45131739	45132319	43600	intron (NM_131312, intron 2 of 10)	NM_131312	mef2ca	6.559006718	3.967290641	2.591716078	0.00207
peak_35529	chr6	21313164	21313940	64722	Intergenic	NM_001082841	znf326	5.74901935	3.157458375	2.591560975	0.007724
peak_8852	chr12	3821108	3821828	40151	intron (NM_213148, intron 1 of 4)	NM_001204332	gngt2b	7.591367483	4.999885051	2.591482432	3.41E-09
peak_20962	chr23	44524925	44525377	-29879	intron (NM_131417, intron 15 of 16)	NM_200759	eif4e2rs1	6.638119871	4.046796702	2.591323169	6.57E-05
peak_22938	chr2	16802033	16802590	61489	Intergenic	NM_001114579	fam131a	7.258995855	4.668020507	2.590975348	0.000164
peak_5415	chr15	21673246	21674036	41252	Intergenic	NM_001077155	nars2	9.475790964	6.884820924	2.59097004	6.20E-12
peak_21529	chr22	42234622	42235126	-15349	Intergenic	NM_001013574	zgc:113516	5.846458146	3.256195239	2.590262907	8.67E-05
peak_23338	chr13	31182452	31182904	7900	intron (NM_001083819, intron 2 of 7)	NM_001083819	vstm4a	7.321503764	4.731255639	2.590248125	0.000193
peak_6039	chr9	21210880	21211567	194968	intron (NM_001159666, intron 3 of 8)	NM_001159666	igsf3	9.339979093	6.749928617	2.590050477	2.58E-11

peak_23147	chr18	20768023	20768437	59274	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	4.851417001	2.261376544	2.590040457	0.00018
peak_13432	chr9	32426405	32426817	111073	Intergenic	NM_131558	zic2a	7.071192708	4.481278707	2.589914001	5.24E-07
peak_21580	chr18	11531477	11531756	-31132	Intergenic	NM_001013335	zgc:110789	6.134993828	3.545293051	2.589700777	8.91E-05
peak_18491	chr8	9038284	9038713	-3946	Intergenic	NM_001020547	abt1	5.813539483	3.223971146	2.589568337	1.77E-05
peak_16086	chr19	319791	320065	-482	promoter-TSS (NM_200426)	NM_200426	ctssa	5.272735044	2.683377164	2.58935788	3.97E-06
peak_17752	chr21	13885522	13885934	-21995	Intergenic	NM_200784	chchd10	7.187033026	4.598155494	2.588877532	1.17E-05
peak_13836	chr17	45985912	45986288	10431	Intergenic	NR_029933		6.481481062	3.892881628	2.588599434	7.32E-07
peak_5411	chr11	38447782	38448492	-22925	Intergenic	NM_001040385	egfl7	10.04850392	7.460036512	2.588467412	6.12E-12
peak_9709	chr3	5833143	5833592	41817	Intergenic	NM_205641	txn2	7.395878224	4.807462037	2.588416187	1.10E-08
peak_8536	chr13	30577378	30578214	126073	Intergenic	NM_201216	rps24	8.788628921	6.200464117	2.588164805	2.20E-09
peak_27262	chr22	15743656	15743963	-4245	intron (NM_001024467, intron 2 of 8)	NM_213158	tpm4a	5.301484181	2.713774445	2.587709736	0.000853
peak_24009	chr20	54306637	54306903	11868	intron (NM_001044821, intron 3 of 21)	NM_001044821	ppp2r5cb	5.61606071	3.02848977	2.587570939	0.000257
peak_20529	chr17	44490388	44490913	3041	exon (NM_001020654, exon 2 of 8)	NM_001020654	ap5m1	7.062820712	4.475276991	2.587543721	5.36E-05
peak_10237	chr7	76872397	76872865	-23142	Intergenic	NM_001089531	zgc:163061	7.426692829	4.83928933	2.587403499	2.02E-08
peak_4900	chr11	16751788	16752958	150773	Intergenic	NM_001030143	slc25a26	10.02287548	7.435481988	2.587393489	1.71E-12
peak_23478	chr20	28876467	28877148	-8363	Intergenic	NM_131220	max	6.935027175	4.347710999	2.587316176	0.000205
peak_27211	chr5	838591	839385	-1253	TTS (NM_001002385)	NM_131461	tek	7.239007846	4.652574561	2.586433285	0.000835
peak_16318	chr6	10128873	10129613	87329	Intergenic	NM_001044895	scn1lab	7.870475521	5.284185128	2.586290392	4.64E-06
peak_20525	chr10	29893985	29894247	14940	intron (NM_200927, intron 1 of 19)	NM_200927	picalma	6.223168825	3.637141569	2.586027256	5.36E-05
peak_30966	chr22	11695735	11695986	9127	intron (NM_001166014, intron 2 of 8)	NM_001166014	gnav1	5.715028461	3.129173023	2.585855438	0.002599
peak_20983	chr19	45485828	45486437	1129	exon (NM_001100405, exon 2 of 3)	NM_001100405	nkd3	4.998605159	2.412885124	2.585720035	6.64E-05
peak_8598	chr25	28621569	28622384	10979	intron (NM_001083006, intron 1 of 10)	NM_001083006	wasla	8.175032938	5.589383957	2.58564898	2.36E-09
peak_17369	chr24	36946968	36947393	64522	Intergenic	NM_001008581	snai2	7.336440537	4.750916931	2.585523606	8.95E-06
peak_21679	chr6	27529632	27529948	-75095	intron (NM_001034179, intron 5 of 8)	NM_200602	cep63	5.766942689	3.181540241	2.585402448	9.31E-05
peak_15216	chr16	6032384	6032690	-31355	intron (NM_001080653, intron 8 of 10)	NM_001077257_1	foxo1a	6.453096518	3.867791506	2.585305012	2.12E-06
peak_15365	chr19	30300225	30300472	-40537	Intergenic	NM_001102573	ctgfb	5.519926288	2.935016411	2.584909876	2.35E-06
peak_22354	chr3	14354128	14354527	-18730	Intergenic	NM_001040248	nfixb	6.380880242	3.796108425	2.584771817	0.000128
peak_10549	chr11	46184864	46185401	-7568	intron (NM_001077304, intron 3 of 11)	NM_199576	srsf11	7.037370165	4.453354711	2.584015453	2.89E-08
peak_15220	chr14	42807345	42807965	13602	intron (NM_001007406, intron 2 of 3)	NM_001007406	xkrx	6.82173699	4.237836372	2.583900619	2.14E-06
peak_30754	chr16	46333796	46334728	53547	intron (NM_001114444_1, intron 4 of 10)	NM_001114444_1	oxr1a	5.077095029	2.493469792	2.583625237	0.002459
peak_25219	chr1	55837989	55838344	4556	exon (NM_001114563, exon 7 of 9)	NM_001114563	zgc:172106	5.666813271	3.083208282	2.583604989	0.000419
peak_12108	chr13	1406907	1407516	-126079	Intergenic	NM_201000	bag2	7.349337921	4.766084391	2.58325353	1.49E-07
peak_14883	chr21	31596221	31596631	8979	Intergenic	NM_194365	adra2db	6.895219036	4.311992211	2.583226825	1.66E-06
peak_23836	chr7	60769271	60769653	57894	intron (NM_001122773, intron 2 of 33)	NM_001122773	plcb3	6.69645654	4.113261211	2.583195329	0.00024
peak_21253	chr6	32977237	32977457	202863	Intergenic	NM_001042687	pomgnt1	5.483448122	2.900586221	2.582861901	7.57E-05
peak_33718	chr6	17322813	17323596	-675614	Intergenic	NM_131029	ntn1a	3.137236739	0.554393687	2.582843052	0.005173
peak_19108	chr21	25837316	25837946	-37899	intron (NM_001199768, intron 2 of 34)	NM_001007354	eif4ebp3	7.508231432	4.925720358	2.582511074	2.52E-05
peak_10279	chr3	52381598	52382565	77170	intron (NM_001040245, intron 3 of 12)	NM_001040245	baiap2a	7.232727442	4.650414272	2.58231317	2.15E-08
peak_31082	chr4	2546181	2546672	19976	intron (NM_001044997, intron 13 of 13)	NM_001024220	bcap29	5.019847667	2.438268731	2.581578936	0.00267
peak_20418	chr6	2600350	2600610	-171207	Intergenic	NM_200334	hyi	4.922906591	2.342001139	2.580905452	5.12E-05
peak_19793	chr16	44688206	44688811	45214	Intergenic	NM_001077539	scn1ba	7.294234872	4.713516791	2.580718081	3.63E-05
peak_22939	chr1	29168246	29168580	97380	intron (NM_001080616, intron 32 of 44)	NM_001080616	vps8	5.806462687	3.225870074	2.580592613	0.000165
peak_29948	chr23	481516	481950	27843	Intergenic	NM_212572	hm13	2.800163388	0.219835396	2.580327992	0.001994
peak_16495	chr6	48820827	48821071	-148525	Intergenic	NM_001256640	si:ch211-105j21.1	5.527572549	2.947466221	2.580106328	5.25E-06
peak_10665	chr5	56868251	56868970	69582	Intergenic	NM_001003753	gna14	9.452960063	6.872870144	2.580089919	3.35E-08
peak_9901	chr7	12836241	12837050	47948	Intergenic	NM_001080993	mex3b	9.329236739	6.749358161	2.579878579	1.40E-08
peak_13088	chr14	30775499	30776459	-69010	Intergenic	NM_001079996	cyp4v7	9.182746704	6.602956117	2.579790587	3.85E-07
peak_4905	chr16	8652880	8655313	8676	intron (NM_199515, intron 4 of 6)	NM_199515	prdm1a	9.866590766	7.286917091	2.579673675	1.75E-12
peak_19564	chr15	10312016	10312411	112184	Intergenic	NM_001002694	prcp	6.619418835	4.0402974	2.579121435	3.21E-05
peak_24047	chr23	23460629	23460951	12769	intron (NM_001003830, intron 11 of 18)	NM_001003830	noc2l	5.58654472	3.008140394	2.578404326	0.000263
peak_9005	chr6	26227259	26228403	40280	Intergenic	NM_001037680	sox14	9.070793454	6.492564644	2.578228811	4.23E-09
peak_16309	chr11	13724970	13725370	11216	Intergenic	NM_199939	arrdc2	6.527824743	3.949664654	2.578160089	4.62E-06
peak_18651	chr5	45537580	45538114	48876	Intergenic	NM_001013558	zgc:112966	6.911048738	4.332937025	2.578111712	1.94E-05
peak_12616	chr4	12012300	12012789	16241	intron (NM_131229, intron 7 of 9)	NM_131229	wif1	6.681074652	4.103043436	2.578031216	2.42E-07
peak_18696	chr12	50535582	50536103	-28165	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	6.60840675	4.030503896	2.577902854	1.99E-05
peak_25166	chr12	13928680	13929305	-295673	Intergenic	NM_131014	cmn	7.777938418	5.20038112	2.577557297	0.000412
peak_4244	chr24	22155296	22156243	6882	intron (NM_001080590, intron 1 of 8)	NM_001080590	wasf3b	10.31933325	7.741870186	2.577463065	2.29E-13
peak_30432	chr13	33790027	33790354	-40986	Intergenic	NM_213639	cfl1	2.797003394	0.219835396	2.577167998	0.002273
peak_13639	chr9	48981226	48981511	83201	Intergenic	NM_212699	arpc2	5.827567192	3.250585643	2.57698155	6.25E-07
peak_11193	chr16	33677772	33678347	60996	Intergenic	NM_001130609	zgc:194210	7.016934974	4.440623541	2.576311433	5.98E-08
peak_18882	chr14	32584442	32584675	-51465	Intergenic	NM_001282374	tmtops3a	5.406047713	2.829967862	2.576079851	2.22E-05
peak_24658	chr19	33236538	33237116	50193	intron (NM_001044918, intron 2 of 8)	NM_001044918	znf704	7.722144571	5.146133717	2.576010854	0.000339
peak_6047	chr2	58920798	58921583	12614	Intergenic	NM_001009556_1	ncstn	8.579202136	6.003208882	2.575993254	2.67E-11
peak_32206	chr2	22313616	22314087	4350	intron (NM_001077606, intron 4 of 9)	NM_001077606	amotl2b	6.949706724	4.374214803	2.57549192	0.003597
peak_10687	chr1	21801261	21801933	175757	Intergenic	NM_212731	gtf2e2	7.553619995	4.978333198	2.575286797	3.42E-08
peak_4556	chr23	9569634	9570459	-45383	Intergenic	NM_199872	osbpl2b	9.559214134	6.984132627	2.575081507	6.31E-13
peak_27097	chr3	31272530	31272896	-5647	exon (NM_001080044, exon 58 of 62)	NM_201112	arl6ip1	6.008582688	3.433711236	2.574871452	0.000803
peak_25969	chr3	16487230	16487484	25391	exon (NM_001077729, exon 5 of 8)	NM_001077729	zgc:153952	5.81705353	3.24234816	2.57470537	0.000543
peak_22017	chr15	39619896	39620510	66840	Intergenic	NM_131395	mtnr1ba	8.176258414	5.601695171	2.574563242	0.00011
peak_15920	chr5	71383746	71384200	17965	Intergenic	NM_001168464	tnfsf13	7.210126717	4.635757043	2.574369675	3.55E-06
peak_9609	chr14	28987832	28988217	63797	Intergenic	NM_200569	tsc22d3	6.566244234	3.99217234	2.574071894	9.68E-09
peak_19868	chr15	36971623	36972026	52217	intron (NM_001044799, intron 7 of 12)	NM_001044799	stim1a	6.42129332	3.847355596	2.573937724	3.81E-05
peak_11310	chr25	13506812	13507650	45622	Intergenic	NM_199604	map1lc3b	6.28070812	3.706996274	2.573711845	6.74E-08
peak_5396	chr4	3050801	3051290	173416	Intergenic	NM_213306	pik3cg	8.821048079	6.247680609	2.57336747	5.86E-12
peak_22002	chr24	307851	308324	31427	intron (NM_001013328, intron 2 of 4)	NM_001020572	impa2	6.265020251	3.691680921	2.57333933	0.000109
peak_18337	chr1	39799498	39799871	49280	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	6.165709012	3.59237159	2.573337421	1.64E-05
peak_21590	chr24	4034039	4034337	192404	Intergenic	NM_201461	klf6a	4.002039684	1.429012063	2.573027621	8.96E-05
peak_6671	chr21	16197948	16199804	-84109	Intergenic	NM_001012312	gsna	10.45679782	7.884072116	2.572725706	9.26E-11
peak_28144	chr12	111138	111384	98164	Intergenic	NM_001089421	map2k4b	5.333043566	2.760518657	2.572524909	0.001156
peak_10713	chr12	49418085	49418651	3636	intron (NM_198811, intron 1 of 18)	NM_198811	pald1a	7.016085923	4.443856224	2.572229699	3.51E-08
peak_23440	chr18	31363165	31363607	-89240	Intergenic	NM_001007395_2	def8	3.774593768	1.202526247	2.572067521	0.000201
peak_23839	chr15	26675210	26675427	-37968	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	5.355802914	2.783972643	2.571830271	0.000241
peak_23566	chr11	45269218	45269427	-10661	intron (NM_001015069_1, intron 3 of 3)	NM_001077318	clcn4	5.27216622	2.70062424	2.57154198	0.000212
peak_8875	chr24	4357460	4357896	-131086	Intergenic	NM_201461	klf6a	7.53793663	4.966441774	2.571494856	3.50E-09
peak_26777	chr14	49026268	49026686	-20652	Intergenic	NM_001004116	elf2a	6.320670792	3.749572779	2.571098012	0.000723
peak_22001	chr23	2808474	2808862	6647	intron (NM_194407, intron 1 of 29)	NM_194407	plcg1	6.829319564	4.258585974	2.57073359	0.000109
peak_16210	chr17	6745344	6745673	24632	Intergenic	NM_001287088	zgc:172341	6.889089251	4.318378574	2.570710677	4.32E-06
peak_6019	chr18	42628505	42629022	89331	Intergenic	NM_001045140	si:ch211-151h10.4	8.521250358	5.950899553	2.570350805	2.48E-11
peak_4985	chr23	8903598	8904788	-64240	Intergenic	NM_200986	tcea2	10.30381534	7.733494931	2.570320414	2.15E-12
peak_14151	chr19	36866568	36867079	43081	Intergenic	NM_001020633	ndufs5	8.420459349	5.850200398	2.570258951	9.50E-07
peak_28671	chr13	25263737	25264179	158034	intron (NM_001272084, intron 6 of 10)	NM_001272084	adka	6.011973695	3.441925398	2.570048297	0.001358
peak_22639	chr16	20959642	20960111	-27027	Intergenic	NM_001098779	rapgef5b	6.547259349	3.977291382	2.569967967	0.000144
peak_17394	chr22	26445218	26445654	-36419	Intergenic	NM_201342	dnaja3b	5.935935756	3.36606247	2.569873286	9.10E-06
peak_19795	chr23	28120510	28121153	-23259	Intergenic	NM_153643	acvrl1	7.66269603	5.092959297	2.569736733	3.64E-05
peak_25951	chr4	42006672	42007753	-287419	Intergenic	NM_001114884	zgc:174696	3.449046535	0.87932337	2.569723165	0.000541
peak_15478	chr16	35456916	35458187	1156	intron (NM_201204, intron 1 of 8)	NM_201204	rhbdl2	8.209602597	5.640514583	2.569088015	2.57E-06
peak_7086	chr21	876843	877611	-44669	Intergenic	NM_194432	oaz2a	8.296700419	5.727653913	2.569046506	2.04E-10
peak_16808	chr15	15666819	15667179	224616	Intergenic	NM_001077156	tyw1	6.076098726	3.507218687	2.568880039	6.33E-06
peak_19975	chr1	53543018	53543402	212227	Intergenic	NM_001039565	il15	6.759215296	4.190352354	2.568862942	4.06E-05
peak_17000	chr12	37338729	37338991	-60149	Intergenic	NM_001278802	kcnj2a	5.877520948	3.30880473	2.568716218	7.04E-06
peak_19577	chr22	13198962	13199597	-16994	intron (NM_131264, intron 3 of 10)	NM_001024816	ahr1b	6.610420152	4.041725132	2.56869502	3.24E-05
peak_16401	chr13	52186182	52186572	-30429	Intergenic	NM_001045030	prtga	6.760038755	4.191593975	2.56844478	4.91E-06
peak_30877	chr10	34090420	34090735	-36076	Intergenic	NM_001017871	myl10	5.929054036	3.361219288	2.567834748	0.002543
peak_28558	chr2	899930	900490	-2442	Intergenic	NM_001083815	foxf2a	6.256113835	3.688301244	2.56781259	0.001314
peak_9164	chr25	3004195	3004608	2569	exon (NM_001033110, exon 3 of 8)	NM_001033110	mpi	6.986336015	4.418714039	2.567621975	5.23E-09

peak_5206	chr2	15342668	15343702	40284	intron (NM_001184954, intron 4 of 66)	NM_001184954	col11a1b	9.474891625	6.907307381	2.567584244	3.82E-12
peak_14357	chr6	15088158	15088699	43477	intron (NM_001003492, intron 1 of 3)	NM_001003492	nck2b	7.448543158	4.881101655	2.567441504	1.11E-06
peak_9430	chr12	18090866	18091201	0	promoter-TSS (NM_001190464)	NM_001190464	LOC100001239	6.894110386	4.326890223	2.567220163	7.68E-09
peak_24734	chr25	10250493	10250764	-377177	Intergenic	NM_001039822	ehf	5.988578346	3.421667826	2.56691052	0.000349
peak_20823	chr9	12889926	12890244	-19111	Intergenic	NM_201197	tra2b	5.766942689	3.200397551	2.566545138	6.19E-05
peak_17365	chr24	27072894	27073263	6883	Intergenic	NM_001197254	and1	5.749428098	3.184049525	2.565378573	8.91E-06
peak_9377	chr19	38697484	38698010	5586	Intergenic	NM_001044823	cx39.4	7.690803083	5.125583607	2.565219477	7.11E-09
peak_17183	chr24	39120672	39120988	12904	intron (NM_001267587_1, intron 4 of 5)	NM_001267587_1	rhbdl1	5.045410894	2.480416924	2.56499397	7.92E-06
peak_19920	chr10	20235165	20235587	21289	intron (NM_001080594, intron 3 of 13)	NM_001080594	ppp3ccb	6.611121277	4.046153422	2.564967855	3.93E-05
peak_9471	chr14	14692107	14692877	104654	intron (NM_001114729, intron 3 of 25)	NM_001258226	dicp2.1	9.160818865	6.595945828	2.564873037	8.05E-09
peak_25525	chr21	14444895	14445281	-22620	Intergenic	NM_131840	tnfrsfa	6.345279581	3.780633052	2.564646529	0.000467
peak_17479	chr13	47170154	47170392	-2498	Intergenic	NM_001030177	slc29a1a	5.669864721	3.105388657	2.564476065	9.60E-06
peak_34717	chr25	25976018	25976684	47629	Intergenic	NM_001142267_1	LOC100216314	2.784293744	0.219835396	2.564458349	0.006451
peak_34716	chr2	19031624	19032032	-186187	Intergenic	NM_213080	cdc20	2.784293744	0.219835396	2.564458349	0.006451
peak_34718	chr6	59902752	59902990	35782	Intergenic	NM_199817	tgds	2.784293744	0.219835396	2.564458349	0.006451
peak_34715	chr17	12431830	12432419	-70616	Intergenic	NM_001045342	emilin1b	2.784293744	0.219835396	2.564458349	0.006451
peak_15547	chr3	53384748	53385047	62303	Intergenic	NM_001004117	pgls	5.543742525	2.979360499	2.564382026	2.71E-06
peak_24349	chr14	38887672	38888418	681146	Intergenic	NM_001048055	lect2l	7.309878996	4.746006649	2.563872347	0.000299
peak_17301	chr16	12779646	12780864	-166021	Intergenic	NM_131390	gsk3ab	8.6614382	6.09784815	2.563590051	8.51E-06
peak_17243	chr12	16606351	16606875	92936	Intergenic	NM_001162849	nmt1b	8.11985716	5.556319653	2.563537507	8.24E-06
peak_4397	chr21	10056155	10057561	21613	intron (NM_001130591, intron 2 of 29)	NM_001130591	cast	10.98608239	8.422644539	2.563437855	3.84E-13
peak_8528	chr16	51984946	51985953	35250	Intergenic	NM_131612	pbx2	8.906005344	6.342812034	2.56319331	2.18E-09
peak_17810	chr13	34202944	34203258	-151466	intron (NM_200549, intron 5 of 19)	NM_001256646	flrt3	5.829114934	3.265934563	2.56318037	1.21E-05
peak_11932	chr5	17069623	17070096	-52224	Intergenic	NM_213323	pebp1	6.095254858	3.532112642	2.563142216	1.27E-07
peak_14575	chr4	6463723	6464251	-59019	Intergenic	NM_001114883	cald1b	8.1511932	5.588134636	2.563058563	1.31E-06
peak_10180	chr23	39588243	39588665	96000	intron (NM_001003837, intron 8 of 11)	NM_001003837	src	7.160014237	4.596965063	2.563049174	1.90E-08
peak_23296	chr2	46780496	46781057	-338037	Intergenic	NM_201020_1	gpc1b	7.218000826	4.655085161	2.562915665	0.00019
peak_29377	chr2	50526405	50527085	21663	intron (NM_001145764, intron 2 of 28)	NM_001145764	hecw1b	4.829843083	2.267453635	2.562389449	0.001697
peak_22160	chr17	35735048	35735449	-206785	Intergenic	NM_001025556	rsad2	6.747178552	4.185057055	2.562121497	0.000117
peak_18798	chr22	4009709	4010046	11499	exon (NM_001135790, exon 14 of 42)	NM_001135790	fbn2b	5.948094724	3.386044818	2.562049906	2.11E-05
peak_23527	chr3	14422761	14423294	49970	intron (NM_001040248, intron 2 of 10)	NM_001040248	nfixb	7.905816656	5.344074555	2.561742101	0.000209
peak_27310	chr5	45541026	45541638	52361	Intergenic	NM_001013558	zgc:112966	7.419481491	4.85779558	2.561685911	0.000864
peak_31775	chr18	7034645	7035134	5519	Intergenic	NR_104060		5.834904221	3.273245387	2.561658833	0.003249
peak_25069	chr18	28982618	28982953	-289883	Intergenic	NM_131515	spon1a	4.760873571	2.199618821	2.56125475	0.000398
peak_42055	chr12	50547892	50548756	-15683	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	7.164014692	4.602843527	2.561171165	0.024842
peak_21159	chr20	26753328	26753682	21523	intron (NM_001102475, intron 9 of 10)	NM_131729	foxc1b	6.234926932	3.674086418	2.560840514	7.26E-05
peak_24107	chr20	26435226	26435650	11132	3' UTR (NM_213415, exon 3 of 3)	NM_213415	zbtb2b	5.81822298	3.257595988	2.560626992	0.000269
peak_25864	chr6	59857107	59857485	-45503	Intergenic	NM_001080701	slc32a1	6.137494405	3.576963204	2.560531201	0.000524
peak_26585	chr24	37436464	37436770	29176	Intergenic	NM_001076717	abcd4	5.638353464	3.078031201	2.560322263	0.00067
peak_11314	chr10	36525690	36526513	-51553	Intergenic	NM_001083549	zdhhc20a	9.021936697	6.461784156	2.560152541	6.77E-08
peak_5092	chr22	40994731	40996258	-588	promoter-TSS (NM_001002421)	NM_001002421	commd2	9.886487336	7.326390805	2.560096531	2.87E-12
peak_13423	chr23	4689057	4689539	70179	intron (NM_181498_1, intron 5 of 5)	NM_199749	cnbpa	7.571237342	5.011365107	2.559872235	5.20E-07
peak_17797	chr7	63459297	63459698	568264	Intergenic	NM_200491	tbc1d19	5.206856367	2.647100393	2.559755974	1.20E-05
peak_21474	chr16	54971988	54972472	61843	Intergenic	NM_001082926	si:ch211-107n13.	6.405498845	3.845779199	2.559719646	8.43E-05
peak_12013	chr18	29948033	29948357	-36888	Intergenic	NM_001128400	si:ch73-103b9.2	6.077095029	3.517803149	2.55929188	1.36E-07
peak_22158	chr18	2297441	2297897	-122957	Intergenic	NM_207073	relt	6.424654253	3.86572539	2.558928863	0.000117
peak_8102	chr12	48553941	48554739	80	promoter-TSS (NM_130934)	NM_130934	hhex	10.54366201	7.984810853	2.558851154	1.14E-09
peak_15495	chr3	39173554	39174210	11161	Intergenic	NM_001015061	retsat	7.092973854	4.534764053	2.558209801	2.60E-06
peak_11075	chr19	44452962	44453654	3208	intron (NM_213360, intron 1 of 17)	NM_213360	pdcd6ip	8.891972291	6.33404113	2.557931161	5.37E-08
peak_19266	chr16	15693116	15693470	-20457	Intergenic	NM_199964	rcv1	5.355265922	2.797557345	2.557708578	2.73E-05
peak_19056	chr23	19832188	19832502	-20599	Intergenic	NM_001201403	si:ch211-222g5.3	4.663346902	2.105802687	2.557544216	2.45E-05
peak_22998	chr22	12580636	12580977	19829	Intergenic	NM_199522	rnd3a	6.695171678	4.137971131	2.557200547	0.000169
peak_9100	chr18	31701070	31701682	-48779	Intergenic	NM_001126451	v2rh7	6.724855296	4.167706404	2.557148892	4.82E-09
peak_15210	chr21	36470350	36470921	40555	intron (NM_001007405_1, intron 7 of 11)	NM_200505	znf131	7.879861799	5.322946659	2.556915139	2.11E-06
peak_13822	chr22	23121160	23121875	-34640	Intergenic	NM_131463	nr5a2	8.930512468	6.373896388	2.556616079	7.23E-07
peak_13931	chr23	45043181	45044120	23848	Intergenic	NM_001201337	LOC794400	9.331318184	6.775002239	2.556315944	7.89E-07
peak_25096	chr15	26545993	26546812	-166884	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	7.864061754	5.308273324	2.555788429	0.000402
peak_17091	chr7	68584337	68584888	-116480	Intergenic	NM_001110471_1	parvab	7.45698084	4.901822007	2.555158833	7.45E-06
peak_16263	chr8	53352944	53354456	-104128	Intergenic	NM_001002178	zgc:91909	8.799647068	6.244680058	2.55496701	4.46E-06
peak_32608	chr4	7676197	7676540	-85970	Intergenic	NM_130937	wnt5b	5.696444173	3.141628323	2.55481585	0.003986
peak_18896	chr9	26131936	26132653	82661	Intergenic	NM_001017796	esd	7.873390491	5.318643273	2.554747217	2.24E-05
peak_23502	chr23	19232650	19233074	-184	promoter-TSS (NM_200803)	NM_200803	cox4i2	6.726321662	4.171960357	2.554361306	0.000207
peak_19219	chr5	63190878	63191116	-23854	Intergenic	NM_001099995	rangrf	5.676328145	3.12222	2.554108144	2.66E-05
peak_4159	chr21	7358346	7359518	-89370	Intergenic	NM_001102624	zgc:171965	10.42684417	7.872748255	2.554095913	1.69E-13
peak_17713	chr7	19550161	19550582	170850	Intergenic	NM_001099228	cd248a	6.942028049	4.389070319	2.55295773	1.14E-05
peak_20666	chr14	11077651	11077970	-75178	Intergenic	NM_001077781	zdhhc15b	5.91051123	3.357837062	2.552674168	5.77E-05
peak_15203	chr18	25014244	25014829	5317	Intergenic	NM_001044330	si:dkeyp-59c12.1	6.940417886	4.388315669	2.552102217	2.10E-06
peak_19570	chr9	388979	389454	8830	TTS (NM_001080074)	NM_001034185	crfb5	6.251504061	3.699773649	2.551730412	3.22E-05
peak_28010	chr15	9679647	9679951	97151	Intergenic	NM_001130789	zgc:193616	4.772228956	2.220512599	2.551716357	0.001107
peak_15883	chr13	23437187	23438297	-68763	Intergenic	NM_001077290	khdrbs2	8.788190105	6.237311783	2.550878322	3.47E-06
peak_7747	chr19	15368668	15369371	-79119	Intergenic	NM_199211	ctps1a	8.148784704	5.597948729	2.550835975	6.46E-10
peak_5735	chr14	51803135	51804046	81258	intron (NM_001017782_1, intron 14 of 17)	NM_001017782_1	dctn4	9.111392016	6.56071425	2.550677766	1.30E-11
peak_28621	chr15	17861521	17862788	120721	intron (NM_001113552, intron 7 of 8)	NM_001113552	cadm1b	3.025258877	0.474639816	2.550619061	0.00134
peak_9071	chr16	22739536	22740173	-83319	Intergenic	NM_001008631	jazf1b	8.102241664	5.552140816	2.550100848	4.65E-09
peak_10109	chr25	24845858	24846275	-48227	Intergenic	NM_131149	th	6.699209745	4.149726875	2.54948287	1.75E-08
peak_11988	chr22	7302023	7302527	-95432	Intergenic	NM_214791	asic1b	6.763494852	4.214476335	2.549018517	1.33E-07
peak_24279	chr4	6982211	6982526	-25249	Intergenic	NM_001017823	phyh	5.516087906	2.967223393	2.548864513	0.000291
peak_32792	chr1	23987359	23988119	46712	Intergenic	NM_001130587	tmem154	6.772607719	4.223991729	2.54861599	0.004167
peak_13761	chr6	30225547	30225885	42219	exon (NM_001110470, exon 2 of 23)	NM_001110470	wwc3	5.976018071	3.427753709	2.548264363	6.87E-07
peak_34670	chr10	11508723	11509095	144810	Intergenic	NM_201103	cwc27	3.25733105	0.709096771	2.548234279	0.006403
peak_8448	chr10	829234	830510	-152430	Intergenic	NM_001080607	glis3	9.209423413	6.661403896	2.548019517	1.96E-09
peak_18844	chr5	36618996	36619416	3545	Intergenic	NM_212913	foxd1l	6.464359338	3.916385289	2.547974049	2.18E-05
peak_16687	chr16	26689568	26689950	67573	intron (NM_001007428, intron 1 of 7)	NM_001007428	cadm4	6.557620592	4.009876198	2.547744395	5.90E-06
peak_19128	chr22	24530772	24531185	21072	Intergenic	NR_029937		6.570659205	4.022955943	2.547703261	2.55E-05
peak_30616	chr3	53167048	53167591	691	exon (NM_001166291, exon 1 of 2)	NM_001166291	ptger1c	6.312932259	3.765277983	2.547654276	0.002377
peak_17215	chr9	7220423	7221070	59609	Intergenic	NM_001007305	creg2	7.95247125	5.405309347	2.547161903	8.09E-06
peak_12307	chr19	21554684	21555506	271290	Intergenic	NM_214704	cndp2	8.124841621	5.578649875	2.546191746	1.81E-07
peak_13021	chr5	12791199	12791557	105799	Intergenic	NM_001128707	nf2a	6.210423655	3.664519465	2.545904189	3.62E-07
peak_11527	chr14	17905577	17906280	-1794	exon (NM_001109943, exon 6 of 6)	NM_001110290	olfch1	7.571801766	5.025942161	2.545859604	8.43E-08
peak_19470	chr11	16339535	16340378	24388	intron (NM_001033727, intron 1 of 6)	NM_001033727	draxin	7.906927038	5.361133174	2.545793864	3.03E-05
peak_26153	chr13	53934851	53935563	7664	TTS (NM_200520)	NM_200520	zgc:66337	7.676650557	5.130945682	2.545704875	0.00058
peak_18458	chr4	20406566	20406925	-4230	Intergenic	NM_001006015	pawr	5.804867496	3.259293562	2.545573934	1.74E-05
peak_7091	chr22	34698972	34699803	-335220	Intergenic	NM_001076629	manf	9.571337769	7.025878268	2.545459501	2.07E-10
peak_7338	chr13	1064956	1065615	37908	Intergenic	NM_001256207	perp	9.219476828	6.674066346	2.545410482	3.25E-10
peak_25655	chr24	38205428	38206146	-27948	Intergenic	NM_001002675	ccr10	3.59113946	1.045780477	2.545358983	0.000488
peak_8127	chr14	38190143	38191138	-5862	Intergenic	NM_001020465	zgc:113271	9.354592443	6.809471338	2.545121104	1.20E-09
peak_11434	chr19	26518810	26519775	62627	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	8.432566512	5.887534645	2.545031867	7.67E-08
peak_23735	chr13	710209	711095	3617	intron (NM_001109731, intron 2 of 5)	NM_001109731	zgc:173962	6.492295346	3.947612748	2.544682598	0.000229
peak_27828	chr2	4880955	4881364	21869	intron (NM_001012388, intron 2 of 21)	NM_001012388	dlg1l	4.539021661	1.994825282	2.544196379	0.001041
peak_13680	chr2	142202	143211	-10702	intron (NM_205606, intron 4 of 7)	NM_213281	fggy	9.166427251	6.622456585	2.543970666	6.46E-07
peak_23655	chr20	15890320	15890965	72253	Intergenic	NM_001044818	fam20b	7.383918664	4.839996637	2.543922027	0.000221
peak_26048	chr8	55203927	55204301	32426	intron (NM_212609, intron 1 of 11)	NM_212609	gnb1a	5.640999424	3.097194016	2.543805408	0.000558
peak_5928	chr15	26195141	26195966	71739	Intergenic	NM_001075106	ccdc9	8.305086538	5.761300477	2.543786061	2.00E-11
peak_9188	chr23	13534352	13535013	-181526	Intergenic	NR_030650		7.95656388	5.412911764	2.543652116	5.43E-09
peak_7341	chr16	49748860	49749422	14530	Intergenic	NM_001277319	tmem176l.4	8.417939539	5.87428991	2.543649629	3.26E-10

peak_9744	chr1	52344391	52345219	23807	Intergenic	NM_212969	dand5	7.705660926	5.16202623	2.543634695	1.15E-08
peak_5641	chr15	43732826	43733914	59933	Intergenic	NM_131672	csf1ra	9.331380469	6.787879252	2.543501217	1.08E-11
peak_8175	chr5	35683122	35684071	-105911	TTS (NM_001128543)	NM_200354	zgc:63972	8.851050043	6.307570508	2.543479535	1.27E-09
peak_19235	chr4	5014748	5015138	8680	intron (NM_001045068, intron 3 of 4)	NM_001045068	ccnd2b	6.96090968	4.41753203	2.54337765	2.68E-05
peak_23686	chr20	546794	547576	-9545	exon (NM_001104943, exon 12 of 12)	NM_001030225	dse	7.570305462	5.027361546	2.542943916	0.000224
peak_6351	chr23	23456747	23457658	16357	intron (NM_001003830, intron 12 of 18)	NM_001003830	noc2l	9.685411568	7.142560524	2.542851045	5.03E-11
peak_22034	chr17	40328824	40329382	375770	Intergenic	NR_048925_2		7.084737114	4.541910371	2.542826743	0.000111
peak_21851	chr7	47444064	47444353	-129082	Intergenic	NM_001020749	pop4	5.547508126	3.004730389	2.542777736	0.000102
peak_23404	chr23	33112301	33112915	-391336	Intergenic	NR_029935		7.418846707	4.876117287	2.542729419	0.000198
peak_8848	chr10	37039567	37040445	-166242	Intergenic	NM_001020555	ovca2	7.768758457	5.226150607	2.54260785	3.40E-09
peak_25727	chr17	3775761	3776421	81185	intron (NM_001020655, intron 9 of 9)	NM_001083542	hao1	7.564489555	5.02189814	2.542591415	0.000501
peak_18426	chr2	41455954	41456397	29702	intron (NM_001020567, intron 1 of 14)	NM_001020567	zgc:110158	6.892064848	4.34953789	2.542526958	1.71E-05
peak_31600	chr23	174175	174774	35851	Intergenic	NM_001077296	zgc:153351	6.652010583	4.109880077	2.542130506	0.003083
peak_19319	chr1	39110313	39110721	787	intron (NM_214687, intron 1 of 6)	NM_214687	gpm6ab	6.696444173	4.154341235	2.542102939	2.81E-05
peak_13049	chr24	11229106	11229482	-10898	Intergenic	NM_200178	acad11	6.485412503	3.943462657	2.541949846	3.71E-07
peak_7044	chr11	36361458	36361904	156447	Intergenic	NM_200450	camkvb	7.91854079	5.376634176	2.541906613	1.87E-10
peak_5397	chr8	39230838	39232001	174542	Intergenic	NM_001042766	pdlim2	10.03378568	7.4920443	2.541741385	5.87E-12
peak_13159	chr18	2008708	2009310	165703	Intergenic	NM_207073	relt	8.349266574	5.808175458	2.541091116	4.10E-07
peak_24371	chr10	6366351	6366824	73288	Intergenic	NM_001128757	zgc:194281	3.594783512	1.054120914	2.540662598	0.000302
peak_27863	chr7	46470260	46471288	-4960	Intergenic	NM_001002723		3.231678245	0.691124799	2.540553446	0.001052
peak_21264	chr6	1225324	1225775	63964	intron (NM_001110010_1, intron 3 of 17)	NM_001110010_1	plxna1b	6.265020251	3.724528079	2.540492172	7.60E-05
peak_26657	chr8	54674360	54674651	-19808	Intergenic	NM_001003546	gins4	5.996176022	3.455946841	2.540229181	0.000688
peak_11440	chr3	41185300	41185761	-214216	Intergenic	NM_212673	cyp3c1	8.035286267	5.495671279	2.539614988	7.71E-08
peak_25600	chr9	8110692	8111012	-327730	Intergenic	NM_001109720	zgc:171776	6.129647348	3.590155736	2.539491612	0.00048
peak_9197	chr7	5982231	5982636	23461	Intergenic	NM_001130660	zgc:195075	6.82581269	4.286696792	2.539115898	5.49E-09
peak_6857	chr25	24671008	24671955	98728	Intergenic	NM_001001815	igf2b	9.249295699	6.710492723	2.538802976	1.30E-10
peak_20210	chr17	38257732	38258188	60115	intron (NM_001076632, intron 2 of 10)	NM_001076632	slc25a21	6.080347896	3.541735304	2.538612592	4.61E-05
peak_25183	chr6	21876651	21877159	167874	Intergenic	NM_001005933	acox1	3.764922485	1.226539182	2.538383303	0.000414
peak_6032	chr2	12678453	12679272	-253701	Intergenic	NM_001115122	dpp6	9.324361084	6.786204932	2.538156152	2.55E-11
peak_25325	chr8	35852189	35853502	-15913	Intergenic	NM_001003742	hpdb	3.669457996	1.131425329	2.538032667	0.000436
peak_9357	chr14	2233338	2234050	-4435	Intergenic	NM_001013264	fgf18a	7.789120205	5.251507954	2.537612251	6.90E-09
peak_6767	chr14	38920548	38921250	714000	Intergenic	NM_001048055	lect2l	8.583281079	6.045866352	2.537414727	1.11E-10
peak_15911	chr2	484164	484445	-74026	Intergenic	NM_212920	wrnip1	5.432821025	2.895868242	2.536952783	3.53E-06
peak_20558	chr16	7927619	7927938	-36559	Intergenic	NR_023328		5.891683782	3.354823285	2.536860497	5.48E-05
peak_26668	chr12	2967772	2968551	-180899	Intergenic	NM_131721	mapk8b	5.155204657	2.618670935	2.536533722	0.000692
peak_22935	chr22	34428414	34428933	-112838	Intergenic	NM_001037661_1	slc6a6b	6.697740259	4.16161199	2.536128269	0.000164
peak_28317	chr18	10975012	10975298	525329	Intergenic	NM_001013335	zgc:110789	5.918166654	3.382066266	2.536100388	0.001219
peak_13967	chr19	17818511	17818801	-28861	Intergenic	NM_131857	klf2b	5.484921659	2.948835817	2.536085842	8.20E-07
peak_12093	chr1	17380093	17380741	-23489	Intergenic	NM_131859	klf3	8.009079898	5.473064478	2.53601542	1.46E-07
peak_28328	chr9	3821560	3821951	-153398	Intergenic	NM_180973	sp5a	5.981616175	3.445819769	2.535796406	0.001224
peak_29865	chr23	30970720	30971126	-4749	Intergenic	NM_001014294	thap3	6.329172649	3.793467824	2.535704825	0.001946
peak_16065	chr12	5436811	5437529	-10140	Intergenic	NM_001282153	trpm4c	8.119861771	5.584249038	2.535612732	3.93E-06
peak_6542	chr5	12470610	12471699	-16398	Intergenic	NM_001195784	fep15	10.48581566	7.950286475	2.535529189	7.24E-11
peak_10175	chr17	37901766	37902588	61197	Intergenic	NM_001077153	zfp36l1a	10.38639137	7.851436662	2.53495471	1.89E-08
peak_9408	chr1	26015551	26016694	-62422	Intergenic	NM_001122755	bnc2	10.11452178	7.579758364	2.534763417	7.43E-09
peak_15147	chr16	42312796	42313407	-75752	intron (NM_001076716, intron 12 of 13)	NM_182855	tgfbr2	6.616297902	4.081770047	2.534527855	2.01E-06
peak_29338	chr14	36215459	36215764	106051	Intergenic	NM_001007108	il12ba	4.786638878	2.25221264	2.534426239	0.001679
peak_12636	chr18	26900534	26901181	6983	intron (NM_001045216, intron 6 of 14)	NM_001045216	pstpip1a	7.336304494	4.802298804	2.53400569	2.47E-07
peak_18098	chr12	1692042	1692313	21749	intron (NM_001045248_1, intron 5 of 10)	NM_001045248_1	usp22	5.993092854	3.459365875	2.533726979	1.45E-05
peak_13040	chr5	17727175	17727432	-4625	Intergenic	NM_131874	xbp1	5.988232044	3.454943433	2.533288611	3.68E-07
peak_30488	chr3	34312952	34313267	-6244	intron (NM_001044952, intron 8 of 9)	NM_213197	znf207a	4.900954991	2.367686229	2.533268762	0.002304
peak_23175	chr12	40376209	40376806	25106	intron (NM_001099246, intron 12 of 38)	NM_001099246	abca5	7.360784043	4.82799926	2.532784783	0.000181
peak_19405	chr8	19666318	19666847	124688	Intergenic	NM_212872	zgc:77486	6.641673003	4.10900332	2.532669683	2.94E-05
peak_27201	chr15	31134659	31135447	-23302	Intergenic	NM_001110394	brca2	7.458606642	4.926047525	2.532559117	0.000832
peak_15060	chr15	4145187	4145691	135342	Intergenic	NM_131670	atp1b3b	7.964802479	5.432292842	2.532509636	1.90E-06
peak_35616	chr2	47442919	47443569	79379	Intergenic	NM_001145932	acsl3b	2.751830549	0.219835396	2.531995154	0.007871
peak_41548	chr11	8343496	8344388	-30028	Intergenic	NM_001002332	uox	6.508338103	3.976379077	2.531959026	0.023108
peak_16610	chr9	8950037	8950348	1184	intron (NM_212771, intron 1 of 1)	NM_212771	rab20	6.278160772	3.746207926	2.531952846	5.63E-06
peak_36291	chr3	43658487	43659397	25186	3' UTR (NM_213520, exon 9 of 9)	NM_001002044	mafk	7.75403637	5.222203402	2.531832967	0.009106
peak_16496	chr2	49937392	49937697	-50356	Intergenic	NM_001277094	rorcb	5.644959288	3.11317239	2.531786898	5.25E-06
peak_7115	chr6	52982966	52983560	17694	Intergenic	NM_199788	fam212ab	9.092587632	6.56108994	2.531497692	2.17E-10
peak_11641	chr9	6687103	6687810	15229	Intergenic	NM_131150	pou3f3a	8.33049086	5.799034611	2.531456249	9.38E-08
peak_16567	chr16	55442571	55443554	16964	intron (NM_001163294, intron 10 of 58)	NR_030656		8.321912053	5.790549763	2.531362291	5.47E-06
peak_21940	chr4	31397772	31398065	68465	intron (NM_001114900_1, intron 4 of 10)	NM_001114894	zgc:174653	4.155857485	1.624719583	2.531137902	0.000106
peak_28454	chr18	34400336	34400672	5434	intron (NM_001045352, intron 4 of 5)	NM_001045352	exosc5	5.700254938	3.169203298	2.53105164	0.001269
peak_21832	chr9	31899133	31899508	-24537	Intergenic	NM_001080673	dachd	6.5750338	4.044474693	2.530559107	0.000101
peak_7617	chr11	3905707	3906438	16571	Intergenic	NM_131233	gata2a	8.517524996	5.987383672	2.530141324	5.25E-10
peak_8533	chr23	8244536	8245280	-41936	Intergenic	NM_001030258	LOC571123	8.352641299	5.82264001	2.530001289	2.19E-09
peak_19990	chr19	9166633	9166917	-7765	Intergenic	NM_200809	dpm3	5.882023341	3.352129745	2.529893596	4.10E-05
peak_9971	chr10	4990870	4991651	-7706	Intergenic	NM_001040379	mat2al	8.275162469	5.745733999	2.52942847	1.51E-08
peak_26969	chr23	19363660	19364078	28536	intron (NM_001102675, intron 2 of 2)	NM_001102675	pard6b	8.25121967	5.722019575	2.529200095	0.00077
peak_18136	chr7	12234305	12234704	-32591	Intergenic	NM_001080704	mesdc2	5.751061931	3.221866383	2.529195548	1.47E-05
peak_21989	chr4	35089329	35089768	-274839	Intergenic	NM_001114927	zgc:174650	6.108398356	3.579386174	2.529012182	0.000108
peak_30763	chr19	1345020	1345724	99582	Intergenic	NM_001113601	scrt1a	8.20609904	5.677139219	2.528959821	0.002463
peak_34127	chr4	2504811	2505016	3786	intron (NM_001045144, intron 5 of 21)	NM_001045144	cog5	2.748562774	0.219835396	2.528727379	0.005685
peak_23459	chr4	4531663	4532120	93339	Intergenic	NM_001080651	creb3l2	6.43790188	3.909852546	2.528049335	0.000203
peak_6810	chr17	45992117	45992945	16862	Intergenic	NR_029933		8.937906994	6.410090966	2.527816027	1.21E-10
peak_16807	chr2	2991282	2991627	21733	intron (NM_001256634, intron 1 of 32)	NM_001256634	rock1	6.861316963	4.333736455	2.527580508	6.33E-06
peak_29967	chr2	17066901	17067196	64158	Intergenic	NM_001281996	ptger4c	5.57318781	3.045730965	2.527456844	0.002011
peak_27047	chr6	39254392	39254763	-10694	Intergenic	NM_131509	krt4	6.161704301	3.634625832	2.527078469	0.00079
peak_24574	chr21	2344713	2345229	47564	Intergenic	NM_001014292	hmgcrb	6.652447756	4.125542745	2.526905011	0.000327
peak_20671	chr6	22550365	22550852	-44275	Intergenic	NM_001098754	igfbp5b	6.209829719	3.68295987	2.526869849	5.79E-05
peak_20262	chr20	46584878	46585855	25708	Intergenic	NM_001045473	bmf2	4.979178573	2.452358149	2.526820423	4.74E-05
peak_13743	chr14	4143629	4144455	22840	intron (NM_001163293, intron 14 of 19)	NM_001098776	lrp2bp	7.807450198	5.280653449	2.52679675	6.79E-07
peak_18865	chr18	2436603	2436971	16199	Intergenic	NM_200034	serp1	6.576430184	4.049670226	2.526759958	2.20E-05
peak_14677	chr6	58357188	58357587	-67992	Intergenic	NM_001013289	arfrp1	6.364131965	3.837486071	2.526645895	1.43E-06
peak_14941	chr10	35789862	35790311	10278	intron (NM_001077549, intron 2 of 11)	NM_001077549	dclk1a	7.57953694	5.052925863	2.526611077	1.72E-06
peak_17733	chr16	47785544	47786035	44162	Intergenic	NM_001083823	cd22	7.025239184	4.498805392	2.526433793	1.15E-05
peak_12586	chr8	17956240	17956848	79302	intron (NM_130935, intron 1 of 6)	NM_130935	skia	7.060351913	4.534000908	2.526351005	2.36E-07
peak_24805	chr9	24849669	24850345	7520	exon (NM_205745, exon 8 of 12)	NM_205745	wdfy2	8.674075519	6.147815169	2.52626035	0.00036
peak_16134	chr1	59950522	59952096	10711	intron (NM_001037694, intron 2 of 6)	NM_001037694	lpar2b	8.870945192	6.344804065	2.526141127	4.10E-06
peak_24515	chr5	39342880	39343196	-1768	Intergenic	NM_001007152	dpf2	4.298135349	1.772118377	2.526016972	0.000319
peak_10295	chr14	13792224	13792731	81065	Intergenic	NM_001002326	pls3	8.002579165	5.476732748	2.525846417	2.17E-08
peak_18606	chr1	2492727	2493034	23138	intron (NM_001109719, intron 1 of 3)	NM_001109719	zgc:171629	6.047074358	3.521454096	2.525620263	1.89E-05
peak_27197	chr3	4874862	4875637	192386	intron (NM_001089332, intron 20 of 22)	NM_001089332	zgc:162198	3.171803318	0.646338197	2.525465121	0.000832
peak_32051	chr6	3221678	3222072	-59099	Intergenic	NM_201144	rad54l	6.661827743	4.137111286	2.524716458	0.003472
peak_15384	chr3	43523511	43523892	-10314	Intergenic	NM_201585	micall2a	6.221107285	3.696787222	2.524320063	2.39E-06
peak_37716	chr4	10609378	10609727	35753	Intergenic	NM_001007767	net1	5.860170902	3.335999564	2.524171338	0.012071
peak_13521	chr23	3444421	3444799	-21055	Intergenic	NM_131015	mafba	6.636131889	4.111978378	2.524153511	5.64E-07
peak_33516	chr18	2686250	2686873	100984	Intergenic	NM_001045470	fam168a	6.445014594	3.92110855	2.523906044	0.004941
peak_17654	chr23	4129539	4129827	56707	intron (NM_181498_1, intron 1 of 5)	NM_001045332	b4galt5	5.50545116	2.981814824	2.523636336	1.10E-05
peak_27919	chr5	31842048	31842353	24173	intron (NM_001126429, intron 4 of 7)	NM_001126429	adamts15a	5.964776808	3.441794872	2.522981936	0.001075
peak_12670	chr23	37873399	37873938	-35207	Intergenic	NM_131881	irx7	8.188620792	5.665823596	2.522797196	2.55E-07
peak_22247	chr5	1451381	1451760	14801	intron (NM_212768, intron 1 of 5)	NM_212768	mbd2	5.739973482	3.217180618	2.522792864	0.000122
peak_22567	chr6	985508	986175	-28860	Intergenic	NM_001245966	zeb2b	7.137494405	4.614972872	2.522521533	0.00014

peak_8912	chr7	66571075	66571992	240994	Intergenic	NM_001077722	tpcn2	10.15163202	7.629379054	2.522252971	3.71E-09
peak_7777	chr22	27573920	27574481	-6603	Intergenic	NM_198068	cxcl12b	8.967388559	6.445663531	2.521725027	6.71E-10
peak_19932	chr16	9387348	9387758	45521	intron (NM_001193327, intron 3 of 5)	NM_001193327	snrka	6.866790343	4.345097461	2.521692882	3.95E-05
peak_34938	chr3	8788514	8788993	42353	Intergenic	NM_200235	cyp2k22	3.006230172	0.48510786	2.521122312	0.006779
peak_37511	chr6	19595326	19595973	-44589	Intergenic	NM_001024415	cbx8b	5.715889725	3.194978056	2.520911668	0.011692
peak_26278	chr23	31601062	31601411	10150	exon (NM_001243173, exon 6 of 7)	NM_001243176	hmgn3	6.409672761	3.888901602	2.520771158	0.000605
peak_29413	chr18	16521247	16521682	54544	Intergenic	NM_001044986	swap70b	5.938805923	3.418089159	2.520716763	0.001712
peak_17801	chr5	72917221	72917567	8849	exon (NM_001007410, exon 4 of 16)	NM_001007410	ythdc1	5.824854643	3.304378227	2.520476416	1.21E-05
peak_6463	chr13	5567993	5569568	45306	intron (NM_213234, intron 4 of 7)	NM_213234	spred2b	10.2197697	7.699525402	2.520244295	6.22E-11
peak_19542	chr15	9065405	9065798	71872	Intergenic	NM_001017784	rhoub	6.058024631	3.537809885	2.520214746	3.17E-05
peak_14021	chr12	4745517	4745961	4607	intron (NM_213215, intron 1 of 6)	NM_213215	aldoab	7.647393057	5.127390543	2.520002514	8.58E-07
peak_29319	chr2	6814559	6815638	21422	Intergenic	NM_001076561	extl2	6.957365387	4.437387644	2.519977743	0.001674
peak_33857	chr8	19233436	19234017	-41584	Intergenic	NM_213309	stap2b	4.333525275	1.813729373	2.519795902	0.005333
peak_5798	chr19	30950968	30951471	49870	Intergenic	NM_214707	zdhhc18b	8.865190977	6.345403921	2.519787056	1.50E-11
peak_20266	chr2	56512083	56512320	49612	Intergenic	NM_001037113	uba52	4.480960159	1.961668108	2.519292051	4.75E-05
peak_37101	chr1	1915237	1915589	57086	intron (NM_001099998, intron 2 of 7)	NM_001161671	mbnl2	5.750653646	3.231546658	2.519106988	0.010781
peak_24076	chr3	20740450	20740695	-33427	Intergenic	NM_201130	spop	3.76976623	1.251205952	2.518560278	0.000265
peak_30442	chr23	16209582	16210151	-90194	Intergenic	NM_200736	mrgbp	4.886118348	2.367686229	2.518432119	0.002276
peak_7981	chr24	36996812	36998302	31357	Intergenic	NM_213515	ube2v2	10.22415959	7.705746832	2.518412753	9.27E-10
peak_12805	chr4	21434190	21434600	18557	Intergenic	NM_001167826	zgc:73329	6.901853101	4.383667107	2.518185994	2.91E-07
peak_9306	chr2	8197311	8197779	151963	Intergenic	NM_001007436	dia1a	8.155154529	5.637324251	2.517830278	6.47E-09
peak_16981	chr3	24597831	24598202	31039	Intergenic	NM_001113733	csf2rb	6.914151102	4.396442117	2.517708986	6.96E-06
peak_23480	chr2	49319159	49319511	-32542	Intergenic	NM_001077752	zgc:123035	6.383516031	3.866006536	2.517509496	0.000205
peak_20086	chr5	67297857	67298235	74160	intron (NM_001278808, intron 7 of 21)	NM_001278808	pappab	7.554906693	5.037575054	2.517331639	4.32E-05
peak_24093	chr4	38391835	38392201	-207545	Intergenic	NM_001114900	zgc:174708	3.920004586	1.402722361	2.517282226	0.000267
peak_31191	chr9	48694889	48695253	186847	Intergenic	NM_001003480	zgc:92380	6.381686867	3.864638472	2.517048395	0.002751
peak_10963	chr5	41904354	41904726	12889	intron (NM_001100006, intron 1 of 1)	NM_001100006	snx18a	7.029808852	4.51280029	2.517008563	4.68E-08
peak_14428	chr15	21179969	21180292	-48989	Intergenic	NM_001079680	spa17	5.948827541	3.431929279	2.516898262	1.19E-06
peak_19465	chr17	17669762	17670224	35088	intron (NM_001020619, intron 9 of 11)	NM_001020619	sptlc2a	7.196524772	4.680116995	2.516407777	3.03E-05
peak_21067	chr17	22794373	22794675	137446	Intergenic	NR_030140		5.760849916	3.244566715	2.516283202	6.93E-05
peak_8476	chr3	39432235	39433546	50374	Intergenic	NM_001003526	zgc:100868	9.414562643	6.898336431	2.516226212	2.04E-09
peak_8910	chr1	35239826	35240723	36822	intron (NM_213357, intron 1 of 8)	NM_213357	gab1	7.688347362	5.17226408	2.516083282	3.70E-09
peak_10387	chr11	25050950	25051963	10661	Intergenic	NM_213213	chia.3	8.801972738	6.286014562	2.515958177	2.40E-08
peak_21055	chr12	47868096	47868835	-51159	Intergenic	NM_198802	adkb	6.880707059	4.365223787	2.515483272	6.88E-05
peak_7466	chr16	47792272	47793171	44129	Intergenic	NM_001078168	sult2st3	9.37724815	6.861814591	2.515433559	4.06E-10
peak_16191	chr17	20496666	20497463	-295	promoter-TSS (NM_200410)	NM_200410	slc16a9a	8.008557785	5.493349643	2.515208142	4.27E-06
peak_17633	chr18	16946868	16947265	111404	intron (NM_001039460, intron 4 of 8)	NM_001039460	zfpm1	6.089435934	3.574630863	2.514805072	1.08E-05
peak_38544	chr5	20093422	20093872	392463	Intergenic	NM_178304	zdhhc8b	5.948115499	3.433397841	2.514717658	0.014092
peak_12534	chr16	39845170	39845606	1363	intron (NM_001089345, intron 1 of 3)	NM_001089345	eva1ba	6.538771417	4.024355169	2.514416248	2.25E-07
peak_22928	chr16	57198088	57198363	-35118	intron (NM_001039925, intron 6 of 11)	NM_001076728	znrf2b	3.931577743	1.41740675	2.514170993	0.000163
peak_17874	chr9	19958397	19958816	25902	exon (NM_001077176, exon 9 of 9)	NM_001077176	zgc:152951	7.119852549	4.606063794	2.513788755	1.26E-05
peak_21756	chr14	12037476	12037936	241160	Intergenic	NM_001105523	znf711	4.639677051	2.125910487	2.513766564	9.68E-05
peak_10545	chr16	4920196	4920805	-204226	Intergenic	NM_152981	mtf1	7.427083592	4.913718007	2.513365585	2.88E-08
peak_25687	chr18	29249689	29250594	-102068	Intergenic	NM_131844	maf	8.331667406	5.818689764	2.512977642	0.000493
peak_17590	chr23	37546660	37546951	-18160	Intergenic	NM_001008628	pink1	5.486393692	2.973470211	2.512923481	1.05E-05
peak_32517	chr22	5086095	5086646	-58507	Intergenic	NM_001118891	s1pr4	6.455088016	3.94245708	2.512630936	0.003908
peak_18653	chr4	20502621	20503013	16849	intron (NM_001003870, intron 1 of 25)	NM_001003870	ppp1r12a	6.234909902	3.722313878	2.512596024	1.94E-05
peak_35566	chr7	30858494	30858836	10882	intron (NM_001105600, intron 9 of 11)	NM_001105600	anxa2b	2.986785331	0.474639816	2.512145515	0.007777
peak_26630	chr11	20136790	20138106	58069	Intergenic	NM_212668	namptb	3.585656064	1.07379276	2.511863305	0.000682
peak_9762	chr1	59709270	59710841	12785	exon (NM_213242, exon 7 of 19)	NM_213242	dnm2b	9.20703587	6.695735096	2.511300774	1.18E-08
peak_25165	chr20	26537792	26538484	23319	intron (NM_001242996, intron 19 of 26)	NM_001242996	mthfd1l	7.682573689	5.171451608	2.511122081	0.000412
peak_22478	chr17	33194104	33194394	-125241	Intergenic	NM_131405	prox1a	5.866989699	3.355943475	2.511046224	0.000134
peak_14618	chr8	2498848	2499243	4886	intron (NM_001123265, intron 2 of 21)	NM_001123265	ikbkb	7.347155463	4.836185847	2.510969616	1.37E-06
peak_20861	chr2	3854858	3855355	42086	Intergenic	NM_001045437	snap47	6.925813319	4.414878766	2.510934553	6.27E-05
peak_7688	chr3	37000476	37001311	76476	Intergenic	NM_200908	tubg1	9.261292735	6.750375376	2.51091736	5.85E-10
peak_9040	chr9	27317301	27317965	180474	Intergenic	NM_131023	efnb2a	7.835402461	5.324563853	2.510838609	4.46E-09
peak_5014	chr1	57659264	57664128	7892	intron (NM_001033742, intron 6 of 11)	NM_001033742	b3gntl1	11.9621488	9.451340842	2.510807956	2.32E-12
peak_15529	chr3	39469778	39470161	13295	exon (NM_001003526, exon 10 of 11)	NM_001003526	zgc:100868	6.603188489	4.092489383	2.510699105	2.68E-06
peak_26240	chr20	31396717	31397146	56367	intron (NM_001032729, intron 1 of 7)	NM_001032729	ust	7.195316398	4.684752874	2.510563524	0.000598
peak_26573	chr24	416325	416666	-33554	intron (NM_001013328, intron 2 of 4)	NM_001115059	tgfbr1b	3.397697102	0.887237959	2.510459143	0.000668
peak_18948	chr7	27506092	27506411	56053	Intergenic	NM_199624	her8a	6.332209272	3.821995007	2.510214265	2.30E-05
peak_27988	chr23	23250424	23251146	222774	Intergenic	NM_001003830	noc2l	7.246734754	4.736568008	2.510166746	0.0011
peak_20491	chr3	58243401	58243922	-3814	Intergenic	NM_199950	socs3a	6.748201508	4.238098778	2.51010273	5.27E-05
peak_25810	chr20	55141638	55141984	87566	Intergenic	NM_212962_1	pak7	3.484950298	0.975101991	2.509848307	0.000515
peak_24061	chr4	10113328	10113702	4532	exon (NM_001045057, exon 5 of 12)	NM_001045057	mettl25	6.983191171	4.473443453	2.509747718	0.000264
peak_28451	chr12	32606919	32607222	-73914	Intergenic	NM_001024427	crygmxl2	5.725478726	3.215765638	2.509713088	0.001269
peak_20198	chr14	46605924	46606500	389202	Intergenic	NM_001044886	si:ch211-240l14.:	6.59843162	4.088888917	2.509542703	4.59E-05
peak_33925	chr4	44112027	44112978	1145835	Intergenic	NM_001128300	LOC100008037	2.984009138	0.474639816	2.509369322	0.005443
peak_13017	chr18	48858001	48858533	30717	intron (NM_001045317, intron 1 of 4)	NM_001045317	mob2b	7.371734134	4.862557015	2.509177119	3.59E-07
peak_10267	chr15	9524295	9524727	-43889	Intergenic	NM_001013517	zgc:110155	7.145289952	4.636322956	2.508966996	2.12E-08
peak_30941	chr13	30603816	30604441	-126255	Intergenic	NM_001113339	zmiz1a	2.728799148	0.219835396	2.508963752	0.002582
peak_22193	chr18	20064034	20064390	56694	Intergenic	NM_131012	gro2	6.137824888	3.629153912	2.508670976	0.000118
peak_17989	chr24	43372241	43373895	46901	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	8.463667193	5.955328364	2.508338829	1.36E-05
peak_4511	chr17	43791949	43793220	-82431	Intergenic	NM_183341	egr2a	10.82255781	8.314494473	2.508063334	5.55E-13
peak_28746	chr23	31973991	31974273	28155	Intergenic	NM_001004540	aldh8a1	5.559239876	3.051282612	2.507957264	0.001393
peak_32039	chr3	35702975	35703567	6350	exon (NM_001080185, exon 5 of 20)	NM_001080185	traf7	7.191552338	4.683655512	2.507896826	0.003459
peak_7725	chr9	27091142	27091514	-28229	Intergenic	NM_213216	arglu1a	7.261299006	4.753488558	2.507810448	6.30E-10
peak_30180	chr12	31027930	31028369	239869	Intergenic	NM_001111150	bms1l	5.964072597	3.456547283	2.507525314	0.002132
peak_14544	chr9	3434165	3434972	-37414	Intergenic	NM_131311	dlx2a	8.184834792	5.677349591	2.5074852	1.29E-06
peak_9867	chr12	48920171	48921309	-11427	Intergenic	NM_130934_1	hhex	10.16519674	7.657965483	2.50723126	1.35E-08
peak_25753	chr9	26816360	26817077	6103	intron (NM_001114551, intron 1 of 8)	NM_001114551	zeb2a	7.081484669	4.574474704	2.507009965	0.000505
peak_11699	chr5	35479991	35481143	-37204	Intergenic	NM_001122857	dab2ipb	9.258569364	6.752011637	2.506557727	9.78E-08
peak_18692	chr15	8264467	8264917	-12392	Intergenic	NM_001040313	zgc:136739	7.432184658	4.9264787	2.505705958	1.98E-05
peak_6661	chr6	15957308	15957927	8629	Intergenic	NM_152964	gbx2	9.304804405	6.799421138	2.505383267	9.13E-11
peak_33682	chr4	694724	695286	13806	Intergenic	NM_001039109	ripply2	6.788827775	4.283621176	2.505206598	0.005129
peak_29045	chr21	6497079	6497850	-210740	Intergenic	NM_001003486	olfm1b	6.587486179	4.082366519	2.505119661	0.001532
peak_15805	chr20	23670934	23671307	-26322	Intergenic	NM_205656	cbr4	6.706001421	4.200968197	2.505033224	3.28E-06
peak_16000	chr9	27057570	27057944	-34423	Intergenic	NM_001128555	arhgap15	6.602749326	4.098047959	2.504701366	3.77E-06
peak_11650	chr8	13737317	13737952	-43147	Intergenic	NM_001130790	zgc:194990	8.549041946	6.044366527	2.504675419	9.47E-08
peak_18076	chr15	23082581	23083015	6623	intron (NM_001002058, intron 3 of 8)	NM_001002058	sae1	6.425918444	3.921315642	2.504602802	1.42E-05
peak_8879	chr23	24670876	24671406	-40629	Intergenic	NM_001033590	fam131c	7.588736375	5.084589119	2.504147256	3.51E-09
peak_25328	chr3	23593537	23593800	81253	Intergenic	NM_199214	col1a1a	5.423087929	2.919192269	2.50389566	0.000437
peak_12783	chr19	11998152	11998768	18815	intron (NM_201161, intron 3 of 8)	NM_201161_1	sept7a	8.180588655	5.676744697	2.503843958	2.85E-07
peak_5508	chr5	65889396	65890099	-27988	Intergenic	NM_001039813	adora2b	8.823682067	6.319918776	2.50376329	7.77E-12
peak_10829	chr25	18301237	18301638	-32957	intron (NM_001130648, intron 10 of 10)	NM_001089372	zgc:162634	6.928342696	4.425376956	2.50296574	4.01E-08
peak_27714	chr17	51356336	51357436	27331	intron (NM_001002063, intron 2 of 5)	NM_001002063	stxbp6	8.167230542	5.664322772	2.502907769	0.000995
peak_31097	chr25	19342869	19343163	-58918	Intergenic	NM_001025176_3		2.722150645	0.219835396	2.50231525	0.002683
peak_31096	chr25	13416676	13417002	-98328	Intergenic	NM_001122702	LOC569861	2.722150645	0.219835396	2.50231525	0.002683
peak_12962	chr2	12694175	12694737	-269295	Intergenic	NM_001115122	dpp6	7.312525455	4.810462378	2.502063076	3.38E-07
peak_28759	chr11	25654371	25654747	-8346	Intergenic	NM_001080005	zgc:153953	5.47602896	2.974286364	2.501742596	0.0014
peak_27144	chr24	2734083	2734481	32862	intron (NM_001105594_1, intron 1 of 5)	NM_001105594_1	fars2	6.781839889	4.280187744	2.501652145	0.000817
peak_6789	chr9	38266417	38267101	72614	intron (NM_130967, intron 2 of 13)	NM_130967	gli2a	9.07381815	6.572317324	2.501500826	1.15E-10
peak_5712	chr23	44552157	44553377	-2263	Intergenic	NM_200759	eif4e2rs1	10.52077605	8.01930325	2.501472797	1.23E-11
peak_14073	chr6	39290917	39291886	78	promoter-TSS (NM_200568)	NM_200568	zgc:77517	8.885322748	6.384003909	2.501318839	8.98E-07
peak_30884	chr7	11786697	11787052	57449	intron (NM_200157, intron 2 of 2)	NM_200157	abhd17c	5.804867496	3.303747075	2.50112042	0.002545

peak_21536	chr7	26391714	26392130	89092	intron (NM_001076730, intron 15 of 21)	NM_001076730	exoc6b	7.349060377	4.848078835	2.500981542	8.70E-05
peak_26160	chr18	42893449	42893938	49845	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	6.977619542	4.476893069	2.500726473	0.000581
peak_22242	chr9	42266225	42266772	-25512	intron (NM_001004510, intron 11 of 19)	NM_200091	stat1b	7.951228091	5.450757563	2.500470528	0.000121
peak_16522	chr24	32811530	32812425	220366	Intergenic	NM_001002229	snx7	9.03539975	6.535139062	2.500260688	5.34E-06
peak_18288	chr4	19693807	19694131	-54718	Intergenic	NM_001045143	nav3	6.11062728	3.610398975	2.500228305	1.60E-05
peak_15585	chr2	57464972	57465290	-82584	Intergenic	NM_001030070	gpx4b	6.424383361	3.92415723	2.500226131	2.77E-06
peak_7676	chr16	3926358	3927620	-85913	Intergenic	NM_001020660	cyb5r4	9.795438526	7.295500462	2.499938063	5.76E-10
peak_24497	chr17	491335	491777	66381	Intergenic	NM_001017876_2	fsip1	6.01881102	3.51905461	2.49975641	0.000315
peak_33567	chr5	2719147	2719654	-79062	Intergenic	NM_201167	hpda	6.440450382	3.941345041	2.499105341	0.004984
peak_22929	chr19	52753	53492	2579	exon (NM_001045306, exon 7 of 9)	NM_001045306	dnajc8	5.66161059	3.162616949	2.498993641	0.000163
peak_9284	chr7	28505183	28505854	89102	intron (NM_001123009, intron 6 of 14)	NM_001123009	sox6	9.182639825	6.68370512	2.498934705	6.21E-09
peak_16280	chr13	7004343	7004776	4751	intron (NM_001281798, intron 3 of 6)	NM_001281798	ninl	6.82661031	4.327843348	2.498766963	4.50E-06
peak_7479	chr21	1468685	1469124	361202	Intergenic	NM_201138	txnl1	8.518724393	6.020139792	2.498584601	4.13E-10
peak_20568	chr1	58431296	58431654	255333	Intergenic	NM_001110761	si:ch211-114l13.5	6.84626708	4.348157981	2.498109099	5.52E-05
peak_18380	chr3	6784849	6785524	158081	Intergenic	NM_001003625_1	nup85	7.118913033	4.620908492	2.498004541	1.68E-05
peak_28493	chr15	31204282	31204659	46115	Intergenic	NM_001110394	brca2	6.298167948	3.800306096	2.497861852	0.001287
peak_10530	chr14	22368028	22368499	-31035	Intergenic	NM_131248	egr1	8.446968973	5.949354473	2.497614499	2.82E-08
peak_22858	chr17	42472537	42473045	-78499	Intergenic	NM_130949	foxa2	6.627930172	4.130408978	2.497521194	0.000158
peak_25105	chr16	34235517	34235841	4961	exon (NM_199960_1, exon 5 of 9)	NM_199960_1	ptpn6	6.500103233	4.002696711	2.497406522	0.000403
peak_19697	chr17	33108852	33109328	-40082	Intergenic	NM_131405	prox1a	6.342015183	3.844949253	2.497065929	3.46E-05
peak_28763	chr6	51375252	51375749	149294	Intergenic	NM_001130610	rbl1	6.442726921	3.946034074	2.496692847	0.001402
peak_26297	chr14	6907418	6907724	-5314	Intergenic	NM_131444	gnb2l1	5.89318586	3.396792825	2.496393035	0.000609
peak_28074	chr9	8181308	8181967	-256945	Intergenic	NM_001109720	zgc:171776	8.138669612	5.642501716	2.496167895	0.001129
peak_26281	chr9	13661480	13661764	-30353	Intergenic	NM_131139	fzd7a	5.279010388	2.782917511	2.496092877	0.000606
peak_13076	chr3	31959696	31960428	-18605	Intergenic	NM_131373	gfap	8.430273871	5.934190311	2.49608356	3.80E-07
peak_12267	chr19	49515478	49516039	11703	intron (NM_001040330, intron 2 of 8)	NM_173269	c1orf109	7.988150507	5.492091369	2.496059138	1.73E-07
peak_24677	chr17	5969863	5970211	-70356	Intergenic	NM_001002462	dusp23b	6.313485238	3.817456128	2.49602911	0.000342
peak_16417	chr25	37507983	37508413	20638	Intergenic	NM_213100_1	irx3b	6.711676157	4.216172174	2.495503983	4.97E-06
peak_33729	chr8	2843754	2844049	26449	Intergenic	NM_001126405	naif1	5.211610793	2.716259194	2.495351599	0.005181
peak_34094	chr4	38165188	38165725	19017	Intergenic	NM_001114900	zgc:174708	3.186367739	0.691124799	2.49524294	0.005636
peak_27349	chr20	4035437	4035881	1929	exon (NM_001110475, exon 1 of 1)	NM_001110475	exoc8	5.636144784	3.141003006	2.495141779	0.000876
peak_9683	chr14	29207401	29208108	-105351	Intergenic	NM_200688	zgc:64189	8.644361423	6.149543446	2.494817977	1.06E-08
peak_5964	chr3	32707401	32708507	-331	promoter-TSS (NR_030094)	NR_030094		9.325560912	6.831120065	2.494440847	2.15E-11
peak_25121	chr6	59894274	59894658	44187	Intergenic	NM_199817	tgds	6.389050869	3.894610923	2.494439946	0.000405
peak_22294	chr14	4956330	4956792	-258924	Intergenic	NM_001017822_1	zgc:110204	6.792612361	4.298191641	2.49442072	0.000124
peak_6108	chr11	34994243	34995105	31531	Intergenic	NM_214705	fam43a	9.47579817	6.981771684	2.494026486	3.14E-11
peak_19785	chr5	37951082	37951479	-22429	Intergenic	NM_131805	efnb1	6.531394402	4.037732821	2.493661581	3.62E-05
peak_5321	chr13	53957781	53959409	-15724	intron (NM_199954_1, intron 4 of 4)	NM_200520	zgc:66337	10.26687193	7.773360307	2.49351162	4.96E-12
peak_30064	chr6	11639551	11639867	-32021	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	6.147161509	3.653651144	2.493510365	0.002059
peak_5427	chr25	30574362	30575178	-77273	Intergenic	NM_001034978	pim3	9.686778955	7.193422842	2.493356113	6.41E-12
peak_20938	chr17	139160	139667	-31508	Intergenic	NM_001002697_1		5.690496237	3.19721456	2.493281677	6.51E-05
peak_26268	chr2	48923109	48923434	26496	Intergenic	NM_001100058	LOC797092	5.712514964	3.219334611	2.493180353	0.000602
peak_21434	chr1	17960037	17960682	-3128	intron (NM_001098769, intron 1 of 4)	NM_001166048	ptprdb	7.984932965	5.491917221	2.493015744	8.26E-05
peak_34933	chr15	26444558	26444831	167862	intron (NM_200622, intron 22 of 24)	NM_200622	bcas3	5.356339706	2.863331038	2.493008668	0.006773
peak_13510	chr22	27282538	27282988	-44966	Intergenic	NM_001244080	capn8	7.185212517	4.692609239	2.492603279	5.59E-07
peak_27052	chr19	11572255	11572637	24113	intron (NM_001081631, intron 2 of 21)	NM_001081631	arhgef1a	6.554569534	4.06199822	2.492571314	0.000791
peak_12598	chr11	8707464	8708499	59572	intron (NM_001020583, intron 2 of 14)	NM_001020583	tbl1xr1a	9.888675897	7.396164006	2.49251189	2.39E-07
peak_11097	chr15	28681811	28682853	20782	Intergenic	NM_199733	tsku	7.909489715	5.417077871	2.492411845	5.44E-08
peak_13032	chr9	44434544	44435146	-148745	intron (NM_212793, intron 2 of 8)	NM_182881	sestd1	7.499731758	5.007411489	2.49232027	3.66E-07
peak_32346	chr18	48137657	48137969	37962	Intergenic	NM_001007334	yif1b	2.712120089	0.219835396	2.492284693	0.003735
peak_31757	chr22	22144203	22144602	22832	intron (NM_200423, intron 1 of 6)	NM_200423	aes	6.462850097	3.97101926	2.491830837	0.003235
peak_7461	chr17	448176	448957	-53064	Intergenic	NM_001020803	chrm5a	8.400769198	5.908979622	2.491789576	4.04E-10
peak_37643	chr3	16676117	16676659	25742	intron (NM_131479, intron 1 of 23)	NM_131479	stat3	7.214278289	4.722845639	2.49143265	0.011932
peak_23644	chr23	23438658	23439015	34723	intron (NM_001003830, intron 15 of 18)	NM_001003830	noc2l	6.216366853	3.72495519	2.491411663	0.000219
peak_13905	chr9	8811254	8811646	139926	Intergenic	NM_212771	rab20	6.08977761	3.598802381	2.490975229	7.76E-07
peak_20860	chr12	37514902	37515247	35741	intron (NM_131724, intron 6 of 12)	NM_131724	map2k6	6.457105967	3.966181675	2.490924292	6.27E-05
peak_21600	chr10	8061662	8062067	-45323	Intergenic	NM_001009560	tln1	4.609320918	2.118449204	2.490871714	8.98E-05
peak_20695	chr22	23862466	23862735	-121708	Intergenic	NM_207101	b3galt2	5.72672478	3.235880828	2.490843952	5.84E-05
peak_23205	chr12	19640521	19641070	8690	intron (NM_001044903, intron 2 of 15)	NM_001044903	grid2ipb	7.131834563	4.641018628	2.490815935	0.000184
peak_12180	chr4	24146405	24146908	4987	intron (NM_131211, intron 3 of 5)	NM_131211	gata3	7.770370557	5.280295907	2.490074649	1.59E-07
peak_7139	chr15	34361789	34362542	22901	intron (NM_213519, intron 1 of 9)	NM_213519	sesn3	8.566936715	6.076917348	2.490019367	2.24E-10
peak_32875	chr16	45325880	45326131	-31119	Intergenic	NM_131506	tbx20	5.09910867	2.609160782	2.489947888	0.004252
peak_14683	chr17	52408176	52408762	10964	intron (NM_001040406, intron 1 of 10)	NM_001040406	numb	7.575854123	5.085997068	2.489857056	1.44E-06
peak_24613	chr6	6924779	6925099	-32017	intron (NM_001004602, intron 11 of 13)	NM_200185	tuba8l4	5.421036764	2.931253449	2.489783316	0.000331
peak_14970	chr11	30221621	30222011	-225425	Intergenic	NM_001114908		6.546332431	4.056788432	2.489543999	1.76E-06
peak_9523	chr15	36267947	36268319	10152	Intergenic	NM_001100958	hspb6	7.760456223	5.270997238	2.489458985	8.57E-09
peak_16967	chr7	26057460	26057853	8824	Intergenic	NM_001012366	krcp	5.468103815	2.978697069	2.489406746	6.91E-06
peak_8555	chr1	22951438	22951982	101229	Intergenic	NM_152975	mab21l2	8.577700064	6.088680104	2.48901996	2.24E-09
peak_33147	chr25	13440685	13440951	112035	Intergenic	NM_199604	map1lc3b	2.708761012	0.219835396	2.488925616	0.004551
peak_11476	chr6	31924099	31924627	82720	Intergenic	NM_001002103	atg4c	7.366391064	4.877824315	2.488566749	8.06E-08
peak_23890	chr3	58270016	58270406	-30364	Intergenic	NM_199950	socs3a	6.830092703	4.341904806	2.488187896	0.000246
peak_8689	chr9	42982294	42982833	-4939	Intergenic	NM_001039630	col18a1	7.766129055	5.278166266	2.487962789	2.67E-09
peak_16387	chr25	32500646	32501052	-48846	Intergenic	NM_173275	lamb1a	7.011813279	4.523972511	2.487840768	4.86E-06
peak_14724	chr25	6278682	6279387	13642	intron (NM_001128671, intron 2 of 14)	NM_001128671	snx1a	7.012664847	4.524886382	2.487778465	1.48E-06
peak_23032	chr12	2866204	2866839	-79259	Intergenic	NM_131721	mapk8b	6.323693318	3.835988401	2.487704917	0.000171
peak_31518	chr2	4557229	4557713	-127517	Intergenic	NM_199681	phb2a	6.173685236	3.686034488	2.487650748	0.003016
peak_8269	chr1	6428530	6429465	-25952	Intergenic	NM_001128672	mxb	8.669309041	6.181965534	2.487343507	1.52E-09
peak_26084	chr13	22911574	22912021	54219	Intergenic	NM_001001840	nfkb2	7.274314726	4.787312361	2.487002365	0.000567
peak_5385	chr14	53725796	53728151	6088	exon (NM_212924, exon 2 of 5)	NM_212924	igfbp7	10.34307884	7.856094671	2.486984171	5.73E-12
peak_16224	chr19	36523441	36524369	4292	intron (NM_213348, intron 1 of 15)	NM_213348	ndrg1a	8.596094163	6.109407689	2.486686474	4.35E-06
peak_27260	chr3	24220775	24221090	-130788	Intergenic	NM_199746	cbx1a	3.389328476	0.902938058	2.486390418	0.000853
peak_14790	chr15	34926962	34927282	-273812	Intergenic	NM_001017614	rhbdd1	6.634141164	4.147762426	2.486378738	1.56E-06
peak_11706	chr18	2985186	2985622	399827	Intergenic	NM_001045470	fam168a	7.964880212	5.478506359	2.486373853	9.86E-08
peak_38309	chr18	47049529	47050083	14228	exon (NM_131348, exon 9 of 9)	NM_001045169	kcnj1a.5	5.822114313	3.335999564	2.48611475	0.013537
peak_8991	chr21	16916831	16917385	29852	Intergenic	NM_001123389	brd3a	7.491418965	5.005337771	2.486081194	4.17E-09
peak_14010	chr6	43769033	43769566	44697	intron (NM_001039637, intron 2 of 19)	NM_001039637	foxp1b	6.983364939	4.497512451	2.485852488	8.51E-07
peak_26546	chr11	41522233	41522596	-16128	Intergenic	NM_205591	uts2b	5.687488159	3.201708821	2.485779338	0.000663
peak_19954	chr23	4289633	4289932	12366	intron (NM_001014341, intron 7 of 10)	NM_001014341	zgc:113278	5.506418819	3.020818872	2.485599947	3.99E-05
peak_34369	chr20	19992131	19992847	-61396	Intergenic	NM_212570	ptk2bb	5.201453983	2.716259194	2.485194789	0.006003
peak_24647	chr13	277068	277515	-33279	Intergenic	NM_199627	lgi1a	4.906097005	2.421085965	2.48501104	0.000336
peak_14963	chr12	48049739	48050638	11050	Intergenic	NM_001098781	lhpp	8.536045981	6.051049122	2.484996859	1.75E-06
peak_31012	chr5	64464628	64465034	29574	3' UTR (NM_199780, exon 9 of 9)	NM_001082803	wbscr16	6.341473034	3.856598578	2.484874456	0.002623
peak_19484	chr1	13326702	13327024	9680	exon (NM_131624, exon 13 of 13)	NM_131624	slc34a2a	5.645424228	3.160855973	2.484568254	3.06E-05
peak_38639	chr23	13639192	13639609	-76808	Intergenic	NR_030650		5.853722147	3.369201652	2.484520495	0.014306
peak_22122	chr7	46724734	46725063	144542	Intergenic	NM_001103194	uqcrfs1	5.703658466	3.21980767	2.483850796	0.000115
peak_17083	chr18	32065424	32065725	18451	Intergenic	NM_001083877	olfcq19	5.777425773	3.293787083	2.48363869	7.40E-06
peak_28816	chr19	6749205	6749688	-43368	Intergenic	NM_001044921	gsk3aa	6.37878355	3.895340691	2.48344286	0.001426
peak_11262	chr19	38156225	38156637	-511013	Intergenic	NM_001007288	cx30.9	7.227740321	4.744564698	2.483175623	6.39E-08
peak_21166	chr12	36074156	36074517	-143447	Intergenic	NM_001278598	si:ch73-127m5.2	6.115093328	3.632473983	2.482619345	7.29E-05
peak_9879	chr20	39764333	39765160	-3050	Intergenic	NM_001020734	tpd52l1	9.577444451	7.094825269	2.482619182	1.37E-08
peak_35802	chr5	21012909	21013174	170451	Intergenic	NM_131099	foxn4	2.702019304	0.219835396	2.482183908	0.00821
peak_35804	chr7	16275866	16276270	60057	intron (NM_152969, intron 2 of 20)	NM_152969	igf1rb	2.702019304	0.219835396	2.482183908	0.00821
peak_35801	chr3	37594770	37597235	26335	Intergenic	NM_001137660	wnt9b	2.702019304	0.219835396	2.482183908	0.00821
peak_35805	chr9	56871722	56872024	-43535	Intergenic	NM_001040636	fancb	2.702019304	0.219835396	2.482183908	0.00821
peak_35800	chr17	53750376	53750819	-63186	Intergenic	NM_201104	atxn3	2.702019304	0.219835396	2.482183908	0.00821

peak_35803	chr5	43956667	43957180	42666	Intergenic	NR_048926_10		2.702019304	0.219835396	2.482183908	0.00821
peak_25792	chr14	15443689	15444388	-12257	Intergenic	NM_001045428	rab33a	7.717850921	5.235870073	2.481980847	0.000512
peak_25114	chr5	73307107	73307459	-98650	Intergenic	NM_001278805	pappaa	5.456605395	2.974671367	2.481934028	0.000404
peak_17584	chr18	42119890	42120229	274749	Intergenic	NM_001005575	bcl9l	5.888718223	3.407012106	2.481706117	1.04E-05
peak_11357	chr10	14290196	14290718	161633	Intergenic	NM_001080612	galt	7.590790704	5.109162365	2.481628339	7.06E-08
peak_16742	chr2	291672	296558	-40599	Intergenic	NM_001030240	zgc:113452	10.2330907	7.751703182	2.481387522	6.10E-06
peak_26975	chr1	1655156	1655490	60373	Intergenic	NM_178099	atp1a1a.5	3.676353226	1.19500324	2.481349986	0.000772
peak_33571	chr11	39204130	39204498	136612	Intergenic	NR_034195		3.307048351	0.825787209	2.481261142	0.004992
peak_18746	chr25	33671513	33672166	62766	intron (NM_001123047, intron 25 of 29)	NM_130970	isl2a	6.771980857	4.290980041	2.481000816	2.04E-05
peak_33245	chr18	32693119	32693555	103310	intron (NM_001014354, intron 1 of 13)	NM_001014354	kcnab1	6.025596405	3.545079636	2.480516769	0.004645
peak_14946	chr4	6561117	6561666	-17241	exon (NM_001114883, exon 10 of 13)	NM_001201541	tnnt2e	8.244173783	5.763764493	2.48040929	1.73E-06
peak_25001	chr7	13542470	13542950	102713	Intergenic	NM_001080696	zgc:158785	7.27133747	4.791017288	2.480320183	0.000388
peak_20394	chr19	11739527	11739902	-10819	Intergenic	NM_001001399	ssr2	6.744720495	4.265209695	2.4795108	5.07E-05
peak_33176	chr11	45552704	45553135	-16076	intron (NM_001015069_1, intron 3 of 3)	NM_214752	irf2bp2b	6.7514701	4.272426202	2.479043898	0.004578
peak_12114	chr15	34567210	34567629	17793	intron (NM_001080189_1, intron 4 of 18)	NM_001080189_1	zgc:158328	7.036207852	4.55738016	2.478827692	1.49E-07
peak_8319	chr17	46246351	46246795	270904	Intergenic	NR_029933		7.352435585	4.873730092	2.478705493	1.64E-09
peak_24439	chr16	24459830	24460138	14509	Intergenic	NM_001002349	aqp10a	6.01267478	3.534009818	2.478664962	0.000309
peak_28165	chr6	9632051	9632510	10108	Intergenic	NM_001128807	nfil3-3	4.046780623	1.568328884	2.478451738	0.001163
peak_23960	chr10	2868	3522	-1773	Intergenic	NM_212815_1	akt2l	6.697715547	4.219492755	2.478222792	0.000253
peak_27196	chr13	2713842	2714182	130463	Intergenic	NM_001161598	si:ch211-239i4.3	4.26649893	1.78859519	2.47790374	0.000832
peak_12623	chr18	22308240	22309094	-78256	Intergenic	NM_001135133	bcar1	7.304603924	4.826902094	2.47770183	2.43E-07
peak_31997	chr21	28294866	28295096	-57885	Intergenic	NM_001198550	ppp3ca	3.37244417	0.895109366	2.477334804	0.003427
peak_22665	chr3	20559241	20559671	147689	Intergenic	NM_201130	spop	4.753509216	2.276521541	2.476987675	0.000146
peak_28648	chr4	3996737	3997101	4742	intron (NM_001039890, intron 5 of 8)	NM_001039890	asb15b	5.795397703	3.318545658	2.476852045	0.001348
peak_21127	chr7	37356818	37357453	-192192	Intergenic	NM_001045227	irx5a	7.173801978	4.696966793	2.476835185	7.14E-05
peak_8831	chr6	53861546	53862103	-41410	Intergenic	NM_001013503	cacna2d2	9.861931393	7.385244276	2.476687117	3.34E-09
peak_27866	chr25	11592205	11592556	-198924	Intergenic	NM_001265607	mespbb	5.0420782	2.565436337	2.476641863	0.001053
peak_10655	chr19	11063047	11063721	44764	Intergenic	NM_200722	necap1	8.66323528	6.186865304	2.476369976	3.32E-08
peak_30861	chr10	29682158	29682518	-164787	Intergenic	NM_131000	alcama	4.892837471	2.417090791	2.47574668	0.002533
peak_15900	chr16	42253933	42254674	-16954	Intergenic	NM_182855	tgfbr2	7.11953637	4.643814998	2.475721373	3.50E-06
peak_25015	chr8	40558216	40558899	-659563	Intergenic	NM_001083829	pcsk5b	3.683215657	1.207700457	2.4755152	0.00039
peak_6905	chr1	34135912	34136650	6597	intron (NM_207062, intron 1 of 5)	NM_207062	klf12a	9.735545895	7.260304476	2.475241418	1.41E-10
peak_18853	chr7	53858401	53858737	38741	Intergenic	NM_001144979	gnrhr2	6.205665308	3.730654317	2.47501099	2.19E-05
peak_21996	chr14	50956764	50957127	-22107	Intergenic	NM_001002065_1	ppid	6.957542292	4.483283071	2.474259221	0.000109
peak_15152	chr24	13046372	13047191	124989	intron (NM_200925, intron 12 of 14)	NM_200925	stau2	7.955673368	5.481822788	2.473850579	2.02E-06
peak_36972	chr24	39743480	39744193	-9660	Intergenic	NM_001013511	mybpc2b	3.700328943	1.226539182	2.473789761	0.010525
peak_19974	chr15	5315159	5315482	24478	intron (NM_001159822, intron 1 of 15)	NM_001159822	arrb1	6.035015263	3.561595053	2.47342021	4.06E-05
peak_35323	chr15	11123047	11124034	588975	Intergenic	NM_130969	odz4	6.790616223	4.31738778	2.473228443	0.007354
peak_24638	chr5	33680125	33680356	31909	Intergenic	NM_001128686	arpc5lb	5.850274162	3.377054324	2.473219838	0.000335
peak_38784	chr11	45689384	45689900	-16088	intron (NM_001077304, intron 3 of 11)	NM_001082858	syngr2b	4.966494812	2.493469792	2.47302502	0.014708
peak_20225	chr16	14362238	14362682	-20001	Intergenic	NM_001045344	zgc:153234	6.450067432	3.977261015	2.472806418	4.65E-05
peak_11290	chr8	4597850	4598324	29284	intron (NM_001007378, intron 5 of 5)	NM_001007378	pptc7a	6.986856119	4.514097811	2.472758308	6.57E-08
peak_25448	chr13	50741362	50741725	16676	intron (NM_001291761, intron 2 of 2)	NM_200035	ggps1	6.322885642	3.850292011	2.472593631	0.000457
peak_14959	chr7	77259761	77260714	-6730	Intergenic	NM_001004655	rs1b	7.60784332	5.135340553	2.472502767	1.74E-06
peak_25043	chr2	31184202	31184573	5903	intron (NM_001081748_1, intron 1 of 11)	NM_001081748_1	cacnb2b	5.919983403	3.447974995	2.472008408	0.000393
peak_13310	chr6	43781262	43781777	32477	intron (NM_001039637, intron 2 of 19)	NM_001039637	foxp1b	7.332201313	4.860199229	2.472002084	4.68E-07
peak_7122	chr4	6555721	6556421	-22561	intron (NM_001114883, intron 6 of 12)	NM_001201541	tnnt2e	7.799745742	5.328757335	2.470988407	2.18E-10
peak_24789	chr19	47631228	47631923	-82731	Intergenic	NM_001177934	trps1	6.87300446	4.402026384	2.470978076	0.000358
peak_11620	chr8	12717185	12717687	81807	Intergenic	NM_001024214	endog	8.632981869	6.162044661	2.470937208	9.21E-08
peak_28290	chr7	51682248	51682636	47417	Intergenic	NM_199613	hsd17b12b	5.820169959	3.349285086	2.470884873	0.001204
peak_10238	chr20	51604676	51605686	-3006	Intergenic	NM_205635	slc35b2	8.143969219	5.673386499	2.47058272	2.02E-08
peak_29990	chr15	38044548	38045145	168807	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	7.153824786	4.683850305	2.469974481	0.00202
peak_27229	chr10	1536057	1536567	95195	Intergenic	NM_131732	gdnfa	4.283533241	1.813729373	2.469803867	0.000841
peak_12688	chr1	767308	767724	-1518	Intergenic	NM_207058	setdb2	7.762804127	5.293007622	2.469796506	2.60E-07
peak_17578	chr3	41653275	41653697	11067	intron (NM_001013277, intron 1 of 3)	NM_001013277	gna12a	7.083116538	4.613403727	2.469712811	1.04E-05
peak_5756	chr1	21864230	21865151	177973	Intergenic	NM_001089491	rfc1	10.1702944	7.700689774	2.469604623	1.36E-11
peak_18994	chr5	60511466	60511889	27113	Intergenic	NM_001002701	tmem136b	6.492051112	4.022551795	2.469499317	2.37E-05
peak_24952	chr13	45856384	45856711	-81265	Intergenic	NM_131604	runx3	3.634375402	1.165224779	2.469150624	0.00038
peak_5741	chr18	11227885	11228660	272212	Intergenic	NM_001013335	zgc:110789	10.4033182	7.93425673	2.469061472	1.32E-11
peak_19279	chr3	37277907	37278285	-134733	Intergenic	NM_001024223	mlx	6.005143752	3.536512894	2.468630858	2.75E-05
peak_18061	chr7	21577246	21577585	44279	Intergenic	NM_001039513	cnpy4	6.721096886	4.252510378	2.468586508	1.41E-05
peak_14067	chr3	60761352	60761582	177253	Intergenic	NM_001130778_1	zgc:194562	5.841076335	3.372921688	2.468154647	8.94E-07
peak_16968	chr25	30831222	30831622	153119	Intergenic	NM_001083030	brd1b	6.94686858	4.478895516	2.467973063	6.92E-06
peak_10945	chr2	38185274	38186329	109770	Intergenic	NM_131151	psmb5	7.920714755	5.452936925	2.46777783	4.60E-08
peak_16152	chr4	58218577	58218875	107019	Intergenic	NM_001113632	zgc:175107	5.66638043	3.198884197	2.467496234	4.15E-06
peak_18199	chr22	25946804	25947664	13531	Intergenic	NM_001045417	zgc:152936	5.638794795	3.171488633	2.467306162	1.52E-05
peak_16450	chr12	34820081	34820502	4846	intron (NM_213250, intron 1 of 9)	NM_213250	csnk1db	6.841854382	4.374661371	2.467193011	5.10E-06
peak_25009	chr9	46722477	46722940	-26335	intron (NM_200600, intron 13 of 14)	NM_001002736	asb1	7.061494943	4.594336407	2.467158535	0.000389
peak_22417	chr18	22798808	22799099	24129	intron (NM_199209, intron 3 of 5)	NM_199209	cbfb	3.992402332	1.525247585	2.467154748	0.000131
peak_17503	chr3	54063976	54064442	38938	Intergenic	NM_214779	nr5a5	7.363990723	4.897732843	2.46625788	9.81E-06
peak_36905	chr24	34323209	34323544	186523	Intergenic	NM_001130617	zgc:194780	5.504454597	3.038663522	2.465791075	0.010363
peak_14013	chr3	55817890	55818481	26404	intron (NM_001002228, intron 1 of 17)	NM_001002228	rhbdf1	8.393061126	5.927612353	2.465448773	8.54E-07
peak_15577	chr17	10073246	10073813	26182	intron (NM_131432, intron 10 of 24)	NM_131432	tyro3	7.667474907	5.202391224	2.465083683	2.75E-06
peak_29727	chr24	23147049	23147341	217275	Intergenic	NM_199680	zc2hc1a	5.652435006	3.187356789	2.465078217	0.001874
peak_20168	chr18	11423466	11423755	76874	Intergenic	NM_001013335	zgc:110789	6.162029285	3.697123207	2.464906078	4.52E-05
peak_22443	chr18	16580439	16580797	2278	exon (NM_001005770, exon 5 of 10)	NM_001005770	wee1	6.213093344	3.748250081	2.464843263	0.000132
peak_9385	chr4	22390187	22390756	304411	Intergenic	NM_001017591	cpm	7.553750667	5.089044943	2.464705724	7.20E-09
peak_6990	chr12	16645066	16646157	131934	Intergenic	NM_001162849	nmt1b	8.561760924	6.097060322	2.464700601	1.67E-10
peak_26721	chr24	22022580	22022951	-70722	Intergenic	NM_001008636	spice1	6.506902405	4.042245061	2.464657345	0.000706
peak_6998	chr25	14693791	14694759	-96	promoter-TSS (NM_001099422)	NM_001099422	exoc3l1	9.993643594	7.529374358	2.464269237	1.69E-10
peak_12980	chr22	40298163	40298623	37291	Intergenic	NM_213118	sox2	7.197415096	4.733184236	2.46423086	3.45E-07
peak_20513	chr25	25351032	25351469	377663	Intergenic	NM_001013512	tmem86a	6.516300081	4.052151562	2.464148519	5.34E-05
peak_10083	chr16	57689012	57689841	-46360	intron (NM_001039925, intron 11 of 11)	NM_001003988	xrcc1	8.401033176	5.936946513	2.464086664	1.70E-08
peak_24239	chr9	759017	759394	11901	Intergenic	NM_131045	eng1a	4.4631284	1.999106858	2.464021542	0.000286
peak_6411	chr3	28753073	28754191	62778	Intergenic	NM_001201336	fbxl16	9.970376064	7.506746649	2.463629414	5.71E-11
peak_6753	chr18	41030697	41031187	146430	Intergenic	NM_001007388	ttc36	8.059600833	5.595996905	2.463603929	1.10E-10
peak_29950	chr6	44005029	44005516	-29661	Intergenic	NM_001012373	rybpb	7.180967493	4.717949732	2.463017761	0.001996
peak_18448	chr4	13471192	13471509	38905	Intergenic	NM_001161493	si:dkey-261e22.4	6.073162832	3.610398975	2.462763857	1.73E-05
peak_22168	chr19	36761987	36762432	147695	Intergenic	NM_001020633	ndufs5	7.815590384	5.352874199	2.462716185	0.000117
peak_22164	chr14	37948097	37948664	16781	intron (NM_001020465_1, intron 2 of 6)	NM_001020465_1	zgc:113271	7.329043896	4.866419974	2.462623922	0.000117
peak_15692	chr13	18626351	18626593	31657	intron (NM_001076573, intron 5 of 6)	NM_001076573	zgc:154058	5.723815645	3.261280294	2.462535352	3.04E-06
peak_28895	chr7	47619788	47620073	9341	intron (NM_001082801, intron 5 of 5)	NM_001082801	zgc:162297	5.983375075	3.520870686	2.462504389	0.001464
peak_11783	chr5	73188742	73189202	-29206	Intergenic	NM_001003629	rgs3a	7.553496137	5.09108541	2.462410727	1.07E-07
peak_25752	chr23	8905542	8906939	-66287	Intergenic	NM_200986	tcea2	8.764205895	6.301879322	2.462326572	0.000505
peak_28829	chr11	8469962	8470303	-156218	Intergenic	NM_001002332	uox	5.594328508	3.132277633	2.462050876	0.00143
peak_18693	chr5	68786248	68787257	-15304	Intergenic	NM_131302	notch1b	9.337364439	6.875835911	2.461528528	1.98E-05
peak_12589	chr8	55071977	55072588	-50	promoter-TSS (NM_001080987)	NM_001080987	cyr61	8.208426813	5.747339632	2.461087181	2.36E-07
peak_23002	chr4	37904294	37905031	279811	Intergenic	NM_001114900	zgc:174708	5.884652309	3.423608671	2.461043638	0.00017
peak_32814	chr18	15963157	15963474	57341	Intergenic	NM_001045074	alx1	6.131843708	3.670863061	2.460980648	0.004187
peak_18856	chr11	39345	39694	-4573	Intergenic	NM_001007303	arfgap1	5.679788522	3.219326012	2.46046251	2.19E-05
peak_26840	chr24	24853111	24853744	26150	intron (NM_001083026, intron 2 of 20)	NM_001083026	rps6ka3b	7.155213655	4.694816179	2.460397476	0.000738
peak_21876	chr3	43235786	43236578	4737	intron (NM_200517, intron 2 of 8)	NM_200517	zfand2a	6.933758395	4.473963709	2.459794686	0.000103
peak_13269	chr10	29052105	29052512	-1555	TTS (NM_001007351)	NM_001005391	cltca	6.689206053	4.229462215	2.459743838	4.51E-07
peak_26995	chr5	837661	838167	-2327	intron (NM_001002385, intron 15 of 16)	NM_131461	tek	6.495953894	4.036304723	2.45964917	0.000778
peak_27810	chr23	39365823	39366779	17980	Intergenic	NM_001045224	bmf1	8.028199745	5.569135783	2.459063962	0.001033

peak_27051	chr11	27829386	27830082	-194565	Intergenic	NM_001045307	acad9	3.284661742	0.825787209	2.458874533	0.000791
peak_28770	chr9	9129533	9130218	-39240	Intergenic	NM_001126383	si:ch211-235e18.	7.878548992	5.42002373	2.458525262	0.001404
peak_7473	chr24	19645877	19646410	-113544	Intergenic	NM_001089499	zgc:162928	8.506048967	6.047838725	2.458210242	4.09E-10
peak_16900	chr23	37762580	37763157	-89728	Intergenic	NM_200856	tor1l3	6.916358234	4.458436849	2.457921385	6.67E-06
peak_13715	chr7	22843535	22844213	-112110	Intergenic	NM_001077144	tmem88b	7.411489408	4.953692336	2.457797072	6.63E-07
peak_15082	chr1	59760236	59760783	-3729	Intergenic	NM_200224	trip10b	8.477150749	6.019875037	2.457275711	1.92E-06
peak_22843	chr7	75958017	75958392	235568	Intergenic	NM_001077468	mrpl21	6.650685502	4.193693315	2.456992187	0.000157
peak_6602	chr24	43373980	43375131	45414	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	9.304417902	6.847626394	2.456791508	8.16E-11
peak_15124	chr21	34871818	34872275	-60301	Intergenic	NM_001001816	sgcd	6.252963016	3.796342843	2.456620173	1.98E-06
peak_27947	chr11	46307588	46307971	16839	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	5.667678564	3.211198133	2.456480431	0.001086
peak_29894	chr13	26916654	26917052	-10985	Intergenic	NM_212982	fancl	6.08879003	3.632345236	2.456444794	0.001967
peak_8131	chr18	49463141	49464112	27056	Intergenic	NM_001080621	zgc:158464	7.767453185	5.311078723	2.456374461	1.20E-09
peak_10298	chr16	13566083	13566926	-1639	Intergenic	NM_001007314	cxcr3.2	7.103121469	4.646856763	2.456264705	2.19E-08
peak_26367	chr13	47811712	47812259	50358	Intergenic	NM_001135791	bcl2l11	6.181261655	3.725148879	2.456112776	0.000625
peak_7464	chr7	11766151	11766775	37038	intron (NM_200157, intron 1 of 2)	NM_200157	abhd17c	7.56890989	5.112803845	2.456106045	4.06E-10
peak_7755	chr21	16255318	16256196	-136342	Intergenic	NM_001161551	rxraa	8.552449272	6.096362103	2.456087169	6.53E-10
peak_32488	chr10	43855465	43855724	27810	Intergenic	NM_131437	npy8ar	4.487835643	2.031824933	2.45601071	0.003879
peak_22399	chr18	11203494	11203798	296838	Intergenic	NM_001013335	zgc:110789	4.414350268	1.958410722	2.455939546	0.00013
peak_8873	chr20	15440282	15440757	-118089	Intergenic	NM_199987	jun	8.603537558	6.148820441	2.454717117	3.49E-09
peak_9704	chr23	44398772	44401152	-441	promoter-TSS (NM_001080623)	NM_001080623	zgc:158659	10.22475837	7.77016832	2.454590051	1.09E-08
peak_13838	chr20	39692266	39692914	-18691	Intergenic	NM_001045231	hddc2	9.018673968	6.564222598	2.45445137	7.34E-07
peak_26376	chr23	14837446	14837808	43825	Intergenic	NM_001006104	gss	6.05835458	3.604439263	2.453915317	0.000628
peak_24272	chr7	40446331	40446739	-112027	Intergenic	NM_131070	mdka	6.841279276	4.387596514	2.453682762	0.00029
peak_18180	chr12	33448725	33449108	-21330	Intergenic	NM_212932	lrrc59	5.811560692	3.358340378	2.453220315	1.51E-05
peak_39287	chr11	30415426	30416119	-31469	Intergenic	NM_001114908		5.854862259	3.401656788	2.453205471	0.016035
peak_11387	chr11	2693608	2694221	4476	intron (NM_178223, intron 2 of 11)	NM_178223	mapk14b	7.706818975	5.253722627	2.453096349	7.37E-08
peak_20993	chr24	4055878	4056226	170540	Intergenic	NM_201461	klf6a	6.257551374	3.804555623	2.452995751	6.67E-05
peak_37838	chr7	60579670	60580370	-7359	Intergenic	NM_001042686	hspa12b	3.782697136	1.330227956	2.45246918	0.012377
peak_11593	chr12	3276881	3277268	33753	Intergenic	NM_131451	irbp	6.67461995	4.222583765	2.452036185	9.00E-08
peak_24157	chr20	35923811	35924244	42033	intron (NM_001008583, intron 1 of 18)	NM_001008583	cd2ap	7.122230888	4.670666748	2.45156414	0.000276
peak_30199	chr25	16832198	16832489	114174	Intergenic	NM_001002217	cpa4	5.958072879	3.506764729	2.451308151	0.002144
peak_32868	chr5	32560514	32560874	2495	intron (NM_001114455, intron 1 of 1)	NM_001083847	spns2	6.386950701	3.93571372	2.451236981	0.004246
peak_13787	chr4	61985606	61986024	-18436	Intergenic	NM_201019	ttll1	6.931958922	4.481709316	2.450249606	7.00E-07
peak_14848	chr23	30788674	30789135	-157512	Intergenic	NM_212631	dnajc11	6.937899148	4.487738271	2.450160877	1.63E-06
peak_15940	chr2	20703562	20704020	16073	Intergenic	NM_153657	ptgs2a	7.046908098	4.597152905	2.449755194	3.60E-06
peak_21978	chr13	45889198	45889569	-63008	Intergenic	NM_001145701	si:ch211-168h21.	5.511247402	3.061499619	2.449747783	0.000108
peak_21315	chr5	15618555	15619419	323797	Intergenic	NM_001171697	npffr1l2	8.291500822	5.841852511	2.449648312	7.78E-05
peak_6141	chr14	49569424	49570025	-17681	Intergenic	NM_001115143	prom1a	8.792857346	6.34324914	2.449608206	3.32E-11
peak_18529	chr22	18868844	18869122	-98631	Intergenic	NM_200017	cirbp	6.162011373	3.712584883	2.449426491	1.81E-05
peak_23254	chr9	19743626	19743928	30701	Intergenic	NM_001079681	crfb1	4.835334277	2.386204222	2.449130055	0.000187
peak_11777	chr5	55214737	55215661	15500	intron (NM_001281844, intron 5 of 15)	NM_001281844	pik3r1	7.489340398	5.040740127	2.448600271	1.07E-07
peak_29379	chr19	37318439	37318805	-29431	Intergenic	NM_131814	angpt2b	5.763685396	3.315490362	2.448195033	0.001697
peak_24851	chr21	38273044	38273448	14325	intron (NM_201346, intron 2 of 10)	NM_201346	pafah1b1b	6.433329916	3.985410844	2.447919072	0.000367
peak_26230	chr13	42605049	42605652	-4370	Intergenic	NM_001020757	nanp	7.428991163	4.981115792	2.447875371	0.000596
peak_17731	chr11	2868714	2869670	-115940	Intergenic	NM_201028	cpne5	8.334663033	5.886975936	2.447687097	1.15E-05
peak_24867	chr18	49311951	49312541	65942	intron (NM_001080622, intron 6 of 8)	NM_001080622	cd276	6.033021694	3.585343269	2.447678425	0.00037
peak_5849	chr23	44543766	44544767	-10764	Intergenic	NM_200759	eif4e2rs1	9.753599	7.305968992	2.447630008	1.67E-11
peak_22905	chr20	40851067	40851312	50193	exon (NM_001100023, exon 30 of 33)	NM_001100023	si:dkey-233p4.1	5.789026601	3.341530339	2.447496261	0.000162
peak_7847	chr7	68858565	68859283	254387	Intergenic	NM_200672	swap70a	8.841183403	6.393889321	2.447294081	7.44E-10
peak_28475	chr4	27920964	27921579	-62975	Intergenic	NR_039293_4		5.660741649	3.213924927	2.446816722	0.001278
peak_8748	chr1	215530	216285	-2948	intron (NM_201027, intron 1 of 11)	NM_199978	gas6	8.312309904	5.86626423	2.446045674	2.93E-09
peak_8805	chr18	37793529	37794257	29594	intron (NM_001004608, intron 3 of 10)	NM_001004608	tmod2	8.305160104	5.859130096	2.446030008	3.18E-09
peak_28262	chr19	16612949	16613364	29586	Intergenic	NM_001040375	stmn1a	5.356371015	2.911000461	2.445370554	0.001195
peak_16026	chr23	39111575	39112225	65832	Intergenic	NM_001080609	sall4	7.043745509	4.598392646	2.445352863	3.84E-06
peak_32325	chr2	54613712	54614145	-128090	Intergenic	NM_001017676	capsla	6.94596686	4.500683418	2.445283441	0.003718
peak_25973	chr9	18448631	18449159	-149257	Intergenic	NM_001128338	vwa8	6.707017153	4.261782061	2.445235093	0.000546
peak_24013	chr20	42326485	42326810	47938	Intergenic	NM_200557	gopc	6.02658884	3.581689862	2.444898978	0.000258
peak_28492	chr21	44405229	44405621	6171	intron (NM_001040361, intron 5 of 8)	NM_001040361	h2afy	4.216384103	1.771592457	2.444791646	0.001287
peak_21662	chr23	28079333	28079733	-16076	intron (NM_153643, intron 10 of 10)	NM_130990	acvr1b	5.27216622	2.827537244	2.444628975	9.24E-05
peak_20779	chr5	50094497	50094858	-51741	Intergenic	NM_001130962	mef2cb	6.762899448	4.318351774	2.444547674	6.06E-05
peak_36819	chr11	25589099	25589345	25629	Intergenic	NM_001077251	olfml3b	2.664163689	0.219835396	2.444328293	0.010151
peak_38535	chr19	31154316	31155172	55108	Intergenic	NM_001245063	zgc:122991	3.898051465	1.453857079	2.444194386	0.014072
peak_32615	chr12	3827585	3828139	33757	intron (NM_213148, intron 1 of 4)	NM_001204332	gngt2b	5.288074786	2.843896919	2.444177867	0.003992
peak_30010	chr10	24411764	24412235	-71691	Intergenic	NM_200664	cadm2a	5.875649898	3.431845719	2.443804179	0.00203
peak_22617	chr7	66381344	66381724	50995	Intergenic	NM_001077722	tpcn2	5.875649898	3.431979807	2.443670091	0.000142
peak_27596	chr15	14750385	14750707	-54726	Intergenic	NM_001077141	tada2a	5.545626554	3.102033536	2.443593018	0.000956
peak_16804	chr17	43662321	43662675	5645	exon (NM_001005937, exon 6 of 13)	NM_001005937	rtkn2a	6.566926569	4.123585392	2.443341177	6.32E-06
peak_5589	chr14	50959284	50960684	-19068	Intergenic	NM_001002065_1	ppid	10.97068669	8.527464748	2.443221943	9.65E-12
peak_14684	chr23	32394059	32395089	1848	exon (NM_001002173, exon 2 of 7)	NM_001002173	nr4a1	7.426181591	4.982996882	2.443184708	1.44E-06
peak_7729	chr10	25109025	25109505	-12615	TTS (NM_199977)	NM_001025458	tpte	8.157932868	5.715103764	2.442829103	6.35E-10
peak_7265	chr24	3038697	3039614	-1204	Intergenic	NM_130916	inhbaa	7.96593581	5.523117776	2.442818034	2.87E-10
peak_30838	chr16	36497407	36497769	-31690	Intergenic	NM_205683	tcea3	5.857161911	3.414353829	2.442808082	0.002518
peak_36235	chr7	60095678	60096194	-29261	Intergenic	NM_201122	rpl34	5.305969655	2.863331038	2.442638618	0.008978
peak_13843	chr24	14294377	14295296	-60701	intron (NM_131777, intron 11 of 21)	NM_001163831	prdm14	8.603597376	6.161018884	2.442578493	7.36E-07
peak_22163	chr5	46865339	46865722	-75786	intron (NM_001044775, intron 28 of 33)	NM_001287096	adamts3	6.229352923	3.78709624	2.442256683	0.000117
peak_17992	chr10	41423931	41424382	166706	Intergenic	NM_200744	smfn	6.010971152	3.569129303	2.441841849	1.36E-05
peak_6752	chr23	37769877	37771082	-97339	Intergenic	NM_200856	tor1l3	8.458727982	6.01714798	2.441580002	1.10E-10
peak_20133	chr13	14234274	14234906	113947	intron (NM_001123058, intron 1 of 9)	NM_001123058	gfra4a	5.745769098	3.304271755	2.441497342	4.44E-05
peak_21958	chr16	41276214	41276487	17944	intron (NM_200839, intron 4 of 12)	NM_200839	eif3ea	6.138724867	3.697524861	2.441200006	0.000107
peak_20796	chr13	31442941	31443398	-54818	Intergenic	NM_001110389	mapk8a	6.809210005	4.368066994	2.441143011	6.10E-05
peak_7328	chr17	34831746	34832573	-140910	Intergenic	NM_201291	id2a	9.691768208	7.250657516	2.441110692	3.22E-10
peak_38261	chr9	39645360	39645659	5109	intron (NM_001014346, intron 2 of 13)	NM_001014346	snx4	5.672453566	3.231546658	2.440906909	0.013408
peak_31541	chr4	44317950	44318388	940168	Intergenic	NM_001128300	LOC100008037	5.252657886	2.811801306	2.44085658	0.003029
peak_20090	chr20	19412846	19413137	163872	Intergenic	NM_001030220	blk	6.05835458	3.617820113	2.440534467	4.34E-05
peak_36504	chr10	116940	117545	137	exon (NM_001008616, exon 1 of 6)	NM_001008616	erg	6.765742693	4.325363151	2.440379542	0.009554
peak_14829	chr13	35010636	35011055	-7923	Intergenic	NM_001012376_1	ism1	7.71608056	5.275775699	2.440304861	1.60E-06
peak_7219	chr7	14090638	14091556	98694	intron (NM_001245957, intron 5 of 10)	NM_001082864	sdhaf2	9.067750454	6.62749623	2.440254224	2.65E-10
peak_26852	chr6	37564114	37564506	-7742	Intergenic	NM_001018141	tubgcp5	3.804890439	1.364650599	2.44023984	0.000742
peak_14840	chr1	19421491	19421812	-46569	Intergenic	NM_001044325	zgc:136652	6.519207369	4.079140107	2.440067261	1.62E-06
peak_27478	chr4	702980	703312	14266	exon (NM_001159585, exon 8 of 11)	NM_001159585	sim1b	5.675037774	3.235011559	2.440026216	0.000919
peak_29023	chr7	60725992	60726781	53428	Intergenic	NM_001123240	slc8a4b	3.086222395	0.646338197	2.439884198	0.001522
peak_20044	chr7	68775086	68775515	-307168	Intergenic	NM_001110471_1	parvab	6.755964224	4.31614324	2.439820984	4.23E-05
peak_18777	chr7	46919941	46920304	339766	Intergenic	NM_001103194	uqcrfs1	6.461118862	4.021359289	2.439759573	2.09E-05
peak_22105	chr2	34870881	34871125	33543	Intergenic	NM_001089542	rfwd2	5.779428557	3.339717021	2.439711535	0.000114
peak_26595	chr15	29666018	29666727	-25428	intron (NM_001113485, intron 8 of 11)	NM_001159983	lyrm9	6.597056379	4.15753749	2.439518889	0.000674
peak_17854	chr7	70658820	70659491	-228060	Intergenic	NM_199682	ap1g1	7.265028589	4.825648615	2.439379975	1.25E-05
peak_9631	chr6	8392945	8393376	-94106	Intergenic	NM_001040393	kalrnb	7.673860201	5.23448972	2.439370481	9.93E-09
peak_39037	chr21	28704145	28707047	-46031	Intergenic	NM_001007382	ttc1	9.338757247	6.899749655	2.439007592	0.015362
peak_6235	chr4	10264497	10265520	27390	Intergenic	NM_001045037	tspan11	8.887978587	6.449060893	2.438917694	3.99E-11
peak_24920	chr25	11582226	11582876	-189095	Intergenic	NM_001265607	mespbb	7.416532142	4.977661751	2.438870391	0.000375
peak_8587	chr10	13680192	13680712	56185	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	7.761982246	5.323224594	2.438757652	2.33E-09
peak_23344	chr12	5359466	5359820	-26023	Intergenic	NM_001143904	irf3	5.585629356	3.146964842	2.438664514	0.000193
peak_24801	chr7	46771342	46771803	191216	Intergenic	NM_001103194	uqcrfs1	6.847020051	4.408395639	2.438624412	0.00036
peak_26912	chr3	36166094	36166421	6160	exon (NM_001126401, exon 4 of 4)	NM_001126401	si:ch211-234h8.7	5.837620387	3.399127494	2.438492893	0.000758
peak_28582	chr13	51962702	51963052	-36335	Intergenic	NM_144764	gpib	5.400332743	2.961931851	2.438400893	0.001323

peak_13818	chr7	21176848	21177174	-53046	Intergenic	NM_001111237	snx15	6.500089063	4.062358859	2.437730204	7.20E-07
peak_20629	chr1	272664	273099	-44076	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	7.117954438	4.680803509	2.437150929	5.67E-05
peak_26810	chr7	75567404	75567905	95630	Intergenic	NM_001013341	ywhae2	5.491806838	3.055188704	2.436618134	0.000732
peak_19498	chr21	36817646	36818333	46277	intron (NM_001007405_1, intron 7 of 11)	NM_213387	pgk1	8.615668419	6.179092964	2.436575455	3.09E-05
peak_26629	chr17	17676066	17676827	41541	intron (NM_001020619, intron 9 of 11)	NM_001020619	sptlc2a	7.669426495	5.233160402	2.436266093	0.000682
peak_13708	chr14	1994005	1995073	-105066	Intergenic	NM_001111171	etf1a	8.519013597	6.082976786	2.436036811	6.61E-07
peak_29457	chr4	45903191	45903847	-514555	Intergenic	NM_001128355	LOC794656	5.653308962	3.217489841	2.435819121	0.001735
peak_8668	chr2	6607069	6607756	16736	Intergenic	NM_001017821	rgs5b	7.536746199	5.101304369	2.43544183	2.59E-09
peak_11295	chr8	12061493	12062154	1884	intron (NM_001123243, intron 1 of 2)	NM_001123243	si:ch211-248e11.	7.17075336	4.735351019	2.435402341	6.62E-08
peak_24557	chr21	36642758	36643343	-93961	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	7.261737228	4.826372113	2.435365115	0.000324
peak_18989	chr13	38266789	38267297	-215905	Intergenic	NM_001256713	si:dkey-188i13.1:	6.462600828	4.027596193	2.435004634	2.37E-05
peak_16686	chr21	21867184	21867511	12122	intron (NM_001202443, intron 2 of 22)	NM_001202443	si:rp71-1p14.10	6.340930681	3.906005321	2.43492536	5.90E-06
peak_24229	chr9	20939926	20940355	283389	Intergenic	NM_001126449	pdxka	5.961957897	3.527382899	2.434574998	0.000284
peak_14582	chr10	12950036	12950489	129865	Intergenic	NM_001114892	musk	6.051390411	3.616932104	2.434458307	1.32E-06
peak_22269	chr12	907172	907446	-53973	Intergenic	NM_001078169	sult2st2	5.335768134	2.901482997	2.434285137	0.000123
peak_7241	chr7	74499534	74501309	-7956	Intergenic	NM_001083568	cacnb2a	9.749644348	7.315400435	2.434243912	2.75E-10
peak_17670	chr25	6935619	6936031	131633	Intergenic	NM_001122855	snx33	6.814309725	4.380403763	2.433905962	1.10E-05
peak_33688	chr10	18648307	18648551	-260647	Intergenic	NM_199776	ppp2r2d	2.653720264	0.219835396	2.433884869	0.005131
peak_31793	chr14	27533870	27534189	11566	intron (NM_182862, intron 3 of 16)	NM_182862	tgfbi	6.084584588	3.651215478	2.43336911	0.003259
peak_42425	chr8	29400049	29407278	28031	Intergenic	NM_213637	scrt2	6.297609065	3.864406007	2.433203058	0.026128
peak_19874	chr5	65674833	65675100	3200	intron (NM_001100016, intron 1 of 7)	NM_001100016	si:ch211-253h3.1	5.456104649	3.022947548	2.433157101	3.82E-05
peak_25667	chr8	16275356	16275705	235343	intron (NM_001017754, intron 3 of 4)	NM_001017754	agbl4	5.800534888	3.367380505	2.433154384	0.00049
peak_25407	chr16	52111319	52112054	64058	Intergenic	NM_001110524	brd2b	7.191853122	4.758748758	2.433104364	0.00045
peak_8641	chr2	35674239	35674706	73039	intron (NM_173277, intron 4 of 27)	NM_173277	lamc1	7.775314	5.342397774	2.432916225	2.48E-09
peak_23078	chr10	19743942	19744378	119951	Intergenic	NM_001111233	zgc:173837	6.528076893	4.095506639	2.432570254	0.000174
peak_22694	chr25	13949531	13950323	19714	intron (NM_200833, intron 2 of 5)	NM_200833	snrkb	6.955751594	4.523240729	2.432510866	0.000147
peak_13634	chr24	4916173	4916801	-71083	Intergenic	NM_001110021	cpb1	7.247730865	4.81550448	2.432226384	6.23E-07
peak_19914	chr4	20615670	20616182	-27605	Intergenic	NM_001076732	rps16	7.518234259	5.086209389	2.43202487	3.91E-05
peak_13706	chr23	40699666	40700012	14829	intron (NM_199972, intron 4 of 6)	NM_199972	elovl4b	6.285523982	3.85371413	2.431809851	6.61E-07
peak_25316	chr4	6328896	6329315	70372	intron (NM_001166228, intron 24 of 51)	NM_001166228	dock4b	6.927620469	4.495923668	2.431696802	0.000435
peak_26075	chr13	30754659	30755201	24547	intron (NM_001113339, intron 3 of 21)	NM_001113339	zmiz1a	6.963886216	4.532271233	2.431614982	0.000565
peak_37042	chr8	17069579	17070907	41648	Intergenic	NM_199713	calrl2	8.679943096	6.248485882	2.431457214	0.01064
peak_35503	chr22	39715298	39715617	23519	Intergenic	NM_001005981	kng1	6.015756074	3.584674984	2.431081091	0.007672
peak_28012	chr1	44387879	44388126	-4471	Intergenic	NM_199812	zgc:66472	3.504454597	1.07379276	2.430661837	0.001109
peak_19356	chr18	44339280	44339610	-31985	Intergenic	NM_201026	ap2m1b	5.788254342	3.357704653	2.430549888	2.85E-05
peak_7544	chr24	98758	99553	54142	Intergenic	NM_001045561	zgc:152808	8.024141658	5.593641472	2.430500186	4.73E-10
peak_22006	chr11	42292417	42292857	-15436	Intergenic	NM_001083570	errfi1	6.658567005	4.228291378	2.430275628	0.000109
peak_25018	chr11	21594453	21594864	-40	promoter-TSS (NM_200419)	NM_200419	tpst2	6.288306876	3.858384352	2.429922523	0.000391
peak_31288	chr8	31017952	31018681	-2749	Intergenic	NR_030033		7.515246897	5.085798502	2.429448396	0.002837
peak_20077	chr20	7780612	7780950	18714	Intergenic	NM_001244756	bloc1s2	6.109035543	3.680060017	2.428975526	4.31E-05
peak_6020	chr2	59520687	59523322	1309	TTS (NM_199837)	NM_199837	fem1a	11.4552676	9.026307918	2.428959679	2.49E-11
peak_10599	chr17	50193986	50195094	43089	Intergenic	NM_001030234	zgc:113372	7.953802019	5.525018523	2.428783496	3.08E-08
peak_22533	chr6	44255192	44255574	77899	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	6.905730326	4.477000083	2.428730243	0.000137
peak_17258	chr11	46645038	46645699	4988	intron (NM_001030267, intron 4 of 4)	NM_001030267	srsf7b	7.47243605	5.043788435	2.428647615	8.33E-06
peak_22622	chr23	23146205	23146707	195769	Intergenic	NM_212722	eno1a	7.328512809	4.900160474	2.428352336	0.000143
peak_36219	chr3	37542779	37543088	23450	Intergenic	NM_201504	arf2	3.137236739	0.709096771	2.428139967	0.008948
peak_9304	chr12	12702250	12703935	-53099	Intergenic	NM_001114932_1	wapalb	9.819344233	7.392318723	2.42702551	6.44E-09
peak_32815	chr9	23194379	23194734	-2927	intron (NM_001102644, intron 3 of 3)	NM_001103134	crygm2d16	2.646715745	0.219835396	2.426880349	0.004187
peak_24251	chr17	14827096	14827443	20460	intron (NM_001007433, intron 1 of 6)	NM_001007433	gpr137ba	6.839744537	4.413251686	2.42649285	0.000287
peak_23786	chr14	40520688	40520989	6722	exon (NM_131782, exon 5 of 9)	NM_131782	glra4a	5.962683708	3.536585748	2.42609796	0.000235
peak_15945	chr19	16080416	16081094	561987	Intergenic	NM_001040375	stmn1a	7.031816665	4.606197511	2.425619153	3.61E-06
peak_9647	chr4	10677850	10678666	-5451	Intergenic	NR_030037		9.701406332	7.276652687	2.424753645	1.01E-08
peak_18864	chr9	4240470	4240820	-375019	Intergenic	NM_001020664	rprma	6.63502627	4.210391595	2.424634675	2.20E-05
peak_16775	chr3	6216147	6216445	-54632	Intergenic	NM_212977	ddx39b	6.313777772	3.889229176	2.424548596	6.22E-06
peak_27039	chr21	32869798	32870278	128429	Intergenic	NM_199763	rnf145b	5.373474308	2.949124993	2.424349315	0.000787
peak_23712	chr23	20742629	20742964	22698	Intergenic	NM_212643	slc35c2	6.0201667	3.59601282	2.42415388	0.000227
peak_23706	chr4	47148929	47149470	395405	Intergenic	NM_001113606	zgc:173720	4.470089187	2.046035193	2.424053994	0.000226
peak_36337	chr15	26859467	26859914	11585	intron (NM_001110296, intron 5 of 18)	NM_001110296	brip1	5.857139784	3.433300478	2.423839306	0.009205
peak_7046	chr11	8737816	8739194	90096	intron (NM_001020583, intron 3 of 14)	NM_001020583	tbl1xr1a	9.297288483	6.873453326	2.423835157	1.87E-10
peak_41519	chr12	49910628	49911053	-4397	Intergenic	NM_001002570	zgc:92749	6.115093328	3.691432641	2.423660688	0.022994
peak_20318	chr21	42331505	42331912	24102	intron (NM_201133_1, intron 6 of 16)	NM_201133_1	stk10	6.385373566	3.961941931	2.423431635	4.87E-05
peak_25317	chr14	39996423	39996775	-47787	Intergenic	NM_001099453	rnasel3	3.732111944	1.309043062	2.423068882	0.000435
peak_34559	chr14	33163731	33164042	-35248	Intergenic	NM_001007399	fgf13a	5.803687165	3.380723684	2.422963481	0.006273
peak_33118	chr4	32570049	32570469	237281	intron (NM_001109867, intron 1 of 3)	NM_001109867	zgc:173708	6.247730865	3.824811801	2.422919063	0.004527
peak_17691	chr24	13286004	13286578	-109315	Intergenic	NM_001080583	rdh10a	7.215627448	4.792808317	2.422819131	1.12E-05
peak_15188	chr17	30080261	30080520	-143944	Intergenic	NM_212954	esrrga	5.867742917	3.445433615	2.422309301	2.07E-06
peak_9320	chr5	6078688	6079314	191966	Intergenic	NM_205570	zgc:73226	7.91196189	5.489742718	2.422219172	6.56E-09
peak_7908	chr1	15290249	15291034	-40962	Intergenic	NM_001030126	mtmr7b	9.252471353	6.830517796	2.421953557	8.25E-10
peak_23378	chr3	5742112	5742766	53357	Intergenic	NM_001002476	polr3h	6.066598018	3.645223244	2.421374775	0.000196
peak_16161	chr5	39475221	39475628	10820	Intergenic	NM_001281921	LOC794522	6.568085607	4.146754738	2.421330868	4.17E-06
peak_5994	chr13	28450659	28452120	36069	intron (NM_001077778, intron 1 of 9)	NM_001077778	smap1	10.16960401	7.748353875	2.421250135	2.29E-11
peak_15366	chr7	61020255	61020581	147663	intron (NM_131550, intron 10 of 20)	NM_200097	brms1	5.975689123	3.554826091	2.420863033	2.36E-06
peak_28388	chr16	17815077	17815575	-47556	Intergenic	NM_153650	has2	6.255250623	3.834404431	2.420846193	0.001243
peak_22091	chr16	6028000	6028449	-35668	intron (NM_001080653, intron 8 of 10)	NM_001077257_1	foxo1a	7.560405104	5.139639928	2.420765176	0.000113
peak_14792	chr9	57336079	57336857	-51941	Intergenic	NM_001166337	nlgn4b	5.918166654	3.497862163	2.420304491	1.56E-06
peak_22512	chr11	10542320	10542561	-22059	Intergenic	NM_001003883	ect2	5.145920112	2.726033505	2.419886606	0.000136
peak_27365	chr17	52067655	52068439	-85472	Intergenic	NM_001012488	zgc:113142	7.648830719	5.229183536	2.419647183	0.000881
peak_23209	chr22	18549194	18549638	5654	intron (NM_212916, intron 1 of 10)	NM_212916	gatad2ab	6.706187427	4.287446037	2.41874139	0.000184
peak_11976	chr10	23219541	23220362	42310	Intergenic	NM_001008605_1	zgc:103508	7.751476052	5.332916802	2.418559251	1.32E-07
peak_25148	chr1	33489165	33489738	159600	Intergenic	NM_001025302	nsun3	5.065941806	2.647485275	2.41845653	0.000409
peak_21565	chr3	58687250	58687624	-75571	Intergenic	NM_001161654	notum1a	6.320136613	3.901762619	2.418373994	8.83E-05
peak_21637	chr21	24476078	24476418	15040	Intergenic	NM_001013326	rfc2	5.987865449	3.56957907	2.418286379	9.18E-05
peak_30886	chr21	14355655	14356045	-50318	Intergenic	NM_001130782	zgc:193801	5.638794795	3.220625436	2.418169359	0.002547
peak_25415	chr20	1800744	1801496	32097	intron (NM_001278799, intron 1 of 49)	NM_001278799	lama2	7.249754736	4.831598934	2.418155802	0.00045
peak_27065	chr12	862846	863630	-9902	Intergenic	NM_001078169	sult2st2	4.677212817	2.259078948	2.418133869	0.000793
peak_10853	chr1	6803349	6804110	29493	Intergenic	NM_131808_1	efnb2b	8.231918984	5.813831168	2.418087816	4.13E-08
peak_21000	chr20	2349957	2350934	91078	Intergenic	NM_001044800	tmem200a	7.366398837	4.948352319	2.418046518	6.71E-05
peak_21901	chr6	1016488	1016908	-59717	Intergenic	NM_001245966	zeb2b	4.677212817	2.259481116	2.417731701	0.000104
peak_8130	chr5	6617637	6618366	-58908	Intergenic	NM_201588_1	pxna	8.694007335	6.276688109	2.417319225	1.20E-09
peak_27913	chr2	59141744	59142763	50876	intron (NM_212882_1, intron 3 of 9)	NM_212882_1		7.715865321	5.298734143	2.417131179	0.001072
peak_9806	chr10	42676798	42678446	-10215	Intergenic	NM_001003536	brf2	9.256913044	6.839991744	2.4169213	1.25E-08
peak_25807	chr6	38957362	38957764	-21566	Intergenic	NM_001159985	vdrb	6.399276025	3.982494948	2.416781077	0.000515
peak_30540	chr13	6788882	6789274	56525	Intergenic	NM_001144794	exoc3l4	5.462102159	3.045407645	2.416694514	0.00233
peak_20729	chr18	362004	362379	-7063	Intergenic	NM_199903_1	larp6	5.922160485	3.505699166	2.416461319	5.93E-05
peak_12775	chr6	6007426	6007848	158037	Intergenic	NM_001201446	rtn4a	7.073652563	4.657370424	2.416282139	2.84E-07
peak_13332	chr9	45694640	45695083	91150	Intergenic	NM_001128265	dusp19a	6.735841805	4.32008291	2.415758894	4.82E-07
peak_24460	chr19	13237302	13237712	33027	Intergenic	NM_001044994	si:ch211-105d11.	6.64694795	4.231763502	2.415184448	0.000311
peak_27785	chr4	23581020	23581461	570403	Intergenic	NM_131211	gata3	6.768153455	4.353035229	2.415118225	0.001026
peak_19039	chr21	12432424	12432772	368852	Intergenic	NM_001025182	stxbp1a	5.932318996	3.517205112	2.415113884	2.43E-05
peak_30789	chr20	7921975	7922235	160038	Intergenic	NM_001244756	bloc1s2	5.659002196	3.243890027	2.41511217	0.002478
peak_26622	chr13	53957168	53957631	-14528	intron (NM_199954_1, intron 4 of 4)	NM_200520	zgc:66337	5.935893853	3.521080692	2.414813162	0.000681
peak_22762	chr22	20959861	20960139	55583	Intergenic	NM_001100070	org	5.224051441	2.809314436	2.414737005	0.000151
peak_6236	chr2	59090652	59091992	-55	promoter-TSS (NM_212882_1)	NM_212882_1		8.727820245	6.313204055	2.41461619	4.00E-11
peak_28881	chr20	21190561	21190832	-150494	Intergenic	NM_001044888	nudt14	4.021202373	1.606593419	2.414608954	0.001456
peak_16581	chr3	45712651	45713206	-12673	Intergenic	NM_001080019	gpr146	7.633151232	5.218581058	2.414570174	5.52E-06

peak_27253	chr9	54012939	54013342	37571	intron (NM_001127466, intron 12 of 18)	NM_131573	dap1b	5.548917696	3.134367943	2.414549753	0.000849
peak_16546	chr14	53192157	53192447	76327	Intergenic	NM_199952	ube2d2l	5.658567005	3.244423274	2.414143731	5.41E-06
peak_21694	chr11	10712021	10712342	106929	Intergenic	NM_198876	b3gnt5a	5.688792312	3.274706582	2.41408573	9.37E-05
peak_13080	chr5	46666968	46667266	40573	Intergenic	NM_130952	dmrt2a	6.124280981	3.710222508	2.414058473	3.81E-07
peak_29556	chr13	24600725	24601125	2234	intron (NM_001007443, intron 2 of 2)	NM_001007443	rhoua	6.082620547	3.668568718	2.414051829	0.00179
peak_31159	chr8	17953668	17954152	81936	intron (NM_130935, intron 1 of 6)	NM_130935	skia	7.648379662	5.234649812	2.41372985	0.002729
peak_16137	chr7	32069139	32069545	7361	intron (NM_001077597, intron 2 of 15)	NM_001077597	mtmr10	6.485903181	4.072364646	2.413538535	4.11E-06
peak_12016	chr16	15596468	15597244	-9637	exon (NM_001040373, exon 12 of 12)	NM_001113584	zgc:174888	9.912580604	7.499156232	2.413424371	1.36E-07
peak_29328	chr23	39477109	39477535	-15132	exon (NM_001110410, exon 4 of 5)	NM_001003837	src	4.019847667	1.606593419	2.413254248	0.001677
peak_28008	chr16	11041640	11042631	-6593	Intergenic	NM_001003835	taf2	4.893577317	2.48044886	2.413128457	0.001106
peak_6053	chr1	19594339	19595460	12428	intron (NM_131010, intron 2 of 21)	NM_131010	tll1	9.82548197	7.412521794	2.412960176	2.71E-11
peak_31745	chr6	49542535	49542938	7847	intron (NM_212647, intron 1 of 5)	NM_212647	vapb	2.897965428	0.48510786	2.412857568	0.003217
peak_13702	chr15	41687011	41687378	-39422	intron (NM_001123284, intron 8 of 11)	NM_001045128	acsl3a	6.738956681	4.326722545	2.412234137	6.57E-07
peak_14755	chr12	12610808	12611576	-47523	Intergenic	NM_001111182	htra1b	5.848367416	3.436256818	2.412110598	1.52E-06
peak_15787	chr8	46228150	46228704	-132676	Intergenic	NM_001130631	ulk1a	7.079688427	4.667788229	2.411900198	3.25E-06
peak_15741	chr20	46838910	46840182	1862	intron (NM_001002493, intron 1 of 3)	NM_001002493	jdp2	7.851999184	5.440472936	2.411526249	3.15E-06
peak_6259	chr13	37932314	37933079	-60409	Intergenic	NM_001167958	wdr89	10.07487735	7.66343473	2.411442622	4.25E-11
peak_17306	chr4	44804298	44804916	453730	Intergenic	NM_001128300	LOC100008037	8.499853232	6.088536082	2.41131715	8.56E-06
peak_23901	chr22	27579494	27580043	-12171	Intergenic	NM_198068	cxcl12b	8.026008362	5.614747905	2.411260457	0.000246
peak_24225	chr3	56628460	56628769	11507	intron (NM_131561, intron 7 of 10)	NM_131561	axin2	4.299317636	1.888243585	2.411074051	0.000283
peak_7491	chr25	2551712	2552326	-56089	Intergenic	NM_001077466	bbs4	8.160620071	5.749596261	2.41102381	4.26E-10
peak_9645	chr5	9201326	9201910	9314	intron (NM_001045858, intron 1 of 2)	NM_001045858	fgf10b	8.429302645	6.01842237	2.410880276	1.01E-08
peak_17319	chr16	30628399	30628823	16580	intron (NM_001114911, intron 5 of 12)	NM_001114911	itga8	6.478278858	4.067440883	2.410837976	8.62E-06
peak_24444	chr6	38569810	38570477	-134127	Intergenic	NM_001007318	ube3a	6.360909994	3.950517895	2.410392099	0.000309
peak_33532	chr8	8346568	8347031	2922	intron (NM_131848, intron 1 of 9)	NM_131848	tfe3a	7.009255553	4.598911278	2.410344275	0.004952
peak_10930	chr10	12559506	12559881	-424466	Intergenic	NM_001004502	lpar1	6.90371192	4.493636066	2.410075854	4.53E-08
peak_16211	chr9	32400811	32401709	85722	Intergenic	NM_131558	zic2a	8.134285194	5.724217246	2.410067948	4.32E-06
peak_31413	chr15	34348209	34348630	9155	intron (NM_213519, intron 1 of 9)	NM_213519	sesn3	2.895012766	0.48510786	2.409904906	0.002922
peak_8273	chr25	4427230	4427871	-115995	Intergenic	NM_131786	cry3	8.779175441	6.369394411	2.40978103	1.52E-09
peak_33219	chr20	30898055	30898742	28457	Intergenic	NM_200198	hebp2	2.629054199	0.219835396	2.409218804	0.004618
peak_33218	chr16	49671890	49672205	-20764	Intergenic	NM_001105700	zgc:174938	2.629054199	0.219835396	2.409218804	0.004618
peak_7311	chr2	49055129	49056263	-105929	Intergenic	NM_001100058	LOC797092	9.522045761	7.113355055	2.408690706	3.11E-10
peak_27387	chr6	631256	631717	-22605	Intergenic	NM_001114903	cyth4b	5.384569	2.976029152	2.408539849	0.000889
peak_27115	chr12	1688941	1689370	18727	intron (NM_001045248_1, intron 4 of 10)	NM_001045248_1	usp22	3.383019995	0.975101991	2.407918004	0.000809
peak_13640	chr8	15688109	15688484	-9015	Intergenic	NM_001113620	bcar3	6.174276477	3.766435961	2.407840516	6.26E-07
peak_28913	chr10	27491746	27492068	29301	Intergenic	NM_001006010	sssca1	4.314866759	1.907116997	2.407749762	0.001474
peak_9253	chr2	15185850	15186267	-40761	Intergenic	NM_001006023	tecrl2	7.727975808	5.32075076	2.407225048	5.94E-09
peak_16225	chr5	60007260	60007843	-11413	Intergenic	NM_001199683	pou2f3	7.072509599	4.665425517	2.407084082	4.35E-06
peak_26294	chr4	7361907	7362267	127027	Intergenic	NM_001025506	adipor2	6.402673422	3.995648043	2.407025379	0.000609
peak_8519	chr15	25000883	25001674	-14573	Intergenic	NM_001002314	hic1	8.691178572	6.284959583	2.406218989	2.16E-09
peak_12960	chr14	7102381	7102839	62346	Intergenic	NM_001077568	ctsf	7.834439525	5.428379375	2.40606015	3.37E-07
peak_11376	chr20	42902232	42902585	-10459	Intergenic	NM_001089390	si:ch211-215m21	6.808229421	4.402339044	2.405890377	7.24E-08
peak_20101	chr20	35386522	35386828	-20371	Intergenic	NM_001007366	vsnl1a	5.637470398	3.231669409	2.405800989	4.36E-05
peak_32302	chr12	29687671	29688069	209317	Intergenic	NM_001130772	zgc:195081	6.176084222	3.770506203	2.405578019	0.003691
peak_29952	chr19	46984153	46985232	19717	intron (NM_001134684, intron 13 of 18)	NM_001134684	lrp6	6.004821379	3.599409951	2.405411428	0.001997
peak_12166	chr5	65530056	65530745	130545	Intergenic	NM_001110103	aspa	8.335147612	5.929945561	2.405202051	1.58E-07
peak_21508	chr18	42562956	42563501	-33026	Intergenic	NM_001081628	cdon	7.191711511	4.786682051	2.40502946	8.57E-05
peak_19882	chr17	2824508	2824856	-76277	Intergenic	NM_001040251	zgc:136872	7.021690319	4.616785711	2.404904607	3.84E-05
peak_16766	chr19	39889165	39889562	79109	Intergenic	NM_001044795	smap2	7.218886609	4.814245637	2.404640972	6.20E-06
peak_26445	chr9	46786247	46786484	37322	Intergenic	NM_001002736	asb1	4.449046535	2.044438478	2.404608056	0.00064
peak_11934	chr9	40977015	40977593	-52256	Intergenic	NM_001161762_1	si:zfos-1425h8.1	6.958780025	4.5542374	2.404542625	1.27E-07
peak_23897	chr25	30391441	30391927	13011	exon (NM_001076723, exon 2 of 2)	NM_001177498	ugt5a4	4.617404898	2.214234088	2.40317081	0.000246
peak_20034	chr11	19301732	19302008	8413	intron (NM_001007063, intron 1 of 21)	NM_001007063	magi1b	5.69729188	3.294286913	2.403004968	4.21E-05
peak_18028	chr20	20810590	20811355	7785	intron (NM_001044824, intron 2 of 17)	NM_001044824	ppp1r13bb	7.845390239	5.442447969	2.40294227	1.38E-05
peak_8895	chr1	17144926	17146015	42586	intron (NM_001170942, intron 4 of 10)	NM_001170942	klhl5	8.435434609	6.032584469	2.40285014	3.62E-09
peak_26242	chr20	18329005	18329613	30443	Intergenic	NM_213166	psma8	7.108885564	4.706246624	2.402638941	0.000598
peak_31743	chr4	38889312	38889646	-492298	Intergenic	NM_001109839	zgc:173617	2.877168754	0.474639816	2.402528938	0.003216
peak_7273	chr20	388579	389247	39035	intron (NM_001029969, intron 3 of 13)	NM_001029969	fynb	7.961164085	5.558640376	2.402523709	2.92E-10
peak_20211	chr2	46215404	46215742	40741	intron (NM_201020, intron 1 of 1)	NM_201020	gpc1b	6.252946198	3.850464736	2.402481462	4.61E-05
peak_23801	chr23	41706324	41706706	149525	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	6.545155778	4.142899723	2.402256054	0.000236
peak_23631	chr23	23495861	23496496	-22619	Intergenic	NM_001003830	noc2l	7.255250623	4.853059339	2.402191285	0.000218
peak_29493	chr15	24491528	24491951	15161	intron (NM_001007458, intron 5 of 21)	NM_001007458	vps53	6.842812384	4.440646865	2.402165519	0.001753
peak_34527	chr20	55443508	55445593	-341705	Intergenic	NM_001098396	zgc:158463	2.621928594	0.219835396	2.402093198	0.006224
peak_13468	chr12	41104562	41105422	753591	Intergenic	NM_001099246	abca5	8.543444486	6.141547943	2.401896543	5.40E-07
peak_7628	chr1	48948755	48949949	620626	Intergenic	NM_001077556	ccdc147	9.644947847	7.243112421	2.401835427	5.36E-10
peak_31060	chr8	24655313	24655954	-7153	Intergenic	NM_001126419	si:ch211-163l21.:	7.040723481	4.639083876	2.401639605	0.002658
peak_39437	chr13	30970497	30970799	-46588	Intergenic	NM_001009985	rassf4	5.703236541	3.302015329	2.401221212	0.016403
peak_14511	chr20	5971600	5972034	115912	intron (NM_001080047, intron 18 of 19)	NM_001089536	cep128	6.923087772	4.522056007	2.401031766	1.27E-06
peak_22787	chr18	42398370	42398635	-3694	Intergenic	NM_001005575	bcl9l	5.557373553	3.15638022	2.400993333	0.000153
peak_17036	chr9	49664997	49665322	82966	intron (NM_001194987, intron 55 of 80)	NM_198069	rdh1	6.201488841	3.800527043	2.400961798	7.18E-06
peak_21923	chr10	12870592	12870982	209340	Intergenic	NM_001114892	musk	5.012334216	2.611522332	2.400811883	0.000105
peak_33850	chr14	17571804	17572198	-95139	Intergenic	NM_001044746	cnga5	6.469826694	4.069222184	2.40060451	0.005323
peak_17477	chr16	14945971	14946585	-229677	Intergenic	NM_001007444	zgc:101640	7.248615454	4.848225519	2.400389935	9.59E-06
peak_20556	chr21	16379812	16380124	-12131	Intergenic	NM_001161551	rxraa	6.159552967	3.759369306	2.400183661	5.48E-05
peak_22086	chr22	41758254	41758817	-6177	Intergenic	NM_001114476_2	mark1	4.193665276	1.793585	2.400080276	0.000113
peak_13225	chr6	47473483	47473760	64705	Intergenic	NR_030036		5.81627337	3.416400408	2.399872962	4.30E-07
peak_34837	chr19	17675815	17676040	-171590	Intergenic	NM_131857	klf2b	4.263067798	1.863651775	2.399416023	0.006611
peak_29985	chr8	47075426	47075916	41247	Intergenic	NM_001017904	zgc:113060	5.225227423	2.825880872	2.399346551	0.002019
peak_23847	chr7	56750365	56750705	52456	Intergenic	NM_200668	aprt	6.790826387	4.39153789	2.399288497	0.000242
peak_16084	chr2	24988792	24989096	-79339	Intergenic	NM_001002303	nceh1a	5.866989699	3.468005453	2.398984245	3.96E-06
peak_6553	chr11	44699701	44700554	-3086	Intergenic	NM_001002123	ralbb	8.943639023	6.544805234	2.39883379	7.41E-11
peak_5766	chr10	29251058	29252163	-188960	Intergenic	NM_001007351	btg3	10.13427492	7.735633284	2.398641639	1.39E-11
peak_20138	chr3	16549502	16549812	7399	intron (NM_212672, intron 2 of 20)	NM_212672	atp6v0a1a	5.497171351	3.098608177	2.398563174	4.45E-05
peak_34823	chr22	32528	32765	-7756	intron (NM_199935, intron 6 of 9)	NM_001080577	celsr2	5.007557848	2.609160782	2.398397066	0.006589
peak_12991	chr19	16508481	16510045	133479	Intergenic	NM_001040375	stmn1a	8.644212606	6.245839913	2.398372693	3.49E-07
peak_10190	chr17	26346558	26347354	99680	Intergenic	NM_001080665	fam149b1	8.983717477	6.585373273	2.398344205	1.93E-08
peak_10250	chr7	17173424	17174112	59554	intron (NM_001017735, intron 4 of 6)	NM_001017735	mpped2a	9.723601557	7.325288331	2.398313226	2.06E-08
peak_17757	chr18	12682903	12683298	2458	intron (NM_200012, intron 2 of 3)	NM_200012	cotl1	7.067263497	4.669122994	2.398140503	1.17E-05
peak_26198	chr5	29178398	29178817	8539	intron (NM_205585, intron 2 of 2)	NM_205585	sfrp1a	5.8718786	3.474143413	2.397735188	0.000589
peak_14514	chr4	6870214	6870829	11720	intron (NM_001201357, intron 1 of 16)	NM_001201357	LOC798487	6.77982878	4.382260129	2.397568651	1.27E-06
peak_10016	chr15	45588121	45588500	-196668	Intergenic	NM_001278822	igsf11	7.178987594	4.781553544	2.39743405	1.59E-08
peak_15974	chr1	59799962	59800353	-20326	Intergenic	NM_200748_1	pin1	5.696892816	3.299711351	2.397181465	3.70E-06
peak_10088	chr16	56553695	56554085	27641	intron (NM_001098197, intron 3 of 10)	NM_001097586	nkd2b	7.291579178	4.894762783	2.396816395	1.71E-08
peak_14351	chr18	5720068	5720539	-34	promoter-TSS (NM_001045382)	NM_001045382	tnni1c	7.130755098	4.734575129	2.396179969	1.10E-06
peak_26071	chr1	44745129	44746153	-22121	Intergenic	NM_001030268	cabp2a	7.304587697	4.908945376	2.395642321	0.000564
peak_28803	chr16	9595186	9595491	-14155	Intergenic	NM_001083581	entpd3	6.215479522	3.820474214	2.395005307	0.001421
peak_37010	chr20	68353	68742	-30925	Intergenic	NM_001114452	zgc:174972	2.614767619	0.219835396	2.394932223	0.010585
peak_37013	chr4	52076242	52076609	-1001819	Intergenic	NM_001109839_1	zgc:173617	2.614767619	0.219835396	2.394932223	0.010585
peak_37012	chr4	20722049	20722702	44927	intron (NM_200709, intron 2 of 5)	NR_037198		2.614767619	0.219835396	2.394932223	0.010585
peak_37011	chr4	6686254	6686522	57059	Intergenic	NM_213286	lta4h	2.614767619	0.219835396	2.394932223	0.010585
peak_37009	chr1	42089099	42089449	97067	Intergenic	NM_001080190	mogs	2.614767619	0.219835396	2.394932223	0.010585
peak_10922	chr13	27843396	27843931	-149163	Intergenic	NM_001013529	asrgl1	8.092258371	5.697408818	2.394849553	4.51E-08
peak_22234	chr11	38468769	38469457	-1949	Intergenic	NM_001040385	egfl7	6.758618124	4.363954344	2.39466378	0.000121
peak_24882	chr22	11972419	11973024	-29254	Intergenic	NM_001044313	ptpn4b	6.684083644	4.289560245	2.394523399	0.000372
peak_27172	chr11	17474280	17474621	515070	Intergenic	NM_001110030	kbtbd8	5.831433437	3.436920373	2.394513064	0.000825

peak_17465	chr10	9438421	9438935	1810	intron (NM_200793, intron 2 of 5)	NM_200793	rbm18	6.533308462	4.139054785	2.394253677	9.53E-06
peak_13641	chr7	10091633	10091962	2565	intron (NM_001045334, intron 1 of 5)	NM_001045334	vimp	6.264162353	3.869932087	2.394230266	6.26E-07
peak_10575	chr5	32823674	32824705	-149974	Intergenic	NM_001102674	cyb5d2	8.706664184	6.312610929	2.394053255	2.98E-08
peak_25603	chr16	49528503	49529004	4818	exon (NM_001111235, exon 2 of 2)	NM_001111235	rpz3	4.744515468	2.351041824	2.393473644	0.000481
peak_25426	chr4	3111835	3112174	112457	Intergenic	NM_213306	pik3cg	6.441968474	4.048551482	2.393416992	0.000453
peak_22126	chr8	2908826	2909162	-26495	Intergenic	NM_001039998	sh3glb2a	6.669636175	4.276463659	2.393172516	0.000115
peak_20344	chr23	8750330	8750652	-35620	Intergenic	NM_001130639	rgs19	6.182793364	3.789776042	2.393017322	4.94E-05
peak_30126	chr13	3653306	3653677	60327	Intergenic	NM_199907	yipf3	5.861706133	3.468723696	2.392982437	0.002099
peak_29597	chr20	32789442	32789757	-6045	Intergenic	NM_200618	fam84a	5.602975521	3.210217187	2.392758334	0.001801
peak_13735	chr8	10821023	10821612	93343	Intergenic	NM_001077391	zgc:153997	7.550456861	5.158111055	2.392345806	6.72E-07
peak_34678	chr13	37384116	37384376	24294	intron (NM_001020816, intron 9 of 13)	NM_001020816	frmd6	5.483448122	3.091127466	2.392320656	0.006413
peak_10329	chr10	25121605	25122237	41	promoter-TSS (NM_001025458)	NM_001025458	tpte	8.575508377	6.183256222	2.392252155	2.25E-08
peak_9977	chr5	4073814	4074783	12298	intron (NM_001100048, intron 1 of 6)	NM_001100048	dhrs11a	8.807245306	6.415013403	2.392231903	1.52E-08
peak_13232	chr17	48520313	48520611	11649	TTS (NM_001201393_1)	NM_001201393_1	smoc1	6.185816673	3.793908514	2.391908158	4.33E-07
peak_22926	chr3	12020609	12020963	-98337	intron (NM_001042778, intron 10 of 11)	NM_001076623	prkar1b	5.751878154	3.360127707	2.391750447	0.000163
peak_17722	chr14	2206863	2207595	22030	intron (NM_001013264, intron 1 of 4)	NM_001013264	fgf18a	8.500888884	6.109313595	2.391575289	1.14E-05
peak_11209	chr13	18980911	18981815	-97112	Intergenic	NM_001145606	lzts2a	8.891787159	6.500859733	2.390927426	6.05E-08
peak_21271	chr22	39175529	39176153	238644	Intergenic	NM_001017600	polr2h	7.605228942	5.214396065	2.390832878	7.62E-05
peak_22231	chr22	38588347	38588713	196885	Intergenic	NM_001113587	hykk.2	4.764113611	2.373298056	2.390815554	0.000121
peak_17875	chr22	4556098	4556529	74808	Intergenic	NM_200074	cherp	6.420780164	4.030032542	2.390747622	1.26E-05
peak_14246	chr9	18250460	18251022	48897	intron (NM_001128338, intron 14 of 44)	NM_001128338	vwa8	8.02921985	5.638570292	2.390649557	1.02E-06
peak_19849	chr1	20585647	20586040	25055	intron (NM_131638, intron 4 of 10)	NM_131638	pax5	6.743477924	4.352862337	2.390615587	3.76E-05
peak_21801	chr15	16125723	16126154	-7381	Intergenic	NM_205580	mos	6.498645129	4.108210519	2.39043461	9.90E-05
peak_23391	chr21	39115949	39116309	-280	promoter-TSS (NM_001040298)	NM_001040298	or115-6	5.890942964	3.500589246	2.390353717	0.000197
peak_30851	chr25	31803979	31804296	230672	Intergenic	NR_030401		4.545626554	2.155703238	2.389923316	0.002528
peak_26215	chr17	44033391	44033767	-43670	exon (NM_200081, exon 29 of 35)	NM_001002616	peli2	6.180370147	3.790856978	2.389513168	0.000593
peak_13970	chr24	40910575	40911735	-149037	Intergenic	NM_001037114	nubp2	8.364336019	5.975047474	2.389288545	8.20E-07
peak_25910	chr10	6358043	6358653	81527	Intergenic	NM_001128757	zgc:194281	6.84126809	4.45223381	2.38903428	0.000534
peak_39086	chr16	20253109	20274432	-229524	Intergenic	NM_131238	rxrbb	3.753461665	1.364650599	2.388811066	0.01548
peak_26264	chr16	13183576	13183863	-4060	Intergenic	NM_001245961	grik5	3.639677051	1.251205952	2.388471099	0.000601
peak_20845	chr5	46053358	46053637	61890	Intergenic	NM_001111220	gas1a	5.955574469	3.567612618	2.387961851	6.24E-05
peak_37278	chr9	29255503	29256027	-10313	Intergenic	NM_131134	fzd5	6.699645189	4.312157397	2.387487791	0.011174
peak_19797	chr4	11855294	11855664	4538	Intergenic	NM_131163	b2m	6.514136814	4.126686186	2.387450628	3.65E-05
peak_15904	chr20	15489672	15490115	-68715	Intergenic	NM_199987	jun	6.74983673	4.362398219	2.38743851	3.51E-06
peak_11832	chr19	24976675	24977940	3187	3' UTR (NM_200087, exon 6 of 6)	NM_200087	txnipa	7.670836083	5.283711646	2.387124437	1.12E-07
peak_11377	chr13	10617864	10619127	82686	Intergenic	NM_200480	dync2li1	9.190118362	6.803015923	2.387102439	7.26E-08
peak_16051	chr17	39306592	39307089	45086	intron (NM_212821, intron 2 of 16)	NM_212821	crim1	7.289604978	4.902878027	2.386726952	3.90E-06
peak_5585	chr20	2324393	2325603	65631	Intergenic	NM_001044800	tmem200a	10.28244225	7.895949476	2.386492776	9.57E-12
peak_25011	chr6	23113068	23113324	63779	Intergenic	NM_214684	cacng1	4.941670391	2.555384968	2.386285422	0.00039
peak_19590	chr7	64297037	64297405	994761	Intergenic	NM_131287	sox17	5.996196116	3.610398975	2.385797141	3.27E-05
peak_16837	chr15	10398496	10399653	25323	intron (NM_001002694, intron 1 of 8)	NM_001002694	prcp	8.880429897	6.494789208	2.385640688	6.45E-06
peak_29116	chr6	30560606	30561094	164681	Intergenic	NM_001037669	insl5a	6.880707059	4.495442436	2.385264623	0.001567
peak_30077	chr14	33769209	33769500	-4217	Intergenic	NM_212940	lnx2b	5.585629356	3.200589853	2.385039503	0.002065
peak_21509	chr15	27816032	27816347	-15668	Intergenic	NM_001030229	ankrd13b	6.180066958	3.795515395	2.384551563	8.58E-05
peak_26219	chr1	13145985	13146562	-22167	Intergenic	NM_001037394	ppp2r2ca	6.64384759	4.259348484	2.384499105	0.000594
peak_14443	chr16	3591082	3591550	8835	exon (NM_001105701_1, exon 4 of 7)	NM_001105701_1	lars2	7.367863741	4.983536865	2.384326876	1.21E-06
peak_11895	chr13	50339054	50339450	83668	Intergenic	NM_199981	irf2bp2a	6.807433021	4.423200729	2.384232292	1.21E-07
peak_25549	chr17	42975217	42975546	-23341	Intergenic	NM_001003729	zgc:92137	5.380880242	2.996652019	2.384228222	0.000472
peak_15820	chr10	25171669	25172903	18449	intron (NM_200571, intron 2 of 12)	NM_200571	ilk	9.544503056	7.160294087	2.38420897	3.30E-06
peak_9892	chr18	49485568	49486119	4839	intron (NM_001080621, intron 1 of 2)	NM_001080621	zgc:158464	7.397313513	5.013514441	2.383799073	1.39E-08
peak_14292	chr19	36785233	36785625	124475	Intergenic	NM_001020633	ndufs5	6.531394402	4.14785369	2.383540712	1.05E-06
peak_25989	chr16	24442102	24442334	32275	Intergenic	NM_001002349	aqp10a	5.69389806	3.310564278	2.383333782	0.000548
peak_20699	chr2	44650784	44651059	18220	intron (NM_001077340, intron 4 of 7)	NM_001077340	klhl24a	5.854862259	3.473127422	2.381734837	5.85E-05
peak_12822	chr22	15984050	15984576	-60068	Intergenic	NM_131856	klf2a	7.271471477	4.889815894	2.381655584	2.96E-07
peak_15927	chr23	19025951	19026394	-49889	Intergenic	NM_001007446	nsfl1c	6.732951014	4.351530443	2.381420571	3.58E-06
peak_9786	chr11	11843081	11843878	2493	intron (NM_131177, intron 1 of 15)	NM_131177	jupa	7.720263056	5.339244368	2.381018688	1.22E-08
peak_9303	chr8	13022080	13022778	-72212	Intergenic	NM_001128381	traf1	8.20176578	5.82099847	2.38076731	6.43E-09
peak_23666	chr5	65788989	65789280	2416	intron (NM_001083540, intron 2 of 5)	NM_001083540	zswim7	5.430273871	3.049541917	2.380731954	0.000222
peak_13344	chr25	6479066	6479619	3235	intron (NM_001002409, intron 1 of 7)	NM_001002409	rbpms2a	8.237474606	5.856870547	2.380604059	4.88E-07
peak_13661	chr16	6260166	6260792	-29826	intron (NM_001080653, intron 8 of 10)	NM_200320	cog6	8.524653732	6.144374461	2.380279272	6.36E-07
peak_36308	chr13	53054646	53055001	66725	Intergenic	NM_001135784	nkx6.2	5.196066283	2.81595363	2.380112654	0.009139
peak_31008	chr3	34376920	34377445	57829	Intergenic	NM_213197	znf207a	6.274456742	3.894431419	2.380025322	0.002622
peak_20758	chr21	2270189	2270752	122065	Intergenic	NM_001014292	hmgcrb	6.698139089	4.31833234	2.379806749	6.00E-05
peak_29077	chr13	389571	390892	14712	exon (NM_213484, exon 18 of 23)	NM_213484	nvl	7.102970874	4.723438995	2.379531879	0.001548
peak_25994	chr23	15582949	15583360	-141942	Intergenic	NM_001003833	sulf2b	4.368129927	1.988676984	2.379452944	0.000549
peak_22985	chr1	21921038	21921600	121344	Intergenic	NM_001089491	rfc1	7.324524547	4.945449943	2.379074604	0.000168
peak_12433	chr22	10757094	10758276	607	intron (NM_001004550, intron 1 of 5)	NM_001004550	rassf1	8.787780586	6.408859873	2.378920713	2.06E-07
peak_13578	chr18	39750805	39751311	-85154	intron (NM_212831, intron 6 of 13)	NM_001128730	si:ch211-203b8.6	8.231613637	5.85279254	2.378821096	5.91E-07
peak_20393	chr17	20391018	20391407	-8747	Intergenic	NM_001089470	zgc:162183	6.502030931	4.123295064	2.378735868	5.07E-05
peak_10224	chr1	18833158	18833611	-21553	Intergenic	NM_207071	mettl14	7.892435017	5.513803035	2.378631982	2.00E-08
peak_21396	chr13	38991795	38992049	197437	Intergenic	NM_001008612	lmbrd1	5.470585103	3.09210877	2.378476333	8.14E-05
peak_32901	chr13	12910435	12910969	7707	intron (NM_001045208, intron 1 of 13)	NM_001045208	letm1	6.732756367	4.354578369	2.378177999	0.004285
peak_13502	chr12	31396886	31397207	61454	Intergenic	NM_131731	gfra1b	6.267322137	3.889331044	2.377991093	5.56E-07
peak_28532	chr9	8858636	8859011	92553	Intergenic	NM_212771	rab20	6.34853661	3.970647763	2.377888847	0.001301
peak_33519	chr5	32131721	32132065	23770	Intergenic	NM_201459	arcn1a	6.117013685	3.739410473	2.377603212	0.004943
peak_10269	chr15	9546238	9547109	-21727	Intergenic	NM_001013517	zgc:110155	8.878884117	6.501488895	2.377395222	2.12E-08
peak_24314	chr2	8298013	8298449	97785	Intergenic	NM_001128395	si:ch211-71m22.1	6.64561821	4.268573905	2.377044305	0.000294
peak_14433	chr18	31444443	31445028	121514	Intergenic	NM_001082899	v2rx1	7.916176205	5.539663581	2.376512625	1.20E-06
peak_19669	chr11	24085379	24085701	68166	Intergenic	NM_001003583	optc	6.115093328	3.738597386	2.376495942	3.42E-05
peak_21953	chr22	31884239	31884629	-70360	Intergenic	NM_205574	pvalb7	5.23284803	2.856882207	2.375965822	0.000107
peak_31033	chr6	15813351	15813773	-135426	Intergenic	NM_152964	gbx2	5.498602575	3.122682644	2.375919931	0.002645
peak_25485	chr8	55062674	55063123	9334	intron (NM_001080987, intron 5 of 5)	NM_001080987	cyr61	4.963761464	2.587908289	2.375853176	0.000462
peak_8025	chr12	48952784	48953215	-43686	Intergenic	NM_130934_1	hhex	8.571750727	6.196088544	2.375662183	9.93E-10
peak_13642	chr13	18817589	18818758	66078	intron (NM_001190757, intron 15 of 15)	NM_001145606	lzts2a	8.562568473	6.186990243	2.37557823	6.26E-07
peak_27557	chr9	6627806	6628655	8489	intron (NM_001003732, intron 1 of 5)	NM_001003732	fhl2a	8.457724142	6.08228204	2.375442101	0.000945
peak_7040	chr18	10853916	10854528	-410776	Intergenic	NM_001045135	si:ch211-59c24.1	8.716551011	6.341224573	2.375326438	1.84E-10
peak_29252	chr5	37592000	37592437	18877	Intergenic	NM_001004659	zgc:103697	3.277877455	0.902938058	2.374939397	0.001641
peak_9358	chr24	37031646	37032475	-3146	intron (NM_198913, intron 15 of 16)	NM_213515	ube2v2	7.271036202	4.896458233	2.374577969	6.90E-09
peak_23660	chr9	19429926	19430374	-17253	Intergenic	NM_001017832	gtf2f2b	6.354207018	3.979680803	2.374526215	0.000221
peak_22890	chr19	27313639	27313956	-4485	Intergenic	NM_001044909	neu1	6.031994474	3.657536038	2.374458436	0.00016
peak_31815	chr6	39170538	39170869	-21309	Intergenic	NM_001075108	os9	5.598898563	3.22455404	2.374344523	0.00328
peak_7430	chr8	3149081	3149759	-102570	Intergenic	NM_001040010	lhx2b	9.53068291	7.156791444	2.373891467	3.83E-10
peak_13285	chr5	73099070	73099689	60387	Intergenic	NM_001003629	rgs3a	7.406306948	5.032881976	2.373424972	4.58E-07
peak_25226	chr21	22502449	22502937	82796	intron (NM_199635, intron 3 of 4)	NM_199635	zbtb16a	6.59980555	4.226675433	2.373130117	0.000419
peak_11339	chr8	15986458	15987109	-164304	Intergenic	NM_001017814	spata6	7.767441412	5.394523071	2.372918341	6.93E-08
peak_25360	chr10	9447956	9448262	11241	intron (NM_200793, intron 2 of 5)	NM_200793	rbm18	5.78624054	3.413554884	2.372685656	0.000442
peak_13774	chr12	49884518	49885609	-13502	Intergenic	NM_001089541	cyp4f3	8.339565987	5.966983803	2.372582184	6.93E-07
peak_30277	chr9	34103589	34104210	11331	Intergenic	NM_001111242	zgc:172053	7.128557079	4.756761647	2.371795432	0.00218
peak_13196	chr3	46324915	46325600	92756	Intergenic	NM_001017690	snrnp25	8.82843518	6.456898693	2.371536486	4.22E-07
peak_20888	chr22	35265078	35265343	90368	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	6.150569853	3.779177215	2.371392639	6.35E-05
peak_20025	chr10	8841744	8842138	70726	Intergenic	NM_001002043	isl1l	6.512466076	4.141134108	2.371331968	4.19E-05
peak_23679	chr10	333495	333998	29808	intron (NM_131836, intron 4 of 5)	NM_199984	zgc:56039	7.118745621	4.747624188	2.371121433	0.000223
peak_26564	chr16	22060737	22061085	65090	Intergenic	NM_131028	ahr1a	5.934118021	3.563119818	2.370998202	0.000666
peak_28195	chr24	2135563	2136051	-90909	Intergenic	NM_212616	zgc:85789	6.378239627	4.00728713	2.370952497	0.001174
peak_8953	chr21	1426874	1427404	319437	Intergenic	NM_201138	txnl1	7.679561543	5.308686135	2.370875408	3.93E-09

peak_25017	chr18	47067983	47068334	-4001	intron (NM_001014312, intron 5 of 5)	NM_001045175	kcnj1a.6	6.235201783	3.864441028	2.370760755	0.00039
peak_22973	chr13	27835086	27835428	-157569	Intergenic	NM_001013529	asrgl1	6.156456076	3.785768526	2.370687549	0.000167
peak_10251	chr18	29382388	29382863	30416	Intergenic	NM_131844	maf	6.887975879	4.517724748	2.370251131	2.06E-08
peak_9437	chr9	53770041	53770524	171329	Intergenic	NM_001030165	Mar-04	7.59158882	5.221390553	2.370198267	7.71E-09
peak_19099	chr18	9439318	9440162	319050	Intergenic	NM_001100024	LOC566572	8.862353859	6.492473615	2.369880244	2.50E-05
peak_10234	chr14	40630825	40631606	-103655	Intergenic	NM_131782	glra4a	9.069149967	6.699296832	2.369853135	2.01E-08
peak_21844	chr25	17619878	17620474	18844	intron (NM_001202419, intron 1 of 20)	NM_001202419	kdm7ab	8.31852944	5.94872388	2.36980556	0.000101
peak_13803	chr2	45157851	45158604	15162	intron (NM_001253811, intron 11 of 11)	NM_001253811	chrng	8.076103478	5.706350137	2.369753342	7.09E-07
peak_31410	chr4	928225	929442	4270	intron (NM_212972, intron 2 of 5)	NM_212972	mtpn	7.396131678	5.026499878	2.3696318	0.002922
peak_16874	chr11	33136019	33136483	399250	Intergenic	NM_001160822	pcdh17	7.824951608	5.455323986	2.369627622	6.58E-06
peak_15119	chr15	6308739	6309266	-39708	Intergenic	NM_001005991	zgc:103530	8.344734712	5.97593983	2.368794882	1.97E-06
peak_15424	chr14	3040781	3041113	43948	intron (NM_001024201_1, intron 1 of 2)	NM_001024201_1	pcdh2g29	6.106485105	3.737960874	2.36852423	2.46E-06
peak_10417	chr6	58018181	58018627	36870	intron (NM_212908, intron 1 of 6)	NM_212908	tox2	6.718802692	4.350280561	2.368522131	2.49E-08
peak_31178	chr2	14541807	14542529	-15314	Intergenic	NM_001083863	LOC795615	6.208623771	3.84011619	2.368507581	0.002739
peak_17994	chr20	43172898	43173323	27882	Intergenic	NM_001039620	dusp23a	6.482710789	4.114602025	2.368108763	1.36E-05
peak_25149	chr13	27705592	27706033	-127889	Intergenic	NM_001114589	ddx43	6.66466041	4.296643097	2.368017313	0.000409
peak_13145	chr5	46162431	46163101	-47379	Intergenic	NM_001111220	gas1a	8.783839468	6.415863702	2.367975766	4.04E-07
peak_35272	chr19	22775271	22775696	55396	intron (NM_001045159, intron 9 of 9)	NM_199656	slc52a2	6.234617963	3.866750913	2.367867049	0.007291
peak_23449	chr24	36925488	36925787	42979	Intergenic	NM_001008581	snai2	5.31431431	2.946771173	2.367543137	0.000201
peak_8352	chr18	11939511	11940139	121460	intron (NM_001099985, intron 6 of 13)	NM_001099985	hipk2	8.829066592	6.461532407	2.367534185	1.70E-09
peak_26593	chr11	1674400	1675111	-19366	Intergenic	NM_212882_3		7.216079763	4.848784662	2.367295101	0.000673
peak_13268	chr14	6112184	6112766	-53050	Intergenic	NM_001013553	bscl2l	7.955324244	5.58809504	2.367229203	4.50E-07
peak_15306	chr8	32543981	32544425	20141	Intergenic	NM_001128229	si:dkey-46a10.3	7.913984749	5.546797986	2.367186762	2.29E-06
peak_24096	chr4	15312861	15313177	-70857	Intergenic	NM_001123290	si:dkeyp-38g8.5	7.023888265	4.6569637	2.366924564	0.000268
peak_26892	chr7	18922599	18922895	-32026	Intergenic	NM_001005579_1	nitr6b	5.759227137	3.392303467	2.36692367	0.000751
peak_22330	chr17	18646097	18646531	-18938	Intergenic	NM_213385	vrk1	6.380880242	4.013958575	2.366921667	0.000127
peak_25164	chr6	4138651	4139519	-270751	Intergenic	NM_200247	unc50	7.651785568	5.284997577	2.366787992	0.000412
peak_26897	chr4	60134454	60134837	-111482	Intergenic	NM_201580	nup50	3.725478726	1.358970226	2.3665085	0.000752
peak_10460	chr15	30406658	30407308	-41766	Intergenic	NM_001001817_1	zgc:92326	9.705159035	7.339618987	2.365540047	2.61E-08
peak_9885	chr13	48847557	48848266	-61591	Intergenic	NM_001098262	zmp:000000113	8.841081929	6.4762876	2.36479433	1.37E-08
peak_35026	chr10	46585707	46586333	-11408	Intergenic	NM_199778	elovl7b	4.85825509	2.493469792	2.364785298	0.006909
peak_21415	chr22	13619492	13619773	-315609	Intergenic	NM_131264	ahr2	6.025258877	3.661213589	2.364045289	8.19E-05
peak_7537	chr5	17216335	17217260	-49702	Intergenic	NM_001003493	suds3	9.867290248	7.503663334	2.363626914	4.69E-10
peak_19352	chr2	49316415	49316779	-29804	Intergenic	NM_001077752	zgc:123035	5.9516722	3.589194466	2.362477733	2.85E-05
peak_11233	chr23	1880837	1881161	155417	Intergenic	NM_001076663	rabggta	7.146075345	4.783787952	2.362287393	6.24E-08
peak_34159	chr17	38812318	38812880	71577	Intergenic	NM_131525	sptb	6.572956895	4.210944355	2.36201254	0.00571
peak_22671	chr11	30202468	30203006	-243722	Intergenic	NM_001278321	igsf21a	7.00394518	4.642474079	2.361471102	0.000146
peak_24217	chr22	22178032	22178358	-10961	intron (NM_001045036, intron 5 of 7)	NM_200423	aes	5.819391483	3.458215093	2.36117639	0.000283
peak_18594	chr24	34944723	34945093	20848	Intergenic	NM_001008579	murcb	6.256418235	3.895390225	2.361028009	1.88E-05
peak_16559	chr13	45394694	45395047	7142	exon (NM_001002198, exon 4 of 11)	NM_001002198	btbd9	6.852390876	4.491608602	2.360782274	5.45E-06
peak_20806	chr23	30504467	30504901	217256	Intergenic	NM_212848	uts2a	6.149331387	3.788732982	2.360598405	6.13E-05
peak_31437	chr24	8044130	8044436	26490	intron (NM_001013339, intron 4 of 6)	NM_213016	txndc5	5.746973874	3.386380701	2.360593173	0.00294
peak_17867	chr24	25072442	25072753	3091	Intergenic	NM_200955	bhlhe22	5.878642414	3.5181393	2.360503115	1.25E-05
peak_15936	chr19	3983625	3984068	-39915	Intergenic	NM_131519	edn1	6.66529776	4.305192209	2.36010555	3.60E-06
peak_14036	chr6	20762505	20762840	-267477	Intergenic	NM_205740	barhl2	6.759238977	4.399189251	2.360049727	8.71E-07
peak_23384	chr3	56577882	56578256	-39038	Intergenic	NM_131561	axin2	6.162336288	3.802464487	2.359871801	0.000197
peak_31891	chr11	894588	894965	-925	promoter-TSS (NM_001042731)	NM_001042731	hrh1	3.238682765	0.87932337	2.359359396	0.003343
peak_30408	chr18	17053571	17054475	4447	intron (NM_001039460, intron 1 of 8)	NM_001039460	zfpm1	8.094124195	5.735749369	2.358374825	0.002257
peak_25738	chr17	24744646	24745098	2490	Intergenic	NM_001128717	zgc:193593	7.203569884	4.845896212	2.357673673	0.000503
peak_8171	chr12	44762714	44764289	13187	intron (NM_001110011_1, intron 2 of 20)	NM_001110011_1	dock1	10.72380806	8.366463222	2.357344839	1.26E-09
peak_17104	chr14	28477720	28478138	573892	Intergenic	NM_200569	tsc22d3	6.219042795	3.862086098	2.356956697	7.54E-06
peak_30331	chr15	43303474	43303875	43638	Intergenic	NM_001033729	aasdhppt	6.182775708	3.826037057	2.356738651	0.002216
peak_23611	chr4	10748891	10749281	-11423	Intergenic	NM_212694	mkln1	6.885188685	4.529206847	2.355981838	0.000216
peak_18082	chr5	12910678	12911086	-13705	Intergenic	NM_001128707	nf2a	7.875082646	5.51925925	2.355823396	1.43E-05
peak_20930	chr21	23065505	23065880	-41055	Intergenic	NM_131202	ncam1a	6.759215296	4.403413389	2.355801908	6.48E-05
peak_41174	chr21	28675783	28676671	-75400	Intergenic	NM_001007382	ttc1	7.42129332	5.065568412	2.355724907	0.021915
peak_29839	chr17	49505708	49505984	-10228	Intergenic	NM_212727	orc3	4.169361555	1.813729373	2.355632182	0.001935
peak_22937	chr13	43044109	43044442	9353	intron (NM_001082827, intron 1 of 5)	NM_001082827	Mar-05	5.444509808	3.088973509	2.355536299	0.000164
peak_25065	chr16	38799469	38800053	-404964	Intergenic	NM_001200061	LOC100005807	7.682466667	5.327255051	2.355211616	0.000397
peak_28409	chr8	37072228	37072704	303027	Intergenic	NM_200957	slc15a4	7.633698408	5.278657125	2.355041282	0.001253
peak_25666	chr6	6279303	6280307	-67531	Intergenic	NM_001089324	mtif2	5.493759878	3.139023863	2.354736015	0.00049
peak_15207	chr16	12192053	12192327	-34977	Intergenic	NM_001195242	g6fl	5.902793529	3.548133946	2.354659583	2.10E-06
peak_16362	chr22	18873812	18874534	96422	Intergenic	NM_207052	midn	8.818217297	6.463988633	2.354228664	4.79E-06
peak_28920	chr3	45471121	45471445	68072	Intergenic	NM_131833	ube2ia	3.718814869	1.364650599	2.35416427	0.001477
peak_8943	chr23	2333063	2334224	-101687	Intergenic	NM_131230	tcp1	8.599335593	6.245679334	2.353656259	3.89E-09
peak_22372	chr16	32890218	32890570	-2738	Intergenic	NM_173280	mc5rb	6.323983789	3.970384941	2.353598848	0.000129
peak_20463	chr5	68073657	68074016	14928	intron (NM_131153, intron 3 of 8)	NM_131153	rxrab	6.725051012	4.371759596	2.353291416	5.21E-05
peak_7525	chr6	52641300	52642361	-13663	Intergenic	NM_001048149	sdc4	10.39248303	8.039254848	2.353228186	4.55E-10
peak_11024	chr20	16124418	16124864	72242	intron (NM_200474, intron 1 of 17)	NM_200474	ralgps2	7.636372251	5.283307231	2.35306502	5.05E-08
peak_10345	chr19	2181399	2181867	56252	intron (NM_198819, intron 27 of 28)	NM_001045844	btd	8.302708985	5.950062621	2.352646364	2.28E-08
peak_24088	chr2	2852206	2852988	-36046	Intergenic	NM_207059	aqp1a.1	7.533315386	5.180689101	2.352626286	0.000266
peak_12872	chr9	40806456	40806787	-222939	Intergenic	NM_001161762_1	si:zfos-1425h8.1	6.470818537	4.118235371	2.352583165	3.08E-07
peak_9510	chr9	15223400	15223864	-442566	Intergenic	NM_212966	nrp2b	7.947659904	5.595111448	2.352548456	8.45E-09
peak_34250	chr1	43784627	43784834	282342	Intergenic	NM_001002577	suclg1	2.906787328	0.554393687	2.352393642	0.005837
peak_22586	chr11	46284703	46285336	-5921	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	6.694110408	4.342220273	2.351890135	0.000141
peak_16575	chr20	312728	312962	-7210	Intergenic	NM_001166231	wisp3	5.727139892	3.376110255	2.351029637	5.50E-06
peak_38201	chr6	49243642	49244120	-87491	Intergenic	NM_199210	ngf	2.570823028	0.219835396	2.350987632	0.013279
peak_38200	chr20	17016382	17016891	-69575	Intergenic	NM_001002589	zgc:92716	2.570823028	0.219835396	2.350987632	0.013279
peak_15363	chr9	51869483	51869735	84130	intron (NM_001020575, intron 1 of 1)	NM_001020575	fign	6.070220952	3.71935575	2.350865202	2.35E-06
peak_19168	chr15	30409720	30410126	-44706	Intergenic	NM_001001817_1	zgc:92326	7.034857388	4.68466973	2.350187658	2.59E-05
peak_14940	chr19	26182545	26183508	-3597	Intergenic	NM_001003475	bloc1s4	7.643549834	5.293558132	2.349991703	1.72E-06
peak_25028	chr19	18811926	18812389	-11027	Intergenic	NM_001044928	ptpn23b	6.8017178	4.451802596	2.349915204	0.000392
peak_28811	chr5	65644699	65644968	-26933	Intergenic	NM_001100016	si:ch211-253h3.1	5.886118348	3.536389705	2.349728643	0.001424
peak_24766	chr3	6429814	6430208	-97396	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	6.652010583	4.302294115	2.349716468	0.000355
peak_29904	chr21	2336293	2336823	55977	Intergenic	NM_001014292	hmgcrb	5.880136348	3.530470375	2.349665973	0.00197
peak_30834	chr25	1155286	1155807	6732	intron (NM_001194994, intron 6 of 24)	NM_001194994	spg11	6.877916678	4.528312331	2.349604347	0.002515
peak_28654	chr5	75024099	75024508	85057	Intergenic	NM_001114475	fam78ab	3.679788522	1.330227956	2.349560566	0.001351
peak_11796	chr16	12189236	12190079	-32444	Intergenic	NM_001195242	g6fl	9.2574942	6.908261515	2.349232685	1.09E-07
peak_8083	chr18	36714097	36714662	-6494	Intergenic	NM_213068	caprin1b	7.818709971	5.469559665	2.349150306	1.10E-09
peak_28947	chr3	58184150	58184434	55555	Intergenic	NM_199950	socs3a	5.848367416	3.49952592	2.348841496	0.001487
peak_25880	chr12	37042982	37043403	6950	Intergenic	NM_213304	socs3b	6.653540109	4.304741774	2.348798335	0.000528
peak_14194	chr13	40241804	40242387	148940	Intergenic	NM_001128272	zgc:171482	6.413561705	4.064916413	2.348645292	9.80E-07
peak_27417	chr13	732871	733351	-4702	Intergenic	NM_001082933	zgc:163080	5.194866279	2.84627537	2.348590909	0.000898
peak_27279	chr3	5820835	5821389	54072	Intergenic	NM_205641	txn2	6.274456742	3.926130167	2.348326575	0.000855
peak_13372	chr18	5201292	5202329	35794	Intergenic	NM_001013457	gcsha	9.407053876	7.059088605	2.347965271	4.99E-07
peak_19416	chr16	15041637	15041930	-134172	Intergenic	NM_001007444	zgc:101640	5.556906595	3.209038323	2.347868272	2.95E-05
peak_8221	chr19	9112245	9113841	8705	intron (NM_200597, intron 1 of 4)	NM_200597	efna1a	9.355032884	7.007404684	2.3476282	1.38E-09
peak_28084	chr16	14298291	14298749	26205	intron (NM_001289880, intron 8 of 14)	NM_001289880	rasip1	6.53378312	4.186289608	2.347493512	0.001135
peak_12540	chr1	57644187	57644641	25174	intron (NM_001113805, intron 8 of 9)	NM_001033742	b3gntl1	7.766230048	5.41880586	2.347424188	2.27E-07
peak_16151	chr13	22604010	22604353	-16561	exon (NM_001128761, exon 11 of 11)	NM_201505	ldb3a	6.122388691	3.775002268	2.347386423	4.15E-06
peak_36840	chr21	25980138	25980462	-34054	Intergenic	NM_212955	esrra	2.567117871	0.219835396	2.347282475	0.010208
peak_36841	chr7	67149548	67149830	-138693	Intergenic	NM_001083583	ctr9	2.567117871	0.219835396	2.347282475	0.010208
peak_20457	chr21	18706467	18706920	37082	Intergenic	NM_001020614	eri1	7.076913192	4.72964728	2.347265912	5.19E-05
peak_30157	chr9	437541	438190	4295	exon (NM_001080074_1, exon 10 of 11)	NM_001080074_1	zgc:158316	6.298167948	3.951088449	2.347079499	0.002113
peak_9581	chr11	43343613	43344072	178696	Intergenic	NM_001077254	slmapa	8.525492758	6.178437101	2.347055657	9.37E-09

peak_14490	chr25	11210362	11210879	32392	Intergenic	NM_001089325	anpepb	8.059339167	5.712302703	2.347036465	1.25E-06
peak_11617	chr1	4641902	4642369	-20470	Intergenic	NM_212965	nrp2a	8.000681879	5.653663397	2.347018482	9.20E-08
peak_6569	chr15	1410594	1411694	18097	intron (NM_001017906, intron 3 of 7)	NM_001017906	schip1	9.791217671	7.444257735	2.346959935	7.61E-11
peak_34609	chr19	16113124	16113524	529418	Intergenic	NM_001040375	stmn1a	6.078722379	3.731811189	2.34691119	0.006331
peak_19716	chr23	10450973	10451221	-2987	Intergenic	NM_178437	krt18	5.751061931	3.404366466	2.346695465	3.50E-05
peak_20574	chr2	57869148	57869558	-15689	Intergenic	NM_131094	tcf3a	6.31208625	3.965444373	2.346641877	5.53E-05
peak_26396	chr24	29447366	29447772	-35994	Intergenic	NM_001002206	abca4a	6.209235538	3.862620443	2.346615095	0.000631
peak_16977	chr3	34628188	34628845	18082	intron (NM_198911, intron 1 of 10)	NM_198911	sept9a	7.70143582	5.355388716	2.346047105	6.94E-06
peak_25744	chr11	36438579	36439318	165098	Intergenic	NM_212679	bhlhe40	7.083936507	4.737983139	2.345953368	0.000504
peak_11905	chr18	716991	717951	8068	intron (NM_199333, intron 1 of 11)	NM_199333	pkma	9.236377221	6.89080294	2.34557428	1.23E-07
peak_23879	chr24	5993040	5993758	16886	Intergenic	NM_001003609	mastl	7.111908679	4.766681281	2.345227398	0.000245
peak_28356	chr12	25311611	25312331	76999	exon (NM_001035261, exon 11 of 38)	NM_001035261	svila	6.793230324	4.448161312	2.345069012	0.001232
peak_14521	chr6	9215878	9216368	778	intron (NM_001024448, intron 1 of 40)	NM_001024448	myh11a	7.076913192	4.732036723	2.344876469	1.27E-06
peak_30068	chr2	6829208	6829620	7106	intron (NM_001076561, intron 4 of 4)	NM_001076561	extl2	3.798584256	1.453857079	2.344727177	0.002061
peak_10099	chr4	634425	636075	-28846	Intergenic	NM_001114983	sobpb	8.977165535	6.632534692	2.344630843	1.74E-08
peak_28286	chr13	40763696	40764142	-4348	Intergenic	NM_131423	nkx2.3	7.269184522	4.924981304	2.344203219	0.001204
peak_25736	chr7	31651959	31652237	-34659	Intergenic	NM_001160335	serf2	5.115093328	2.771224477	2.343868852	0.000502
peak_30317	chr6	10953471	10953910	31154	Intergenic	NM_213124	sumo3a	6.601151751	4.257506487	2.343645264	0.002205
peak_26269	chr20	40536217	40536606	-17472	Intergenic	NM_131867	hsf2	6.338215854	3.994654763	2.343561091	0.000603
peak_8168	chr17	52368459	52369417	-23982	intron (NM_001040406, intron 3 of 10)	NM_001114406	exd2	9.095366067	6.751971109	2.343394958	1.26E-09
peak_32179	chr6	21905047	21905360	196172	Intergenic	NM_001005933	acox1	4.969386766	2.626159006	2.34322776	0.003569
peak_31515	chr11	6659457	6659723	120777	Intergenic	NM_213031	gadd45ba	5.513202404	3.170169392	2.343033012	0.00301
peak_10764	chr25	6843611	6844300	39763	Intergenic	NM_001122855	snx33	8.562978861	6.220002052	2.342976809	3.72E-08
peak_25472	chr15	319913	320408	113260	Intergenic	NM_001042691	limk1a	6.411755199	4.068999218	2.342755981	0.00046
peak_19846	chr7	33766505	33766908	-176167	Intergenic	NM_205624	fshb	5.929075087	3.586988554	2.342086533	3.76E-05
peak_27860	chr4	25279400	25279823	-84425	Intergenic	NM_001014325	si:ch211-244b2.4	3.678071896	1.336022403	2.342049494	0.001051
peak_7518	chr15	39509873	39510718	-43068	Intergenic	NM_131395	mtnr1ba	8.731506462	6.389532399	2.341974063	4.53E-10
peak_12101	chr13	26228033	26228528	151183	Intergenic	NM_001040391	bcl11aa	8.023291909	5.681539534	2.341752375	1.47E-07
peak_10986	chr25	6793117	6793616	7583	intron (NM_199694, intron 5 of 8)	NM_199694	snupn	8.954388646	6.612712361	2.341676285	4.81E-08
peak_34774	chr25	5496098	5496459	8940	Intergenic	NM_001258409_1	cmasb	4.83451899	2.493469792	2.341049198	0.006523
peak_8493	chr3	16426434	16427332	-35083	Intergenic	NM_001077729	zgc:153952	9.062361218	6.721490666	2.340870552	2.09E-09
peak_11598	chr17	47170637	47171143	799922	Intergenic	NM_001006009	zgc:103755	7.304162301	4.963443916	2.340718385	9.04E-08
peak_20120	chr23	32725631	32726226	94807	Intergenic	NM_200286	taf8	7.449172352	5.108617101	2.340555251	4.41E-05
peak_22661	chr5	30908997	30909407	-75649	Intergenic	NM_001099979	man1b1	6.415380979	4.074885061	2.340495918	0.000146
peak_12248	chr8	466322	468367	-7947	intron (NM_001030255, intron 3 of 8)	NM_213528	trim36	9.261810949	6.921337216	2.340473733	1.70E-07
peak_33808	chr15	17679886	17680491	-61245	Intergenic	NM_001113552	cadm1b	3.049361258	0.709096771	2.340264486	0.005264
peak_35302	chr13	15471513	15472579	-62744	Intergenic	NM_199885	mark3	2.559678887	0.219835396	2.339843491	0.007321
peak_7877	chr13	14873079	14873884	8070	Intergenic	NM_198144	emx1	8.894104994	6.554284503	2.339820491	7.78E-10
peak_12608	chr16	55037322	55037668	-3422	Intergenic	NM_001082926	si:ch211-107n13.	7.116212306	4.776496855	2.339715452	2.41E-07
peak_21850	chr4	12514103	12514514	-2653	Intergenic	NM_001044833	dyrk2	6.815676587	4.475997871	2.339678716	0.000102
peak_25643	chr5	65651940	65652385	-19604	Intergenic	NM_001100016	si:ch211-253h3.1	6.623005254	4.283510991	2.339494263	0.000486
peak_11041	chr17	37619879	37620737	21843	intron (NM_213497, intron 2 of 7)	NM_213497	crip2	9.014036236	6.674769604	2.339266632	5.12E-08
peak_15323	chr5	24057975	24059309	-40809	Intergenic	NR_029943		9.092625554	6.753548093	2.339077461	2.31E-06
peak_27048	chr20	22832057	22832466	46094	intron (NM_001013564, intron 4 of 5)	NM_001013564	scfd2	6.124892814	3.786141139	2.338751675	0.00079
peak_16619	chr1	59788928	59790437	25444	Intergenic	NM_200224	trip10b	9.384777859	7.046536876	2.338240983	5.65E-06
peak_37557	chr14	11780554	11781324	-74965	Intergenic	NM_001105590	zgc:174917	5.154006189	2.81595363	2.338052559	0.011763
peak_31504	chr25	36924335	36924919	-51968	Intergenic	NM_200425	lsm14aa	6.115074824	3.777288533	2.337786291	0.002996
peak_26438	chr12	25886528	25886966	32031	intron (NM_001080021, intron 4 of 21)	NM_001080021	nrxn1a	6.477538878	4.140214295	2.337324583	0.000639
peak_17835	chr19	43537781	43538786	-11366	Intergenic	NM_001104526	trioa	9.07708553	6.740144089	2.336941441	1.23E-05
peak_13023	chr20	40713831	40714626	37956	Intergenic	NM_131038	cx43	8.059518424	5.722621928	2.336896496	3.63E-07
peak_7168	chr25	16423691	16424750	-9624	Intergenic	NM_001045360	cyb5r2	10.13037216	7.794116219	2.336255938	2.36E-10
peak_27823	chr5	58271348	58271822	62346	Intergenic	NM_001007340	ppm1db	6.564619247	4.22837656	2.336242687	0.001039
peak_34852	chr6	36409244	36409594	-78134	Intergenic	NM_131079	her6	2.555944961	0.219835396	2.336109565	0.006638
peak_34851	chr3	7629594	7630088	-207949	Intergenic	NM_001105127	zgc:173577	2.555944961	0.219835396	2.336109565	0.006638
peak_34853	chr9	42409038	42409310	65433	Intergenic	NM_001123273	LOC564685	2.555944961	0.219835396	2.336109565	0.006638
peak_10728	chr24	4335842	4336280	-109469	Intergenic	NM_201461	klf6a	7.701007081	5.365334147	2.335672934	3.56E-08
peak_21572	chr13	49432930	49433266	-30501	Intergenic	NM_182860	msh6	5.714191115	3.378749752	2.335441363	8.88E-05
peak_16561	chr15	22620908	22621285	59448	Intergenic	NM_001007330	cbl	5.89835559	3.563165955	2.335189636	5.46E-06
peak_21646	chr6	57986272	57986708	68784	intron (NM_212908, intron 1 of 6)	NM_212908	tox2	6.951473846	4.616285596	2.33518825	9.20E-05
peak_25229	chr8	31804091	31804939	-12026	intron (NM_001123317, intron 8 of 15)	NM_001007296	smarcb1a	7.509317908	5.174132187	2.335185721	0.00042
peak_18279	chr24	9033400	9033725	61086	Intergenic	NM_199567	tgif1	6.301254202	3.966107448	2.335146754	1.60E-05
peak_17863	chr17	40218786	40219276	265698	Intergenic	NR_048925_2		6.591166066	4.2562384	2.334927667	1.25E-05
peak_9665	chr17	33659277	33660145	20387	Intergenic	NM_001037117	zgc:123218	9.039802339	6.705064016	2.334738323	1.04E-08
peak_24911	chr24	37234534	37234995	29214	exon (NM_001080581, exon 10 of 22)	NM_001080581	dtna	6.471576424	4.136858066	2.334718359	0.000375
peak_19142	chr18	15782127	15783181	-148	promoter-TSS (NM_001037580)	NM_001037580	sspn	8.802757796	6.4683469	2.334410896	2.56E-05
peak_8704	chr14	52471267	52471887	62722	intron (NM_001077724, intron 11 of 12)	NM_001077724	zgc:154054	7.931863636	5.597455031	2.334408605	2.75E-09
peak_19567	chr2	30684847	30685100	53953	Intergenic	NM_001161340	myom1a	5.864727683	3.530670541	2.334057142	3.22E-05
peak_31721	chr6	59677394	59677691	928	intron (NM_001127473_2, intron 1 of 1)	NM_001127473_2	slain1b	3.698537809	1.364650599	2.33388721	0.003194
peak_19109	chr3	22965120	22965639	155399	Intergenic	NM_001128744	cyb561	8.233965143	5.900127577	2.333837565	2.52E-05
peak_13341	chr5	29498263	29498501	13824	Intergenic	NM_001013472	zgc:110340	6.081322328	3.74761834	2.333703987	4.85E-07
peak_23377	chr17	36018036	36018540	40447	Intergenic	NM_131336	sox11a	7.791620426	5.458289512	2.333330914	0.000196
peak_29372	chr1	21730373	21730698	104695	Intergenic	NM_212731	gtf2e2	5.782227791	3.448936833	2.333290958	0.001694
peak_13854	chr11	35732026	35732527	23486	intron (NM_001001818, intron 1 of 8)	NM_001001818	gnai2a	7.080510347	4.747743591	2.332766756	7.44E-07
peak_28414	chr7	34674834	34675341	9425	Intergenic	NM_199986	anp32a	6.74266891	4.410130439	2.332538471	0.001254
peak_20432	chr3	55816387	55816647	28072	intron (NM_001002228, intron 1 of 17)	NM_001002228	rhbdf1	5.684498737	3.352126984	2.332371753	5.15E-05
peak_34538	chr6	32284037	32284462	116713	Intergenic	NM_001082940	mafa	2.552201346	0.219835396	2.33236595	0.006241
peak_12633	chr18	9421752	9422181	336824	Intergenic	NM_001100024	LOC566572	7.453583675	5.121281539	2.332302136	2.46E-07
peak_13154	chr22	19273625	19273999	-63263	Intergenic	NM_001040095	fgf22	6.557373553	4.225239287	2.332134266	4.08E-07
peak_17803	chr8	24462211	24462963	2784	intron (NM_001002648, intron 1 of 15)	NM_001002648	slc38a5b	8.320185338	5.988304336	2.331881002	1.21E-05
peak_26006	chr17	8020551	8021134	-31683	Intergenic	NM_001017841	slc18b1	6.396146907	4.06497321	2.331173697	0.000551
peak_9942	chr3	28726480	28727878	89231	Intergenic	NM_001201336	fbxl16	8.707357329	6.376219223	2.331138105	1.47E-08
peak_11606	chr3	37646917	37647381	2810	intron (NM_199688, intron 2 of 5)	NM_199688	gosr2	7.407602421	5.076547817	2.331054604	9.10E-08
peak_10149	chr16	42325126	42326534	-88481	intron (NM_001076716, intron 10 of 13)	NM_182855	tgfbr2	9.040723481	6.709852331	2.33087115	1.84E-08
peak_21115	chr24	39301276	39301552	-1418	Intergenic	NM_001077741	telo2	5.5810438	3.250744234	2.330299566	7.09E-05
peak_10856	chr23	38554112	38554573	301402	Intergenic	NM_001020707	zgc:112994	7.609976619	5.27969742	2.3302792	4.14E-08
peak_22517	chr18	47522399	47522701	-15471	Intergenic	NM_001171776	bmp16	5.682359636	3.352129745	2.330229891	0.000136
peak_16611	chr9	48782350	48782991	99248	Intergenic	NM_001003480	zgc:92380	7.174715309	4.844574233	2.330141076	5.63E-06
peak_10036	chr6	8817909	8818667	-129590	Intergenic	NM_001098189	vps16	8.581216022	6.251110266	2.330105756	1.62E-08
peak_33792	chr6	43305501	43305872	-52283	Intergenic	NM_130923	mitfa	5.774593768	3.444712694	2.329881073	0.005249
peak_24309	chr4	10690342	10691084	-17906	Intergenic	NR_030037		7.314176164	4.985446575	2.328729589	0.000294
peak_32771	chr20	7825966	7826296	64064	Intergenic	NM_001244756	bloc1s2	2.803316476	0.474639816	2.328676659	0.004153
peak_34406	chr17	34645002	34645459	233755	Intergenic	NM_199569	eif2s1a	2.548447992	0.219835396	2.328612596	0.006064
peak_22333	chr17	1399697	1400022	19866	intron (NM_213152, intron 4 of 10)	NM_213152	spint1a	6.087155137	3.758611291	2.328543846	0.000127
peak_23251	chr13	38278985	38279471	-228090	Intergenic	NM_001256713	si:dkey-188i13.1:	6.618300328	4.289814491	2.328485837	0.000187
peak_33673	chr21	34499728	34500325	206835	Intergenic	NM_200048	rars	6.754132272	4.425798125	2.328334147	0.00512
peak_25845	chr7	37653344	37653729	-141226	Intergenic	NM_200105	aktip	6.835311813	4.507499692	2.327812121	0.000521
peak_34817	chr12	29299139	29299506	192064	Intergenic	NM_131425	etv4	6.084565688	3.756900447	2.327665241	0.006576
peak_22810	chr13	51992783	51993199	-6221	Intergenic	NM_144764	gpib	6.403193058	4.075767656	2.327425402	0.000155
peak_28745	chr16	50067292	50067598	175229	Intergenic	NM_200123	rab11al	5.242786959	2.915469303	2.327317655	0.001391
peak_29969	chr2	35344238	35344548	19906	Intergenic	NM_201308	plk3	3.895012766	1.567723154	2.327289612	0.002011
peak_32460	chr21	24300288	24300517	-31739	intron (NM_001082863, intron 1 of 8)	NM_001109726	zgc:171740	5.5750338	3.247943866	2.327089934	0.003852
peak_16304	chr25	674080	674393	19762	intron (NM_001098393, intron 1 of 7)	NM_001098393	zgc:162740	6.226108781	3.899317793	2.326790988	4.61E-06
peak_28871	chr19	370665	371218	-5146	Intergenic	NM_001082944	vps72	7.370789094	5.044149415	2.326639679	0.001453
peak_18245	chr9	3077415	3077701	-91051	Intergenic	NM_001076667	dync1i2a	6.157072391	3.830665739	2.326406652	1.56E-05
peak_27376	chr17	29246019	29246624	61953	Intergenic	NM_001003513	traf3	6.742451612	4.41607163	2.326379982	0.000884

peak_20564	chr13	20945918	20946200	-266603	Intergenic	NM_001144786	si:ch1073-126c3.	5.511729373	3.185705237	2.326024135	5.50E-05
peak_18774	chr19	49017942	49018371	-155473	Intergenic	NM_131813	angpt1	7.042402086	4.716385072	2.326017014	2.08E-05
peak_5829	chr2	59503002	59506755	-9438	intron (NM_212882_1, intron 4 of 9)	NM_001017797	cirbpa	11.48511476	9.159167825	2.325946932	1.60E-11
peak_8274	chr23	41642107	41642910	213532	intron (NM_001260501, intron 5 of 18)	NM_001260501	scube3	8.598154597	6.272234226	2.325920371	1.53E-09
peak_9220	chr1	17660005	17660688	-47299	Intergenic	NM_001145577	limch1a	9.200117666	6.874498207	2.325619459	5.68E-09
peak_25594	chr13	50860668	50860940	44781	Intergenic	NM_001020687_1	b3galnt2	5.684498737	3.358980091	2.325518646	0.000479
peak_29755	chr20	23272152	23272536	-30411	Intergenic	NM_001159667	fryl	7.40695483	5.081519406	2.325435423	0.001891
peak_22132	chr6	42967994	42968344	-8489	Intergenic	NM_001077388	glyctk	6.057364506	3.732033709	2.325330797	0.000115
peak_14753	chr7	75216646	75217013	-6180	Intergenic	NM_131760	tyms	5.963368041	3.638240382	2.325127659	1.51E-06
peak_27132	chr2	47521169	47521398	1340	intron (NM_001145932, intron 1 of 14)	NM_001145932	acsl3b	3.391425188	1.066338332	2.325086856	0.000813
peak_29184	chr4	6537185	6537599	14386	intron (NM_001114883, intron 2 of 12)	NM_001114883	cald1b	6.942921809	4.617845193	2.325076616	0.0016
peak_34419	chr4	31490475	31490820	161194	intron (NM_001114900_1, intron 4 of 10)	NM_001114894	zgc:174653	2.544684847	0.219835396	2.324849452	0.006081
peak_21674	chr18	2413292	2413568	39556	Intergenic	NM_200034	serp1	6.127429292	3.802643033	2.324786259	9.29E-05
peak_21620	chr22	38992733	38993217	421510	Intergenic	NM_001017600	polr2h	5.667703796	3.343157475	2.324546321	9.08E-05
peak_32543	chr8	11101462	11101852	-186997	Intergenic	NM_001077391	zgc:153997	2.809602052	0.48510786	2.324494193	0.003933
peak_34801	chr2	13412275	13413130	111696	Intergenic	NM_001017787_1	leprot	5.927567788	3.603238495	2.324329293	0.006554
peak_26930	chr12	29000658	29000976	-32431	Intergenic	NM_001002450	meox1	5.978830007	3.654527681	2.324302326	0.000761
peak_31203	chr2	10756841	10757073	51613	intron (NM_001130643, intron 4 of 17)	NM_001082855	mrpl37	3.033337828	0.709096771	2.324241056	0.002762
peak_30383	chr20	13999238	13999950	29397	Intergenic	NM_001044869	si:ch211-223m11	7.968302962	5.644303989	2.323998974	0.002238
peak_37604	chr11	207500	207882	-17075	exon (NM_001114412, exon 29 of 30)	NM_001077777_1	cdk4	5.139697052	2.81595363	2.323743423	0.011863
peak_12763	chr3	58497421	58498096	-17352	Intergenic	NM_213296	timp2b	8.000242587	5.676698798	2.323543789	2.80E-07
peak_9923	chr16	4838474	4838973	196458	Intergenic	NM_131408	vegfaa	7.558307017	5.235438161	2.322868856	1.45E-08
peak_20111	chr2	29533212	29533872	104644	Intergenic	NM_001005929	paxip1	7.743387297	5.420782056	2.322605241	4.39E-05
peak_7149	chr5	42946748	42948048	5803	intron (NM_001100039, intron 2 of 7)	NM_001100039	arid3a	9.221506017	6.898937992	2.322568025	2.27E-10
peak_27652	chr16	20368784	20369060	-124372	Intergenic	NM_131238	rxrbb	4.613817609	2.2915092	2.322308409	0.000976
peak_20339	chr3	33221298	33221862	29104	intron (NM_131399, intron 1 of 7)	NM_131399	rarab	7.272743338	4.95052467	2.322218668	4.93E-05
peak_25048	chr6	27140089	27140636	-82488	Intergenic	NM_001083826	ryk	6.843972312	4.521861966	2.322110346	0.000394
peak_18933	chr19	45496529	45497288	-5233	Intergenic	NM_001100405_1	nkd3	7.514264096	5.192518763	2.321745333	2.28E-05
peak_20273	chr25	23903551	23904562	-128221	Intergenic	NM_200880	dusp8a	7.665526994	5.343790379	2.321736614	4.76E-05
peak_24342	chr6	6112108	6112528	53356	Intergenic	NM_001201446	rtn4a	6.660741649	4.339019174	2.321722475	0.000298
peak_13284	chr5	30187885	30188269	3735	intron (NM_001089574, intron 2 of 9)	NM_001089574	zgc:162952	6.115410482	3.79369385	2.321716632	4.58E-07
peak_23318	chr11	25664320	25664614	1562	intron (NM_001080005, intron 1 of 9)	NM_001080005	zgc:153953	5.888718223	3.567272765	2.321445458	0.000192
peak_29088	chr2	1015978	1016254	47455	Intergenic	NM_001122710	irf4a	3.535233816	1.214007405	2.321226412	0.001553
peak_36893	chr24	4817099	4817893	27908	Intergenic	NM_001110021	cpb1	6.600472199	4.279308602	2.321163596	0.010338
peak_22042	chr20	4285068	4285498	28289	Intergenic	NM_001076758	zgc:154018	6.322061484	4.001036676	2.321024808	0.000111
peak_11890	chr12	47886021	47886777	-33225	Intergenic	NM_198802	adkb	8.444884733	6.124174921	2.320709812	1.20E-07
peak_21964	chr10	11213849	11214113	-17218	Intergenic	NM_199599	hsdl2	5.162011373	2.841464809	2.320546564	0.000107
peak_40959	chr11	13815531	13815939	-11873	Intergenic	NM_001127332	sid1	5.622322901	3.302015329	2.320307572	0.021145
peak_11122	chr15	28093667	28094240	-67415	Intergenic	NM_200018	blmh	7.794599964	5.47517132	2.319428643	5.60E-08
peak_9692	chr17	35225806	35226493	-38005	Intergenic	NM_001045207	asap2a	7.783848198	5.464612625	2.319235573	1.07E-08
peak_25950	chr24	5134456	5134762	76674	Intergenic	NM_001076612	zic4	6.327547004	4.008515379	2.319031626	0.000541
peak_27488	chr18	12072346	12073057	-11416	Intergenic	NM_001099985	hipk2	7.330273993	5.011471165	2.318802828	0.000922
peak_20147	chr16	52038811	52039203	-8621	Intergenic	NM_001110524	brd2b	7.008572726	4.689887534	2.318685192	4.46E-05
peak_24809	chr23	29700537	29700985	47594	intron (NM_194382, intron 12 of 46)	NM_194382	kif1b	6.136869667	3.818251245	2.318618423	0.000361
peak_29498	chr20	22944876	22945139	68729	intron (NM_001013564, intron 5 of 5)	NM_200140	rasl11b	5.954886428	3.636316515	2.318569913	0.001758
peak_23757	chr19	16243960	16244365	398580	Intergenic	NM_001040375	stmn1a	6.290571935	3.972223104	2.318348831	0.000232
peak_27975	chr1	50115390	50115700	4835	TTS (NR_023330)	NR_023330		5.988944759	3.670695709	2.31824905	0.001096
peak_40797	chr25	34398808	34399203	144618	Intergenic	NM_001089422	zgc:162595	4.395670429	2.077505579	2.31816485	0.020569
peak_21686	chr24	19572471	19572735	-187084	Intergenic	NM_001089499	zgc:162928	5.971820519	3.653763844	2.318056675	9.34E-05
peak_24980	chr5	27776812	27777384	767	exon (NM_001098191, exon 2 of 5)	NM_001098191	si:ch211-214j8.1	6.893925528	4.575915164	2.318010365	0.000385
peak_24507	chr7	34824364	34824791	32853	Intergenic	NM_001003573	paqr5b	6.403437654	4.085999734	2.31743792	0.000318
peak_34908	chr22	40999545	40999871	3626	intron (NM_001002421, intron 3 of 4)	NM_001002421	commd2	2.537128982	0.219835396	2.317293586	0.006735
peak_34909	chr4	36802984	36804160	-1239711	Intergenic	NM_001135989_1	zgc:174690	2.537128982	0.219835396	2.317293586	0.006735
peak_22492	chr9	42967256	42967567	-20091	Intergenic	NM_001039630	col18a1	5.72170979	3.404618574	2.317091217	0.000135
peak_13728	chr25	36074927	36075221	30950	Intergenic	NM_001013463	zgc:114046	6.495953894	4.178915232	2.317038662	6.67E-07
peak_27643	chr8	34981702	34982119	-75478	Intergenic	NM_131616	pbx3b	6.789236996	4.472665285	2.316571711	0.000973
peak_15072	chr13	52086720	52087244	4798	intron (NM_001123278, intron 1 of 7)	NM_001123278	wtip	6.855231018	4.539054756	2.316176262	1.91E-06
peak_30508	chr8	42643413	42643728	14833	Intergenic	NM_131329	myl7	6.405788433	4.08961501	2.316173423	0.002315
peak_18149	chr10	26287352	26287805	46281	Intergenic	NM_131294	sod1	7.191561112	4.87548425	2.316076863	1.48E-05
peak_11968	chr4	9899275	9899821	-8449	Intergenic	NM_001045067	si:dkey-207j16.2	7.343242173	5.027309916	2.315932257	1.31E-07
peak_31197	chr25	13935030	13935300	4952	intron (NM_200833, intron 1 of 5)	NM_200833	snrkb	5.460105758	3.144309129	2.315796629	0.002756
peak_15067	chr20	48744328	48744950	-13102	Intergenic	NM_001020753	prep	7.469089604	5.153428348	2.315661255	1.90E-06
peak_25129	chr20	26636582	26636904	16833	intron (NM_200604, intron 6 of 27)	NM_200604	exoc2	6.248020163	3.93241725	2.315602913	0.000406
peak_23176	chr17	52612696	52613021	7587	intron (NM_194386, intron 1 of 6)	NM_194386	tgfb3	5.688366017	3.372909196	2.31545682	0.000181
peak_25739	chr14	26575447	26575985	10945	intron (NM_001199318, intron 1 of 3)	NM_001199318	cplx2	7.08067278	4.765225181	2.315447599	0.000503
peak_26470	chr11	25430673	25431008	-38503	Intergenic	NM_001080582	mxra8a	4.959486824	2.644099537	2.315387287	0.000644
peak_11228	chr13	39916679	39917333	120856	Intergenic	NM_001111187	zgc:172136	7.676549364	5.361179833	2.315369531	6.18E-08
peak_16040	chr21	28210730	28211193	69297	Intergenic	NM_001003543	zgc:100829	7.992651245	5.677335324	2.31531592	3.88E-06
peak_23043	chr1	14530081	14530356	-270370	Intergenic	NM_001020560	tusc3	5.806855482	3.491666724	2.315188758	0.000172
peak_37865	chr19	16862377	16862874	-40272	Intergenic	NM_212682	clic1	3.006230172	0.691124799	2.315105373	0.012439
peak_8308	chr13	41474276	41475376	47753	intron (NM_201030, intron 3 of 18)	NM_201030	prkg1a	9.650984754	7.335992642	2.314992112	1.61E-09
peak_11136	chr17	52091365	52091855	-61909	Intergenic	NM_001012488	zgc:113142	7.116370769	4.801426033	2.314944735	5.69E-08
peak_27520	chr17	41959028	41959296	-148734	Intergenic	NM_001098390	zgc:162576	6.147489785	3.832680129	2.314809656	0.000932
peak_27171	chr23	15470626	15471043	-29622	Intergenic	NM_001003833	sulf2b	6.561117372	4.246572332	2.31454504	0.000825
peak_26253	chr18	35217045	35217556	70848	Intergenic	NM_001044905	ttc9b	4.456075431	2.141625129	2.314450302	0.0006
peak_11469	chr15	35709004	35709497	234425	Intergenic	NM_001040687	nphs1	6.714178899	4.39991391	2.314264989	7.97E-08
peak_32152	chr2	32818563	32819486	-88479	Intergenic	NM_001076570	rnf220a	8.149108092	5.835058422	2.314049671	0.003543
peak_30565	chr2	4700901	4701379	55585	Intergenic	NM_001009917	tfr1a	7.697416347	5.383550359	2.313865988	0.00235
peak_31987	chr13	52178487	52179433	-37846	Intergenic	NM_001045030	prtga	7.376917506	5.063264432	2.313653074	0.003417
peak_35387	chr19	7683221	7683593	9543	intron (NM_130974, intron 3 of 6)	NM_130974	tapbp	2.533336158	0.219835396	2.313500762	0.007474
peak_26327	chr22	32357879	32358203	19512	intron (NM_198978, intron 8 of 10)	NM_001166123	bbip1	5.653745742	3.340804523	2.312941219	0.000616
peak_26705	chr5	45379382	45380021	-22241	Intergenic	NM_001104937	nos2a	6.459606226	4.146823014	2.312783211	0.000702
peak_15249	chr8	3673076	3674137	-40636	Intergenic	NM_001017772	zgc:112433	8.051814403	5.739240612	2.312573791	2.19E-06
peak_32485	chr19	37026055	37026441	14826	intron (NM_001024098, intron 1 of 5)	NM_001024098	ptp4a2b	6.252081089	3.939688449	2.312392639	0.003875
peak_9261	chr5	74810837	74812711	23044	TTS (NM_001003993)	NM_001003993	ak1	10.5318067	8.219719544	2.312087155	5.97E-09
peak_11345	chr2	27955050	27955470	33815	Intergenic	NM_201330	dhcr7	6.979701263	4.667670264	2.312030999	6.95E-08
peak_26108	chr11	44649169	44649422	47746	Intergenic	NM_001002123	ralbb	5.522798387	3.21077472	2.312023667	0.000571
peak_14831	chr13	24183966	24184579	-28071	Intergenic	NM_198063	agt	8.563276283	6.251457013	2.31181927	1.61E-06
peak_12907	chr1	10975670	10976119	55347	exon (NM_001037387, exon 12 of 15)	NM_001037387	ttyh3b	6.663129978	4.351967516	2.311162461	3.19E-07
peak_14976	chr14	7015586	7016690	840	exon (NM_001111226, exon 2 of 6)	NM_001111226	hbegfa	7.579543646	5.268489329	2.311054316	1.77E-06
peak_14878	chr16	1930760	1931227	-350228	Intergenic	NM_001013342	zgc:112964	7.122379485	4.811588663	2.310790823	1.65E-06
peak_17529	chr2	6364266	6364476	-111110	Intergenic	NM_001077307	rgs18	5.747792413	3.437216502	2.310575911	9.97E-06
peak_38046	chr15	46569951	46570542	423	exon (NM_001113801, exon 1 of 1)	NM_001113801	socs9	5.026569165	2.716259194	2.31030997	0.012882
peak_26028	chr22	25791682	25792229	-15855	Intergenic	NM_001102392	si:ch211-226h8.1	3.594783512	1.284490306	2.310293206	0.000555
peak_28240	chr11	45052608	45053010	631	intron (NM_001015069, intron 1 of 9)	NM_001015069	gli2b	6.206558694	3.896656029	2.309902665	0.001187
peak_36066	chr20	21870659	21870945	111401	Intergenic	NM_001030136	daam1b	2.529533336	0.219835396	2.30969794	0.008651
peak_15849	chr5	64718000	64718261	-2222	Intergenic	NM_199919	ap2b1	5.94238562	3.632750923	2.309634697	3.38E-06
peak_16494	chr19	25017170	25017882	24058	Intergenic	NM_001004639	polr3gla	8.259438964	5.950354523	2.30908444	5.25E-06
peak_11910	chr18	4976233	4977972	2426	intron (NM_131879, intron 1 of 6)	NM_131879	cyp1a	7.850083601	5.541045707	2.309037893	1.23E-07
peak_19929	chr16	27678367	27678629	-39083	Intergenic	NM_001045249	zgc:136493	6.297888534	3.989482398	2.308406136	3.95E-05
peak_16876	chr18	11760455	11760805	15372	intron (NM_198372, intron 1 of 3)	NM_198372	fam107b	5.953802019	3.645695125	2.308106893	6.60E-06
peak_35698	chr25	18852240	18852846	-34750	Intergenic	NM_194380	dusp6	6.663768004	4.355794535	2.307973469	0.008021
peak_22920	chr20	28933722	28934306	-23305	intron (NM_001044755, intron 2 of 6)	NM_001002610	srsf5b	8.155998163	5.84887262	2.307125542	0.000163
peak_8316	chr23	25733700	25734633	154878	Intergenic	NM_212641	pa2g4b	10.01045221	7.703427915	2.307024295	1.63E-09
peak_13200	chr5	30328551	30328992	-11578	Intergenic	NM_130907	tnc	6.962144528	4.655447222	2.306697306	4.23E-07

peak_29778	chr19	42469340	42469628	21365	Intergenic	NM_001013293	chrac1	5.080347896	2.773882583	2.306465313	0.001907
peak_13081	chr12	44812550	44813055	-36114	Intergenic	NM_001110011_1	dock1	6.842057214	4.535754127	2.306303087	3.82E-07
peak_18365	chr16	27471818	27472991	278	exon (NM_001017837, exon 1 of 1)	NM_001017837	zgc:110182	8.211689283	5.90541433	2.306274954	1.67E-05
peak_38138	chr21	175483	176014	-8931	Intergenic	NM_001114422	tbc1d13	6.2948114	3.988599782	2.306211618	0.013098
peak_26282	chr12	50279871	50280257	20397	Intergenic	NM_181766	anxa11b	3.931577743	1.625584991	2.305992752	0.000606
peak_13261	chr10	10790753	10791320	23576	Intergenic	NM_201118	ambp	8.911838269	6.605860197	2.305978073	4.45E-07
peak_21789	chr15	34680285	34680609	130821	Intergenic	NM_001080189_1	zgc:158328	6.086203517	3.780270447	2.30593307	9.86E-05
peak_37857	chr16	39292655	39293104	-39750	Intergenic	NM_001111247	ctps1b	5.677187751	3.371441938	2.305745813	0.012429
peak_22347	chr11	11130668	11130986	70802	Intergenic	NM_001007422	mvda	5.745335402	3.439597535	2.305737867	0.000127
peak_15747	chr14	15337142	15337724	58328	intron (NM_200376, intron 2 of 6)	NM_200376	fgfrl1a	8.241120888	5.935821418	2.305299471	3.16E-06
peak_31907	chr20	19976304	19976712	-45415	Intergenic	NM_212570	ptk2bb	3.911263383	1.606593419	2.304669964	0.003352
peak_10368	chr9	23742290	23742759	31676	intron (NM_001082836, intron 11 of 15)	NM_001082836	itgb5	8.044069021	5.739504782	2.304564239	2.35E-08
peak_36769	chr12	15780713	15781075	21520	Intergenic	NM_131082	neurod2	4.018412541	1.713875669	2.304536873	0.010056
peak_11213	chr12	46271448	46272027	299085	Intergenic	NM_212945	mrpl38	7.938621476	5.63415627	2.304465206	6.07E-08
peak_14681	chr8	17201994	17202477	5941	exon (NM_001113652, exon 6 of 13)	NM_001113652	si:ch211-198n5.1	7.891416824	5.58719039	2.304226434	1.43E-06
peak_16962	chr8	31049247	31049836	-33974	intron (NM_001123258, intron 12 of 14)	NR_030033		7.928708938	5.624703786	2.304005152	6.89E-06
peak_38231	chr5	46550393	46550675	-12959	Intergenic	NM_205628	dmrt1	5.881277544	3.577520024	2.30375752	0.013347
peak_17674	chr13	12647051	12647418	16307	exon (NM_205603, exon 10 of 10)	NM_205603	zgc:100846	6.379824576	4.076318324	2.303506252	1.11E-05
peak_12436	chr9	27882750	27883500	-480073	Intergenic	NM_001126402	si:rp71-84d19.3	8.861450505	6.557946996	2.303503509	2.08E-07
peak_23582	chr10	1261254	1261638	7566	intron (NM_001009895, intron 1 of 6)	NM_001009895	pdlim5b	6.558540288	4.255244084	2.303296204	0.000213
peak_19466	chr13	31431267	31431674	-43119	Intergenic	NM_001110389	mapk8a	7.228318377	4.925124033	2.303194343	3.03E-05
peak_11072	chr6	9791460	9792120	26800	intron (NM_001080085, intron 1 of 9)	NM_001080085	palm3	7.568208218	5.265264657	2.30294356	5.36E-08
peak_16123	chr7	9074778	9075198	22153	intron (NM_001020496, intron 1 of 4)	NM_001020496	zgc:113057	7.217097258	4.914202027	2.302895231	4.06E-06
peak_36388	chr23	968128	968486	98054	Intergenic	NM_001030233	zgc:113423	2.787481669	0.48510786	2.302373809	0.009301
peak_12415	chr8	44424959	44425710	-146360	Intergenic	NM_001017996	gfra2a	8.599398893	6.2970442	2.302354693	2.03E-07
peak_14383	chr2	35167272	35167894	120266	intron (NM_194383, intron 17 of 23)	NM_131036	tnw	9.246032176	6.94377615	2.302256027	1.14E-06
peak_10598	chr1	2910793	2911411	104233	Intergenic	NR_030045		8.805520772	6.50329634	2.302224432	3.08E-08
peak_34511	chr6	18533387	18533917	-84281	Intergenic	NM_001007769	grb2a	3.18152925	0.87932337	2.302205881	0.006206
peak_38427	chr4	60241821	60242124	-4155	Intergenic	NM_201580	nup50	2.521897487	0.219835396	2.302062091	0.013841
peak_38425	chr1	45506498	45507621	-2020	Intergenic	NM_001003728	rps6	2.521897487	0.219835396	2.302062091	0.013841
peak_38426	chr15	1244876	1245270	48981	Intergenic	NM_001037426	mfsd1	2.521897487	0.219835396	2.302062091	0.013841
peak_18848	chr12	39654516	39654871	435957	Intergenic	NM_001110169	zgc:171957	6.328657568	4.026754363	2.301903205	2.18E-05
peak_31280	chr7	56992968	56993434	96455	Intergenic	NM_001003506	trappc2l	6.597296716	4.295437627	2.301859089	0.002829
peak_27756	chr19	22729547	22729874	28635	intron (NM_001045159, intron 6 of 9)	NM_001045159	nfatc1	5.189453875	2.88766439	2.301789485	0.001016
peak_18314	chr4	1972099	1972553	18627	Intergenic	NM_001044898	frs2a	6.401343166	4.099942268	2.301400898	1.63E-05
peak_31701	chr8	35323630	35324038	-37493	Intergenic	NM_200894_10	zgc:77614	3.374565546	1.073292992	2.301272554	0.003172
peak_37513	chr18	4790423	4790803	-50390	Intergenic	NM_001007761	fgf7	5.931937913	3.630894177	2.301043736	0.0117
peak_35077	chr13	48676037	48677008	-25443	Intergenic	NR_120391_1		4.732938956	2.431948405	2.300990551	0.006998
peak_10776	chr13	46726201	46726711	-18658	Intergenic	NM_213133	marcksl1a	7.86886652	5.568005557	2.300860963	3.76E-08
peak_30730	chr17	20836519	20836728	-27393	Intergenic	NM_001080088	phyhipla	3.346615242	1.045780477	2.300834766	0.002446
peak_18017	chr1	8192454	8193048	6762	Intergenic	NM_001003418	ndufab1a	7.280574968	4.979962268	2.3006127	1.38E-05
peak_7978	chr8	8667626	8668368	-72128	Intergenic	NM_001122628_1		9.386100467	7.085935914	2.300164553	9.20E-10
peak_8036	chr22	18807555	18808229	-37540	Intergenic	NM_200017	cirbp	8.26374156	5.964433807	2.299307753	1.01E-09
peak_24419	chr7	37819115	37819671	24631	Intergenic	NM_200105	aktip	6.606377371	4.307788298	2.298589073	0.000307
peak_23023	chr6	36685951	36686499	57407	intron (NM_001007298, intron 27 of 28)	NM_001007298	opa1	5.093967964	2.795456033	2.29851193	0.000171
peak_22908	chr15	30552000	30552560	10619	intron (NM_001079963, intron 1 of 4)	NM_001079963	vezf1b	6.097825209	3.799322089	2.29850312	0.000162
peak_9841	chr18	30694618	30695784	-96239	Intergenic	NM_001080186	foxf1	8.884113402	6.585801603	2.298311798	1.30E-08
peak_26543	chr5	38364175	38364414	33404	Intergenic	NM_001017863	ppp1r14aa	5.706187427	3.40803256	2.298154867	0.000663
peak_26179	chr1	13962425	13962690	19197	Intergenic	NM_001076622	itln1	5.586113811	3.288104541	2.29800927	0.000585
peak_19640	chr2	31040288	31040668	16209	intron (NM_001013270, intron 1 of 11)	NM_001013270	yes1	7.054049691	4.756158292	2.297891399	3.37E-05
peak_12511	chr10	25169913	25170883	20337	intron (NM_200571, intron 2 of 12)	NM_200571	ilk	9.111635136	6.813837268	2.297797869	2.22E-07
peak_28099	chr14	21454106	21454642	296523	Intergenic	NM_152963	fmr1	6.302925974	4.005336691	2.297589283	0.001139
peak_14070	chr14	1041642	1042071	43733	intron (NM_212882, intron 6 of 12)	NM_001258230	slc16a2	6.774014648	4.476482643	2.297532005	8.95E-07
peak_9714	chr19	5223630	5224111	-72627	Intergenic	NM_001128549	LOC799704	7.971310298	5.673882948	2.29742735	1.11E-08
peak_25635	chr12	6327570	6327929	-40195	Intergenic	NM_001002863	noc3l	5.609744952	3.312574586	2.297170366	0.000485
peak_40299	chr17	42815570	42816218	57575	Intergenic	NM_001080592	pax1a	6.96760047	4.670533793	2.297066677	0.018929
peak_28827	chr8	54104736	54105078	-73207	exon (NM_001245969, exon 39 of 44)	NM_131058	tbx16	5.115093328	2.818378558	2.29671477	0.00143
peak_25385	chr24	30723801	30724200	-281990	Intergenic	NM_001099258	lppr5b	6.895957662	4.599387023	2.296570639	0.000446
peak_23370	chr24	22414799	22415248	1744	intron (NM_001257153, intron 1 of 10)	NM_001014829	flt1	7.317082488	5.020715565	2.296366924	0.000196
peak_25921	chr18	4959596	4960057	-8581	Intergenic	NM_198877	mibp2	6.932869437	4.636549583	2.296319853	0.000536
peak_14767	chr5	29862680	29863194	-41266	Intergenic	NM_001080196	ncaph	7.014376399	4.718495709	2.295880691	1.54E-06
peak_17666	chr17	8231814	8232246	-79091	Intergenic	NM_130961	lft2	6.91836964	4.622846214	2.295523426	1.10E-05
peak_12104	chr6	30554829	30555491	158991	Intergenic	NM_001037669	insl5a	8.517281497	6.221787475	2.295494021	1.48E-07
peak_26091	chr10	1893437	1893651	15247	intron (NM_001143840, intron 1 of 15)	NM_001143840	apc	4.770571942	2.475207403	2.29536454	0.000568
peak_27046	chr6	5541604	5542103	623821	Intergenic	NM_001201446	rtn4a	7.131843708	4.836654774	2.295188935	0.000789
peak_31836	chr1	27350612	27351054	200931	Intergenic	NM_001020726	psip1	4.202051377	1.907116997	2.294934379	0.003299
peak_39650	chr21	41558404	41559105	18273	intron (NM_214716, intron 12 of 18)	NM_214716	hspa4a	6.850464698	4.555632682	2.294832016	0.016999
peak_15258	chr8	23822418	23822888	-7594	Intergenic	NM_001110398	samd10a	6.833385175	4.53865475	2.294730426	2.19E-06
peak_29629	chr1	23457017	23457810	43190	Intergenic	NM_200771	zgc:73273	3.348774912	1.054120914	2.294653998	0.00182
peak_30811	chr1	30916189	30916559	53710	Intergenic	NM_001256665	cenpk	6.860170902	4.5655548	2.294616102	0.002497
peak_7894	chr5	41865156	41865841	-29921	Intergenic	NM_001100034	si:dkey-193c22.1	8.554621184	6.260209589	2.294411596	8.06E-10
peak_24790	chr4	44993628	44994726	264160	Intergenic	NM_001128300	LOC100008037	4.170582953	1.876363678	2.294219276	0.000358
peak_22311	chr8	39321135	39321708	84540	intron (NM_001042766, intron 6 of 10)	NM_001042766	pdlim2	7.828836142	5.53475521	2.294080931	0.000125
peak_18239	chr5	54010747	54011402	-74014	Intergenic	NM_001144046	si:dkey-151g22.1	6.778238906	4.484460665	2.293778241	1.56E-05
peak_11235	chr13	47853691	47854338	8329	intron (NM_001135791, intron 2 of 3)	NM_001135791	bcl2l11	7.367863741	5.074784998	2.293078743	6.25E-08
peak_13357	chr9	38252317	38253099	58563	intron (NM_130967, intron 2 of 13)	NM_130967	gli2a	8.292841622	5.999994527	2.292847095	4.93E-07
peak_29020	chr19	23457619	23457951	-27746	exon (NM_001130399, exon 35 of 70)	NM_130987	gdf6b	6.352593658	4.060550014	2.292043645	0.00152
peak_12551	chr24	27641082	27641765	-124652	Intergenic	NM_001077761	nceh1b	8.861825855	6.569883978	2.291941877	2.29E-07
peak_22337	chr17	29825612	29825965	110658	Intergenic	NM_212954	esrrga	5.653745742	3.361825796	2.291919946	0.000127
peak_40316	chr12	11359297	11359559	19750	intron (NM_001002223, intron 1 of 12)	NM_001002223	mpp2b	5.449046535	3.157458375	2.29158816	0.018981
peak_27020	chr7	71215319	71215659	118469	intron (NM_001128544, intron 22 of 24)	NM_001100955	olfcs2	5.468103815	3.177019741	2.291084074	0.000781
peak_8145	chr24	20375486	20376013	-108245	Intergenic	NM_199619	csrnp1b	8.665851829	6.374848177	2.291003652	1.22E-09
peak_23740	chr6	1649797	1650277	5988	intron (NM_001030251, intron 2 of 10)	NM_001030251	tpra1	6.312932259	4.022024064	2.290908195	0.000229
peak_24595	chr13	233390	233710	9981	Intergenic	NM_205651	slc30a6	5.562034842	3.271439702	2.29059514	0.000329
peak_35490	chr5	30781577	30781910	9199	intron (NM_001030100, intron 5 of 5)	NM_001030100	noxa1	6.182187941	3.891903276	2.290284664	0.007642
peak_22991	chr20	20741113	20741500	-3017	Intergenic	NM_001029948	rtn1b	6.269033671	3.978771959	2.290261712	0.000169
peak_27898	chr22	32045112	32045566	230945	Intergenic	NM_207637	adra2a	3.492783688	1.202526247	2.290257442	0.001065
peak_27762	chr17	34807066	34807510	-165781	Intergenic	NM_201291	id2a	6.454852023	4.164604719	2.290247304	0.001018
peak_6161	chr2	59196187	59198513	-49088	intron (NM_212882_1, intron 3 of 9)	NM_001002546	vapal	10.55836874	8.26815155	2.290217191	3.47E-11
peak_29402	chr5	37344006	37344328	17472	intron (NM_001002709, intron 7 of 7)	NM_001002709	ophn1	6.08650821	3.796390641	2.290117569	0.001707
peak_14674	chr13	33535432	33535970	5229	intron (NM_001037689, intron 11 of 13)	NM_001243153	tmem234	7.233604231	4.943522626	2.290081605	1.43E-06
peak_18937	chr13	7928445	7928815	-56075	Intergenic	NM_001113797	socs5b	6.139990656	3.850414574	2.289576082	2.29E-05
peak_15690	chr4	1884675	1885125	-9552	Intergenic	NM_001083089	si:dkey-97m3.1	6.317350168	4.028011773	2.289338396	3.04E-06
peak_26632	chr18	27792772	27792971	-82876	Intergenic	NM_001080159	hipk3b	5.348806386	3.059510523	2.289295863	0.000684
peak_28730	chr24	9625172	9625543	-56667	Intergenic	NM_212721	cdv3	6.267590886	3.978538555	2.289052331	0.001383
peak_19958	chr24	15332113	15332413	219876	Intergenic	NM_001098738	cbln2b	5.780628893	3.491917365	2.288711528	4.01E-05
peak_33301	chr7	21275400	21275730	8000	exon (NM_001030238, exon 3 of 8)	NM_001030238	zgc:114045	5.612020614	3.323729063	2.288291552	0.004701
peak_32352	chr10	16175341	16175634	-18620	Intergenic	NM_001007060	prrc1	5.641439946	3.353576129	2.287863818	0.003745
peak_16250	chr9	46787611	46788030	38777	Intergenic	NM_001002736	asb1	6.3609256	4.07307191	2.28785369	4.41E-06
peak_8479	chr15	44440185	44440938	-49495	Intergenic	NM_200546_1	psmd2	10.07773432	7.790042736	2.287691585	2.04E-09
peak_27835	chr5	17075431	17075773	-46481	Intergenic	NM_213323	pebp1	3.589313976	1.30163016	2.287683815	0.001043
peak_24190	chr18	11046835	11047079	453527	Intergenic	NM_001013335	zgc:110789	5.63080423	3.343526212	2.287278018	0.00028
peak_12645	chr19	22724546	22725178	23787	intron (NM_001045159, intron 6 of 9)	NM_001045159	nfatc1	7.05570323	4.768632748	2.287070482	2.49E-07
peak_32403	chr25	22103752	22104233	74047	intron (NM_001003755, intron 3 of 5)	NM_001003755	immp2l	3.740360808	1.453857079	2.286503729	0.00379
peak_9422	chr19	3040391	3040811	14549	intron (NM_205630, intron 1 of 10)	NM_205630	fam126a	7.70597685	5.419515182	2.286461668	7.58E-09

peak_22931	chr23	42571267	42571565	-92782	intron (NM_001127473, intron 2 of 3)	NM_001190760	slc1a7b	5.827179997	3.541506056	2.285673942	0.000163
peak_31988	chr20	28384354	28384629	-2532	exon (NM_173245, exon 5 of 5)	NM_001045119	ino80	5.560638036	3.275011993	2.285626043	0.003419
peak_13474	chr19	19215532	19216401	120	exon (NM_131532, exon 1 of 2)	NM_131532	hoxa9a	8.96271492	6.677321162	2.285393758	5.42E-07
peak_12388	chr1	36412502	36412966	-17503	Intergenic	NM_001145596	tmem184c	6.995172491	4.709800883	2.285371608	1.97E-07
peak_27066	chr16	29142346	29142716	-35802	Intergenic	NM_001002108	ino80c	6.006834325	3.72184149	2.284992835	0.000793
peak_22732	chr7	68637482	68637806	-169512	Intergenic	NM_001110471_1	parvab	6.465106108	4.180223613	2.284882495	0.00015
peak_14341	chr22	32614687	32615510	-2551	Intergenic	NM_212565	dusp5	9.262272287	6.977523418	2.284748869	1.10E-06
peak_14636	chr14	5092594	5093138	-299159	Intergenic	NM_001007134	lbx2	6.31431431	4.03024941	2.2840649	1.39E-06
peak_40117	chr6	49832952	49833513	-19947	Intergenic	NM_200195	zgc:56112	7.477154348	5.193113648	2.2840407	0.018372
peak_28928	chr16	3946071	3946654	-66540	Intergenic	NM_001020660	cyb5r4	7.40344523	5.119412051	2.284033178	0.00148
peak_33680	chr5	51488171	51488543	-39216	Intergenic	NM_131180	nr2f1a	6.377959878	4.094277042	2.283682836	0.005127
peak_20219	chr23	10601929	10602306	99001	Intergenic	NM_001099237	eif4ba	6.448557844	4.165061579	2.283496265	4.63E-05
peak_27653	chr22	29662233	29663233	-268739	Intergenic	NM_001003584	jagn1b	7.39848678	5.115240907	2.283245872	0.000976
peak_33611	chr7	66712536	66712986	117439	Intergenic	NM_198825_1	fam60al	6.450806972	4.167562144	2.283244828	0.005038
peak_12710	chr9	37729833	37730255	246653	Intergenic	NM_001003649	ralba	6.199976864	3.916798561	2.283178303	2.67E-07
peak_27606	chr15	4312372	4313038	-31924	intron (NM_198208, intron 7 of 13)	NM_131670	atp1b3b	7.004801405	4.721672257	2.283129147	0.00096
peak_14580	chr14	48202186	48202734	-43744	Intergenic	NM_001030163	sfxn5b	8.797820387	6.514711532	2.283108855	1.32E-06
peak_22027	chr15	19256374	19256698	55725	Intergenic	NM_001077250	spint2	5.814298329	3.531506879	2.282791449	0.00011
peak_43786	chr3	42188139	42189416	-2573	Intergenic	NR_120359_1		5.947403106	3.664937995	2.282465111	0.032151
peak_7566	chr19	8584278	8586864	24914	Intergenic	NM_001100099	si:dkey-266f7.5	9.636157907	7.353943006	2.282214901	4.90E-10
peak_13544	chr19	25005909	25006280	31974	Intergenic	NM_200087	txnipa	6.081322328	3.799202342	2.282119986	5.73E-07
peak_15955	chr15	15025626	15026078	6126	intron (NM_131880, intron 4 of 8)	NM_131880	hnf1ba	6.804901911	4.522844506	2.282057404	3.65E-06
peak_18135	chr12	50520387	50521075	-43276	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	7.200566149	4.918918084	2.281648065	1.47E-05
peak_21276	chr22	17953733	17954513	-41258	Intergenic	NM_201494	tjp3	9.393813036	7.112174058	2.281638978	7.64E-05
peak_33004	chr8	5762966	5763506	102437	Intergenic	NM_200346	diabloa	7.040389474	4.759033413	2.281356061	0.004402
peak_30109	chr20	40691936	40692306	60063	Intergenic	NM_131038	cx43	6.545377453	4.264248825	2.281128628	0.002085
peak_19313	chr18	9376790	9377231	381780	Intergenic	NM_001100024	LOC566572	6.36626559	4.085613285	2.280652306	2.80E-05
peak_18754	chr11	10964198	10964536	-49505	Intergenic	NM_001083573	psmd14	6.727762337	4.447173153	2.280589183	2.06E-05
peak_16909	chr15	25137110	25137805	-94796	Intergenic	NR_030247		7.975247251	5.694759527	2.280487724	6.71E-06
peak_37319	chr6	9077291	9077962	-14038	intron (NM_001004584, intron 1 of 1)	NM_001030252	nabp1b	6.690058022	4.409628103	2.28042992	0.011256
peak_36915	chr9	22540627	22541044	-18514	Intergenic	NM_001126433	mphosph8	6.597296716	4.316946775	2.280349941	0.010373
peak_29529	chr9	44910523	44911014	39575	intron (NM_200921, intron 3 of 5)	NM_200921	ube2e3	7.076117737	4.795890208	2.280227529	0.001772
peak_9922	chr12	29813736	29814283	83178	Intergenic	NM_001130772	zgc:195081	7.983022453	5.703022466	2.279999987	1.44E-08
peak_15657	chr17	51284683	51285260	-44584	intron (NM_001256215, intron 4 of 15)	NM_001002063	stxbp6	7.136079245	4.856241627	2.279837619	2.94E-06
peak_19440	chr22	20402633	20402886	21510	Intergenic	NM_001083879	rxfp3.2b	5.518008373	3.238215583	2.27979279	2.98E-05
peak_7496	chr10	33909416	33910251	-64425	Intergenic	NM_001045333	kctd7	8.859037741	6.579411469	2.279626272	4.28E-10
peak_17587	chr11	39949056	39949457	-2249	Intergenic	NM_200531_1	mfsd4a	6.600005764	4.320696828	2.279308936	1.05E-05
peak_19792	chr2	34150902	34151292	-295095	Intergenic	NM_001003878	cenpl	6.859603052	4.580331816	2.279271236	3.63E-05
peak_20492	chr22	38051966	38052395	27526	intron (NM_201044, intron 8 of 9)	NM_201336	pfn2	7.174733064	4.895655541	2.279077523	5.27E-05
peak_26647	chr18	39539894	39540279	32496	Intergenic	NM_001076747	fbxo36a	6.219927938	3.941044107	2.278883832	0.000686
peak_12746	chr4	22753756	22754238	55617	intron (NM_001130599, intron 2 of 13)	NM_001130599	usp6nl	7.349480605	5.071011943	2.278468662	2.77E-07
peak_34555	chr23	34047970	34048472	-59321	Intergenic	NM_199631	racgap1	2.978440673	0.70013877	2.278301903	0.006267
peak_23724	chr3	58225914	58226167	13807	Intergenic	NM_199950	socs3a	5.89614226	3.617905788	2.278236472	0.000228
peak_32869	chr9	23438757	23439796	40826	Intergenic	NM_001012390	crygs3	8.217774987	5.939642638	2.27813235	0.004246
peak_22501	chr17	15096237	15096519	-25357	Intergenic	NM_001024390	styx	5.702392321	3.424290074	2.278102247	0.000135
peak_15332	chr9	15310390	15311023	390165	Intergenic	NM_131520	fn1a	8.252729969	5.974665852	2.278064117	2.32E-06
peak_14718	chr23	44650486	44651043	11348	Intergenic	NM_131152	psmb6	7.721728019	5.443681059	2.27804696	1.48E-06
peak_32161	chr8	968178	968471	-7965	Intergenic	NM_001003778	mrps27	5.806462687	3.528728432	2.277734255	0.003555
peak_12444	chr15	23352372	23353351	-56487	Intergenic	NM_212633	appbp2	8.907153362	6.629566343	2.277587019	2.09E-07
peak_8838	chr2	59149844	59150793	58941	intron (NM_212882_1, intron 3 of 9)	NM_212882_1		9.742942195	7.465408935	2.27753326	3.37E-09
peak_32379	chr6	59189981	59190361	95940	Intergenic	NM_001123374	shmt2	6.414865716	4.137622181	2.277243535	0.003764
peak_9736	chr21	6309484	6310490	252669	Intergenic	NM_212591	cdk9	8.765172217	6.488214277	2.27695794	1.15E-08
peak_28518	chr10	26208554	26208859	125153	Intergenic	NM_131294	sod1	5.662479007	3.3856099	2.276869107	0.001298
peak_9570	chr17	39373371	39374080	-21799	Intergenic	NM_212821	crim1	8.484741129	6.208455734	2.276285395	9.20E-09
peak_30755	chr11	5271121	5272117	-281391	Intergenic	NM_201450	cse1l	7.525917307	5.250254992	2.275662315	0.002459
peak_24759	chr10	36314511	36314962	15313	intron (NM_001034982, intron 2 of 15)	NM_001034982	por	6.646057324	4.370430169	2.275627155	0.000353
peak_7192	chr14	37102320	37103601	10112	Intergenic	NM_001005983	tmem144b	9.391153714	7.115725851	2.275427864	2.48E-10
peak_33385	chr15	40371166	40371509	29737	exon (NM_001002430, exon 6 of 6)	NM_001002430	pxylp1	5.808033224	3.53264084	2.275392384	0.004801
peak_28484	chr18	24357116	24357394	11364	TTS (NM_200850)	NM_200850	lysmd4	3.678071896	1.402722361	2.275349536	0.001282
peak_31592	chr22	16754914	16755484	-2358	Intergenic	NM_213237	tal1	6.068892416	3.793545674	2.275346742	0.003077
peak_30240	chr4	29141688	29142399	337553	Intergenic	NM_001123254	LOC560232	3.881650491	1.606593419	2.275057072	0.002165
peak_14563	chr20	6756666	6757474	116915	Intergenic	NM_001171033	si:ch211-191a24.	8.447858074	6.173185994	2.274672081	1.30E-06
peak_19291	chr15	26688329	26688886	-24679	intron (NM_200622, intron 23 of 24)	NM_131051	tbx2b	6.790627809	4.51600323	2.274624578	2.77E-05
peak_13961	chr19	33857454	33857976	5024	intron (NM_001020612, intron 2 of 8)	NM_001020612	gmpr	7.174876351	4.900308833	2.274567518	8.15E-07
peak_9281	chr24	32071515	32073390	-39216	Intergenic	NR_048923		10.34439357	8.069897605	2.274495967	6.19E-09
peak_28327	chr3	7340805	7341389	371124	Intergenic	NM_205613	hn1b	6.930517725	4.656022098	2.274495627	0.001224
peak_8634	chr6	16162180	16162703	161571	Intergenic	NM_001002395	faimb	8.591934059	6.317460513	2.274473546	2.46E-09
peak_28698	chr5	64686920	64687452	126	5' UTR (NM_001166446, exon 1 of 3)	NM_001166446	si:dkey-261j4.4	6.121441614	3.846992135	2.274449479	0.001368
peak_12716	chr20	51762943	51763503	-39450	Intergenic	NM_205766	rnf8	7.067427428	4.793446908	2.27398052	2.69E-07
peak_31926	chr9	8763626	8763959	187584	Intergenic	NM_212771	rab20	6.349599683	4.076415892	2.273183791	0.003368
peak_21105	chr14	45962314	45963222	-102908	Intergenic	NM_200975	gar1	8.569778061	6.296642878	2.273135183	7.06E-05
peak_28628	chr3	41919680	41920681	7899	3' UTR (NM_130971, exon 8 of 8)	NM_130971	lfng	8.629537704	6.356509438	2.273028267	0.001344
peak_27787	chr15	34816542	34817062	267176	Intergenic	NM_001080189_1	zgc:158328	6.649371981	4.376376295	2.272995686	0.001026
peak_30435	chr1	8164414	8164754	34929	Intergenic	NM_001003418	ndufab1a	5.998261256	3.725391424	2.272869831	0.002274
peak_22708	chr6	52983719	52984061	17067	Intergenic	NM_199788	fam212ab	5.7403848	3.467629652	2.272755148	0.000148
peak_15269	chr2	50531234	50531897	16843	intron (NM_001145764, intron 1 of 28)	NM_001145764	hecw1b	7.968493895	5.696151879	2.272342015	2.21E-06
peak_12910	chr22	19156233	19156811	3008	intron (NM_198142, intron 1 of 8)	NM_198142	bsg	7.263320643	4.991050519	2.272270124	3.19E-07
peak_15790	chr7	34722364	34723193	-35799	Intergenic	NM_212849	glceb	7.321091348	5.049184413	2.271906936	3.26E-06
peak_16119	chr23	39380606	39381113	3422	intron (NM_001045224, intron 1 of 1)	NM_001045224	bmf1	6.973046067	4.701292458	2.271753609	4.04E-06
peak_36014	chr2	45252294	45252803	190	TTS (NR_029925)	NR_029925		6.093627279	3.821906538	2.271720741	0.008554
peak_21359	chr18	8384847	8385256	2788	intron (NM_001089407, intron 1 of 21)	NM_001089407	LOC565175	6.088466969	3.816824469	2.2716425	7.97E-05
peak_11724	chr17	46024913	46025341	49458	Intergenic	NR_029933		6.936104835	4.664995694	2.271109141	1.00E-07
peak_25639	chr4	26475427	26475927	-62259	Intergenic	NM_001082941	zbed4	4.903160956	2.632805277	2.270355679	0.000486
peak_11167	chr1	17624887	17625805	-34496	Intergenic	NM_001161335	zgc:195282	8.740136739	6.469811365	2.270325373	5.87E-08
peak_24686	chr10	43983416	43983720	28736	intron (NM_001161732, intron 2 of 17)	NM_001161732	fgfr1b	5.913432374	3.643138053	2.270294322	0.000343
peak_31789	chr6	50044076	50044468	96825	intron (NM_205610, intron 2 of 9)	NM_212675	eif2s2	6.692823453	4.422612185	2.270211268	0.003257
peak_12375	chr2	6352151	6352567	-99098	Intergenic	NM_001077307	rgs18	6.814114354	4.544039593	2.270074761	1.94E-07
peak_32844	chr5	17175264	17176068	53583	Intergenic	NM_213323	pebp1	8.274314726	6.00437961	2.269935117	0.004216
peak_25125	chr12	27180841	27181359	-41441	Intergenic	NM_001128734	six2b	5.811583529	3.541765912	2.269817618	0.000406
peak_30097	chr22	18976182	18976831	-5911	Intergenic	NM_207052	midn	7.599232136	5.329424576	2.269807559	0.002079
peak_14331	chr20	43341122	43342297	-69133	Intergenic	NM_001044916	unc93a	8.843871035	6.574097873	2.269773162	1.09E-06
peak_29998	chr1	35033649	35034214	-35444	Intergenic	NM_001003527	kctd15b	3.634375402	1.364650599	2.269724804	0.002023
peak_15699	chr16	44864561	44864843	-28625	intron (NM_001168265, intron 1 of 11)	NM_199838	zgc:66432	5.877520948	3.607799702	2.269721246	3.05E-06
peak_23843	chr13	47363103	47363445	-36816	Intergenic	NM_001003869	fbxo5	5.987172421	3.717598223	2.269574198	0.000241
peak_34941	chr3	5395417	5395712	-134987	Intergenic	NM_001076602	slc25a38a	2.978440673	0.709096771	2.269343901	0.006782
peak_41443	chr15	23407493	23407930	-111337	Intergenic	NM_212633	appbp2	5.53615407	3.267211207	2.268942862	0.022751
peak_18647	chr8	12329197	12329724	-41938	Intergenic	NM_001113585	anapc7	7.33287538	5.064369199	2.268506181	1.93E-05
peak_30813	chr22	29112164	29112730	682875	Intergenic	NM_001083852	wu:fu71h07	5.690897074	3.422419558	2.268477516	0.0025
peak_32189	chr6	15972214	15972467	23352	Intergenic	NM_152964	gbx2	5.485903181	3.217489841	2.26841334	0.003584
peak_23571	chr15	37134261	37134698	214872	Intergenic	NM_001044799	stim1a	6.412772711	4.144416413	2.268356298	0.000213
peak_35068	chr13	18544660	18545389	-11541	intron (NM_001123010, intron 1 of 3)	NM_001145579	si:ch211-198a12.	8.187405777	5.919240493	2.268165284	0.006978
peak_19921	chr5	41294217	41294594	9774	intron (NM_001105279, intron 5 of 17)	NM_001105279	prkg2	6.410706818	4.142644131	2.268062687	3.93E-05
peak_33723	chr4	50004683	50005018	165662	Intergenic	NM_001111254	zgc:174180	3.147197703	0.87932337	2.267874334	0.005176
peak_24707	chr20	18182239	18182600	-26883	Intergenic	NM_001003749	aqp4	6.158322191	3.890594872	2.26772732	0.000346
peak_15294	chr24	13838061	13838421	8979	exon (NM_131193, exon 2 of 19)	NM_131193	eya1	6.411740134	4.144986523	2.266753611	2.25E-06

peak_20894	chr17	37185332	37186039	-29636	Intergenic	NM_001018140	dnmt3ab	6.655068016	4.388463497	2.266604518	6.39E-05
peak_33074	chr5	36527835	36528159	-72219	Intergenic	NM_213129	ankra2	5.782627238	3.516023256	2.266603982	0.004473
peak_21547	chr13	50296854	50297918	125534	Intergenic	NM_199981	irf2bp2a	7.087630711	4.821394236	2.266236475	8.76E-05
peak_27157	chr9	42503688	42504083	-29278	Intergenic	NM_001123273	LOC564685	6.451560788	4.185340752	2.266220036	0.00082
peak_35460	chr2	5453	6027	1961	Intergenic	NM_207075_1	zgc:77197	5.441000879	3.175719872	2.265281007	0.007583
peak_19325	chr3	60236327	60236577	-34860	Intergenic	NM_001045471	fam195b	5.921819023	3.657220593	2.26459843	2.82E-05
peak_39925	chr21	41434563	41435036	-13931	Intergenic	NM_001020512	dpysl3	5.218122651	2.953659189	2.264463463	0.017795
peak_18499	chr9	21371294	21371565	34762	intron (NM_001159666, intron 1 of 8)	NM_001159666	igsf3	6.16231838	3.897958916	2.264359463	1.78E-05
peak_19362	chr11	26159747	26160701	-21422	Intergenic	NR_030503		9.052766894	6.788653996	2.264112898	2.86E-05
peak_10515	chr12	488315	489512	-13044	Intergenic	NM_001020657	dhrs7cb	9.826374016	7.562359887	2.264014129	2.75E-08
peak_9364	chr13	13860501	13861062	-6555	Intergenic	NM_001145615	atrn	8.614372166	6.350361804	2.264010361	6.95E-09
peak_25264	chr12	18214697	18215023	-7467	Intergenic	NM_200274	ankrd22	5.88351378	3.620002763	2.263511017	0.000427
peak_7982	chr21	3507563	3508214	181481	Intergenic	NM_175082	smad7	9.29242093	7.029190467	2.263230463	9.28E-10
peak_23626	chr1	50934238	50934678	10872	intron (NM_001111209, intron 1 of 3)	NM_001111209	dkk2	7.494850192	5.231641325	2.263208867	0.000217
peak_23339	chr6	38366114	38366397	-338015	Intergenic	NM_001007318	ube3a	5.36386504	3.100676084	2.263188957	0.000193
peak_12215	chr13	46142924	46143384	60	promoter-TSS (NM_001024819)	NM_001024819	rhd	7.874702533	5.611783452	2.262919081	1.65E-07
peak_19686	chr18	8086533	8086836	-42174	Intergenic	NM_001128535	si:ch211-220f12.	5.571801766	3.309301465	2.2625003	3.44E-05
peak_32075	chr8	52352647	52353047	40347	Intergenic	NM_001083854	ido1	5.674176886	3.412131006	2.26204588	0.003491
peak_16916	chr17	52414576	52415000	4645	intron (NM_001040406, intron 1 of 10)	NM_001040406	numb	7.168759383	4.907429288	2.261330094	6.73E-06
peak_12259	chr17	37889280	37890212	73628	Intergenic	NM_001077153	zfp36l1a	8.028625695	5.767353494	2.261272201	1.72E-07
peak_12930	chr18	31307169	31307768	-33322	Intergenic	NM_001007395_2	def8	7.129490337	4.868688299	2.260802038	3.26E-07
peak_16457	chr19	23008594	23008939	-45581	Intergenic	NM_001100032	pleca	7.114934725	4.854454972	2.260479753	5.11E-06
peak_15098	chr20	41493147	41493559	464872	Intergenic	NM_001201561	LOC555548	7.004287731	4.743911515	2.260376216	1.95E-06
peak_36407	chr3	9421532	9421816	-327533	Intergenic	NM_131836_1	sim2	2.745287581	0.48510786	2.260179721	0.009352
peak_32848	chr18	1984612	1984942	189935	Intergenic	NM_207073	relt	4.486912637	2.226763905	2.260148732	0.004217
peak_29056	chr11	35671043	35671454	-44256	intron (NM_001001818, intron 1 of 8)	NM_001079988	fam212aa	6.576647105	4.316744434	2.259902672	0.001538
peak_17988	chr10	1925831	1926262	47749	Intergenic	NM_001143840	apc	7.019150059	4.759511478	2.259638581	1.36E-05
peak_27454	chr2	18302798	18303159	-10149	Intergenic	NM_001100007	ptbp2b	6.594582572	4.335196175	2.259386397	0.000911
peak_33497	chr15	6302762	6303579	-45540	Intergenic	NM_001005991	zgc:103530	7.334815121	5.075513489	2.259301632	0.004914
peak_31179	chr24	2989335	2989595	48486	Intergenic	NM_130916	inhbaa	5.352039769	3.092773225	2.259266545	0.00274
peak_21652	chr2	505130	505672	-95123	Intergenic	NM_212920	wrnip1	5.493271866	3.234027735	2.259244131	9.22E-05
peak_14581	chr14	53170701	53172163	55457	Intergenic	NM_199952	ube2d2l	8.44412742	6.184980738	2.259146682	1.32E-06
peak_23497	chr15	34666452	34666825	117012	Intergenic	NM_001080189_1	zgc:158328	6.221991163	3.962889884	2.259101279	0.000207
peak_29369	chr21	36574737	36575159	-55121	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	6.875837112	4.616748383	2.259088729	0.001693
peak_11185	chr24	2933774	2934955	103587	Intergenic	NM_130916	inhbaa	8.542671358	6.283687435	2.258983923	5.96E-08
peak_15042	chr13	20755830	20756416	-76667	Intergenic	NM_001144786	si:ch1073-126c3.	6.930517725	4.672169767	2.258347958	1.87E-06
peak_32872	chr19	4683981	4684523	-10091	Intergenic	NM_214815	thrap3b	2.812734601	0.554393687	2.258340914	0.00425
peak_38340	chr12	18806315	18806760	11460	Intergenic	NR_045235		6.413288722	4.155201079	2.258087643	0.013625
peak_20645	chr2	8408997	8409392	-13178	Intergenic	NM_001128395	si:ch211-71m22.	6.808621734	4.551147525	2.257474209	5.71E-05
peak_24116	chr25	36832036	36832360	77993	Intergenic	NM_001159829	slc2a13b	5.965149317	3.707998247	2.25715107	0.000271
peak_24565	chr22	29926683	29927009	-4626	Intergenic	NM_001003584	jagn1b	6.398754977	4.142042382	2.256712594	0.000326
peak_13148	chr13	15608457	15609719	44947	intron (NM_199885, intron 13 of 15)	NM_001077163	ckba	8.354195259	6.097725237	2.256470023	4.05E-07
peak_22287	chr3	43237532	43238473	2917	intron (NM_200517, intron 2 of 8)	NM_200517	zfand2a	7.598898563	5.342434657	2.256463906	0.000124
peak_24352	chr9	5989943	5990497	87422	Intergenic	NM_001128670	pdzk1	7.051897253	4.795621977	2.256275277	0.000299
peak_26941	chr14	6293876	6294334	-58916	Intergenic	NM_001202494	LOC797948	7.320961872	5.064882808	2.256079064	0.000764
peak_31797	chr4	8307030	8307343	-40158	Intergenic	NM_001017706	hcfc2	3.329220506	1.07379276	2.255427746	0.00326
peak_22686	chr12	28030266	28030783	-8354	intron (NM_001082948, intron 13 of 14)	NM_201344	ndel1a	6.708922142	4.453917181	2.255004961	0.000147
peak_25523	chr15	42672663	42672961	-30466	Intergenic	NM_200277	naalad2	5.118261731	2.863306546	2.254955186	0.000466
peak_37488	chr11	22273707	22274112	-36668	intron (NM_001048235, intron 11 of 22)	NM_001002751	ikbke	6.357428333	4.102944632	2.254483701	0.011643
peak_38299	chr19	42408612	42409084	-28177	Intergenic	NM_131323	dlx6a	6.648057263	4.394250023	2.253807241	0.013517
peak_31698	chr6	33285431	33285796	50689	Intergenic	NM_201143	pik3r3b	6.083593445	3.829891953	2.253701492	0.003171
peak_26513	chr14	17414254	17415376	62047	intron (NM_001044746, intron 2 of 5)	NM_001044746	cnga5	4.478003463	2.224657184	2.253346279	0.000657
peak_26911	chr11	36368369	36368785	163343	Intergenic	NM_200450	camkvb	7.078062167	4.824918339	2.253143828	0.000758
peak_27235	chr17	5713979	5714788	11846	Intergenic	NR_030085		6.578962119	4.326322356	2.252639764	0.000843
peak_32918	chr16	1183404	1183948	346342	Intergenic	NM_178222	sim1a	5.832591293	3.580246826	2.252344467	0.004308
peak_11630	chr2	14619294	14622384	63357	Intergenic	NM_001083863	LOC795615	8.929698528	6.677404256	2.252294272	9.29E-08
peak_14082	chr5	24046977	24047628	-29469	Intergenic	NR_029943		7.8828456	5.630681404	2.252164196	9.02E-07
peak_41474	chr14	19536273	19537114	62819	Intergenic	NM_001020594	neurl1b	4.684021275	2.431948405	2.252072869	0.022839
peak_16821	chr18	39147535	39147956	33427	Intergenic	NM_001017582	snrpd2	6.882747015	4.630713203	2.252033813	6.37E-06
peak_27503	chr7	25009418	25009740	30685	Intergenic	NM_001082848	zgc:162171	6.545391185	4.293461205	2.25192998	0.000928
peak_11046	chr23	3306170	3306821	117060	Intergenic	NM_131015	mafba	7.706193569	5.454289173	2.251904396	5.17E-08
peak_11723	chr8	44710580	44711272	40762	Intergenic	NM_001018128	crybb2	8.054380551	5.802652098	2.251728453	1.00E-07
peak_12245	chr3	8296207	8296917	-3238	Intergenic	NM_201111	hook2	8.679567799	6.427864915	2.251702884	1.69E-07
peak_11739	chr6	59829903	59830824	-18570	Intergenic	NM_001080701	slc32a1	9.007585613	6.756077413	2.2515082	1.02E-07
peak_12876	chr17	4095567	4095954	-10325	Intergenic	NM_001020655	napba	6.793603614	4.542301067	2.251302547	3.10E-07
peak_39880	chr3	2136662	2137141	-2399	Intergenic	NM_001020686_1	ddx47	2.471023015	0.219835396	2.25118762	0.01764
peak_27479	chr25	24877125	24877524	48670	Intergenic	NM_001003619	uevld	6.826986361	4.575810701	2.25117566	0.000919
peak_34125	chr5	37885341	37885800	43281	intron (NM_131805, intron 2 of 4)	NM_131805	efnb1	5.798979201	3.547868387	2.251110814	0.005682
peak_36453	chr10	12098838	12099127	36245	intron (NM_001004502, intron 1 of 2)	NM_001004502	lpar1	5.901690687	3.650709998	2.250980689	0.009448
peak_12131	chr24	25774432	25774851	-24722	Intergenic	NM_001202492	si:dkey-11p10.10	7.60603228	5.35543753	2.25059475	1.52E-07
peak_35031	chr1	51603720	51604034	27772	Intergenic	NM_001017703	srd5a2a	5.703658466	3.45323446	2.250424006	0.006912
peak_27364	chr12	2345144	2345370	-187894	Intergenic	NM_131643	sox9a	4.230507512	1.980098926	2.250408586	0.00088
peak_25723	chr19	40044685	40045092	73932	Intergenic	NM_212579	col9a2	6.315695037	4.065889216	2.249805822	0.0005
peak_32310	chr3	36991865	36992519	85177	Intergenic	NM_200908	tubg1	7.71377226	5.464127975	2.249644285	0.003699
peak_23327	chr20	34733688	34734082	2251	exon (NM_001045121, exon 2 of 4)	NM_001045121	si:ch211-63o20.7	5.768556818	3.519039063	2.249517755	0.000192
peak_12898	chr3	43641350	43643244	8541	intron (NM_001002044, intron 1 of 2)	NM_001002044	mafk	10.25784919	8.008477575	2.24937161	3.16E-07
peak_24492	chr15	28189273	28189636	67347	Intergenic	NM_001030235	eml2	6.609532951	4.36026534	2.24926761	0.000315
peak_12828	chr24	24584802	24585324	-2625	Intergenic	NM_213033	ndufb4	7.277994328	5.028834671	2.249159657	2.97E-07
peak_29129	chr14	36178036	36178436	68676	Intergenic	NM_001007108	il12ba	6.327289196	4.078152799	2.249136398	0.001573
peak_30200	chr5	1471774	1472208	35222	intron (NM_212768, intron 5 of 5)	NM_212768	mbd2	4.118298658	1.869168781	2.249129878	0.002145
peak_18572	chr3	17052680	17053050	-128354	Intergenic	NM_001077392	hcrt	7.078071659	4.829014692	2.249056967	1.85E-05
peak_19237	chr5	66037632	66037921	-176017	Intergenic	NM_001039813	adora2b	6.166609624	3.918051753	2.248557871	2.68E-05
peak_8185	chr1	23931551	23932204	102574	Intergenic	NM_001130587	tmem154	9.320053773	7.07150043	2.248553343	1.31E-09
peak_31176	chr10	1775226	1775681	-30353	intron (NM_131223, intron 22 of 23)	NR_036690		4.853744326	2.605215848	2.248528478	0.002738
peak_21677	chr9	18435971	18436552	-136623	Intergenic	NM_001128338	vwa8	7.288612763	5.040421102	2.248191661	9.31E-05
peak_12928	chr11	30803695	30804434	9339	intron (NM_001002550, intron 3 of 8)	NM_001002550	pir	7.689951554	5.441780127	2.248171426	3.25E-07
peak_30902	chr15	21416026	21416740	19281	Intergenic	NM_001271624	tmem136a	7.455095326	5.207062465	2.248032861	0.002555
peak_26819	chr6	52424637	52424996	93383	Intergenic	NM_001076755	uqcc1	6.273035958	4.025189186	2.247846772	0.000734
peak_26354	chr12	13127272	13127774	371332	Intergenic	NM_001114932_1	wapalb	4.033337828	1.785912395	2.247425433	0.000621
peak_32590	chr5	9500789	9501060	-17280	Intergenic	NM_001128740	kcnv2b	5.384042612	3.136657048	2.247385564	0.003968
peak_38512	chr9	33254781	33255458	43215	Intergenic	NM_001017747	coq10b	2.467052111	0.219835396	2.247216716	0.014016
peak_15015	chr5	18932477	18933282	-421148	Intergenic	NM_001004640	atad1a	7.867360864	5.620478346	2.246882518	1.82E-06
peak_32452	chr8	5816183	5816531	49316	Intergenic	NM_200346	diabloa	5.746973874	3.500328671	2.246645203	0.003843
peak_11195	chr12	39003047	39003598	-165807	Intergenic	NM_001040355	pmp22b	8.589361067	6.342874836	2.246486232	5.99E-08
peak_14749	chr10	35375484	35375899	255527	Intergenic	NM_001114706_1	zgc:174193	6.450067432	4.203638929	2.246428503	1.51E-06
peak_27024	chr12	20357414	20357634	-44246	Intergenic	NM_212747	csnk1e	4.773790299	2.52737172	2.246418579	0.000783
peak_27447	chr16	17978167	17978759	-210693	Intergenic	NM_153650	has2	4.375563276	2.129251338	2.246311938	0.000909
peak_6921	chr18	44344859	44345870	-26066	Intergenic	NM_201026	ap2m1b	10.16075901	7.914465869	2.246293137	1.47E-10
peak_10943	chr24	36619784	36620303	-58378	Intergenic	NM_001030067	pcmtd1	8.184154637	5.938257754	2.245896882	4.60E-08
peak_23518	chr25	7633094	7633399	5922	exon (NM_001089334, exon 3 of 9)	NM_001089334	hmg20a	6.075446821	3.82968601	2.245760811	0.000208
peak_23120	chr12	23271808	23272067	232228	Intergenic	NM_001020680	mrpl27	5.616508912	3.371183915	2.245324997	0.000178
peak_38937	chr22	1311553	1312086	-82888	Intergenic	NM_001089571	zgc:162358	2.935977657	0.691124799	2.244852858	0.015094
peak_31148	chr19	21994272	21994577	103418	Intergenic	NM_001042746	tshz1	5.215166359	2.970792601	2.244373758	0.002722
peak_13153	chr8	1705982	1706400	125146	Intergenic	NM_205739	dgcr6	6.396653674	4.152283222	2.244370453	4.08E-07
peak_41080	chr6	25977863	25979206	-44158	Intergenic	NM_001037227	dzip1l	4.474109464	2.229879429	2.244230035	0.021644

peak_18924	chr15	2800978	2801470	-6096	Intergenic	NM_182873	tgfb1a	6.119229348	3.875026337	2.244203011	2.27E-05
peak_12684	chr7	22924128	22924969	-31436	Intergenic	NM_001077144	tmem88b	7.78002885	5.536000938	2.244027912	2.59E-07
peak_35181	chr12	36540115	36540487	-108389	Intergenic	NM_001256248	tbccl	5.783824918	3.540068206	2.243756712	0.007162
peak_41316	chr12	48094443	48095544	-33755	Intergenic	NM_001098781	lhpp	6.49788714	4.254263359	2.243623782	0.022356
peak_25058	chr10	28684421	28684811	26181	exon (NM_001020542, exon 14 of 25)	NM_001020542	ints2	6.561336608	4.317785939	2.243550669	0.000396
peak_33249	chr11	34325881	34326771	128505	Intergenic	NM_001024389	lims1	7.631463179	5.388191709	2.24327147	0.004648
peak_13433	chr17	26748620	26749250	19332	intron (NM_001005392, intron 3 of 5)	NM_001005392	rcan3	7.777313868	5.534284656	2.243029212	5.24E-07
peak_26106	chr11	22825182	22825508	81392	intron (NM_001199491, intron 3 of 17)	NM_001199491	foxp4	6.325903537	4.083180834	2.242722703	0.000571
peak_8437	chr3	41836921	41837492	-51246	Intergenic	NM_001003430	grifin	8.809215724	6.566648595	2.242567128	1.93E-09
peak_23271	chr5	14302256	14302584	-13458	Intergenic	NM_001003780	ypel1	5.843015081	3.600819266	2.242195815	0.000188
peak_8055	chr15	8464795	8465670	-4028	Intergenic	NM_001128700	tmem160	9.18282678	6.940920061	2.24190672	1.05E-09
peak_9749	chr7	28962738	28963282	3012	intron (NM_001017815, intron 1 of 5)	NM_001017815	rras2	7.782932575	5.541037446	2.241895129	1.16E-08
peak_20929	chr23	26024383	26024768	28431	intron (NM_001003541, intron 2 of 13)	NM_001003541	rbms2b	7.07381577	4.831970095	2.241845674	6.48E-05
peak_15629	chr16	17876928	17877382	-109385	Intergenic	NM_153650	has2	7.304595811	5.062838266	2.241757545	2.87E-06
peak_30841	chr5	26364007	26364630	16919	intron (NM_001122748, intron 1 of 13)	NM_001122748	si:ch211-106a19.	7.658458187	5.416734207	2.24172398	0.002522
peak_12494	chr2	765768	766387	104317	Intergenic	NM_131728	foxc1a	7.755461518	5.513792852	2.241668666	2.17E-07
peak_40748	chr11	5068814	5069217	-244339	Intergenic	NM_001077310		6.116361525	3.87518377	2.241177754	0.02038
peak_27124	chr13	48087419	48087818	54956	Intergenic	NM_205625	lhcgr	6.540425764	4.299258842	2.241166922	0.000811
peak_35186	chr13	27971302	27971707	-21322	Intergenic	NM_001013529	asrgl1	5.830661017	3.589852469	2.240808547	0.007169
peak_26025	chr24	24518078	24518747	32150	Intergenic	NM_131384	arxa	8.369464001	6.128752705	2.240711296	0.000554
peak_32465	chr21	41392881	41393163	27846	intron (NM_001020512, intron 10 of 13)	NM_001020512	dpysl3	5.12524457	2.884822533	2.240422037	0.00386
peak_34707	chr2	52972555	52972820	41885	exon (NM_001045238, exon 9 of 14)	NM_001045238	zgc:136336	5.462600828	3.222190681	2.240410147	0.006441
peak_10876	chr11	45604289	45606865	36582	Intergenic	NM_214752	irf2bp2b	10.25319737	8.012934626	2.240262747	4.31E-08
peak_28899	chr20	2563660	2564047	48901	intron (NM_001003990, intron 19 of 28)	NM_001003990	med23	3.50251599	1.262307636	2.240208355	0.001467
peak_35479	chr4	9829862	9830394	43809	Intergenic	NM_001290178	stab2	5.756765819	3.516862633	2.239903186	0.00762
peak_30708	chr21	34970260	34970844	-158807	Intergenic	NM_001001816	sgcd	6.649359204	4.409552292	2.239806912	0.002431
peak_12096	chr4	17204463	17205028	64850	intron (NM_001100017, intron 1 of 25)	NM_001100017	anks1b	8.199075027	5.959318756	2.239756271	1.46E-07
peak_10589	chr6	34941402	34941835	12919	intron (NM_001113506, intron 9 of 12)	NM_001113506	il23r	7.516801378	5.277121879	2.239679499	3.03E-08
peak_14830	chr1	4967751	4968190	-30878	Intergenic	NM_001145693	abcb6a	7.131521	4.891974452	2.239546548	1.61E-06
peak_37026	chr16	3721159	3721454	66723	Intergenic	NM_001076754	zgc:152945	2.459077363	0.219835396	2.239241967	0.010615
peak_28274	chr9	49757563	49757971	-9642	intron (NM_199609, intron 4 of 4)	NM_198069	rdh1	6.015056485	3.775916253	2.239140233	0.0012
peak_17550	chr5	16273959	16274980	13675	intron (NM_001128246, intron 1 of 13)	NM_001128246	sc:d411	8.53497254	6.295833516	2.239139024	1.01E-05
peak_24935	chr9	44069302	44069877	216511	Intergenic	NM_182881	sestd1	6.6904714	4.451798614	2.238672787	0.000379
peak_10630	chr6	761918	762401	-153278	Intergenic	NM_001114903	cyth4b	7.201471412	4.962836203	2.23863521	3.23E-08
peak_12424	chr14	19603241	19603887	-4052	Intergenic	NM_001020594	neurl1b	8.768159338	6.529689361	2.238469978	2.05E-07
peak_31802	chr25	35691186	35691894	4008	intron (NM_001076772, intron 1 of 1)	NM_001076772	klf13	7.445126042	5.206665374	2.238460669	0.003265
peak_42629	chr10	42179840	42180490	4960	intron (NM_001013481, intron 3 of 4)	NM_001013481	zgc:113625	6.968839846	4.730833839	2.238006008	0.026967
peak_18182	chr2	35267286	35267610	20401	intron (NM_131036, intron 3 of 14)	NM_131036	tnw	6.315418998	4.077496875	2.237922123	1.51E-05
peak_31599	chr20	36233840	36234101	-102136	Intergenic	NM_001030185	ptchd4	6.034009036	3.796089284	2.237919752	0.003082
peak_39458	chr3	60348042	60348659	39542	intron (NM_213461, intron 3 of 5)	NM_205564	cdr2l	5.698587205	3.460724882	2.237862323	0.01646
peak_23844	chr3	29640955	29641320	-20825	Intergenic	NM_001002061	rac2	6.587244203	4.349669204	2.237574999	0.000241
peak_12086	chr15	31178381	31179008	20339	Intergenic	NM_001110394	brca2	7.402008448	5.164524352	2.237484095	1.45E-07
peak_33136	chr5	23937413	23937735	20871	intron (NM_001004296, intron 2 of 13)	NM_001004296	msna	4.314866759	2.077505579	2.23736118	0.004542
peak_20471	chr9	15262226	15262757	438380	Intergenic	NM_131520	fn1a	7.920180838	5.682861379	2.237319459	5.23E-05
peak_29451	chr8	55512147	55512742	17933	TTS (NM_001001400)	NM_001001400	actr8	5.162589511	2.925439939	2.237149572	0.00173
peak_22735	chr20	10007904	10008485	-1604	Intergenic	NM_001020738	stxbp6l	7.267187744	5.03008207	2.237105674	0.00015
peak_34408	chr1	58958429	58958797	-160417	Intergenic	NM_001145592	caspbl	2.722150645	0.48510786	2.237042785	0.006065
peak_28974	chr2	8247800	8248391	147921	Intergenic	NM_001128395	si:ch211-71m22.	7.270751483	5.033827771	2.236923712	0.001498
peak_36728	chr10	26779861	26780279	18349	intron (NM_001080168, intron 5 of 11)	NM_001080168	trim3b	3.567117871	1.330227956	2.236889914	0.009967
peak_15713	chr19	29117906	29118409	92428	Intergenic	NR_105066		7.342835926	5.105965374	2.236870551	3.08E-06
peak_9536	chr7	10202013	10203414	95857	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	9.943880681	7.707172368	2.236708313	8.79E-09
peak_31871	chr24	15331068	15331672	220769	Intergenic	NM_001098738	cbln2b	6.59638815	4.359979323	2.236408827	0.003329
peak_11326	chr6	24523049	24523724	241626	Intergenic	NM_001024224	cygb2	7.768965948	5.532563381	2.236402567	6.84E-08
peak_27459	chr4	20607739	20608190	-19643	Intergenic	NM_001076732	rps16	6.851618492	4.615237232	2.23638126	0.000912
peak_36321	chr16	12841569	12842001	-104491	Intergenic	NM_131390	gsk3ab	4.72962806	2.493469792	2.236158268	0.009175
peak_24572	chr2	3165376	3165705	19571	intron (NM_001113597, intron 13 of 15)	NM_001045425	adipoqb	5.407084371	3.171161283	2.235923088	0.000327
peak_14648	chr14	4984847	4985362	-287467	Intergenic	NM_001017822_1	zgc:110204	8.025844578	5.790007314	2.235837264	1.40E-06
peak_30446	chr20	47692454	47692883	70861	Intergenic	NM_001002566	rab10	6.777213648	4.541413471	2.235800177	0.002279
peak_11653	chr18	42878243	42878685	65074	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	7.573432156	5.337737832	2.235694324	9.48E-08
peak_18153	chr7	68234333	68234728	104745	Intergenic	NM_001110471	parvab	6.246573091	4.011353384	2.235219706	1.49E-05
peak_18466	chr14	8630797	8631136	-34522	Intergenic	NM_001082979	zgc:162144	6.761064461	4.526031761	2.2350327	1.75E-05
peak_17026	chr14	37324161	37324748	-122151	Intergenic	NM_130975	pitx2	6.974980024	4.740276073	2.23470395	7.12E-06
peak_21351	chr14	543760	544278	9078	intron (NM_212882, intron 9 of 12)	NM_001122600	spry1	6.590683305	4.356186633	2.234496673	7.93E-05
peak_10097	chr16	40942247	40942945	89	promoter-TSS (NM_001128394)	NM_001128394	bnipl	7.789827427	5.555606679	2.234220748	1.74E-08
peak_15765	chr15	29633161	29633464	-58488	intron (NM_001113485, intron 4 of 11)	NM_001159983	lyrm9	5.838389091	3.604667048	2.233722043	3.21E-06
peak_34730	chr22	18896338	18897167	73843	Intergenic	NM_207052	midn	2.718814869	0.48510786	2.233707009	0.00646
peak_21384	chr9	48351650	48352012	-460718	Intergenic	NM_001126463	igfbp5a	5.8017178	3.56855391	2.233163889	8.09E-05
peak_17634	chr25	13926895	13927354	-3089	Intergenic	NM_200833	snrkb	7.407990836	5.174837246	2.23315359	1.08E-05
peak_31494	chr7	70316295	70316752	20474	intron (NM_200529, intron 3 of 4)	NM_200529	marveld3	6.337384547	4.104259702	2.233124845	0.002987
peak_21046	chr22	14118629	14119407	-3277	Intergenic	NM_001017749	arl4ca	7.183398533	4.950564221	2.232834312	6.86E-05
peak_10798	chr6	52689461	52690406	-13455	Intergenic	NM_200357	oser1	9.034775999	6.80219579	2.232580209	3.86E-08
peak_18381	chr5	35874288	35874835	-71548	Intergenic	NM_001128543	LOC567525	7.166159388	4.933640808	2.23251858	1.68E-05
peak_24383	chr15	13444575	13445008	110236	Intergenic	NM_201179	sars2	6.071529195	3.839848028	2.231681167	0.000303
peak_24247	chr12	33850314	33850667	3978	intron (NM_001197059, intron 3 of 3)	NM_001197059	hlfb	5.966556346	3.735299207	2.231257139	0.000287
peak_21911	chr7	52180716	52181364	-96605	Intergenic	NM_212439	per1b	8.035360294	5.804248552	2.231111742	0.000105
peak_30036	chr12	44906893	44907314	-130415	Intergenic	NM_001110011_1	dock1	6.00034348	3.769272285	2.231071195	0.002044
peak_20673	chr24	9558682	9559503	61569	Intergenic	NM_001199738	topbp1	8.648392448	6.417611941	2.230780507	5.80E-05
peak_37624	chr20	54705742	54706078	17739	Intergenic	NM_205653	znf410	2.705394096	0.474639816	2.23075428	0.011884
peak_26003	chr16	9117836	9118297	-89640	Intergenic	NM_001030206	ano10a	7.192162615	4.961602165	2.23056045	0.00055
peak_28024	chr19	7027441	7028003	-19887	Intergenic	NM_131684	atp1a3a	7.067099547	4.836555108	2.230544439	0.001112
peak_18595	chr2	55851776	55852061	11769	exon (NM_201465, exon 9 of 10)	NM_201465	calr3b	6.143745093	3.913432806	2.230312287	1.88E-05
peak_27334	chr4	40527094	40527463	-389172	Intergenic	NM_001100956	si:dkeyp-4c4.1	3.92580277	1.6959635	2.229839269	0.000871
peak_28565	chr6	40406461	40406802	8232	Intergenic	NM_001288657	im:7136940	6.010630185	3.781117596	2.229512589	0.001318
peak_14418	chr11	46253713	46255814	19673	intron (NM_001082993, intron 6 of 16)	NM_001082993	sos1	9.374359342	7.144915133	2.229444209	1.18E-06
peak_29924	chr15	31787808	31788177	16734	Intergenic	NM_200860	arl4aa	5.471080849	3.241783859	2.22929699	0.001982
peak_31308	chr12	26309146	26309794	29021	intron (NM_001017555, intron 2 of 5)	NM_001017555	foxn2b	7.120177878	4.891008402	2.229169476	0.002853
peak_34051	chr13	29159174	29159659	149955	Intergenic	NM_001020523	nsmce4a	7.179737166	4.950781956	2.22895521	0.005588
peak_8506	chr2	56976321	56977240	25862	TTS (NM_200458)	NM_200458	eef2b	9.263242825	7.034501454	2.228741371	2.12E-09
peak_16445	chr10	12155819	12156233	-20799	Intergenic	NM_001004502	lpar1	6.953280209	4.724959017	2.228321192	5.07E-06
peak_33741	chr2	9924915	9925243	1837	intron (NM_001100029, intron 3 of 6)	NM_001100029	si:ch73-252g14.4	4.716307966	2.488275513	2.228032453	0.005197
peak_33644	chr21	35304250	35304582	28945	Intergenic	NM_001007217	gpr34l	3.834563943	1.606593419	2.227970524	0.005082
peak_27223	chr12	37279407	37279882	-48487	Intergenic	NM_200236	unk	6.9550533	4.727322474	2.227730826	0.000839
peak_14257	chr8	49299258	49300018	8501	TTS (NM_001126457)	NM_131620	ybx1	8.204385684	5.976813951	2.227571734	1.03E-06
peak_24487	chr17	46006382	46006898	30971	Intergenic	NR_029933		7.649487875	5.421973562	2.227514314	0.000314
peak_13095	chr16	15198367	15199014	22735	exon (NM_001007444, exon 7 of 10)	NM_001007444	zgc:101640	8.100800825	5.873990016	2.226810808	3.87E-07
peak_24703	chr3	5739074	5739587	50248	Intergenic	NM_001002476	polr3h	5.608870477	3.382254937	2.22661554	0.000345
peak_8051	chr5	71416541	71417169	50847	Intergenic	NM_001168464	tnfsf13	8.640837407	6.414409645	2.226427763	1.05E-09
peak_35768	chr21	25388481	25388821	33047	Intergenic	NM_200039	sdf2	5.356339706	3.130207059	2.226132646	0.008151
peak_14448	chr11	43368108	43369206	153881	Intergenic	NM_001077254	slmapa	8.477212445	6.251394857	2.225817588	1.21E-06
peak_29628	chr11	12598332	12599165	-18122	Intergenic	NM_001111152	zgc:174354	5.069912799	2.844243881	2.225668918	0.001819
peak_9397	chr19	50158442	50159337	40917	intron (NM_001040330, intron 2 of 8)	NM_001033754	zgc:114119	9.124007475	6.898361768	2.225645707	7.35E-09
peak_27806	chr6	22300746	22301272	-32550	Intergenic	NM_200704	aanat1	5.098504519	2.872889975	2.225614545	0.001032
peak_14570	chr12	46530589	46530974	90654	Intergenic	NM_212942	fbxl15	6.921285514	4.695712308	2.225573207	1.31E-06
peak_33588	chr23	23829134	23829431	49282	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	5.588400367	3.362881446	2.225518921	0.005011
peak_18190	chr1	28623467	28624110	14178	intron (NM_001128244, intron 1 of 15)	NM_001128244	si:dkey-1h24.3	5.7428742	3.517413235	2.225460965	1.52E-05

peak_11512	chr20	48478054	48478786	-66459	Intergenic	NM_001025546	tfap2d	7.988405205	5.763240904	2.225164301	8.31E-08
peak_11726	chr23	3096236	3097789	171447	Intergenic	NM_001089467	zgc:158828	9.720053002	7.494914055	2.225138947	1.01E-07
peak_21252	chr6	58926518	58927220	-49221	Intergenic	NM_200076	mars	7.912058499	5.687017257	2.225041242	7.57E-05
peak_16827	chr13	15368810	15369277	16667	Intergenic	NM_001089342	loxl3b	6.59638815	4.371714675	2.224673475	6.38E-06
peak_21191	chr11	14469949	14470238	29194	exon (NM_001017859, exon 2 of 7)	NM_001017859	palm1a	6.146833158	3.922371323	2.224461835	7.39E-05
peak_29595	chr4	7558904	7559520	11241	intron (NM_130937, intron 1 of 5)	NM_001015043	fbxl14b	7.421549829	5.197327163	2.224222666	0.001801
peak_13943	chr22	32610745	32611555	1397	exon (NM_212565, exon 2 of 4)	NM_212565	dusp5	8.017269504	5.793279297	2.223990207	7.98E-07
peak_37588	chr5	18974826	18975233	-463298	Intergenic	NM_001004640	atad1a	6.243384413	4.019468776	2.223915637	0.011826
peak_13610	chr15	42431061	42431552	-47749	Intergenic	NM_214722	ctsc	7.974548133	5.750782663	2.22376547	6.08E-07
peak_18040	chr9	38166645	38167055	-27295	Intergenic	NM_130967	gli2a	7.084079648	4.860323865	2.223755784	1.39E-05
peak_26827	chr7	68773670	68774244	-305825	Intergenic	NM_001110471_1	parvab	6.321786659	4.098055929	2.223730731	0.000735
peak_24823	chr8	16029330	16029922	-207147	Intergenic	NM_001017814	spata6	6.603427806	4.379929566	2.22349824	0.000362
peak_12298	chr10	28391366	28392146	319041	Intergenic	NM_001020542	ints2	7.786228919	5.562843915	2.223385004	1.79E-07
peak_28529	chr1	50883950	50884305	61203	Intergenic	NM_001111209	dkk2	4.572725943	2.349848977	2.222876966	0.001301
peak_37426	chr16	582665	583216	-12806	Intergenic	NM_201057	irx2a	6.646741346	4.42419765	2.222543697	0.0115
peak_31199	chr16	8638040	8638759	24373	Intergenic	NM_199515	prdm1a	7.119061973	4.896626361	2.222435611	0.002761
peak_27359	chr21	39038135	39038501	-681	promoter-TSS (NM_131742)	NM_131742	or115-1	6.787833233	4.565433659	2.222399574	0.00088
peak_23129	chr16	21759071	21759417	-61037	Intergenic	NM_001017820	twist1b	5.420010088	3.197796563	2.222213525	0.000179
peak_34439	chr20	28302904	28303329	6574	exon (NM_001045119, exon 35 of 36)	NM_001110126	chac1	6.654618905	4.432494821	2.222124084	0.00611
peak_22005	chr13	34907779	34908074	-5181	Intergenic	NM_001100953	tasp1	5.88351378	3.66143867	2.22207511	0.000109
peak_17653	chr11	3802853	3803284	-111756	Intergenic	NM_001020588	itih3a	7.514278128	5.292353396	2.221924732	1.10E-05
peak_9549	chr9	39872475	39873183	92023	Intergenic	NM_001105135	tas2r3	9.533099019	7.311322106	2.221776913	8.94E-09
peak_28531	chr10	32260465	32260964	25747	Intergenic	NM_200398	tmem218	7.644862256	5.42331349	2.221548766	0.001301
peak_25634	chr6	8557232	8557538	-4509	Intergenic	NM_001111249	LOC100006122	5.332466203	3.111002982	2.221463221	0.000485
peak_34756	chr8	55696364	55696876	11810	intron (NM_131212_1, intron 3 of 3)	NM_131084	rho	4.451058288	2.229879429	2.221178858	0.006502
peak_31330	chr10	38316534	38316850	-161542	Intergenic	NM_001077461	cuedc1a	5.493271866	3.272103593	2.221168273	0.002868
peak_29660	chr24	41240783	41241686	11436	TTS (NM_199674)	NM_199674	stub1	7.299145472	5.0780346	2.221110871	0.001838
peak_24774	chr14	16879138	16879594	597496	Intergenic	NM_001044746	cnga5	7.131521	4.910805211	2.220715789	0.000356
peak_24956	chr21	33429975	33430622	193782	intron (NM_152955, intron 3 of 13)	NM_152955	dacha	6.957521653	4.736978692	2.22054296	0.000381
peak_28561	chr17	49471308	49471632	24148	intron (NM_212727, intron 17 of 19)	NM_212727	orc3	6.879576304	4.659311966	2.220264338	0.001316
peak_24635	chr5	75164396	75164740	-37303	Intergenic	NM_178291	oxt	5.879389575	3.659143386	2.220246189	0.000335
peak_39724	chr14	14963748	14964176	-5440	Intergenic	NM_001039922	slc43a3b	3.700328943	1.480260375	2.220068568	0.017207
peak_13520	chr3	26062696	26063103	23849	intron (NM_001017538, intron 3 of 11)	NM_001017538	nubp1	7.092338931	4.872493993	2.219844938	5.64E-07
peak_10039	chr21	26645281	26646402	-49967	Intergenic	NM_205654	zgc:77262	9.776221305	7.556511136	2.219710169	1.63E-08
peak_14600	chr5	27526909	27527416	-89455	Intergenic	NR_029934		7.470089187	5.250417747	2.21967144	1.35E-06
peak_15282	chr15	20728845	20729223	22649	intron (NM_001005590, intron 11 of 14)	NM_001005590	ppp2r1b	6.712724589	4.493171601	2.219552988	2.23E-06
peak_36726	chr16	2789864	2790141	372001	Intergenic	NM_001162542	adcy3l	2.438945476	0.219835396	2.21911008	0.009967
peak_36727	chr16	39188134	39188600	-16358	Intergenic	NM_001200061	LOC100005807	2.438945476	0.219835396	2.21911008	0.009967
peak_14630	chr2	36727233	36728699	36413	intron (NM_001002397, intron 2 of 3)	NM_001002397	gng7	9.951780615	7.732692617	2.219087998	1.38E-06
peak_31615	chr1	28255369	28255764	56890	Intergenic	NM_001103123	lig4	4.148365674	1.929490523	2.218875151	0.003094
peak_11230	chr25	36470787	36471505	-64287	Intergenic	NM_001003427	psma1	7.626026404	5.407211868	2.218814536	6.20E-08
peak_24803	chr7	52337069	52337545	32399	Intergenic	NM_205596	ankrd46b	6.196983115	3.978187649	2.218795466	0.00036
peak_30313	chr9	21997846	21998130	103328	Intergenic	NM_153664	tbx15	3.229335828	1.010874013	2.218461815	0.002203
peak_17942	chr2	37832901	37833435	-4756	Intergenic	NM_001243318	cbln12	6.996722722	4.778299771	2.218422951	1.32E-05
peak_31603	chr16	55012684	55013174	21144	intron (NM_001082926, intron 1 of 1)	NM_001082926	si:ch211-107n13.	6.988751465	4.770341532	2.218409933	0.003084
peak_16736	chr25	25442449	25442655	-305110	Intergenic	NM_001002089_1	tsg101a	5.866989699	3.648692667	2.218297031	6.07E-06
peak_19390	chr25	1623782	1624513	-26495	Intergenic	NM_001077455	ppm1h	7.243666121	5.025382757	2.218283365	2.92E-05
peak_18697	chr10	18952035	18952660	10953	intron (NM_205571, intron 1 of 6)	NM_205571	bnip3lb	8.553922765	6.335743538	2.218179227	1.99E-05
peak_39103	chr14	19537213	19537639	62086	Intergenic	NM_001020594	neurl1b	3.785888587	1.567723154	2.218165433	0.015537
peak_18206	chr20	18402685	18403000	10759	Intergenic	NM_001025547	si:ch211-20b12.2	6.399796886	4.181669237	2.218127649	1.53E-05
peak_24874	chr18	18839771	18840131	35901	exon (NM_001080989, exon 19 of 28)	NM_001080989	dennd4a	5.352577963	3.13467193	2.217906033	0.000371
peak_11621	chr14	41076041	41076848	-548884	Intergenic	NM_131782	glra4a	8.787332803	6.569442678	2.217890124	9.22E-08
peak_23781	chr20	2314381	2314815	55231	Intergenic	NM_001044800	tmem200a	5.640117977	3.422264106	2.217853871	0.000234
peak_10935	chr20	26764274	26764887	32598	intron (NM_001102475, intron 7 of 10)	NM_131729	foxc1b	7.700372983	5.48257768	2.217795302	4.54E-08
peak_36770	chr2	3874720	3875065	22300	Intergenic	NM_001045437	snap47	5.965853003	3.748102114	2.217750888	0.010059
peak_33243	chr9	36345516	36345907	264523	intron (NM_131830, intron 1 of 16)	NM_131830	ncam2	5.741207085	3.523474406	2.217732679	0.004643
peak_10208	chr3	29661787	29662804	333	intron (NM_001002061, intron 1 of 6)	NM_001002061	rac2	9.191446109	6.973775003	2.217671106	1.96E-08
peak_9038	chr7	45759384	45759944	22596	Intergenic	NM_200499	nae1	7.988929613	5.771381784	2.217547829	4.43E-09
peak_15159	chr24	7764173	7764525	13438	intron (NM_001114549, intron 1 of 1)	NM_001114549	ptrfb	7.111590755	4.894393448	2.217197307	2.03E-06
peak_23789	chr19	25610795	25611038	-11591	Intergenic	NM_213181	ptp4a3	4.821359569	2.604338131	2.217021438	0.000235
peak_10933	chr5	72237852	72238367	61246	Intergenic	NM_001025178	isca1	9.40077489	7.183778405	2.216996485	4.54E-08
peak_39307	chr10	11986856	11987715	147942	Intergenic	NM_001004502	lpar1	2.702019304	0.48510786	2.216911444	0.016095
peak_39308	chr14	25791843	25792230	-31239	Intergenic	NM_131736	slit3	2.702019304	0.48510786	2.216911444	0.016095
peak_32295	chr6	51298479	51298882	226114	Intergenic	NM_001130610	rbl1	5.804474159	3.587767297	2.216706863	0.003686
peak_22612	chr3	40389673	40390079	79684	Intergenic	NM_001080572	slc29a4	6.102632309	3.886473099	2.21615921	0.000142
peak_15999	chr20	3011203	3012405	25620	3' UTR (NM_001161601, exon 9 of 9)	NM_001128330	ppil4	8.041140881	5.825062072	2.216078808	3.77E-06
peak_31296	chr5	2899511	2900217	101402	Intergenic	NM_201167	hpda	5.971470171	3.75543805	2.216032121	0.002847
peak_11631	chr3	10812395	10813607	-1641	Intergenic	NM_001130786	pctp	9.305497472	7.089787783	2.215709689	9.29E-08
peak_31343	chr23	16300969	16301346	-181485	Intergenic	NM_200736	mrgbp	4.050765939	1.83517185	2.215594089	0.002876
peak_15375	chr13	36875349	36876147	-34973	intron (NM_001122751, intron 8 of 23)	NM_001077552	dcaf5	8.527530348	6.312249391	2.215280957	2.37E-06
peak_37123	chr6	33864334	33864571	127744	Intergenic	NM_001114441	ap1m3	2.434885166	0.219835396	2.21504977	0.010824
peak_37122	chr1	11120207	11120522	-28613	Intergenic	NM_001008591_1	tspan5b	2.434885166	0.219835396	2.21504977	0.010824
peak_42542	chr7	66188859	66189596	-129690	Intergenic	NM_001099253_1	nadsyn1	3.782697136	1.567723154	2.214973982	0.026627
peak_20055	chr3	43239082	43239492	1632	intron (NM_200517, intron 1 of 8)	NM_200517	zfand2a	6.150587908	3.935700231	2.214887677	4.26E-05
peak_17175	chr17	32579787	32580900	-4560	Intergenic	NM_001077604	klf11b	8.435875389	6.221067301	2.214808088	7.88E-06
peak_28100	chr8	52752183	52752494	44603	Intergenic	NM_001034981_1	gfpt1	6.152134478	3.937422992	2.214711486	0.00114
peak_14282	chr16	51297233	51298118	307150	Intergenic	NM_001003763	eif3ha	8.24272708	6.028060288	2.214666792	1.05E-06
peak_17347	chr3	53201377	53201796	18550	exon (NM_001013537, exon 4 of 13)	NM_001013537	slc27a1a	6.651135839	4.436590078	2.214545761	8.79E-06
peak_36290	chr14	50081975	50082400	168334	intron (NM_001031842, intron 5 of 16)	NM_001031842	fstl5	6.177013837	3.962616274	2.214397563	0.009104
peak_13817	chr13	34111432	34112001	-60081	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	8.835739337	6.62154689	2.214192447	7.20E-07
peak_31768	chr14	3385038	3385808	-6164	Intergenic	NM_212836_1	cdx1a	7.545398051	5.331380407	2.214017644	0.003244
peak_36148	chr10	43235109	43235475	-43973	Intergenic	NM_205600	orai1b	5.913432374	3.699842503	2.213589871	0.008831
peak_24544	chr6	15586511	15586796	-33331	Intergenic	NM_001002133	trim63	6.435363689	4.222527803	2.212835886	0.000323
peak_23128	chr7	17693400	17693796	109648	Intergenic	NM_131158	dbx1a	6.653976819	4.441244554	2.212732265	0.000179
peak_34110	chr1	1870849	1871206	12700	intron (NM_001099998, intron 1 of 7)	NM_001161671	mbnl2	5.844928909	3.632345236	2.212583673	0.005657
peak_19840	chr4	17592822	17593140	-12246	Intergenic	NM_001045003	rint1	6.022197834	3.809872888	2.212324947	3.75E-05
peak_20068	chr18	37601619	37602413	21531	Intergenic	NM_001045552	mapk6	7.480612448	5.268287879	2.212324569	4.29E-05
peak_33047	chr7	36171692	36172190	-77568	Intergenic	NM_199272	esrp2	3.091390725	0.87932337	2.212067356	0.004443
peak_18004	chr19	40382083	40382701	411436	Intergenic	NM_212579	col9a2	8.062569225	5.85065837	2.211910855	1.37E-05
peak_15922	chr8	48376827	48377202	5248	intron (NM_001077211, intron 28 of 58)	NM_001006073	angptl7	7.161541782	4.949751266	2.211790516	3.55E-06
peak_25580	chr23	36820238	36820523	-76	promoter-TSS (NM_001080018)	NM_001080018	agap2	5.826017789	3.614451556	2.211566232	0.000477
peak_32364	chr7	49735851	49736226	-9712	Intergenic	NM_001080090	oaz2b	6.334406493	4.122855129	2.211551364	0.00375
peak_20963	chr15	19685760	19686257	6931	intron (NM_131403, intron 1 of 4)	NM_131403	tpst1	7.102001624	4.890857993	2.211143631	6.57E-05
peak_27939	chr6	59751684	59752033	16729	intron (NM_001002580_1, intron 1 of 3)	NM_001002580_1	pmepa1	6.246556198	4.035442628	2.21111357	0.001083
peak_7728	chr24	30665952	30667206	-339411	Intergenic	NM_001099258	lprp5b	10.183353	7.972271299	2.211081696	6.33E-10
peak_41605	chr14	46690520	46690794	304757	Intergenic	NM_001044886	si:ch211-240l14.:	5.350423983	3.139731335	2.210692648	0.023321
peak_35776	chr25	5461277	5461627	43766	Intergenic	NM_001258409_1	cmasb	3.424684114	1.214007405	2.21067671	0.008164
peak_18158	chr18	30141447	30141850	-230341	Intergenic	NM_001128400	si:ch73-103b9.2	7.724751364	5.514506465	2.210244899	1.49E-05
peak_16656	chr4	17305800	17306078	-36344	intron (NM_001100005, intron 14 of 20)	NM_001100017	anks1b	5.911972541	3.701752814	2.210219727	5.77E-06
peak_13867	chr20	41883461	41884061	74464	Intergenic	NM_001201561	LOC555548	8.927253951	6.717144214	2.210109737	7.49E-07
peak_35350	chr21	38675995	38677248	78080	intron (NM_131575, intron 7 of 14)	NM_131575_1	plrdgb	2.90091206	0.691124799	2.20978726	0.00741
peak_9474	chr17	9783911	9784507	10612	intron (NM_213310, intron 2 of 5)	NM_213310	egln3	8.316676853	6.106895075	2.209781778	8.06E-09
peak_30480	chr5	53785	54226	44973	intron (NM_001034985, intron 9 of 14)	NM_001034985	dcc	4.83374822	2.623995374	2.209752847	0.002302
peak_11341	chr16	52279476	52280176	232198	Intergenic	NM_001110524	brd2b	8.849553866	6.639837719	2.209716147	6.94E-08
peak_23905	chr7	1756242	1757120	15725	TTS (NM_001097584)	NM_200561_1		7.640228187	5.430664012	2.209564175	0.000247

peak_11187	chr13	24192227	24192828	-19816	Intergenic	NM_198063	agt	8.138821076	5.929478939	2.209342137	5.96E-08
peak_25014	chr13	40238293	40238498	152640	Intergenic	NM_001128272	zgc:171482	5.382989259	3.173656917	2.209332342	0.00039
peak_42772	chr21	28699565	28700798	-51446	Intergenic	NM_001007382	ttc1	5.511247402	3.302015329	2.209232073	0.027588
peak_10398	chr15	44396771	44397773	-6206	Intergenic	NM_200546_1	psmd2	8.237624544	6.028407814	2.20921673	2.43E-08
peak_20997	chr10	8138535	8138988	31574	intron (NM_001009560, intron 1 of 55)	NM_001009560	tln1	7.036365579	4.827192258	2.209173321	6.68E-05
peak_8215	chr18	35448620	35449338	-109997	Intergenic	NM_001044953	qpctla	9.641478716	7.433102412	2.208376304	1.37E-09
peak_22558	chr15	38192183	38192745	21189	intron (NM_131633, intron 1 of 29)	NM_131633	robo2	6.629250395	4.421010921	2.208239474	0.000139
peak_31173	chr2	15063654	15064008	81466	Intergenic	NM_001006023	tecrl2	6.89484958	4.687091363	2.207758218	0.002735
peak_30928	chr13	25159710	25160068	93142	intron (NM_001272084, intron 9 of 10)	NM_001110395	zgc:172281	4.048110285	1.84083476	2.207275525	0.002571
peak_21260	chr5	63853649	63854047	-9229	intron (NM_001089371, intron 3 of 4)	NM_200673	zfpl1	5.77097463	3.56371007	2.20726456	7.59E-05
peak_38714	chr17	49255175	49255611	151537	Intergenic	NM_001256221	LOC553223	2.426730103	0.219835396	2.206894707	0.01449
peak_12454	chr18	33791237	33792006	39370	Intergenic	NM_001077275	zgc:153119	8.719330507	6.512566971	2.206763535	2.10E-07
peak_23172	chr16	35263072	35263377	-47067	intron (NM_001077338, intron 1 of 14)	NM_001002212	prss35	6.16846266	3.961770613	2.206692047	0.000181
peak_8999	chr5	19118834	19119568	-439786	Intergenic	NM_001100015	chfr	8.812202385	6.605559464	2.206642921	4.21E-09
peak_27028	chr16	52385876	52386257	338438	Intergenic	NM_001110524	brd2b	6.602736129	4.39639019	2.206345939	0.000784
peak_25717	chr23	164374	164839	25983	Intergenic	NM_001077296	zgc:153351	5.92507927	3.718792719	2.206286551	0.000499
peak_18701	chr5	60290276	60290734	134282	Intergenic	NM_001076705	ccdc84	5.331952296	3.126060557	2.205891739	2.00E-05
peak_11658	chr14	19679188	19679727	10507	intron (NM_001029962, intron 1 of 11)	NM_001029962	ergic1	7.633034018	5.42717885	2.205855167	9.50E-08
peak_11979	chr16	53673061	53673500	33626	Intergenic	NM_001013522	lim2.5	7.152134478	4.946352241	2.205782237	1.32E-07
peak_12010	chr15	25099599	25100263	84080	Intergenic	NM_001002314	hic1	8.090162231	5.88456533	2.205596902	1.36E-07
peak_27273	chr11	42273215	42273739	-34596	Intergenic	NM_001083570	errfi1	7.198630446	4.993149146	2.2054813	0.000854
peak_28063	chr4	6763864	6764728	-4944	Intergenic	NM_001030108	elk3	8.384967503	6.179630001	2.205337501	0.001124
peak_26487	chr10	306840	307719	28271	intron (NM_131836, intron 4 of 5)	NM_001257340	mpzl1l	5.848367416	3.643329345	2.205038071	0.00065
peak_29567	chr4	29722003	29722352	77387	Intergenic	NM_001114486	zgc:174314	3.546567647	1.341793669	2.204773978	0.001794
peak_30517	chr13	46701611	46701868	-43375	Intergenic	NM_213133	marcksl1a	5.768153455	3.563421939	2.204731516	0.002319
peak_16923	chr9	53033159	53033457	-119657	Intergenic	NM_001076600	tank	5.404491329	3.20014929	2.204342039	6.75E-06
peak_29978	chr14	46769800	46770242	225393	Intergenic	NM_001044886	si:ch211-240l14.1	6.838976554	4.634676344	2.20430021	0.002016
peak_8157	chr13	49512063	49512854	-109861	Intergenic	NM_182860	msh6	9.41539815	7.211229616	2.204168534	1.23E-09
peak_36744	chr21	983583	984028	-123897	Intergenic	NM_201138	txnl1	6.005143752	3.801443347	2.203700405	0.00999
peak_21379	chr22	27493737	27494050	-6609	Intergenic	NM_001103139	hmox2a	6.013695992	3.810470739	2.203225253	8.07E-05
peak_20130	chr7	10395727	10396062	228987	Intergenic	NM_001044745	aldh1a3	6.139678861	3.936506756	2.203172105	4.44E-05
peak_33854	chr4	5863886	5864502	142716	intron (NM_001030082, intron 6 of 20)	NM_001159823	lyrm5a	7.136235541	4.933197694	2.203037847	0.00533
peak_40123	chr19	46937273	46937537	7721	intron (NM_001044748, intron 6 of 20)	NM_001044748	tbk1	2.42263522	0.219835396	2.202799824	0.018375
peak_40121	chr17	48316677	48317080	37770	Intergenic	NM_001013540	slc39a9	2.42263522	0.219835396	2.202799824	0.018375
peak_40122	chr19	40844656	40844987	-141566	Intergenic	NM_213278	sfpq	2.42263522	0.219835396	2.202799824	0.018375
peak_40124	chr20	1274218	1275256	-11832	intron (NM_001020510, intron 4 of 7)	NM_194423	ankrd6b	2.42263522	0.219835396	2.202799824	0.018375
peak_40120	chr14	47206623	47206999	124817	intron (NM_001076572, intron 1 of 9)	NM_001076572	atp8a1	2.42263522	0.219835396	2.202799824	0.018375
peak_32879	chr4	34898150	34898719	-83725	Intergenic	NM_001114927	zgc:174650	5.30822336	3.105430074	2.202793286	0.004256
peak_9443	chr18	35091839	35093184	-17110	Intergenic	NM_001007312	fosb	9.994338552	7.791616828	2.202721724	7.77E-09
peak_15057	chr5	36545698	36546128	-54303	Intergenic	NM_213129	ankra2	7.037202782	4.834577339	2.202625444	1.89E-06
peak_17837	chr14	51789448	51790559	67671	intron (NM_001017782_1, intron 14 of 17)	NM_001017782_1	dctn4	9.084444193	6.881861169	2.202583025	1.23E-05
peak_12389	chr20	51290703	51291384	-50030	intron (NM_001172400, intron 8 of 24)	NM_001177747	mpp5b	9.660962102	7.458495904	2.202466198	1.98E-07
peak_40163	chr7	33262242	33262545	4840	intron (NM_131595, intron 1 of 1)	NM_131595	bdnf	5.111282037	2.909201936	2.202080101	0.018507
peak_24614	chr6	30683296	30683663	233254	Intergenic	NM_001113376	lepr	4.847604011	2.645580105	2.202023906	0.000331
peak_14370	chr18	17503847	17504545	58480	intron (NM_001080030, intron 2 of 7)	NM_001080030	si:ch211-216l23.1	7.475549326	5.273755612	2.201793713	1.12E-06
peak_13050	chr2	42793255	42794408	-31683	Intergenic	NM_001202454	basp1	9.801971302	7.600275776	2.201695525	3.72E-07
peak_34157	chr9	22533556	22534120	-11517	Intergenic	NM_001126433	mphosph8	6.691748046	4.490104602	2.201643444	0.005708
peak_25714	chr16	30736567	30737272	-69672	Intergenic	NM_001199754	nmt2	7.388001167	5.186408234	2.201592933	0.000498
peak_19167	chr5	39116408	39116835	-1342	Intergenic	NM_001257141	ltbp3	6.857329416	4.656015309	2.201314107	2.59E-05
peak_34427	chr10	42293359	42293774	11842	intron (NM_001039812, intron 1 of 19)	NM_001039812	bmp1b	6.541384024	4.340144613	2.201239411	0.006086
peak_27013	chr1	21102299	21102614	83680	Intergenic	NM_201220	chrnb3a	5.664647767	3.463681382	2.200966385	0.000781
peak_10815	chr24	39380171	39381226	302	5' UTR (NM_001163897, exon 1 of 3)	NM_001163897	tmem204	9.847004535	7.646095589	2.200908946	3.94E-08
peak_28715	chr2	35457445	35457677	8695	Intergenic	NM_001020770	ankrd45	5.595264903	3.394672025	2.200592879	0.001375
peak_19251	chr15	20777310	20777626	62034	Intergenic	NM_001089487	zgc:162608	6.127447639	3.926918589	2.20052905	2.71E-05
peak_10066	chr20	8146564	8147611	385020	Intergenic	NM_001244756	bloc1s2	8.449372064	6.249133042	2.200239022	1.67E-08
peak_29749	chr23	21091691	21092129	-10	promoter-TSS (NM_001079964)	NM_001079964	zgc:154075	7.08879003	4.888816921	2.199973109	0.001889
peak_26707	chr19	17877335	17877685	29993	Intergenic	NM_131857	klf2b	6.069219889	3.869421528	2.199798361	0.000702
peak_11291	chr17	3932699	3933921	75454	intron (NM_001020655, intron 9 of 9)	NM_131359	bmp2a	9.122035912	6.922404118	2.199631794	6.58E-08
peak_36724	chr20	44077682	44078000	9026	intron (NM_212862, intron 2 of 5)	NM_212862	runx2b	5.992382185	3.79352981	2.198852375	0.009966
peak_11858	chr15	19414844	19415604	14720	Intergenic	NM_130944	dlc	9.408773014	7.210023448	2.198749565	1.16E-07
peak_27393	chr10	13856432	13856965	-120061	Intergenic	NM_001098242	cntfr	3.851417001	1.652791251	2.19862575	0.00089
peak_29609	chr7	48572382	48572932	-181832	Intergenic	NM_001195407	tshz3b	7.492654497	5.294218062	2.198436434	0.001807
peak_29241	chr7	22736684	22737244	-219020	Intergenic	NM_001077144	tmem88b	6.427196434	4.228804344	2.19839209	0.001633
peak_14054	chr7	52916236	52916984	-27572	Intergenic	NM_001044906	zgc:136763	8.759230997	6.561147259	2.198082838	8.85E-07
peak_30581	chr7	649223	650020	-28107	Intergenic	NM_001001839	rela	6.594114229	4.396334767	2.197779462	0.002357
peak_25975	chr8	20714911	20715212	19189	exon (NM_001126379, exon 8 of 15)	NM_001126379	acsbg2	5.780228892	3.582804277	2.197424615	0.000546
peak_27267	chr12	48050790	48051368	10159	TTS (NM_001098781)	NM_001098781	lhpp	5.339030839	3.141608128	2.19742271	0.000854
peak_15239	chr16	34649885	34650258	-31765	Intergenic	NM_001130601	mms22l	6.787435225	4.590088549	2.197346676	2.16E-06
peak_12090	chr1	53070984	53071374	58340	Intergenic	NM_001256635	tacr3l	7.096852495	4.89960509	2.197247404	1.45E-07
peak_29495	chr8	40923282	40923714	-393008	Intergenic	NM_001083829_1	pcsk5b	5.544684847	1.34754194	2.197142907	0.001754
peak_9961	chr2	49765342	49765797	164046	Intergenic	NM_001089323	abhd17aa	8.201106637	6.00429016	2.196816477	1.49E-08
peak_10811	chr17	45894995	45895762	6369	Intergenic	NM_001161375	arf6b	8.756278222	6.559516895	2.196761327	3.92E-08
peak_10704	chr23	15216918	15217446	-69379	Intergenic	NM_001004114	phf20b	7.801920605	5.605521543	2.196399062	3.48E-08
peak_20223	chr10	13128602	13129139	13840	intron (NM_001004503, intron 1 of 16)	NM_001004503	musk	6.294514995	4.098780273	2.195734722	4.64E-05
peak_39838	chr10	44038877	44039675	10911	Intergenic	NM_200539	stc1l	6.264734341	4.069020456	2.195713886	0.017539
peak_25143	chr10	36123240	36123682	8648	intron (NM_001020552, intron 2 of 4)	NM_001020552	zgc:110006	5.826017789	3.630419953	2.195597835	0.000408
peak_30500	chr12	3068079	3069956	-141054	Intergenic	NM_001171589	gdf10b	3.559678887	1.364242094	2.195436793	0.002312
peak_23112	chr12	11860915	11861315	158858	Intergenic	NM_001003834	top2a	4.678930464	2.483508008	2.195422456	0.000177
peak_9905	chr2	33172687	33173349	56	promoter-TSS (NM_001014308)	NM_001014308	ccdc24	8.390831974	6.195750217	2.195081757	1.41E-08
peak_13366	chr18	3808895	3809534	499787	Intergenic	NM_200555	pdcd10a	8.381221519	6.186229091	2.194992428	4.98E-07
peak_29091	chr23	41464416	41464780	-295188	Intergenic	NM_001139458	si:dkey-194e6.1	5.846053691	3.651116725	2.194936967	0.001554
peak_40674	chr1	47196895	47197290	6633	intron (NM_201320, intron 1 of 16)	NM_201320	kpna3	6.624578824	4.429667418	2.194911407	0.020177
peak_11089	chr13	2865179	2865688	-20958	Intergenic	NM_001161598	si:ch211-239i4.3	8.140151075	5.945479145	2.19467193	5.41E-08
peak_41176	chr13	29987139	29987402	-7291	Intergenic	NM_131184	pax2a	5.103629114	2.909201936	2.194427178	0.021931
peak_29797	chr24	4243779	4244114	-17354	Intergenic	NM_201461	klf6a	6.199677769	4.005336691	2.194341078	0.001915
peak_24822	chr24	37123184	37123446	64012	Intergenic	NM_131887	cebpd	6.169361555	3.975055151	2.194306404	0.000362
peak_12001	chr18	29425482	29425912	73488	Intergenic	NM_131844	maf	7.31030271	5.116023512	2.194279198	1.35E-07
peak_26740	chr11	182468	183270	-7643	Intergenic	NM_001114412	zgc:172352	4.335768134	2.141625129	2.194143006	0.000712
peak_10625	chr1	48046937	48047379	-35650	Intergenic	NM_001160022	sh3pxd2aa	7.977604276	5.783779142	2.193825134	3.22E-08
peak_17459	chr15	31206909	31207284	48741	Intergenic	NM_001110394	brca2	6.625024388	4.431542002	2.193482386	9.47E-06
peak_20002	chr23	9092708	9092963	-3220	Intergenic	NM_001012253	xkr7	5.946333855	3.752854065	2.19347979	4.13E-05
peak_33027	chr14	4243311	4243915	11365	intron (NM_001013527, intron 1 of 8)	NM_001013527	enpp6	6.637028662	4.443640894	2.193387768	0.004428
peak_25155	chr18	35432037	35432344	-126786	Intergenic	NM_001044953	qpctla	5.899092613	3.706270983	2.192821631	0.00041
peak_22693	chr7	6462102	6462519	-131288	Intergenic	NM_001031840	arhgef11	5.602975521	3.410474379	2.192501143	0.000147
peak_21945	chr2	13931397	13931695	191064	Intergenic	NM_201064	zgc:66475	5.824466719	3.631979402	2.192487317	0.000107
peak_22734	chr3	56174225	56174573	-34775	Intergenic	NM_001080635	ldlrap1b	5.336856522	3.144642628	2.192213895	0.00015
peak_14017	chr19	15884722	15885158	389674	Intergenic	NM_001201443	gmeb1	7.038197026	4.846258968	2.191938058	8.56E-07
peak_26346	chr6	37507199	37507478	29607	intron (NM_001030077, intron 12 of 16)	NM_001030077	slc9a7	6.17031332	3.978583146	2.191730174	0.00062
peak_13253	chr25	34636176	34636816	199032	Intergenic	NM_001172680	zgc:136826	7.724855296	5.533356867	2.191498429	4.41E-07
peak_7638	chr9	34916528	34918033	-24512	Intergenic	NR_039078		10.66109472	8.469674593	2.191420127	5.44E-10
peak_26700	chr1	18157188	18157408	-12601	Intergenic	NM_001114686	rbm47	5.368129927	3.176889133	2.191240795	0.0007
peak_11416	chr12	26852697	26853708	54434	Intergenic	NM_207055	zfp36l2	10.52190321	8.330854668	2.191048546	7.53E-08
peak_28176	chr9	13045130	13045539	-78052	Intergenic	NM_001122856	glb1l	7.462241389	5.271332858	2.190908531	0.001168
peak_31051	chr17	9146463	9146805	-324849	Intergenic	NM_001077768	zranb1b	5.166915653	2.976029152	2.190886502	0.002653
peak_39132	chr11	29512985	29513421	18799	Intergenic	NM_001172642	aadacl4	6.330555174	4.139790176	2.190764997	0.015629

peak_14877	chr5	55622020	55622605	171354	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	8.872085467	6.681343528	2.190741938	1.65E-06
peak_30075	chr7	28510085	28510331	93792	intron (NM_001123009, intron 6 of 14)	NM_001123009	sox6	5.322610975	3.131870268	2.190740707	0.002065
peak_22510	chr3	57513108	57513453	-102420	Intergenic	NM_001017729	zgc:112148	6.179763706	3.989243049	2.190520657	0.000136
peak_17804	chr24	23907639	23908049	371488	Intergenic	NM_001075111	hnf4g	6.834915456	4.644428611	2.190486845	1.21E-05
peak_13771	chr1	14106858	14107586	121794	Intergenic	NM_001045485	pi4k2b	7.926531179	5.736163196	2.190367983	6.93E-07
peak_10378	chr3	8373185	8373776	-61496	Intergenic	NM_212750	junbb	7.748411977	5.558375238	2.190036739	2.37E-08
peak_10436	chr17	14948818	14949683	41232	Intergenic	NM_001136255	gch1	8.119764289	5.929963664	2.189800625	2.53E-08
peak_11842	chr25	16605723	16606134	34018	intron (NM_001271913, intron 14 of 28)	NM_001271913	mical2b	7.128705026	4.939241497	2.189463529	1.14E-07
peak_26002	chr6	52450839	52451093	67233	Intergenic	NM_001076755	uqcc1	5.5223201	3.333041403	2.189278697	0.00055
peak_23058	chr22	17656908	17657454	26508	Intergenic	NM_001128684	si:ch211-197g15.	7.169684819	4.980960559	2.18872426	0.000173
peak_33158	chr10	27231283	27231571	-1973	exon (NM_001113476, exon 16 of 16)	NM_199217	fhl1b	5.404491329	3.215919485	2.188571844	0.004564
peak_35035	chr17	18189383	18189683	241409	Intergenic	NM_001099260	bcl11ba	5.851439216	3.662901559	2.188537657	0.006915
peak_27263	chr19	23111064	23111615	37065	intron (NM_001044951, intron 11 of 14)	NM_001044951	eif3eb	6.71922009	4.530723757	2.188496333	0.000853
peak_34998	chr4	21900723	21901125	117751	intron (NM_001122611, intron 2 of 21)	NM_001122611	magi2	6.229042758	4.040643527	2.188399231	0.006866
peak_29186	chr5	4237563	4237853	67069	Intergenic	NM_173238	srrt	6.489592228	4.301482043	2.188110185	0.0016
peak_33294	chr5	13298592	13298888	15258	intron (NM_131660, intron 1 of 27)	NM_131660	nos1	3.383019995	1.19500324	2.188016755	0.004691
peak_33562	chr21	16715108	16715956	171044	Intergenic	NM_213099	wdr5	7.683423343	5.495418184	2.188005159	0.004981
peak_14671	chr24	4479857	4480479	47790	Intergenic	NM_130918	fzd8a	7.713661417	5.525676373	2.187985043	1.42E-06
peak_27012	chr20	22357068	22357466	64119	Intergenic	NM_001024653	kdr	6.439198866	4.251359188	2.187839678	0.000781
peak_14837	chr12	21803427	21803961	38637	intron (NM_001017592, intron 2 of 8)	NM_001017592	arhgap17a	8.192317337	6.004663384	2.187653953	1.62E-06
peak_11279	chr6	17970545	17971607	-27742	Intergenic	NM_131029	ntn1a	8.714714513	6.527202201	2.187512312	6.50E-08
peak_9398	chr3	40737861	40739551	24604	intron (NM_001001943, intron 1 of 17)	NM_001001943	smurf1	9.751348512	7.563895973	2.187452539	7.35E-09
peak_28552	chr16	22720439	22720823	-102542	Intergenic	NM_001008631	jazf1b	6.186136271	3.998692285	2.187443986	0.001311
peak_37277	chr20	33728409	33728714	800	intron (NM_001093747, intron 1 of 30)	NM_001093747	rock2b	6.164772082	3.977521246	2.187250836	0.011169
peak_19781	chr3	23985151	23985706	2400	intron (NM_001115091, intron 1 of 1)	NM_001115091	hoxb7a	6.750857803	4.563983563	2.18687424	3.61E-05
peak_11200	chr3	30214553	30215192	-86298	Intergenic	NM_001003521	hsd17b14	9.462045269	7.275688843	2.186356426	6.00E-08
peak_13334	chr19	45224246	45224879	-100	promoter-TSS (NM_212781)	NM_212781	yrk	8.739876634	6.554829549	2.185047086	4.84E-07
peak_26805	chr18	35686002	35686614	9194	intron (NM_001139480, intron 2 of 7)	NM_001139480	yap1	7.286501892	5.101520741	2.184981151	0.000731
peak_14673	chr4	1866406	1866966	8662	intron (NM_001083089, intron 1 of 10)	NM_001083089	si:dkey-97m3.1	7.460098474	5.275237133	2.184861341	1.43E-06
peak_25961	chr11	40374859	40375154	21060	exon (NM_001018120, exon 6 of 6)	NM_200632	cdc42	5.895773041	3.711155543	2.184617498	0.000541
peak_18510	chr2	1965623	1966035	-4826	Intergenic	NM_200100	hig1	6.327547004	4.143047637	2.184499367	1.79E-05
peak_27468	chr12	44421840	44422406	69565	Intergenic	NM_001034970	zgc:111868	6.773601085	4.589115038	2.184486047	0.000914
peak_17964	chr17	19643976	19644860	86592	Intergenic	NR_030652		7.469600336	5.285127175	2.184473162	1.34E-05
peak_40524	chr8	4155075	4155449	76122	intron (NM_200864, intron 15 of 19)	NM_200864	zgc:77875	5.849915253	3.665471806	2.184443447	0.019669
peak_21147	chr25	3132079	3133606	26299	intron (NM_001089539, intron 13 of 22)	NM_001089539	hps5	8.754847943	6.570594779	2.184253164	7.21E-05
peak_33182	chr19	26174869	26175102	4444	intron (NM_001003475, intron 1 of 4)	NM_001003475	bloc1s4	3.612866973	1.429012063	2.183854911	0.004585
peak_21744	chr15	35515456	35515719	90753	Intergenic	NM_183070	sst1.1	5.36386504	3.180012352	2.183852688	9.63E-05
peak_30906	chr12	23588886	23589553	4199	intron (NM_001006087, intron 3 of 3)	NM_001006087	ormdl3	7.238271463	5.054486024	2.183785438	0.002556
peak_31638	chr15	25318450	25318923	86164	intron (NM_001017861, intron 4 of 10)	NR_030080		3.434885166	1.251205952	2.183679214	0.003115
peak_22953	chr24	37550975	37551261	82194	Intergenic	NM_001004610	tmem14cb	5.93339868	3.749956428	2.183442252	0.000166
peak_39291	chr16	313981	314707	36934	Intergenic	NM_205698	irx4a	3.188780911	1.00546592	2.183314991	0.016041
peak_34956	chr3	9521208	9522037	-293160	Intergenic	NM_001113625_1	trap1	3.975729886	1.792814747	2.182915139	0.006797
peak_26037	chr13	13521279	13523188	-20459	Intergenic	NM_001020532	cfd	9.057488303	6.874772017	2.182716286	0.000556
peak_36627	chr2	39623555	39623985	-160515	Intergenic	NM_001002667	slc25a36a	6.005143752	3.822473513	2.182670239	0.009786
peak_24167	chr15	19899158	19899652	16789	Intergenic	NM_200753	tbcela	6.866779353	4.684596779	2.182182574	0.000277
peak_20691	chr6	37523425	37523958	45960	intron (NM_001030077, intron 13 of 16)	NM_001030077	slc9a7	6.454350668	4.272345539	2.18200513	5.84E-05
peak_28694	chr6	18308592	18309017	48049	intron (NM_001089402, intron 2 of 14)	NM_001089402	usp43a	6.330281963	4.148389765	2.181892198	0.001367
peak_18189	chr1	22736390	22737879	96162	Intergenic	NR_030122		9.806998456	7.625183413	2.181815044	1.52E-05
peak_30086	chr15	16520100	16520538	94302	Intergenic	NM_213076	rps6kb1b	6.704501946	4.522745109	2.181756836	0.00207
peak_27615	chr14	33973711	33974101	-74501	Intergenic	NM_131472	kdrl	4.065285294	1.883571173	2.181714122	0.000964
peak_21484	chr5	28102836	28103702	34533	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	7.594442273	5.412788742	2.181653531	8.46E-05
peak_27819	chr25	24711368	24711714	58668	Intergenic	NM_001001815	igf2b	5.961252308	3.77985585	2.181396458	0.001037
peak_35116	chr2	59311032	59311356	64756	intron (NM_212882_1, intron 4 of 9)	NM_001002546	vapal	5.664647767	3.483459298	2.181188469	0.007065
peak_22721	chr24	26568663	26568961	16631	intron (NM_200440, intron 4 of 6)	NM_200440	klhl24b	6.013015265	3.831880907	2.181134357	0.000149
peak_15693	chr4	60452386	60452830	-18130	Intergenic	NM_001080666	slco1f4	6.125559501	3.944491144	2.181068356	3.04E-06
peak_17704	chr10	38847725	38848044	14423	intron (NM_212796, intron 5 of 16)	NM_212796	msi2a	5.845671427	3.664683129	2.180988298	1.13E-05
peak_16595	chr9	21344044	21344436	61951	intron (NM_001159666, intron 2 of 8)	NM_001159666	igsf3	6.698151442	4.517244162	2.18090728	5.58E-06
peak_37098	chr3	4306735	4307785	131642	intron (NM_001114711_1, intron 6 of 6)	NM_001130791	plbd1	7.153670384	4.973400588	2.180269797	0.010776
peak_34118	chr10	44355266	44355596	90913	Intergenic	NM_198370	zcchc9	5.333043566	3.152922181	2.180121385	0.005668
peak_14333	chr3	26929986	26930455	4464	Intergenic	NM_001089488	zgc:162612	6.995851639	4.815847055	2.180004583	1.09E-06
peak_19514	chr15	37480418	37481080	-24169	Intergenic	NM_131481	robo1	7.007708771	4.827829834	2.179878938	3.12E-05
peak_34939	chr19	39011937	39012368	4645	intron (NM_001044714, intron 1 of 9)	NM_001044714	dlgap3	5.866236087	3.686726073	2.179510014	0.00678
peak_9837	chr20	53355522	53356258	-166914	Intergenic	NM_200777	tbc1d7	9.108203825	6.929250103	2.178953723	1.30E-08
peak_34903	chr14	6671002	6671289	169833	Intergenic	NM_001007455	thg1l	2.825197218	0.646338197	2.178859021	0.006721
peak_14922	chr7	5922898	5923262	82814	Intergenic	NM_001130660	zgc:195075	6.319019468	4.140195679	2.178823789	1.70E-06
peak_10707	chr14	53655880	53657025	-50143	Intergenic	NM_001114469	zgc:174864	9.121439311	6.942896512	2.1785428	3.49E-08
peak_27638	chr11	46268672	46269174	-22017	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	6.28270276	4.104241405	2.178461355	0.000972
peak_22789	chr16	36670555	36670839	31758	intron (NM_200670, intron 3 of 14)	NM_200670	phactr4b	5.59159547	3.413217751	2.178377718	0.000153
peak_29120	chr14	29043905	29044294	7722	Intergenic	NM_200569	tsc22d3	6.172413114	3.994297423	2.17811569	0.00157
peak_16126	chr19	14713840	14714368	-90	promoter-TSS (NM_001045185)	NM_001045185	edn2	7.666501279	5.488575473	2.177925806	4.07E-06
peak_30239	chr11	25453196	25453586	-61054	Intergenic	NM_001080582	mxra8a	6.101031722	3.923306966	2.177724756	0.002164
peak_19897	chr19	33268903	33269246	17946	intron (NM_001044918, intron 2 of 8)	NM_001044918	znf704	6.223757295	4.046745124	2.177012172	3.87E-05
peak_32573	chr1	2122892	2123453	82949	Intergenic	NM_001089560	ggact.3	7.281681055	5.104800131	2.176880924	0.003953
peak_21340	chr8	9206320	9206687	36943	Intergenic	NM_001009987	zgc:86609	6.518488091	4.341785896	2.176702195	7.88E-05
peak_17830	chr19	3042322	3042933	16575	intron (NM_205630, intron 1 of 10)	NM_205630	fam126a	8.941667782	6.765490773	2.176177009	1.23E-05
peak_18805	chr5	36630634	36630982	15147	Intergenic	NM_212913	foxd1l	6.368396065	4.192568139	2.175827926	2.13E-05
peak_25561	chr13	10859869	10860116	233806	intron (NM_001197201, intron 4 of 14)	NM_001197201	akt3a	4.362796846	2.186974254	2.175822591	0.000473
peak_22430	chr11	24057430	24057850	-42301	Intergenic	NM_001077467	atp2b4	6.754551452	4.578929366	2.175622086	0.000132
peak_20620	chr24	13449760	13450076	-89605	Intergenic	NM_001007066	trpa1b	5.915619357	3.740212928	2.175406429	5.65E-05
peak_8706	chr11	2845689	2846680	104108	Intergenic	NM_001080669	srpk1b	9.523547134	7.348162457	2.175384677	2.76E-09
peak_28753	chr7	56755156	56755452	47687	Intergenic	NM_200668	aprt	5.594328508	3.419106423	2.175222086	0.001397
peak_22045	chr5	16307519	16308388	-19809	Intergenic	NM_001128246	sc:d411	7.289456248	5.11425292	2.175203328	0.000111
peak_31200	chr4	15109314	15109788	-43041	Intergenic	NM_131043	mest	5.397175482	3.222154694	2.175020789	0.002761
peak_13980	chr9	14585493	14586431	195104	Intergenic	NM_212966	nrp2b	7.787241986	5.612312846	2.17492914	8.26E-07
peak_16710	chr7	9599400	9599888	-80932	intron (NM_001020496, intron 1 of 4)	NM_001024426	tex261	7.792017282	5.617326781	2.1746905	5.99E-06
peak_27513	chr3	48321731	48322065	2766	intron (NM_001030128, intron 1 of 17)	NM_001030128	dnm2a	5.976038448	3.80145635	2.174582098	0.000929
peak_19731	chr24	37218882	37219203	-23019	exon (NM_001080581, exon 16 of 22)	NM_001109702	zgc:171788	6.036710287	3.862197346	2.174512941	3.52E-05
peak_8484	chr18	33947930	33948601	128162	exon (NM_001102571, exon 36 of 105)	NM_001102571	ryr1b	8.570880369	6.396368026	2.174512343	2.06E-09
peak_25400	chr2	27688543	27689032	35082	exon (NM_001144819, exon 14 of 14)	NM_131347	urod	6.078378075	3.904001218	2.174376857	0.000449
peak_30033	chr19	5129084	5129526	-167192	Intergenic	NM_001128549	LOC799704	7.305577098	5.131804228	2.173772871	0.002042
peak_14688	chr14	7973885	7974828	76319	Intergenic	NM_001002626	zgc:92242	8.449312835	6.275566735	2.1737461	1.45E-06
peak_11067	chr2	25318249	25319150	-207928	Intergenic	NM_001159832	fndc3ba	9.210980247	7.037617828	2.17336242	5.33E-08
peak_12656	chr7	70480785	70481575	-50085	Intergenic	NM_199682	ap1g1	7.683322624	5.510571145	2.172751479	2.51E-07
peak_17452	chr24	2426104	2426580	-102813	Intergenic	NM_001076711	f13a1a.1	7.059023871	4.886598211	2.172425661	9.45E-06
peak_17158	chr8	31133116	31133338	31251	intron (NM_001123258, intron 4 of 14)	NM_001123258	zgc:162939	5.571801766	3.39948979	2.172311975	7.78E-06
peak_43452	chr21	33431228	33431637	192648	intron (NM_152955, intron 3 of 13)	NM_152955	dacha	5.439452212	3.267211207	2.172241004	0.03061
peak_21795	chr3	21962448	21962747	-286577	Intergenic	NM_201449	cdc27	5.433329916	3.261095914	2.172234003	9.88E-05
peak_27725	chr12	44658415	44658921	118020	intron (NM_001110011_1, intron 10 of 20)	NM_001110011_1	dock1	6.300138611	4.12800641	2.172132201	0.001001
peak_26029	chr15	18251695	18252054	15774	Intergenic	NM_201155	acad8	6.487129146	4.315001366	2.17212778	0.000555
peak_37787	chr3	41736165	41736520	9994	Intergenic	NM_213547	chst12a	6.266465608	4.094423537	2.172042071	0.012252
peak_14593	chr8	28411381	28411813	3282	intron (NM_001002445, intron 1 of 4)	NM_001002445	rhoad	6.479989636	4.308210256	2.17177938	1.33E-06
peak_10249	chr12	107561	108669	95018	Intergenic	NM_001089421	map2k4b	9.086360591	6.91485326	2.171507331	2.06E-08
peak_40153	chr19	29676431	29676856	100569	Intergenic	NM_001080628	zgc:158604	2.862128275	0.691124799	2.171003476	0.018469
peak_18519	chr13	38183482	38183809	-132507	Intergenic	NM_001256713	si:dkey-188i13.1:	5.782227791	3.611335635	2.170892155	1.80E-05
peak_24481	chr2	18493985	18494582	948	intron (NM_001122714, intron 2 of 6)	NM_001122714	si:dkey-236a14.5	4.935217321	2.764375721	2.170841601	0.000313

peak_16666	chr13	2388585	2388891	-168140	Intergenic	NM_199718	fbxo9	6.066617155	3.896128291	2.170488864	5.81E-06
peak_40323	chr9	24442654	24443230	-26466	Intergenic	NM_001123295	sh3bp4	3.073219981	0.902938058	2.170281923	0.019004
peak_9158	chr9	48528892	48529527	352709	Intergenic	NM_001003480	zgc:92380	9.520995266	7.350726309	2.170268957	5.19E-09
peak_11787	chr6	4756334	4757280	324607	Intergenic	NM_201285	pou4f1	7.238271463	5.068534443	2.16973702	1.08E-07
peak_20554	chr2	51710121	51710581	50585	Intergenic	NM_001017613	abhd4	7.902966536	5.733378083	2.169588453	5.47E-05
peak_32778	chr3	32528089	32529180	-19120	Intergenic	NM_001005931	rras	7.651020077	5.481454618	2.16956546	0.004157
peak_12485	chr21	38713029	38713754	41310	Intergenic	NM_131575_1	plrdgb	8.834295029	6.664740056	2.169554972	2.16E-07
peak_28620	chr7	53819924	53820277	272	exon (NM_001144979, exon 1 of 3)	NM_001144979	gnrhr2	6.363048386	4.193580663	2.169467724	0.00134
peak_37631	chr14	17341073	17341551	135550	Intergenic	NM_001044746	cnga5	4.601138539	2.431948405	2.169190134	0.011902
peak_29208	chr18	23381314	23381603	277607	Intergenic	NM_131183	nr2f2	5.670271331	3.501103806	2.169167525	0.001611
peak_29179	chr8	22425408	22425684	-459254	Intergenic	NM_194404	dffb	4.457076769	2.287941081	2.169135688	0.001598
peak_36286	chr18	18923989	18924487	11740	Intergenic	NM_001007359	rab11a	6.575277833	4.406449709	2.168828124	0.009094
peak_17930	chr13	5839190	5839650	-26854	Intergenic	NM_201488	ppm1g	6.775609181	4.606786168	2.168823013	1.31E-05
peak_14549	chr9	32530427	32530901	27719	TTS (NM_001173502)	NM_001173502	tmtc4	7.533071075	5.364275109	2.168795966	1.29E-06
peak_14195	chr21	14001962	14002414	-25062	exon (NM_131888, exon 8 of 23)	NM_181439	gnrh2	8.021097991	5.852425244	2.168672748	9.81E-07
peak_24672	chr3	57696105	57696346	-8060	Intergenic	NM_001099249_2	zgc:165627	5.19726529	3.028596829	2.168668461	0.000341
peak_23930	chr20	11697221	11697525	-409044	Intergenic	NM_001100043	flrt2	5.885374666	3.717036073	2.168338592	0.000249
peak_37542	chr2	47842746	47843136	1071	intron (NM_001076634, intron 1 of 3)	NM_001076634	mbnl1	6.430244125	4.261977139	2.168266986	0.011745
peak_23194	chr5	16592437	16593988	-305068	Intergenic	NM_001128246	sc:d411	7.991086548	5.822828626	2.168257923	0.000183
peak_16448	chr9	46794564	46795099	45788	Intergenic	NM_001002736	asb1	7.36010728	5.191882215	2.168225064	5.09E-06
peak_15875	chr20	26779975	26780383	48197	intron (NM_001102475, intron 7 of 10)	NM_131729	foxc1b	7.229792411	5.061715987	2.168076424	3.45E-06
peak_35000	chr18	38751142	38752136	-4156	Intergenic	NM_001177495	ugt5c1	2.877168754	0.709096771	2.168071983	0.006869
peak_9788	chr19	23061578	23062138	86546	Intergenic	NM_001044951	eif3eb	8.306059387	6.138024365	2.168035021	1.22E-08
peak_22139	chr24	22559196	22560345	344	intron (NM_001037399, intron 1 of 14)	NM_001037399	acot9.2	8.280558469	6.11260991	2.167948558	0.000116
peak_33256	chr5	21172665	21172949	10685	exon (NM_131099, exon 9 of 10)	NM_131099	foxn4	4.854460154	2.68664439	2.167815764	0.004655
peak_35881	chr4	12264338	12264587	55762	intron (NM_001044851, intron 1 of 23)	NM_001044851	grip1	5.734202682	3.566471954	2.167730727	0.00833
peak_14396	chr16	31848926	31849328	2832	Intergenic	NM_194394	mcl1b	6.835493104	4.667803761	2.167689344	1.15E-06
peak_33833	chr16	34031220	34031738	7348	intron (NM_131500, intron 4 of 8)	NM_131500	wnt4b	6.265877638	4.098846183	2.167031455	0.005291
peak_31694	chr25	17527409	17527812	-73722	Intergenic	NM_001202419	kdm7ab	4.317074445	2.150298638	2.166775808	0.003169
peak_43107	chr3	46838452	46838952	16910	Intergenic	NM_131449	elavl3	7.161550741	4.995146766	2.166403975	0.029034
peak_32277	chr20	6468367	6468652	-130118	Intergenic	NM_001076621	mep1b	6.03938699	3.872998259	2.166388731	0.003669
peak_20014	chr9	47086794	47087131	54084	intron (NM_001039358, intron 5 of 24)	NM_001039358	hdac4	6.224639552	4.058318449	2.166321103	4.16E-05
peak_12985	chr25	18825985	18826375	-8387	Intergenic	NM_194380	dusp6	6.995669319	4.829420061	2.166249257	3.47E-07
peak_37044	chr8	36324559	36325843	37013	Intergenic	NM_001007206	si:busm1-194e12	6.013695992	3.847499815	2.166196177	0.010648
peak_8588	chr1	54310617	54311740	35695	Intergenic	NM_001111189	pus10	10.12781531	7.961662838	2.166152471	2.33E-09
peak_34599	chr6	43684575	43684883	129267	intron (NM_001039637, intron 5 of 19)	NM_001039637	foxp1b	5.347726979	3.182167873	2.165559106	0.006318
peak_9861	chr23	10931	12524	98296	Intergenic	NM_130985	twist3	9.781988278	7.616596928	2.16539135	1.34E-08
peak_15085	chr19	47341282	47342042	207182	intron (NM_001177934, intron 5 of 7)	NM_001177934	trps1	6.51560739	4.350237732	2.165369658	1.93E-06
peak_33789	chr18	49484881	49485417	5533	intron (NM_001080621, intron 1 of 2)	NM_001080621	zgc:158464	5.51461782	3.349285086	2.165332734	0.005247
peak_31428	chr22	35868382	35868975	-146666	Intergenic	NM_173274	dag1	6.085879876	3.920837941	2.165041935	0.002929
peak_25051	chr13	15298719	15299145	-53444	Intergenic	NM_001089342	loxl3b	6.13025691	3.965513508	2.164743402	0.000395
peak_10001	chr15	46642493	46643271	-35270	Intergenic	NM_205646	zgc:77147	9.728832616	7.564211312	2.164621304	1.57E-08
peak_16832	chr6	28739825	28740319	-18820	Intergenic	NM_201338	gfi1ab	7.187175097	5.022763331	2.164411766	6.41E-06
peak_32956	chr7	32412023	32412296	-145550	Intergenic	NM_001013468	zgc:111992	4.752741492	2.588552063	2.164189429	0.00436
peak_16416	chr3	47401152	47401552	51711	intron (NM_001278819, intron 2 of 10)	NM_001278819	gas7a	6.099429356	3.935289609	2.164139747	4.97E-06
peak_10354	chr20	31479174	31479933	-26255	intron (NM_001044819, intron 8 of 19)	NM_001032729	ust	9.078717635	6.914641611	2.164076024	2.32E-08
peak_21256	chr23	46100246	46103905	14570	intron (NM_001042775, intron 5 of 13)	NM_001042775	abcg2a	7.922085704	5.758375952	2.163709752	7.58E-05
peak_25224	chr11	41428886	41429210	-6189	intron (NM_001002073, intron 3 of 5)	NM_131584	per3	4.480960159	2.317493822	2.163466337	0.000419
peak_29594	chr14	17160319	17160900	316253	Intergenic	NM_001044746	cnga5	4.322578924	2.15929818	2.163280745	0.001801
peak_7608	chr7	75660334	75661295	-61822	Intergenic	NM_001077468	mrpl21	10.09579156	7.932655862	2.163135701	5.15E-10
peak_13312	chr6	27662485	27662931	-37537	Intergenic	NM_001080177	amotl2a	6.758629969	4.595528987	2.163100982	4.69E-07
peak_24742	chr22	22531839	22532191	-4291	Intergenic	NM_200958	cdc34a	6.059673623	3.896740031	2.162933592	0.00035
peak_28597	chr1	34815645	34816047	26780	intron (NM_001098260, intron 7 of 7)	NM_001098260	sc:d189	6.282686285	4.119991053	2.162695232	0.00133
peak_12355	chr18	29736700	29737093	110962	Intergenic	NM_001282139	cmc2	6.777225342	4.61455114	2.162674202	1.90E-07
peak_16564	chr20	45609049	45609911	254135	Intergenic	NM_001080702	zgc:158643	9.316021618	7.153446691	2.162574927	5.47E-06
peak_32429	chr16	21825827	21826106	5685	Intergenic	NM_001017820	twist1b	3.492783688	1.330227956	2.162555732	0.003819
peak_31649	chr14	35767475	35768025	78863	Intergenic	NM_001271474	pttg1	6.162643225	4.000355833	2.162287392	0.003124
peak_21085	chr5	42712410	42712695	9674	intron (NM_001006105, intron 1 of 2)	NM_001006105	golph3	5.796584832	3.634348684	2.162236148	6.99E-05
peak_18601	chr2	53869712	53870245	217745	Intergenic	NM_131876	admp	7.239589893	5.077598282	2.161991612	1.88E-05
peak_23873	chr16	46249728	46250237	8448	Intergenic	NM_001045432	ccdc127a	7.432057351	5.270099141	2.16195821	0.000244
peak_16009	chr16	42846130	42846575	-121239	Intergenic	NM_001017358	rspo3	6.338215854	4.176423838	2.161792016	3.79E-06
peak_26437	chr23	45390088	45390377	10258	Intergenic	NM_001009916_2	tfr2	5.809210005	3.647626336	2.161583669	0.000637
peak_43045	chr4	26230799	26231218	164607	Intergenic	NM_200523	creld2	4.445073479	2.283632269	2.16144121	0.02881
peak_25467	chr3	37617653	37618815	-26105	Intergenic	NM_199688	gosr2	5.090708057	2.92927816	2.161429897	0.000459
peak_36226	chr15	25081908	25082248	66227	Intergenic	NM_001002314	hic1	5.974290977	3.81315626	2.161134716	0.008964
peak_39052	chr21	7121589	7121993	25180	Intergenic	NM_001003459	crhbp	6.143726952	3.983071148	2.160655804	0.015401
peak_17987	chr17	48795779	48796235	65559	Intergenic	NM_001037401	kcnk5a	6.195766376	4.035146598	2.160619778	1.36E-05
peak_8195	chr14	36231827	36232869	122788	Intergenic	NM_001007108	il12ba	9.145721518	6.985163838	2.16055768	1.33E-09
peak_13573	chr8	9481575	9482014	9064	Intergenic	NM_131539	pim1	7.046066804	4.886134856	2.159931948	5.90E-07
peak_16375	chr15	43869279	43870595	-26329	Intergenic	NR_023326		8.131133525	5.971656932	2.159476593	4.82E-06
peak_24210	chr19	7318996	7319357	78128	intron (NM_001245959, intron 1 of 5)	NM_001245959	pvrl2l	6.267892874	4.10847065	2.159422224	0.000282
peak_13398	chr8	42565236	42565974	-38510	Intergenic	NM_001075105	aplnra	7.48859893	5.329666047	2.158932883	5.09E-07
peak_13592	chr5	29506603	29506993	5408	Intergenic	NM_001013472	zgc:110340	6.491303907	4.332396129	2.158907778	6.00E-07
peak_22832	chr25	11499608	11500306	-106501	Intergenic	NM_001265607	mespbb	8.307660264	6.14877829	2.158881974	0.000156
peak_11423	chr1	50405768	50406965	19584	intron (NM_131426, intron 10 of 10)	NM_001003515	hadh	9.660602661	7.501967461	2.1586352	7.59E-08
peak_26858	chr8	14157728	14158162	28	promoter-TSS (NM_001110110)	NM_001110110	b3gnt3	7.325629444	5.167053488	2.158575956	0.000743
peak_25199	chr8	45564827	45565156	52221	5' UTR (NM_001007032, exon 2 of 45)	NM_001007032	ncor2	6.106165983	3.947688845	2.158477138	0.000416
peak_30911	chr25	31810105	31810563	224475	Intergenic	NR_030401		6.05140975	3.89319752	2.158212231	0.00256
peak_19596	chr12	5886153	5886652	51091	Intergenic	NM_001089403	plekhm1	6.942553944	4.784356021	2.158197923	3.28E-05
peak_19051	chr18	24038532	24038970	221829	Intergenic	NR_120393		7.839157386	5.681163601	2.157993785	2.45E-05
peak_11884	chr17	25744947	25745499	69586	Intergenic	NM_001080656	acss1	7.395740056	5.237762742	2.157977314	1.20E-07
peak_14842	chr9	1005121	1006426	-31320	Intergenic	NM_001110451	stk24a	8.829450462	6.671498962	2.157951499	1.62E-06
peak_10512	chr22	13212561	13213261	-30626	intron (NM_131264, intron 2 of 10)	NM_001024816	ahr1b	9.122544175	6.964689193	2.157854982	2.75E-08
peak_10980	chr10	46076688	46078144	203071	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	9.62830942	7.470640051	2.157669369	4.78E-08
peak_29581	chr7	61352630	61352866	-46075	Intergenic	NM_131550	pcxb	3.678071896	1.520533329	2.157538567	0.001797
peak_25756	chr9	48558179	48558905	323376	Intergenic	NM_001003480	zgc:92380	7.400960546	5.243500105	2.157460441	0.000506
peak_12007	chr14	35985371	35985887	-294	promoter-TSS (NM_001102652)	NM_001102652	adrb2a	7.531408268	5.373999763	2.157408505	1.35E-07
peak_19756	chr7	706126	706426	19248	Intergenic	NM_200448	zgc:63470	5.457606365	3.300437898	2.157168468	3.57E-05
peak_34358	chr14	6930270	6930647	1771	exon (NM_212587, exon 6 of 9)	NM_212587	hnrnpaba	6.794396127	4.637253782	2.157142344	0.005989
peak_32038	chr14	13210495	13210787	-115376	Intergenic	NM_198360	gria3b	4.003411208	1.846475529	2.156935679	0.003458
peak_34799	chr16	39331247	39331599	-43112	Intergenic	NM_001017683	rab42b	3.044039864	0.887237959	2.156801905	0.006553
peak_17954	chr13	34617935	34618449	-294915	intron (NM_200549, intron 8 of 19)	NM_001100953	tasp1	7.561124163	5.404412234	2.156711929	1.33E-05
peak_10218	chr22	21948359	21949117	8458	intron (NM_001130604, intron 2 of 19)	NM_001130604	tle2	8.961117398	6.804580738	2.15653666	1.98E-08
peak_9929	chr2	868786	870706	648	exon (NM_131728, exon 1 of 1)	NM_131728	foxc1a	10.16433931	8.008315489	2.156023824	1.45E-08
peak_12562	chr16	53279032	53279422	227785	Intergenic	NM_200970	rab5ab	7.484560577	5.32854666	2.156013917	2.31E-07
peak_37124	chr22	17163351	17164123	55710	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	6.91654024	4.760610287	2.155929953	0.010825
peak_24148	chr9	48309361	48309876	-418505	Intergenic	NM_001126463	igfbp5a	6.515847668	4.359959068	2.1558886	0.000274
peak_22592	chr23	25745819	25746190	166716	Intergenic	NM_212641	pa2g4b	5.526141958	3.370303973	2.155837985	0.000141
peak_19226	chr7	51249016	51249362	-72848	Intergenic	NM_001190305	slc1a2a	6.757196092	4.601393426	2.155802667	2.67E-05
peak_14253	chr14	36983440	36983901	14926	intron (NM_131895, intron 2 of 15)	NM_131895	gria2b	7.343926892	5.188168487	2.155758405	1.03E-06
peak_14110	chr20	32785108	32785720	-10230	Intergenic	NM_200618	fam84a	8.153674888	5.998086968	2.155587921	9.21E-07
peak_30013	chr15	34350698	34351071	11620	intron (NM_213519, intron 1 of 9)	NM_213519	sesn3	6.280974386	4.125509544	2.155464843	0.002033
peak_25796	chr19	22037776	22038105	146934	Intergenic	NM_001042746	tshz1	4.746154871	2.590777656	2.155377215	0.000512
peak_23576	chr12	6596400	6596718	85801	Intergenic	NM_212635	kat7	5.672022415	3.516723143	2.155299272	0.000213
peak_36621	chr9	21020609	21021140	364123	Intergenic	NM_001126449	pdxka	4.385125888	2.229879429	2.155246459	0.009774

peak_18840	chr5	22170209	22170495	-34515	intron (NM_201295, intron 2 of 10)	NM_001258229	selplg	6.093646061	3.938692094	2.154953966	2.17E-05
peak_25236	chr2	36113631	36114162	107312	Intergenic	NM_001199372_1	LOC100331689	6.893740647	4.73900557	2.154735077	0.000422
peak_32351	chr13	15812801	15813180	42155	intron (NM_200953, intron 7 of 14)	NM_200953	klc1a	4.143397819	1.988676984	2.154720835	0.003745
peak_12136	chr12	10911248	10912318	56234	Intergenic	NM_213025	ndufa4	8.340659428	6.185942825	2.154716603	1.53E-07
peak_10174	chr22	18819828	18820498	-49811	Intergenic	NM_200017	cirbp	9.270290772	7.115591879	2.154698892	1.89E-08
peak_22580	chr2	56671529	56672162	-2104	Intergenic	NM_001002555	rab11bb	6.694747264	4.540569918	2.154177346	0.00014
peak_25086	chr6	53010121	53010469	-9338	intron (NM_199842, intron 6 of 9)	NM_199788	fam212ab	6.200592309	4.046594371	2.153997938	0.0004
peak_30015	chr11	27935167	27935974	-136864	Intergenic	NM_001002171_1	hdac11	8.431285841	6.277293369	2.153992473	0.002033
peak_38698	chr16	54986284	54986645	47609	Intergenic	NM_001082926	si:ch211-107n13.	6.0933053	3.93952474	2.15378056	0.01444
peak_9826	chr21	216847	220990	6887	intron (NM_131093, intron 3 of 24)	NM_131093	jak2a	10.21777068	8.064566133	2.153204545	1.28E-08
peak_27726	chr20	24971404	24971795	21046	intron (NM_001044979, intron 3 of 17)	NM_001044979	epha7	6.129000875	3.975934119	2.153066756	0.001002
peak_36017	chr14	3579653	3580968	36741	Intergenic	NM_001017822	zgc:110204	5.885374666	3.732315331	2.153059334	0.008559
peak_13558	chr18	49373940	49374509	3964	intron (NM_001080622, intron 1 of 8)	NM_001080622	cd276	8.298381547	6.145347878	2.153033669	5.81E-07
peak_25503	chr6	58205637	58205946	-150517	Intergenic	NM_212908	tox2	4.128390782	1.975369496	2.153021286	0.000464
peak_27067	chr5	35823611	35823878	-20731	Intergenic	NM_001128543	LOC567525	3.68663467	1.53370839	2.152926281	0.000794
peak_36849	chr19	19882853	19883367	101402	intron (NM_001020756, intron 15 of 27)	NM_001020756	ints8	4.285855118	2.132953351	2.152901767	0.010235
peak_12661	chr4	48339431	48340064	554163	Intergenic	NM_001122615	zgc:174646	7.328923109	5.17646086	2.152462249	2.52E-07
peak_17444	chr1	46622476	46622850	-68777	Intergenic	NM_001037662	sox1b	6.446275786	4.294445213	2.151830573	9.36E-06
peak_34253	chr8	9441311	9441665	-31242	intron (NM_001075110, intron 2 of 8)	NM_131539	pim1	5.674176886	3.52238983	2.151787056	0.005839
peak_30303	chr10	27012487	27013165	-137601	Intergenic	NM_001007030	synj1	6.818406432	4.666963995	2.151442437	0.002196
peak_17194	chr4	13621874	13622334	-69890	Intergenic	NM_001161600	plxnb2a	7.819002087	5.667689729	2.151312358	7.95E-06
peak_15828	chr17	12853998	12854507	-16467	Intergenic	NM_200131	ppp2r3c	6.874140375	4.722878453	2.151261922	3.33E-06
peak_18375	chr4	13480231	13480592	29844	Intergenic	NM_001161493	si:dkey-261e22.4	5.31431431	3.163181093	2.151133217	1.68E-05
peak_12578	chr14	29239056	29239654	-136952	Intergenic	NM_200688	zgc:64189	7.811865675	5.660844669	2.151021006	2.34E-07
peak_30218	chr17	42119562	42119985	11877	exon (NM_001098390, exon 5 of 15)	NM_001098390	zgc:162576	6.3963927	4.24553287	2.15085983	0.002153
peak_26158	chr14	17864126	17864540	2909	exon (NM_001109942, exon 6 of 6)	NM_001109942	olfcg3	6.817248505	4.66697747	2.150271034	0.000581
peak_35984	chr11	46071917	46072553	-13546	intron (NM_001077304, intron 3 of 11)	NM_001080642	zgc:158357	3.376683808	1.226539182	2.150144626	0.008501
peak_31301	chr4	26126710	26127097	268712	Intergenic	NM_200523	creld2	4.018491687	1.868389041	2.150102646	0.002849
peak_30930	chr14	8045667	8046022	4831	intron (NM_001002626, intron 1 of 5)	NM_001002626	zgc:92242	3.486912637	1.33707946	2.149833177	0.002573
peak_29959	chr25	8876590	8876883	11857	intron (NM_001017671, intron 5 of 5)	NM_001017671	unc45a	4.335768134	2.186224363	2.149543771	0.002005
peak_14956	chr20	17861098	17861505	75280	intron (NM_131081, intron 15 of 15)	NM_131081	cdh2	6.651560519	4.502284057	2.149276463	1.74E-06
peak_30859	chr16	11894793	11895182	38301	Intergenic	NM_201456	flot1b	4.912681351	2.763431702	2.149249649	0.002532
peak_26031	chr7	6577576	6577910	-170293	Intergenic	NM_001142586	zgc:195633	5.097825209	2.948640307	2.149184902	0.000555
peak_14375	chr9	45201825	45202400	153461	intron (NM_001089474, intron 5 of 12)	NM_001089474	cerkl	8.044994728	5.8958241	2.149170628	1.13E-06
peak_31278	chr5	43687175	43687986	-23257	Intergenic	NM_001013272	ubb	7.108079657	4.959111194	2.148968463	0.002828
peak_21380	chr25	2125125	2125767	-44486	Intergenic	NM_001102567	pparab	7.951405751	5.802500013	2.148905738	8.08E-05
peak_23438	chr12	50532454	50532700	-31430	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	5.428743418	3.27989639	2.148847027	0.000201
peak_16005	chr13	9833801	9834299	-7471	Intergenic	NM_131362	six3a	7.164474538	5.016270561	2.148203977	3.78E-06
peak_19893	chr9	16476464	16477029	-1690	Intergenic	NM_200144	upp2	7.452705417	5.30476627	2.147939147	3.87E-05
peak_28044	chr24	29132378	29132740	18883	intron (NM_001030253, intron 1 of 1)	NM_001030253	bcl2a	6.280125927	4.132307122	2.147818805	0.001119
peak_28045	chr11	41140191	41140698	-264558	Intergenic	NM_001002073	vamp3	6.757805706	4.610091813	2.147713892	0.001119
peak_39812	chr17	11691140	11691478	230274	intron (NM_001037400, intron 5 of 11)	NM_001037400	smyd3	2.702019304	0.554393687	2.147625618	0.017444
peak_32311	chr14	28295179	28295507	484250	Intergenic	NM_001110457	klhl4	3.506390602	1.358970226	2.147420376	0.003699
peak_16763	chr3	36997937	36998304	79249	Intergenic	NM_200908	tubg1	6.612456964	4.465249411	2.147207554	6.19E-06
peak_30363	chr12	247057	247524	20149	Intergenic	NM_200462	dnah9	5.600738398	3.453559843	2.147178555	0.002231
peak_14486	chr23	4015119	4015598	32220	intron (NM_001008586, intron 6 of 13)	NM_181498_1		8.589945075	6.442834899	2.147110176	1.25E-06
peak_34218	chr20	52513740	52514154	24987	Intergenic	NM_212701	hlx1	2.972850631	0.825787209	2.147063422	0.005798
peak_30479	chr10	38574818	38575126	96738	Intergenic	NM_001077461	cuedc1a	3.875671743	1.729271479	2.146400264	0.002302
peak_7858	chr23	10453835	10455167	417	exon (NM_178437, exon 1 of 7)	NM_178437	krt18	9.929926568	7.783814452	2.146112115	7.59E-10
peak_13753	chr6	50606540	50607053	29675	intron (NM_001123252, intron 3 of 14)	NM_001123252	si:dkey-46l15.1	7.588736375	5.44270042	2.146035955	6.83E-07
peak_32977	chr7	53850543	53851032	30959	Intergenic	NM_001144979	gnrhr2	6.948283156	4.802362917	2.14592024	0.004377
peak_8089	chr18	6501574	6503070	41391	intron (NM_152983, intron 17 of 46)	NM_152983	myo7aa	10.41011569	8.264409186	2.145706507	1.12E-09
peak_16620	chr16	36578040	36578580	91	promoter-TSS (NM_212755)	NM_212755	oprd1b	6.919993995	4.774446472	2.145547523	5.65E-06
peak_28013	chr22	7861043	7861505	182896	Intergenic	NM_001122619	sc:d217	4.794582633	2.649171238	2.145411395	0.001109
peak_10265	chr15	19709834	19710861	-17408	Intergenic	NM_131403	tpst1	9.832747212	7.687417728	2.145329483	2.11E-08
peak_20649	chr1	50508792	50509301	50256	intron (NM_001024462, intron 5 of 11)	NM_001024462	gstcd	6.685139849	4.540110541	2.145029308	5.72E-05
peak_22606	chr9	57916015	57917218	42286	Intergenic	NM_001040052	rpl31	8.888999208	6.744338172	2.144661037	0.000142
peak_17897	chr17	5371137	5371673	17989	Intergenic	NM_001077335	fam167aa	7.205805556	5.061439037	2.144366519	1.28E-05
peak_37560	chr13	845368	845741	-42090	intron (NM_001142266, intron 11 of 11)	NM_001173407	LOC798231	4.4631284	2.318779611	2.144348789	0.011768
peak_25683	chr13	46188809	46189072	-12444	intron (NM_200463, intron 10 of 10)	NM_001080635_2	ldlrap1b	5.302663728	3.158435923	2.144227805	0.000493
peak_10997	chr18	7586369	7586979	-109067	Intergenic	NM_001013543	arsa	8.796238687	6.652253237	2.14398545	4.92E-08
peak_41752	chr13	24083192	24083564	15769	intron (NM_131707, intron 1 of 2)	NM_131707	oprm1	2.363802745	0.219835396	2.143967349	0.02382
peak_41753	chr3	46253292	46254170	-100387	Intergenic	NM_001135975	shisa9b	2.363802745	0.219835396	2.143967349	0.02382
peak_23029	chr20	49199185	49199657	-54094	Intergenic	NM_001109847	zgc:173683	6.882385224	4.738431672	2.143953552	0.000171
peak_32162	chr6	3851395	3851654	1394	intron (NM_212782, intron 2 of 17)	NM_212782	slc25a12	5.797747928	3.653836567	2.14391136	0.003556
peak_12203	chr8	55212605	55213155	23660	intron (NM_212609, intron 1 of 11)	NM_212609	gnb1a	8.564721829	6.420832255	2.143889573	1.63E-07
peak_37116	chr7	42826714	42827181	-572230	Intergenic	NM_199843	shcbp1	6.051390411	3.907552962	2.143837449	0.01081
peak_26008	chr17	10224912	10225291	58170	Intergenic	NM_131284	foxa1	6.504710865	4.361011819	2.143699046	0.000551
peak_37803	chr2	49216563	49216981	70006	intron (NM_001012258_1, intron 1 of 1)	NM_001012258_1	zgc:123035	5.439929223	3.296354146	2.143575077	0.012286
peak_24411	chr18	31652307	31652656	50010	Intergenic	NM_001082889	v2rh32	5.886490046	3.743032299	2.143457747	0.000306
peak_37780	chr2	3905260	3905647	7894	intron (NM_001076628, intron 4 of 5)	NM_001076628	jmjd4	6.452328857	4.308947348	2.14338151	0.012223
peak_34771	chr2	190917	191303	8582	intron (NM_001168350_1, intron 5 of 16)	NM_001168350_1	adcy1b	3.022555809	0.87932337	2.14323244	0.006517
peak_11809	chr11	23972606	23973423	42325	intron (NM_001077467, intron 1 of 5)	NM_001077467	atp2b4	8.032666307	5.889457606	2.143208701	1.10E-07
peak_23268	chr16	39536563	39536953	22645	Intergenic	NM_001089484	scmh1	7.046242866	4.903135891	2.143106975	0.000188
peak_15842	chr12	33879644	33880740	33680	Intergenic	NM_001197059	hlfb	8.082300834	5.9393875	2.142913334	3.37E-06
peak_25154	chr4	26499153	26499533	-85925	Intergenic	NM_001082941	zbed4	5.02728286	2.88457554	2.142707321	0.00041
peak_30666	chr20	33324765	33325190	-8387	Intergenic	NM_212614	mycn	5.953781325	3.811167421	2.142613904	0.002407
peak_32757	chr24	11582131	11582911	11186	intron (NM_205728, intron 1 of 14)	NM_205728	gli3	5.961605146	3.819109315	2.142495831	0.004132
peak_9646	chr15	2791264	2791863	3565	intron (NM_182873, intron 1 of 6)	NM_182873	tgfb1a	9.262089082	7.119786063	2.142303019	1.01E-08
peak_10868	chr17	38055352	38056287	-44437	Intergenic	NM_001077519	plekhh1	9.562655696	7.42046252	2.142193176	4.26E-08
peak_12275	chr1	5416560	5417456	-59416	Intergenic	NM_001020643	klf7a	9.419175374	7.277121278	2.142054096	1.74E-07
peak_22003	chr19	40745077	40745866	-240916	Intergenic	NM_213278	sfpq	7.300967251	5.159050701	2.14191655	0.000109
peak_24075	chr8	39177000	39177289	145542	Intergenic	NM_001039526	prlhr2a	5.810800405	3.669080841	2.141719564	0.000265
peak_27914	chr13	46698774	46699222	-46116	Intergenic	NM_213133	marcksl1a	6.699844355	4.558537113	2.141307242	0.001072
peak_29664	chr20	46607899	46608263	2993	TTS (NM_001045473)	NM_001045473	bmf2	5.444509808	3.303247709	2.1412621	0.001843
peak_9564	chr13	20939740	20940465	-260646	Intergenic	NM_001144786	si:ch1073-126c3.	9.208306641	7.067663808	2.140642834	9.16E-09
peak_25157	chr16	1359905	1360406	169863	Intergenic	NM_178222	sim1a	4.404980039	2.264354258	2.140625781	0.00041
peak_25602	chr6	51292752	51293013	231912	Intergenic	NM_001130610	rbl1	5.504482852	3.364023226	2.140459626	0.00048
peak_30090	chr2	14650548	14651022	93303	Intergenic	NM_001083863	LOC795615	3.84531137	1.704947384	2.140363987	0.002073
peak_15253	chr15	46502808	46503905	-22951	intron (NM_205646, intron 1 of 6)	NM_200541	zgc:66101	8.251279197	6.111036229	2.140242968	2.19E-06
peak_38613	chr11	6650000	6651648	112011	Intergenic	NM_213031	gadd45ba	8.738999133	6.598796912	2.140202221	0.01425
peak_15931	chr10	3758752	3759195	231215	Intergenic	NM_001037412	zgc:123275	7.50567902	5.365545784	2.140133237	3.59E-06
peak_16615	chr8	42412181	42412647	-41470	Intergenic	NM_001075105_1	aplnra	6.523515519	4.383671956	2.139843563	5.65E-06
peak_16443	chr11	36823036	36823561	58040	Intergenic	NM_001113600	setmar	7.510275942	5.370504318	2.139771624	5.07E-06
peak_40496	chr5	213574	214173	-19891	Intergenic	NM_001076743	zgc:153924	2.359525028	0.219835396	2.139689632	0.019577
peak_16209	chr9	56225159	56225990	27396	Intergenic	NM_001130697	tmsb4x	8.737600115	6.597926576	2.139673539	4.31E-06
peak_28774	chr4	56460295	56460950	635758	intron (NM_001114585, intron 9 of 15)	NM_001114585	zgc:174944	3.860527269	1.720983157	2.139544113	0.001406
peak_14766	chr11	27462417	27462840	47687	Intergenic	NM_001004017	st3gal2l	8.049155838	5.90968741	2.139468428	1.53E-06
peak_17969	chr10	8936978	8937570	-121417	Intergenic	NM_001109831	fstb	8.149955268	6.010789535	2.139165734	1.34E-05
peak_28299	chr15	4446389	4446886	-7101	intron (NM_205695, intron 7 of 7)	NM_212896	zgc:77828	6.432072205	4.293079112	2.138993094	0.001209
peak_27695	chr21	22083374	22083820	-17001	intron (NM_001077780, intron 22 of 26)	NM_001045422	dub	6.402658262	4.264054054	2.138604209	0.00099
peak_22499	chr12	3748858	3749569	-24012	Intergenic	NM_201478	col1a1b	5.753916694	3.615854266	2.138062428	0.000135
peak_31715	chr2	14016613	14016942	110755	Intergenic	NM_001017787	leprot	4.35851614	2.220512599	2.138003541	0.003185
peak_28237	chr23	20043159	20043426	-38931	Intergenic	NM_200027	rpl10	5.51560739	3.377604458	2.138002931	0.001186
peak_11626	chr6	59504354	59505345	3703	Intergenic	NM_001007215_1	gpr34a	8.964308107	6.826900766	2.137407341	9.25E-08

peak_18558	chr11	10714047	10714412	108977	Intergenic	NM_198876	b3gnt5a	6.81705353	4.679655791	2.137397739	1.83E-05
peak_32678	chr13	11790800	11791295	-8744	Intergenic	NM_001044318	gng2	7.622900227	5.485593202	2.137307024	0.004057
peak_30607	chr11	35245430	35245804	164112	Intergenic	NM_001037377	pfkfb4	6.66466041	4.52750034	2.13716007	0.002371
peak_36270	chr4	47437542	47438019	345210	Intergenic	NM_001115109	zgc:175008	4.2140167	2.077505579	2.136511121	0.009059
peak_19311	chr13	41122806	41123654	84500	Intergenic	NM_213119	slc25a28	8.124679491	5.988369609	2.136309882	2.79E-05
peak_35328	chr2	12215211	12215755	-127915	intron (NM_001115122, intron 21 of 30)	NM_199518	prtfdc1	6.498401968	4.362629749	2.13577222	0.007362
peak_10729	chr16	50448162	50448610	30645	Intergenic	NM_001002730	ica1	7.868407149	5.732805294	2.135601855	3.57E-08
peak_19159	chr8	17658170	17658547	-4543	Intergenic	NM_001083560	zgc:162295	6.924887782	4.78930275	2.135585032	2.58E-05
peak_39687	chr20	26870067	26870359	-18056	Intergenic	NM_001102475	gmds	2.355234589	0.219835396	2.135399193	0.01711
peak_17891	chr10	38742692	38743035	-90598	Intergenic	NM_212796	msi2a	6.01199357	3.876782606	2.135210965	1.28E-05
peak_16102	chr3	54059542	54060182	43285	Intergenic	NM_214779	nr5a5	7.825242463	5.690088566	2.135153896	4.01E-06
peak_40177	chr3	25407606	25408175	-31277	intron (NM_001114426, intron 11 of 19)	NM_212612	ddx5	6.51076527	4.375922327	2.134842944	0.018549
peak_15663	chr2	4546991	4547406	-117244	Intergenic	NM_199681	phb2a	6.774605483	4.639870331	2.134735151	2.96E-06
peak_34296	chr12	178080	178563	-48820	Intergenic	NM_200462	dnah9	4.833022039	2.698376779	2.134645261	0.005896
peak_19153	chr1	42223581	42223946	-8030	Intergenic	NM_201502	smox	6.761863227	4.627270302	2.134592926	2.57E-05
peak_11246	chr7	8474659	8475186	-55016	Intergenic	NM_001077258	ino80b	8.11660843	5.982027664	2.134580766	6.30E-08
peak_13683	chr4	16527227	16528244	42422	Intergenic	NM_131219	ascl1a	9.030276378	6.895706666	2.134569711	6.47E-07
peak_27862	chr9	34425821	34426139	-25297	intron (NM_152941, intron 12 of 25)	NM_001128546	gpr34b	5.745745195	3.61123898	2.134506214	0.001052
peak_32202	chr21	35224656	35225823	108122	Intergenic	NM_001007217	gpr34l	4.118298658	1.983794631	2.134504027	0.003595
peak_28691	chr23	24218117	24218502	13005	intron (NM_200454, intron 1 of 15)	NM_200454	ptpn11b	6.477030948	4.342640049	2.134390899	0.001365
peak_16971	chr18	10020285	10020675	-117328	Intergenic	NM_001128576	lepa	6.208343809	4.074274275	2.134069534	6.93E-06
peak_29440	chr14	32440397	32440652	4143	intron (NM_200434, intron 2 of 17)	NM_200434	ddx26b	5.659002196	3.525093422	2.133908775	0.001724
peak_14429	chr2	49918450	49919003	-69174	Intergenic	NM_001277094	rorcb	7.028957525	4.895328476	2.133629049	1.19E-06
peak_17951	chr4	60631767	60632584	14453	Intergenic	NM_001017670	ms4a17a.11	7.351635992	5.218389896	2.133246096	1.33E-05
peak_39197	chr12	141975	142352	-84978	Intergenic	NM_200462	dnah9	2.618352549	0.48510786	2.133244689	0.015807
peak_20922	chr25	38201356	38201686	17378	Intergenic	NM_001200021	LOC570474	5.954886428	3.821891225	2.132995203	6.46E-05
peak_23840	chr12	31288165	31288473	-47273	Intergenic	NM_131731	gfra1b	5.581962078	3.448969474	2.132992604	0.000241
peak_22107	chr17	10856737	10857345	-9368	Intergenic	NM_001258228	si:ch211-185a18.	6.766134947	4.633296043	2.132838904	0.000114
peak_25694	chr4	28680753	28681358	375909	Intergenic	NM_001113341	si:dkey-13e3.1	4.194866279	2.062387487	2.132478792	0.000494
peak_13882	chr13	52519164	52519607	-157283	Intergenic	NM_214772	lsm14ab	7.372928379	5.240585893	2.132342486	7.59E-07
peak_11261	chr5	32581912	32582402	-18793	Intergenic	NM_001114455	spns2	8.506475749	6.374302395	2.132173354	6.38E-08
peak_21058	chr7	63051258	63051644	160218	Intergenic	NM_200491	tbc1d19	6.543506849	4.411497992	2.132008856	6.89E-05
peak_40664	chr23	10970868	10971513	59776	Intergenic	NM_001115140	ppp4r2a	5.4631284	3.331655844	2.131472557	0.020119
peak_43001	chr21	40691095	40691451	8539	intron (NM_001077326, intron 1 of 8)	NM_001077326	gabra1	6.319310882	4.187844043	2.131466839	0.028648
peak_10818	chr14	52949601	52950711	-165819	Intergenic	NM_199952	ube2d2l	8.965219332	6.833813093	2.131406239	3.95E-08
peak_13676	chr12	40112238	40112584	6051	intron (NM_001002490, intron 1 of 7)	NM_001002490	ttyh2	6.91854079	4.787245808	2.131294982	6.42E-07
peak_12384	chr5	32470298	32470816	72308	intron (NM_001083847, intron 5 of 11)	NM_174860	ruvbl2	7.202218106	5.070952281	2.131265825	1.97E-07
peak_39133	chr22	10849379	10849816	12832	intron (NM_213438, intron 14 of 16)	NM_213438	sass6	2.350931353	0.219835396	2.131095957	0.015633
peak_22846	chr14	28995564	28995850	56114	Intergenic	NM_200569	tsc22d3	5.937350623	3.806441677	2.130908946	0.000157
peak_34494	chr20	164061	164355	4136	intron (NM_001080028, intron 1 of 6)	NM_001080028	slc16a10	5.629916529	3.499038007	2.130878522	0.006184
peak_10500	chr20	44419378	44420358	114269	Intergenic	NM_130940	bon	9.070372618	6.940048201	2.130324417	2.72E-08
peak_33429	chr10	23309312	23309563	-10209	Intergenic	NM_200607	slc25a1a	2.95594936	0.825787209	2.130162151	0.00485
peak_9895	chr16	44783115	44783823	-149	promoter-TSS (NM_001037375)	NM_001037375	etv2	8.697724814	6.567881558	2.129843256	1.39E-08
peak_40146	chr24	30612150	30612517	333572	Intergenic	NM_001163988	prmt6	5.339573906	3.210009132	2.129564774	0.018448
peak_25578	chr20	41237635	41237977	436810	Intergenic	NM_001100023	si:dkey-233p4.1	5.793416981	3.663940936	2.129476045	0.000477
peak_17010	chr11	35489390	35490065	-15106	Intergenic	NM_001080079	mapkapk3	7.191853122	5.062602709	2.129250413	7.07E-06
peak_13738	chr17	22966222	22967864	-9760	Intergenic	NM_001110464	rasgrp3	10.85002682	8.72092605	2.129100775	6.75E-07
peak_17211	chr21	19269557	19269857	44941	Intergenic	NM_001006022	zgc:103482	6.111282037	3.982386391	2.128895646	8.05E-06
peak_9871	chr1	14162040	14162744	176964	Intergenic	NM_001045485	pi4k2b	9.082909107	6.954143597	2.128765551	1.35E-08
peak_11949	chr16	14362765	14363841	-19158	Intergenic	NM_001045344	zgc:153234	8.901828588	6.773358022	2.128470566	1.29E-07
peak_10791	chr1	36373322	36374183	-8947	Intergenic	NM_001099445	ednraa	9.712242186	7.583846542	2.128395644	3.83E-08
peak_31985	chr13	14352015	14352753	-3847	Intergenic	NM_001123058	gfra4a	5.704923501	3.576881517	2.128041984	0.003416
peak_21005	chr22	14625930	14626881	-354816	Intergenic	NM_001024811	gtpbp1l	6.977599187	4.849726312	2.127872876	6.72E-05
peak_36353	chr15	33717990	33718311	-3380	Intergenic	NM_212883	agmo	6.397175482	4.269578656	2.127596826	0.009236
peak_17371	chr25	24191232	24191617	57995	Intergenic	NM_001020596	phlda2	7.06578728	4.938240954	2.127546326	8.95E-06
peak_31525	chr9	6513549	6513989	29301	intron (NM_200997, intron 1 of 3)	NM_200997	nck2a	7.132470626	5.005779743	2.126690883	0.003021
peak_28066	chr15	35136617	35136979	-64136	Intergenic	NM_001017614	rhbdd1	6.567853874	4.441777498	2.126076375	0.001125
peak_32689	chr7	45732214	45732705	-39637	Intergenic	NM_001017669	dync1li2	6.307945886	4.181898341	2.126047545	0.004077
peak_33675	chr1	9505351	9506069	11518	Intergenic	NM_001159921	si:ch211-243g6.4	7.007879611	4.882124627	2.125754983	0.005123
peak_39555	chr20	48772131	48772446	3594	intron (NM_001012260, intron 2 of 5)	NM_001012260	xrg5	4.021123377	1.89539212	2.125731257	0.016776
peak_15733	chr24	43377211	43378209	42259	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	8.169226631	6.043548061	2.12567857	3.11E-06
peak_25463	chr14	1008785	1009233	-39767	intron (NM_212882, intron 6 of 12)	NM_001003569	acsl1b	6.726089772	4.600449103	2.125640669	0.000459
peak_8917	chr8	56134618	56136441	-20428	Intergenic	NM_205697	plxnd1	10.02224135	7.896763837	2.125477515	3.73E-09
peak_41306	chr9	49122820	49123255	12432	Intergenic	NM_001005949	mettl5	2.834474036	0.709096771	2.125377264	0.022331
peak_30962	chr14	15947503	15947737	-515839	Intergenic	NM_001045428	rab33a	4.584740136	2.459367796	2.12537234	0.002596
peak_35966	chr24	38206441	38206701	-28732	Intergenic	NM_001002675	ccr10	2.815860363	0.691124799	2.124735564	0.008475
peak_13235	chr24	33803872	33804940	-16625	Intergenic	NM_001009912	rdh12l	9.38295825	7.258636479	2.124321771	4.34E-07
peak_23135	chr13	35579150	35579646	18585	intron (NM_131863, intron 5 of 25)	NM_131863	jag1b	6.883130449	4.758974226	2.124156223	0.000179
peak_11828	chr14	36218813	36219825	109759	Intergenic	NM_001007108	il12ba	9.584491015	7.46043097	2.124060045	1.12E-07
peak_8368	chr22	41042338	41043915	35270	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	10.61995634	8.495907293	2.124049049	1.75E-09
peak_15614	chr8	35244441	35245023	11965	intron (NM_001002420, intron 1 of 26)	NM_001002420	gapvd1	7.193506318	5.069511259	2.123995059	2.83E-06
peak_32282	chr17	20627532	20627854	-101642	Intergenic	NM_199985	ccdc6a	6.170600759	4.046640017	2.123960743	0.003677
peak_9554	chr20	48266276	48266834	117902	Intergenic	NM_001024665	tfap2b	8.571053808	6.447124323	2.123929485	9.00E-09
peak_30390	chr11	29952434	29952929	6334	intron (NM_001278321, intron 1 of 9)	NM_001034184	igsf21a	6.66161059	4.537861478	2.123749112	0.002242
peak_19358	chr19	65934	67095	15971	Intergenic	NM_001045306	dnajc8	7.110804917	4.987078242	2.123726674	2.85E-05
peak_11303	chr1	1940660	1941090	-38277	intron (NM_001099998, intron 2 of 7)	NM_001145705	rap2ab	7.773908338	5.650475129	2.123433209	6.69E-08
peak_38657	chr16	15854445	15854959	-15120	Intergenic	NM_001045303	trim109	4.353147335	2.229879429	2.123267906	0.014337
peak_30190	chr21	2311470	2311841	80880	Intergenic	NM_001014292	hmgcrb	5.734615648	3.611389973	2.123225675	0.00214
peak_37776	chr17	25603849	25604174	69248	intron (NM_001044931, intron 10 of 10)	NM_001114890	hhat	4.490829325	2.367686229	2.123143096	0.01222
peak_37777	chr7	71550282	71550781	6476	Intergenic	NM_001018147	olfcw1	4.490829325	2.367686229	2.123143096	0.01222
peak_30106	chr20	34303783	34304175	13236	intron (NM_001190304, intron 1 of 106)	NM_001190304	hmcn1	6.274740731	4.151668996	2.123071735	0.002082
peak_20061	chr12	35824919	35825344	7748	intron (NM_001030125, intron 2 of 20)	NM_001030125	camk2g1	6.898182029	4.775111499	2.12307053	4.28E-05
peak_33214	chr9	4110493	4110872	-442325	Intergenic	NM_180973	sp5a	5.578258609	3.455338157	2.122920452	0.004611
peak_23955	chr6	31376529	31377024	316535	Intergenic	NM_131073	jak1	6.440197212	4.3175117	2.122685512	0.000252
peak_31833	chr8	29842358	29842695	93795	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	6.190959358	4.068298898	2.122660461	0.003296
peak_38696	chr4	31286518	31286933	-42728	intron (NM_001114900_1, intron 5 of 10)	NM_001114894	zgc:174653	2.342286181	0.219835396	2.122450785	0.01443
peak_29590	chr24	10353246	10353705	139237	Intergenic	NM_131412	myca	7.700690067	5.578351315	2.122338751	0.0018
peak_38576	chr6	58933699	58933998	-56200	Intergenic	NM_200076	mars	4.554074368	2.431948405	2.122125962	0.014158
peak_29343	chr18	31559341	31559892	6633	Intergenic	NM_001082899	v2rx1	6.554789768	4.432770877	2.12201889	0.001682
peak_13226	chr15	29668733	29669534	-22667	intron (NM_001113485, intron 8 of 11)	NM_001159983	lyrm9	8.832213886	6.710314268	2.121899619	4.30E-07
peak_10472	chr8	8511953	8512742	-78572	intron (NM_001122628_1, intron 1 of 1)	NM_001111186	abcd1	9.010499814	6.888629565	2.121870249	2.65E-08
peak_18804	chr5	30086593	30086880	8956	intron (NM_001143901, intron 1 of 14)	NM_001143901	nsmfb	6.089758778	3.968268094	2.121490685	2.13E-05
peak_10142	chr21	635637	636856	-8544	Intergenic	NM_001113483	klf4	10.33690355	8.215419485	2.121484069	1.83E-08
peak_11142	chr23	42999964	43000704	56	promoter-TSS (NM_001199969)	NM_001199969	cyp2aa6	8.670341039	6.54920168	2.121139359	5.74E-08
peak_27651	chr16	30141984	30142254	-164721	Intergenic	NM_001017734	steap4	5.854862259	3.733801342	2.121060917	0.000976
peak_31999	chr18	3236751	3237045	651321	Intergenic	NM_001045470	fam168a	5.251504061	3.131038933	2.120465128	0.003428
peak_11251	chr2	11217501	11218218	77795	Intergenic	NM_212878	sdr16c5a	8.928523197	6.808307114	2.120216083	6.35E-08
peak_21094	chr1	2565404	2565754	95837	intron (NM_001109719, intron 2 of 3)	NM_001109719	zgc:171629	6.096521862	3.976315582	2.120206281	7.01E-05
peak_14118	chr3	41832405	41832915	-46700	Intergenic	NM_001003430	grifin	8.302708985	6.182679629	2.120029355	9.30E-07
peak_25877	chr24	1565845	1566257	106859	Intergenic	NM_001113644_4	zgc:172101	6.555724904	4.435766222	2.119958681	0.000527
peak_14966	chr19	45504894	45505924	3268	Intergenic	NM_001100405_1	nkd3	7.350265672	5.230487957	2.119777714	1.76E-06
peak_16370	chr16	18927713	18928307	-111480	Intergenic	NM_001003432	rpl18	7.258151125	5.138442716	2.119708409	4.81E-06
peak_33842	chr20	11862175	11862478	-573997	Intergenic	NM_001100043	flrt2	5.495710279	3.376574656	2.119135623	0.005307
peak_14988	chr16	58028166	58028836	25268	intron (NM_200561_2, intron 5 of 10)	NM_001017694	osr2	7.404743274	5.285834669	2.118908605	1.78E-06
peak_30350	chr12	15755143	15755514	47086	Intergenic	NM_131082	neurod2	4.831433437	2.712596865	2.118836572	0.002225

peak_26259	chr25	9965659	9966020	-661966	Intergenic	NM_001039822	ehf	6.132157201	4.013374256	2.118782946	0.0006
peak_22805	chr19	24593040	24593523	17806	Intergenic	NM_200365	zgc:64022	7.84041059	5.7216751	2.118735489	0.000154
peak_39633	chr10	9362173	9362570	-2153	Intergenic	NM_001007302	anxa3b	5.221107285	3.102675971	2.118431314	0.016959
peak_24438	chr9	34892483	34893164	-55	promoter-TSS (NR_039077)	NR_039078		7.204622324	5.086224612	2.118397712	0.000309
peak_23769	chr6	37057850	37058207	166696	intron (NM_001003851, intron 6 of 6)	NM_001003851	negr1	6.123335146	4.004951094	2.118384052	0.000233
peak_33654	chr6	2381562	2382678	47153	Intergenic	NM_200334	hyi	8.237183185	6.118953362	2.118229823	0.005099
peak_24924	chr13	45100300	45100577	257710	Intergenic	NM_001030175	zfand3	5.680646069	3.562423467	2.118222603	0.000376
peak_20303	chr8	51142502	51142941	24402	intron (NM_183340, intron 3 of 12)	NM_183340	tp73	7.419488983	5.301358516	2.118130467	4.83E-05
peak_16957	chr21	36503063	36503502	16545	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	7.73099214	5.613219001	2.117773139	6.87E-06
peak_42096	chr7	14245925	14246255	-47387	Intergenic	NM_001159825	polr2l	4.880860969	2.763170291	2.117690679	0.024995
peak_19473	chr15	21714137	21714399	81879	Intergenic	NM_001077155	nars2	5.22346309	3.106082753	2.117380337	3.04E-05
peak_41098	chr7	6396207	6396531	-65347	Intergenic	NM_001031840	arhgef11	3.368192036	1.251205952	2.116986084	0.0217
peak_34132	chr22	32114443	32114825	161650	Intergenic	NM_207637	adra2a	7.064802295	4.947987516	2.116814779	0.005687
peak_18273	chr5	60865629	60866041	-55709	Intergenic	NM_001020466	nup88	6.745528359	4.628834338	2.116694022	1.59E-05
peak_27563	chr6	652783	653212	-44116	Intergenic	NM_001114903	cyth4b	5.656389079	3.539792719	2.116596359	0.000947
peak_17662	chr7	62114201	62114840	-14681	Intergenic	NM_212647_1		7.120001391	5.003408252	2.11659314	1.10E-05
peak_34183	chr17	51305337	51305758	-24008	intron (NM_001256215, intron 9 of 15)	NM_001002063	stxbp6	5.135324884	3.018987154	2.11633773	0.005742
peak_23212	chr8	2569093	2569498	40010	intron (NM_001123265, intron 19 of 21)	NM_213246	vdac3	4.859012881	2.742819595	2.116193285	0.000184
peak_18702	chr2	44334169	44334685	9973	intron (NM_194361, intron 4 of 5)	NM_194361	mpz	8.870002955	6.754402808	2.115600147	2.00E-05
peak_29837	chr21	44187943	44188675	18160	Intergenic	NM_214703	sap30l	5.086184638	2.970661125	2.115523512	0.001934
peak_28650	chr23	21969832	21970233	12148	Intergenic	NM_001003477	dhrs3a	6.989097642	4.873676353	2.115421288	0.001349
peak_9681	chr19	16899023	16899890	-77103	Intergenic	NM_212682	clic1	8.328102393	6.212772387	2.115330006	1.06E-08
peak_40598	chr19	29553357	29553804	223632	Intergenic	NM_001080628	zgc:158604	6.003431202	3.88815579	2.115275412	0.019923
peak_33130	chr5	1390416	1390780	38621	Intergenic	NM_213037	rnf185	4.620089523	2.50486986	2.115219663	0.004537
peak_26773	chr19	43797758	43798109	14150	intron (NM_001045041, intron 1 of 5)	NM_001045041	si:ch211-191i18.2	6.616956974	4.50214915	2.114807825	0.000722
peak_10045	chr3	46352920	46353553	64777	Intergenic	NM_001017690	snrnp25	8.237406006	6.122745747	2.114660259	1.64E-08
peak_21860	chr8	16732992	16733411	45262	Intergenic	NM_001007064	dmrta2	6.49718555	4.382860536	2.114325013	0.000102
peak_22449	chr21	2499879	2500302	-56563	Intergenic	NM_001128691	zgc:193790	6.891879728	4.777705008	2.11417472	0.000133
peak_28229	chr11	10569842	10570275	-35194	Intergenic	NM_198876	b3gnt5a	6.396914602	4.28277139	2.114143212	0.001184
peak_18471	chr18	10058252	10058782	-79291	Intergenic	NM_001128576	lepa	6.427436994	4.313306615	2.114130379	1.76E-05
peak_16820	chr15	3696725	3697103	52290	Intergenic	NM_001080055	lpar6a	7.154142544	5.040022753	2.114119791	6.36E-06
peak_10682	chr1	35237734	35238544	34687	intron (NM_213357, intron 1 of 8)	NM_213357	gab1	9.113065201	6.999167528	2.113897672	3.41E-08
peak_30314	chr5	65938062	65938388	-76466	Intergenic	NM_001039813	adora2b	5.742028901	3.628219996	2.113808904	0.002204
peak_18520	chr19	37160976	37161530	-16686	Intergenic	NM_001082901	col8a2	6.709366921	4.595763407	2.113603514	1.80E-05
peak_35925	chr5	246335	246945	3865	intron (NM_214750, intron 6 of 8)	NM_214750	rnf170	5.330860201	3.217489841	2.11337036	0.008398
peak_28612	chr7	48601126	48601775	-210625	Intergenic	NM_001195407	tshz3b	6.253522649	4.140153876	2.113368774	0.001336
peak_29204	chr24	18832751	18833088	-2619	Intergenic	NM_001006074	tpk1	6.238134336	4.125040418	2.113093918	0.001609
peak_14457	chr11	2138574	2139127	11396	intron (NM_200495, intron 6 of 12)	NM_131530	hoxc6b	7.181430805	5.068396665	2.11303414	1.22E-06
peak_26109	chr12	36649401	36649948	-215152	Intergenic	NM_200770	fscn2b	7.470585103	5.35755992	2.113025184	0.000571
peak_23415	chr17	6130142	6130483	15914	exon (NM_001083553, exon 6 of 11)	NM_001083553	txlnbb	6.958780025	4.845843476	2.112936548	0.000199
peak_9239	chr2	43569945	43570962	94	promoter-TSS (NM_205674)	NM_205674	nrp1b	9.005873465	6.893546368	2.112327097	5.81E-09
peak_14367	chr21	4405513	4406133	-13165	intron (NM_131441, intron 3 of 22)	NM_201126	rapgef1b	6.390886011	4.278576185	2.112309826	1.12E-06
peak_19413	chr13	24537415	24537989	-2182	Intergenic	NM_001126381	rab4a	7.763494852	5.651534998	2.111959854	2.95E-05
peak_39627	chr15	14379578	14380223	23098	Intergenic	NR_030091		3.137236739	1.025291106	2.111945633	0.016949
peak_23221	chr24	18292182	18292584	-343149	intron (NM_001281991, intron 10 of 23)	NM_213495	cul1b	6.240462523	4.128817361	2.111645162	0.000185
peak_26898	chr10	37556864	37557562	21931	intron (NM_212686, intron 3 of 6)	NM_001089440	or104-1	5.249771591	3.138295802	2.111475789	0.000753
peak_17160	chr19	36425480	36425954	-3791	Intergenic	NM_001144054	ctnnal1	7.887243989	5.775794281	2.111449708	7.79E-06
peak_35415	chr24	27007338	27008032	20531	Intergenic	NR_030509		4.171874481	2.060746864	2.111127616	0.007526
peak_11971	chr1	59473443	59474936	54699	Intergenic	NM_001034182	sid4	8.842032059	6.731122459	2.110909599	1.31E-07
peak_21683	chr2	27463701	27464407	13250	Intergenic	NM_001020557	tmx3	7.225970493	5.115119534	2.110850959	9.32E-05
peak_11735	chr18	46917816	46918823	-31018	Intergenic	NM_001017558_1	ets1	8.26746068	6.156911213	2.110549467	1.02E-07
peak_30858	chr6	4086870	4087410	-218806	Intergenic	NM_200247	unc50	7.305707962	5.195720584	2.109987379	0.002532
peak_18560	chr25	37992082	37992570	105735	intron (NM_200913, intron 8 of 8)	NM_200913	wwox	6.451811972	4.341955631	2.109856342	1.84E-05
peak_12947	chr2	50421096	50422231	9279	intron (NM_001076601, intron 4 of 6)	NM_001076601	blvra	7.836562749	5.72702688	2.109535869	3.33E-07
peak_13188	chr2	513786	514243	-103736	Intergenic	NM_212920	wrnip1	7.170286606	5.06084893	2.109437676	4.19E-07
peak_39233	chr14	13475799	13476066	-235480	Intergenic	NM_001002326	pls3	2.329220506	0.219835396	2.10938511	0.015912
peak_18015	chr22	11580139	11580597	23018	intron (NM_001130818, intron 1 of 7)	NM_001130818	tspan7b	7.385636542	5.276261952	2.10937459	1.38E-05
peak_23390	chr22	14774608	14774877	-206479	Intergenic	NM_001024811	gtpbp1l	5.802505868	3.693268484	2.109237385	0.000197
peak_29122	chr24	31410122	31410533	-41978	Intergenic	NM_201451	hccs	7.396400313	5.287607435	2.108792878	0.001571
peak_33930	chr5	23926595	23927153	10171	intron (NM_001004296, intron 1 of 13)	NM_001004296	msna	7.339030839	5.230277049	2.108753789	0.005446
peak_30890	chr9	39784221	39784909	3759	Intergenic	NM_001105135	tas2r3	5.599779102	3.491142567	2.108636536	0.002547
peak_14871	chr15	35978099	35978622	-34685	Intergenic	NM_001040687	nphs1	7.772489573	5.663988967	2.108500606	1.65E-06
peak_12767	chr19	40176966	40177445	206249	Intergenic	NM_212579	col9a2	7.268891121	5.160491108	2.108400012	2.81E-07
peak_43384	chr8	29420431	29422515	-20318	Intergenic	NM_130972	par1	3.473004376	1.364650599	2.108353778	0.030351
peak_33856	chr6	12721971	12722397	41080	exon (NM_001039817, exon 8 of 13)	NM_001039817	bmpr2a	6.399796886	4.291688708	2.108108178	0.005333
peak_19962	chr14	26979307	26979558	-13069	Intergenic	NM_001001942	sparc	5.879389575	3.771295869	2.108093705	4.02E-05
peak_14254	chr1	13667555	13668046	185631	Intergenic	NR_048926		6.985979056	4.877972506	2.108006551	1.03E-06
peak_35943	chr9	42784885	42785192	-21538	Intergenic	NR_030747		5.521841655	3.414303678	2.107537977	0.008434
peak_30909	chr10	46337829	46338302	9393	intron (NM_200248, intron 8 of 10)	NM_200248	polm	3.226989601	1.119749037	2.107240564	0.002559
peak_33615	chr23	19247636	19248208	14876	intron (NM_131807, intron 2 of 2)	NM_200803	cox4i2	7.351509229	5.244274043	2.107235186	0.00504
peak_22465	chr8	52068448	52068861	41419	Intergenic	NM_200180	rmi1	6.890583222	4.78345278	2.107130442	0.000134
peak_36158	chr25	14461491	14461895	35561	intron (NM_001128347, intron 7 of 20)	NM_001128347	shank2	3.708761012	1.601791524	2.106969488	0.008856
peak_20042	chr9	24689325	24690013	-9536	Intergenic	NM_001005394	gypc	8.013946221	5.906998029	2.106948192	4.23E-05
peak_35812	chr17	14903406	14904086	-33185	Intergenic	NM_200350	ero1l	6.581975467	4.47542104	2.106554427	0.008225
peak_28252	chr21	11783438	11784115	80558	Intergenic	NM_001080655	pnpla7a	6.520884289	4.414503269	2.106381021	0.001189
peak_27791	chr10	6294816	6295147	25588	Intergenic	NM_213400	fam136a	4.071837003	1.965634947	2.106202057	0.001027
peak_12394	chr16	57661292	57662043	-42002	intron (NM_001039925, intron 11 of 11)	NM_001128260	zgc:172096	8.419043167	6.312933036	2.106110131	1.98E-07
peak_32066	chr2	18501438	18502176	8472	Intergenic	NM_001122714	si:dkey-236a14.5	6.121107357	4.015095146	2.10601221	0.003487
peak_13345	chr2	35620696	35621479	19654	intron (NM_173277, intron 1 of 27)	NM_173277	lamc1	8.497289491	6.391347152	2.105942339	4.89E-07
peak_13085	chr24	4431575	4432089	96126	Intergenic	NM_130918	fzd8a	7.453332799	5.347397141	2.105935658	3.83E-07
peak_14754	chr16	6532202	6532755	37617	Intergenic	NM_001020563	echdc1	8.748923108	6.643023688	2.10589942	1.52E-06
peak_14302	chr2	29063998	29064610	99886	Intergenic	NM_001076735	cdh18	7.852570034	5.746843876	2.105726159	1.06E-06
peak_21716	chr25	5153667	5154334	-48451	Intergenic	NM_001077725	athl1	7.334526822	5.228854372	2.10567245	9.46E-05
peak_19605	chr22	16045399	16045930	1283	exon (NM_131856, exon 2 of 3)	NM_131856	klf2a	6.878070886	4.772535316	2.105535571	3.29E-05
peak_24756	chr21	28221351	28221703	79863	Intergenic	NM_001003543	zgc:100829	6.197881892	4.092370581	2.105511311	0.000353
peak_23633	chr1	34378878	34379262	-17154	Intergenic	NM_001111204	zgc:172122	6.163852432	4.058395848	2.105456584	0.000218
peak_37911	chr8	53948418	53948973	-34653	Intergenic	NM_131436	npy8br	5.559239876	3.453836031	2.105403845	0.012547
peak_32847	chr21	23726480	23726963	86441	Intergenic	NM_001004630	sc5d	4.096540606	1.991157761	2.105382845	0.004216
peak_27980	chr20	41255133	41255460	454300	Intergenic	NM_001100023	si:dkey-233p4.1	6.363063968	4.258250941	2.104813027	0.001098
peak_25034	chr23	23797043	23797809	17426	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	7.216827558	5.112324717	2.104502842	0.000392
peak_30145	chr18	15426523	15426997	23870	Intergenic	NM_001045007	si:ch211-219a15.	5.412772711	3.308426298	2.104346414	0.00211
peak_11568	chr18	8749729	8750249	-87007	Intergenic	NM_131061	sema3ab	7.824449744	5.720161738	2.104288006	8.79E-08
peak_15190	chr12	9550568	9551573	-25870	Intergenic	NM_200161	reep3b	8.600985196	6.496787102	2.104198094	2.07E-06
peak_17924	chr3	56052962	56053651	-53903	Intergenic	NM_183066	hbae3	7.524716913	5.420659281	2.104057632	1.30E-05
peak_30297	chr2	41180541	41180892	-225124	Intergenic	NM_001020508	hs6st1a	4.895794583	2.791822054	2.10397253	0.00219
peak_27682	chr7	75475463	75475990	3702	intron (NM_001013341, intron 2 of 5)	NM_001013341	ywhae2	4.581988855	2.478277673	2.103711182	0.000983
peak_15224	chr13	27488240	27489042	-33963	Intergenic	NM_001076727	slc17a5	7.304317639	5.200629219	2.10368842	2.14E-06
peak_15592	chr5	33976130	33976671	-2753	Intergenic	NM_205757	dab2	7.119378255	5.015706182	2.103672074	2.78E-06
peak_35885	chr4	56173315	56173675	559543	Intergenic	NM_001111199	zgc:173710	2.812734601	0.709096771	2.10363783	0.008336
peak_26382	chr10	12086798	12087045	48306	intron (NM_001004502, intron 2 of 2)	NM_001004502	lpar1	5.63923599	3.536455663	2.102780328	0.000628
peak_39258	chr9	27682978	27683348	546004	Intergenic	NM_131023	efnb2a	5.8582772	3.755991099	2.102286101	0.015992
peak_30573	chr14	1291056	1291547	32933	Intergenic	NM_001128574	il21	4.234016866	2.132584471	2.101432395	0.002353
peak_11266	chr1	52769194	52769883	-51623	Intergenic	NM_001145598	cnn1a	9.976997383	7.875873586	2.101123797	6.41E-08
peak_16697	chr4	22805140	22805607	4241	intron (NM_001130599, intron 1 of 13)	NM_001130599	usp6nl	8.184763643	6.083685001	2.101078642	5.93E-06
peak_15834	chr13	47762541	47763128	99509	Intergenic	NM_001135791	bcl2l11	7.475411374	5.374421598	2.100989775	3.35E-06

peak_11190	chr7	47495994	47496670	-76958	Intergenic	NM_001020749	pop4	8.486829903	6.386199262	2.100630641	5.97E-08
peak_40698	chr14	17541296	17542379	-64975	Intergenic	NM_001044746	cnga5	2.320443851	0.219835396	2.100608455	0.020219
peak_40699	chr5	97646	97995	1158	intron (NM_001034985, intron 1 of 14)	NM_001034985	dcc	2.320443851	0.219835396	2.100608455	0.020219
peak_18021	chr18	12700794	12701208	-11891	Intergenic	NM_001044965	tldc1	7.495832091	5.395586624	2.100245468	1.38E-05
peak_12771	chr7	22917726	22918592	-37825	Intergenic	NM_001077144	tmem88b	9.629779396	7.529570244	2.100209152	2.83E-07
peak_13631	chr12	37031950	37032678	17828	Intergenic	NM_213304	socs3b	9.131140387	7.031097644	2.100042743	6.21E-07
peak_21902	chr13	42675456	42676186	11501	Intergenic	NM_001045256	cyp1b1	7.331261869	5.231314022	2.099947847	0.000104
peak_31787	chr14	39027498	39027957	820828	Intergenic	NM_001048055	lect2l	7.135453894	5.035772025	2.099681869	0.003256
peak_15129	chr10	1231516	1231912	37298	intron (NM_001009895, intron 2 of 6)	NM_001009895	pdlim5b	6.443499706	4.343921658	2.099578049	1.98E-06
peak_18773	chr2	14878649	14879135	9888	intron (NM_001024073, intron 1 of 6)	NM_001024073	cnn3b	6.837032371	4.737851131	2.099181239	2.08E-05
peak_16800	chr10	36505912	36506299	65568	Intergenic	NM_001014327	zgc:113255	7.547397456	5.448296171	2.099101285	6.31E-06
peak_30796	chr3	48404082	48404416	19577	Intergenic	NM_001003487	tmed1a	5.5223201	3.42336441	2.09895569	0.002486
peak_32717	chr20	8893339	8894102	-296671	Intergenic	NM_001040685	dab1a	7.220517732	5.121689183	2.098828549	0.00411
peak_17795	chr9	27923346	27923787	-439632	Intergenic	NM_001126402	si:rp71-84d19.3	6.950417981	4.851795472	2.098622509	1.20E-05
peak_26790	chr6	8267162	8267487	31730	Intergenic	NM_001040393	kalrnb	5.872253985	3.773685865	2.098568119	0.000726
peak_29009	chr19	25480978	25481187	86314	Intergenic	NM_001006014	xkr8.3	4.36386504	2.26556618	2.098298861	0.001514
peak_21513	chr9	14832983	14833542	-52196	Intergenic	NM_212966	nrp2b	7.748303763	5.650095061	2.098208702	8.59E-05
peak_20488	chr13	43064239	43064653	4582	intron (NM_001167662, intron 1 of 9)	NM_001167662	cpeb3	6.817259878	4.719156387	2.098103491	5.26E-05
peak_25745	chr19	802115	802566	7422	Intergenic	NM_001045195	nrm	5.74901935	3.651017171	2.098002179	0.000504
peak_23617	chr3	17117649	17118405	-63192	Intergenic	NM_001077392	hcrt	7.601498011	5.503854326	2.097643685	0.000216
peak_25904	chr8	26662281	26662716	7550	Intergenic	NM_001044811	taf10	5.023907976	2.926502939	2.097405037	0.000533
peak_16069	chr24	16933557	16934787	157855	Intergenic	NM_213297	zgc:85682	8.48841886	6.3911734	2.097245459	3.94E-06
peak_11704	chr24	43580888	43583723	-4521	Intergenic	NM_001007435	arhgap28	10.37028298	8.27319066	2.097092324	9.83E-08
peak_19130	chr10	43678571	43678997	-15770	Intergenic	NM_131269	tcf7l1a	7.711133293	5.614339877	2.096793416	2.55E-05
peak_27688	chr17	5089288	5089741	-4658	intron (NM_001002625, intron 2 of 11)	NM_212858	runx2a	6.216662509	4.120001303	2.096661205	0.000986
peak_26776	chr3	18427828	18428153	26200	intron (NM_001114906, intron 2 of 15)	NM_001114906	arhgap17b	4.916326378	2.819770889	2.096555489	0.000722
peak_21728	chr3	60077127	60077982	-112148	Intergenic	NM_001113799	zmp:000000068	7.133419628	5.036979441	2.096440187	9.52E-05
peak_16293	chr12	3969814	3970453	75050	Intergenic	NM_001080066	g6pc3	7.721930235	5.625529856	2.096400379	4.57E-06
peak_27749	chr8	13770539	13771156	15410	intron (NM_001045199, intron 4 of 5)	NM_001045199	kcnn1b	6.1736497	4.077334	2.0963157	0.001012
peak_34437	chr25	36833839	36834208	79818	Intergenic	NM_001159829	slc2a13b	6.100070516	4.003846138	2.096224378	0.006106
peak_42032	chr20	10189943	10190454	-29213	Intergenic	NM_001002066	zgc:86709	2.31603542	0.219835396	2.096200024	0.024789
peak_42031	chr20	1866789	1867730	98236	intron (NM_001278799, intron 12 of 49)	NM_001278799	lama2	2.31603542	0.219835396	2.096200024	0.024789
peak_42038	chr8	3776855	3777233	-67249	Intergenic	NM_001003548	rab35b	2.31603542	0.219835396	2.096200024	0.024789
peak_42033	chr20	12778614	12778886	276294	Intergenic	NM_173267	ints7	2.31603542	0.219835396	2.096200024	0.024789
peak_42029	chr12	30204907	30205915	-91939	Intergenic	NM_001170599	tbx21	2.31603542	0.219835396	2.096200024	0.024789
peak_42039	chr8	38986501	38986795	-44954	Intergenic	NM_001039526	prlhr2a	2.31603542	0.219835396	2.096200024	0.024789
peak_42035	chr3	9385246	9385595	-291279	Intergenic	NM_131836_1	sim2	2.31603542	0.219835396	2.096200024	0.024789
peak_42034	chr20	48915369	48915707	-5554	Intergenic	NR_030665		2.31603542	0.219835396	2.096200024	0.024789
peak_42030	chr2	10981263	10981556	-15691	Intergenic	NM_001003980	lhx8a	2.31603542	0.219835396	2.096200024	0.024789
peak_42036	chr5	69765482	69766017	-20502	Intergenic	NM_001013309	htatip	2.31603542	0.219835396	2.096200024	0.024789
peak_42037	chr7	74083704	74084041	149318	Intergenic	NM_001006020_1	ccdc149a	2.31603542	0.219835396	2.096200024	0.024789
peak_27940	chr7	15036529	15036877	-51988	intron (NM_001045106, intron 7 of 15)	NM_001199869	fes	6.164159047	4.067959343	2.096199704	0.001083
peak_10120	chr23	20053078	20054048	-49202	Intergenic	NM_200027	rpl10	8.859085089	6.763505902	2.095579187	1.78E-08
peak_11877	chr20	10173551	10174185	-12883	Intergenic	NM_001002066	zgc:86709	8.395152424	6.300012848	2.095139577	1.19E-07
peak_20105	chr19	28181629	28182413	80293	intron (NM_001099987, intron 4 of 24)	NM_001099987	adcy2b	8.224276299	6.129362432	2.094913867	4.37E-05
peak_36871	chr18	47039557	47040684	23914	intron (NM_131348, intron 5 of 8)	NM_001045169	kcnj1a.5	7.603321344	5.508602769	2.094718575	0.010298
peak_16858	chr20	46404162	46404655	28112	Intergenic	NM_131360	bmp2b	7.898545257	5.803906835	2.094638422	6.50E-06
peak_10968	chr15	17034572	17035228	24241	Intergenic	NM_201993	arcn1b	8.558416853	6.46415463	2.094262223	4.72E-08
peak_16519	chr5	16526042	16526572	-238163	Intergenic	NM_001128246	sc:d411	8.113497251	6.019264774	2.094232477	5.34E-06
peak_18494	chr5	51477885	51478225	-49518	Intergenic	NM_131180	nr2f1a	5.993762917	3.899617032	2.094145885	1.78E-05
peak_14100	chr7	70460567	70461080	-29728	Intergenic	NM_199682	ap1g1	7.02964059	4.935565603	2.094074987	9.14E-07
peak_26096	chr11	23924742	23925034	-73925	Intergenic	NM_212732	mdm4	5.472567065	3.378493083	2.094073982	0.000569
peak_39375	chr16	9156147	9156733	-51266	Intergenic	NM_001030206	ano10a	6.024563882	3.93059661	2.093967273	0.01627
peak_24972	chr7	15969356	15970017	51589	Intergenic	NM_200799	zgc:73349	7.279435008	5.185730014	2.093704994	0.000383
peak_33254	chr4	4604912	4605259	20145	intron (NM_001080651, intron 1 of 11)	NM_001080651	creb3l2	6.240171705	4.146611725	2.09355998	0.004653
peak_25625	chr8	38830487	38831377	18592	intron (NM_001128335, intron 1 of 1)	NM_001128335	adrb3a	7.334398546	5.240885881	2.093512665	0.000484
peak_42315	chr13	5076709	5077412	168886	Intergenic	NM_131893	meis1	6.447031973	4.353618322	2.093413651	0.025692
peak_13988	chr16	7113480	7114223	-136625	Intergenic	NM_001003516	zgc:100908	8.998008292	6.904652469	2.093355824	8.31E-07
peak_31451	chr8	50774924	50775287	3251	exon (NM_198800, exon 2 of 2)	NM_198800	nppa	6.103911502	4.010604142	2.09330736	0.002951
peak_32273	chr6	22936408	22936801	24394	intron (NM_001256241, intron 2 of 16)	NM_001256241	prkca	7.101832237	5.008597653	2.093234585	0.003665
peak_41458	chr17	15978083	15978409	46568	Intergenic	NM_001080054	znf395a	2.784293744	0.691124799	2.093168945	0.022803
peak_34342	chr12	151279	151730	-75637	Intergenic	NM_200462	dnah9	3.166915653	1.07379276	2.093122893	0.005975
peak_14528	chr5	30369569	30370076	-38518	Intergenic	NM_001089515	zgc:162228	8.24294058	6.150079169	2.092861411	1.28E-06
peak_25249	chr3	55534094	55534428	-13404	Intergenic	NM_001159970	s1pr2	6.05172188	3.958968517	2.092753364	0.000424
peak_36898	chr14	33084192	33084439	44323	intron (NM_001007399, intron 3 of 4)	NM_001007399	fgf13a	4.927290836	2.834791866	2.09249897	0.010358
peak_17090	chr24	33120867	33121351	258085	Intergenic	NM_001018143	trdmt1	7.189294452	5.096936519	2.092357932	7.45E-06
peak_11798	chr2	15379388	15380300	3625	intron (NM_001184954, intron 1 of 66)	NM_001184954	col11a1b	8.207591602	6.115377161	2.092214441	1.09E-07
peak_30004	chr2	19614880	19615640	3810	Intergenic	NM_131615	pbx1a	7.702715118	5.610584424	2.092130694	0.002026
peak_36381	chr14	35578405	35579074	-42115	Intergenic	NM_130946	wnt8a	7.725582605	5.633628857	2.091953748	0.00929
peak_39237	chr9	46050936	46051278	-10529	Intergenic	NM_001040004	retsatl	6.176709942	4.084991834	2.091718108	0.015916
peak_35946	chr4	25255738	25256502	-60934	Intergenic	NM_001014325	si:ch211-244b2.4	3.116958245	1.025291106	2.091667139	0.008443
peak_35542	chr22	17725258	17725620	1394	intron (NM_214770, intron 1 of 4)	NM_214770	rab11ba	5.811952101	3.720423669	2.091528433	0.007745
peak_32363	chr8	40587743	40588055	-688905	Intergenic	NM_001083829	pcsk5b	3.438945476	1.34754194	2.091403535	0.00375
peak_19648	chr15	34706450	34706895	157046	Intergenic	NM_001080189_1	zgc:158328	7.062656257	4.971255297	2.09140096	3.39E-05
peak_19767	chr8	44967092	44967418	-72297	Intergenic	NM_001004676	rassf2a	5.60704099	3.515709196	2.091331795	3.59E-05
peak_9597	chr13	53952343	53953606	-10103	intron (NM_199954_1, intron 4 of 4)	NM_200520	zgc:66337	8.924943573	6.83364353	2.091300043	9.56E-09
peak_17476	chr15	38227521	38228080	-14147	Intergenic	NM_131633	robo2	7.537470241	5.446519435	2.090950806	9.58E-06
peak_16664	chr8	34496120	34496603	-79355	Intergenic	NM_001136477	mvb12bb	6.552683493	4.461780239	2.090903254	5.80E-06
peak_28613	chr9	16125271	16125975	-352813	Intergenic	NM_200144	upp2	7.444004846	5.353197228	2.090807617	0.001337
peak_23785	chr6	21377597	21377890	531	intron (NM_001082841, intron 1 of 12)	NM_001082841	znf326	6.147161509	4.056449091	2.090712418	0.000235
peak_14859	chr12	9589610	9590210	12970	intron (NM_200161, intron 1 of 7)	NM_200161	reep3b	8.380884089	6.290238304	2.090645785	1.64E-06
peak_15533	chr14	45650688	45652271	-146326	Intergenic	NM_001007358	adra1bb	8.530995734	6.440361402	2.090634332	2.69E-06
peak_29838	chr8	45053558	45053907	14180	intron (NM_001004676, intron 1 of 9)	NM_001004676	rassf2a	6.208046443	4.117438985	2.090607458	0.001934
peak_22217	chr3	17668784	17669082	-11797	Intergenic	NM_001002649	aclya	5.280142431	3.189740715	2.090401716	0.00012
peak_26636	chr17	41448735	41449357	-9837	Intergenic	NM_001105660	mocs1	6.659437256	4.569136811	2.090300446	0.000684
peak_15982	chr18	42926610	42927364	16551	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	8.63447637	6.544344348	2.090132022	3.72E-06
peak_40432	chr4	22676759	22677057	17974	exon (NM_001017591, exon 9 of 10)	NM_001017591	cpm	4.533336158	2.443352351	2.089983806	0.019342
peak_15403	chr4	15780983	15781786	3199	exon (NM_001113433, exon 3 of 13)	NM_001113433	pkp2	8.78693756	6.697045241	2.089892319	2.42E-06
peak_33520	chr3	57889511	57890067	-160778	Intergenic	NM_001123516	fscn2a	7.366124557	5.27629767	2.089826887	0.004943
peak_11866	chr3	10861887	10862413	-50790	Intergenic	NM_001130786	pctp	8.230447121	6.140903947	2.089543175	1.17E-07
peak_29814	chr1	51150584	51150999	4292	intron (NM_001145624, intron 2 of 24)	NM_001145624	herc3	4.421549829	2.332063934	2.089485895	0.001922
peak_33693	chr8	9477971	9478592	5551	3' UTR (NM_131539, exon 7 of 7)	NM_131539	pim1	7.077411149	4.988028184	2.089382964	0.005137
peak_29625	chr22	33579541	33580118	83212	Intergenic	NM_001040377	zgc:136895	6.410706818	4.321477382	2.089229436	0.001817
peak_12864	chr6	26721632	26722248	43951	Intergenic	NM_001005925	stk25a	8.906644177	6.817440006	2.089204171	3.06E-07
peak_19977	chr14	19855273	19855627	1191	intron (NM_130945, intron 1 of 29)	NM_130945	flt4	5.759227137	3.670076812	2.089150325	4.06E-05
peak_31369	chr23	33127570	33127921	-376199	Intergenic	NR_029935		6.046741819	3.957809744	2.088932074	0.002895
peak_37743	chr13	41124	41436	1835	intron (NM_200001, intron 1 of 4)	NM_200001	smek2	4.389328476	2.300427624	2.088900852	0.012145
peak_25859	chr13	5574290	5574764	39559	exon (NM_213234, exon 2 of 8)	NM_213234	spred2b	6.629472474	4.540650831	2.088821643	0.000524
peak_39661	chr8	35459916	35461626	-7297	Intergenic	NM_200894_12	zgc:77614	2.563403173	0.474639816	2.088763357	0.017014
peak_34239	chr9	1017783	1018192	-19106	Intergenic	NM_001110451	stk24a	3.154623552	1.066840515	2.087783037	0.005824
peak_27848	chr19	5237557	5237947	-58745	Intergenic	NM_001128549	LOC799704	6.145317133	4.057668955	2.087648178	0.001047
peak_25925	chr15	4749817	4750092	76148	Intergenic	NM_001039993	lipt2	4.766538874	2.679269215	2.087269659	0.000537
peak_16251	chr13	37364908	37365341	5172	intron (NM_001020816, intron 1 of 13)	NM_001020816	frmd6	7.124911193	5.037764825	2.087146368	4.41E-06
peak_16878	chr2	35422930	35423556	-25623	Intergenic	NM_001020770	ankrd45	7.899195461	5.812053381	2.087142079	6.60E-06
peak_25367	chr19	50248056	50248735	-48589	Intergenic	NM_001033754	zgc:114119	7.576084575	5.489065322	2.087019253	0.000443

peak_30333	chr4	22787111	22787576	22271	intron (NM_001130599, intron 2 of 13)	NM_001130599	usp6nl	6.66769118	4.580692258	2.086998921	0.002216
peak_30416	chr5	72460033	72460575	-22616	intron (NM_200490, intron 4 of 12)	NM_001002336	mapkapk5	3.815860363	1.729271479	2.086588883	0.002263
peak_31593	chr7	13807216	13807648	-11726	Intergenic	NM_001100436	rplp2l	6.720042356	4.633628726	2.08641363	0.003078
peak_33724	chr7	44168566	44168877	-18975	TTS (NM_001127306)	NM_001201361	LOC100000576	5.480496525	3.394462368	2.086034158	0.005176
peak_29225	chr5	20841727	20842029	-43540	Intergenic	NM_212766	ranbp1	5.793416981	3.707514476	2.085902505	0.00162
peak_42211	chr3	48091825	48092657	32423	Intergenic	NM_201311	pmp22a	2.570823028	0.48510786	2.085715168	0.025361
peak_34504	chr13	6708035	6708329	48449	Intergenic	NM_205675	pitx3	5.437424198	3.351989761	2.085434438	0.006197
peak_36271	chr14	30454764	30454995	-190152	Intergenic	NM_001045414	zgc:153146	5.5810438	3.495837556	2.085206245	0.009064
peak_24510	chr2	16095743	16096127	101306	Intergenic	NM_001256616	sh3glb1b	6.699632849	4.614671825	2.084961024	0.000318
peak_21903	chr13	24627344	24627745	1226	intron (NM_001007161, intron 1 of 5)	NM_001007161	rab1a	6.594328508	4.509435881	2.084892628	0.000104
peak_11206	chr17	572754	573365	-15122	Intergenic	NM_001017876_2	fsip1	9.223393821	7.138595705	2.084798116	6.02E-08
peak_14895	chr20	8328016	8329414	268334	intron (NM_001040685, intron 17 of 25)	NM_001040685	dab1a	9.14984819	7.065105806	2.084742383	1.67E-06
peak_22165	chr20	7484904	7485347	-16561	Intergenic	NM_001287083	dsc2l	6.68278771	4.59838614	2.08440157	0.000117
peak_12772	chr15	15957699	15958615	52759	TTS (NM_001166205)	NM_001004118	gdpd1	8.433513285	6.349159651	2.084353634	2.83E-07
peak_32613	chr3	29659812	29660085	-2014	Intergenic	NM_001002061	rac2	5.921093522	3.836884157	2.084209365	0.003991
peak_9121	chr24	38225215	38226157	-47847	Intergenic	NM_001002675	ccr10	9.217403538	7.133492509	2.083911029	4.97E-09
peak_13434	chr6	8321384	8321855	-22565	Intergenic	NM_001040393	kalrnb	7.783237847	5.699361391	2.083876456	5.25E-07
peak_24836	chr18	31683292	31683651	-66684	Intergenic	NM_001126451	v2rh7	5.181599935	3.097912882	2.083687053	0.000364
peak_36036	chr12	6280136	6280597	-87578	Intergenic	NM_001002863	noc3l	3.756813261	1.673255946	2.083557315	0.00858
peak_36973	chr1	56971978	56972623	9174	exon (NM_201172, exon 6 of 9)	NM_201172	slc25a10	6.897813332	4.814336691	2.083476641	0.010526
peak_16154	chr13	40929446	40929928	-109043	Intergenic	NM_213119	slc25a28	6.857519022	4.774997283	2.082521739	4.15E-06
peak_20041	chr1	44772896	44773542	-49699	Intergenic	NM_001030268	cabp2a	6.856939063	4.774462441	2.082476622	4.23E-05
peak_13876	chr18	33566255	33566651	-6632	Intergenic	NM_001114446	tbrg1	7.088628509	5.006450937	2.082177572	7.57E-07
peak_23071	chr9	648985	650295	-47851	Intergenic	NM_212594_1	ybey	8.650193072	6.568519796	2.081673276	0.000174
peak_31126	chr14	9410538	9410846	-39124	Intergenic	NM_001161663	arhgef9b	3.674632506	1.593024686	2.081607819	0.002701
peak_18885	chr6	9174362	9174660	23207	Intergenic	NM_001017767	ube2g2	5.722150645	3.640713136	2.081437509	2.22E-05
peak_11914	chr16	52849409	52850304	200775	Intergenic	NM_001201489	efhb	8.372998566	6.291562405	2.081436161	1.24E-07
peak_16116	chr20	18371254	18371726	-11738	Intergenic	NM_213166	psma8	7.035379849	4.954137761	2.081242088	4.04E-06
peak_21241	chr7	48569944	48570575	-179434	Intergenic	NM_001195407	tshz3b	8.680696523	6.599595439	2.081101084	7.52E-05
peak_16989	chr1	8220789	8221759	232	exon (NM_001079934, exon 1 of 1)	NM_001079934	zgc:152698	8.606477026	6.52541095	2.081066076	7.00E-06
peak_9317	chr6	59013423	59015290	-79875	Intergenic	NM_001123374	shmt2	9.48316629	7.402116306	2.081049984	6.54E-09
peak_16695	chr6	17769390	17770901	-228673	Intergenic	NM_131029	ntn1a	7.54078002	5.459828093	2.080951928	5.93E-06
peak_18886	chr5	69023651	69024068	-6710	Intergenic	NM_131087	jak2b	7.901312156	5.820512675	2.080799481	2.23E-05
peak_27464	chr21	30720487	30720793	83119	Intergenic	NM_001098766	zgc:165573	5.329188601	3.248468257	2.080720344	0.000914
peak_41334	chr24	11894604	11895031	78067	intron (NM_199587, intron 7 of 9)	NM_199587	lztfl1	3.307048351	1.226539182	2.08050917	0.02241
peak_31897	chr3	44600163	44600550	191082	intron (NM_001080589, intron 1 of 1)	NM_001080589	hs3st4	6.553633649	4.473322667	2.080310982	0.003345
peak_16147	chr7	35418885	35419467	-13326	Intergenic	NM_001114317	map2k5	7.453214663	5.373031644	2.08018302	4.14E-06
peak_29019	chr14	41337688	41338049	356766	Intergenic	NM_001127519	pcdh19	6.02353062	3.943476074	2.080054546	0.00152
peak_14708	chr19	41922216	41923556	-20961	Intergenic	NM_182968	col1a2	9.121081693	7.041331582	2.079750111	1.47E-06
peak_17684	chr10	323728	324184	39598	intron (NM_131836, intron 4 of 5)	NM_199984	zgc:56039	5.795793521	3.716536446	2.079257075	1.11E-05
peak_21956	chr2	33170229	33170732	2594	exon (NM_001014308, exon 2 of 7)	NM_001014308	ccdc24	6.524737808	4.445863528	2.078874281	0.000107
peak_31123	chr9	1647818	1648185	4255	intron (NM_182889, intron 1 of 4)	NM_182889	nfe2l2a	3.712120089	1.633478908	2.078641181	0.0027
peak_33779	chr7	70863712	70864239	95739	Intergenic	NM_001100142	phlpp2	7.337808189	5.259180515	2.078627674	0.005237
peak_30742	chr23	34938010	34938447	259886	Intergenic	NM_212746	klf15	4.83374822	2.755201255	2.078546965	0.002454
peak_39269	chr21	1024743	1025056	-82803	Intergenic	NM_201138	txnl1	5.596602092	3.518134995	2.078467098	0.016008
peak_11321	chr9	46723341	46724080	-25333	intron (NM_200600, intron 13 of 14)	NM_001002736	asb1	8.647502714	6.569036359	2.078466354	6.81E-08
peak_20838	chr13	41783612	41784633	149551	exon (NM_001012482, exon 35 of 36)	NM_001281800	dkk1a	8.036705403	5.958651158	2.078054245	6.22E-05
peak_32996	chr12	25047312	25047857	-187388	Intergenic	NM_001035261	svila	7.038206785	4.960444216	2.077762569	0.004394
peak_33143	chr19	22698439	22698763	-2474	Intergenic	NM_001045159	nfatc1	5.65418239	3.576881517	2.077300873	0.004548
peak_20019	chr6	46313596	46313888	-30009	Intergenic	NM_001003535	pbrm1l	6.137494405	4.060342484	2.077151922	4.17E-05
peak_27905	chr15	26542711	26543039	-170411	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	6.064647647	3.987634874	2.077012773	0.001067
peak_14011	chr7	49687448	49688152	20404	Intergenic	NM_131427	cpeb1b	8.363323252	6.286489818	2.076833434	8.52E-07
peak_29509	chr4	40750159	40750588	-166077	Intergenic	NM_001100956	si:dkeyp-4c4.1	4.071837003	1.99545022	2.076386784	0.001763
peak_28702	chr7	52075357	52075690	-202122	Intergenic	NM_212439	per1b	6.547286778	4.470916048	2.076370729	0.001369
peak_26185	chr5	30551809	30552280	-59676	Intergenic	NM_001089376	stxbp1b	6.652447756	4.576139895	2.07630786	0.000587
peak_37524	chr4	29941374	29942090	-4696	intron (NM_001114900_1, intron 9 of 10)	NM_001114702	zgc:174710	5.931958922	3.856081782	2.075877139	0.011724
peak_18521	chr18	8752651	8753179	-84081	Intergenic	NM_131061	sema3ab	6.998959007	4.923211485	2.075747522	1.80E-05
peak_28459	chr20	3455875	3456258	77973	Intergenic	NM_001089520	zgc:162161	3.921456318	1.84573301	2.075723308	0.001273
peak_21840	chr6	16325065	16325396	-1218	Intergenic	NM_001002395	faimb	5.539021661	3.463879303	2.075142358	0.000101
peak_30439	chr16	28376024	28376612	106877	Intergenic	NM_001044848	arhgef1b	6.658784617	4.583732078	2.075052539	0.002276
peak_22927	chr18	14426930	14427329	-4197	Intergenic	NM_001044926	mtss1l	5.942028049	3.867026582	2.075001468	0.000163
peak_18634	chr7	67667426	67667811	-246325	Intergenic	NM_212949	pth1b	6.892435017	4.817626131	2.074808886	1.92E-05
peak_32303	chr11	5687982	5688704	-40607	Intergenic	NM_001030172	pex11g	3.212831541	1.138073908	2.074757632	0.003693
peak_12761	chr13	46229136	46229733	9557	intron (NM_001080635_1, intron 2 of 6)	NM_001080635_1	ldlrap1b	7.725057074	5.650469425	2.074587649	2.80E-07
peak_39000	chr4	40630334	40630669	-285949	Intergenic	NM_001100956	si:dkeyp-4c4.1	2.559678887	0.48510786	2.074571027	0.015271
peak_34529	chr21	30773278	30773816	30212	Intergenic	NM_001098766	zgc:165573	6.461104304	4.386621749	2.074482555	0.006225
peak_30680	chr16	45307037	45307346	-12305	Intergenic	NM_131506	tbx20	5.917824246	3.84373407	2.074090176	0.002414
peak_27206	chr11	32389404	32389972	6406	intron (NM_001002595, intron 1 of 4)	NM_001002595	egln1b	7.748207473	5.674193874	2.0740136	0.000833
peak_16484	chr18	12535782	12536131	63730	intron (NM_001075112, intron 3 of 5)	NM_001075112	tmem5	7.003441199	4.929439714	2.074001485	5.21E-06
peak_11819	chr21	11470811	11471310	-32458	Intergenic	NM_001040036	adora2ab	7.911048738	5.837145346	2.073903392	1.11E-07
peak_37260	chr25	257712	258729	14191	intron (NM_001077771_1, intron 2 of 2)	NM_001013455	zgc:114188	7.300393179	5.22655068	2.073842499	0.011131
peak_30246	chr3	37719178	37719784	61138	Intergenic	NM_131562	baxa	6.608618917	4.535087218	2.0735317	0.002166
peak_21835	chr16	16911776	16912187	28814	intron (NM_001077320, intron 5 of 9)	NM_001077320	deptor	6.5945693	4.521123147	2.073446153	0.000101
peak_39565	chr17	13123167	13123530	160460	Intergenic	NM_001172570	pnn	3.139733435	1.066840515	2.07289292	0.016797
peak_30758	chr12	8196125	8196438	70543	Intergenic	NM_001003552	slc16a9b	5.64630244	3.573487493	2.072814947	0.002461
peak_11648	chr25	9949380	9950024	-678103	Intergenic	NM_001039822	ehf	7.789324788	5.716818966	2.072505822	9.43E-08
peak_27252	chr20	7192131	7192680	-17553	Intergenic	NM_001168349	adcy1a	7.11158148	5.039150856	2.072430624	0.000848
peak_34954	chr16	22860257	22860580	37214	intron (NM_001034992, intron 2 of 4)	NM_001034992	LOC572950	3.436916749	1.364650599	2.07226615	0.006796
peak_11863	chr7	1643860	1644555	-10333	intron (NM_205658_1, intron 1 of 2)	NM_205559	lpcat4	7.730371088	5.658412491	2.071958596	1.17E-07
peak_36312	chr2	15820405	15820769	159199	intron (NM_001126393, intron 26 of 26)	NM_001126393	vav3b	5.579665287	3.507807067	2.07185822	0.009159
peak_28595	chr21	1488124	1488992	380856	Intergenic	NM_201138	txnl1	8.360437896	6.2886337	2.071804196	0.001328
peak_19230	chr2	43640588	43640958	-29511	Intergenic	NM_212928	itgb1b.2	5.987192641	3.915466035	2.071726606	2.68E-05
peak_21100	chr16	13564973	13565587	-2863	Intergenic	NM_001007314	cxcr3.2	6.342557128	4.270913428	2.0716437	7.03E-05
peak_26903	chr10	43610388	43610747	52447	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	5.086184638	3.014543285	2.071641353	0.000754
peak_16576	chr15	36565078	36565760	-16047	Intergenic	NM_200614	hsc70	8.177232854	6.105663282	2.071569571	5.51E-06
peak_31575	chr4	5870	6334	-10471	Intergenic	NM_182882	msgn1	6.83954138	4.768079129	2.071462251	0.003062
peak_19452	chr8	14857070	14857520	35342	intron (NM_001245100, intron 2 of 14)	NM_001245100	si:dkey-6n6.7	6.489592228	4.418159435	2.071432794	3.01E-05
peak_11517	chr19	46901970	46904845	3282	intron (NM_200242, intron 1 of 20)	NM_200242	eps8	10.68765513	8.616425835	2.071229296	8.33E-08
peak_29698	chr4	6979426	6980033	-27888	Intergenic	NM_001017823	phyh	4.429734144	2.358620092	2.071114051	0.001859
peak_38523	chr1	19211345	19211644	163588	Intergenic	NM_001044325	zgc:136652	2.555944961	0.48510786	2.070837101	0.014048
peak_16912	chr14	19629240	19629859	-30037	Intergenic	NM_001020594	neurl1b	7.45698084	5.386184768	2.070796072	6.72E-06
peak_38069	chr8	38718198	38718754	78553	Intergenic	NM_001083869	or135-1	2.544684847	0.474639816	2.070045031	0.012926
peak_10591	chr3	23606103	23607141	94207	Intergenic	NM_199214	col1a1a	8.513719311	6.443726373	2.069992938	3.04E-08
peak_31952	chr15	19111337	19111692	-24708	Intergenic	NM_001083838	med13b	6.029304008	3.959451525	2.069852483	0.003384
peak_17692	chr25	1228852	1229275	22115	Intergenic	NM_213027	zgc:73185	7.271747754	5.202243734	2.069504021	1.12E-05
peak_19558	chr5	22993650	22994243	-470	promoter-TSS (NM_001130600)	NM_001130600	bmp10	7.357420512	5.288073882	2.06934663	3.20E-05
peak_28855	chr2	45654938	45655351	64104	Intergenic	NM_213489	prpf38b	4.776246171	2.707023569	2.069222602	0.001446
peak_35406	chr18	32180751	32181111	27050	Intergenic	NM_001128247	LOC562852	4.859057077	2.789931663	2.069125414	0.007512
peak_28187	chr4	8641969	8642340	12484	Intergenic	NM_001123281	cdnf	6.073834811	4.004837909	2.068996902	0.001172
peak_28366	chr5	20650568	20650948	30473	intron (NM_201009, intron 8 of 18)	NM_201009	aacs	5.327547004	3.258623748	2.068923256	0.001235
peak_29450	chr21	7554049	7554573	8643	intron (NM_001030261, intron 4 of 12)	NM_001030261	wdr41	6.710417032	4.641789648	2.068627384	0.00173
peak_26695	chr9	16518026	16518597	-6269	Intergenic	NM_001083868	crfb4	5.199061934	3.130578961	2.068482973	0.0007
peak_17505	chr2	4317836	4318646	7570	intron (NM_001243875, intron 1 of 24)	NM_001243875	npc1	8.12309859	6.054646295	2.068452296	9.82E-06
peak_14947	chr14	13758793	13759351	47660	intron (NM_001002326, intron 10 of 15)	NM_001002326	pls3	6.52112369	4.453115922	2.068007769	1.73E-06
peak_18826	chr12	5593930	5594451	12158	intron (NM_001161653, intron 1 of 11)	NM_001161653	plce1	7.442481523	5.37473592	2.067745603	2.16E-05

peak_14499	chr11	741715	742534	17047	Intergenic	NM_001037119	tamm41	7.442860662	5.375474649	2.067386012	1.26E-06
peak_22250	chr2	37892623	37893399	16080	Intergenic	NM_001007105	acin1a	7.415752283	5.34845639	2.067295892	0.000122
peak_26243	chr15	2011033	2011419	130162	intron (NM_131769, intron 6 of 7)	NM_201121	sbds	6.474560731	4.407550443	2.067010289	0.000598
peak_20110	chr12	1143752	1144268	43103	Intergenic	NM_212695	kdelr2b	6.653964082	4.587356488	2.066607594	4.39E-05
peak_26069	chr22	30532962	30533284	-78266	Intergenic	NM_001111155	zgc:174651	5.215792616	3.149277765	2.066514852	0.000563
peak_30691	chr24	22779528	22779859	-68190	Intergenic	NM_131572	dap	6.108416946	4.042438469	2.065978477	0.00242
peak_18985	chr14	5156913	5157376	-234881	Intergenic	NM_001007134	lbx2	6.395087117	4.329110383	2.065976735	2.36E-05
peak_14192	chr5	4356529	4357894	17695	Intergenic	NM_001030199	sat1a.1	8.550981112	6.485015341	2.065965772	9.80E-07
peak_26837	chr20	54855399	54856051	-9270	intron (NM_001077734, intron 1 of 1)	NM_001045391	zgc:153512	6.900576266	4.834735561	2.065840705	0.000738
peak_36233	chr21	11464082	11464424	-31681	Intergenic	NM_201468	setb	5.993783045	3.928081521	2.065701524	0.008975
peak_29387	chr3	58236398	58237155	3071	TTS (NM_199950)	NM_199950	socs3a	6.944182559	4.878528543	2.065654016	0.001699
peak_39861	chr3	1839527	1840196	11134	Intergenic	NM_001111252	LOC100007703	5.970748769	3.90518999	2.065558779	0.017583
peak_18794	chr18	46737493	46738488	117492	Intergenic	NM_001037706	smtla	7.924355407	5.858823181	2.065532226	2.11E-05
peak_19923	chr18	37588691	37589061	34671	Intergenic	NM_001045552	mapk6	6.049419357	3.983903277	2.06551608	3.94E-05
peak_20100	chr25	6387527	6387886	-56423	Intergenic	NM_213019	ppib	5.127133121	3.06179801	2.065335111	4.36E-05
peak_19552	chr12	31901968	31902266	33136	Intergenic	NM_001164028	tdrd1	6.148729832	4.083654919	2.065074913	3.19E-05
peak_12659	chr15	44893851	44895258	46499	Intergenic	NM_001033749	sagb	8.93353883	6.868491783	2.065047048	2.52E-07
peak_30271	chr9	48677815	48678139	203941	Intergenic	NM_001003480	zgc:92380	4.023907976	1.959097469	2.064810507	0.002178
peak_42040	chr13	19170404	19170880	-158267	Intergenic	NM_199820	eif3s10	4.142225818	2.077505579	2.064720239	0.024793
peak_19171	chr6	14092770	14093542	-35576	intron (NM_001128547, intron 21 of 21)	NM_001113516	cacnb4b	7.02710447	4.962494663	2.064609806	2.60E-05
peak_26682	chr17	42802774	42803159	70503	Intergenic	NM_001080592	pax1a	6.759024161	4.694457135	2.064567026	0.000697
peak_16825	chr18	29358028	29358407	6008	Intergenic	NM_131844	maf	6.79717803	4.732838668	2.064339362	6.38E-06
peak_21014	chr25	10946128	10946596	-8826	Intergenic	NM_001177458	lrp5	7.304039413	5.239731741	2.064307672	6.76E-05
peak_25182	chr5	28076485	28076783	61168	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	5.835311813	3.771079879	2.064231934	0.000414
peak_39976	chr3	28635543	28636005	180636	Intergenic	NM_001201336	fbxl16	6.390608703	4.326650831	2.063957872	0.017966
peak_27386	chr18	14058824	14059399	-4699	Intergenic	NM_001110029	kcng4a	7.112226533	5.048323635	2.063902898	0.000887
peak_31063	chr14	5773195	5773678	49757	Intergenic	NM_001105124	kazald2	6.618524099	4.555095467	2.063428632	0.00266
peak_30820	chr14	17337577	17338323	138912	Intergenic	NM_001044746	cnga5	5.497199748	3.433842494	2.063357254	0.002508
peak_27056	chr9	14263498	14263893	121385	Intergenic	NM_001040366	prkag3b	5.802528849	3.739277579	2.063251271	0.000792
peak_16410	chr5	55648014	55648519	145400	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	7.415896059	5.35284686	2.063049199	4.94E-06
peak_27476	chr24	626975	627556	130004	intron (NM_001013328, intron 2 of 4)	NM_001083003	lancl2	5.441477378	3.378608641	2.062868737	0.000917
peak_26864	chr21	3232905	3233305	-33164	Intergenic	NM_213302	hnrnpabb	6.595024228	4.532178773	2.062845454	0.000744
peak_10455	chr7	62543852	62544668	101850	Intergenic	NM_213147	acox3	8.718692235	6.656227161	2.062465074	2.60E-08
peak_9642	chr23	32713447	32714780	82992	Intergenic	NM_200286	taf8	9.919698931	7.857426071	2.06227286	1.01E-08
peak_26152	chr24	16073566	16074438	-521863	Intergenic	NM_001098738	cbln2b	6.035015263	3.972788927	2.062226336	0.00058
peak_17027	chr3	62402023	62402660	-72022	Intergenic	NM_001013547	zgc:113295	7.151352378	5.0891397	2.062212678	7.13E-06
peak_24227	chr20	18301209	18301501	58397	Intergenic	NM_213166	psma8	5.570414389	3.508251802	2.062162586	0.000284
peak_34269	chr4	4060057	4060778	-58756	Intergenic	NM_001039890	asb15b	4.019847667	1.957723648	2.062124019	0.005862
peak_28017	chr20	27098580	27098949	16986	exon (NM_213017, exon 4 of 11)	NM_213017	itpk1	6.669204181	4.607170285	2.062033896	0.00111
peak_26530	chr11	10681074	10681437	76003	Intergenic	NM_198876	b3gnt5a	5.957719176	3.895740312	2.061978865	0.00066
peak_21872	chr5	47788493	47788927	-18611	intron (NM_001128340, intron 29 of 37)	NM_001114846	f2r	7.138265843	5.076397463	2.06186838	0.000103
peak_33958	chr16	27776546	27777162	1454	intron (NM_001080022, intron 2 of 6)	NM_001080022	mylipb	6.652435006	4.590657879	2.061777126	0.00548
peak_29350	chr10	42928869	42929361	-114182	Intergenic	NM_001002414	cabp1b	5.918530187	3.856770549	2.061759639	0.001684
peak_23045	chr9	2435412	2435736	-28428	Intergenic	NM_199738	scrn3	6.020146937	3.958634803	2.061512134	0.000172
peak_35602	chr25	30158334	30158688	12808	intron (NM_001003488, intron 2 of 9)	NM_001003488	pkmb	4.288041959	2.226763905	2.061278054	0.007845
peak_37573	chr7	40043459	40043828	6847	Intergenic	NM_205582	npsnl	3.667729028	1.606593419	2.061135609	0.011796
peak_23954	chr6	16290662	16291182	33090	Intergenic	NM_001002395	faimb	7.13718207	5.076165648	2.061016422	0.000252
peak_25829	chr18	26966231	26966521	-44125	Intergenic	NM_001030263	rcn2	5.89022339	3.829411719	2.060811671	0.000518
peak_33970	chr12	13329216	13329656	573245	Intergenic	NM_001114932_1	wapalb	5.020485663	2.95973677	2.060748893	0.005492
peak_42655	chr21	28731705	28732044	-19753	Intergenic	NM_001007382	ttc1	2.751830549	0.691124799	2.06070575	0.027087
peak_26250	chr18	12091454	12091675	-12755	Intergenic	NM_205609	tbxas1	5.225227423	3.164532058	2.060695365	0.0006
peak_31167	chr11	22407168	22407626	10915	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	6.961968186	4.901411921	2.060556264	0.002734
peak_22881	chr2	41507839	41508302	-36748	intron (NM_001020567, intron 2 of 14)	NM_001080597	d2hgdh	7.284089372	5.223613585	2.060475788	0.000159
peak_18276	chr15	9013152	9013612	-21718	Intergenic	NM_001004002	rab4b	7.440844819	5.38073901	2.06010581	1.59E-05
peak_28856	chr23	12616458	12616783	-56692	Intergenic	NM_001077368	snx21	5.527095843	3.467040131	2.060055711	0.001447
peak_24423	chr23	13332403	13332674	-307417	Intergenic	NM_001282089	ndnl2	5.313761648	3.25374179	2.060019859	0.000307
peak_30553	chr9	15734207	15734661	-33563	Intergenic	NM_131520	fn1a	3.848367416	1.78859519	2.059772226	0.002339
peak_18360	chr23	35003655	35004164	194205	Intergenic	NM_212746	klf15	7.065777706	5.006179482	2.059598224	1.66E-05
peak_36002	chr9	392156	393093	5422	intron (NM_001034185, intron 4 of 9)	NM_001034185	crfb5	6.975504237	4.916092544	2.059411693	0.008534
peak_34809	chr13	34235019	34235302	-183525	intron (NM_200549, intron 5 of 19)	NM_001256646	flrt3	3.179103907	1.119749037	2.059354871	0.006567
peak_34182	chr24	17256468	17257121	160683	TTS (NM_001271670)	NM_001271670	sema5a	3.273336808	1.214007405	2.059329404	0.005739
peak_21412	chr18	29650081	29650694	197471	Intergenic	NM_001282139	cmc2	6.909220696	4.850146503	2.059074193	8.19E-05
peak_22650	chr1	24842307	24842941	-48576	Intergenic	NM_200854	myoz2b	7.2920083	5.233189475	2.058818824	0.000145
peak_10790	chr4	1279532	1280396	304	intron (NM_001003981, intron 1 of 4)	NM_001003981	ptn	8.306823308	6.248113768	2.05870954	3.82E-08
peak_36861	chr16	42944901	42945250	-22516	Intergenic	NM_001017358	rspo3	5.690921903	3.632345236	2.058576667	0.010278
peak_28719	chr14	32936452	32937013	44581	Intergenic	NM_001001837	zic6	6.771187674	4.71293107	2.058256604	0.001377
peak_23341	chr5	10423502	10423841	79288	Intergenic	NM_001080038	zgc:158343	6.656594306	4.598387012	2.058207294	0.000193
peak_32491	chr16	40333029	40333473	-419120	Intergenic	NM_001037432	zgc:123285	6.629472474	4.571474063	2.057998411	0.003883
peak_18912	chr6	22534445	22535328	-59997	Intergenic	NM_001098754	igfbp5b	6.889460184	4.831533879	2.057926305	2.25E-05
peak_35153	chr8	17039034	17039477	-55402	Intergenic	NM_001128408	rnf11b	4.659872185	2.601964782	2.057907403	0.007112
peak_29543	chr2	47546255	47546557	-23783	Intergenic	NM_001145932	acsl3b	5.945977262	3.888194755	2.057782508	0.001782
peak_16643	chr15	10800753	10801950	266786	intron (NM_130969, intron 10 of 31)	NM_130969	odz4	9.365061925	7.307319158	2.057742767	5.73E-06
peak_40812	chr18	33623250	33623527	50303	Intergenic	NM_001114446	tbrg1	4.666813271	2.609160782	2.057652489	0.02061
peak_34278	chr22	38488423	38488678	96905	Intergenic	NM_001113587	hykk.2	5.321511783	3.26387891	2.057632872	0.005872
peak_12169	chr18	35115108	35117102	6484	Intergenic	NM_001007312	fosb	9.116093448	7.058686051	2.057407396	1.58E-07
peak_17222	chr8	29455827	29456267	14256	Intergenic	NM_130972	par1	6.495953894	4.438680811	2.057273083	8.14E-06
peak_36695	chr9	36446053	36446376	164020	intron (NM_131830, intron 1 of 16)	NM_131830	ncam2	4.134662696	2.077505579	2.057157117	0.009899
peak_30165	chr18	25146005	25146372	38549	Intergenic	NM_001098193	gnrhr4	4.639677051	2.582598103	2.057078948	0.002119
peak_28825	chr24	7776437	7776847	25731	intron (NM_001114549, intron 1 of 1)	NM_001114549	ptrfb	6.007879611	3.951369464	2.056510146	0.001429
peak_10835	chr2	34267234	34267720	-411475	Intergenic	NM_001003878	cenpl	8.678172983	6.621734895	2.056438088	4.04E-08
peak_25553	chr24	28063196	28063523	63225	Intergenic	NM_001077583	zmynd11	5.459606226	3.403239339	2.056366887	0.000473
peak_32144	chr13	22434392	22434705	-22880	Intergenic	NM_001201566	usp54a	4.479047217	2.422723278	2.056323939	0.003534
peak_42319	chr11	28459018	28459250	39201	Intergenic	NM_001024949	barx1	5.604783811	3.548482509	2.056301302	0.025707
peak_29188	chr1	9886260	9886553	-9915	Intergenic	NM_131671	atp1b1b	5.672884589	3.616668363	2.056216226	0.001602
peak_25997	chr2	45160756	45161136	17881	Intergenic	NM_001253811	chrng	7.019479133	4.963369195	2.056109938	0.00055
peak_38177	chr4	32311427	32312057	-10401	Intergenic	NM_001204396	zgc:174703	3.473119882	1.417012915	2.056106967	0.013214
peak_15872	chr1	20677738	20678135	38849	Intergenic	NM_206888	melk	6.662057529	4.606080561	2.055976968	3.44E-06
peak_18386	chr5	18181209	18181852	68858	Intergenic	NM_001080199	piwil2	8.51076527	6.454795996	2.055969275	1.69E-05
peak_11766	chr13	37144630	37145563	18224	intron (NM_199913, intron 3 of 32)	NM_199913	map4k5	8.303822591	6.248051618	2.055770973	1.05E-07
peak_27379	chr25	19693936	19694226	2757	exon (NM_213101, exon 4 of 5)	NM_213101	hapln3	5.40501031	3.349267598	2.055742713	0.000885
peak_24513	chr14	15355463	15355803	40128	intron (NM_200376, intron 2 of 6)	NM_200376	fgfrl1a	5.772607719	3.717155376	2.055452343	0.000319
peak_31842	chr16	44778590	44779042	4504	exon (NM_001037375, exon 8 of 8)	NM_001037375	etv2	6.113805495	4.058522917	2.055282579	0.003305
peak_29463	chr8	12714393	12714792	78963	Intergenic	NM_001024214	endog	6.172143822	4.116967228	2.055176595	0.001738
peak_20096	chr13	29357901	29358261	6068	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	5.753532991	3.698406646	2.055126345	4.35E-05
peak_26315	chr18	23224466	23224812	250058	Intergenic	NM_131301	mef2aa	5.995851639	3.940800423	2.055051216	0.000613
peak_33559	chr12	18376659	18377294	107863	intron (NM_001002607, intron 6 of 6)	NM_001002607	rnls	5.808425591	3.753432482	2.054993108	0.004977
peak_20853	chr3	57837303	57837810	133271	Intergenic	NM_001099249_2	zgc:165627	6.892445813	4.837587379	2.054858434	6.25E-05
peak_20160	chr1	48951665	48951930	623071	Intergenic	NM_001077556	ccdc147	5.659437256	3.604839961	2.054597296	4.49E-05
peak_10388	chr17	404968	406018	-9991	Intergenic	NM_001020803	chrm5a	10.45815348	8.403566915	2.054586563	2.40E-08
peak_36942	chr17	14385481	14385709	-58988	Intergenic	NM_200482	jkamp	5.68535349	3.63116748	2.05418601	0.010431
peak_14354	chr5	73269591	73270160	-110109	Intergenic	NM_001003629	rgs3a	6.860360136	4.806492384	2.053867752	1.10E-06
peak_40483	chr10	969047	969462	-16538	Intergenic	NM_001099984_1	unc5c	5.963368041	3.909781161	2.05358688	0.019529
peak_17647	chr13	5502293	5502736	111572	Intergenic	NM_213234	spred2b	7.456855703	5.403345188	2.053510515	1.09E-05
peak_20051	chr4	29512278	29512660	-32873	Intergenic	NM_001123254	LOC560232	6.077727199	4.024419805	2.053307394	4.25E-05
peak_13053	chr6	57968415	57968972	86581	intron (NM_212908, intron 1 of 6)	NM_212908	tox2	8.356012063	6.30291203	2.053100033	3.72E-07

peak_12246	chr14	41242694	41243482	451546	Intergenic	NM_001127519	pcdh19	7.917348371	5.8642982	2.053050171	1.70E-07
peak_15145	chr17	44225126	44226009	70528	Intergenic	NM_131251	otx2	8.571801766	6.518821554	2.052980212	2.01E-06
peak_21404	chr16	42288946	42289325	-51786	Intergenic	NM_182855	tgfbr2	6.470818537	4.417912464	2.052906073	8.16E-05
peak_35466	chr15	20264178	20264536	25980	intron (NM_001128755, intron 2 of 13)	NM_001128755	ubash3bb	5.878642414	3.826080439	2.052561975	0.007595
peak_24890	chr12	31429589	31429998	94201	Intergenic	NM_131731	gfra1b	6.794990225	4.742463276	2.052526949	0.000372
peak_26539	chr14	6944871	6945214	8852	intron (NM_199683, intron 1 of 2)	NM_199683	eif4ebp3l	5.517528496	3.465245785	2.052282711	0.000662
peak_21855	chr17	49912146	49912600	5095	intron (NM_001278851, intron 1 of 7)	NM_001278851	shroom3	6.960369836	4.908149014	2.052220822	0.000102
peak_18176	chr11	19585205	19585542	5943	exon (NM_001257196, exon 3 of 30)	NM_001257196	adamts9	6.13403673	4.081992265	2.052044465	1.51E-05
peak_30727	chr3	19909512	19909780	9506	TTS (NM_001005573)	NM_001005573	tmub2	4.839902879	2.788027643	2.051875236	0.002443
peak_21720	chr25	8392372	8392616	30981	Intergenic	NM_178306	tph1a	5.503998454	3.452266517	2.051731937	9.48E-05
peak_29659	chr24	19521327	19521797	-238125	Intergenic	NM_001089499	zgc:162928	6.476784117	4.425100163	2.051683954	0.001838
peak_18284	chr25	13984843	13985436	20	promoter-TSS (NM_001077382)	NM_001077382	ano10b	8.206388123	6.154751057	2.051637066	1.60E-05
peak_14742	chr6	52524669	52525119	-6695	Intergenic	NM_001076755	uqcc1	7.85027972	5.79869447	2.05158525	1.50E-06
peak_12517	chr16	15468360	15468972	31374	Intergenic	NM_200151	josd2	9.732288157	7.68082485	2.051463307	2.23E-07
peak_12726	chr5	75418929	75419628	2563	intron (NM_001101670, intron 3 of 6)	NM_001101670	tbx3a	7.752099986	5.700823153	2.051276833	2.71E-07
peak_19657	chr12	27492577	27492949	-1601	Intergenic	NM_001020652	sncgb	6.894110386	4.843087433	2.051022953	3.41E-05
peak_15268	chr6	50622571	50623149	13611	intron (NM_001123252, intron 1 of 14)	NM_001123252	si:dkey-46l15.1	7.676328145	5.625574241	2.050753904	2.21E-06
peak_25267	chr9	22629223	22629883	60323	Intergenic	NM_001123235	arhgef7a	7.057519937	5.006924404	2.050595534	0.000427
peak_28150	chr19	42104398	42104777	-26035	Intergenic	NM_001017628	asb4	6.00651233	3.955965992	2.050546337	0.001159
peak_37771	chr19	11526358	11526872	-5348	Intergenic	NM_205676	tpm3	6.132157201	4.081652855	2.050504347	0.012211
peak_40172	chr3	49752715	49753091	19343	intron (NM_201307, intron 5 of 14)	NM_201307	ndel1b	5.323709331	3.273245387	2.050463943	0.018536
peak_29726	chr12	28964839	28965309	-68174	Intergenic	NM_001002450	meox1	6.46186731	4.411469436	2.050397874	0.001873
peak_13328	chr20	2523385	2524062	89031	Intergenic	NM_001003990	med23	8.626916501	6.576523996	2.050392504	4.77E-07
peak_35461	chr5	32528259	32528506	34807	intron (NM_001083847, intron 2 of 11)	NM_001083847	spns2	5.485412503	3.435061658	2.050350846	0.007584
peak_16376	chr16	2891085	2891713	270604	Intergenic	NM_001162542	adcy3l	7.07577281	5.025444982	2.050327828	4.82E-06
peak_10254	chr9	29354991	29355736	-47064	Intergenic	NM_001017818	creb1b	9.631867366	7.58169865	2.050168716	2.07E-08
peak_21689	chr3	28764581	28764924	51658	Intergenic	NM_001201336	fbxl16	6.601844188	4.551886329	2.04995786	9.35E-05
peak_23637	chr5	9149006	9150149	8603	intron (NM_001002042_1, intron 1 of 4)	NM_001002042_1	mybbp1a	8.546968894	6.497053467	2.049915426	0.000218
peak_20092	chr24	13841334	13841601	12205	intron (NM_131193, intron 3 of 18)	NM_131193	eya1	6.235510627	4.185629399	2.049881228	4.34E-05
peak_25534	chr25	15535530	15535854	35413	3' UTR (NM_131046, exon 9 of 9)	NM_131046	wt1a	6.07707603	4.027538339	2.049537692	0.000469
peak_31015	chr21	35336889	35337260	-3713	Intergenic	NM_001007217	gpr34l	5.505935071	3.456482015	2.049453055	0.002624
peak_29245	chr18	11289315	11289587	211033	Intergenic	NM_001013335	zgc:110789	5.552201346	3.502890819	2.049310527	0.001636
peak_28075	chr1	17348296	17348517	8522	intron (NM_131859, intron 1 of 6)	NM_131859	klf3	5.568562475	3.519287453	2.049275021	0.00113
peak_25604	chr18	39661335	39661659	7182	intron (NM_212831, intron 1 of 13)	NM_212831	veph	6.181564593	4.132308327	2.049256266	0.000481
peak_12927	chr16	3051418	3051993	110298	Intergenic	NM_001162542	adcy3l	7.36077624	5.311674553	2.049101687	3.25E-07
peak_16175	chr5	37679889	37680653	106930	Intergenic	NM_001004659	zgc:103697	7.437394599	5.388546904	2.048847696	4.21E-06
peak_25935	chr14	9994138	9994511	-200633	intron (NM_001142584, intron 5 of 9)	NM_213447	tmem129	6.290307433	4.241648099	2.048659334	0.000538
peak_26980	chr5	18339873	18340140	-89618	Intergenic	NM_001080199	piwil2	5.695595968	3.647227871	2.048368097	0.000774
peak_18762	chr9	14845485	14845970	-64661	Intergenic	NM_212966	nrp2b	6.801137967	4.752776022	2.048361945	2.06E-05
peak_13219	chr6	59529150	59529970	12969	intron (NM_001142376, intron 4 of 16)	NM_001142376	caskb	7.653758481	5.605490385	2.048268096	4.29E-07
peak_30335	chr18	31279363	31279786	-5428	Intergenic	NM_001007395_2	def8	5.199096849	3.150878667	2.048218182	0.002217
peak_31382	chr9	31758262	31758571	5060	intron (NM_001109865, intron 1 of 5)	NM_001109865	klf12b	5.57321475	3.525036349	2.048178401	0.002902
peak_22994	chr22	32759215	32759476	22394	intron (NM_199663, intron 2 of 17)	NM_199663	add3a	5.77822722	3.730091963	2.048135258	0.000169
peak_31474	chr1	23743215	23743636	291026	Intergenic	NM_001130587	tmem154	6.757411181	4.709515929	2.047895252	0.002977
peak_32129	chr25	28184289	28184936	-92444	Intergenic	NM_001245960	pot1	6.55527105	4.507390156	2.047880894	0.003525
peak_10262	chr22	32778409	32779485	41996	intron (NM_199663, intron 3 of 17)	NM_199663	add3a	10.38699996	8.339474644	2.047525314	2.10E-08
peak_31832	chr12	41014457	41014834	663244	Intergenic	NM_001099246	abca5	6.850655209	4.803191571	2.047463638	0.003293
peak_21658	chr19	18340308	18340652	-22054	Intergenic	NM_173234	rps18	6.176405983	4.129672156	2.046733827	9.24E-05
peak_18398	chr20	45112242	45112599	408596	Intergenic	NM_001013534	zgc:103511	6.418468701	4.371857483	2.046611218	1.69E-05
peak_14098	chr13	46244605	46245291	-5957	Intergenic	NM_001080635_1	ldlrap1b	7.658439141	5.611910493	2.046528648	9.13E-07
peak_19924	chr15	32352133	32353052	212158	Intergenic	NM_199743	zgc:73340	7.598998737	5.552900903	2.046097833	3.94E-05
peak_21891	chr22	10763576	10764336	-6330	intron (NM_001004550, intron 2 of 5)	NM_001002402	tusc2b	8.62702448	6.581026778	2.045997702	0.000104
peak_33227	chr23	25219089	25219451	-91	promoter-TSS (NM_207081)	NM_207081	klhl21	6.144677645	4.098757674	2.045919972	0.004627
peak_33976	chr20	191609	192056	-6762	Intergenic	NM_001030209	si:ch211-241j12.3	4.065285294	2.019537944	2.04574735	0.0055
peak_41917	chr9	468095	469563	-26669	Intergenic	NM_001080074_1	zgc:158316	8.274740731	6.229197362	2.045543369	0.024391
peak_42563	chr13	43554243	43554605	139249	intron (NM_214809, intron 8 of 68)	NM_214809	cdh23	6.485917491	4.440499183	2.045418308	0.026706
peak_14619	chr13	13643248	13643987	11512	intron (NM_001159828, intron 1 of 19)	NM_001159828	slc4a11	7.748814933	5.703439621	2.045375312	1.37E-06
peak_13788	chr15	3753812	3754415	-4909	Intergenic	NM_001080055	lpar6a	7.307374584	5.262003331	2.045371253	7.00E-07
peak_19016	chr18	10265356	10265765	-104110	Intergenic	NM_200321	rbm28	7.603427806	5.558398605	2.045029201	2.40E-05
peak_29109	chr23	18795823	18796268	-15894	Intergenic	NM_001080694	zgc:158296	6.223168825	4.178454872	2.044713953	0.001563
peak_31514	chr13	5193644	5193954	52147	intron (NM_131893, intron 8 of 12)	NM_131893	meis1	4.55506453	2.510504698	2.044559832	0.003009
peak_21001	chr17	4779224	4779754	-49460	Intergenic	NM_201084	cdc5l	7.413045791	5.368492417	2.044553374	6.71E-05
peak_33390	chr14	37008489	37008876	39938	intron (NM_131895, intron 3 of 15)	NM_131895	gria2b	5.780228892	3.735740185	2.044488708	0.004806
peak_39248	chr23	143776	144543	5536	intron (NM_001077296, intron 7 of 7)	NM_001077296	zgc:153351	5.558307017	3.513873472	2.044433544	0.015954
peak_39902	chr9	27582551	27583858	446045	Intergenic	NM_131023	efnb2a	2.529533336	0.48510786	2.044425476	0.01771
peak_20409	chr6	49002460	49003163	9476	TTS (NM_001118894)	NM_001118894	sycp1	7.312793981	5.268632185	2.044161797	5.11E-05
peak_24632	chr22	23709741	23710429	-25650	Intergenic	NM_001002404	glrx2	6.963730638	4.919573192	2.044157446	0.000335
peak_39203	chr4	52272737	52273376	-1198450	Intergenic	NM_001109839_1	zgc:173617	4.992402332	2.948297214	2.044105118	0.015832
peak_15276	chr23	18872918	18873388	5133	TTS (NM_001006008)	NM_001006008	zgc:103759	6.347441249	4.303366269	2.04407498	2.22E-06
peak_10635	chr12	48922166	48922778	-13159	Intergenic	NM_130934_1	hhex	9.689577298	7.645647993	2.043929305	3.25E-08
peak_18051	chr2	47965803	47966155	88876	intron (NM_001076634, intron 3 of 3)	NM_001100050	mbnl1	6.158304233	4.114603653	2.04370058	1.40E-05
peak_37446	chr5	69767356	69768094	-22478	Intergenic	NM_001013309	htatip	3.238682765	1.19500324	2.043679525	0.011542
peak_23119	chr15	26586173	26586819	-126790	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	7.955668201	5.912566586	2.043101615	0.000178
peak_37291	chr13	31211877	31212224	37272	Intergenic	NM_001083819	vstm4a	5.384042612	3.341067985	2.042974626	0.011205
peak_18502	chr22	17959159	17959589	-46509	Intergenic	NM_201494	tjp3	6.734397134	4.691589894	2.04280724	1.78E-05
peak_29719	chr21	11494303	11494717	-9008	Intergenic	NM_001040036	adora2ab	6.747178552	4.704382972	2.04279558	0.001868
peak_29846	chr2	13871306	13871782	131062	Intergenic	NM_201064	zgc:66475	6.611571016	4.568790378	2.042780637	0.001938
peak_10293	chr20	19146979	19147712	58	promoter-TSS (NM_001080750)	NM_001080750	sox7	9.345076759	7.302314453	2.042762305	2.17E-08
peak_28939	chr9	41703268	41703745	83786	Intergenic	NM_001128564	vwc2l	6.264751023	4.221998758	2.042752265	0.001485
peak_38305	chr17	14522486	14523000	-10409	Intergenic	NM_001204257	ppp1r13ba	5.191861895	3.149254152	2.042607743	0.01353
peak_29459	chr5	74043931	74044299	103276	Intergenic	NM_001017876_1	fsip1	5.854840097	3.812294641	2.042545455	0.001736
peak_13531	chr7	68533760	68534181	-65838	Intergenic	NM_001110471_1	parvab	8.212060044	6.1696769	2.042383144	5.67E-07
peak_32648	chr5	59362201	59362668	88466	Intergenic	NM_198121	btg4	6.376917506	4.33460886	2.042308646	0.004028
peak_20132	chr9	22386649	22387030	-5483	exon (NM_212674, exon 21 of 23)	NM_207087	n6amt2	6.868484765	4.826302279	2.042182486	4.44E-05
peak_29912	chr8	31813120	31813791	14081	intron (NM_001123317, intron 1 of 15)	NM_001123317	si:ch211-251j10.3	6.391409909	4.349266561	2.042143348	0.001976
peak_38529	chr16	51633560	51634006	-28958	intron (NM_199595, intron 9 of 13)	NM_001003763	eif3ha	4.342286181	2.300427624	2.041858557	0.014062
peak_15689	chr21	1582067	1582955	-326640	Intergenic	NM_205605	wdr91	9.05938759	7.017759725	2.041627864	3.04E-06
peak_26829	chr10	8130191	8130528	23172	intron (NM_001009560, intron 1 of 55)	NM_001009560	tln1	5.911607352	3.870096999	2.041510353	0.000735
peak_14738	chr2	45883479	45884232	-137443	Intergenic	NM_001045316	fam102ba	8.143589609	6.102209154	2.041380455	1.50E-06
peak_15370	chr1	42320532	42320951	88948	Intergenic	NM_201502	smox	7.27031599	5.228971392	2.041344598	2.36E-06
peak_23623	chr12	23754704	23755328	-43945	Intergenic	NM_001024454	nsfb	7.900392235	5.859324401	2.041067834	0.000217
peak_37808	chr16	58330936	58331354	3794	exon (NM_200629, exon 3 of 3)	NM_200629	zgc:63489	5.029977095	2.989452946	2.040524149	0.012299
peak_23547	chr25	5817381	5817682	-24922	Intergenic	NM_001197316	plxnb2b	6.117311941	4.07699012	2.040321821	0.00021
peak_31974	chr7	42716451	42716943	-461980	Intergenic	NM_199843	shcbp1	6.272149624	4.232192323	2.039957301	0.003408
peak_15493	chr25	13350011	13350729	-31859	Intergenic	NM_001122702	LOC569861	8.505746566	6.465873615	2.039872951	2.60E-06
peak_32304	chr24	7586741	7587041	113893	Intergenic	NM_001076562	galnt11	5.979527054	3.939907752	2.039619302	0.003693
peak_40334	chr15	16239232	16239644	-50517	Intergenic	NM_212706	cul5a	5.277310655	3.237731543	2.039579112	0.019033
peak_11058	chr12	25117339	25118093	-117256	Intergenic	NM_001035261	svila	9.024655701	6.985171914	2.039483787	5.26E-08
peak_33638	chr14	18718854	18719397	-22553	Intergenic	NM_001256194	slbp	6.624329989	4.584933595	2.039396394	0.005077
peak_16473	chr18	8967486	8968077	20227	intron (NM_001045084, intron 1 of 16)	NM_001045084	sema3e	7.567281141	5.528516462	2.038764679	5.17E-06
peak_12022	chr24	42111186	42111768	140850	Intergenic	NM_001020507	smyhc1	9.917785605	7.879276089	2.038509516	1.37E-07
peak_17451	chr10	19107620	19108010	60310	Intergenic	NM_001004006	tmem230a	6.190357353	4.152065481	2.038291872	9.43E-06
peak_14839	chr13	3719944	3720450	127033	Intergenic	NM_199907	yipf3	7.293674464	5.255511108	2.038163355	1.62E-06
peak_41853	chr18	11794975	11795342	-19156	Intergenic	NM_198372	fam107b	5.032666307	2.994957225	2.037709082	0.024129
peak_18412	chr9	19833301	19833675	-53460	Intergenic	NM_212851	pou1f1	6.097825209	4.060219314	2.037605895	1.70E-05

peak_12618	chr18	2036261	2036966	138099	Intergenic	NM_207073	relt	8.621101486	6.583680986	2.0374205	2.42E-07
peak_25855	chr15	30267527	30267895	30147	Intergenic	NM_001102630	zgc:171951	6.517034455	4.47969026	2.037344194	0.000523
peak_34652	chr9	31938264	31938700	14625	intron (NM_001080673, intron 1 of 10)	NM_001080673	dachd	5.89503432	3.858084391	2.036949929	0.006383
peak_27902	chr14	36803898	36804229	-78222	Intergenic	NM_001077330	mrpl18	5.837235881	3.800766271	2.03646961	0.001067
peak_30751	chr7	31820249	31820644	8092	intron (NM_001159314, intron 1 of 15)	NM_001159314	adam10a	6.606364207	4.570020767	2.03634344	0.002457
peak_15734	chr23	14403002	14403470	73738	intron (NM_001113646, intron 5 of 6)	NM_001098768	birc7	6.576199787	4.540548133	2.035651654	3.11E-06
peak_36572	chr4	57006062	57006987	89856	intron (NM_001114585, intron 8 of 15)	NM_001114585	zgc:174944	3.109335453	1.07379276	2.035542693	0.009686
peak_28867	chr2	9452810	9453146	2353	Intergenic	NM_001007364_1	cope	6.145609595	4.110157869	2.035451727	0.001451
peak_9902	chr1	875759	876981	100119	Intergenic	NM_001080690	creg1	9.898268812	7.862976048	2.035292765	1.40E-08
peak_11541	chr16	56670568	56671008	18420	intron (NM_001083010, intron 1 of 9)	NM_001083010	zgc:158766	7.857898161	5.822633712	2.035264449	8.54E-08
peak_36185	chr2	33614705	33615012	-3452	Intergenic	NR_030023		4.079659981	2.044438478	2.035221502	0.008897
peak_33453	chr10	15206587	15209805	-50873	Intergenic	NM_001002308	spp1	4.751061931	2.715939055	2.035122876	0.004878
peak_20367	chr25	26562149	26562372	118565	intron (NM_200706, intron 3 of 5)	NM_200706	cib2	5.268748556	3.233678573	2.035069983	5.01E-05
peak_20585	chr20	20941189	20941398	32196	Intergenic	NM_001013541	xrcc3	5.716283569	3.68121868	2.035064889	5.56E-05
peak_27057	chr11	4199382	4199847	38268	Intergenic	NM_001020570	zgc:110191	7.270759789	5.235892023	2.034867765	0.000792
peak_17065	chr5	52702037	52702625	-10466	Intergenic	NM_201583	gcnt4a	7.705760098	5.670969164	2.034790934	7.31E-06
peak_18224	chr8	51453444	51453885	8438	intron (NM_001111203, intron 4 of 13)	NM_001111203	zgc:171501	6.951494573	4.916794277	2.034700296	1.55E-05
peak_39673	chr14	8694007	8694329	90991	Intergenic	NM_001020752	trmt112	5.395087117	3.360699626	2.034387491	0.017051
peak_42140	chr8	715701	716279	25647	Intergenic	NM_001017864	zgc:110697	6.983722544	4.949436139	2.034286405	0.025137
peak_24768	chr7	14322068	14322817	3710	intron (NM_212923, intron 1 of 13)	NM_212923	arih1l	8.03804438	6.003863338	2.034181042	0.000355
peak_20524	chr18	31310067	31310563	-36169	Intergenic	NM_001007395_2	def8	7.260725654	5.226653016	2.034072638	5.36E-05
peak_21239	chr24	29328715	29329268	12978	Intergenic	NM_001003775	nrros	7.532470507	5.498599679	2.033870828	7.52E-05
peak_38500	chr22	4859308	4859645	16265	3' UTR (NM_200332, exon 5 of 5)	NM_200332	tnfaip8l1	4.285789361	2.25221264	2.033576722	0.013984
peak_11715	chr6	30645996	30646651	250154	Intergenic	NM_001037669	insl5a	8.749076412	6.715759879	2.033316533	9.95E-08
peak_43282	chr16	19805169	19805541	-21556	Intergenic	NM_001080634	zgc:158847	2.912638768	0.87932337	2.033315398	0.029886
peak_23685	chr11	21496407	21496731	12654	intron (NM_001281799, intron 2 of 4)	NM_001281799	tacr1b	5.569951633	3.536882326	2.033069307	0.000224
peak_34927	chr14	18014995	18015445	71443	Intergenic	NM_199714	rraga	3.397697102	1.364650599	2.033046503	0.006762
peak_17532	chr17	10118705	10119213	-19248	Intergenic	NM_131432	tyro3	6.760658998	4.727753357	2.032905641	9.99E-06
peak_43236	chr20	10418047	10418883	-112651	Intergenic	NM_130910	meis2b	5.906851463	3.874188534	2.032662928	0.029695
peak_9891	chr8	27783235	27784312	-12322	intron (NM_200085, intron 2 of 4)	NM_001007304	zymnd12	9.22058499	7.18794168	2.03264331	1.38E-08
peak_35541	chr23	30906893	30907226	-39357	Intergenic	NM_212631	dnajc11	5.353653748	3.321032656	2.032621092	0.007745
peak_36088	chr1	15832917	15833282	-285718	Intergenic	NM_212967	fat1a	4.909801353	2.877767286	2.032034067	0.008704
peak_29562	chr6	8622706	8623221	9762	Intergenic	NM_001017673	zgc:112023	6.97340624	4.941393251	2.032012988	0.001792
peak_35650	chr8	42907680	42908889	-146987	Intergenic	NM_001089380	gpat2	6.660319663	4.628404931	2.031914732	0.007928
peak_22648	chr14	1179530	1180084	3677	intron (NM_198209, intron 2 of 2)	NM_198209	hopx	7.808033224	5.776448043	2.031585181	0.000145
peak_27424	chr7	75809542	75809815	87042	Intergenic	NM_001077468	mrpl21	5.329735386	3.2981705	2.031564885	0.0009
peak_24733	chr22	22095462	22095886	71560	Intergenic	NM_200423	aes	7.139843862	5.108334009	2.031509853	0.000349
peak_11009	chr17	53492911	53493678	59103	intron (NM_001076722, intron 10 of 10)	NM_001076722	zgc:154061	8.468658857	6.437245553	2.031413303	4.98E-08
peak_21153	chr18	39495391	39495750	77012	Intergenic	NM_001076747	fbxo36a	6.733570957	4.702158133	2.031412825	7.24E-05
peak_15509	chr19	14689128	14689645	24628	Intergenic	NM_001045185	edn2	7.23287361	5.201865822	2.031007789	2.63E-06
peak_18582	chr12	41173035	41173382	821807	Intergenic	NM_001099246	abca5	6.274456742	4.243456375	2.031000366	1.86E-05
peak_12157	chr25	30571507	30572295	-80142	Intergenic	NM_001034978	pim3	9.018506876	6.987547849	2.030959027	1.57E-07
peak_19568	chr6	30733286	30733715	183233	Intergenic	NM_001113376	lepr	6.517754457	4.487072789	2.030681668	3.22E-05
peak_20139	chr16	47349142	47349496	159574	Intergenic	NM_200129	dcaf13	6.682347148	4.65199094	2.030356208	4.45E-05
peak_32370	chr24	11324387	11324839	-46414	intron (NM_205728, intron 10 of 14)	NM_213449	prpf4bb	6.35446006	4.324359377	2.030100684	0.003758
peak_35389	chr9	39973780	39974140	83649	Intergenic	NM_200000	myl1	5.798561212	3.768681195	2.029880017	0.007476
peak_42212	chr5	48739367	48739676	42706	Intergenic	NM_199995	cox7c	4.951692923	2.922366507	2.029326416	0.025361
peak_31538	chr17	51353565	51353895	24175	intron (NM_001002063, intron 2 of 5)	NM_001002063	stxbp6	5.89614226	3.867089796	2.029052464	0.003028
peak_16868	chr21	41685665	41686216	-48570	Intergenic	NM_001115117	sept8a	8.210279524	6.181502997	2.028776527	6.54E-06
peak_23275	chr23	23845986	23846608	66297	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	7.891890528	5.8631402	2.028750328	0.000188
peak_43947	chr4	39837731	39838157	456167	Intergenic	NM_001109839	zgc:173617	2.247969535	0.219835396	2.02813414	0.032722
peak_43944	chr12	4494213	4494489	-34276	Intergenic	NM_200698	cabp5a	2.247969535	0.219835396	2.02813414	0.032722
peak_43946	chr2	34380396	34380685	-456920	Intergenic	NM_001089542	rfwd2	2.247969535	0.219835396	2.02813414	0.032722
peak_43943	chr11	2516368	2516603	10872	Intergenic	NM_001039826	cnpy2	2.247969535	0.219835396	2.02813414	0.032722
peak_43942	chr1	37601417	37601640	43158	Intergenic	NM_001144051	si:dkey-27n6.1	2.247969535	0.219835396	2.02813414	0.032722
peak_43948	chr5	43058592	43058950	-56405	intron (NM_001100039, intron 5 of 7)	NM_205639	fancg	2.247969535	0.219835396	2.02813414	0.032722
peak_43945	chr12	15437390	15437863	-76253	Intergenic	NM_200872	becn1	2.247969535	0.219835396	2.02813414	0.032722
peak_27338	chr2	12690008	12690317	-265001	Intergenic	NM_001115122	dpp6	5.384569	3.356933556	2.027635444	0.000872
peak_20771	chr7	12905025	12905439	-20639	Intergenic	NM_001080993	mex3b	6.868694862	4.84111936	2.027575502	6.03E-05
peak_10498	chr15	42606477	42607905	34672	Intergenic	NM_131013	tyr	9.627827353	7.600387861	2.027439492	2.72E-08
peak_19652	chr18	29451553	29452649	99892	Intergenic	NM_131844	maf	8.561812318	6.534562068	2.027250249	3.39E-05
peak_16105	chr13	53021249	53021582	33317	Intergenic	NM_001135784	nkx6.2	7.148565845	5.121317776	2.027248069	4.01E-06
peak_26068	chr5	39086842	39087191	-30947	Intergenic	NM_001257141	ltbp3	6.069893706	4.042972529	2.026921177	0.000563
peak_40313	chr24	3154306	3154888	-5949	Intergenic	NM_212751	fam69c	4.519926288	2.493469792	2.026456495	0.018976
peak_10352	chr23	28205577	28206406	64274	Intergenic	NM_194371	sp5l	10.22992271	8.203664788	2.026257918	2.31E-08
peak_17595	chr4	62027512	62029168	11009	intron (NM_207069, intron 3 of 11)	NM_207069	pacsin2	8.851094876	6.824973163	2.026121714	1.05E-05
peak_27595	chr17	42626750	42627786	40715	Intergenic	NM_200127	mocs3	6.837247098	4.811389308	2.02585779	0.000956
peak_40240	chr17	21061248	21061600	8315	intron (NM_001045435, intron 5 of 8)	NM_001045435	hspa12a	4.975689123	2.949885372	2.025803751	0.018745
peak_23610	chr1	14657300	14657629	-143124	Intergenic	NM_001020560	tusc3	6.157090365	4.131425762	2.025664603	0.000216
peak_28842	chr17	11141045	11141310	52194	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	5.730456497	3.704861361	2.025595136	0.001434
peak_12219	chr6	33282316	33283060	47764	Intergenic	NM_201143	pik3r3b	8.886069168	6.860578219	2.02549095	1.66E-07
peak_26638	chr10	34611268	34611597	9312	Intergenic	NM_200088	c21orf59	5.940596881	3.915406739	2.025190142	0.000684
peak_18393	chr2	14814083	14815873	38757	Intergenic	NM_001002498	hccsa	8.24598963	6.220914814	2.025074816	1.69E-05
peak_17304	chr22	10046567	10046933	-3301	Intergenic	NM_001111153	zgc:171686	6.400057246	4.375358739	2.024698506	8.54E-06
peak_34866	chr4	30892936	30893304	-436333	intron (NM_001114900_1, intron 5 of 10)	NM_001114894	zgc:174653	3.463070247	1.438442806	2.024627441	0.006662
peak_37301	chr21	24282900	24283443	20485	intron (NM_001082863, intron 1 of 8)	NM_001082863	jam3b	7.159851528	5.135481022	2.024370505	0.011217
peak_26274	chr7	50599856	50600107	272493	Intergenic	NM_131433	igf2a	5.06133994	3.037260849	2.02407909	0.000603
peak_17165	chr19	10587158	10587777	-97930	Intergenic	NM_001083084	cacng7a	7.118270963	5.094262934	2.024008029	7.81E-06
peak_23985	chr19	49225752	49226129	-13434	Intergenic	NM_001040330	ext1c	5.914890731	3.890919477	2.023971254	0.000255
peak_42831	chr8	30881675	30882066	-83469	Intergenic	NM_001040637	fancc	2.243333623	0.219835396	2.023498227	0.02782
peak_31837	chr20	35402743	35403067	-4141	Intergenic	NM_001007366	vsnl1a	5.832999539	3.809684031	2.023315508	0.003299
peak_14637	chr8	2621481	2622117	8093	intron (NM_001126408, intron 5 of 7)	NM_001126408	si:ch211-220d9.3	8.505266122	6.482188238	2.023077884	1.39E-06
peak_19677	chr19	44904557	44905036	-19077	Intergenic	NM_001083088	si:ch211-193k19.	8.22875818	6.205784588	2.022973592	3.43E-05
peak_41239	chr5	19715509	19715854	14497	intron (NM_178304, intron 1 of 10)	NM_178304	zdhhc8b	5.803710127	3.780879152	2.022830975	0.022145
peak_13709	chr12	17391087	17391854	35890	Intergenic	NM_200834	ppp1r3cb	7.506525624	5.483859645	2.022665979	6.61E-07
peak_10894	chr16	52004680	52005798	-42389	Intergenic	NM_001110524	brd2b	9.577266742	7.555022663	2.022244078	4.41E-08
peak_33801	chr15	33121486	33121902	41165	Intergenic	NM_203421	postnb	6.774002928	4.751873044	2.022129884	0.005255
peak_36580	chr15	6989530	6989925	5043	Intergenic	NM_001045252	foxl2	5.675468026	3.653357618	2.022110408	0.009698
peak_24975	chr6	12071172	12071589	153700	Intergenic	NM_001077769	wdsub1	7.100560545	5.078450385	2.02211016	0.000384
peak_24054	chr24	87550	88569	43046	Intergenic	NM_001045561	zgc:152808	7.747485515	5.725500045	2.02198547	0.000263
peak_17155	chr6	1150309	1150942	-10960	Intergenic	NM_001110010_1	plxna1b	6.753940462	4.732120461	2.021820001	7.77E-06
peak_30245	chr9	15964798	15965234	-264145	Intergenic	NM_131520	fn1a	4.002039684	1.980775429	2.021264256	0.002166
peak_20784	chr23	10575989	10576641	73199	Intergenic	NM_001099237	eif4ba	7.799252306	5.778169119	2.021083187	6.07E-05
peak_22801	chr11	20970912	20971530	224553	intron (NM_131086, intron 3 of 16)	NM_131086	cdh4	6.88796505	4.867316913	2.020648137	0.000154
peak_38728	chr13	22122856	22123285	156762	Intergenic	NM_001145707	zswim8	5.664673052	3.644070214	2.020602838	0.014535
peak_32677	chr23	14141122	14141599	-68279	Intergenic	NM_001083555	cacnb3a	6.29058832	4.270082951	2.020505369	0.004056
peak_22405	chr14	38852427	38852877	645753	Intergenic	NM_001048055	lect2l	6.391147984	4.370694533	2.020453451	0.00013
peak_28845	chr3	33414118	33414981	-22983	Intergenic	NM_001114705	hspb9	7.977778717	5.957360177	2.02041854	0.001441
peak_41314	chr7	77146577	77147840	95424	Intergenic	NM_001020651	zgc:112102	6.998787108	4.978464325	2.020322783	0.02235
peak_28602	chr8	44046503	44046851	232297	Intergenic	NM_001017996	gfra2a	6.005828203	3.985635859	2.020192345	0.001333
peak_36256	chr20	53764358	53764957	46228	Intergenic	NM_001009990	cdc40	6.775609181	4.755516694	2.020092487	0.009028
peak_32447	chr16	58032575	58033325	20819	intron (NM_200561_2, intron 5 of 10)	NM_001017694	osr2	7.011823218	4.991808909	2.020014309	0.003837
peak_16231	chr18	49464795	49465878	25346	Intergenic	NM_001080621	zgc:158464	8.967781249	6.948088833	2.019692416	4.36E-06
peak_21407	chr8	30689665	30689953	9869	intron (NM_001077546, intron 1 of 10)	NM_001077546	slc20a2	5.84569373	3.826150405	2.019543325	8.16E-05
peak_34387	chr13	42559435	42559708	10439	Intergenic	NM_200605	cisd1	5.445014594	3.425813893	2.019200701	0.006026

peak_32981	chr23	26904148	26904589	-69499	Intergenic	NM_001080679	zgc:158263	6.865115934	4.845995234	2.0191207	0.004382
peak_15976	chr21	19737556	19738555	22423	Intergenic	NM_200638	c6	8.612522968	6.593508369	2.019014599	3.71E-06
peak_18627	chr6	4525512	4525997	93554	Intergenic	NM_201285	pou4f1	6.913968795	4.894986296	2.018982499	1.91E-05
peak_42098	chr10	6581880	6582188	9647	intron (NM_001079999, intron 4 of 14)	NM_001079999	slc38a9	2.238682765	0.219835396	2.018847369	0.024998
peak_20527	chr5	30595047	30595689	-16352	Intergenic	NM_001089376	stxbp1b	8.221991163	6.203199758	2.018791405	5.36E-05
peak_30879	chr17	52051822	52052161	-101528	Intergenic	NM_001012488	zgc:113142	6.267036684	4.248285142	2.018751542	0.002544
peak_11948	chr8	8546129	8546892	-44409	intron (NM_001122628_1, intron 1 of 1)	NM_001111186	abcd1	9.225194974	7.206466412	2.018728562	1.29E-07
peak_35975	chr8	29562119	29562680	18443	Intergenic	NM_001014340	ocstamp	4.210458296	2.191811398	2.018646899	0.008487
peak_38242	chr1	13938611	13938887	-4611	Intergenic	NM_001076622	itln1	5.726309548	3.707685397	2.018624151	0.013377
peak_35983	chr10	12106123	12106416	28958	intron (NM_001004502, intron 1 of 2)	NM_001004502	lpar1	5.859034979	3.840545044	2.018489935	0.008499
peak_17535	chr16	47458381	47458987	50209	Intergenic	NM_200129	dcaf13	7.314038005	5.296348985	2.017689021	1.00E-05
peak_18654	chr7	36909876	36910226	-22554	Intergenic	NM_198067	mmp2	6.541384024	4.523731448	2.017652576	1.94E-05
peak_31929	chr1	43685055	43685602	381744	Intergenic	NM_001002577	suclg1	6.317917535	4.300343556	2.017573978	0.00337
peak_33934	chr3	47970744	47971147	2250	exon (NM_001002183, exon 2 of 2)	NM_001002183	cdc42ep4a	6.041725037	4.024324043	2.017400994	0.00545
peak_18030	chr9	2537312	2537760	-2	promoter-TSS (NM_001128295)	NM_001128295	zgc:172057	7.128224466	5.111034858	2.017189608	1.38E-05
peak_19412	chr11	18928337	18928732	49087	Intergenic	NM_001079955	dido1	6.855431977	4.838400802	2.017031176	2.95E-05
peak_11371	chr12	3257843	3258648	14924	Intergenic	NM_131451	irbp	8.820413146	6.803732872	2.016680274	7.19E-08
peak_31794	chr16	12767364	12767696	-178746	Intergenic	NM_131390	gsk3ab	5.564824403	3.548233116	2.016591287	0.003259
peak_26467	chr13	32259762	32260063	-97821	Intergenic	NM_173273	diexf	5.625915103	3.609421899	2.016493204	0.000643
peak_31128	chr23	1328314	1328632	-171697	Intergenic	NM_001281802	psmb11b	5.09267992	3.076195288	2.016484632	0.002701
peak_20674	chr11	39711455	39711803	14862	exon (NM_130930, exon 7 of 9)	NM_130930	elk4	6.531170568	4.514881507	2.01628906	5.80E-05
peak_20018	chr1	46498029	46498485	69130	exon (NM_001008624, exon 8 of 21)	NM_001008624	arhgef7b	7.122555681	5.106463366	2.016092315	4.16E-05
peak_16531	chr23	5832873	5833534	68	promoter-TSS (NM_205567)	NM_205567	csrp1a	7.941575745	5.925493214	2.016082531	5.36E-06
peak_27058	chr16	23974571	23974951	-4402	Intergenic	NM_001045039	si:ch211-154o6.6	6.540189545	4.524203359	2.015986186	0.000792
peak_21757	chr17	23280669	23281014	-4328	Intergenic	NM_001128712	pcgf5a	6.156764266	4.140990108	2.015774158	9.69E-05
peak_37570	chr15	19771131	19771521	29540	Intergenic	NM_212649	aldh3a2a	3.210458296	1.19500324	2.015455056	0.011786
peak_20107	chr10	24915089	24915564	62154	Intergenic	NM_001080183	zgc:158234	7.534634148	5.5196406	2.014993548	4.38E-05
peak_29519	chr25	28838485	28838909	47985	Intergenic	NM_199281	slc13a1	6.555257411	4.540426972	2.01483044	0.001767
peak_18019	chr9	12793624	12793906	58036	intron (NM_001114558, intron 3 of 15)	NM_001114558	igf2bp2a	6.02658884	4.011797075	2.014791764	1.38E-05
peak_11736	chr1	26085862	26086364	7569	intron (NM_001122755, intron 2 of 6)	NM_001122755	bnc2	8.710139263	6.69558306	2.014556203	1.02E-07
peak_17948	chr3	32726089	32726624	7014	exon (NM_001082807, exon 5 of 8)	NM_001082807	tspan4b	7.455854211	5.441582362	2.014271849	1.33E-05
peak_41618	chr4	53660149	53660494	-60673	Intergenic	NM_001109740	zgc:173619	2.234016866	0.219835396	2.01418147	0.023361
peak_41616	chr15	7305250	7305632	-40133	Intergenic	NM_213106	zgc:63694	2.234016866	0.219835396	2.01418147	0.023361
peak_41617	chr16	25977877	25978134	58833	Intergenic	NM_200765	rps27.2	2.234016866	0.219835396	2.01418147	0.023361
peak_21616	chr7	56700719	56701138	102063	Intergenic	NM_200668	aprt	6.907929007	4.894028949	2.013900058	9.07E-05
peak_32858	chr14	5346541	5346881	-45314	Intergenic	NM_001007134	lbx2	5.550822344	3.536988299	2.013834045	0.004235
peak_33252	chr8	11899270	11899734	-89377	Intergenic	NM_001002366	tjp2b	6.247424626	4.233610432	2.013814193	0.004652
peak_29515	chr19	20676740	20677219	-6642	Intergenic	NM_131491	igf2bp3	7.184296991	5.17093944	2.013357551	0.001766
peak_21319	chr3	46955051	46955510	-99668	Intergenic	NM_131449	elavl3	5.589313976	3.576226013	2.013087963	7.79E-05
peak_33825	chr6	48025897	48026508	-69341	Intergenic	NM_201202	phc2b	7.18233049	5.169315449	2.013015041	0.005281
peak_33576	chr2	54223435	54223790	17441	intron (NM_200690, intron 2 of 16)	NM_200690	ranbp3b	6.169379377	4.15642997	2.012949407	0.005001
peak_37222	chr2	2074816	2075142	28563	intron (NM_001170648, intron 3 of 3)	NR_030145		3.086222395	1.07379276	2.012429635	0.011049
peak_34891	chr10	1913532	1913947	35442	intron (NM_001143840, intron 15 of 15)	NM_001143840	apc	4.311548883	2.299270941	2.012277943	0.006706
peak_17124	chr5	27822743	27823250	3416	intron (NM_001098182, intron 5 of 10)	NM_001098182	ccdc125	7.863884017	5.851786805	2.012097212	7.63E-06
peak_23185	chr2	38680757	38681186	15532	exon (NM_001123046, exon 5 of 5)	NM_001114740	si:ch211-119o8.6	6.26616332	4.254073647	2.012089674	0.000182
peak_31019	chr20	6817341	6817722	-79454	Intergenic	NM_001168349_1	adcy1a	6.626818247	4.614757687	2.01206056	0.00263
peak_23188	chr13	47581001	47581328	-131462	Intergenic	NM_001114553	vip	6.269318729	4.257377464	2.011941265	0.000183
peak_23834	chr9	55985846	55987056	-44751	Intergenic	NM_001144040	cog3	7.992300883	5.980430191	2.011870692	0.00024
peak_31551	chr6	43316305	43316787	-41423	Intergenic	NM_130923	mitfa	6.842812384	4.831730362	2.011082022	0.003041
peak_21278	chr14	41117796	41118257	576608	Intergenic	NM_001127519	pcdh19	6.924184946	4.913241142	2.010943804	7.65E-05
peak_26027	chr6	15809210	15810686	-139040	intron (NM_001098731, intron 17 of 17)	NM_152964	gbx2	6.221991163	4.211067946	2.010923217	0.000554
peak_20448	chr22	22210501	22210924	8265	intron (NM_001045036, intron 1 of 7)	NM_001045036	gna11a	6.851417001	4.840609201	2.0108078	5.18E-05
peak_25275	chr14	45841297	45841707	4754	exon (NM_131849, exon 3 of 9)	NM_131849	adh5	6.89927681	4.8890524	2.01022441	0.000429
peak_21050	chr8	40585972	40586283	-687133	Intergenic	NM_001083829	pcsk5b	5.947025987	3.936896944	2.010129042	6.87E-05
peak_26226	chr15	22404442	22404721	155529	Intergenic	NM_001111210	ccdc153	5.5810438	3.57136267	2.00968113	0.000595
peak_41362	chr20	10079916	10080473	64303	Intergenic	NM_194420	cx35b	2.229335828	0.219835396	2.009500432	0.022521
peak_41364	chr4	48138493	48139902	353613	Intergenic	NM_001122615	zgc:174646	2.229335828	0.219835396	2.009500432	0.022521
peak_41363	chr22	19646509	19646797	16913	Intergenic	NM_001044808	si:dkey-21e2.16	2.229335828	0.219835396	2.009500432	0.022521
peak_26518	chr18	7833807	7834582	10671	intron (NM_199701, intron 8 of 8)	NM_199701	sephs1	6.674379599	4.664902568	2.009477031	0.000658
peak_27140	chr1	46434143	46434532	5210	intron (NM_001008624, intron 1 of 20)	NM_001008624	arhgef7b	6.115727566	4.10638811	2.009339456	0.000815
peak_21990	chr14	47112789	47113311	31056	intron (NM_001076572, intron 1 of 9)	NM_001076572	atp8a1	7.273746525	5.264778858	2.008967667	0.000109
peak_39217	chr15	9640558	9640912	58087	Intergenic	NM_001130789	zgc:193616	4.650273334	2.641362951	2.008910383	0.015861
peak_30618	chr17	52057205	52057580	-96127	Intergenic	NM_001012488	zgc:113142	7.046066804	5.037375984	2.008690821	0.002378
peak_29132	chr11	33261395	33261621	273993	Intergenic	NM_001160822	pcdh17	5.931238503	3.923187191	2.008051313	0.001575
peak_10787	chr16	33149706	33150990	22942	intron (NM_131796, intron 2 of 31)	NM_131796	ptk2ab	9.58127175	7.573273963	2.007997787	3.80E-08
peak_35297	chr12	1472972	1473457	-17783	Intergenic	NM_200158	pemt	3.498630944	1.490687863	2.007943081	0.007317
peak_37078	chr5	66981148	66981932	44470	intron (NM_001256818, intron 15 of 21)	NM_001256818	dnm1b	7.633587697	5.625973088	2.007614609	0.010733
peak_36325	chr19	28736883	28737264	-4691	Intergenic	NM_001020493	irx4b	6.284097602	4.276567139	2.007530463	0.00918
peak_26310	chr5	16689593	16690056	-217512	Intergenic	NM_183339	tbx1	6.576186345	4.56881117	2.007375175	0.000612
peak_13700	chr21	5952080	5953427	-57786	Intergenic	NM_214783	mob1bb	8.664325822	6.657335007	2.006990815	6.56E-07
peak_28495	chr2	50467118	50467445	36105	exon (NM_001145764, exon 23 of 29)	NM_001002069		5.969366295	3.962520774	2.006845521	0.001287
peak_33906	chr13	7094170	7094492	94523	Intergenic	NM_001281798	ninl	3.977045192	1.970317838	2.006727354	0.005421
peak_26143	chr2	6604109	6604501	13629	Intergenic	NM_001017821	rgs5b	6.034344523	4.02762296	2.006721563	0.000579
peak_37753	chr17	24676486	24676885	-459	promoter-TSS (NM_001017685)	NM_001017685	cx35.4	5.190021122	3.183324221	2.0066969	0.012164
peak_15868	chr3	37838257	37838737	19447	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	7.302229638	5.295661383	2.006568255	3.44E-06
peak_22286	chr19	38967025	38967412	-40289	Intergenic	NM_001044714	dlgap3	6.696020133	4.689462522	2.006557611	0.000124
peak_13593	chr2	27946257	27946878	42508	Intergenic	NM_201330	dhcr7	7.207749016	5.201272444	2.006476572	6.00E-07
peak_13636	chr16	37973088	37973677	-180812	Intergenic	NM_001002444	decr1	7.866141858	5.859671122	2.006470736	6.24E-07
peak_31904	chr5	59356625	59357126	82907	Intergenic	NM_198121	btg4	6.567158451	4.56072636	2.006432091	0.00335
peak_16646	chr24	2267442	2267819	40914	Intergenic	NM_212616	zgc:85789	6.446527893	4.440212196	2.006315696	5.74E-06
peak_18296	chr21	8319253	8320053	14263	Intergenic	NM_001076741	esm1	7.954526772	5.948250326	2.006276446	1.61E-05
peak_27027	chr3	57752239	57752700	48184	TTS (NM_001099249_2)	NM_001099249_2	zgc:165627	6.258717125	4.252988217	2.005728909	0.000783
peak_26617	chr24	23697434	23697731	330176	Intergenic	NM_001199998	si:dkey-7n6.2	5.36172786	3.356121631	2.005606229	0.00068
peak_18408	chr23	20339804	20340076	-55	promoter-TSS (NM_001001825)	NM_001001825	bgnb	5.649371981	3.643992486	2.005379496	1.70E-05
peak_17796	chr12	9541822	9542368	-34845	Intergenic	NM_200161	reep3b	7.117172059	5.111894617	2.005277442	1.20E-05
peak_35752	chr18	17855448	17856225	92385	Intergenic	NM_001002520	cbln1	3.212831541	1.207700457	2.005131083	0.008129
peak_41360	chr4	49538427	49539504	250008	Intergenic	NR_030521		3.57277984	1.567723154	2.005056686	0.02252
peak_41299	chr5	121760	122037	-22920	Intergenic	NM_001034985	dcc	2.224639552	0.219835396	2.004804156	0.022312
peak_41298	chr11	5799524	5799789	43549	Intergenic	NM_001080647	r3hdm4	2.224639552	0.219835396	2.004804156	0.022312
peak_41297	chr10	46388659	46389175	12111	Intergenic	NM_212844	il1b	2.224639552	0.219835396	2.004804156	0.022312
peak_18462	chr20	4208742	4209462	30429	intron (NM_001113647, intron 2 of 12)	NM_001113647	zgc:172112	7.925355901	5.920584011	2.00477189	1.75E-05
peak_18172	chr9	48385790	48386162	-494863	Intergenic	NM_001126463	igfbp5a	8.247735084	6.243086762	2.004648323	1.50E-05
peak_41814	chr7	22147547	22147951	12848	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	5.847963496	3.843437428	2.004526068	0.023997
peak_15488	chr10	36005715	36007648	-2522	Intergenic	NM_001004014	smad9	8.889192814	6.884759669	2.004433145	2.59E-06
peak_11570	chr15	15286694	15287476	55576	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	8.814019508	6.809663449	2.004356059	8.79E-08
peak_33874	chr3	52983797	52984376	-182542	Intergenic	NM_001166291	ptger1c	6.199976864	4.195803148	2.004173717	0.005364
peak_16206	chr9	54270316	54270845	-55586	Intergenic	NM_001017360	xrcc5	8.397309709	6.393279782	2.004029927	4.30E-06
peak_22690	chr18	42519360	42520132	10456	intron (NM_001081628, intron 1 of 18)	NM_001081628	cdon	7.834932309	5.831090374	2.003841934	0.000147
peak_30597	chr7	31364107	31364522	-23682	Intergenic	NM_001037579	pstpip1b	5.696444173	3.692622206	2.003821968	0.002364
peak_20609	chr25	10386544	10386870	-241098	Intergenic	NM_001039822	ehf	6.649371981	4.645605633	2.003766349	5.61E-05
peak_14985	chr20	31518507	31519318	4296	intron (NM_001044819, intron 1 of 19)	NM_001044819	sash1a	9.065249041	7.061519539	2.003729502	1.77E-06
peak_30669	chr9	1711752	1711982	-3479	intron (NM_001017554_2, intron 1 of 17)	NM_001017554_1		5.497658046	3.494100718	2.003557328	0.002409
peak_35056	chr4	12696278	12696851	16307	Intergenic	NM_001044817	ccdc87	7.056373752	5.052826803	2.003546949	0.006951
peak_17623	chr14	1749802	1750504	37069	Intergenic	NM_001024185	pcdh2g13	8.02262556	6.019289716	2.003335844	1.07E-05
peak_11322	chr19	29219277	29220027	-9067	Intergenic	NR_105066		9.045273918	7.041958371	2.003315548	6.81E-08

peak_13601	chr9	36048393	36049006	-7667	Intergenic	NM_152886	appb	8.000328453	5.997013178	2.003315274	6.04E-07
peak_27610	chr18	16555233	16555793	20495	exon (NM_001044986, exon 5 of 12)	NM_001044986	swap70b	7.142482595	5.139185178	2.003297417	0.000963
peak_28548	chr23	22481029	22481465	-13365	Intergenic	NM_001039808	slc2a1a	4.679788522	2.676570719	2.003217803	0.001309
peak_27054	chr11	41084446	41084956	-320301	Intergenic	NM_001002073	vamp3	5.707450247	3.704237134	2.003213114	0.000791
peak_12460	chr21	44018339	44020493	15147	intron (NM_001012389, intron 8 of 10)	NM_200743	skp1	8.84112987	6.83802569	2.00310418	2.11E-07
peak_30141	chr5	9702878	9703179	-100884	Intergenic	NM_201339_1	tal2	5.254962771	3.251994752	2.00296802	0.002108
peak_26919	chr8	38242643	38242920	18987	intron (NM_212860, intron 7 of 8)	NM_212860	ren	5.662479007	3.659551849	2.002927158	0.000759
peak_15123	chr25	7698083	7699052	71243	Intergenic	NM_001089334	hmg20a	7.033169977	5.030265866	2.002904111	1.98E-06
peak_36897	chr20	6998448	6998712	-31035	Intergenic	NM_173283	igfbp1a	5.446023636	3.443137753	2.002885883	0.010353
peak_17861	chr8	44115946	44116587	162708	intron (NM_001017996, intron 6 of 8)	NM_001017996	gfra2a	7.774398801	5.771877041	2.00252176	1.25E-05
peak_14525	chr20	40693782	40694618	57984	Intergenic	NM_131038	cx43	8.208426813	6.206074617	2.002352196	1.28E-06
peak_26397	chr24	29268418	29268696	-37290	Intergenic	NM_001017617	sh3glb1a	5.077746189	3.07554095	2.002205239	0.000631
peak_11681	chr10	15529190	15530289	46309	intron (NM_001193543, intron 1 of 23)	NM_001193543	erbb2ip	9.932726597	7.930565532	2.002161065	9.66E-08
peak_31421	chr11	36545691	36546030	58186	Intergenic	NM_212679	bhlhe40	5.81275742	3.810615141	2.002142279	0.002927
peak_31132	chr17	41450521	41450926	-8160	Intergenic	NM_001105660	mocs1	6.82270844	4.820641046	2.002067394	0.002709
peak_11549	chr3	27167354	27168075	-11186	Intergenic	NM_001004119	emp2	9.277187818	7.275250098	2.00193772	8.65E-08
peak_11669	chr3	59612634	59613349	49684	intron (NM_001285388, intron 10 of 15)	NM_001285388	si:ch73-281f12.4	8.085708586	6.084167054	2.001541532	9.57E-08
peak_36189	chr21	41567484	41567758	9406	intron (NM_214716, intron 5 of 18)	NM_214716	hspa4a	5.284097602	3.28264339	2.001454212	0.008904
peak_18220	chr20	25368536	25369002	-1652	Intergenic	NM_001015041	ctgfa	7.5376931	5.536441958	2.001251142	1.54E-05
peak_24406	chr14	46420741	46421240	-561130	Intergenic	NM_200975	gar1	6.430273871	4.429123997	2.001149875	0.000305
peak_21104	chr13	46630820	46631082	83236	Intergenic	NM_001004108	bsdc1	5.841459819	3.840485538	2.000974281	7.05E-05
peak_34290	chr17	32373832	32374227	201754	Intergenic	NM_001077604	klf11b	6.329204554	4.328290615	2.000913938	0.005889
peak_38245	chr10	39826867	39827085	43166	Intergenic	NM_001006039	samsn1b	3.607465695	1.606593419	2.000872276	0.013381
peak_18187	chr17	8236920	8237403	-84222	Intergenic	NM_130961	lft2	6.829297006	4.828550896	2.000746109	1.52E-05
peak_11797	chr1	17354607	17355869	1690	intron (NM_131859, intron 1 of 6)	NM_131859	klf3	9.465322029	7.464762752	2.000559276	1.09E-07
peak_32539	chr12	26905774	26906495	1502	exon (NM_207055, exon 2 of 2)	NM_207055	zfp36l2	6.582879772	4.582328433	2.000551339	0.003928
peak_22752	chr2	47849145	47849401	7403	intron (NM_001076634, intron 1 of 3)	NM_001076634	mbnl1	5.662479007	3.661932882	2.000546126	0.000151
peak_35809	chr18	41591300	41591567	121388	Intergenic	NM_001167569_1	pvrl1b	3.226989601	1.226539182	2.000450419	0.008218
peak_32045	chr7	52763420	52763919	12276	Intergenic	NM_001017840	rasl11a	6.798363696	4.798035467	2.000328229	0.00347
peak_27306	chr17	43527603	43527946	14184	Intergenic	NM_213320	chmp3	5.277277582	3.277162534	2.000115048	0.000863
peak_23522	chr7	54638475	54638821	-990	promoter-TSS (NM_131635)	NM_131635	fgf4	6.468600414	4.468572177	2.000028237	0.000208
peak_24537	chr17	36266917	36267332	-208389	Intergenic	NM_131336	sox11a	6.495452407	4.495481143	1.999971265	0.000322
peak_36423	chr10	608608	608941	20107	intron (NM_001080048, intron 3 of 16)	NM_001080048	rfx3	5.913411094	3.913555264	1.999855829	0.009389
peak_14932	chr18	47528106	47529142	-9397	Intergenic	NM_001171776	bmp16	8.565944039	6.56624566	1.999698379	1.71E-06
peak_43658	chr19	20810992	20812639	54574	Intergenic	NM_001110456	oxnad1	3.073219981	1.07379276	1.999427222	0.031505
peak_32855	chr1	225437	225989	3092	intron (NM_001077323, intron 4 of 13)	NM_001077323	pros1	4.85825509	2.858920557	1.999334533	0.004228
peak_11047	chr18	36725873	36726673	4	promoter-TSS (NM_131111)	NM_131111	lmo2	9.34474063	7.345519364	1.999221267	5.18E-08
peak_16396	chr1	47888144	47888737	-137	promoter-TSS (NM_001005604)	NM_001005604	bcl9	9.33565613	7.336833054	1.998823076	4.88E-06
peak_16202	chr7	7891137	7892233	25212	intron (NM_205544, intron 1 of 20)	NM_205544	actn3b	8.935782743	6.937164738	1.998618005	4.29E-06
peak_24294	chr16	36002426	36002732	-38362	Intergenic	NM_199998	utp11l	5.707450247	3.709049764	1.998400483	0.000293
peak_32088	chr20	13637199	13637575	-60427	Intergenic	NM_001029958	lpgat1	4.514164879	2.515798689	1.998366191	0.003499
peak_32833	chr8	31825717	31826525	1415	intron (NM_001123317, intron 1 of 15)	NM_001123317	si:ch211-251j10.3	6.537811419	4.539669374	1.998142045	0.004203
peak_31339	chr15	1383395	1384034	-9333	Intergenic	NM_001017906	schip1	4.652023337	2.654005927	1.99801741	0.002874
peak_12332	chr1	56402228	56403325	-47524	Intergenic	NM_214757	asf1bb	9.076834142	7.078891996	1.997942146	1.86E-07
peak_12541	chr9	54707583	54708258	37800	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	9.32648781	7.32911239	1.99737542	2.27E-07
peak_32782	chr16	19575232	19575706	63812	Intergenic	NM_001042695	casp2	6.605912842	4.608691969	1.997220874	0.004159
peak_28806	chr18	47053080	47053746	10621	Intergenic	NM_001045169	kcnj1a.5	6.747780478	4.750577532	1.997202946	0.001422
peak_13236	chr18	34860138	34860917	-62124	Intergenic	NM_001044331	siae	8.293200283	6.296028613	1.99717167	4.34E-07
peak_34574	chr15	38449133	38449425	159581	Intergenic	NM_173232	rps5	5.476551647	3.479665348	1.996886298	0.006294
peak_15030	chr10	29225414	29225953	-163033	Intergenic	NM_001007351	btg3	7.899563805	5.902749019	1.996814785	1.85E-06
peak_20753	chr8	11266080	11266969	114983	Intergenic	NM_001083016	fxn	7.517394501	5.520584475	1.996810026	5.99E-05
peak_30746	chr17	6934239	6934638	62839	Intergenic	NM_001023572	zbtb24	6.560405104	4.563635638	1.996769466	0.002455
peak_22738	chr9	8514163	8514686	64543	Intergenic	NM_001045426	zgc:153499	7.419503967	5.422857604	1.996646364	0.00015
peak_24261	chr10	45120635	45121013	54805	intron (NM_131312, intron 3 of 10)	NM_131312	mef2ca	7.129481177	5.132983037	1.99649814	0.000289
peak_17735	chr17	19372240	19372648	-6975	Intergenic	NM_001029951	cyp26c1	6.690709086	4.694246308	1.996462777	1.15E-05
peak_12098	chr21	348683	349759	-4552	Intergenic	NM_205663	lhfpl2a	9.659080607	7.662827994	1.996252614	1.47E-07
peak_24602	chr2	11300533	11300812	3431	exon (NM_200083, exon 3 of 3)	NM_200083	penka	5.098467082	3.102218652	1.99624843	0.00033
peak_16288	chr2	865373	865866	4775	Intergenic	NM_131728	foxc1a	7.133410493	5.137242738	1.996167755	4.53E-06
peak_31998	chr13	19125947	19126278	-202797	Intergenic	NM_199820	eif3s10	4.281273587	2.285532808	1.995740779	0.003427
peak_35286	chr13	4280487	4280891	38222	Intergenic	NM_001007059	c1d	4.803270538	2.807868041	1.995402498	0.007307
peak_29765	chr7	34486125	34486449	6248	Intergenic	NM_001159541	intl2	5.408120284	3.412752896	1.995367388	0.001897
peak_41725	chr7	17565419	17565748	-228158	Intergenic	NM_001006026	csrp3	2.215200887	0.219835396	1.995365491	0.023717
peak_41724	chr4	60925720	60926302	131167	Intergenic	NM_001102638	ms4a17a.4	2.215200887	0.219835396	1.995365491	0.023717
peak_41723	chr3	31345899	31346237	-36512	Intergenic	NM_001080044	smg1	2.215200887	0.219835396	1.995365491	0.023717
peak_41722	chr17	14192114	14192313	134394	Intergenic	NM_200482	jkamp	2.215200887	0.219835396	1.995365491	0.023717
peak_11034	chr10	38873529	38874744	40675	intron (NM_212796, intron 5 of 16)	NM_212796	msi2a	8.950378723	6.955056663	1.99532206	5.09E-08
peak_13109	chr20	46606668	46607786	3847	TTS (NM_001045473)	NM_001045473	bmf2	10.36696209	8.372357584	1.994604501	3.92E-07
peak_22466	chr7	14598390	14598764	-23974	Intergenic	NM_200395	rasl12	5.972871053	3.97851952	1.994351533	0.000134
peak_13895	chr1	19636013	19636404	-28881	Intergenic	NM_131010	tll1	7.079525883	5.08540086	1.994125023	7.67E-07
peak_32158	chr1	39145569	39145928	15020	exon (NM_001201544, exon 13 of 28)	NM_001201544	wdr17	6.019827899	4.025877298	1.993950601	0.003552
peak_16282	chr5	13103317	13103725	15867	intron (NM_001020815, intron 2 of 9)	NM_001020815	gatsl3	6.405529105	4.411579097	1.993950009	4.50E-06
peak_32080	chr23	39034536	39034795	-11403	Intergenic	NM_001080609	sall4	5.32699939	3.333655679	1.99334371	0.003495
peak_34299	chr14	19856513	19857053	-142	promoter-TSS (NM_130945)	NM_130945	flt4	6.889656432	4.896661792	1.99299464	0.005908
peak_25674	chr1	6828072	6828476	-5062	Intergenic	NM_001128672_1	mxb	4.648470066	2.655517366	1.9929527	0.000491
peak_35300	chr15	35753574	35753951	189913	Intergenic	NM_001040687	nphs1	5.924717384	3.931822303	1.99289508	0.007319
peak_12333	chr22	16044136	16044732	53	promoter-TSS (NM_131856)	NM_131856	klf2a	8.571747356	6.578963073	1.992784282	1.86E-07
peak_19005	chr8	31817306	31817822	9972	intron (NM_001123317, intron 1 of 15)	NM_001123317	si:ch211-251j10.3	8.354266363	6.361589741	1.992676622	2.38E-05
peak_19170	chr20	28147450	28147897	-127229	Intergenic	NM_001079835	dll4	7.832993914	5.840528346	1.992465568	2.60E-05
peak_32085	chr6	2432142	2432463	-3029	Intergenic	NM_200334	hyi	5.695171678	3.70293529	1.992236388	0.003498
peak_12635	chr7	58216572	58217519	-118483	Intergenic	NM_001077165	senp8	8.856233158	6.864018024	1.992215135	2.46E-07
peak_12440	chr15	33683436	33684625	30740	intron (NM_212883, intron 3 of 12)	NM_212883	agmo	9.367840171	7.375905317	1.991934854	2.08E-07
peak_24010	chr6	24964800	24965113	683196	Intergenic	NM_001024224	cygb2	4.700279607	2.708366644	1.991912963	0.000258
peak_34380	chr16	18365301	18365603	-76806	Intergenic	NM_001290140	zgc:56148	3.157090365	1.165224779	1.991865586	0.00602
peak_11762	chr10	228256	233344	21436	intron (NM_131836, intron 4 of 5)	NM_001080689	dyrk1aa	10.0432002	8.051442603	1.991757596	1.05E-07
peak_42278	chr6	36312213	36312484	18937	Intergenic	NM_131079	her6	2.210458296	0.219835396	1.990622901	0.025575
peak_20512	chr24	25680925	25682042	3926	TTS (NM_001100152)	NM_001100152	amer2	8.818615427	6.828053595	1.990561831	5.33E-05
peak_33139	chr5	32591012	32591292	-27788	Intergenic	NM_001114455	spns2	5.612470073	3.622148296	1.990321777	0.004544
peak_38384	chr7	71193379	71193764	140387	intron (NM_001128544, intron 21 of 24)	NM_001100955	olfcs2	2.544684847	0.554393687	1.990291161	0.013753
peak_36653	chr3	3248180	3248880	246849	Intergenic	NM_001098774	zgc:165583	2.815860363	0.825787209	1.990073153	0.009835
peak_25305	chr24	16846682	16846918	70483	Intergenic	NM_213297	zgc:85682	5.472567065	3.482791816	1.989775249	0.000433
peak_13435	chr15	20754963	20755934	49063	Intergenic	NM_001005590	ppp2r1b	8.820513247	6.830977175	1.989536072	5.25E-07
peak_17287	chr16	48946741	48947325	34287	Intergenic	NM_001045488	zgc:161979	7.299843298	5.310334791	1.989508507	8.44E-06
peak_24624	chr23	36154725	36155022	2135	exon (NM_001005771, exon 2 of 2)	NM_001005771	hoxc8a	6.166933504	4.17761668	1.989316825	0.000333
peak_22102	chr19	33039659	33040130	7779	Intergenic	NM_212561	hey1	7.904451566	5.915175782	1.989275784	0.000114
peak_23103	chr6	16250966	16251518	72770	Intergenic	NM_001002395	faimb	7.799060643	5.809828528	1.989232115	0.000177
peak_28961	chr23	28067376	28067645	-4053	Intergenic	NM_130990	acvr1b	5.784247197	3.795069426	1.989177771	0.001494
peak_42569	chr4	32577276	32578004	244662	intron (NM_001109867, intron 1 of 3)	NM_001109867	zgc:173708	3.875584362	1.886432925	1.989151437	0.026724
peak_17325	chr22	13213967	13214376	-31886	intron (NM_131264, intron 2 of 10)	NM_001024816	ahr1b	6.682158042	4.693032528	1.989125514	8.65E-06
peak_30039	chr11	18746572	18746863	-52317	Intergenic	NM_200467	tmem110	5.929796586	3.941239272	1.988557314	0.002047
peak_37801	chr10	35094528	35094806	18918	intron (NM_001114706, intron 2 of 6)	NM_001114706	zgc:174193	3.514108747	1.525612958	1.988495789	0.012283
peak_22741	chr20	29736848	29737402	20099	intron (NM_001278602, intron 1 of 12)	NM_001278602	mboat2b	7.052228607	5.06373934	1.988489267	0.00015
peak_36224	chr23	23416347	23416895	56938	Intergenic	NM_001003830	noc2l	6.361712263	4.37322673	1.988485533	0.008958
peak_33465	chr14	3164182	3164546	-27994	Intergenic	NM_131590	cd74a	5.323160258	3.334871063	1.988289195	0.004883
peak_18793	chr13	53656035	53656859	7393	Intergenic	NM_213269	klhdc3	7.035182899	5.047088854	1.988094045	2.11E-05
peak_25530	chr7	61495244	61495696	-160291	Intergenic	NM_001130770	zgc:194930	6.320670792	4.332611378	1.988059414	0.000468

peak_42061	chr7	8688140	8689155	-45940	Intergenic	NM_001115068	cxcl-c13d	6.14156679	4.153611469	1.987955322	0.024864
peak_14999	chr5	10846496	10847214	-8146	Intergenic	NM_001109861	si:ch211-241p16.	8.726254607	6.73832092	1.987933687	1.80E-06
peak_31183	chr6	10710238	10710610	29446	Intergenic	NM_131445	chrna1	6.288902181	4.301027946	1.987874236	0.002742
peak_15231	chr5	74440561	74440994	394041	Intergenic	NM_001003993	ak1	7.560528369	5.572707559	1.98782081	2.15E-06
peak_19866	chr18	29093871	29094362	-258093	Intergenic	NM_131844	maf	6.761469811	4.77369899	1.987770821	3.80E-05
peak_19601	chr18	40795493	40796038	4206	intron (NM_199804, intron 1 of 22)	NM_199804	cntn5	6.71775867	4.730006778	1.987751891	3.29E-05
peak_34133	chr1	21344220	21344616	-58261	Intergenic	NM_001042684	chrna6	6.242786959	4.255270427	1.987516532	0.005687
peak_17594	chr3	57123949	57124398	62043	Intergenic	NM_001115092_1	stk19	7.095907252	5.108397092	1.98751016	1.05E-05
peak_17753	chr9	43352344	43353429	122265	Intergenic	NM_001113642	lrrc3	8.296346708	6.308855838	1.987490869	1.17E-05
peak_31157	chr12	50480278	50480730	-9088	intron (NM_001291882, intron 2 of 3)	NM_001039837_1		5.184625743	3.197231743	1.987394	0.002726
peak_26683	chr6	54229600	54229921	73966	Intergenic	NM_001013542	zgc:101577	5.802899742	3.815788134	1.987111608	0.000697
peak_21713	chr19	33862666	33863145	-166	promoter-TSS (NM_001020612)	NM_001020612	gmpr	7.068246803	5.081241368	1.987005436	9.44E-05
peak_19003	chr5	48822562	48823144	126038	Intergenic	NM_199995	cox7c	6.622099719	4.635113289	1.98698643	2.38E-05
peak_28771	chr2	40009252	40009541	-24015	Intergenic	NM_001130655_1	si:ch211-122l24.4	4.31265569	2.325721122	1.986934568	0.001405
peak_28462	chr1	33653332	33653604	-102093	Intergenic	NR_030517		5.670728186	3.684273077	1.986455109	0.001273
peak_18401	chr6	43312634	43313224	-45040	Intergenic	NM_130923	mitfa	7.357948883	5.371573158	1.986375726	1.70E-05
peak_19801	chr21	32298904	32299288	82153	Intergenic	NM_131372	cd74b	5.449549736	3.463192881	1.986356856	3.66E-05
peak_29598	chr21	2285586	2285952	106766	Intergenic	NM_001014292	hmgcrb	5.887975879	3.901632417	1.986343463	0.001802
peak_34947	chr3	1828316	1828549	-295	promoter-TSS (NM_001111252)	NM_001111252	LOC100007703	4.689193624	2.702868206	1.986325418	0.006789
peak_20232	chr25	30502698	30503036	-49376	Intergenic	NM_212987	ube2q2	6.536627792	4.550328	1.986299792	4.66E-05
peak_11286	chr19	47502736	47503687	45633	intron (NM_001177934, intron 2 of 7)	NM_001177934	trps1	11.22888208	9.24262951	1.986252569	6.55E-08
peak_14720	chr12	41664325	41665147	1313335	Intergenic	NM_001099246	abca5	8.369405278	6.383253112	1.986152166	1.48E-06
peak_38136	chr22	13355857	13356108	-51959	Intergenic	NM_131264	ahr2	5.06068133	3.074569464	1.986111867	0.013085
peak_43015	chr14	1554289	1554671	-63537	intron (NM_001289886, intron 1 of 6)	NM_001045338	hrh2	2.205700064	0.219835396	1.985864668	0.028685
peak_14159	chr18	43324560	43325094	27602	Intergenic	NM_001025169	pex16	7.813027929	5.827318164	1.985709765	9.55E-07
peak_23830	chr23	2420586	2420863	-14606	Intergenic	NM_131230	tcp1	5.513683722	3.528105797	1.985577924	0.00024
peak_34006	chr17	52957551	52958342	92333	Intergenic	NM_001128292	prox2	3.6900456	1.704947384	1.985098217	0.00553
peak_38785	chr19	16503424	16504052	139004	Intergenic	NM_001040375	stmn1a	4.238750704	2.253961521	1.984789183	0.014718
peak_27542	chr17	12339875	12340389	21376	intron (NM_001045342, intron 1 of 3)	NM_001045342	emilin1b	7.534975998	5.550231284	1.984744714	0.000939
peak_15178	chr15	44883897	44884581	36184	Intergenic	NM_001033749	sagb	8.347445187	6.362830748	1.984614439	2.06E-06
peak_34086	chr23	2831030	2831488	29238	intron (NM_194407, intron 7 of 29)	NM_194407	plcg1	3.449046535	1.464476453	1.984570082	0.005627
peak_20353	chr16	47231902	47232223	97314	Intergenic	NM_001123063	dpys	5.836444115	3.851917193	1.984526922	4.97E-05
peak_19658	chr17	34732010	34732391	-240869	Intergenic	NM_201291	id2a	7.151825297	5.16738499	1.984440307	3.41E-05
peak_23474	chr14	119072	119384	15725	Intergenic	NM_001082999	zbtb49	5.947738566	3.963519861	1.984218705	0.000204
peak_19195	chr21	21258333	21258649	-24075	Intergenic	NM_001003465	nadk2	6.023888265	4.039743613	1.984144652	2.63E-05
peak_26227	chr9	45423006	45423412	-62482	Intergenic	NM_130978	neurod	6.36172786	4.377919067	1.983808792	0.000595
peak_39720	chr16	52417514	52418334	370296	Intergenic	NM_001110524	brd2b	8.071610921	6.088411821	1.983199099	0.017193
peak_30496	chr11	5054258	5054950	-229928	Intergenic	NM_001077310		7.718587859	5.73541281	1.983175049	0.00231
peak_37923	chr16	20381032	20381381	-112088	Intergenic	NM_131238	rxrbb	3.974250173	1.991157761	1.983092412	0.012564
peak_25733	chr6	1387047	1387715	-11935	intron (NM_183072, intron 11 of 15)	NM_200851	ntan1	7.737297052	5.754548086	1.982748966	0.000502
peak_36977	chr8	17176514	17176807	17310	intron (NM_001077805, intron 3 of 23)	NM_001077805	osbpl9	5.006150351	3.023569895	1.982580457	0.010534
peak_38375	chr19	24637936	24638269	-16204	Intergenic	NM_001103198	thap7	3.357381403	1.374847013	1.982534391	0.013738
peak_21628	chr3	59424981	59425297	89199	Intergenic	NM_001013539	dhrs7ca	6.041391262	4.058863462	1.982527801	9.11E-05
peak_31954	chr6	7777602	7778694	49755	Intergenic	NM_001004636	tmem237b	4.81668626	2.834417635	1.982268625	0.003385
peak_24050	chr13	46803770	46804075	58808	Intergenic	NM_213133	marcksl1a	5.705766241	3.723555518	1.982210723	0.000263
peak_10966	chr19	26906011	26907037	-3875	Intergenic	NM_001044937	npr1a	10.20213023	8.219936015	1.982194219	4.69E-08
peak_35081	chr3	47714303	47714639	15485	Intergenic	NM_001017696	mrpl12	5.918914828	3.936935277	1.981979551	0.007008
peak_18659	chr5	50677968	50678376	100574	intron (NM_001001845, intron 85 of 89)	NM_001080029	arrdc3a	7.807542615	5.825727341	1.981815274	1.95E-05
peak_35157	chr20	54943222	54943627	-50885	Intergenic	NM_001122623	mogat3a	3.440971353	1.459176537	1.981794816	0.007118
peak_16477	chr14	7806567	7807058	36386	intron (NM_001017856_1, intron 1 of 12)	NM_001017856_1	ppp3cb	7.923540627	5.941749849	1.981790778	5.18E-06
peak_43756	chr11	42985	43545	-827	promoter-TSS (NM_001007303)	NM_001007303	arfgap1	5.666405685	3.684636463	1.981769222	0.032015
peak_10908	chr14	49757933	49758959	10060	intron (NM_131314, intron 1 of 8)	NM_131314	ldb2a	9.352207976	7.370439221	1.981768756	4.46E-08
peak_19243	chr1	47100084	47100509	4319	intron (NM_001007327, intron 1 of 8)	NM_001007327	cab39l	6.112871299	4.131280789	1.98159051	2.70E-05
peak_41291	chr6	353687	354334	-39613	Intergenic	NM_001008588	ift27	4.475040695	2.493469792	1.981570903	0.022295
peak_38812	chr18	29987239	29990872	-77748	Intergenic	NM_001128400	si:ch73-103b9.2	3.208081142	1.226539182	1.98154196	0.014799
peak_21564	chr12	31743849	31744196	58606	intron (NM_001014363, intron 7 of 10)	NM_001014363	ablim1b	6.412787765	4.431280297	1.981507468	8.83E-05
peak_16433	chr2	49738677	49739329	137480	Intergenic	NM_001089323	abhd17aa	7.998443249	6.017052961	1.981390288	5.02E-06
peak_15892	chr18	20801235	20801931	25921	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	7.921909685	5.940612959	1.981296726	3.48E-06
peak_37350	chr16	90831	91161	-29380	TTS (NM_200627)	NM_200627_1	cdkal1	5.209829719	3.228985273	1.980844445	0.011323
peak_13663	chr18	48293920	48294372	194295	Intergenic	NM_001007334	yif1b	7.312248808	5.331589704	1.980659103	6.38E-07
peak_32993	chr7	52455347	52455649	-85792	Intergenic	NM_205596	ankrd46b	5.663346902	3.682724243	1.98062266	0.004391
peak_14155	chr7	31673454	31674150	30220	intron (NM_131850, intron 7 of 12)	NM_131850	aldh1a2	8.702708961	6.722138691	1.980570271	9.51E-07
peak_20856	chr24	14946148	14946607	89589	intron (NM_001089439, intron 3 of 7)	NM_001080646	cd226	7.508238477	5.527704863	1.980533614	6.26E-05
peak_12156	chr18	44663743	44664687	-72300	Intergenic	NM_001030074	kcnk6	8.712878731	6.732554373	1.980324359	1.56E-07
peak_23584	chr14	12312417	12312809	-2746	Intergenic	NM_199735	zgc:66447	6.412772711	4.432497878	1.980274833	0.000214
peak_30105	chr21	43982493	43982745	51944	intron (NM_001012389, intron 3 of 10)	NM_200743	skp1	3.893534166	1.913335397	1.980198769	0.002082
peak_38936	chr2	11727490	11727876	-10166	exon (NM_001037397, exon 6 of 9)	NM_200348	cdc73	5.717955351	3.7377972	1.98015815	0.015094
peak_36607	chr9	22436133	22437134	2094	exon (NM_212825, exon 2 of 2)	NM_212825	cx30.3	7.263724867	5.28373473	1.979990137	0.009749
peak_11268	chr17	11200941	11201936	-8067	intron (NM_001258228_1, intron 8 of 20)	NM_212687	irf2bpl	9.269924292	7.290060318	1.979863973	6.42E-08
peak_14304	chr10	13298059	13298757	51050	intron (NM_001099446, intron 3 of 11)	NM_001004514	si:busm1-79m10	7.384584352	5.404972408	1.979611944	1.06E-06
peak_26333	chr14	17892174	17892722	2397	exon (NM_001128562, exon 6 of 6)	NM_001128562	olfcg4	6.811376368	4.83193083	1.979445538	0.000618
peak_33433	chr25	20937909	20938278	-65265	Intergenic	NM_001006012	kctd15a	3.09910867	1.119749037	1.979359633	0.004858
peak_12274	chr20	22194214	22194769	-7981	Intergenic	NM_130957	clocka	7.883968367	5.904651469	1.979316898	1.74E-07
peak_27868	chr7	25389777	25390148	13411	intron (NM_001271897, intron 3 of 10)	NM_001271897	slc7a8a	6.740784008	4.761624036	1.979159972	0.001054
peak_18146	chr25	17589465	17589834	-11683	Intergenic	NM_001202419	kdm7ab	7.454225302	5.475202515	1.979022787	1.48E-05
peak_14561	chr9	35756762	35757943	56363	Intergenic	NM_001159670	tslpr	8.286282418	6.307297055	1.978985363	1.30E-06
peak_14242	chr20	33318972	33319818	-13969	Intergenic	NM_212614	mycn	8.351830043	6.372918352	1.978911692	1.02E-06
peak_29505	chr11	41421728	41422136	-13305	intron (NM_001002073, intron 2 of 5)	NM_131584	per3	6.631260814	4.652518569	1.978742245	0.001762
peak_38616	chr8	49123315	49123699	27802	intron (NM_001123282, intron 2 of 12)	NM_001123282	espn	3.320443851	1.341793669	1.978650182	0.014255
peak_36814	chr2	14368547	14369422	-63538	Intergenic	NM_001004623	tctex1d1	5.903160956	3.924583267	1.978577689	0.010142
peak_13769	chr6	53310779	53311200	-8	promoter-TSS (NM_152980)	NM_152980	mst1	7.573887065	5.595423905	1.978463159	6.92E-07
peak_30795	chr24	33058286	33058654	320724	Intergenic	NM_001018143	trdmt1	5.762089438	3.783647914	1.978441525	0.002485
peak_30099	chr15	45230372	45230709	153539	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	5.727139892	3.749051791	1.978088101	0.00208
peak_27029	chr2	24750184	24750603	15637	Intergenic	NM_001007459	slc35g2a	6.1930644	4.215047105	1.978017294	0.000784
peak_16234	chr1	14196951	14197956	212025	Intergenic	NM_001045485	pi4k2b	7.823867656	5.846125216	1.97774244	4.37E-06
peak_34097	chr9	52669515	52669877	58148	Intergenic	NM_001242770	gcgb	5.955240826	3.97759444	1.977646386	0.005639
peak_20206	chr19	36958729	36959050	-9713	Intergenic	NM_001202440	rnf19b	5.863595343	3.886049652	1.977545691	4.61E-05
peak_14103	chr7	1566088	1566460	-32209	intron (NM_200561_1, intron 2 of 5)	NM_001003868	nop10	7.963647704	5.986120859	1.977526845	9.17E-07
peak_23250	chr14	7104171	7104597	60572	Intergenic	NM_001077568	ctsf	6.796200772	4.818713137	1.977487634	0.000187
peak_29881	chr2	20702013	20702394	-15774	Intergenic	NM_001291500	pdca	6.182170277	4.204868055	1.977302222	0.001958
peak_28995	chr8	5853242	5853771	12167	Intergenic	NM_200346	diabloa	6.570427885	4.593408895	1.977018989	0.001509
peak_26159	chr16	30468367	30468756	-29790	Intergenic	NM_001077756	fam188a	7.01438632	5.037496854	1.976889466	0.000581
peak_17836	chr1	28603926	28604325	-5410	Intergenic	NM_001114714	si:dkey-1h24.2	6.849321104	4.872917759	1.976403345	1.23E-05
peak_34453	chr1	39595452	39595847	140790	Intergenic	NR_030668		6.943457799	4.967507524	1.975950275	0.006127
peak_20216	chr17	45821690	45822430	190	intron (NM_001089383, intron 1 of 12)	NM_001089383	zgc:162184	7.042735627	5.066972898	1.975762729	4.63E-05
peak_13597	chr14	4951768	4952198	-254346	Intergenic	NM_001017822_1	zgc:110204	7.309609926	5.334002498	1.975607428	6.01E-07
peak_34970	chr11	18408108	18408481	55760	Intergenic	NM_001114554	cishb	4.673771375	2.698376779	1.975394597	0.006814
peak_16074	chr6	12728900	12729351	34139	intron (NM_001039817, intron 6 of 12)	NM_001039817	bmpr2a	7.028798986	5.053430706	1.97536828	3.95E-06
peak_25822	chr12	45637605	45637888	94522	intron (NM_001110011, intron 7 of 20)	NM_001110011	dock1	5.964072597	3.988768138	1.975304459	0.000517
peak_27721	chr20	37655336	37655733	-108357	Intergenic	NM_001030164	hivep2a	6.151498006	4.176286046	1.97521196	0.000999
peak_13740	chr15	43703324	43704284	30367	intron (NM_131672, intron 19 of 20)	NM_131672	csf1ra	8.883929974	6.908856093	1.97507388	6.76E-07
peak_21444	chr18	35113513	35114971	4621	TTS (NM_001007312)	NM_001007312	fosb	8.692204353	6.717188763	1.97501559	8.31E-05
peak_33802	chr15	24267039	24267801	-5393	Intergenic	NR_030022		7.614926509	5.639930474	1.974996036	0.005255
peak_30342	chr15	31374927	31375308	-120339	Intergenic	NM_001005935	arfip2a	6.684284969	4.709312659	1.974972311	0.002222
peak_36591	chr19	3097001	3097296	-11819	Intergenic	NM_001161487	tomm7	5.074487444	3.099875025	1.974612419	0.009719

peak_30973	chr9	16675210	16675515	74675	Intergenic	NM_001113633	si:dkey-103d23.5	3.851417001	1.877090602	1.974326399	0.002602
peak_28732	chr10	15739353	15739774	-66049	Intergenic	NM_001193541	smc5	5.026608515	3.052742477	1.973866038	0.001385
peak_12622	chr9	39424251	39424903	-4141	Intergenic	NM_001040324	ccdc93	8.703124886	6.729262022	1.973862864	2.43E-07
peak_23564	chr23	2656342	2656616	-83591	Intergenic	NM_001030232	zgc:114123	6.128705026	4.154902941	1.973802085	0.000212
peak_26690	chr3	12239138	12239563	-57336	intron (NM_001076623, intron 9 of 10)	NM_001076757	pdgfab	7.253226045	5.279534604	1.973691442	0.000698
peak_30915	chr24	39408895	39409375	-28135	Intergenic	NM_001163897	tmem204	6.346885378	4.373442722	1.973442656	0.002562
peak_25244	chr24	31387626	31387916	37772	Intergenic	NM_199753	cnn3a	5.903895528	3.930589509	1.97330602	0.000423
peak_18795	chr3	13102976	13103672	-105410	Intergenic	NR_045224_1		7.985984115	6.012890675	1.97309344	2.11E-05
peak_10128	chr22	13267408	13269177	35731	intron (NM_131264, intron 2 of 10)	NM_131264	ahr2	11.17021919	9.19720522	1.973013969	1.80E-08
peak_42846	chr3	37003188	37003661	73945	Intergenic	NM_200908	tubg1	6.011312039	4.038386424	1.972925614	0.027852
peak_29400	chr1	49203247	49203621	528724	Intergenic	NM_001115060	cxcl-c1c	5.865104932	3.892193442	1.972911489	0.001707
peak_27892	chr12	11953820	11954360	-232731	Intergenic	NM_131406	raraa	6.211017346	4.238336513	1.972680833	0.001063
peak_40512	chr20	3950973	3951522	19045	Intergenic	NM_001130794	zgc:194224	5.814688996	3.842183968	1.972505028	0.019642
peak_36443	chr20	37641344	37641932	-94461	Intergenic	NM_001030164	hivep2a	6.742040883	4.769631017	1.972409866	0.009428
peak_18444	chr3	27965784	27966354	16746	intron (NM_200562, intron 1 of 4)	NM_200562	carhsp1	7.352704633	5.380364492	1.972340141	1.73E-05
peak_34483	chr19	16190368	16190760	452178	Intergenic	NM_001040375	stmn1a	6.511247402	4.538975831	1.972271571	0.006172
peak_25070	chr13	27735613	27735974	-157870	Intergenic	NM_001114589	ddx43	5.892815884	3.920602122	1.972213762	0.000398
peak_24062	chr5	45137318	45137649	48357	Intergenic	NM_001099974	rhobtb2a	6.163545752	4.191835671	1.971710081	0.000264
peak_33965	chr4	35036833	35037256	-222335	Intergenic	NM_001114927	zgc:174650	3.486912637	1.515435752	1.971476885	0.00549
peak_35175	chr5	19756757	19757011	55700	intron (NM_178304, intron 1 of 10)	NM_178304	zdhhc8b	5.461603317	3.49023329	1.971370028	0.007152
peak_38998	chr22	31911095	31911605	-97276	Intergenic	NM_205574	pvalb7	3.017134431	1.045780477	1.971353955	0.015265
peak_15016	chr25	4142931	4143344	61998	Intergenic	NM_131645	fads2	7.244971177	5.273767975	1.971203202	1.82E-06
peak_14495	chr9	57683476	57684075	35654	intron (NM_200682_1, intron 2 of 4)	NM_200682_1	akap17a	8.691725894	6.720557267	1.971168627	1.26E-06
peak_30771	chr11	15111154	15111474	-52294	Intergenic	NM_212764_1	zgc:55741	5.501060324	3.529977389	1.971082935	0.002467
peak_19751	chr11	35370111	35370473	39437	Intergenic	NM_001037377	pfkfb4	6.489361813	4.518548986	1.970812827	3.55E-05
peak_33093	chr21	2649179	2649468	-25465	Intergenic	NM_001014362	zgc:113343	6.112871299	4.142091093	1.970780206	0.004493
peak_25899	chr2	22105095	22105495	7191	exon (NM_201185, exon 3 of 4)	NM_201185	bokb	6.299022156	4.328313775	1.970708381	0.000532
peak_19340	chr13	42544302	42544933	25393	Intergenic	NM_200605	cisd1	7.717863106	5.747170561	1.970692545	2.83E-05
peak_17324	chr17	22396954	22397499	6094	exon (NM_213469, exon 13 of 14)	NM_213469	exo1	6.872452587	4.901960159	1.970492428	8.64E-06
peak_16849	chr8	31845961	31847394	-9652	Intergenic	NM_200280	ptgesl	7.922266988	5.951861514	1.970405474	6.48E-06
peak_34123	chr19	14262734	14263104	-90115	Intergenic	NM_131258	oprd1a	6.293954695	4.323567127	1.970387568	0.005673
peak_26670	chr25	4151824	4152315	53066	Intergenic	NM_131645	fads2	7.219624345	5.249620193	1.970004153	0.000692
peak_24215	chr2	43601624	43602340	31623	intron (NM_205674, intron 6 of 16)	NM_205674	nrp1b	7.919716333	5.950168656	1.969547677	0.000282
peak_29968	chr2	27050017	27050494	-108354	Intergenic	NM_001077448	cdh7	6.326193564	4.356706916	1.969486648	0.002011
peak_17981	chr14	13535376	13536165	-175642	Intergenic	NM_001002326	pls3	7.247441508	5.278197964	1.969243545	1.35E-05
peak_29288	chr10	43319517	43319925	8706	intron (NM_001045230, intron 9 of 11)	NM_001045230	tmem120b	6.291711318	4.322625491	1.969085827	0.001658
peak_16562	chr5	9641955	9642374	101174	Intergenic	NM_212600	rchy1	6.703025532	4.73428241	1.968743122	5.46E-06
peak_24060	chr14	38952698	38953265	746082	Intergenic	NM_001048055	lect2l	7.452956403	5.484252041	1.968704362	0.000264
peak_20250	chr9	11823302	11823643	3157	Intergenic	NM_001080657	fev	6.016415696	4.047880886	1.96853481	4.71E-05
peak_29696	chr10	43559307	43559633	-47027	Intergenic	NM_001017722	dusp11	5.132157201	3.163650677	1.968506524	0.001859
peak_41749	chr20	4074021	4074252	17556	Intergenic	NM_001113611	arv1	2.614767619	0.646338197	1.968429422	0.02381
peak_22822	chr4	17961256	17961653	-41905	intron (NM_199533, intron 1 of 7)	NM_001045043	mcat	6.187627621	4.219213074	1.968414547	0.000156
peak_29391	chr2	41422799	41423111	-3518	Intergenic	NM_001020567	zgc:110158	6.0933053	4.125030204	1.968275096	0.001703
peak_14845	chr8	3213763	3214247	-37985	Intergenic	NM_001040010	lhx2b	7.76776175	5.799545427	1.968216322	1.62E-06
peak_31142	chr24	42705784	42706096	-8982	intron (NM_001045123, intron 1 of 3)	NM_001045123_1	scn12ab	4.259561525	2.291839608	1.967721916	0.002717
peak_20440	chr13	50179406	50179860	-31804	Intergenic	NM_001030104	tsnax	6.399551672	4.43214119	1.967410482	5.16E-05
peak_34184	chr9	51754470	51754732	-30878	Intergenic	NM_001020575	fign	5.447031973	3.479665348	1.967366625	0.005744
peak_13503	chr19	12026870	12027603	22043	intron (NM_201161, intron 2 of 8)	NM_201161	sept7a	9.068653928	7.101461859	1.967192069	5.56E-07
peak_34089	chr25	10412741	10413043	-214913	Intergenic	NM_001039822	ehf	5.997229056	4.030043451	1.967185604	0.005631
peak_40858	chr23	30313120	30313867	26065	Intergenic	NM_212848	uts2a	7.176701077	5.209966855	1.966734222	0.020752
peak_17383	chr18	43405356	43405708	-53103	Intergenic	NM_001025169	pex16	5.978132624	4.011631577	1.966501047	9.03E-06
peak_26216	chr3	37659851	37660617	15895	Intergenic	NM_199688	gosr2	6.180655589	4.214160846	1.966494743	0.000593
peak_13449	chr24	22416334	22417216	-8	promoter-TSS (NM_001014829)	NM_001257153	flt1	7.49216611	5.525806748	1.966359362	5.32E-07
peak_32687	chr5	37411027	37411412	7087	intron (NM_001126477, intron 1 of 13)	NM_001126477	stard8	6.539244281	4.573195279	1.966049002	0.004075
peak_39869	chr6	12626452	12626779	-126653	Intergenic	NM_198064	slc15a1b	6.093949186	4.128026796	1.96592239	0.017611
peak_25029	chr19	28234752	28235220	27328	intron (NM_001099987, intron 1 of 24)	NM_001099987	adcy2b	6.42129332	4.455399161	1.965894158	0.000392
peak_15873	chr25	1520830	1521218	-129618	Intergenic	NM_001077455	ppm1h	6.993600463	5.027899855	1.965700607	3.45E-06
peak_40233	chr4	31231764	31231963	-97590	intron (NM_001114900_1, intron 5 of 10)	NM_001114894	zgc:174653	3.872673052	1.907116997	1.965556055	0.018716
peak_24223	chr1	52675277	52675624	20755	intron (NM_001145597, intron 4 of 4)	NM_001145597	rab3da	6.891694584	4.926371474	1.965323109	0.000283
peak_31090	chr5	38123212	38123507	-7685	Intergenic	NM_213522	igbp1	5.916368853	3.951266251	1.965102602	0.002679
peak_32156	chr4	9642032	9642387	21140	intron (NM_201152, intron 7 of 7)	NM_201152	tspan12	6.194883788	4.229793401	1.965090387	0.003551
peak_23094	chr10	28766239	28767176	32274	intron (NM_001281468, intron 3 of 29)	NM_001281468	med13a	8.900670957	6.935619054	1.965051903	0.000176
peak_15571	chr1	29719343	29719859	25660	intron (NM_001045236, intron 1 of 10)	NM_001045236	dachc	7.492762325	5.527793474	1.964968851	2.74E-06
peak_39038	chr16	13291702	13292099	-16980	exon (NM_001245961, exon 14 of 16)	NM_001098246	zgc:198329	7.249771591	5.28496772	1.964803871	0.015362
peak_35076	chr9	26579138	26579904	-102085	Intergenic	NM_001110278	acvr2aa	7.743381311	5.77860414	1.964777171	0.006996
peak_42307	chr15	45146259	45146559	69408	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	4.517048459	2.552474647	1.964573813	0.025672
peak_40752	chr16	5546237	5546688	7952	intron (NM_001011712, intron 2 of 11)	NM_001045271	arnt	2.438945476	0.474639816	1.964305659	0.02039
peak_22999	chr18	38743149	38743561	-12440	Intergenic	NM_001177495	ugt5c1	6.616284828	4.65198301	1.964301818	0.000169
peak_29976	chr18	3997035	3997469	311749	Intergenic	NM_200555	pdcd10a	6.201770136	4.238188209	1.963581928	0.002015
peak_34477	chr16	759857	760244	-60591	Intergenic	NM_207184	irx1a	3.83917979	1.875636386	1.963543404	0.006163
peak_21641	chr2	29519833	29520113	94371	Intergenic	NM_207641	ptf1a	5.967962005	4.004936921	1.963025084	9.18E-05
peak_13491	chr4	38913154	38915248	-467576	Intergenic	NM_001109839	zgc:173617	9.445012754	7.482009885	1.963002869	5.52E-07
peak_25568	chr17	25041273	25041670	25644	Intergenic	NM_001114588	cln8	6.828728154	4.865782324	1.96294583	0.000475
peak_16201	chr9	14990479	14991004	-209675	Intergenic	NM_212966	nrp2b	7.531408268	5.569135178	1.96227309	4.29E-06
peak_31617	chr13	16717967	16718353	146528	intron (NM_001145600, intron 2 of 28)	NM_001145600	kcnma1a	6.631469647	4.669310061	1.962159586	0.003096
peak_21117	chr11	2866222	2867227	-118408	Intergenic	NM_201028	cpne5	8.367201944	6.405165715	1.96203623	7.09E-05
peak_17762	chr24	34048627	34049004	-178743	Intergenic	NM_199215	ca2	6.134993828	4.173075533	1.961918295	1.18E-05
peak_21386	chr23	33102200	33102680	-401504	Intergenic	NR_029935		7.001010185	5.039164545	1.96184564	8.09E-05
peak_32015	chr21	30139203	30139785	123260	Intergenic	NM_200451	asl	4.743695067	2.781851436	1.961843631	0.003441
peak_34450	chr13	43427479	43427952	12540	intron (NM_214809, intron 3 of 68)	NM_214809	cdh23	7.461229073	5.499647242	1.961581832	0.006125
peak_32275	chr1	26708004	26708608	-66548	Intergenic	NM_001045258	pspc1	4.718766161	2.757300467	1.961465694	0.003666
peak_20750	chr16	57959278	57961618	-15686	Intergenic	NM_001076751	clk2b	8.93250425	6.971409087	1.961095162	5.98E-05
peak_37387	chr6	36625663	36626155	117723	Intergenic	NM_001007298	opa1	5.023907976	3.062898162	1.961009814	0.011407
peak_14934	chr18	46746708	46747288	126500	Intergenic	NM_001037706	smtla	7.861506046	5.900550368	1.960955679	1.72E-06
peak_19432	chr2	42576289	42576684	-100135	Intergenic	NM_199851	gtpbp4	6.848939704	4.88816558	1.960774124	2.97E-05
peak_28390	chr17	52973886	52974298	76187	Intergenic	NM_001128292	prox2	4.168139123	2.207472745	1.960666378	0.001244
peak_14213	chr10	45718203	45721068	1146	intron (NM_001079664, intron 1 of 3)	NM_001079664	rilpl1	10.86920664	8.908674186	1.960532458	9.94E-07
peak_19361	chr13	25203761	25204496	137381	intron (NM_001272084, intron 7 of 10)	NM_001110395	zgc:172281	8.409220128	6.44894118	1.960278947	2.86E-05
peak_14171	chr1	1058201	1058966	-4793	Intergenic	NM_131603_1	runx1	7.813430344	5.853277978	1.960152366	9.66E-07
peak_36486	chr21	20854185	20854625	-4137	Intergenic	NM_212752	gria4b	6.022516348	4.062364733	1.960151615	0.00952
peak_38738	chr18	22882004	22882290	-92434	Intergenic	NM_131301	mef2aa	5.516540244	3.556579914	1.95996033	0.014561
peak_17946	chr3	39480936	39481272	2160	exon (NM_001003526, exon 5 of 11)	NM_001003526	zgc:100868	6.446023636	4.486198082	1.959825554	1.33E-05
peak_15944	chr12	15340281	15340795	19739	intron (NM_001083009, intron 7 of 12)	NM_001083009	mto1	7.040222442	5.08066633	1.959556111	3.61E-06
peak_38534	chr21	38386425	38386640	-4960	Intergenic	NM_001037379	sept4a	5.178532351	3.21905849	1.959473861	0.01407
peak_33193	chr24	39139928	39140206	3602	intron (NM_001013465, intron 3 of 5)	NM_001013465	zgc:112496	6.095236098	4.136231078	1.95900502	0.004593
peak_20810	chr18	30186545	30187188	-199152	Intergenic	NM_001080807	gse1	6.769363205	4.810623268	1.958739938	6.14E-05
peak_22129	chr23	2039795	2040081	19184	intron (NM_001002301, intron 7 of 15)	NM_001002301	prdm5	5.799351007	3.84067188	1.958679127	0.000115
peak_10325	chr17	45726832	45728814	-79029	Intergenic	NM_001045345	vcpkmt	9.544090814	7.586261247	1.957829567	2.25E-08
peak_32524	chr15	42559650	42560406	-12491	Intergenic	NM_131013	tyr	5.824466719	3.867373303	1.957093417	0.003918
peak_21074	chr1	882103	882466	-95563	Intergenic	NM_001002502	n6amt1	6.52687134	4.570076812	1.956794528	6.95E-05
peak_36581	chr7	39242432	39242767	-38321	Intergenic	NM_001166272	adcy7	6.447046674	4.490346645	1.956700029	0.009701
peak_28487	chr17	2194052	2194666	96309	Intergenic	NM_001163923	ccbe1	6.79696879	4.840441513	1.956527277	0.001284
peak_30387	chr17	10801259	10801664	-64948	Intergenic	NM_001258228	si:ch211-185a18.	6.382477667	4.425953692	1.956523975	0.00224
peak_21631	chr15	322213	322795	115604	Intergenic	NM_001042691	limk1a	7.256984915	5.300502353	1.956482562	9.12E-05
peak_19023	chr19	43628145	43628749	20820	intron (NM_199639, intron 3 of 3)	NM_199639	nfyc	7.103281375	5.147043026	1.956238349	2.41E-05

peak_19399	chr15	1378102	1378752	-14620	Intergenic	NM_001017906	schip1	6.862828936	4.906995755	1.955833182	2.93E-05
peak_13933	chr14	8133759	8134613	-83511	Intergenic	NM_001002626	zgc:92242	9.552337273	7.596668807	1.955668465	7.90E-07
peak_12512	chr18	17477747	17478432	32373	intron (NM_001080030, intron 1 of 7)	NM_001080030	si:ch211-216l23.1	9.290974449	7.335355283	1.955619166	2.22E-07
peak_17353	chr14	24613387	24614037	256	intron (NM_001017867, intron 1 of 6)	NM_001017867	gnpda1	6.781839889	4.826264459	1.95557543	8.84E-06
peak_27499	chr13	27842782	27843116	-149877	Intergenic	NM_001013529	asrgl1	5.518488091	3.562966117	1.955521974	0.000926
peak_30001	chr9	9828085	9828494	64367	intron (NM_131381, intron 3 of 11)	NM_131381	gsk3b	6.885560622	4.930142022	1.9554186	0.002025
peak_32684	chr12	46875829	46876156	-48254	Intergenic	NM_131640	pax2b	4.717144084	2.761831945	1.95531214	0.004067
peak_14771	chr24	38903823	38904221	52530	Intergenic	NM_001002057	gnptg	6.959663469	5.004354172	1.955309297	1.54E-06
peak_37063	chr18	19347553	19347907	-75939	Intergenic	NM_001080163	snapc5	6.224051441	4.268876256	1.955175185	0.010688
peak_24539	chr19	41794696	41795004	20865	Intergenic	NM_001040096	tfpi2	5.916347615	3.961225344	1.955122271	0.000322
peak_13886	chr11	3826925	3828150	95106	Intergenic	NM_131233	gata2a	8.636914985	6.681883617	1.955031368	7.62E-07
peak_19328	chr5	75363579	75363999	-52926	Intergenic	NM_001101670	tbx3a	5.686207737	3.731268774	1.954938963	2.82E-05
peak_26186	chr19	12685179	12685999	77891	Intergenic	NM_001089406	spag1a	8.410972753	6.456077539	1.954895214	0.000588
peak_29100	chr3	28785708	28786557	30278	3' UTR (NM_001201336, exon 6 of 6)	NM_001201336	fbxl16	7.53615407	5.58129097	1.9548631	0.001559
peak_18917	chr11	18447429	18447788	16446	Intergenic	NM_001114554	cishb	6.003431202	4.048617566	1.954813636	2.26E-05
peak_32553	chr2	40832852	40833170	122581	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	6.209532659	4.254870773	1.954661886	0.003939
peak_30707	chr14	36358663	36359109	-168502	Intergenic	NM_001003412	clint1a	6.256705796	4.302367076	1.954338721	0.002431
peak_20341	chr5	3251637	3252133	95076	Intergenic	NR_030090		6.915437235	4.961146934	1.954290301	4.93E-05
peak_30281	chr19	3130275	3130504	75	promoter-TSS (NM_001261449)	NM_001261449	il6	5.348266783	3.394288884	1.953977899	0.002181
peak_32130	chr14	37323360	37323692	-123079	Intergenic	NM_130975	pitx2	6.247168979	4.293541573	1.953627406	0.003526
peak_25524	chr24	4464269	4464733	63457	Intergenic	NM_130918	fzd8a	6.754335937	4.801250462	1.953085475	0.000467
peak_30956	chr6	36373984	36374397	-42905	Intergenic	NM_131079	her6	7.114925472	5.161840984	1.953084489	0.002594
peak_30936	chr25	25962368	25963399	34161	Intergenic	NM_001142267_1	LOC100216314	4.152152513	2.199160801	1.952991713	0.002578
peak_30904	chr4	6677001	6677326	66284	Intergenic	NM_213286	lta4h	3.935893853	1.982996643	1.952897211	0.002555
peak_10696	chr3	22915358	22916049	205075	Intergenic	NM_001128744	cyb561	9.484645485	7.531769243	1.952876242	3.45E-08
peak_36346	chr15	3513475	3513981	-81301	Intergenic	NM_001080055_1		7.417175449	5.464378075	1.952797374	0.009227
peak_12647	chr8	13449136	13449714	8205	exon (NM_001004664, exon 5 of 20)	NM_001004664	zgc:103670	8.485719196	6.533116883	1.952602313	2.50E-07
peak_22113	chr23	25276732	25277418	349	intron (NM_200444, intron 1 of 23)	NM_200444	arhgap4a	7.227723207	5.275230462	1.952492744	0.000114
peak_13256	chr10	4176190	4176880	122457	Intergenic	NM_200920	pitpnb	9.443809914	7.491337294	1.95247262	4.43E-07
peak_11811	chr5	75607641	75609123	23033	Intergenic	NM_200686	mtfp1	9.953525432	8.001395159	1.952130272	1.10E-07
peak_30366	chr7	76105164	76105856	-163326	Intergenic	NR_034276		5.973591395	4.021476583	1.952114812	0.002232
peak_30410	chr14	41283056	41283543	411335	Intergenic	NM_001127519	pcdh19	6.138743071	4.186651561	1.95209151	0.002258
peak_16671	chr7	22433393	22434090	-7878	Intergenic	NM_001017564	zgc:113025	7.524126793	5.572382575	1.951744218	5.82E-06
peak_32949	chr19	40140266	40140570	169462	Intergenic	NM_212579	col9a2	6.011292154	4.059570067	1.951722087	0.00435
peak_18221	chr11	3919904	3921376	2003	intron (NM_131233, intron 2 of 5)	NM_131233	gata2a	8.874005269	6.922391651	1.951613617	1.54E-05
peak_41576	chr25	14106271	14106576	-2948	Intergenic	NM_001003460	usb1	4.319278758	2.367686229	1.951592529	0.023224
peak_35939	chr9	58224983	58226012	-45519	Intergenic	NM_001003944	actr3	7.160158994	5.208642487	1.951516507	0.008426
peak_27083	chr7	44985426	44985712	-224758	Intergenic	NM_131214	cdh11	6.062985149	4.11170857	1.951276578	0.0008
peak_28342	chr22	3706677	3707023	142057	Intergenic	NM_001013507	timm44	5.048735907	3.097547581	1.951188325	0.001227
peak_30799	chr10	16095490	16095885	30833	Intergenic	NM_152972	lmnb1	6.309593756	4.3585741	1.951019656	0.002489
peak_20773	chr5	13843302	13843838	30422	intron (NM_001128413, intron 17 of 18)	NR_034191		7.562034842	5.611054901	1.950979941	6.03E-05
peak_15018	chr20	54108622	54109351	-49692	Intergenic	NM_001177935	dio3b	9.011129176	7.060191478	1.950937698	1.82E-06
peak_32034	chr6	902936	903526	53750	Intergenic	NM_001245966	zeb2b	5.271597171	3.320704689	1.950892482	0.003454
peak_17700	chr9	24698809	24699314	-144	promoter-TSS (NM_001005394)	NM_001005394	gypc	8.611389262	6.660500703	1.950888559	1.13E-05
peak_28566	chr17	19973085	19973482	786	intron (NM_001037573, intron 1 of 20)	NM_001037573	actn2	6.66270869	4.71206012	1.95064857	0.001318
peak_39791	chr14	12533139	12533525	96125	Intergenic	NM_200990	hdac3	4.555009968	2.604367439	1.950642529	0.017363
peak_24496	chr9	31791076	31791579	37971	exon (NM_001109865, exon 2 of 6)	NM_001109865	klf12b	6.865093929	4.914801845	1.950292083	0.000315
peak_28053	chr17	28790841	28791235	17685	intron (NM_001013266, intron 10 of 15)	NM_001003823	coch	5.214574373	3.26441609	1.950158283	0.00112
peak_20502	chr7	39641723	39642188	-10613	Intergenic	NM_001017874	cnep1r1	6.930867647	4.980783402	1.950084245	5.30E-05
peak_41222	chr22	5268371	5268697	-240671	Intergenic	NM_001118891	s1pr4	2.434885166	0.48510786	1.949777306	0.022089
peak_12004	chr4	9619	10840	-6344	Intergenic	NM_182882	msgn1	9.437912976	7.488379378	1.949533598	1.35E-07
peak_15826	chr13	31860491	31860921	9902	exon (NM_131718, exon 3 of 3)	NM_131718	six4a	6.768758457	4.819331966	1.94942649	3.33E-06
peak_34432	chr23	8923026	8923540	-83330	Intergenic	NM_200986	tcea2	7.104409549	5.155295404	1.949114144	0.006098
peak_31624	chr23	37032144	37032604	-52383	Intergenic	NM_001089535	ube2j2	6.344722876	4.395696793	1.949026083	0.003099
peak_41448	chr18	500712	500981	-106260	Intergenic	NM_001014356	fam219b	4.897227829	2.948340658	1.948887171	0.022775
peak_22098	chr3	39262844	39263296	-8622	intron (NM_001099423, intron 11 of 14)	NM_001020480	nmt1a	7.130275221	5.181453845	1.948821376	0.000113
peak_22079	chr15	31556664	31557224	61488	Intergenic	NM_001005935	arfip2a	7.052218942	5.103409298	1.948809645	0.000113
peak_42697	chr12	22635855	22636520	-15696	Intergenic	NM_001031721	ca10a	5.568099124	3.619944487	1.948154638	0.027273
peak_17354	chr12	46524315	46524833	96861	Intergenic	NM_212942	fbxl15	7.549166186	5.601081894	1.948084293	8.86E-06
peak_20881	chr7	19551688	19552220	172433	Intergenic	NM_001099228	cd248a	8.285727131	6.337842043	1.947885088	6.33E-05
peak_35250	chr13	9179056	9179443	27878	Intergenic	NM_001076662	sfxn4	3.459077363	1.511256902	1.947820461	0.007267
peak_30921	chr6	49205940	49206343	-49751	Intergenic	NM_199210	ngf	4.00478143	2.057243353	1.947538077	0.002566
peak_21128	chr18	11674407	11674802	44794	intron (NM_001177933, intron 16 of 17)	NM_001003859	nup205	6.809406042	4.86198961	1.947416432	7.15E-05
peak_28777	chr25	11570721	11571080	-177444	Intergenic	NM_001265607	mespbb	5.732549633	3.785173276	1.947376357	0.001407
peak_13750	chr13	11659363	11660227	-19469	Intergenic	NM_001278854	trim8a	9.120684492	7.17340571	1.947278782	6.81E-07
peak_25684	chr4	30951297	30951626	-377992	intron (NM_001114900_1, intron 5 of 10)	NM_001114894	zgc:174653	6.216071136	4.268943714	1.947127422	0.000493
peak_29796	chr5	16675069	16675349	-232127	Intergenic	NM_183339	tbx1	5.178532351	3.231478204	1.947054147	0.001915
peak_16906	chr2	12642180	12642669	-217263	Intergenic	NM_001115122	dpp6	7.504952965	5.558038695	1.946914269	6.71E-06
peak_21554	chr7	61881472	61881989	-121659	Intergenic	NM_001005985	rwdd	6.456605395	4.509725538	1.946879857	8.79E-05
peak_33623	chr1	26064360	26065048	-13840	Intergenic	NM_001122755	bnc2	6.855041111	4.908454707	1.946586404	0.005052
peak_40268	chr21	2882825	2883156	52392	intron (NM_001079958, intron 11 of 14)	NM_001079958	add1	5.537602385	3.591190308	1.946412076	0.018838
peak_17311	chr8	20091148	20091812	-26731	Intergenic	NM_001115094	notch2	8.386088966	6.439805996	1.94628297	8.58E-06
peak_34663	chr14	19690164	19690536	21400	intron (NM_001029962, intron 2 of 11)	NM_001029962	ergic1	6.4661012	4.520031603	1.946069597	0.0064
peak_30937	chr15	19619889	19620522	72734	intron (NM_131403, intron 3 of 4)	NM_131403	tpst1	7.02032619	5.074353419	1.945972771	0.00258
peak_20009	chr22	32628068	32628606	-15790	Intergenic	NM_212565	dusp5	8.508103616	6.562196033	1.945907584	4.15E-05
peak_36623	chr1	19924276	19924612	145584	Intergenic	NM_001102391	npy1r	4.934498529	2.988600421	1.945898108	0.009779
peak_18741	chr17	1746113	1746932	-239627	Intergenic	NM_001002412_1	zfyve19	7.797852495	5.852597118	1.945255377	2.04E-05
peak_39719	chr16	20310434	20313643	-181256	Intergenic	NM_131238	rxrbb	2.636144784	0.691124799	1.945019985	0.017188
peak_26604	chr20	6932589	6933115	35867	intron (NM_001168349_1, intron 9 of 13)	NM_001168349_1	adcy1a	6.41796954	4.47329277	1.94467677	0.000676
peak_30765	chr3	29643279	29643787	-18429	Intergenic	NM_001002061	rac2	3.766538874	1.821960653	1.944578221	0.002464
peak_28952	chr10	17222012	17222252	-60687	Intergenic	NM_201031_1	stoml2	5.111917952	3.167613643	1.944304309	0.001489
peak_21575	chr19	25329820	25330354	-38404	Intergenic	NM_001077302	si:ch211-195b13.1	5.683643477	3.739454429	1.944189048	8.90E-05
peak_26217	chr18	31968070	31968500	-78838	Intergenic	NM_001083877	olfcq19	5.325355298	3.381234157	1.944121142	0.000593
peak_36068	chr20	40414623	40415374	-12531	intron (NM_001122945, intron 1 of 2)	NM_214807	fabp7b	3.280142431	1.336022403	1.944120028	0.008658
peak_24977	chr3	39737712	39738163	-47097	Intergenic	NM_001024373	b9d1	7.460869293	5.516900655	1.943968638	0.000385
peak_33769	chr2	24474794	24475068	4431	intron (NM_212822, intron 1 of 16)	NM_212822	pik3r2	5.851036155	3.907308421	1.943727734	0.005225
peak_18949	chr25	6500446	6500830	24531	intron (NM_001002409, intron 6 of 7)	NM_001002409	rbpms2a	7.038206785	5.094633887	1.943572898	2.30E-05
peak_21452	chr21	2290374	2291083	101807	Intergenic	NM_001014292	hmgcrb	8.078062167	6.134531958	1.943530208	8.33E-05
peak_22128	chr12	49384920	49385207	36941	exon (NM_198811, exon 4 of 19)	NM_198811	pald1a	6.041725037	4.098582666	1.943142372	0.000115
peak_38228	chr1	27607656	27608068	-45642	Intergenic	NM_131197	ednrb1a	4.348774912	2.405679011	1.9430959	0.013341
peak_28184	chr23	12270333	12270592	3253	Intergenic	NM_001110412	ppp1r3da	5.277277582	3.334500107	1.942777475	0.001171
peak_21374	chr13	44492077	44492500	223347	Intergenic	NM_001160346	zfyve21	6.793615176	4.850943927	1.942671249	8.05E-05
peak_33791	chr2	36105239	36105587	115795	Intergenic	NM_001199372_1	LOC100331689	3.860527269	1.917993962	1.942533308	0.005248
peak_39657	chr20	754057	754469	-2556	Intergenic	NM_001004111	myo6a	6.23346666	4.291156911	1.942309749	0.017009
peak_19318	chr4	3141393	3141914	82808	Intergenic	NM_213306	pik3cg	6.409155454	4.467177406	1.941978048	2.81E-05
peak_29445	chr12	22576602	22577267	-74949	Intergenic	NM_001037121	ca10a	6.923641746	4.98180442	1.941837326	0.001727
peak_31555	chr20	19838018	19838368	92900	Intergenic	NM_212570	ptk2bb	6.367613039	4.425829494	1.941783544	0.003043
peak_18592	chr3	54225256	54226089	-28242	Intergenic	NM_131549	notch3	8.571114989	6.629524797	1.941590192	1.87E-05
peak_19483	chr8	41088161	41088605	-228123	Intergenic	NM_001083829_1	pcsk5b	7.113833276	5.17225827	1.941575006	3.06E-05
peak_14954	chr9	1820166	1821044	-50877	Intergenic	NM_001017554_2		10.14702578	8.205531228	1.941494555	1.74E-06
peak_18615	chr25	22467574	22467966	-14714	TTS (NM_001080649)	NM_001077147	zgc:153606	6.920357067	4.978939177	1.94141789	1.90E-05
peak_23027	chr20	4538988	4539481	240619	Intergenic	NM_205758	papola	6.768770219	4.827577107	1.941193112	0.000171
peak_13119	chr3	39452840	39454180	29754	Intergenic	NM_001003526	zgc:100868	8.92806927	6.987214908	1.940854362	3.95E-07
peak_17053	chr25	31935605	31936216	98899	Intergenic	NR_030401		7.793008944	5.852208409	1.940800535	7.26E-06
peak_14936	chr11	40515215	40516076	-79083	Intergenic	NM_001040387	wnt4a	9.279996848	7.339781405	1.940215442	1.72E-06

peak_35968	chr24	27421854	27422495	6624	intron (NM_001037676, intron 1 of 32)	NM_001037676	tnikb	6.75229799	4.812164655	1.940133335	0.008478
peak_26481	chr21	34495818	34496280	202858	Intergenic	NM_200048	rars	6.855409824	4.915432816	1.939977008	0.000647
peak_24425	chr22	32601348	32601697	-5083	exon (NM_212565, exon 4 of 4)	NM_214689	smc3	5.808817851	3.869056139	1.939761712	0.000308
peak_40062	chr18	12255098	12255407	51383	intron (NM_205609, intron 10 of 13)	NM_001082852	parp12a	5.449046535	3.509331133	1.939715402	0.0182
peak_43779	chr9	42490168	42490415	-15684	Intergenic	NM_001123273	LOC564685	3.006230172	1.066840515	1.939389657	0.032123
peak_38439	chr23	13838970	13839336	113241	Intergenic	NM_213334	naa10	4.697740259	2.758362659	1.939377601	0.013869
peak_23796	chr15	17278120	17278555	-94611	Intergenic	NM_001039638	or131-2	6.694959486	4.755696616	1.93926287	0.000236
peak_35898	chr16	40394503	40395080	-408648	Intergenic	NM_200570	selenbp1	2.964424746	1.025291106	1.93913364	0.008354
peak_30265	chr8	20239313	20239556	27063	Intergenic	NM_131271	foxd1	5.879389575	3.940267208	1.939122366	0.002177
peak_20215	chr18	29372823	29373259	20832	Intergenic	NM_131844	maf	7.046233161	5.107129192	1.939103969	4.62E-05
peak_32159	chr24	43229229	43229479	139835	intron (NM_001018133, intron 9 of 9)	NM_200379_1	xylb	5.624578824	3.685536217	1.939042608	0.003553
peak_31329	chr25	27148562	27149067	-250010	Intergenic	NM_001045461	zgc:153383	4.169361555	2.230410427	1.938951129	0.002868
peak_13128	chr9	15216401	15217072	-435670	Intergenic	NM_212966	nrp2b	8.456167252	6.517756394	1.938410858	3.97E-07
peak_34741	chr1	51799081	51799506	68251	Intergenic	NM_001082894	ndufaf5	6.236951827	4.298607718	1.938344109	0.006474
peak_20256	chr8	33577374	33577830	75654	Intergenic	NM_001123324	zgc:194839	6.533057225	4.595104447	1.937952777	4.72E-05
peak_33526	chr10	3542923	3543315	15361	Intergenic	NM_001037412	zgc:123275	5.767749979	3.829854101	1.937895878	0.004945
peak_21330	chr9	23763536	23763912	-33856	intron (NM_001082836, intron 11 of 15)	NM_001040243	tnfaip6	6.239897799	4.302015485	1.937882314	7.84E-05
peak_35299	chr11	3798671	3798951	-107499	Intergenic	NM_001020588	itih3a	3.681503107	1.743846573	1.937656534	0.007319
peak_22760	chr18	11334297	11334701	165985	Intergenic	NM_001013335	zgc:110789	8.307603018	6.370009663	1.937593355	0.000151
peak_31287	chr4	57226013	57226453	-82663	Intergenic	NM_001122627	zgc:174275	3.500574775	1.563041777	1.937532998	0.002836
peak_13691	chr18	11043100	11043857	457006	Intergenic	NM_001013335	zgc:110789	7.856944595	5.919472006	1.937472589	6.53E-07
peak_32032	chr23	5991443	5992161	-136645	Intergenic	NM_200558	mybpha	7.552456105	5.615049666	1.937406439	0.003453
peak_33586	chr24	40066522	40066955	18466	Intergenic	NM_001077331	zgc:154125	3.92580277	1.988676984	1.937125786	0.005008
peak_23680	chr13	2923478	2923868	-18508	Intergenic	NM_131567	prph2b	7.187929225	5.251043851	1.936885375	0.000223
peak_33403	chr8	47300810	47301500	-72831	Intergenic	NM_001082481	zgc:158399	6.399536479	4.462731042	1.936805437	0.004823
peak_38554	chr21	94832	95524	22590	Intergenic	NM_001110480	klhl8	6.129333309	4.192973446	1.936359863	0.014113
peak_35463	chr7	46770989	46771258	190767	Intergenic	NM_001103194	uqcrfs1	5.196665911	3.260317171	1.936348741	0.007585
peak_21184	chr16	2928567	2929105	233167	Intergenic	NM_001162542	adcy3l	7.069884159	5.133908733	1.935975427	7.37E-05
peak_28685	chr21	20370846	20371111	31682	intron (NM_001014304, intron 2 of 6)	NM_001014304	pvrl3b	5.971119738	4.036179515	1.934940223	0.001363
peak_18095	chr3	1423104	1423520	-28512	intron (NM_001258319_1, intron 5 of 10)	NM_001258236	dicp1.17	6.689206053	4.754294081	1.934911972	1.44E-05
peak_32094	chr23	1934116	1934538	124795	Intergenic	NM_001002301	prdm5	6.803501832	4.86880755	1.934694282	0.003501
peak_25836	chr17	12904404	12904863	-14587	Intergenic	NM_001105707	fam177a1	6.267305486	4.332622799	1.934682687	0.000519
peak_30895	chr18	6506808	6507135	36742	intron (NM_152983, intron 15 of 46)	NM_152983	myo7aa	5.699433654	3.765124824	1.934308831	0.002549
peak_30029	chr17	21098976	21099285	-26017	Intergenic	NM_001077547	eno4	5.632603848	3.698430343	1.934173505	0.00204
peak_18111	chr23	40542678	40543155	-6425	Intergenic	NM_001103125	fam46ab	6.986142371	5.052036114	1.934106257	1.46E-05
peak_42368	chr14	11961207	11961617	-255438	Intergenic	NM_001105590	zgc:174917	5.586113811	3.652221367	1.933892444	0.025902
peak_28812	chr17	9511291	9511734	283309	Intergenic	NM_213310	egln3	6.612456964	4.678803533	1.933653431	0.001424
peak_41097	chr5	61597039	61597410	345381	Intergenic	NM_001127307	dtx2	6.397451531	4.463868212	1.933583319	0.021696
peak_41342	chr24	2274179	2274531	47639	Intergenic	NM_212616	zgc:85789	5.325355298	3.391954375	1.933400923	0.022438
peak_18203	chr23	28151592	28153272	-54860	Intergenic	NM_153643	acvrl1	9.478886232	7.545570228	1.933316003	1.53E-05
peak_33362	chr16	55732572	55733062	-112898	Intergenic	NM_199647	pdcl	6.308778146	4.376025146	1.932753	0.004778
peak_31133	chr18	1968679	1969003	205871	Intergenic	NM_207073	relt	6.070529039	4.13788044	1.932648599	0.002709
peak_36537	chr19	25142510	25142844	60688	intron (NM_001045221, intron 21 of 21)	NM_001045220	si:dkeyp-92c9.2	5.61334237	3.681101004	1.932241365	0.009628
peak_36578	chr9	19026728	19027054	193309	Intergenic	NM_001003476	dnajc15	2.950271315	1.018100569	1.932170747	0.009697
peak_30639	chr7	71392994	71393462	-6176	Intergenic	NM_001045045	olfcs1	4.750245246	2.818080298	1.932164948	0.00239
peak_12752	chr21	909129	909995	-77004	Intergenic	NM_194432	oaz2a	8.201778849	6.269698175	1.932080674	2.78E-07
peak_40747	chr7	32384218	32384590	-117795	Intergenic	NM_001013468	zgc:111992	5.790616223	3.858612756	1.932003467	0.020377
peak_36513	chr7	12598118	12598538	286265	Intergenic	NM_001080993	mex3b	6.918904228	4.986966535	1.931937694	0.009586
peak_31442	chr15	29544091	29544403	4637	intron (NM_001113485, intron 2 of 11)	NM_001113485	nlk2	6.068583979	4.136666183	1.931917796	0.002945
peak_17473	chr17	13799480	13800488	526623	Intergenic	NM_200482	jkamp	9.042946483	7.111453128	1.931493355	9.57E-06
peak_20610	chr16	17490	18437	-2968	Intergenic	NM_200901	sox4b	7.052384592	5.12098726	1.931397331	5.61E-05
peak_19354	chr8	54448546	54449218	59832	intron (NM_131296, intron 3 of 12)	NM_131296	tcf7l1b	8.163175734	6.231794718	1.931381016	2.85E-05
peak_24137	chr15	12950147	12950536	-10955	Intergenic	NM_001077570	scn4ba	5.881628736	3.950542973	1.931085764	0.000273
peak_18312	chr9	57791204	57792061	143511	intron (NM_200682_1, intron 2 of 4)	NM_200682_1	akap17a	8.270186031	6.339157453	1.931028578	1.62E-05
peak_16749	chr7	14871906	14872578	2951	intron (NM_001045106, intron 1 of 15)	NM_001045106	furina	7.739568048	5.808663231	1.930904817	6.12E-06
peak_17840	chr8	15536229	15536681	32498	intron (NM_001003634, intron 1 of 13)	NM_001003634	fnbp1l	7.323160258	5.392628421	1.930531837	1.24E-05
peak_40382	chr17	576901	577850	-19438	Intergenic	NM_001017876_2	fsip1	5.194901297	3.264527743	1.930373553	0.019176
peak_18938	chr2	38331816	38332375	93635	Intergenic	NM_001245990	gig2q	6.771388946	4.841042171	1.930346775	2.29E-05
peak_21136	chr10	4267402	4267780	66386	Intergenic	NR_029954		6.234033906	4.303888434	1.930145472	7.17E-05
peak_34762	chr24	35659881	35660307	-177925	Intergenic	NM_001002724	zgc:92591	7.102481664	5.172340262	1.930141401	0.006504
peak_12521	chr7	56778667	56779450	23933	Intergenic	NM_200668	aprt	8.402337182	6.472308407	1.930028775	2.23E-07
peak_34163	chr5	75142154	75143112	-33273	Intergenic	NM_001114475	fam78ab	5.929435882	3.999560467	1.929875415	0.005714
peak_23111	chr11	27729301	27729957	-94460	Intergenic	NM_001045307	acad9	8.404876798	6.475029814	1.929846984	0.000177
peak_18508	chr22	3270401	3271213	-16282	Intergenic	NM_001045318	zgc:136839	8.44051736	6.510786505	1.929730855	1.79E-05
peak_20398	chr23	12644867	12645865	-85438	Intergenic	NM_001077368	snx21	7.090565572	5.160870626	1.929694946	5.08E-05
peak_30860	chr14	18227047	18227267	12095	intron (NM_001166332, intron 1 of 4)	NM_001166332	nlgn3a	3.725478726	1.795862111	1.929616615	0.002532
peak_29356	chr14	48727691	48728112	117542	intron (NM_001004573, intron 9 of 9)	NM_201014	rom1b	6.185514627	4.256090845	1.929423782	0.001687
peak_29574	chr10	1343877	1344194	17777	exon (NM_001256077, exon 5 of 9)	NM_001256077	opn4xa	4.128390782	2.198998737	1.929392045	0.001796
peak_29758	chr10	242430	243726	-9836	intron (NM_131836, intron 4 of 5)	NM_001023580	ets2	7.434234877	5.504847837	1.929387041	0.001893
peak_29541	chr17	52462342	52462932	-43204	Intergenic	NM_001040406	numb	6.370273157	4.441378349	1.928894808	0.00178
peak_35662	chr17	41333021	41333560	92232	intron (NM_001017777, intron 6 of 11)	NM_001017777	bre	6.916904183	4.988189624	1.928714559	0.007957
peak_21533	chr3	24021036	24021379	8158	intron (NM_131117, intron 2 of 4)	NM_131118	hoxb4a	6.574816635	4.646301667	1.928514968	8.68E-05
peak_14269	chr13	28033631	28034428	6072	Intergenic	NR_030042		10.04878226	8.120457234	1.928325031	1.04E-06
peak_37941	chr24	17726922	17727386	-78758	Intergenic	NM_001008734	commd3	3.154623552	1.226539182	1.92808437	0.012596
peak_22243	chr24	3400681	3401072	-5198	exon (NM_001002062, exon 6 of 7)	NM_001089509	bdh1	6.213406957	4.285361857	1.9280451	0.000121
peak_25241	chr24	40286120	40286740	14473	intron (NM_001037415, intron 1 of 7)	NM_001037415	ntn2	6.166015232	4.238223934	1.927791298	0.000422
peak_24563	chr13	9757482	9757871	-40215	Intergenic	NM_131783	six2a	7.067253933	5.139466552	1.927787381	0.000325
peak_27514	chr13	20938139	20938555	-258891	Intergenic	NM_001144786	si:ch1073-126c3.	6.542078216	4.614309228	1.927768988	0.000929
peak_39138	chr18	46883415	46884111	3538	intron (NM_001017558_1, intron 1 of 5)	NM_001017558_1	ets1	6.821348227	4.893619365	1.927728863	0.015648
peak_16114	chr4	10365736	10366149	-9932	Intergenic	NM_131060	sema3aa	6.530205497	4.602565948	1.927639549	4.03E-06
peak_16110	chr13	29770085	29770462	27556	Intergenic	NM_001145571	chst3a	6.933578549	5.006103573	1.927474976	4.02E-06
peak_31606	chr21	5669187	5669605	-36980	Intergenic	NM_001017573	psmd5	6.31265569	4.385400443	1.927255247	0.003089
peak_42974	chr4	54480090	54480559	-880676	Intergenic	NM_001109740	zgc:173619	2.618352549	0.691124799	1.92722775	0.02854
peak_21556	chr6	51787034	51787415	11798	intron (NM_001287552, intron 4 of 4)	NM_001287552	LOC570865	6.409687848	4.482530328	1.92715752	8.80E-05
peak_34356	chr10	11951821	11952162	-145742	Intergenic	NM_001076644	trim23	4.191260267	2.264418289	1.926841977	0.005988
peak_30971	chr3	29595980	29596266	-469	promoter-TSS (NM_001017756)	NM_001017756	grap2a	5.846458146	3.919921053	1.926537093	0.002601
peak_18310	chr9	15049897	15050553	-269159	Intergenic	NM_212966	nrp2b	7.2873384	5.36085599	1.92648241	1.62E-05
peak_41365	chr10	189789	190410	16813	intron (NM_131836, intron 3 of 5)	NM_001003421	dscr3	5.87300446	3.946552944	1.926451515	0.022522
peak_36110	chr24	24864412	24864915	14914	intron (NM_001083026, intron 2 of 20)	NM_001083026	rps6ka3b	7.104729059	5.178326534	1.926402526	0.008745
peak_12109	chr21	3295600	3296456	-96087	Intergenic	NM_213302	hnrnpabb	8.581624488	6.655277288	1.926347201	1.49E-07
peak_28206	chr17	7077092	7077520	205707	Intergenic	NM_001023572	zbtb24	5.385125888	3.458784737	1.926341152	0.001177
peak_33664	chr5	46588967	46589407	25694	intron (NM_205628, intron 4 of 4)	NM_205761	dmrt1	6.818429161	4.892136152	1.926293009	0.005113
peak_30753	chr11	41260409	41260733	-144431	Intergenic	NM_001002073	vamp3	5.338487567	3.41222716	1.926260406	0.002459
peak_37164	chr2	27770684	27770995	-13480	Intergenic	NM_001004543	lyn	5.415380979	3.489150821	1.926230158	0.010939
peak_19743	chr1	18714312	18714753	97299	Intergenic	NM_207071	mettl14	6.350693407	4.424644651	1.926048756	3.54E-05
peak_19817	chr25	17916072	17916615	31021	Intergenic	NM_199801	zgc:66449	8.112866666	6.186819737	1.926046928	3.70E-05
peak_28739	chr17	15539820	15540163	-31576	Intergenic	NM_001004566	manea	6.241625209	4.315853242	1.925771967	0.001388
peak_34471	chr22	17914514	17915231	-2007	Intergenic	NM_201494	tjp3	6.192428196	4.266794322	1.925633874	0.006147
peak_30688	chr4	60146140	60146531	-99792	Intergenic	NM_201580	nup50	6.392472402	4.466847999	1.925624403	0.002418
peak_37040	chr5	597222	597580	96633	Intergenic	NM_001004603	ass1	4.681503107	2.756203433	1.925299674	0.010639
peak_31198	chr1	1085911	1086256	14946	Intergenic	NM_131603	runx1	5.851819955	3.926668631	1.925151325	0.002758
peak_32641	chr16	6563317	6563794	68694	Intergenic	NM_001020563	echdc1	7.614708724	5.689609458	1.925099266	0.004023
peak_14905	chr18	49100491	49101357	-32163	Intergenic	NM_001079949	si:dkey-105e17.1	7.640344818	5.715425479	1.924919339	1.69E-06
peak_33425	chr9	30797185	30797864	92663	intron (NM_001077576, intron 7 of 13)	NM_200271	rnaseh2b	6.622795192	4.697976859	1.924818333	0.004844
peak_27290	chr9	56219804	56220346	21897	Intergenic	NM_001130697	tmsb4x	6.633255515	4.708462226	1.924793289	0.000857

peak_17268	chr15	32915145	32915919	91578	Intergenic	NM_001127474	dckl1b	8.540429209	6.615637035	1.924792173	8.38E-06
peak_24103	chr17	1935711	1936515	-161937	Intergenic	NM_001163923	ccbe1	7.563669521	5.639028155	1.924641366	0.000269
peak_22016	chr25	21698774	21699211	2485	intron (NM_198805, intron 1 of 9)	NM_198805	gnaia	7.260455623	5.335848591	1.924607032	0.00011
peak_35585	chr20	43829131	43829472	-11105	intron (NM_001076575, intron 16 of 17)	NM_214685	laptm4a	6.249176777	4.324689354	1.924487423	0.007822
peak_12548	chr21	22552917	22554582	31740	intron (NM_199635, intron 2 of 4)	NM_199635	zbtb16a	9.931050459	8.006598674	1.924451785	2.28E-07
peak_40373	chr7	20744083	20744418	13521	exon (NM_001037559, exon 9 of 10)	NM_001105130	oxa1l	6.050727242	4.126278077	1.924449166	0.019153
peak_27952	chr9	4021505	4021892	-353341	Intergenic	NM_180973	sp5a	6.772383151	4.847952684	1.924430467	0.001088
peak_29357	chr2	2996860	2997395	27406	intron (NM_001256634, intron 1 of 32)	NM_001256634	rock1	4.057383766	2.132953351	1.924430415	0.001687
peak_18460	chr20	1860926	1861753	92316	intron (NM_001278799, intron 12 of 49)	NM_001278799	lama2	7.399796886	5.47587751	1.923919376	1.75E-05
peak_16532	chr14	46841383	46841850	153798	Intergenic	NM_001044886	si:ch211-240l14.1	6.702591108	4.77872894	1.923862168	5.36E-06
peak_38917	chr16	14324252	14325085	52353	Intergenic	NM_001289880	rasip1	7.058189615	5.134665164	1.923524451	0.015036
peak_34383	chr11	7248305	7248806	-22052	Intergenic	NM_131321	bmp7a	6.185212517	4.261846708	1.92336581	0.006025
peak_23287	chr19	705494	706198	-43242	Intergenic	NM_001045060	zgc:162356	7.741726767	5.818507662	1.923219105	0.000189
peak_32250	chr3	44117680	44118147	-92662	Intergenic	NR_030104		7.342294085	5.41943837	1.922855715	0.003642
peak_27493	chr18	9608159	9608776	150323	Intergenic	NM_001100024	LOC566572	6.663793305	4.741183215	1.92261009	0.000925
peak_13736	chr23	14207	16239	94800	Intergenic	NM_130985	twist3	9.954740581	8.032419592	1.922320989	6.73E-07
peak_41846	chr22	10804051	10804279	-4629	Intergenic	NM_207066	abhd14a	4.152152513	2.229879429	1.922273084	0.024108
peak_37389	chr15	33654013	33654626	60451	intron (NM_212883, intron 9 of 12)	NM_212883	agmo	3.2869161	1.364650599	1.922265501	0.011409
peak_15763	chr4	21398137	21399663	-16938	Intergenic	NM_200791	zgc:73329	9.768255777	7.846009959	1.922245818	3.21E-06
peak_20459	chr24	3285964	3286849	51406	Intergenic	NM_213135	cyb5a	8.564434868	6.642263715	1.922171153	5.20E-05
peak_42630	chr23	23229276	23229600	244121	Intergenic	NM_001003830	noc2l	3.785795595	1.863651775	1.92214382	0.026969
peak_31747	chr18	33437759	33438026	-79819	Intergenic	NM_001082996	ccdc19	5.83954138	3.917590063	1.921951317	0.003223
peak_26195	chr11	41558993	41559709	-53065	Intergenic	NM_205591	uts2b	4.94738232	3.025634857	1.921747463	0.000589
peak_33505	chr8	5082024	5082328	35443	Intergenic	NM_131039	es1	4.484950298	2.563575635	1.921374664	0.004927
peak_38819	chr11	36233565	36234002	28549	intron (NM_200450, intron 1 of 10)	NM_200450	camkvb	6.68535349	4.764072125	1.921281365	0.014809
peak_35868	chr11	17881144	17881468	332210	Intergenic	NM_001077273	fam19a4b	3.104231123	1.182984519	1.921246604	0.00832
peak_42822	chr8	50576580	50577062	-185436	Intergenic	NM_001128741	zgc:195023	5.584255219	3.663041678	1.92121354	0.027783
peak_13406	chr3	10974369	10975152	-36195	Intergenic	NM_001077531	srl	7.959834942	6.038774065	1.921060877	5.13E-07
peak_16213	chr1	39863658	39864237	-42789	Intergenic	NM_130968	tenm3	7.247586194	5.326943672	1.920642521	4.32E-06
peak_23417	chr3	39455140	39455493	27948	Intergenic	NM_001003526	zgc:100868	6.174276477	4.253885387	1.920391089	0.000199
peak_41898	chr25	38227358	38227833	-8696	Intergenic	NM_001200021	LOC570474	4.288041959	2.367686229	1.92035573	0.024312
peak_22869	chr13	14870897	14871525	5800	exon (NM_198144, exon 3 of 3)	NM_198144	emx1	7.855331501	5.935015029	1.920316473	0.000159
peak_20431	chr24	28003955	28004523	122345	Intergenic	NM_001077583	zmynd11	7.778321527	5.858040535	1.920280993	5.14E-05
peak_30150	chr13	19559605	19559921	192171	Intergenic	NM_131280	emx2	5.638353464	3.718288386	1.920065078	0.002111
peak_17144	chr4	11950682	11951072	-24372	Intergenic	NM_212680	hmga2	6.897986938	4.978088861	1.919898077	7.70E-06
peak_13338	chr9	40371327	40372102	-314105	Intergenic	NM_200000	myl1	8.505931542	6.586239768	1.919691775	4.84E-07
peak_38509	chr15	37493023	37493660	-11577	Intergenic	NM_131481	robo1	7.225080478	5.305448657	1.91963182	0.014003
peak_39222	chr22	197475	197887	5677	intron (NM_212958, intron 2 of 9)	NM_212958	prkar2ab	4.467110104	2.547488883	1.919621221	0.015876
peak_30558	chr12	24120465	24120727	97294	Intergenic	NM_001202427	cdca9	5.969717154	4.050145936	1.919571218	0.002343
peak_29092	chr20	30749119	30749336	20751	Intergenic	NM_212997	acbd3	5.368129927	3.449213907	1.91891602	0.001554
peak_43806	chr19	7404579	7408894	-9432	Intergenic	NM_001245959	pvrl2l	5.981636473	4.062918883	1.91871759	0.032212
peak_35696	chr12	24894234	24894878	47982	Intergenic	NM_131784	bambia	6.193364869	4.274698831	1.918666038	0.008016
peak_18830	chr16	23743689	23744127	-33089	Intergenic	NM_001045163_1	si:ch211-154o6.2	6.071202246	4.152869111	1.918333134	2.16E-05
peak_13316	chr8	48662599	48663520	-339	promoter-TSS (NM_182941)	NM_182941	sult1st1	9.942319886	8.024166617	1.918153269	4.70E-07
peak_23962	chr23	162962	164013	24864	Intergenic	NM_001077296	zgc:153351	7.821148135	5.903009895	1.918138241	0.000253
peak_24077	chr16	39373790	39374425	-428	promoter-TSS (NM_001017683)	NM_001017683	rab42b	4.8718786	2.954152525	1.917726075	0.000266
peak_40070	chr8	4646377	4646710	10357	Intergenic	NM_001045427	srrd	6.463377579	4.546031693	1.917345886	0.018222
peak_38579	chr10	42789679	42790019	25084	intron (NM_001002414, intron 1 of 6)	NM_001002414	cabp1b	2.970047467	1.052834703	1.917212764	0.014166
peak_17356	chr21	13868591	13869463	-38696	Intergenic	NM_200784	chchd10	8.718640048	6.801612204	1.917027844	8.88E-06
peak_30537	chr11	31146043	31146369	16784	exon (NM_001114730, exon 11 of 20)	NM_001114730	ppef1	5.973591395	4.05687913	1.916712265	0.00233
peak_25641	chr23	9500370	9500945	-114772	Intergenic	NM_199872	osbpl2b	7.132157201	5.215484202	1.916672999	0.000486
peak_14081	chr25	28984992	28986099	-154067	Intergenic	NM_001114348	fezf1	9.373922829	7.457310279	1.91661255	9.02E-07
peak_30544	chr21	24082133	24082478	-180381	Intergenic	NM_001082863	jam3b	6.455603729	4.539037753	1.916565976	0.002334
peak_39907	chr4	48154289	48154706	368913	Intergenic	NM_001122615	zgc:174646	2.742004936	0.825787209	1.916217726	0.01772
peak_16698	chr19	50228222	50229015	-28812	Intergenic	NM_001033754	zgc:114119	8.554806821	6.638679503	1.916127318	5.95E-06
peak_43807	chr20	4379633	4380035	122840	Intergenic	NM_001076758	zgc:154018	5.050727242	3.13477695	1.915950292	0.032215
peak_11840	chr9	5551005	5552356	-189132	Intergenic	NM_001037685	abhd13	10.55187735	8.635961168	1.915916178	1.14E-07
peak_24149	chr14	51124839	51125150	12303	intron (NM_001004598, intron 6 of 12)	NM_001004598	etfdh	5.819780773	3.904050928	1.915729845	0.000275
peak_34528	chr9	5384609	5384976	-22244	Intergenic	NM_001037685	abhd13	6.373458838	4.457786007	1.91567283	0.006225
peak_17025	chr23	43189416	43189995	5443	intron (NM_001006027, intron 1 of 5)	NM_001006027	myl9a	7.229637384	5.314127879	1.915509505	7.12E-06
peak_15619	chr9	22727594	22728083	-28241	Intergenic	NM_001002483	sox1a	7.871701824	5.956244019	1.915457805	2.84E-06
peak_33496	chr23	9584152	9584541	-31083	Intergenic	NM_199872	osbpl2b	6.170923746	4.25548505	1.915438695	0.004913
peak_37334	chr4	60189020	60189319	-56958	Intergenic	NM_201580	nup50	4.169361555	2.253961521	1.915400034	0.011287
peak_25010	chr17	17732192	17732542	-52849	Intergenic	NM_001045384	ccdc85ca	6.171211063	4.255878497	1.915332566	0.000389
peak_36787	chr22	32371043	32371745	7774	intron (NM_198978, intron 2 of 10)	NM_198978	pdcd4b	6.807236716	4.892028242	1.915208474	0.010094
peak_38423	chr10	31466053	31466433	331571	intron (NM_001003852, intron 2 of 9)	NM_001005580	opcml	5.76734639	3.852191356	1.915155035	0.01384
peak_16291	chr18	19859423	19860274	45152	Intergenic	NM_001002604	morf4l1	8.191255878	6.276119394	1.915136485	4.56E-06
peak_17223	chr23	10590151	10590617	87268	Intergenic	NM_001099237	eif4ba	7.489225175	5.57409457	1.915130605	8.14E-06
peak_25942	chr25	36822657	36823032	68639	Intergenic	NM_001159829	slc2a13b	6.380352505	4.465347808	1.915004697	0.000539
peak_34139	chr4	1180017	1180537	-22607	Intergenic	NM_178301	chrm2a	4.658131683	2.743179774	1.914951909	0.005692
peak_22948	chr16	8981839	8982309	58884	Intergenic	NM_001077532	cnot10	7.550574138	5.635671309	1.914902829	0.000166
peak_15970	chr9	23626496	23627229	-38270	Intergenic	NM_001126461	etv5a	8.310864776	6.396080163	1.914784613	3.70E-06
peak_27661	chr12	35275735	35276102	8057	intron (NM_212582, intron 1 of 25)	NM_212582	llgl2	6.399536479	4.485246234	1.914290245	0.000977
peak_35199	chr3	31583844	31584090	-153613	Intergenic	NM_200658	ccdc43	4.587486179	2.6736744	1.91381178	0.007185
peak_33665	chr12	8308906	8309255	-9833	Intergenic	NM_200241	ccdc6b	5.541856033	3.628045915	1.913810118	0.005113
peak_32644	chr20	14796529	14796894	4298	intron (NM_001128524, intron 13 of 19)	NR_030743		6.144348729	4.230645167	1.913703562	0.004026
peak_32503	chr1	24520275	24520667	12111	intron (NM_213440, intron 10 of 14)	NM_213440	plrg1	4.429734144	2.516086457	1.913647687	0.003896
peak_32639	chr25	23726195	23727069	49203	intron (NM_200880, intron 3 of 6)	NM_200880	dusp8a	8.44299439	6.529384495	1.913609895	0.004018
peak_16949	chr16	32674394	32674777	50173	Intergenic	NM_173250	cct3	6.485903181	4.57233881	1.913564372	6.85E-06
peak_26176	chr14	45924562	45925016	-64929	Intergenic	NM_200975	gar1	7.475185891	5.561749617	1.913436274	0.000585
peak_40021	chr25	26015083	26016261	86950	Intergenic	NM_001142267_1	LOC100216314	3.621928594	1.708547363	1.913381231	0.01808
peak_35279	chr13	14105288	14105858	238237	intron (NM_001123058, intron 3 of 9)	NM_001145615	atrn	6.694322724	4.781040574	1.91328215	0.007302
peak_18906	chr22	32030326	32031207	-216692	Intergenic	NM_205574	pvalb7	6.380616398	4.467340749	1.913275649	2.25E-05
peak_13452	chr20	43358772	43359364	-51774	Intergenic	NM_001044916	unc93a	9.852169869	7.939044108	1.913125761	5.33E-07
peak_15121	chr10	2977154	2977833	-7375	Intergenic	NM_212832	oclna	8.25236531	6.339284297	1.913081013	1.97E-06
peak_32827	chr14	21949958	21950450	19073	intron (NM_199273, intron 2 of 13)	NM_199273	zgc:66433	7.67363857	5.760721156	1.912917413	0.004196
peak_32544	chr19	21058649	21059154	-94343	Intergenic	NM_001080162	satb1a	6.14685126	4.234001513	1.912849746	0.003934
peak_34226	chr2	40004542	40004927	-19353	Intergenic	NM_001130655_1	si:ch211-122l24.4	6.388263664	4.475525019	1.912738645	0.005808
peak_37848	chr5	54263509	54263784	178558	Intergenic	NM_001144046	si:dkey-151g22.1	5.352546571	3.440119789	1.912426781	0.0124
peak_27807	chr1	35103326	35103732	34154	intron (NM_001003527, intron 2 of 3)	NM_001003527	kctd15b	5.618747835	3.706471752	1.912276083	0.001032
peak_41490	chr4	56554296	56554877	541794	intron (NM_001114585, intron 9 of 15)	NM_001114585	zgc:174944	4.122017822	2.209825973	1.912191849	0.022876
peak_31455	chr1	47851138	47851419	-37299	Intergenic	NM_001005604	bcl9	5.336312431	3.424139371	1.91217306	0.002956
peak_27353	chr25	2507476	2507913	-82816	Intergenic	NM_001034973		4.958780025	3.046808765	1.91197126	0.000878
peak_20063	chr10	42706184	42706581	-38975	Intergenic	NM_001003536	brf2	6.680002956	4.768098605	1.911904352	4.28E-05
peak_38120	chr19	50159513	50159935	40082	intron (NM_001040330, intron 2 of 8)	NM_001033754	zgc:114119	6.345549967	4.433844099	1.911705867	0.013038
peak_12513	chr7	12276066	12277145	-74692	Intergenic	NM_001080704	mesdc2	9.544066518	7.632463864	1.911602654	2.22E-07
peak_29536	chr25	1606834	1607260	-43595	Intergenic	NM_001077455	ppm1h	4.063971374	2.152383063	1.911588312	0.001775
peak_15267	chr3	23980742	23981265	1853	exon (NM_131120, exon 2 of 2)	NM_131120	hoxb8a	7.55104315	5.63948647	1.91155668	2.21E-06
peak_20104	chr4	5528204	5528592	-3167	Intergenic	NM_001030113	rsph9	6.980746076	5.069628013	1.911118062	4.37E-05
peak_33241	chr9	51208859	51209445	-43660	Intergenic	NM_001017644	slc38a11	7.114141449	5.203164578	1.910976871	0.004641
peak_22147	chr23	40547988	40548545	-1075	Intergenic	NM_001103125	fam46ab	6.875275397	4.964380142	1.910895255	0.000116
peak_20819	chr9	30033346	30034315	2723	intron (NM_001007200, intron 1 of 25)	NM_001007200	ptpn4a	7.644086669	5.733237845	1.910848825	6.16E-05
peak_16289	chr2	21581264	21581879	62882	Intergenic	NM_201454	rab2a	7.469717138	5.558899537	1.910817601	4.55E-06
peak_25352	chr9	37040539	37040872	86116	Intergenic	NM_131690	atp1a1b	6.127429292	4.21693975	1.910489542	0.000441
peak_36465	chr8	23235284	23235979	-7419	Intergenic	NM_001045424	zgc:153631	5.106785545	3.196305303	1.910480243	0.009477

peak_23872	chr11	36488979	36489259	114927	Intergenic	NM_212679	bhlhe40	5.61606071	3.705797327	1.910263382	0.000244
peak_11707	chr2	56307106	56308769	36462	Intergenic	NM_001128342	jund	10.8295883	8.919331503	1.910256793	9.87E-08
peak_24459	chr15	30515432	30515767	-4928	Intergenic	NM_001089373	cuedc1b	5.857898161	3.948327286	1.909570874	0.000311
peak_40188	chr4	38860373	38860890	-521146	Intergenic	NM_001109839	zgc:173617	4.586571412	2.677016081	1.909555331	0.018581
peak_35398	chr12	27203094	27203367	-63571	Intergenic	NM_001128734	six2b	5.648933875	3.739397129	1.909536746	0.007496
peak_33574	chr12	47887054	47887409	-32393	Intergenic	NM_198802	adkb	5.718814869	3.809334369	1.909480501	0.004994
peak_29300	chr11	25423996	25424521	-31921	Intergenic	NM_001080582	mxra8a	7.631815175	5.723250696	1.908564478	0.001664
peak_17188	chr14	37763228	37763989	-106000	Intergenic	NM_001110281	aga	7.60897653	5.700741325	1.908235205	7.94E-06
peak_17842	chr25	37860109	37860840	237587	intron (NM_200913, intron 8 of 8)	NM_200913	wwox	8.547922819	6.639698152	1.908224667	1.24E-05
peak_16535	chr14	46471092	46471682	524027	Intergenic	NM_001044886	si:ch211-240l14.2	7.323564075	5.415421441	1.908142634	5.37E-06
peak_21435	chr6	51231077	51231540	293486	Intergenic	NM_001130610	rbl1	7.295355037	5.387288373	1.908066663	8.26E-05
peak_17380	chr7	15607198	15607609	193927	Intergenic	NM_001002518	mrpl46	6.524723878	4.616738407	1.907985471	9.02E-06
peak_27934	chr21	44005887	44006533	28353	intron (NM_001012389, intron 4 of 10)	NM_200743	skp1	6.625234126	4.717258336	1.90797579	0.001082
peak_25158	chr7	43021698	43022124	-591728	Intergenic	NM_131063	shha	6.4661012	4.558329047	1.907772153	0.00041
peak_37989	chr14	33864099	33864518	35097	intron (NM_131472, intron 18 of 29)	NM_131472	kdrl	6.485412503	4.57790822	1.907504284	0.012725
peak_39406	chr3	22995146	22995451	125480	Intergenic	NM_001128744	cyb561	5.339030839	3.431781985	1.907248854	0.016328
peak_16063	chr19	951376	951976	63033	Intergenic	NM_200413	slc44a4	8.736527089	6.829412295	1.907114794	3.93E-06
peak_24782	chr9	35999097	35999482	13443	3' UTR (NM_152886, exon 16 of 16)	NM_131587	gabpa	5.904629727	3.997637622	1.906992105	0.000357
peak_18551	chr17	397509	397828	-2166	Intergenic	NM_001020803	chrm5a	6.360658081	4.453700312	1.906957769	1.83E-05
peak_28110	chr20	47911463	47911845	-29590	Intergenic	NM_200967	efhc1	5.277844395	3.370995834	1.906848562	0.001145
peak_32036	chr17	25569867	25570151	50821	intron (NM_001044931, intron 7 of 10)	NM_001044931	kcnh1a	5.483448122	3.576793371	1.906654751	0.003457
peak_34198	chr4	19218909	19219271	31349	Intergenic	NM_001045155	dcp1b	3.918551392	2.012318603	1.906232789	0.00577
peak_31446	chr11	34709795	34710136	55402	Intergenic	NM_001079969	spoplb	6.078052674	4.171902004	1.90615067	0.002947
peak_20520	chr8	45385598	45386142	4444	intron (NM_001007031, intron 2 of 3)	NM_001007031	fam101a	6.19033979	4.284274786	1.906065003	5.35E-05
peak_21372	chr21	35109740	35110053	223465	Intergenic	NM_001007217	gpr34l	5.92507927	4.019037996	1.906041274	8.03E-05
peak_30352	chr23	6488574	6488842	84204	exon (NM_001077146, exon 4 of 8)	NM_001077146	bmp7b	5.759227137	3.853226053	1.906001084	0.002226
peak_38114	chr5	46711756	46712148	-45564	Intergenic	NM_001044775	smarca2	2.958780025	1.052834703	1.905945321	0.013025
peak_41731	chr8	20593388	20593741	77834	Intergenic	NM_001123276	znf692	5.969366295	4.063568311	1.905797984	0.023734
peak_28857	chr18	11191036	11191299	309317	Intergenic	NM_001013335	zgc:110789	5.733376394	3.827974779	1.905401615	0.001447
peak_26130	chr8	28310156	28310383	-26956	Intergenic	NM_001130795	si:ch211-254n4.3	5.176709942	3.271498311	1.905211631	0.000575
peak_27440	chr1	57993198	57993628	16831	intron (NM_001113805_1, intron 4 of 10)	NM_001111185	zgc:171470	5.665106406	3.759943074	1.905163331	0.000906
peak_24625	chr23	40705457	40705909	20673	intron (NM_199972, intron 5 of 6)	NM_199972	elovl4b	7.497407621	5.592249809	1.905157811	0.000333
peak_35731	chr9	5382570	5382988	-20231	Intergenic	NM_001037685	abhd13	6.207136617	4.302003461	1.905133156	0.008092
peak_32884	chr6	446100	446553	7924	intron (NM_001002715, intron 7 of 10)	NM_001002715	zgc:92360	4.843015081	2.937978676	1.905036405	0.004261
peak_11060	chr3	22330689	22331442	81891	Intergenic	NM_201449	cdc27	10.29953237	8.394684163	1.904848208	5.27E-08
peak_35232	chr7	72525558	72526011	35738	Intergenic	NM_200899	myoz2a	6.199378611	4.294569166	1.904809445	0.007233
peak_17949	chr25	34011121	34011753	-9098	Intergenic	NR_030102		7.520412354	5.615633071	1.904779283	1.33E-05
peak_41757	chr14	463877	464380	37515	Intergenic	NM_001114567	zgc:172215	5.523782363	3.619061182	1.904721181	0.023825
peak_41460	chr5	9066423	9066800	25865	Intergenic	NM_001076671	zgc:153352	2.459077363	0.554393687	1.904683676	0.022811
peak_20060	chr20	49948670	49949048	-258114	Intergenic	NM_001077270	ints9	6.384847471	4.480243142	1.904604329	4.27E-05
peak_26936	chr22	3805162	3805654	43499	Intergenic	NM_001013507	timm44	6.424368427	4.520103031	1.904265396	0.000763
peak_24020	chr13	52843169	52843493	92307	Intergenic	NM_131586	valopa	5.903895528	3.999764055	1.904131474	0.000259
peak_19544	chr2	766516	767030	103621	Intergenic	NM_131728	foxc1a	6.514858263	4.61074438	1.904113884	3.18E-05
peak_36590	chr11	162386	162898	-568	promoter-TSS (NM_001200058_1)	NM_001200058_1	LOC100006857	5.807225263	3.90335799	1.903867273	0.009718
peak_41672	chr6	691896	692250	-83192	Intergenic	NM_001114903	cyth4b	3.612866973	1.709418433	1.903448541	0.023543
peak_26447	chr3	55551081	55551361	-30364	Intergenic	NM_001159970	s1pr2	5.822136984	3.918779682	1.903357302	0.00064
peak_25181	chr15	29087160	29087550	9884	intron (NM_001076633, intron 10 of 10)	NM_001076633	zgc:153372	6.92091209	5.017590545	1.903321545	0.000413
peak_21126	chr22	39707379	39707910	31332	Intergenic	NM_001005981	kng1	7.642437049	5.739174281	1.903262768	7.14E-05
peak_12034	chr13	48917289	48918038	-131343	Intergenic	NM_001098262	zmp:0000001138	9.457944817	7.554723182	1.903221635	1.38E-07
peak_42152	chr14	51776708	51777085	54564	intron (NM_001017782_1, intron 14 of 17)	NM_001017782_1	dctn4	5.84569373	3.942596649	1.903097082	0.025171
peak_30276	chr14	49519401	49519758	32464	intron (NM_001115143, intron 1 of 21)	NM_001115143	prom1a	6.15891976	4.255851455	1.903068305	0.00218
peak_34600	chr23	42669928	42670290	164155	intron (NM_001127473, intron 2 of 3)	NM_001079852	cyp2aa3v1	5.94559977	4.042545749	1.903054022	0.006319
peak_26385	chr9	43424670	43425192	66578	Intergenic	NM_001004010	calcrla	6.149968815	4.247086054	1.902882761	0.000629
peak_31668	chr18	49434819	49435679	55433	Intergenic	NM_001080621	zgc:158464	7.364257625	5.461379717	1.902877908	0.003144
peak_27122	chr5	36179159	36179556	12042	intron (NM_198870, intron 3 of 5)	NM_198870	aif1l	6.233741789	4.330976627	1.902765162	0.000811
peak_22456	chr9	47335036	47335501	-194222	Intergenic	NM_001039358	hdac4	7.163401335	5.261126505	1.902274831	0.000133
peak_12553	chr15	14765392	14766049	-39552	Intergenic	NM_001077141	tada2a	9.647422072	7.7451626	1.902259472	2.30E-07
peak_14869	chr19	22780698	22781141	49960	intron (NM_001045159, intron 9 of 9)	NM_199656	slc52a2	7.414979517	5.513054344	1.901925174	1.65E-06
peak_38985	chr8	55178989	55180492	-18007	intron (NM_212609, intron 7 of 11)	NM_001256222	LOC553228	7.62289372	5.721337827	1.901555892	0.015234
peak_14703	chr23	41283675	41284282	-114568	Intergenic	NM_001139458	si:dkey-194e6.1	8.730045359	6.828505949	1.901539409	1.46E-06
peak_23423	chr12	3825500	3825959	35890	intron (NM_213148, intron 1 of 4)	NM_001204332	gngt2b	7.670302815	5.768821696	1.901481118	0.0002
peak_18703	chr8	37247134	37247629	128112	intron (NM_200957, intron 10 of 10)	NM_200957	slc15a4	6.756382873	4.854951684	1.901431189	2.00E-05
peak_38238	chr3	46132490	46132865	20667	intron (NM_001135975, intron 2 of 3)	NM_001135975	shisa9b	5.219927938	3.31874878	1.901179158	0.013361
peak_18725	chr8	27672401	27673187	1405	intron (NM_001126417, intron 1 of 3)	NM_001126417	si:ch211-156j16.5	8.30883939	6.407822511	1.901016879	2.02E-05
peak_24997	chr17	40523062	40523869	514700	Intergenic	NM_001013292	supt7l	8.700904499	6.799958527	1.900945972	0.000387
peak_15674	chr12	21979175	21979705	-756	promoter-TSS (NM_200221)	NM_200221	stx4	7.187778431	5.286921547	1.900856884	3.00E-06
peak_33918	chr3	39720096	39720684	-29550	Intergenic	NM_001024373	b9d1	6.542563757	4.642038491	1.900525266	0.005434
peak_16655	chr16	41963369	41964049	-30006	Intergenic	NM_001005934	gpd1l	8.640173083	6.739706172	1.900466911	5.77E-06
peak_39509	chr22	1745860	1746141	-7472	intron (NM_001013285, intron 1 of 4)	NM_001109848	zgc:173726	2.803316476	0.902938058	1.900378417	0.016653
peak_17329	chr11	22786880	22787367	43170	intron (NM_001199491, intron 1 of 17)	NM_001199491	foxp4	7.863117764	5.9627702	1.900347564	8.67E-06
peak_31542	chr2	13255817	13256207	-195459	Intergenic	NM_001100962	vps4b	5.628139488	3.727847261	1.900292227	0.003032
peak_13362	chr23	7686374	7686932	-18447	Intergenic	NM_153652	plagl2	8.40410197	6.503883275	1.900218695	4.95E-07
peak_32774	chr12	38819245	38819660	18063	intron (NM_001040355, intron 4 of 4)	NM_001040355	pmp22b	3.725478726	1.825330789	1.900147937	0.004155
peak_36733	chr8	18180426	18180877	110504	intron (NM_001030091, intron 4 of 17)	NM_001030091	prkcz	3.696843362	1.797021998	1.899821364	0.009969
peak_34695	chr4	52975915	52976169	598804	Intergenic	NM_001114418	zgc:174704	4.294778726	2.395123792	1.899654934	0.00643
peak_34796	chr3	34584140	34584724	62166	intron (NM_198911, intron 2 of 10)	NM_198911	sept9a	6.953635001	5.054022598	1.899612404	0.006549
peak_22538	chr7	64551932	64552307	739863	Intergenic	NM_131287	sox17	6.346901136	4.447733053	1.899168083	0.000138
peak_42644	chr23	45037587	45038018	29696	Intergenic	NM_001201337	LOC794400	5.122685838	3.22375423	1.898931608	0.02703
peak_22631	chr16	45328988	45329383	-34299	Intergenic	NM_131506	tbx20	6.733996154	4.835417803	1.89857835	0.000143
peak_12967	chr23	1177222	1179345	-21507	Intergenic	NM_001281802	psmb11b	9.885302213	7.987162893	1.89813932	3.40E-07
peak_13808	chr18	784938	785491	-8452	Intergenic	NM_214735	dhdhl	7.872270407	5.974401051	1.897869356	7.11E-07
peak_38592	chr4	42440488	42440709	-720805	Intergenic	NM_001114884	zgc:174696	3.504454597	1.606593419	1.897861178	0.014202
peak_19278	chr24	1241204	1241784	89491	intron (NM_181497, intron 5 of 16)	NM_181497	nrp1a	7.272601154	5.374864181	1.897736973	2.74E-05
peak_39897	chr10	11838775	11840173	-33225	Intergenic	NM_001076644	trim23	3.300368768	1.402722361	1.897646407	0.0177
peak_33371	chr8	20009929	20010309	-2861	intron (NM_201302, intron 5 of 5)	NM_001004593	zgc:92140	6.450082102	4.552442185	1.897639917	0.004785
peak_37759	chr5	16442613	16443090	-154707	Intergenic	NM_001128246	sc:d411	6.024881875	4.127395554	1.897486321	0.012179
peak_30613	chr3	49885730	49886010	-113624	Intergenic	NM_201307	ndel1b	5.425136181	3.527925882	1.897210299	0.002375
peak_14707	chr5	27386857	27387847	8989	intron (NM_001002744, intron 2 of 2)	NM_001002744	abhd17b	10.1752231	8.27810054	1.89712256	1.46E-06
peak_25623	chr17	46947111	46947398	971585	Intergenic	NR_029933		4.827567192	2.930452932	1.897114261	0.000484
peak_23441	chr24	6745273	6745709	-286414	Intergenic	NM_131774	anxa13	6.660524332	4.763553158	1.896971175	0.000201
peak_40330	chr3	59108758	59109044	73831	Intergenic	NM_001002657	uqcrc2a	5.229921789	3.333158614	1.896763175	0.019021
peak_28879	chr21	23372884	23373424	142254	intron (NM_001113551, intron 1 of 11)	NM_001113551	cadm1a	7.986759335	6.090035182	1.896724152	0.001455
peak_40801	chr21	32565222	32565576	-178735	Intergenic	NM_200026	rps14	2.451058288	0.554393687	1.896664601	0.020578
peak_36192	chr21	16652098	16652443	183829	Intergenic	NM_001080558	zgc:158666	5.981636473	4.08502987	1.896606603	0.008909
peak_37039	chr20	54661522	54662012	-11366	Intergenic	NM_001004519	fkbp3	5.316490654	3.420096203	1.89639445	0.010637
peak_40571	chr14	46810602	46811059	184584	Intergenic	NM_001044886	si:ch211-240l14.2	5.116995205	3.220625436	1.896369769	0.019883
peak_29384	chr16	51430498	51430711	174221	Intergenic	NM_001003763	eif3ha	4.85521994	2.958889419	1.896330521	0.001699
peak_23690	chr11	35914572	35915086	21513	Intergenic	NM_001003538	chchd4	7.161243571	5.265026406	1.896217165	0.000224
peak_18581	chr7	70654957	70655474	-224120	Intergenic	NM_199682	ap1g1	6.771779668	4.8756103	1.896169368	1.86E-05
peak_39641	chr6	587385	588915	12621	Intergenic	NM_001007320	fam83fb	7.692504635	5.796533661	1.895970974	0.016975
peak_27411	chr14	23761354	23761760	259835	Intergenic	NM_001004614	smyd5	6.140302384	4.244455735	1.895846649	0.000897
peak_23602	chr17	16611475	16612002	15212	intron (NM_001033743, intron 3 of 6)	NM_001033743	ston2	6.894654038	4.999030936	1.895623102	0.000215
peak_16703	chr8	30203426	30203934	-238370	intron (NM_001004123, intron 8 of 15)	NM_131091	atoh1a	6.881442272	4.985873931	1.895568342	5.97E-06
peak_22662	chr4	6820581	6821119	51610	intron (NM_001201357, intron 3 of 16)	NM_001030108	elk3	8.716489599	6.820929921	1.895559678	0.000146
peak_20429	chr7	10810548	10811010	-115372	Intergenic	NM_214730	asb7	6.797770985	4.90229473	1.895476255	5.14E-05

peak_23831	chr4	9554577	9555212	108455	intron (NM_001082867, intron 1 of 5)	NM_201152	tspan12	7.667792996	5.772536347	1.895256649	0.00024
peak_33448	chr15	46308644	46309624	-16195	Intergenic	NM_001039832_1	lsamp	5.347186972	3.451966424	1.895220548	0.00487
peak_19455	chr24	36775346	36775702	97103	Intergenic	NM_001030067	pcmtd1	6.532596183	4.637614989	1.894981194	3.01E-05
peak_28832	chr16	19967243	19967913	140667	Intergenic	NM_001080634	zgc:158847	7.222285668	5.327332753	1.894952915	0.001432
peak_35544	chr6	24095426	24095880	-42196	Intergenic	NM_001045847	nprl2	7.06759134	5.172819063	1.894772277	0.007748
peak_33661	chr5	30790794	30791230	-70	promoter-TSS (NM_001030100)	NM_001030100	noxa1	6.408394247	4.513693758	1.894700489	0.005108
peak_22182	chr11	20960112	20960528	213652	intron (NM_131086, intron 3 of 16)	NM_131086	cdh4	7.097192419	5.202663945	1.894528473	0.000118
peak_16520	chr5	9348868	9349633	8015	intron (NM_001099450, intron 11 of 12)	NR_104068		7.804306142	5.910004494	1.894301648	5.34E-06
peak_29013	chr18	38379973	38380505	-271850	Intergenic	NM_001017682	sema6dl	6.81801677	4.923828174	1.894188596	0.001515
peak_15339	chr14	19717066	19717798	48482	exon (NM_130945, exon 30 of 30)	NM_001029962	ergic1	8.622729656	6.728808557	1.893921099	2.33E-06
peak_14053	chr23	5067152	5067839	-36162	intron (NM_181498, intron 6 of 10)	NM_131064	ntf7	9.178001053	7.284270119	1.893730934	8.84E-07
peak_25755	chr8	9427066	9427634	21590	intron (NM_001075110, intron 2 of 8)	NM_001075110	otud5a	7.069056162	5.17540311	1.893653051	0.000506
peak_32667	chr1	32240804	32241099	160305	intron (NM_001166331, intron 4 of 4)	NM_001166331	nlgn4a	4.889874284	2.996501433	1.893372852	0.004045
peak_19101	chr6	6599599	6599888	20449	Intergenic	NM_001014319	zgc:113227	5.939880765	4.046546353	1.893334412	2.51E-05
peak_34508	chr25	28037333	28037645	-239567	intron (NM_001287539, intron 7 of 9)	NM_001245960	pot1	5.017773628	3.124563721	1.893209907	0.006201
peak_15647	chr24	6058431	6058946	39830	intron (NM_200738, intron 2 of 9)	NM_200738	abi1a	8.20446022	6.311485775	1.892974446	2.91E-06
peak_38839	chr4	7673421	7673860	-83242	Intergenic	NM_130937	wnt5b	6.395071877	4.502198499	1.892873378	0.014848
peak_13054	chr18	29579201	29579716	227249	Intergenic	NM_131844	maf	8.181956425	6.289568598	1.892387828	3.72E-07
peak_24848	chr19	34077249	34077889	8817	intron (NM_200723, intron 1 of 4)	NM_200723	hpca	6.772406617	4.880563342	1.891843275	0.000367
peak_32990	chr24	23881052	23881449	398082	Intergenic	NM_001075111	hnf4g	5.633464059	3.7417859	1.891678159	0.004389
peak_33988	chr17	2981234	2981514	80415	Intergenic	NM_001040251	zgc:136872	3.445014594	1.553484489	1.891530105	0.005509
peak_24978	chr18	6862932	6863184	403	exon (NM_001044872, exon 2 of 7)	NM_001044872	si:dkey-30c15.13	5.789026601	3.897600719	1.891425881	0.000385
peak_24147	chr1	14082962	14083214	97660	Intergenic	NM_001045485	pi4k2b	5.281273587	3.390061416	1.891212171	0.000274
peak_33572	chr22	39187616	39187914	226720	Intergenic	NM_001017600	polr2h	6.279276968	4.388150146	1.891126822	0.004993
peak_31786	chr23	39375605	39376013	8472	TTS (NM_001045224)	NM_001045224	bmf1	6.076424567	4.185409521	1.891015046	0.003255
peak_36281	chr23	38569557	38570029	316853	Intergenic	NM_001020707	zgc:112994	6.798956163	4.907990977	1.890965187	0.009086
peak_24354	chr18	42553648	42554171	-23707	Intergenic	NM_001081628	cdon	7.03921009	5.148287403	1.890922686	0.000299
peak_18264	chr3	31394673	31395055	-85308	Intergenic	NM_001080044	smg1	6.314054126	4.423276132	1.890777995	1.58E-05
peak_21390	chr12	5438814	5439061	-8373	Intergenic	NM_001282153	trpm4c	5.4695931	3.578959345	1.890633755	8.12E-05
peak_16700	chr25	5725141	5725606	97878	Intergenic	NM_001007420	zgc:101549	8.490994834	6.601364261	1.889630573	5.95E-06
peak_25537	chr12	6560084	6560376	122130	Intergenic	NM_212635	kat7	5.209829719	3.320676014	1.889153705	0.00047
peak_33570	chr5	73035050	73035407	54496	Intergenic	NM_001205027	dnajc25	3.84071513	1.951614525	1.889100606	0.004991
peak_37176	chr25	273790	274259	-7581	intron (NM_001077771_1, intron 2 of 2)	NM_001122698	pus7	4.649397536	2.760363432	1.889034104	0.010962
peak_24810	chr3	53435529	53435806	-102156	Intergenic	NM_001001403	atp13a	6.005143752	4.116158238	1.888985514	0.000361
peak_42326	chr12	26205472	26206111	-39515	Intergenic	NM_001001812	fshr	6.03938699	4.150443463	1.888943527	0.025735
peak_26949	chr12	20363416	20364353	-37886	Intergenic	NM_212747	csnk1e	8.445519203	6.55682315	1.888696053	0.000765
peak_19211	chr15	37688689	37689242	184047	intron (NM_131481, intron 2 of 28)	NM_131481	robo1	8.255834547	6.367306768	1.88852778	2.65E-05
peak_18892	chr3	57047091	57047476	57576	Intergenic	NM_001163443	LOC797202	6.870563987	4.982080516	1.88848347	2.23E-05
peak_20183	chr23	10498681	10499465	-4043	Intergenic	NM_001099237	eif4ba	8.354938036	6.466834673	1.888103363	4.55E-05
peak_17541	chr23	31950650	31951723	51101	Intergenic	NM_001004540	aldh8a1	8.101276594	6.213450059	1.887826534	1.01E-05
peak_23460	chr13	2732517	2732759	111837	Intergenic	NM_001161598	si:ch211-239i4.3	5.241043983	3.35342569	1.887618293	0.000203
peak_37147	chr24	39276701	39277617	-25673	intron (NM_001030270, intron 4 of 11)	NM_001077741	telo2	7.309186009	5.421578538	1.88760747	0.010867
peak_17635	chr21	35523934	35525397	97098	Intergenic	NM_001002503	ndfip1l	9.954693686	8.067091513	1.887602173	1.08E-05
peak_21892	chr13	45998353	45998852	46211	Intergenic	NM_001145701	si:ch211-168h21.	6.422319084	4.534750781	1.887568303	0.000104
peak_25771	chr18	22814525	22815854	40365	intron (NM_199209, intron 3 of 5)	NM_199209	cbfb	8.691069083	6.803765124	1.887303959	0.000509
peak_29358	chr18	29995918	29996620	-84962	Intergenic	NM_001128400	si:ch73-103b9.2	5.518008373	3.63070997	1.887298403	0.001687
peak_39204	chr20	15376999	15377477	-181370	Intergenic	NM_199987	jun	7.299285064	5.412132555	1.887152509	0.015834
peak_28276	chr2	47903481	47904177	26726	intron (NM_001076634, intron 2 of 3)	NM_001100050	mbnl1	9.313247368	7.426108043	1.887139325	0.001201
peak_32455	chr10	15793831	15794202	89301	Intergenic	NM_001201570	tjp2a	4.496684491	2.609569041	1.88711545	0.003844
peak_24786	chr8	26422048	26422638	36131	Intergenic	NM_213456	stk38a	7.403834766	5.516790986	1.88704378	0.000358
peak_14050	chr5	43166048	43166503	13181	intron (NM_001100040, intron 3 of 3)	NM_001100040	dnajb5	7.985106522	6.098844834	1.886261689	8.82E-07
peak_31384	chr23	30176307	30176613	48922	Intergenic	NM_001079960	mxra8b	5.893555742	4.007397495	1.886158246	0.002903
peak_18759	chr2	4249558	4250096	59494	intron (NM_194424, intron 1 of 25)	NM_194424	egfra	8.380348656	6.494638571	1.885710085	2.06E-05
peak_34298	chr9	57699571	57700100	51714	intron (NM_200682_1, intron 2 of 4)	NM_200682_1	akap17a	5.006834325	3.121294267	1.885540058	0.005907
peak_36411	chr19	16740699	16740939	-3634	Intergenic	NM_001004289	sf3a3	3.924355407	2.038947559	1.885407848	0.009358
peak_37381	chr8	44718792	44719165	-39590	Intergenic	NM_001135974	zgc:194007	5.970789671	4.085550917	1.885238755	0.011403
peak_17410	chr21	1579536	1579918	-329424	Intergenic	NM_205605	wdr91	7.17625398	5.29124597	1.88500801	9.20E-06
peak_32125	chr4	47236500	47236808	482860	Intergenic	NM_001113606	zgc:173720	3.768153455	1.883286092	1.884867363	0.003522
peak_26867	chr11	8102907	8103198	169199	Intergenic	NM_001080595	ttll7	6.197881892	4.313424378	1.884457515	0.000745
peak_33467	chr21	26117261	26117704	2626	intron (NM_201514, intron 6 of 8)	NM_201514	slc3a2b	6.317933612	4.43370427	1.884229342	0.004886
peak_35527	chr3	4178228	4178953	2972	intron (NM_001130791, intron 1 of 10)	NM_001130791	plbd1	3.385125888	1.500977555	1.884148333	0.007723
peak_42691	chr11	36673575	36674084	-69783	Intergenic	NM_212679	bhlhe40	6.210423655	4.326295524	1.884128131	0.027252
peak_14084	chr5	71422092	71422733	56404	Intergenic	NM_001168464	tnfsf13	8.315150959	6.431089659	1.8840613	9.03E-07
peak_35371	chr22	34874478	34874742	-159997	Intergenic	NM_001076629	manf	4.622769162	2.738812296	1.883956866	0.007451
peak_16886	chr17	5992475	5993159	-47576	Intergenic	NM_001002462	dusp23b	7.919085913	6.035345441	1.883740472	6.62E-06
peak_40300	chr2	27734135	27734451	-10424	intron (NM_001004543, intron 10 of 12)	NM_131347	urod	5.536627792	3.652937395	1.883690397	0.01893
peak_38689	chr9	48675257	48675650	206465	Intergenic	NM_001003480	zgc:92380	6.302368932	4.418687908	1.883681024	0.014404
peak_17918	chr9	8875299	8875873	75790	Intergenic	NM_212771	rab20	7.767441412	5.883770888	1.883670524	1.30E-05
peak_21776	chr23	3044183	3044624	118838	Intergenic	NM_001089467	zgc:158828	6.578975536	4.695307078	1.883668458	9.77E-05
peak_26102	chr21	16681330	16682612	204605	Intergenic	NM_213099	wdr5	8.753880621	6.870306069	1.883574552	0.00057
peak_34317	chr4	35874132	35874943	-310676	Intergenic	NM_001135989_1	zgc:174690	7.81626768	5.932869013	1.883398667	0.005929
peak_18700	chr18	11333179	11333563	167113	Intergenic	NM_001013335	zgc:110789	7.485780527	5.602401695	1.883378833	2.00E-05
peak_12839	chr16	148516	149725	-87504	Intergenic	NM_200627_1	cdkal1	8.745483111	6.862116192	1.883366919	2.99E-07
peak_35033	chr7	17420475	17420865	-83245	Intergenic	NM_001006026	csrp3	5.597056379	3.713758478	1.883297901	0.006915
peak_33187	chr25	28588865	28589453	13443	5' UTR (NM_001077719, exon 3 of 10)	NM_001077719	zgc:153935	5.921819023	4.038788733	1.88303029	0.004589
peak_34747	chr21	40397833	40398232	-7194	Intergenic	NR_034203		5.982679886	4.099687552	1.882992334	0.006477
peak_15833	chr1	18668720	18669345	-81738	Intergenic	NM_205685	grhprb	8.755620064	6.872631398	1.882988666	3.35E-06
peak_37728	chr12	2682477	2682676	104686	Intergenic	NM_131721	mapk8b	3.561542232	1.67866028	1.882881952	0.012107
peak_25685	chr10	9465601	9465896	2561	intron (NM_001004015, intron 3 of 8)	NM_001004015	lhx6	5.973570984	4.090805297	1.882765687	0.000493
peak_25046	chr9	12310250	12311166	-290	promoter-TSS (NM_001122701)	NM_001122701	znf804a	8.04681526	6.164250771	1.882564489	0.000393
peak_29874	chr6	596050	596783	12465	exon (NM_001114903, exon 8 of 13)	NM_001114903	cyth4b	8.542029556	6.659558074	1.882471482	0.001956
peak_25722	chr16	22724627	22725399	-98160	Intergenic	NM_001008631	jazf1b	7.755772658	5.873629151	1.882143507	0.0005
peak_18505	chr9	26428633	26429409	-29201	intron (NM_001110278, intron 5 of 11)	NM_201075	epc2	8.56111058	6.679067354	1.882043226	1.79E-05
peak_43509	chr22	39076146	39076588	338118	Intergenic	NM_001017600	polr2h	6.259020977	4.377096192	1.881924784	0.030817
peak_17443	chr1	30063535	30064956	-11203	Intergenic	NM_001013448	itga6b	8.424635589	6.542874412	1.881761177	9.35E-06
peak_15074	chr15	47220898	47222398	67819	Intergenic	NR_030402		8.308631379	6.426884148	1.881747231	1.91E-06
peak_16217	chr10	3554938	3555418	27420	Intergenic	NM_001037412	zgc:123275	7.56017893	5.678516862	1.881662068	4.33E-06
peak_29805	chr2	33064111	33064510	19898	Intergenic	NM_131723	klf17	5.743260748	3.861620555	1.881640193	0.001919
peak_27959	chr5	45550637	45551629	62162	Intergenic	NM_001013558	zgc:112966	7.794698983	5.913145936	1.881553047	0.00109
peak_19606	chr23	3120374	3120704	194974	Intergenic	NM_001089467	zgc:158828	6.177621434	4.296091619	1.881529815	3.30E-05
peak_16739	chr9	9169800	9171291	1430	intron (NM_001126383, intron 2 of 12)	NM_001126383	si:ch211-235e18.	9.418757837	7.537383735	1.881374102	6.08E-06
peak_22483	chr24	6747662	6747963	-288735	Intergenic	NM_131774	anxa13	6.183701022	4.302483408	1.881217614	0.000134
peak_27163	chr6	48176169	48176846	-17542	Intergenic	NM_182876	wnt2ba	7.580239827	5.699275188	1.88096464	0.000822
peak_33561	chr18	35224124	35224614	77917	Intergenic	NM_001044905	ttc9b	6.064280799	4.183450559	1.88083024	0.004979
peak_35746	chr5	67322804	67323092	49258	intron (NM_001278808, intron 6 of 21)	NM_001278808	pappab	3.229335828	1.348590594	1.880745234	0.00812
peak_34446	chr16	47807896	47808562	28621	Intergenic	NM_001078168	sult2st3	4.012975542	2.132274417	1.880701125	0.006119
peak_14745	chr14	14023659	14024461	-8914	Intergenic	NM_001159584	itln3	9.25993483	7.379272473	1.880662357	1.50E-06
peak_11904	chr8	17597608	17598377	-97	promoter-TSS (NM_001099245)	NM_001099245	plk2b	9.651016887	7.770379877	1.88063701	1.22E-07
peak_30321	chr16	45598959	45599213	-68701	Intergenic	NM_001005959	polr3glb	5.211610793	3.331072292	1.880538501	0.002209
peak_27152	chr11	32985609	32986057	398630	Intergenic	NM_001003624	diaph3	7.437528836	5.557054081	1.880474754	0.000819
peak_14993	chr2	54233316	54233751	27362	intron (NM_200690, intron 5 of 16)	NM_200690	ranbp3b	7.867266708	5.986952682	1.880314026	1.79E-06
peak_18929	chr2	52162493	52163217	-145750	Intergenic	NM_001122704	si:ch73-52e5.1	7.505686078	5.62559172	1.880094358	2.28E-05
peak_27082	chr1	17133495	17133861	54378	intron (NM_001170942, intron 5 of 10)	NM_001170942	klhl5	6.138118873	4.258218789	1.879900084	0.000799
peak_30053	chr11	35669156	35669558	-42365	intron (NM_001001818, intron 2 of 8)	NM_001079988	fam212aa	6.857340478	4.977509915	1.879830562	0.002053
peak_29892	chr5	10844519	10845166	-6133	Intergenic	NM_001109861	si:ch211-241p16.	6.791994133	4.912277042	1.879717091	0.001965

peak_30790	chr20	1462347	1462946	26979	Intergenic	NM_001100056	LOC796447	6.751277936	4.871807346	1.879470589	0.002478
peak_12658	chr14	37174460	37175162	53186	Intergenic	NM_205642	zgc:77938	8.584666167	6.705226079	1.879440088	2.51E-07
peak_38708	chr1	9026307	9026670	-4097	Intergenic	NM_201048	pdia2	5.162011373	3.28264339	1.879367983	0.014477
peak_29271	chr4	4985060	4985430	-3049	Intergenic	NM_001270973	tmem209	6.308778146	4.430089743	1.878688403	0.001647
peak_27216	chr1	19507676	19508413	99283	Intergenic	NM_131010	tll1	6.699645189	4.820997848	1.878647341	0.000837
peak_13543	chr15	3714219	3714908	34641	Intergenic	NM_001080055	lpar6a	9.55865691	7.680017099	1.87863981	5.73E-07
peak_37988	chr17	7877064	7877486	-175250	Intergenic	NM_001017841	slc18b1	6.106485105	4.227883051	1.878602054	0.012725
peak_42932	chr8	33475598	33475910	111552	Intergenic	NM_001020514	ncs1b	5.225227423	3.346801625	1.878425797	0.028297
peak_17229	chr15	4134577	4135290	145848	Intergenic	NM_131670	atp1b3b	8.808070829	6.930414481	1.877656348	8.18E-06
peak_40753	chr20	43928408	43928686	20905	intron (NM_001076575, intron 1 of 17)	NM_001076575	zgc:153725	5.538048028	3.66059451	1.877453518	0.020398
peak_37193	chr4	54052995	54053951	-453825	Intergenic	NM_001109740	zgc:173619	3.68663467	1.809570633	1.877064037	0.010996
peak_34191	chr18	39561842	39562249	10537	Intergenic	NM_001076747	fbxo36a	5.32699939	3.450028831	1.876970559	0.005755
peak_27043	chr1	46964473	46964784	62048	Intergenic	NM_001004513	tubgcp3	5.493243391	3.616289702	1.876953689	0.000789
peak_27583	chr4	56578422	56578679	517830	intron (NM_001114585, intron 9 of 15)	NM_001114585	zgc:174944	4.374503711	2.497582819	1.876920892	0.000953
peak_29886	chr18	35612444	35612951	13061	Intergenic	NM_212775	tbcb	6.636144784	4.759403882	1.876740902	0.00196
peak_42276	chr7	71075575	71076112	56343	intron (NM_001128544, intron 6 of 24)	NM_001128544	si:dkey-119o24.1	4.47701655	2.600412843	1.876603707	0.025569
peak_32588	chr19	759424	759811	10082	exon (NM_199887, exon 10 of 14)	NM_199887	msto1	6.47901846	4.602464246	1.876554213	0.003964
peak_31151	chr7	69981178	69981546	178132	Intergenic	NM_200876	dhx38	5.907217858	4.030667244	1.876550614	0.002724
peak_42364	chr7	6983879	6984229	171814	Intergenic	NM_001089569	zgc:163040	2.430813397	0.554393687	1.87641971	0.025885
peak_34486	chr19	44488871	44489387	-29085	Intergenic	NR_030073		6.756382873	4.879992104	1.87639077	0.006177
peak_43503	chr4	60288732	60289321	12530	intron (NM_001128288, intron 1 of 7)	NM_001128288	zgc:172139	2.350931353	0.474639816	1.876291537	0.030788
peak_35674	chr12	18355852	18356963	87294	intron (NM_001002607, intron 5 of 6)	NM_001002607	rnls	4.523754484	2.647485275	1.876269208	0.007976
peak_14568	chr14	43145908	43146530	35845	intron (NM_001012263, intron 2 of 5)	NM_001127254	nitr13	8.215623133	6.339532594	1.87609054	1.31E-06
peak_12483	chr17	37154751	37156843	252	5' UTR (NM_001018140, exon 1 of 18)	NM_001018140	dnmt3ab	11.07887129	9.202785566	1.876085726	2.16E-07
peak_17573	chr9	54674588	54675628	70612	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	9.052019103	7.17615493	1.875864173	1.04E-05
peak_14394	chr1	35250647	35251294	47518	intron (NM_213357, intron 1 of 8)	NM_213357	gab1	8.611845474	6.736749118	1.875096356	1.15E-06
peak_36967	chr11	16535544	16535879	988	intron (NM_001003762, intron 1 of 5)	NM_001003762	arpc4l	5.710836863	3.83585163	1.874985232	0.01051
peak_31637	chr18	37176377	37176639	-15804	Intergenic	NM_200573	onecut1	5.415896059	3.54106276	1.874833298	0.003114
peak_24893	chr17	18502220	18502734	124899	Intergenic	NM_213385	vrk1	7.336720519	5.462071193	1.874649326	0.000373
peak_14089	chr7	31359400	31359931	-28331	Intergenic	NM_001037579	pstpip1b	8.112147076	6.237753662	1.874393414	9.06E-07
peak_29345	chr17	10880428	10881080	14345	intron (NM_001258228, intron 7 of 10)	NM_001258228	si:ch211-185a18.	7.096209903	5.221891099	1.874318804	0.001683
peak_22125	chr7	56774295	56774672	28508	Intergenic	NM_200668	aprt	7.135453894	5.261324508	1.874129386	0.000115
peak_31761	chr6	46805388	46805704	72878	Intergenic	NM_001014317	igfn1.1	5.99343799	4.119325314	1.874112677	0.003238
peak_20358	chr15	26486321	26487117	209887	intron (NM_200622, intron 22 of 24)	NM_200622	bcas3	8.482765077	6.608817968	1.873947109	4.98E-05
peak_31996	chr9	9190727	9191184	21840	Intergenic	NM_001126383	si:ch211-235e18.	6.101370662	4.227673794	1.873696868	0.003427
peak_27202	chr25	25394322	25394677	-353163	Intergenic	NM_001002089_1	tsg101a	5.955240826	4.081616516	1.87362431	0.000833
peak_34346	chr12	30840512	30840948	52450	Intergenic	NM_001111150	bms1l	5.24165911	3.3683871	1.87327201	0.005978
peak_17678	chr2	27921841	27922559	66875	Intergenic	NM_201330	dhcr7	9.284103774	7.411009226	1.873094548	1.11E-05
peak_20050	chr18	30575674	30576107	63622	Intergenic	NM_001002622	irf8	6.944529182	5.071668982	1.8728602	4.25E-05
peak_27985	chr11	35717770	35718063	37846	intron (NM_001001818, intron 1 of 8)	NM_001001818	gnai2a	5.404491329	3.531702414	1.872788915	0.0011
peak_31027	chr15	8125884	8126215	126251	intron (NM_001113555, intron 3 of 9)	NM_001040313	zgc:136739	4.815079557	2.942925185	1.872154372	0.002636
peak_15489	chr25	20526860	20527416	13871	exon (NM_001040302, exon 15 of 18)	NM_001040302	zgc:136858	8.447976649	6.575935736	1.872040913	2.59E-06
peak_26843	chr2	9930124	9930462	-5708	exon (NM_001100029, exon 7 of 7)	NM_201466	pfn2l	6.24164216	4.36960754	1.872034619	0.000739
peak_26199	chr20	11073038	11073372	215124	Intergenic	NM_001100043	flrt2	5.947046777	4.07531854	1.871728237	0.00059
peak_39524	chr8	35743991	35747766	-122880	Intergenic	NM_001003742	hpdb	4.948094724	3.076462478	1.871632246	0.01669
peak_16083	chr1	54731422	54732273	151619	Intergenic	NM_130954	dla	9.790094821	7.918504473	1.871590349	3.96E-06
peak_36102	chr1	27596016	27596847	-34211	Intergenic	NM_131197	ednrb1a	5.377710924	3.50661806	1.871092864	0.008729
peak_22245	chr10	45227445	45227980	-4082	Intergenic	NM_001020499	cetn3	7.329743359	5.458828983	1.870914375	0.000121
peak_26534	chr8	48645047	48645441	17476	Intergenic	NM_182941	sult1st1	6.125226196	4.254509422	1.870716774	0.000661
peak_43989	chr22	32362098	32363632	16303	intron (NM_198978, intron 5 of 10)	NM_198978	pdcd4b	8.11692063	6.246528832	1.870391798	0.032902
peak_39172	chr15	38741057	38741404	-38806	Intergenic	NM_001039991	gpr55a	6.05604335	4.185653	1.870390349	0.015764
peak_17805	chr18	721055	721960	4032	intron (NM_199333, intron 1 of 11)	NM_199333	pkma	8.131294932	6.261366364	1.869928567	1.21E-05
peak_11994	chr2	57482787	57484291	68133	Intergenic	NM_001245962_1	sbno2a	9.531431045	7.6615954	1.869835645	1.34E-07
peak_31667	chr14	1647452	1647831	29624	Intergenic	NM_001045338	hrh2	5.977434903	4.107631558	1.869803345	0.003143
peak_27763	chr20	15886152	15886766	76436	Intergenic	NM_001044818	fam20b	6.521841655	4.652109333	1.869732322	0.001018
peak_22015	chr17	4952316	4952808	123613	intron (NM_001002625, intron 10 of 11)	NM_201084	cdc5l	6.71606226	4.84640972	1.86965254	0.00011
peak_32061	chr3	3118432	3118742	116906	Intergenic	NM_001098774	zgc:165583	4.106785545	2.237570766	1.869214779	0.003479
peak_24226	chr5	4059008	4059417	-2788	Intergenic	NM_001100048	dhrs11a	6.361979587	4.492828352	1.869151235	0.000283
peak_14502	chr21	10213700	10214166	11096	Intergenic	NM_001005942	glrx	8.845780941	6.976690376	1.869090565	1.26E-06
peak_36895	chr25	27455987	27456277	57308	Intergenic	NM_001045461	zgc:153383	3.555944961	1.686923322	1.869021639	0.010348
peak_14402	chr16	121532	126226	-62263	Intergenic	NM_200627_1	cdkal1	11.4989777	9.630081656	1.868896042	1.16E-06
peak_23506	chr1	5961411	5961825	-110833	Intergenic	NM_001143751_2	erbb4a	6.293130194	4.42469037	1.868439824	0.000207
peak_33982	chr8	22337067	22337372	415848	Intergenic	NM_001040382	si:dkey-24f17.5	3.486912637	1.618666345	1.868246292	0.005504
peak_14612	chr15	28730556	28735000	3728	3' UTR (NM_131204, exon 8 of 8)	NM_131204	serpinh1b	10.88607188	9.017992665	1.868079215	1.36E-06
peak_38655	chr8	31418319	31418748	-49428	exon (NM_001123253, exon 10 of 23)	NM_001039816	specc1la	6.35096278	4.483020273	1.867942506	0.014332
peak_36251	chr4	44816442	44817144	441544	Intergenic	NM_001128300	LOC100008037	4.310441227	2.442696888	1.867744339	0.009023
peak_43047	chr3	29086675	29087186	-3948	Intergenic	NM_001005958	lgals1l1	2.342286181	0.474639816	1.867646365	0.028833
peak_39483	chr3	58588091	58588316	5486	intron (NM_001080585, intron 1 of 5)	NM_001080585	syngr2a	3.353084575	1.48548354	1.867601035	0.016562
peak_28787	chr2	48730977	48731367	218595	Intergenic	NM_001100058	LOC797092	6.470818537	4.603296268	1.867522268	0.001413
peak_17399	chr18	11193740	11194263	306483	Intergenic	NM_001013335	zgc:110789	8.344125929	6.476637408	1.867488521	9.13E-06
peak_16460	chr22	10785436	10786192	15528	Intergenic	NM_001002402	tusc2b	7.726199664	5.858822636	1.867377028	5.12E-06
peak_22749	chr12	45784831	45785550	-92111	Intergenic	NM_001202472	LOC100006246	7.771495442	5.904124379	1.867371062	0.00015
peak_39396	chr24	37061786	37062340	2760	Intergenic	NM_131887	cebpd	6.558293407	4.69098399	1.867309417	0.016307
peak_19301	chr15	1440218	1441238	5158	exon (NM_001007107, exon 3 of 8)	NM_001007107	il12a	7.762268353	5.894991287	1.867277066	2.78E-05
peak_42977	chr14	51619814	51620157	-21685	3' UTR (NM_001002038, exon 20 of 20)	NM_001079952	tnip1	5.73252551	3.865640316	1.866885194	0.028557
peak_21125	chr12	42470146	42470591	-659375	Intergenic	NM_212880	zgc:76887	7.272893802	5.406330625	1.866563178	7.14E-05
peak_17915	chr11	8510090	8510625	-138052	Intergenic	NM_001020583	tbl1xr1a	7.978912072	6.112494749	1.866417323	1.30E-05
peak_34924	chr11	40355936	40356297	2170	intron (NM_001018120, intron 1 of 5)	NM_200632	cdc42	6.349599683	4.483206821	1.866392862	0.00676
peak_35313	chr12	21248563	21249158	3267	intron (NM_001008648, intron 2 of 2)	NM_001008648	foxj1b	3.342286181	1.475978232	1.866307949	0.007343
peak_23329	chr20	1655517	1655911	-113309	Intergenic	NM_001278799	lama2	6.508835131	4.642671183	1.866163948	0.000193
peak_16866	chr24	30736181	30736571	-269614	Intergenic	NM_001099258	lppr5b	7.506902405	5.640852429	1.866049976	6.52E-06
peak_39486	chr12	1647	2034	-7905	Intergenic	NM_200421	adprm	6.489606502	4.623834236	1.865772265	0.016588
peak_21589	chr15	19400782	19401484	-27203	Intergenic	NM_199836	chp2	7.67267538	5.807249524	1.865425856	8.95E-05
peak_24721	chr18	1053441	1053752	4968	intron (NM_001177500, intron 1 of 1)	NM_001177500	ugt5f1	5.81705353	3.951985979	1.865067552	0.000347
peak_37580	chr12	137497	137952	-89417	Intergenic	NM_200462	dnah9	5.492783688	3.627747132	1.865036556	0.011815
peak_37872	chr9	407561	408633	-10051	Intergenic	NM_001034185	crfb5	6.422846642	4.557849658	1.864996985	0.012454
peak_18528	chr5	61860874	61861362	609275	Intergenic	NM_001127307	dtx2	7.510524144	5.645580588	1.864943556	1.81E-05
peak_18186	chr2	36957079	36957682	-8846	exon (NM_001128716, exon 7 of 10)	NM_001025530	sec62	8.512157991	6.647473059	1.864684932	1.52E-05
peak_34928	chr19	5499592	5499910	-37272	Intergenic	NM_001281923	ppp1r1b	5.913797102	4.049161417	1.864635684	0.006765
peak_30471	chr13	26300946	26301247	223999	Intergenic	NM_001040391	bcl11aa	5.671591134	3.807025236	1.864565898	0.002295
peak_33952	chr14	32428729	32429092	3688	5' UTR (NM_213369, exon 2 of 6)	NM_213369	mospd1	5.578745545	3.714291828	1.864453717	0.005473
peak_17056	chr14	33752945	33753835	-2782	Intergenic	NM_001004497	slc25a43	8.50895584	6.644746666	1.864209174	7.27E-06
peak_26458	chr14	40166899	40167325	33742	Intergenic	NR_039203		5.13528839	3.271221832	1.864066559	0.000641
peak_37318	chr7	13368945	13369325	179137	Intergenic	NM_001037578	fam154b	4.836828832	2.972812975	1.864015856	0.011254
peak_22494	chr2	52782785	52783270	-22589	Intergenic	NM_001110833	ccdc94	6.751674141	4.887962741	1.863711401	0.000135
peak_23779	chr20	49576765	49577255	-154463	Intergenic	NM_001014329	naa20	6.907196485	5.043490313	1.863706172	0.000234
peak_28201	chr5	5176581	5177118	34790	intron (NM_001076606, intron 2 of 4)	NM_001076606	mvb12ba	7.722561003	5.858939201	1.863621802	0.001175
peak_32606	chr15	29267878	29268202	117978	Intergenic	NR_030070		5.742439633	3.878940085	1.863499548	0.003984
peak_29989	chr9	45042516	45043229	171679	Intergenic	NM_200921	ube2e3	7.485657863	5.622347136	1.863310727	0.002019
peak_40615	chr17	27908329	27908921	252439	Intergenic	NM_001242995	kdm1a	6.380337109	4.517049451	1.863287658	0.019972
peak_27671	chr2	48335471	48335789	34342	exon (NM_001030161, exon 22 of 30)	NM_001030161	gigfy2	5.796561756	3.933527258	1.863034498	0.000981
peak_25509	chr6	57275184	57275553	151171	Intergenic	NM_001002869	ddx27	6.72962806	4.866661935	1.862966126	0.000464
peak_33778	chr2	28249974	28250252	-106753	exon (NM_001013520, exon 5 of 16)	NM_200331	zgc:56556	5.827157406	3.964285695	1.862871711	0.005237
peak_28831	chr23	20100734	20101308	-96660	Intergenic	NM_200027	rpl10	7.260143707	5.397880825	1.862262881	0.001431
peak_18278	chr2	10961544	10962132	-35262	Intergenic	NM_001003980	lhx8a	8.388336937	6.526089624	1.862247313	1.60E-05

peak_33191	chr12	13700131	13700529	-524335	Intergenic	NM_131014	cmn	4.737115014	2.874905848	1.862209166	0.004592
peak_22013	chr3	55852552	55852979	-8176	Intergenic	NM_001002228	rhbdf1	7.190348572	5.328169034	1.862179538	0.00011
peak_32353	chr17	42647932	42648323	19856	intron (NM_200127, intron 7 of 12)	NM_200127	mocs3	4.264145665	2.402382687	1.861762978	0.003746
peak_12909	chr20	8765399	8765951	-168626	Intergenic	NM_001040685	dab1a	8.297892609	6.436361809	1.8615308	3.19E-07
peak_43229	chr18	27373905	27374361	-10724	Intergenic	NM_001077249	tp53i11b	2.346615242	0.48510786	1.861507383	0.029668
peak_43228	chr1	17781200	17781645	40430	intron (NM_001145577, intron 11 of 21)	NM_001145703	phox2ba	2.346615242	0.48510786	1.861507383	0.029668
peak_15077	chr11	39056480	39057279	-10623	Intergenic	NM_001034175	etnk2	9.066429208	7.205087656	1.861341553	1.91E-06
peak_12943	chr18	8010332	8011374	33657	intron (NM_001128535, intron 6 of 21)	NM_001128535	si:ch211-220f12.	8.919991347	7.058688748	1.861302599	3.30E-07
peak_32327	chr19	713617	714178	-35191	Intergenic	NM_001045060	zgc:162356	4.68663467	2.825584159	1.861050512	0.003719
peak_17993	chr11	46248911	46249777	14254	intron (NM_001082993, intron 3 of 16)	NM_001082993	sos1	7.92280542	6.061770815	1.861034605	1.36E-05
peak_22676	chr22	7314035	7314961	-107655	Intergenic	NM_214791	asic1b	7.647618758	5.786925484	1.860693274	0.000147
peak_28258	chr2	41394433	41394990	-31762	Intergenic	NM_001020567	zgc:110158	6.530219374	4.669770687	1.860448687	0.001193
peak_36955	chr16	36670998	36671390	31261	intron (NM_200670, intron 3 of 14)	NM_200670	phactr4b	6.654631636	4.794214681	1.860416955	0.010474
peak_20131	chr4	4614240	4614773	10724	intron (NM_001080651, intron 1 of 11)	NM_001080651	creb3l2	7.706818975	5.84693239	1.859886586	4.44E-05
peak_26643	chr14	48105776	48106138	39338	Intergenic	NM_001080662	shisa3	5.948471564	4.088589068	1.859882497	0.000685
peak_32019	chr7	71580323	71580884	-23596	Intergenic	NM_001018147	olfcw1	4.83451899	2.974762446	1.859756544	0.003444
peak_15958	chr17	20845057	20845781	-36189	Intergenic	NM_001080088	phyhipla	9.399630339	7.539965579	1.859664759	3.65E-06
peak_36672	chr22	16235687	16236587	-7760	Intergenic	NM_001007386	dph5	8.05586366	6.196250159	1.859613501	0.009864
peak_39892	chr19	40842969	40844502	-142652	Intergenic	NM_213278	sfpq	3.766538874	1.907116997	1.859421877	0.017684
peak_25698	chr9	18311783	18312136	-12321	Intergenic	NM_001128338	vwa8	6.424880308	4.565560265	1.859320043	0.000495
peak_29699	chr19	13177643	13177895	92765	Intergenic	NM_001044994	si:ch211-105d11.	4.342286181	2.483030586	1.859255595	0.001859
peak_17936	chr10	9456587	9457047	-6370	intron (NM_200793, intron 4 of 5)	NM_001004015	lhx6	8.183772223	6.324589328	1.859182895	1.32E-05
peak_32807	chr12	43887661	43888261	394677	Intergenic	NM_001080602	ebf3	6.641893178	4.78300025	1.858892928	0.004183
peak_24136	chr19	28942655	28943038	-97148	Intergenic	NM_001082990	si:dkey-261i16.5	6.829899457	4.971097119	1.858802337	0.000273
peak_27751	chr25	334954	335766	44682	intron (NM_001077771_1, intron 2 of 2)	NM_001004604	zgc:92481	7.299564208	5.441049196	1.858515012	0.001014
peak_15991	chr8	15636688	15637155	42360	intron (NM_001113620, intron 2 of 10)	NM_001113620	bcar3	7.102321668	5.243910862	1.858410807	3.74E-06
peak_27568	chr11	35742846	35743581	12549	intron (NM_001001818, intron 1 of 8)	NM_001001818	gnai2a	8.168997482	6.310841908	1.858155574	0.000948
peak_34272	chr3	33322775	33323157	-72282	Intergenic	NM_131399	rarab	6.553867677	4.695972671	1.857895006	0.005867
peak_15439	chr20	28285841	28287485	-9879	Intergenic	NM_001110126	chac1	9.131410257	7.273680887	1.85772937	2.50E-06
peak_35428	chr5	69666803	69667214	78239	Intergenic	NM_001013309	htatip	6.695171678	4.837993796	1.857177882	0.007541
peak_26655	chr13	51937164	51937493	-61884	Intergenic	NM_144764	gpib	6.652666293	4.795603995	1.857062298	0.000687
peak_22892	chr23	23570298	23570871	-97025	Intergenic	NM_001003830	noc2l	7.312379068	5.455363749	1.85701532	0.000161
peak_19536	chr19	33355246	33355663	-47436	Intergenic	NM_001004653	zgc:103761	7.323838561	5.466875479	1.856963081	3.16E-05
peak_41989	chr11	1066879	1067477	21561	intron (NR_104087, intron 2 of 2)	NR_104087		4.432791331	2.575870615	1.856920716	0.024626
peak_34981	chr6	53738859	53739170	81400	intron (NM_001013503, intron 2 of 14)	NM_001013503	cacna2d2	5.422062711	3.565213163	1.856849548	0.006842
peak_32235	chr24	29078341	29078611	72966	intron (NM_001030253, intron 1 of 1)	NM_001030253	bcl2a	5.659002196	3.802263867	1.856738329	0.003632
peak_23447	chr10	22622310	22622737	40287	intron (NM_001166336, intron 2 of 7)	NM_001166336	nlgn2a	6.941838798	5.085226092	1.856612706	0.000201
peak_17213	chr22	21979344	21980243	39513	intron (NM_001130604, intron 9 of 19)	NM_001130604	tle2	7.866801333	6.01056424	1.856237093	8.06E-06
peak_40362	chr15	15078870	15079182	10754	Intergenic	NM_200099	dynll2a	5.253810789	3.397692266	1.856118523	0.019116
peak_29008	chr9	40071727	40072199	-14354	Intergenic	NM_200000	myl1	6.956480533	5.100369632	1.856110901	0.001513
peak_25320	chr25	6370347	6370593	-39187	Intergenic	NM_213019	ppib	5.340116769	3.484053669	1.8560631	0.000436
peak_33886	chr7	27095463	27095803	48927	intron (NM_201124, intron 1 of 14)	NM_201124	arrb2b	5.998605159	4.142580047	1.856025112	0.005378
peak_13587	chr16	57425787	57426681	16498	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	9.19975473	7.343792816	1.855961914	5.95E-07
peak_39256	chr10	14427612	14427959	24305	intron (NM_001080612, intron 6 of 6)	NM_001080612	galt	5.22819741	3.372309371	1.855888038	0.015988
peak_21972	chr11	19140646	19141117	-15240	Intergenic	NM_131245	id1	7.627138939	5.771275006	1.855863933	0.000108
peak_21494	chr6	4093269	4093893	-225247	Intergenic	NM_200247	unc50	6.923077203	5.067294441	1.855782763	8.49E-05
peak_17819	chr25	35611061	35611962	84037	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	8.697341755	6.841682852	1.855658904	1.22E-05
peak_24394	chr10	36815487	36815801	-34558	Intergenic	NR_048922		5.224051441	3.368416889	1.855634552	0.000304
peak_40609	chr18	11798585	11798803	-22692	Intergenic	NM_198372	fam107b	5.240462523	3.384983912	1.855478611	0.019942
peak_32765	chr7	9075840	9076222	23196	intron (NM_001020496, intron 1 of 4)	NM_001020496	zgc:113057	5.397697102	3.542452818	1.855244284	0.004138
peak_40574	chr3	7128879	7129299	159116	Intergenic	NM_205613	hn1b	5.385095197	3.529992818	1.855102379	0.01989
peak_43701	chr15	36832931	36833809	-5114	Intergenic	NM_001098245	si:dkey-24p1.1	4.2869161	2.431948405	1.854967694	0.031738
peak_41933	chr11	42316391	42316777	8511	exon (NM_001083570, exon 2 of 4)	NM_001083570	errfi1	6.148711754	4.293787109	1.854924646	0.024452
peak_35339	chr18	34127164	34127399	44607	intron (NM_001044862, intron 10 of 15)	NM_001044862	rasgrp4	5.521841655	3.667616242	1.854225413	0.007379
peak_37297	chr2	18433998	18435255	-5614	Intergenic	NM_200756	rwdd3	6.547051679	4.692881645	1.854170034	0.011213
peak_22320	chr9	45435297	45436127	-61585	Intergenic	NM_001002538	ppp1r1c	7.545266619	5.691400509	1.85386611	0.000126
peak_33447	chr3	41625892	41626219	-16364	Intergenic	NM_001013277	gna12a	5.987539192	4.134204572	1.85333462	0.004869
peak_17602	chr11	7990469	7991080	281477	Intergenic	NM_001080595	ttll7	8.658666294	6.805358938	1.853307356	1.06E-05
peak_33761	chr21	32822779	32823119	175518	Intergenic	NM_199763	rnf145b	4.71374782	2.860539448	1.853208372	0.005216
peak_28523	chr15	35413320	35413954	-11197	Intergenic	NM_183070	sst1.1	4.592962636	2.740525618	1.852437019	0.001299
peak_21169	chr4	4457568	4458321	-50044	Intergenic	NM_001130792	zgc:194209	8.217101569	6.364768479	1.85233309	7.31E-05
peak_32940	chr12	31914617	31914910	20490	Intergenic	NM_001164028	tdrd1	5.505935071	3.653616416	1.852318654	0.004339
peak_42820	chr13	6760679	6761051	84738	Intergenic	NM_001144794	exoc3l4	5.599779102	3.747612378	1.852166724	0.027774
peak_30235	chr1	26083364	26083845	5060	intron (NM_001122755, intron 2 of 6)	NM_001122755	bnc2	6.609970054	4.757859185	1.852110869	0.002163
peak_34321	chr20	23315071	23315601	12581	intron (NM_001159667, intron 1 of 59)	NM_001159667	fryl	5.948450794	4.096912039	1.851538755	0.005937
peak_19492	chr4	2967115	2967572	-151006	Intergenic	NM_213494	aebp2	7.718692235	5.867162768	1.851529467	3.07E-05
peak_31571	chr12	31851047	31851457	84001	Intergenic	NM_001164028	tdrd1	6.805087064	4.953566721	1.851520343	0.003061
peak_13538	chr25	32513545	32514208	-35819	Intergenic	NM_173275	lamb1a	8.801280072	6.950015421	1.851264651	5.70E-07
peak_41274	chr4	32731320	32731712	-299892	intron (NM_001109867, intron 2 of 3)	NM_001126485	LOC100006564	3.928693146	2.077505579	1.851187567	0.022254
peak_16838	chr5	37416234	37416985	12477	intron (NM_001126477, intron 1 of 13)	NM_001126477	stard8	8.942656346	7.091481182	1.851175164	6.45E-06
peak_35320	chr16	44302713	44303228	2167	exon (NM_001002540, exon 2 of 2)	NM_001002540	rpp25l	6.813344007	4.962367662	1.850976345	0.007349
peak_29816	chr14	4137196	4137626	16209	3' UTR (NM_001098776, exon 9 of 9)	NM_001098776	lrp2bp	6.755365704	4.9044178	1.850947905	0.001923
peak_33394	chr17	36089239	36089590	-30679	Intergenic	NM_131336	sox11a	6.461603317	4.610813763	1.850789554	0.004811
peak_16035	chr18	29369941	29370455	17989	Intergenic	NM_131844	maf	8.028204658	6.177486586	1.850718072	3.86E-06
peak_16076	chr16	14266258	14266737	-3455	Intergenic	NM_200506	cox6b2	7.334935415	5.48457797	1.850357445	3.95E-06
peak_31354	chr2	30243493	30243866	38983	Intergenic	NM_001291707	Mar-06	5.99824119	4.148240409	1.850000781	0.002888
peak_19292	chr5	43685458	43686914	-24651	Intergenic	NM_001013272	ubb	7.96857655	6.118785814	1.849790736	2.77E-05
peak_15521	chr11	39141191	39141991	-95335	Intergenic	NM_001034175	etnk2	9.538300123	7.688783322	1.8495168	2.67E-06
peak_31556	chr22	16122816	16123141	-2734	Intergenic	NM_001082859	rc3h1	5.649809955	3.800307613	1.849502342	0.003044
peak_20631	chr6	27926160	27927201	4086	exon (NM_200734, exon 4 of 9)	NM_200734	bcl6a	7.807046111	5.957876995	1.849169117	5.67E-05
peak_23859	chr14	14656403	14656886	76968	intron (NM_001114729, intron 1 of 25)	NM_001114729	limch1b	7.604338542	5.755602186	1.848736357	0.000243
peak_35745	chr10	39577036	39577269	32698	intron (NM_001001886, intron 11 of 23)	NM_001001886	usp25	3.557813132	1.709096771	1.848716361	0.008119
peak_28668	chr15	19640520	19640968	52195	intron (NM_131403, intron 3 of 4)	NM_131403	tpst1	6.750041002	4.901422905	1.848618097	0.001357
peak_35525	chr8	32072293	32072598	104855	Intergenic	NM_001126437	syn1	5.038068779	3.189563406	1.848505373	0.007722
peak_16278	chr18	15985327	15986160	79769	Intergenic	NM_001045074	alx1	8.462923313	6.614704871	1.848218443	4.50E-06
peak_19518	chr5	23673929	23675216	-3005	Intergenic	NM_001099997	LOC559803	9.187403577	7.339380574	1.848023003	3.13E-05
peak_28490	chr25	13457393	13457715	95299	Intergenic	NM_199604	map1lc3b	4.862084173	3.014435178	1.847648995	0.001286
peak_34329	chr18	12478769	12479163	120720	Intergenic	NM_001075112	tmem5	5.945242996	4.09760902	1.847633976	0.005955
peak_18311	chr21	27304477	27304822	-335367	intron (NM_001079970, intron 18 of 23)	NR_023323		6.680217359	4.832774906	1.847442453	1.62E-05
peak_30645	chr5	37659761	37659995	86537	Intergenic	NM_001004659	zgc:103697	5.814711783	3.96738132	1.847330463	0.002393
peak_36688	chr3	20023111	20023496	-15676	Intergenic	NM_194417	sepw2a	5.761660622	3.91437907	1.847281552	0.009888
peak_30952	chr18	29420757	29421042	68690	Intergenic	NM_131844	maf	5.883141315	4.036005926	1.847135389	0.00259
peak_23206	chr4	2560404	2560776	29548	intron (NM_001044997, intron 10 of 13)	NM_001044997	slco1c1	5.838389091	3.991340126	1.847048965	0.000184
peak_17251	chr22	18869332	18870829	-99728	Intergenic	NM_200017	cirbp	9.691608691	7.844689308	1.846919383	8.29E-06
peak_20828	chr18	30562306	30562648	50209	Intergenic	NM_001002622	irf8	5.916711607	4.069848784	1.846862823	6.20E-05
peak_42575	chr24	7680474	7680831	20132	intron (NM_001076562, intron 8 of 11)	NM_001076562	galnt11	2.555944961	0.709096771	1.84684819	0.026744
peak_16602	chr17	52070499	52071387	-82576	Intergenic	NM_001012488	zgc:113142	9.615416176	7.768613438	1.846802737	5.61E-06
peak_23290	chr5	73295804	73296168	-109947	Intergenic	NM_001278805	pappaa	6.026926057	4.180208947	1.84671711	0.00019
peak_13638	chr1	7730406	7732318	-2657	Intergenic	NM_131031	actb1	9.448992798	7.602360111	1.846632687	6.25E-07
peak_25170	chr23	30055349	30055899	-65	promoter-TSS (NM_201199)	NM_201199	pik3cd	7.278144245	5.431724245	1.84642	0.000413
peak_15157	chr25	33149458	33149963	121324	Intergenic	NM_001008639	zgc:101540	8.418464952	6.57217555	1.846289402	2.02E-06
peak_16470	chr23	25437585	25438060	14561	TTS (NM_200800)	NM_200800	fam3a	7.062820712	5.216642269	1.846178443	5.15E-06
peak_34001	chr17	19544270	19544618	84019	intron (NM_001002541, intron 9 of 17)	NM_001002541	rgs7	5.941670391	4.096059864	1.845610527	0.00552
peak_27974	chr21	37806652	37806902	28597	Intergenic	NM_194372	hnf1bb	4.997917271	3.152501355	1.845415916	0.001096
peak_26104	chr12	37040689	37041115	9240	Intergenic	NM_213304	socs3b	7.026926057	5.181520484	1.845405572	0.000571

peak_29633	chr21	27762675	27762958	-27445	Intergenic	NM_001079970	nrxn2a	6.200873779	4.355586974	1.845286805	0.001823
peak_24529	chr17	15536687	15537147	-28502	Intergenic	NM_001004566	manea	6.606138542	4.761102629	1.845035914	0.000321
peak_41983	chr24	37578488	37578747	54695	Intergenic	NM_001004610	tmem14cb	4.000666855	2.155703238	1.844963617	0.024595
peak_23234	chr4	3349541	3349948	23174	Intergenic	NM_200436	znf800b	6.226696054	4.3819441	1.844751954	0.000186
peak_20414	chr5	51748196	51748732	73083	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	6.744310411	4.899752005	1.844558407	5.12E-05
peak_18304	chr10	39863618	39864288	-14585	Intergenic	NM_001110374	serpinh1a	7.934292556	6.089874976	1.84441758	1.62E-05
peak_43005	chr12	6083443	6083825	-5775	Intergenic	NM_131322	dlx3b	3.20331505	1.358970226	1.844344824	0.028659
peak_31439	chr18	39860141	39860575	-7846	intron (NM_001089363, intron 5 of 10)	NM_178292	selt1b	6.04005539	4.195773971	1.844281419	0.00294
peak_29654	chr21	14435308	14435648	-13010	Intergenic	NM_131840	tnfrsfa	5.870000214	4.025910743	1.84408947	0.001834
peak_34120	chr16	13182930	13183331	-4649	Intergenic	NM_001245961	grik5	3.555944961	1.712098884	1.843846077	0.005672
peak_33267	chr5	4094408	4094823	32615	intron (NM_001100048, intron 1 of 6)	NM_001100048	dhrs11a	6.875264471	5.031565663	1.843698809	0.004664
peak_28514	chr23	5423110	5423434	55321	Intergenic	NR_039088		6.092338931	4.248674519	1.843664412	0.001297
peak_41241	chr7	7325211	7325987	-31661	Intergenic	NM_001020746	zgc:110425	6.555931329	4.712309925	1.843621404	0.02215
peak_31586	chr12	50549077	50550577	-14180	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	7.026598677	5.183074358	1.843524319	0.003072
peak_13560	chr24	33447225	33447796	65835	Intergenic	NM_131872	vim	7.986494231	6.143003201	1.84349103	5.82E-07
peak_19216	chr2	54549608	54550181	-64056	Intergenic	NM_001017676	capsla	7.174267596	5.330947269	1.843320328	2.66E-05
peak_17947	chr15	25719452	25719981	155614	intron (NM_203480, intron 1 of 2)	NM_199811	rpa1	7.410204963	5.567122648	1.843082315	1.33E-05
peak_29900	chr5	13308711	13309509	4888	intron (NM_131660, intron 1 of 27)	NM_131660	nos1	4.097825209	2.254805947	1.843019262	0.001968
peak_14564	chr17	10070014	10070801	29304	intron (NM_131432, intron 13 of 24)	NM_131432	tyro3	8.779022383	6.936088073	1.84293431	1.30E-06
peak_22740	chr10	9377641	9377912	-17558	Intergenic	NM_001007302	anxa3b	5.81822298	3.975549225	1.842673755	0.00015
peak_21707	chr7	43915321	43915693	25655	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	6.166015232	4.323347031	1.842668202	9.43E-05
peak_37024	chr15	19619408	19619743	73364	intron (NM_131403, intron 3 of 4)	NM_131403	tpst1	5.732136074	3.889502451	1.842633623	0.010612
peak_34633	chr1	12759144	12759412	93620	Intergenic	NM_199219	elf2b	4.002039684	2.159533624	1.84250606	0.006355
peak_33607	chr16	17870409	17871668	-103268	Intergenic	NM_153650	has2	6.958072879	5.115688862	1.842384017	0.005035
peak_43740	chr18	571655	572199	-35179	Intergenic	NM_001014356	fam219b	2.745287581	0.902938058	1.842349523	0.031918
peak_40805	chr11	36117699	36117996	-87387	Intergenic	NM_200450	camkvb	5.422575411	3.580246826	1.842328585	0.020588
peak_19612	chr25	22758285	22758855	-72412	Intergenic	NM_001098250	sigirr	8.87672332	7.03444896	1.84227436	3.31E-05
peak_21031	chr24	29341643	29342840	-272	promoter-TSS (NM_001003775)	NM_001003775	nrros	9.523062123	7.681438207	1.841623916	6.81E-05
peak_35724	chr7	463300	463604	53208	intron (NM_001079984, intron 1 of 8)	NM_001079984_1	nrxn2b	3.634375402	1.792814747	1.841560656	0.008075
peak_21004	chr19	14111967	14112607	106243	Intergenic	NM_001045170	fam46bb	6.696892816	4.855561322	1.841331494	6.72E-05
peak_23356	chr5	39339207	39339607	-5399	Intergenic	NM_001007152	dpf2	6.777437465	4.936203413	1.841234052	0.000194
peak_19755	chr1	46961376	46962124	59170	Intergenic	NM_001004513	tubgcp3	7.823490791	5.982347885	1.841142906	3.57E-05
peak_14968	chr7	697170	698139	19926	intron (NM_001001839, intron 4 of 10)	NM_001001839	rela	7.781828232	5.940976453	1.84085178	1.76E-06
peak_24268	chr24	3432806	3433235	-12635	Intergenic	NM_001033726	zgc:113390	6.479250533	4.638442129	1.840808404	0.00029
peak_20176	chr3	58267518	58267858	-27841	Intergenic	NM_199950	socs3a	6.592064631	4.751272592	1.840792039	4.54E-05
peak_20312	chr16	18484014	18484615	-94137	Intergenic	NM_001003589	ccdc12	7.224786542	5.384052897	1.840733645	4.84E-05
peak_17979	chr14	36284480	36285283	175321	Intergenic	NM_001007108	il12ba	7.742143576	5.901544023	1.840599553	1.35E-05
peak_25464	chr8	26227600	26227990	22869	Intergenic	NM_001002403	dnase1l3l	5.790616223	3.950313785	1.840302438	0.000459
peak_24385	chr10	22982369	22983083	-6	promoter-TSS (NM_001033091)	NM_001033091	si:ch211-237l4.6	6.665081128	4.824862733	1.840218395	0.000303
peak_18298	chr5	34328471	34330337	-79739	Intergenic	NM_199754	ier5l	9.673293269	7.833198801	1.840094468	1.61E-05
peak_26996	chr2	51438596	51438937	10189	intron (NM_001013444, intron 2 of 2)	NM_001142926	adcyap1r1a	6.078071659	4.23821561	1.839856049	0.000778
peak_18800	chr3	751461	751931	-17762	Intergenic	NM_200640	kdelr3	6.328368036	4.48859446	1.839773576	2.12E-05
peak_41237	chr12	1568825	1569799	-6780	Intergenic	NM_200532	rasd1	5.263034397	3.423525286	1.839509111	0.022138
peak_17575	chr1	48018851	48019859	22335	Intergenic	NM_200389	obfc1	9.172592194	7.333134209	1.839457985	1.04E-05
peak_42742	chr14	318378	318967	-1052	Intergenic	NM_001017768	cops6	4.982004654	3.142657014	1.839347639	0.02744
peak_22383	chr21	34047758	34048788	259	intron (NM_001089471, intron 1 of 2)	NM_001089471	adrb2b	7.706292704	5.867263574	1.83902913	0.000129
peak_42273	chr8	9423371	9423880	17865	intron (NM_001075110, intron 2 of 8)	NM_001075110	otud5a	7.467972394	5.628958766	1.839013628	0.025539
peak_34898	chr4	3902594	3902991	-49150	Intergenic	NM_201059	waslb	6.307945886	4.469124788	1.838821098	0.006717
peak_37071	chr15	34431671	34432110	-9303	Intergenic	NM_212909	zgc:77118	5.397175482	3.558527901	1.838647581	0.010711
peak_37180	chr12	48131615	48132665	-59920	Intergenic	NM_198072_1	mtr	4.585656064	2.74753407	1.838121994	0.010969
peak_30843	chr8	35606503	35607611	25954	Intergenic	NM_200894_15	zgc:77614	4.158322191	2.32041964	1.837902551	0.002523
peak_13314	chr19	18971316	18971876	-6664	Intergenic	NM_001044955	jazf1a	8.752450936	6.914740341	1.837710595	4.70E-07
peak_18297	chr7	38629419	38630118	-139669	Intergenic	NM_001146014	sall1a	7.664539406	5.826859924	1.837679483	1.61E-05
peak_17709	chr8	17921083	17921695	114457	intron (NM_130935, intron 6 of 6)	NM_130935	skia	7.331117371	5.493542841	1.83757453	1.13E-05
peak_37016	chr23	45554728	45555067	50645	Intergenic	NM_131669	atp1b2a	3.627276095	1.790139794	1.837136301	0.010592
peak_29646	chr3	24467072	24467436	-14194	Intergenic	NM_001003478	prr15la	6.384321184	4.547244096	1.837077089	0.001828
peak_27630	chr24	28659067	28659689	90058	intron (NM_001080203, intron 1 of 1)	NM_001080203	hs6st1b	7.163545752	5.326574874	1.836970879	0.000969
peak_30982	chr5	74746156	74746414	88533	Intergenic	NM_001003993	ak1	4.367064887	2.530363922	1.836700965	0.002607
peak_20940	chr8	50329847	50330495	273406	Intergenic	NM_001128254	mfn2	7.425406931	5.588862788	1.836544143	6.51E-05
peak_35334	chr17	41053750	41053977	-15698	Intergenic	NM_001013292	supt7l	4.000666855	2.164199981	1.836466874	0.007373
peak_23383	chr1	20381509	20382168	35849	Intergenic	NM_001037378	primpol	7.904446213	6.068002251	1.836443962	0.000197
peak_15712	chr15	28077997	28078931	-51926	Intergenic	NM_200018	blmh	9.375485217	7.539123296	1.83636192	3.08E-06
peak_35135	chr18	25882774	25883127	18410	exon (NM_199564, exon 8 of 8)	NM_199564	idh2	5.843758584	4.007398809	1.836359774	0.007089
peak_19749	chr8	37654873	37655330	-17068	Intergenic	NM_200094	sf3a1	6.677844647	4.841498792	1.836345855	3.55E-05
peak_36091	chr6	52052968	52053309	-110255	Intergenic	NM_001082798	ywhaba	3.457076769	1.620845997	1.836230772	0.008709
peak_35012	chr16	44248108	44248714	9072	intron (NM_001044756, intron 2 of 4)	NM_001044756	cmtm6	4.317074445	2.480927137	1.836147309	0.006898
peak_32335	chr25	16337255	16337607	41100	intron (NM_001002362, intron 3 of 6)	NM_001002362	ppfibp2b	5.511729373	3.67571977	1.836009603	0.003723
peak_16533	chr10	34031057	34031545	-95352	Intergenic	NM_001017871	myl10	7.075120758	5.239213114	1.835907644	5.36E-06
peak_32274	chr25	3769894	3770302	31711	exon (NM_001003994, exon 24 of 27)	NM_001003994	morc2	7.091684922	5.255989524	1.835695398	0.003666
peak_31502	chr15	7938663	7938914	162154	intron (NM_001113555, intron 1 of 9)	NM_001113555	cadm2b	4.916368853	3.080726959	1.835641894	0.002995
peak_33133	chr5	28318413	28318752	-12609	Intergenic	NM_001003781	tango2	6.283533241	4.447965861	1.83556738	0.004539
peak_43297	chr18	563129	563457	-43813	Intergenic	NM_001014356	fam219b	4.135913813	2.300427624	1.835486189	0.02997
peak_24738	chr4	4438276	4438968	-30722	Intergenic	NM_001130792	zgc:194209	8.280204902	6.444724291	1.835480612	0.00035
peak_35030	chr20	33720419	33720852	8726	intron (NM_001093747, intron 1 of 30)	NM_001093747	rock2b	6.370538899	4.535093406	1.835445493	0.006912
peak_14475	chr5	34230926	34231815	-108196	Intergenic	NM_212898	ntmt1	8.861881382	7.026452199	1.835429183	1.24E-06
peak_29270	chr24	4152122	4152373	74345	Intergenic	NM_201461	klf6a	5.772205487	3.937034292	1.835171195	0.001647
peak_38945	chr22	26179273	26179565	-5359	Intergenic	NM_001160365	LOC100301575	3.436916749	1.601791524	1.835125225	0.015118
peak_20571	chr21	23537432	23537751	275571	intron (NM_001113551, intron 2 of 11)	NM_001004630	sc5d	6.160782694	4.325828611	1.834954083	5.53E-05
peak_19998	chr24	28745999	28747216	2829	intron (NM_001080203, intron 1 of 1)	NM_001080203	hs6st1b	8.218435173	6.383717077	1.834718096	4.11E-05
peak_36038	chr20	45240750	45241018	537060	Intergenic	NM_001013534	zgc:103511	4.003411208	2.168709871	1.834701337	0.008583
peak_23605	chr4	18575981	18576580	52184	intron (NM_182865, intron 10 of 23)	NM_182865	snd1	7.423999335	5.58934129	1.834658045	0.000215
peak_22918	chr7	4990210	4990726	100425	Intergenic	NM_001100080	si:ch211-225k7.5	7.037054913	5.202400988	1.834653925	0.000163
peak_16131	chr20	13319480	13320153	1757	intron (NM_001030168, intron 1 of 24)	NM_001030168	enpp1	7.083917599	5.24940296	1.834514639	4.09E-06
peak_25563	chr4	15634903	15635176	-21807	Intergenic	NM_200020	btg1	5.645837784	3.811414072	1.834423711	0.000474
peak_17454	chr18	25808195	25808821	-23315	Intergenic	NM_199792	znf710a	8.062806322	6.228593582	1.83421274	9.46E-06
peak_17116	chr3	25454324	25455150	16087	intron (NM_001114426, intron 1 of 19)	NM_001114426	smurf2	8.479134501	6.645011371	1.83412313	7.59E-06
peak_34770	chr7	44671229	44671589	-24893	Intergenic	NM_213493	dnaja2	6.36386504	4.529799038	1.834066002	0.006516
peak_36729	chr5	25928025	25928464	13627	3' UTR (NM_201135, exon 15 of 15)	NM_201135	atp6v1aa	6.03871828	4.204951024	1.833767256	0.009968
peak_18324	chr17	25048012	25048633	32495	Intergenic	NM_001114588	cln8	8.120967843	6.287230209	1.833737634	1.64E-05
peak_31912	chr6	1456420	1456791	33730	Intergenic	NM_213183	orc4	5.60025883	3.766809269	1.833449561	0.003357
peak_29050	chr19	19423611	19423913	35179	Intergenic	NM_131065	nr1d2b	6.399291221	4.565867592	1.833423629	0.001534
peak_16606	chr9	54611774	54612260	133703	intron (NM_001288817, intron 9 of 31)	NM_001288817	trpm2	7.56982917	5.736575195	1.833253975	5.62E-06
peak_30325	chr15	3723467	3723795	25573	Intergenic	NM_001080055	lpar6a	6.247730865	4.414519137	1.833211728	0.00221
peak_37070	chr11	46070882	46071688	-12596	intron (NM_001077304, intron 3 of 11)	NM_001080642	zgc:158357	7.124911193	5.291947554	1.832963639	0.01071
peak_34032	chr16	30795131	30795500	-11276	Intergenic	NM_001199754	nmt2	4.593873361	2.761280056	1.832593305	0.005557
peak_27469	chr5	7759855	7760195	-60137	Intergenic	NM_001014306	lifra	6.067928669	4.235465345	1.832463323	0.000915
peak_43709	chr5	19373437	19373800	-185369	Intergenic	NM_001100015	chfr	5.17667448	3.344831934	1.831842546	0.031792
peak_25293	chr17	6755303	6755673	34612	Intergenic	NM_001287088	zgc:172341	6.011973695	4.180133956	1.831839739	0.000431
peak_21391	chr2	46168061	46168908	-6348	Intergenic	NM_201020	gpc1b	8.347377684	6.515662924	1.83171476	8.13E-05
peak_35416	chr19	38100187	38100749	-566976	Intergenic	NM_001007288	cx30.9	5.741207085	3.909591676	1.831615408	0.007527
peak_39036	chr7	77184003	77184393	-82769	Intergenic	NM_001004655	rs1b	4.928693146	3.097194016	1.83149913	0.015361
peak_36745	chr9	57337255	57338321	-50621	Intergenic	NM_001166337	nlgn4b	3.457076769	1.625584991	1.831491778	0.009993
peak_21722	chr10	40985002	40985388	-272255	Intergenic	NM_200744	smfn	6.267020029	4.435980802	1.831039227	9.48E-05
peak_20279	chr5	35422852	35423209	20333	intron (NM_001122857, intron 1 of 15)	NM_001122857	dab2ipb	6.937888686	5.107386656	1.83050203	4.78E-05
peak_25117	chr16	3288450	3288897	-34360	Intergenic	NM_001109728	LOC797125	6.373989101	4.54356126	1.830427841	0.000405

peak_31461	chr18	3868683	3869013	440153	Intergenic	NM_200555	pdcd10a	5.951337652	4.121189852	1.830147801	0.002963
peak_39556	chr20	3882494	3883481	-49215	Intergenic	NM_001130794	zgc:194224	4.124614504	2.294488138	1.830126366	0.016779
peak_28721	chr21	43262930	43263211	4855	intron (NM_200581, intron 1 of 5)	NM_200581	ammecr1	5.954531943	4.124755003	1.82977694	0.001377
peak_36878	chr19	27300043	27300380	9101	intron (NM_001044909, intron 4 of 5)	NM_001044909	neu1	3.798584256	1.968954665	1.829629591	0.010306
peak_32341	chr15	13964003	13965364	-22666	Intergenic	NM_001089327	zgc:162193	7.979844967	6.150282718	1.829562249	0.00373
peak_33658	chr7	60467120	60467637	-87659	Intergenic	NM_200449	etnppl	5.381935135	3.552509493	1.829425642	0.005103
peak_33991	chr18	49764163	49764820	-10869	Intergenic	NM_001246276_1	reln	5.346646764	3.51726065	1.829386114	0.005512
peak_27998	chr19	33763216	33764121	-68770	Intergenic	NM_001044826	atxn1a	7.376902072	5.547774546	1.829127527	0.001102
peak_38515	chr5	45755946	45756361	-209171	Intergenic	NM_001005932	tars	2.883141315	1.054120914	1.829020401	0.014021
peak_27059	chr18	38200804	38201222	114067	Intergenic	NM_001080165	gldn	5.874526102	4.045518306	1.829007797	0.000792
peak_31584	chr1	43310680	43311063	648635	intron (NM_001159372, intron 7 of 15)	NM_001159372	ctnna2	6.413561705	4.58468375	1.828877955	0.00307
peak_23262	chr21	15535978	15536394	599	exon (NM_001002114, exon 2 of 7)	NM_001002114	arpc3	6.193965621	4.365100162	1.828865459	0.000187
peak_24437	chr5	35492344	35492642	-49130	Intergenic	NM_001122857	dab2ipb	5.875649898	4.047015297	1.828634601	0.000309
peak_15650	chr5	17785333	17785899	-62938	Intergenic	NM_131874	xbp1	9.842567356	8.014203749	1.828363607	2.92E-06
peak_40065	chr9	1216470	1216990	-137715	Intergenic	NM_001089361	prkra	7.090090964	5.261823504	1.828267459	0.018204
peak_15522	chr7	38760843	38761556	-8238	Intergenic	NM_001146014	sall1a	8.018890842	6.190893503	1.827997339	2.67E-06
peak_39591	chr17	53864418	53864909	-12303	Intergenic	NM_001040309	ttc8	5.556412231	3.729070177	1.827342053	0.016854
peak_23589	chr22	40536915	40537228	14004	exon (NM_201301, exon 13 of 16)	NM_201301	fxr1	6.101050407	4.273785416	1.827264991	0.000214
peak_31532	chr11	497640	497929	4573	intron (NM_001199755, intron 1 of 16)	NM_001199755	raf1b	6.112871299	4.285613231	1.827258068	0.003025
peak_26162	chr12	28006757	28007238	-138	promoter-TSS (NM_001082948)	NM_001082948	itgb3b	6.110327639	4.283148675	1.827178964	0.000582
peak_38072	chr24	3446715	3446914	-26429	Intergenic	NM_001033726	zgc:113390	5.24745839	3.4203864	1.827071991	0.012935
peak_16240	chr7	56737405	56738035	65271	Intergenic	NM_200668	aprt	8.078224875	6.251158582	1.827066294	4.38E-06
peak_16644	chr6	40027384	40028211	1588	intron (NM_001002389, intron 1 of 4)	NM_001002389	zgc:92046	8.82265705	6.995597633	1.827059417	5.73E-06
peak_35879	chr15	3359168	3359527	2606	intron (NM_001098750, intron 1 of 6)	NM_001098750	stoml3a	5.968313206	4.141264001	1.827049204	0.008328
peak_14185	chr7	40403113	40404446	113706	Intergenic	NM_001243038	creb3l1	10.21479085	8.388022859	1.826767988	9.77E-07
peak_36473	chr12	18616592	18616903	53760	Intergenic	NM_001077567	eif2ak1	4.291414275	2.464667011	1.826747264	0.009491
peak_24912	chr20	14792308	14792666	74	promoter-TSS (NR_030743)	NR_030743		6.308761966	4.482069932	1.826692034	0.000375
peak_21732	chr21	2116284	2116745	7491	intron (NM_001113432, intron 1 of 3)	NM_001113432	st8sia3	7.056393025	5.229862378	1.826530647	9.55E-05
peak_13015	chr21	18959062	18959764	-11020	Intergenic	NM_201171	dusp4	8.960850114	7.134319892	1.826530222	3.58E-07
peak_37927	chr23	7730	7967	102175	Intergenic	NM_130985	twist3	4.511275524	2.684817987	1.826457537	0.012569
peak_12995	chr24	32877540	32878289	286303	Intergenic	NM_001002229	snx7	8.611220605	6.784954285	1.82626632	3.50E-07
peak_17105	chr20	19855611	19856013	75281	Intergenic	NM_212570	ptk2bb	7.400447697	5.574386021	1.826061676	7.54E-06
peak_30976	chr6	42681994	42682324	-69535	Intergenic	NM_001014822	sema3fa	5.944886133	4.118946067	1.825940066	0.002604
peak_26010	chr20	12431383	12431896	623405	Intergenic	NM_173267	ints7	6.172753474	4.346867589	1.825885885	0.000551
peak_38818	chr17	10130305	10130902	-30892	Intergenic	NM_131432	tyro3	6.491548267	4.665665773	1.825882495	0.014808
peak_28587	chr19	45356242	45356530	-3292	Intergenic	NM_213455	zgc:55573	5.33794409	3.512095741	1.825848349	0.001325
peak_13717	chr17	38277444	38278326	80040	intron (NM_001076632, intron 2 of 10)	NM_001076632	slc25a21	9.593106636	7.767262244	1.825844392	6.63E-07
peak_23663	chr13	2858452	2859339	-14420	Intergenic	NM_001161598	si:ch211-239i4.3	8.236021166	6.410246737	1.825774429	0.000221
peak_34233	chr9	4769364	4769742	88442	Intergenic	NM_198356	prpf40a	6.098164904	4.272507724	1.82565718	0.005818
peak_19203	chr15	43294824	43295362	52219	Intergenic	NM_001033729	aasdhppt	7.391286592	5.565721027	1.825565565	2.64E-05
peak_35961	chr21	14576008	14576283	-153677	Intergenic	NM_131840	tnfrsfa	5.57318781	3.747698216	1.825489593	0.008463
peak_28014	chr18	27089891	27090220	44186	intron (NM_001136243, intron 3 of 26)	NM_001136243	plekha7a	6.144695774	4.319265737	1.825430037	0.001109
peak_25664	chr17	25186856	25187232	-14706	intron (NM_001040328, intron 9 of 13)	NM_001001596	lck	6.08879003	4.263557113	1.825232917	0.000489
peak_20460	chr5	52712565	52713001	-14	promoter-TSS (NM_201583)	NM_201583	gcnt4a	7.219468222	5.394413662	1.82505456	5.20E-05
peak_32313	chr21	14938467	14939348	-516439	Intergenic	NM_131840	tnfrsfa	7.470213182	5.645159771	1.825053411	0.003701
peak_24464	chr15	32613737	32614106	189670	Intergenic	NM_152974	mab21l1	6.341201883	4.516246623	1.82495526	0.000311
peak_23195	chr8	52347846	52348438	35642	Intergenic	NM_001083854	ido1	7.260017011	5.435472682	1.824544329	0.000183
peak_29842	chr23	10160513	10160844	-92753	Intergenic	NM_001111167	zgc:171775	5.776222767	3.951833354	1.824389413	0.001936
peak_25848	chr2	42084485	42084890	-40924	Intergenic	NM_001113508	ebi3	6.448780185	4.624743359	1.824036826	0.000521
peak_28954	chr14	11067762	11068073	-85071	Intergenic	NM_001077781	zdhhc15b	5.849511766	4.025519632	1.823992134	0.00149
peak_39548	chr3	43321324	43321702	-80594	Intergenic	NM_200517	zfand2a	6.43156287	4.607724309	1.823838561	0.016762
peak_19276	chr18	37400895	37401305	78502	Intergenic	NM_200630	arpp19a	7.054886344	5.23110825	1.823778094	2.74E-05
peak_35462	chr23	31452881	31453348	-30860	Intergenic	NM_001020771	irak1bp1	6.711873669	4.888197698	1.823675971	0.007585
peak_15591	chr7	53989333	53990785	23499	intron (NM_214816, intron 6 of 12)	NM_214816	tcf12	9.491612914	7.668073281	1.823539634	2.78E-06
peak_15322	chr8	1467738	1468671	8387	exon (NM_131026_1, exon 2 of 5)	NM_131026_1	efna5b	9.363521579	7.540614867	1.822906712	2.31E-06
peak_25552	chr11	20541853	20542088	-25680	Intergenic	NM_001075104	ogfrl2	5.117628607	3.294770509	1.822858098	0.000472
peak_39385	chr8	3117116	3117615	125478	Intergenic	NM_001045162	crb2b	6.383252669	4.560406921	1.822845748	0.016283
peak_13749	chr18	48881787	48883126	54906	intron (NM_001045317, intron 1 of 4)	NM_001045317	mob2b	9.596212759	7.77349486	1.822717899	6.81E-07
peak_24408	chr25	34645730	34646090	189618	Intergenic	NM_001172680	zgc:136826	6.427436994	4.604974929	1.822462065	0.000305
peak_28162	chr20	23531415	23532018	-49508	Intergenic	NM_001008589	anapc4	7.646173485	5.823732828	1.822440656	0.001162
peak_18566	chr8	44553371	44553933	111233	Intergenic	NM_001123319	kazald3	8.283956532	6.461661252	1.822295281	1.84E-05
peak_23827	chr13	4223599	4224008	63987	intron (NM_201102, intron 3 of 22)	NM_201102	pde10a	6.851405893	5.02934866	1.822057233	0.000239
peak_35749	chr15	16696004	16696452	-141808	Intergenic	NM_001020720	zgc:113279	4.133410493	2.311660225	1.821750267	0.008126
peak_28036	chr16	3344319	3344737	66957	Intergenic	NM_194385	tgfb2	6.481481062	4.659962262	1.8215188	0.001116
peak_38903	chr23	13070780	13071227	-45882	Intergenic	NM_001282089	ndnl2	4.876376775	3.054972615	1.82140416	0.014984
peak_20829	chr20	1773790	1774235	4989	intron (NM_001278799, intron 1 of 49)	NM_001278799	lama2	7.473324035	5.651994125	1.82132991	6.20E-05
peak_33216	chr6	15952392	15952672	3544	TTS (NM_152964)	NM_152964	gbx2	5.61336857	3.792331349	1.821037221	0.004614
peak_41926	chr5	55136015	55136322	17038	intron (NM_001020519, intron 6 of 10)	NM_131513	ccnb1	3.815860363	1.994825282	1.821035081	0.024419
peak_17711	chr9	1587498	1587974	41576	intron (NM_200113, intron 17 of 19)	NM_200113	agps	7.672561334	5.851555793	1.821005541	1.13E-05
peak_31683	chr24	7828982	7829295	-16406	Intergenic	NM_001020546	syt5b	5.850655209	4.029784633	1.820870576	0.003155
peak_16772	chr19	44778477	44778806	-47467	Intergenic	NM_213339	ppt1	7.143434108	5.322639971	1.820794137	6.22E-06
peak_17668	chr10	1133035	1134420	57176	intron (NM_001114924_1, intron 4 of 4)	NM_001114924_1	bmpr1bb	9.260152074	7.439575463	1.820576611	1.10E-05
peak_28297	chr12	50524947	50525583	-38742	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	7.938621476	6.118087958	1.820533518	0.001208
peak_14040	chr19	36869227	36870350	40116	Intergenic	NM_001020633	ndufs5	9.54615771	7.725689049	1.820468661	8.76E-07
peak_24145	chr4	60786450	60787237	-8001	Intergenic	NM_001102638	ms4a17a.4	6.901312156	5.080905055	1.820407101	0.000274
peak_40154	chr25	38048226	38048703	49597	intron (NM_200913, intron 5 of 8)	NM_200913	wwox	3.892054049	2.071799355	1.820254694	0.018475
peak_28191	chr14	14462211	14462721	-4934	intron (NM_213069, intron 19 of 19)	NM_001037406	zgc:123335	6.019150059	4.198915013	1.820235046	0.001173
peak_41634	chr20	17326369	17326899	-379573	Intergenic	NM_001002589	zgc:92716	5.488843748	3.668794316	1.820049432	0.023409
peak_26725	chr3	4137435	4137736	-6034	Intergenic	NM_001077336	pick1	5.27216622	3.452182242	1.819983977	0.000707
peak_29875	chr22	34549536	34550593	-234229	Intergenic	NM_001037661_1	slc6a6b	6.18124398	4.361281685	1.819962295	0.001956
peak_40425	chr12	48502659	48502930	-51466	Intergenic	NM_130934	hhex	5.44046515	3.6206702	1.819794951	0.019328
peak_21582	chr13	41411103	41411863	-15590	Intergenic	NM_201030	prkg1a	8.204841537	6.385100461	1.819741076	8.92E-05
peak_36447	chr5	21491511	21491869	-3649	Intergenic	NM_001126454	fam222a	6.701324025	4.881631634	1.819692392	0.009436
peak_19004	chr21	6153522	6154046	96466	Intergenic	NM_212591	cdk9	7.185505815	5.365853339	1.819652476	2.38E-05
peak_39696	chr18	10504166	10505195	-61234	Intergenic	NM_001045135	si:ch211-59c24.1	7.1750285	5.355389404	1.819639095	0.017134
peak_18806	chr11	27513420	27514182	-3486	Intergenic	NM_001004017	st3gal2l	8.328372027	6.508780505	1.819591522	2.13E-05
peak_25373	chr3	50536531	50537396	71100	Intergenic	NM_001077292	samd1a	7.250782451	5.431399267	1.819383184	0.000444
peak_32945	chr17	12504409	12504871	-17207	Intergenic	NM_001003633	zgc:100927	6.205350007	4.386217948	1.81913206	0.004344
peak_21062	chr12	25319492	25320022	84785	exon (NM_001035261, exon 13 of 38)	NM_001035261	svila	7.677105396	5.85804932	1.819056076	6.91E-05
peak_21528	chr20	39841984	39842424	-27459	Intergenic	NM_001082853	rnf217	6.8582772	5.03933627	1.818940929	8.66E-05
peak_25678	chr9	27262199	27262717	125299	Intergenic	NM_131023	efnb2a	7.740807994	5.922103632	1.818704361	0.000491
peak_43177	chr15	5923270	5924055	105966	Intergenic	NM_001003524	sh3bgr	5.850296394	4.031771524	1.81852487	0.029429
peak_18463	chr11	35356888	35357660	52455	Intergenic	NM_001037377	pfkfb4	7.763494852	5.945259521	1.818235331	1.75E-05
peak_29027	chr8	25638702	25639771	38428	Intergenic	NM_001080599	slc16a4	7.468476281	5.650334757	1.818141524	0.001522
peak_20143	chr7	17567029	17567731	-229955	Intergenic	NM_001006026	csrp3	7.7403848	5.922253729	1.818131071	4.46E-05
peak_33154	chr22	5807	6168	18903	Intergenic	NM_001080577	celsr2	4.872629271	3.05450077	1.818128501	0.00456
peak_41459	chr22	27499507	27499819	-12379	Intergenic	NM_001103139	hmox2a	6.108735571	4.290624048	1.818111522	0.022806
peak_34372	chr21	43791951	43792655	-98758	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	5.879389575	4.061497931	1.817891644	0.006009
peak_38615	chr17	41122064	41122508	-84121	Intergenic	NM_001013292	supt7l	4.707078536	2.889528612	1.817549924	0.014253
peak_39623	chr2	45504143	45504496	61665	Intergenic	NM_200438	gpsm2	6.164159047	4.346746689	1.817412359	0.016937
peak_29888	chr19	26305748	26306030	-47381	Intergenic	NM_212563	pard6gb	5.888347099	4.071089186	1.817257913	0.001962
peak_30454	chr9	48355247	48355579	-464300	Intergenic	NM_001126463	igfbp5a	5.892445813	4.075238313	1.8172075	0.002285
peak_25779	chr8	6461343	6461873	521462	Intergenic	NM_001082937	or129-1	7.84636819	6.029228568	1.817139621	0.00051
peak_18330	chr15	41880066	41881121	-6438	Intergenic	NM_001017720_1	ap1s3a	6.91508355	5.098115403	1.816968147	1.64E-05
peak_20769	chr12	4684583	4685107	-26024	Intergenic	NM_001111168	ppp4cb	8.713035914	6.896748161	1.816287753	6.03E-05

peak_26450	chr10	29319100	29319874	198064	Intergenic	NM_131000	alcama	6.796759519	4.980629026	1.816130493	0.00064
peak_38914	chr2	12571567	12572052	-146648	Intergenic	NM_001115122	dpp6	5.348266783	3.532272147	1.815994637	0.015025
peak_17973	chr22	11269082	11270193	15334	intron (NM_205626, intron 4 of 12)	NM_205626	bcor	8.947709626	7.131736921	1.815972705	1.35E-05
peak_32105	chr23	1998432	1999122	60345	intron (NM_001002301, intron 12 of 15)	NM_001002301	prdm5	5.853722147	4.037947248	1.815774899	0.003509
peak_42177	chr23	26052565	26052821	32745	intron (NM_001003541, intron 13 of 13)	NM_001020498	fitm2	5.243333623	1.427629337	1.815704285	0.025262
peak_41248	chr7	37933893	37934355	-86797	Intergenic	NR_036681		7.150578881	5.335054573	1.815524308	0.022171
peak_21208	chr18	4768557	4770881	40440	Intergenic	NM_001006005	dut	9.253961139	7.438446961	1.815514178	7.43E-05
peak_38154	chr2	43511027	43511352	-59170	Intergenic	NM_205674	nrp1b	6.034679932	4.219555754	1.815124178	0.013145
peak_34144	chr24	4764762	4765073	80487	Intergenic	NM_001110021	cpb1	6.130570748	4.31572218	1.814848568	0.005695
peak_33269	chr24	11747377	11747733	66471	Intergenic	NM_198820	fen1	4.056062627	2.241450252	1.814612375	0.004667
peak_25477	chr2	21522101	21522504	91651	intron (NM_001080042, intron 3 of 3)	NM_001080042	zgc:158346	6.982669744	5.168077418	1.814592326	0.000461
peak_40706	chr4	20495927	20496231	23587	intron (NM_001003870, intron 1 of 25)	NM_001003870	ppp1r12a	5.961252308	4.146833075	1.814419233	0.020241
peak_29367	chr9	15279249	15279713	421390	Intergenic	NM_131520	fn1a	7.252802049	5.438398315	1.814403734	0.001691
peak_33314	chr23	44711700	44712123	-15977	Intergenic	NM_214723	eno3	7.017953176	5.203579111	1.814374065	0.004713
peak_14496	chr9	29191121	29192171	53469	Intergenic	NM_201499	idh1	9.332175163	7.517944768	1.814230395	1.26E-06
peak_39610	chr15	19274149	19274884	-39253	Intergenic	NM_001009558	il15l	6.120159438	4.306061399	1.81409804	0.016897
peak_30356	chr3	28772667	28773667	43243	Intergenic	NM_001201336	fbxl16	7.235364725	5.421535094	1.813829631	0.002227
peak_23181	chr7	71203271	71204531	130057	intron (NM_001128544, intron 21 of 24)	NM_001100955	olfcs2	6.367331221	4.55359607	1.813735151	0.000182
peak_24068	chr3	31262413	31263053	4333	intron (NM_201112, intron 3 of 6)	NM_201112	arl6ip1	7.242368354	5.42865734	1.813711014	0.000265
peak_43633	chr12	37065346	37065623	-15342	Intergenic	NM_213304	socs3b	5.862062122	4.048498076	1.813564046	0.031383
peak_34565	chr8	54052106	54052474	-20590	Intergenic	NM_131058	tbx16	5.390901295	3.577466166	1.813435129	0.006279
peak_34978	chr5	24874084	24874395	-37136	Intergenic	NM_001013350	agtr2	5.603879949	3.790639859	1.81324009	0.006829
peak_19616	chr23	8894257	8895256	-54803	Intergenic	NM_200986	tcea2	9.49093729	7.677760101	1.813177189	3.31E-05
peak_16077	chr7	2765322	2765766	-86654	Intergenic	NM_001114719	zgc:172065	7.277302387	5.46416104	1.813141347	3.95E-06
peak_15471	chr8	3675647	3676654	-43180	Intergenic	NM_001017772	zgc:112433	8.490631704	6.677495402	1.813136302	2.55E-06
peak_14478	chr4	60617396	60618244	98	promoter-TSS (NM_001017670)	NM_001017670	ms4a17a.11	9.102441666	7.289448143	1.812993524	1.24E-06
peak_23210	chr21	8485733	8486094	180523	Intergenic	NM_001076741	esm1	7.301524835	5.488602793	1.812922042	0.000184
peak_19842	chr11	35062384	35063125	20373	Intergenic	NM_001045355	tmem44	7.83319237	6.020341458	1.812850912	3.76E-05
peak_34314	chr1	47356174	47356478	16242	intron (NM_213425, intron 1 of 9)	NM_213425	agpat3	5.211610793	3.398774703	1.81283609	0.005925
peak_29456	chr23	42974450	42974766	5763	intron (NM_001109722, intron 8 of 10)	NM_001109722	cyp2aa7	6.342843827	4.53006162	1.812782207	0.001735
peak_16331	chr23	41194318	41194853	-25175	Intergenic	NM_001139458	si:dkey-194e6.1	7.689419092	5.876681802	1.812737291	4.68E-06
peak_39200	chr16	27226651	27227007	-42211	Intergenic	NM_001164030	has1	5.34607482	3.533533431	1.812541388	0.015818
peak_26701	chr1	31392656	31393123	-4100	Intergenic	NM_131358	kal1a	6.618760886	4.806242746	1.812518141	0.0007
peak_19599	chr23	7439892	7440378	-13230	Intergenic	NM_131235	gata5	6.454837402	4.642388722	1.81244868	3.28E-05
peak_25495	chr9	42946480	42946789	-40868	Intergenic	NM_001039630	col18a1	5.747792413	3.935562756	1.812229657	0.000463
peak_36630	chr21	19777426	19777865	-391	promoter-TSS (NM_001145766)	NM_001145766	htr1ab	6.595465748	4.783272997	1.812192751	0.009797
peak_16964	chr16	52256546	52256923	209106	Intergenic	NM_001110524	brd2b	7.196374874	5.384560961	1.811813912	6.90E-06
peak_31054	chr3	37006683	37007084	70486	Intergenic	NM_200908	tubg1	6.66769118	4.855885841	1.811805339	0.002654
peak_38275	chr4	36818370	36818734	-1254691	Intergenic	NM_001135989_1	zgc:174690	3.481017596	1.669236031	1.811781564	0.01345
peak_14645	chr23	13856426	13857665	95349	Intergenic	NM_213334	naa10	9.862521945	8.050887705	1.81163424	1.40E-06
peak_16243	chr16	105701	108307	-45388	Intergenic	NM_200627_1	cdkal1	9.647112482	7.835520876	1.811591606	4.39E-06
peak_29487	chr5	75568716	75569521	-3080	Intergenic	NM_205634	zgc:77391	6.125226196	4.314065179	1.811161016	0.001748
peak_37401	chr13	27274544	27274907	9946	Intergenic	NM_001145687	soul2	6.019847667	4.208830125	1.811017541	0.011438
peak_27572	chr18	43451941	43452454	-99768	Intergenic	NM_001025169	pex16	6.399276025	4.588391461	1.810884564	0.000949
peak_43429	chr9	53590150	53590738	351167	Intergenic	NM_001030165	Mar-04	6.014716482	4.203913504	1.810802978	0.030535
peak_28738	chr20	2345006	2346047	86159	Intergenic	NM_001044800	tmem200a	7.03165844	5.221001248	1.810657191	0.001388
peak_13106	chr17	12498361	12499131	-23101	Intergenic	NM_001003633	zgc:100927	9.539477208	7.729110193	1.810367015	3.91E-07
peak_39183	chr20	3123118	3123515	-3503	Intergenic	NM_001161750	map3k5	4.768153455	2.957859028	1.810294427	0.015784
peak_33715	chr20	4869775	4870101	-34949	exon (NM_001045187, exon 10 of 10)	NM_001005921	galca	5.560172133	3.750141592	1.810030541	0.005169
peak_22462	chr11	4138713	4139515	-53065	Intergenic	NM_201012	nek4	8.648872712	6.8388569	1.810015812	0.000133
peak_23080	chr1	27884611	27884978	-3818	Intergenic	NM_213047	pwp2h	5.783425802	3.97353848	1.809887322	0.000175
peak_17085	chr11	43253056	43253982	-149933	Intergenic	NM_001105592	her15.2	9.338893059	7.529007849	1.80988521	7.40E-06
peak_40777	chr13	46286635	46287517	-48085	Intergenic	NM_001080635_1	ldlrap1b	6.801520715	4.991667338	1.809853377	0.020508
peak_37756	chr9	54141890	54142217	-3423	Intergenic	NM_131573_1	dap1b	2.883141315	1.073292992	1.809848323	0.012174
peak_29282	chr12	33322744	33323255	19383	Intergenic	NM_212770	cpn1	6.863784128	5.053973885	1.809810243	0.001654
peak_30310	chr7	643333	644531	-33796	Intergenic	NM_001001839	rela	7.289604978	5.480284953	1.809320025	0.002199
peak_23244	chr1	56757682	56758021	12777	Intergenic	NM_199975	zgc:65894	6.089435934	4.280203941	1.809231994	0.000186
peak_39211	chr18	8763044	8763509	-73720	Intergenic	NM_131061	sema3ab	7.199686494	5.39053207	1.809154424	0.015854
peak_26147	chr9	11683297	11683705	27410	intron (NM_130980, intron 3 of 3)	NM_130980	wnt10a	6.440197212	4.631141799	1.809055413	0.000579
peak_42184	chr3	32654400	32654957	-14943	intron (NM_001288815, intron 26 of 27)	NM_001007434	nosip	5.4695931	3.66059451	1.80899859	0.025273
peak_19370	chr3	12908879	12909339	41225	intron (NM_001030236_1, intron 1 of 4)	NM_001030236_1	coro7	6.448543158	4.63976438	1.808778778	2.88E-05
peak_30464	chr8	26352774	26353177	-77846	Intergenic	NM_001114907	kcnq2a	6.177942853	4.369228188	1.808714665	0.002292
peak_21663	chr11	306151	306819	-10401	intron (NM_001005952, intron 4 of 5)	NM_213049_1	poc1a	6.967083629	5.15860379	1.808479838	9.24E-05
peak_20928	chr14	38874200	38875061	667731	Intergenic	NM_001048055	lect2l	7.642767124	5.834543599	1.808223525	6.48E-05
peak_37990	chr21	22570309	22570623	15023	intron (NM_199635, intron 2 of 4)	NM_199635	zbtb16a	5.938426549	4.130433932	1.807992617	0.012725
peak_27277	chr18	18849308	18849681	26358	exon (NM_001080989, exon 17 of 28)	NM_001080989	dennd4a	6.194265903	4.386390356	1.807875546	0.000855
peak_34275	chr2	17793368	17794166	-193986	Intergenic	NM_001083576	ptprfb	3.884630599	2.076830712	1.807799887	0.00587
peak_43815	chr18	36736726	36737030	10609	Intergenic	NM_131111	lmo2	3.481017596	1.673255946	1.80776165	0.032226
peak_22036	chr11	36572435	36572977	31340	Intergenic	NM_212679	bhlhe40	9.044490312	7.2370002	1.807490112	0.000111
peak_23499	chr17	48976888	48977354	-16474	Intergenic	NM_001077431	kif6	6.143123056	4.335838106	1.807284951	0.000207
peak_35850	chr3	42177900	42178321	8094	Intergenic	NR_120359_1		6.011292154	4.204035431	1.807256723	0.008298
peak_22220	chr16	55817714	55818139	-132690	Intergenic	NM_001197202	ifnlr1	6.895957662	5.088916625	1.807041037	0.00012
peak_21843	chr21	17879048	17879480	1908	intron (NM_212760, intron 3 of 5)	NM_212760	rpl17	6.234325964	4.42740785	1.806918114	0.000101
peak_27195	chr18	43120334	43120658	29845	Intergenic	NM_199766	napab	5.571339455	3.764605831	1.806733624	0.000831
peak_36244	chr8	45601472	45602436	15258	intron (NM_001007032, intron 1 of 44)	NM_001007032	ncor2	7.53532468	5.728797492	1.806527188	0.009012
peak_20519	chr8	52186712	52187131	10816	intron (NM_001024445, intron 3 of 25)	NM_001024445	agtpbp1	6.592038041	4.785555551	1.80648249	5.35E-05
peak_28560	chr5	830600	830998	-9442	intron (NM_001002385, intron 10 of 16)	NM_131461	tek	5.407602421	3.601311658	1.806290763	0.001315
peak_14149	chr23	46373642	46374679	566	exon (NM_001089340, exon 3 of 3)	NM_001089340		8.702389242	6.896102217	1.806287025	9.49E-07
peak_17829	chr23	32677726	32678462	46973	Intergenic	NM_200286	taf8	7.867648786	6.061379281	1.806269505	1.23E-05
peak_25430	chr25	7758518	7758780	41393	Intergenic	NM_001177312	ifitm5	5.827567192	4.021340376	1.806226817	0.000453
peak_26839	chr6	30265788	30266176	82485	exon (NM_001110470, exon 11 of 23)	NM_001110470	wwc3	5.965853003	4.159637637	1.806215366	0.000738
peak_32528	chr9	31946067	31946390	22371	intron (NM_001080673, intron 1 of 10)	NM_001080673	dachd	5.653308962	3.847227422	1.80608154	0.003921
peak_41608	chr7	30068876	30069679	8074	intron (NM_205552, intron 1 of 8)	NM_205552	ccdc102a	7.620772933	5.815287616	1.805485317	0.023327
peak_18539	chr9	34980759	34981272	-79445	Intergenic	NM_001007198	ccdc80	8.064217826	6.258738429	1.805479396	1.82E-05
peak_42692	chr4	38140294	38141158	43747	Intergenic	NM_001114900	zgc:174708	3.800163388	1.994825282	1.805338106	0.027256
peak_13595	chr7	48205499	48206285	184933	Intergenic	NM_001195407	tshz3b	8.757805706	6.952563071	1.805242635	6.00E-07
peak_14992	chr9	41967597	41968299	20684	intron (NM_001014316, intron 7 of 13)	NM_001014316	hibch	8.963816135	7.158608281	1.805207854	1.78E-06
peak_23342	chr24	26666317	26666678	-81054	Intergenic	NM_200440	klhl24b	6.122388691	4.317329065	1.805059625	0.000193
peak_22024	chr16	21928455	21928947	49311	Intergenic	NM_200816	hdac9b	6.985795484	5.180738422	1.805057061	0.00011
peak_22588	chr2	40923305	40923751	32064	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	7.124290174	5.319624165	1.804666009	0.000141
peak_32145	chr12	50019644	50019999	15295	intron (NM_001109719_1, intron 3 of 5)	NM_001109719_1	zgc:171629	6.285805801	4.481276521	1.80452928	0.003536
peak_17470	chr1	26883330	26883839	46153	Intergenic	NM_001077787	dnajb14	7.295363202	5.490856171	1.804507032	9.56E-06
peak_35260	chr12	25399645	25401614	-101115	Intergenic	NM_001191020	psme4b	3.632603848	1.82810074	1.804503108	0.007276
peak_39192	chr23	30497989	30498584	210858	Intergenic	NM_212848	uts2a	6.495953894	4.69177391	1.804179983	0.015796
peak_32392	chr2	39655961	39656339	183988	Intergenic	NM_001005919	epha4a	6.10167217	4.297576084	1.804096085	0.003778
peak_19855	chr10	2359152	2359570	-249556	Intergenic	NM_001008630	nxnl2	6.772193753	4.968355945	1.803837808	3.77E-05
peak_23202	chr17	8868996	8869713	-47569	Intergenic	NM_001077768	zranb1b	8.164623318	6.360972732	1.803650585	0.000184
peak_29029	chr24	31305845	31306501	-15453	Intergenic	NM_001006092	alg14	7.909860774	6.106296869	1.803563905	0.001524
peak_39711	chr5	13671620	13671964	-46010	intron (NM_001144041, intron 3 of 19)	NM_001111087	zgc:171242	4.979178573	3.175719872	1.803458701	0.017166
peak_20319	chr5	73186370	73186984	-26911	Intergenic	NM_001003629	rgs3a	8.229128855	6.425689565	1.803439289	4.87E-05
peak_21503	chr6	53705677	53706143	114504	intron (NM_001013503, intron 3 of 14)	NM_001013503	cacna2d2	7.544449325	5.741556939	1.802892385	8.55E-05
peak_33369	chr11	13977669	13977915	150096	Intergenic	NM_001005206	wdr18	5.13403673	3.331294116	1.802742614	0.004784
peak_24321	chr16	47836556	47837011	67	promoter-TSS (NM_001078168)	NM_001078168	sult2st3	6.318193097	4.515539021	1.802654076	0.000295
peak_19784	chr18	3805062	3805376	503782	Intergenic	NM_200555	pdcd10a	6.155222654	4.352651123	1.802571531	3.61E-05
peak_32629	chr6	2131815	2132169	67571	intron (NM_001083853, intron 2 of 9)	NM_001083853	pbx1b	5.993417858	4.19084971	1.802568148	0.004008

peak_31621	chr6	58291117	58291590	-134026	Intergenic	NM_001013289	arfrp1	5.709577005	3.907101864	1.802475141	0.003097
peak_30908	chr3	21465808	21466233	27209	intron (NM_001006067, intron 3 of 3)	NM_001077456	zgc:153968	6.361193069	4.559000423	1.802192646	0.002558
peak_24369	chr7	13068636	13069467	-120947	Intergenic	NM_001037578	fam154b	7.89104099	6.089015743	1.802025247	0.000301
peak_36469	chr7	53661356	53661698	47373	intron (NM_213018, intron 17 of 19)	NM_213018	katnb1	3.681503107	1.879609235	1.801893872	0.009479
peak_28398	chr2	27679087	27679474	40009	exon (NM_001144819, exon 5 of 14)	NM_001144819	zswim5	5.863972888	4.062228145	1.801744743	0.001247
peak_39462	chr4	10913641	10914010	26630	exon (NM_001045002, exon 2 of 16)	NM_001045002	btbd11a	5.991345769	4.189621048	1.80172472	0.016469
peak_19718	chr11	809711	811399	50962	Intergenic	NM_213275	vgll4b	9.770928704	7.969329387	1.801599317	3.50E-05
peak_31883	chr20	26049942	26050358	18009	intron (NM_001045189, intron 17 of 17)	NM_001045189	nrbp1	5.59159547	3.790038751	1.801556719	0.003337
peak_20012	chr9	53686715	53687069	254719	Intergenic	NM_001030165	Mar-04	6.243674584	4.442179873	1.801494711	4.16E-05
peak_33060	chr23	31735826	31736250	15037	intron (NM_001282173, intron 2 of 19)	NM_001282173	eya4	5.824832015	4.023514477	1.801317538	0.00446
peak_29565	chr5	54304812	54305179	219907	Intergenic	NM_001144046	si:dkey-151g22.1	4.941670391	3.140441599	1.801228791	0.001793
peak_41323	chr24	40394245	40395040	35835	Intergenic	NM_212748	rpn2	5.691347445	3.89025888	1.801088564	0.022372
peak_21984	chr5	29509486	29510726	2100	Intergenic	NM_001013472	zgc:110340	8.065859758	6.264874928	1.80098483	0.000108
peak_21249	chr12	31020525	31021052	232508	Intergenic	NM_001111150	bms1l	6.255250623	4.454271718	1.800978906	7.55E-05
peak_28665	chr6	59800775	59801351	10730	intron (NM_001003640, intron 8 of 8)	NM_001080701	slc32a1	7.018292417	5.217500534	1.800791883	0.001354
peak_36126	chr20	16840008	16840466	56632	Intergenic	NM_200082	calm1b	6.653745742	4.85349199	1.800253752	0.008784
peak_32694	chr17	33122294	33122596	-53437	Intergenic	NM_131405	prox1a	5.930157201	4.130011069	1.800146132	0.004081
peak_21993	chr8	2856505	2856866	39233	Intergenic	NM_001126405	naif1	6.511247402	4.711256109	1.799991293	0.000109
peak_20314	chr17	35343835	35344447	61304	intron (NM_001045207, intron 4 of 27)	NM_001037409	itgb1bp1	8.233161641	6.433526389	1.799635251	4.85E-05
peak_15392	chr18	46647601	46648198	27401	Intergenic	NM_001037706	smtla	8.757402289	6.957937976	1.799464313	2.40E-06
peak_31535	chr10	20230562	20230866	16627	intron (NM_001080594, intron 2 of 13)	NM_001080594	ppp3ccb	5.822114313	4.02294498	1.799169333	0.003027
peak_37937	chr10	1089851	1090059	78424	intron (NM_001145996, intron 5 of 10)	NM_001099984	unc5c	4.866612942	3.067535507	1.799077435	0.012588
peak_36474	chr10	222668	223119	13529	intron (NM_131836, intron 3 of 5)	NM_001080689	dyrk1aa	5.625915103	3.826929676	1.798985427	0.009491
peak_35487	chr4	7358943	7359221	130032	Intergenic	NM_001025506	adipor2	5.81822298	4.019282173	1.798940807	0.00763
peak_33790	chr7	56932256	56932522	35643	Intergenic	NM_001003506	trappc2l	5.523276514	3.72457249	1.798704024	0.005248
peak_25372	chr10	17277435	17277695	-5254	Intergenic	NM_201031_1	stoml2	5.5290295	3.730350785	1.798678715	0.000444
peak_23042	chr1	19964866	19965374	104908	Intergenic	NM_001102391	npy1r	7.543264257	5.744670015	1.798594242	0.000172
peak_39173	chr1	43266074	43266398	604000	intron (NM_001159372, intron 7 of 15)	NM_001159372	ctnna2	3.644959288	1.846475529	1.798483759	0.015765
peak_18716	chr3	42867819	42869225	24573	Intergenic	NR_030130		9.691500786	7.893066184	1.798434601	2.01E-05
peak_41486	chr12	48031501	48032125	29425	exon (NM_001007187, exon 4 of 5)	NM_001098781	lhpp	6.23257273	4.434248901	1.798323829	0.022859
peak_40273	chr3	43231459	43232191	9094	intron (NM_200517, intron 5 of 8)	NM_200517	zfand2a	7.156156812	5.357844296	1.798312516	0.018855
peak_33859	chr10	42697055	42697440	-29840	Intergenic	NM_001003536	brf2	6.759227137	4.960930533	1.798296604	0.005337
peak_36747	chr20	5006065	5006434	79231	Intergenic	NM_001160014	tmem242	4.804103672	3.006060189	1.798043483	0.010005
peak_36658	chr11	43316231	43316537	206154	Intergenic	NM_001077254	slmapa	3.327031342	1.529021745	1.798009597	0.009848
peak_17407	chr5	12435996	12437092	-51008	Intergenic	NM_001195784	fep15	10.30367315	8.50568555	1.797987596	9.18E-06
peak_31484	chr22	7374926	7375300	-102287	Intergenic	NM_001003737	zgc:92041	6.41459298	4.616610098	1.797982881	0.00298
peak_29553	chr7	60716087	60716636	43403	exon (NM_001123240, exon 8 of 8)	NM_001123240	slc8a4b	7.083107078	5.28520639	1.797900688	0.00179
peak_43597	chr9	16647549	16648009	102258	intron (NM_001083868, intron 4 of 6)	NM_001113633	si:dkey-103d23.5	5.298726614	3.50152345	1.797203165	0.031187
peak_31463	chr14	52477056	52477464	57039	intron (NM_001077724, intron 11 of 12)	NM_001077724	zgc:154054	6.287479139	4.490335152	1.797143987	0.002966
peak_24376	chr19	45727578	45728119	-132134	Intergenic	NM_001045120	rad21b	7.156456076	5.359394335	1.797061741	0.000302
peak_30107	chr23	43828175	43828550	-36291	Intergenic	NM_199556	rprd1b	6.038049259	4.240990172	1.797059087	0.002083
peak_18315	chr8	39245166	39246068	160344	Intergenic	NM_001042766	pdlim2	7.437289952	5.640441999	1.796847953	1.63E-05
peak_34377	chr4	39726009	39726564	344509	Intergenic	NM_001109839	zgc:173617	4.023907976	2.22707141	1.796836567	0.006015
peak_28034	chr9	34312902	34313354	12609	intron (NM_001077449, intron 1 of 44)	NM_001077449	usp9	6.257568138	4.460877367	1.79669077	0.001115
peak_21080	chr11	45398439	45398957	-19889	intron (NM_001015069_1, intron 3 of 3)	NM_200647	mfn1b	7.564024894	5.767486543	1.796538351	6.97E-05
peak_39810	chr15	36969453	36969780	50009	intron (NM_001044799, intron 7 of 12)	NM_001044799	stim1a	5.180958654	3.384608557	1.796350097	0.01742
peak_31217	chr22	3672132	3672632	176525	Intergenic	NM_001013507	timm44	6.813918956	5.017603151	1.796315804	0.002776
peak_20161	chr12	50070835	50071291	57246	intron (NM_001109719_1, intron 5 of 5)	NM_001015064_1	ctbp2l	6.238134336	4.441905937	1.796228399	4.49E-05
peak_23545	chr23	7383366	7383949	-40082	Intergenic	NM_001166126	si:dkeyp-73a2.2	6.936115309	5.14041118	1.795704129	0.00021
peak_25084	chr9	27287438	27287881	150500	Intergenic	NM_131023	efnb2a	7.226704617	5.431038969	1.795665648	0.0004
peak_26113	chr2	1549361	1549919	109941	intron (NM_200739, intron 3 of 3)	NR_111928_1		6.025596405	4.23020062	1.795395785	0.000572
peak_34313	chr11	4103491	4103797	-17595	Intergenic	NM_201012	nek4	6.037379929	4.242102783	1.795277145	0.005924
peak_15962	chr7	47192362	47193204	-380507	Intergenic	NM_001020749	pop4	8.697351025	6.902077721	1.795273304	3.68E-06
peak_41599	chr18	35117529	35120665	-3669	Intergenic	NM_001045241	si:ch211-160d20.	10.45456272	8.659353926	1.795208794	0.023311
peak_43993	chr18	6185747	6186127	-2597	Intergenic	NM_001017774	zgc:110373	5.415350924	3.620248859	1.795102066	0.032934
peak_14300	chr23	41375297	41376294	-206385	Intergenic	NM_001139458	si:dkey-194e6.1	9.098110745	7.303029511	1.795081234	1.06E-06
peak_36795	chr15	27912555	27912823	54697	Intergenic	NM_001039972	slc6a4a	5.454601368	3.659650856	1.794950512	0.010107
peak_27420	chr6	24220605	24221598	-60659	Intergenic	NM_001024224	cygb2	7.126791002	5.331975635	1.794815367	0.000899
peak_18228	chr18	11753444	11754287	22137	intron (NM_198372, intron 1 of 3)	NM_198372	fam107b	8.831535591	7.036807644	1.794727947	1.55E-05
peak_22124	chr7	22927866	22928793	-27655	Intergenic	NM_001077144	tmem88b	7.376762075	5.582344384	1.79441769	0.000115
peak_34728	chr17	16850663	16850937	136172	intron (NM_001080009, intron 19 of 23)	NM_212789	dio2	6.146230561	4.351862083	1.794368478	0.006458
peak_24073	chr14	42016811	42017285	53934	intron (NM_001114413, intron 4 of 6)	NM_001114413	tnmd	6.91508355	5.120794756	1.794288794	0.000265
peak_34692	chr10	8076545	8077048	-30391	Intergenic	NM_001009560	tln1	3.730456497	1.936438058	1.794018438	0.006427
peak_38574	chr5	9169144	9169617	-11200	intron (NM_001045858, intron 1 of 2)	NM_001002042_1	mybbp1a	6.574612895	4.780711871	1.793901024	0.014156
peak_16734	chr15	44384230	44385246	6328	intron (NM_200546_1, intron 5 of 12)	NM_200546_1	psmd2	7.88200703	6.08834253	1.7936645	6.07E-06
peak_29821	chr16	28373336	28373587	109734	Intergenic	NM_001044848	arhgef1b	5.482956608	3.689787224	1.793169384	0.001925
peak_23488	chr22	18666095	18666690	49472	intron (NM_001044843, intron 1 of 5)	NM_001044717	si:ch211-212d10.	7.622906734	5.829742527	1.793164207	0.000206
peak_36923	chr6	51664590	51664963	663	intron (NM_001012499, intron 1 of 22)	NM_001012499	zgc:113070	6.62412012	4.831298867	1.792821253	0.010396
peak_39532	chr23	295303	295660	-29871	Intergenic	NM_001002548	taf11	6.16478996	4.372419038	1.792370922	0.016706
peak_25481	chr13	10613203	10613832	77708	Intergenic	NM_200480	dync2li1	8.259932738	6.467644689	1.79228805	0.000461
peak_19593	chr11	5117191	5117923	-292881	Intergenic	NM_001077310		7.149641103	5.357438977	1.792202126	3.27E-05
peak_42215	chr24	14037542	14037984	75572	Intergenic	NM_001012259	xkr9	5.74656443	3.954703655	1.791860775	0.025367
peak_16961	chr6	48324861	48325525	33240	3' UTR (NM_201150, exon 5 of 5)	NM_201150	rhoae	8.361185268	6.569327222	1.791858046	6.89E-06
peak_20359	chr22	32390148	32390856	-11334	Intergenic	NM_198978	pdcd4b	8.698310237	6.90671797	1.791592267	4.98E-05
peak_22179	chr3	43640017	43640635	6570	intron (NM_001002044, intron 1 of 2)	NM_001002044	mafk	7.216975347	5.425494047	1.7914813	0.000118
peak_35369	chr16	26894398	26894663	1028	intron (NM_001004542, intron 3 of 8)	NM_001004542	pon1	5.183380884	3.391937397	1.791443487	0.007444
peak_24262	chr14	17028744	17029011	447985	Intergenic	NM_001044746	cnga5	5.963015635	4.171631157	1.791384477	0.000289
peak_17012	chr2	14912392	14913324	-8488	Intergenic	NM_001017728	f3b	9.014416434	7.223160821	1.791255612	7.08E-06
peak_14775	chr24	3690375	3691067	134039	Intergenic	NM_001168264	wdr37	8.62847285	6.837262113	1.791210737	1.55E-06
peak_24528	chr6	52913029	52913718	17812	Intergenic	NM_001136247	or136-1	7.815291882	6.024206957	1.791084925	0.000321
peak_37268	chr1	24359550	24360175	-6329	Intergenic	NM_001077384	sfrp2	4.975689123	3.185068015	1.790621108	0.011153
peak_29869	chr13	1716196	1716602	-7544	Intergenic	NM_001110400_1	hmgcll1	5.819002087	4.028521459	1.790480628	0.001949
peak_40738	chr2	2307682	2307976	-67206	Intergenic	NM_131357	pth1ra	5.771377205	3.980968417	1.790408788	0.020348
peak_30661	chr4	28571958	28572438	267052	Intergenic	NM_001113341	si:dkey-13e3.1	5.532805944	3.742499313	1.790306631	0.002405
peak_31180	chr10	44660151	44660575	-7114	intron (NM_200786, intron 7 of 7)	NM_214688	vcanb	7.439176694	5.649220271	1.789956423	0.00274
peak_16943	chr23	40548666	40550395	189	intron (NM_001103125, intron 1 of 2)	NM_001103125	fam46ab	10.09524665	8.30532236	1.789924291	6.84E-06
peak_33121	chr23	41770756	41771171	85077	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	6.125559501	4.335866157	1.789693344	0.00453
peak_31186	chr16	35774227	35774499	-132414	Intergenic	NM_131161	pou3f1	5.819391483	4.030488058	1.788903424	0.002745
peak_36234	chr2	13582349	13582675	55590	Intergenic	NM_001003840	ebna1bp2	5.407602421	3.618742051	1.78886037	0.008976
peak_38973	chr6	1940840	1941248	11555	intron (NM_212656_1, intron 2 of 10)	NM_212656_1	tgm2b	6.709774804	4.921002423	1.788772381	0.015195
peak_36934	chr1	31303329	31303822	7019	intron (NM_001079966, intron 2 of 17)	NM_001079966	nt5c2b	6.555257411	4.766507737	1.788749674	0.010409
peak_14897	chr7	24095238	24096136	28194	intron (NM_131843, intron 2 of 4)	NM_131843	tnfsf10l	8.750602602	6.961859036	1.788743566	1.68E-06
peak_25575	chr24	19506641	19506995	-252869	Intergenic	NM_001089499	zgc:162928	5.980920138	4.192284731	1.788635407	0.000477
peak_29222	chr6	59216484	59217408	122715	Intergenic	NM_001123374	shmt2	6.976562277	5.188461264	1.788101013	0.001618
peak_42233	chr10	44460859	44461117	-54708	Intergenic	NM_001037124	atg10	5.35096278	3.562891557	1.788071223	0.025417
peak_43397	chr9	46216393	46216640	154880	Intergenic	NM_001040004	retsatl	2.342286181	0.554393687	1.787892494	0.030401
peak_39359	chr12	16452912	16453657	13534	intron (NM_213095, intron 1 of 12)	NM_213095	acbd4	2.953113131	1.165224779	1.787888353	0.016215
peak_20113	chr16	46340640	46341257	46861	intron (NM_001114444_1, intron 3 of 10)	NM_001114444_1	oxr1a	8.584319184	6.796575965	1.787743219	4.39E-05
peak_19419	chr1	42180506	42181137	19465	intron (NM_001007352, intron 1 of 5)	NM_001007352	rnf24	7.567397058	5.779855263	1.787541795	2.96E-05
peak_30988	chr8	52775718	52776055	21055	intron (NM_001034981_1, intron 5 of 10)	NM_001034981_1	gfpt1	5.5741111	3.786618769	1.787492331	0.002611
peak_34047	chr6	28088687	28089023	80860	intron (NM_201198, intron 1 of 10)	NM_201198	lpp	6.072509599	4.285201472	1.787308127	0.005582
peak_23649	chr16	51941571	51941870	-8479	Intergenic	NM_131612	pbx2	6.267607534	4.480491581	1.787115953	0.00022
peak_25964	chr15	30056390	30056798	57432	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	6.71984596	4.933016171	1.786829789	0.000542
peak_27693	chr1	14105561	14105951	120328	Intergenic	NM_001045485	pi4k2b	7.277160652	5.490469154	1.786691498	0.00099
peak_35756	chr4	2159832	2160381	-33855	Intergenic	NM_001045325	krr1	6.078071659	4.291765752	1.786305907	0.008139

peak_39322	chr2	57463442	57464341	-81344	Intergenic	NM_001030070	gpx4b	7.121906022	5.335605983	1.786300039	0.016115
peak_24957	chr18	16539038	16539898	36540	exon (NM_001044986, exon 10 of 12)	NM_001044986	swap70b	7.372397726	5.586160601	1.786237124	0.000381
peak_29675	chr7	10453984	10454516	170631	Intergenic	NM_001044745	aldh1a3	7.075446821	5.289224576	1.786222244	0.001848
peak_36248	chr23	37548917	37549214	-15900	Intergenic	NM_001008628	pink1	5.539967071	3.753815107	1.786151964	0.00902
peak_29563	chr1	33023522	33024022	-4742	intron (NM_001079980, intron 12 of 14)	NM_001145576	gyg2	6.896337601	5.11030581	1.78603179	0.001793
peak_16992	chr5	10312650	10313452	189908	Intergenic	NM_001080038	zgc:158343	9.330362225	7.544648135	1.78571409	7.01E-06
peak_15891	chr18	2740700	2741405	155475	Intergenic	NM_001045470	fam168a	9.301422337	7.515930174	1.785492163	3.48E-06
peak_21653	chr18	43163038	43163410	-22402	Intergenic	NM_200666	ilvbl	7.230963725	5.4457338	1.785229925	9.23E-05
peak_18352	chr20	32342007	32342808	29210	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	8.2297149	6.444769527	1.784945372	1.66E-05
peak_37045	chr20	53386361	53386960	150224	Intergenic	NM_001110478	ctsbb	7.738218064	5.953365081	1.784852983	0.010651
peak_23089	chr5	12335132	12335638	-152167	Intergenic	NM_001195784	fep15	8.46136111	6.676948862	1.784412248	0.000176
peak_33538	chr15	46882502	46883008	-15592	intron (NM_213169, intron 1 of 7)	NM_181331	otx5	6.391147984	4.607269527	1.783878457	0.004958
peak_22611	chr9	18053522	18054389	98949	Intergenic	NM_001002190	rgcc	8.117311941	6.33351831	1.783793631	0.000142
peak_35702	chr16	36369341	36370786	23012	intron (NM_001114923, intron 1 of 9)	NM_001025470	snip1	3.641439946	1.857866775	1.783573172	0.008029
peak_43418	chr24	14877517	14877805	36323	intron (NM_001089439, intron 1 of 7)	NM_001089439	dok6	2.33794409	0.554393687	1.783550404	0.030507
peak_33727	chr3	46799406	46799790	-2553	Intergenic	NM_201053	prkcsh	5.738327036	3.954817661	1.783509375	0.005179
peak_13165	chr23	41639715	41640322	216022	intron (NM_001260501, intron 5 of 18)	NM_001260501	scube3	9.139250032	7.355939108	1.783310925	4.12E-07
peak_37257	chr24	38346692	38346980	-39922	Intergenic	NM_001045443	dcakd	5.837235881	4.053984205	1.783251676	0.011125
peak_23469	chr21	3773904	3774267	-84716	Intergenic	NM_175082	smad7	6.284379699	4.501961637	1.782418063	0.000204
peak_14048	chr6	143119	144483	20249	Intergenic	NM_001291889	bglapl	9.783482974	8.001228355	1.782254619	8.82E-07
peak_20468	chr3	56056397	56057290	-57440	Intergenic	NM_183066	hbae3	8.51721799	6.735196477	1.782021513	5.22E-05
peak_27736	chr9	8780765	8781124	170432	Intergenic	NM_212771	rab20	6.176709942	4.395284351	1.781425591	0.001006
peak_21114	chr16	58160040	58161602	28438	Intergenic	NM_200431	fbxo43	8.577933577	6.796602953	1.781330625	7.09E-05
peak_34172	chr12	8069422	8069800	-46623	Intergenic	NM_001005602	phyhiplb	6.107442047	4.326393058	1.781048989	0.005727
peak_33525	chr23	10787696	10788291	40935	intron (NM_001077564, intron 3 of 16)	NM_001077564	foxp1a	7.218886609	5.438004802	1.780881806	0.004945
peak_26371	chr3	12880173	12880563	-38559	Intergenic	NM_001289885	glis2b	5.873776418	4.093082035	1.780694384	0.000626
peak_13397	chr10	37057654	37058753	177376	Intergenic	NM_001007431	katnal1	9.358329126	7.577701098	1.780628027	5.09E-07
peak_18342	chr9	26615435	26616267	-138415	Intergenic	NM_001110278	acvr2aa	8.130432146	6.350175713	1.780256433	1.65E-05
peak_19901	chr25	4464471	4464732	-153046	Intergenic	NM_131786	cry3	6.106804156	4.326676577	1.780127579	3.88E-05
peak_29223	chr15	42650865	42651473	-52109	Intergenic	NM_200277	naalad2	7.472319469	5.692349238	1.77997023	0.001619
peak_23366	chr14	19972276	19972517	8247	intron (NM_200366, intron 4 of 5)	NM_200366	prelid1a	5.639677051	3.859808194	1.779868856	0.000195
peak_34541	chr5	37715995	37716675	142994	Intergenic	NM_001004659	zgc:103697	6.639677051	4.859816724	1.779860327	0.006244
peak_26596	chr21	12050329	12050807	8189	intron (NM_001080586, intron 1 of 13)	NM_001080586	fam129ba	6.975668741	5.195923456	1.779745286	0.000674
peak_16156	chr9	52990035	52990642	-76687	Intergenic	NM_001076600	tank	8.447217283	6.667595954	1.779621329	4.16E-06
peak_38103	chr14	11811585	11812081	-105859	Intergenic	NM_001105590	zgc:174917	3.041371788	1.261869094	1.779502694	0.01299
peak_43285	chr20	70081	70412	-32624	Intergenic	NM_001114452	zgc:174972	4.886161722	3.106794811	1.77936691	0.029891
peak_19260	chr3	25468940	25469399	1655	intron (NM_001114426, intron 1 of 19)	NM_001114426	smurf2	7.408896731	5.629646411	1.779250321	2.72E-05
peak_16158	chr22	17124309	17125465	94560	intron (NM_001079962, intron 3 of 10)	NM_001079962	nfia	9.488017319	7.708855324	1.779161995	4.16E-06
peak_25175	chr1	8276417	8276763	1468	intron (NM_001110102, intron 1 of 21)	NM_001110102	chtf18	5.952382489	4.173324228	1.779058261	0.000413
peak_36367	chr20	53431413	53431739	105308	Intergenic	NM_001110478	ctsbb	6.224656703	4.445608107	1.779048596	0.009257
peak_24202	chr16	3856155	3856581	-156534	Intergenic	NM_001020660	cyb5r4	6.79002032	5.011305394	1.778714926	0.000281
peak_42635	chr24	41424848	41426243	-151519	Intergenic	NM_001045408_1	zgc:153659	8.323781953	6.545206292	1.778575662	0.026993
peak_22224	chr9	23430967	23431339	32703	Intergenic	NM_001012390	crygs3	6.104569313	4.326097281	1.778472032	0.00012
peak_30171	chr14	48766648	48767036	135919	intron (NM_001004573, intron 5 of 9)	NM_001004573	macrod1	6.013695992	4.235456259	1.778239734	0.002125
peak_43066	chr21	39568053	39568271	18678	Intergenic	NM_200295	yipf5	3.268781826	1.490687863	1.778093963	0.028879
peak_38659	chr7	64971254	64971647	320532	Intergenic	NM_131287	sox17	7.059673623	5.281910518	1.777763105	0.014339
peak_41180	chr22	21562626	21563102	-64592	Intergenic	NM_001130670	odf3l2	3.941628654	2.164199981	1.777428673	0.021938
peak_33637	chr5	44154605	44155157	-31963	Intergenic	NR_048925_20		4.882396095	3.105078435	1.77731766	0.005075
peak_22516	chr11	2532924	2533388	-14	promoter-TSS (NM_001020716)	NM_001020716	zgc:113184	7.035025043	5.25773464	1.777290403	0.000136
peak_39460	chr9	19631925	19632364	-25510	Intergenic	NM_001123297	chmp2ba	6.554321972	4.777096447	1.777225525	0.016463
peak_22751	chr25	13535959	13536768	16490	Intergenic	NM_199604	map1lc3b	5.85293938	4.075910612	1.777028768	0.000151
peak_25478	chr15	34483944	34484397	24496	intron (NM_199835, intron 1 of 12)	NM_199835	agfg1a	6.961957897	5.185102671	1.776855227	0.000461
peak_38406	chr24	59231	59671	14438	Intergenic	NM_001045561	zgc:152808	3.912723933	2.13590992	1.776814013	0.013797
peak_22112	chr21	29631491	29632163	66242	intron (NM_001202541, intron 8 of 13)	NM_001202541	stim1b	7.70924961	5.932446939	1.776802672	0.000114
peak_18789	chr15	29008337	29008796	-68905	Intergenic	NM_001076633	zgc:153372	7.552573219	5.77623115	1.776342069	2.10E-05
peak_32692	chr18	48120729	48121391	21209	Intergenic	NM_001007334	yif1b	4.36172786	2.585478041	1.776249819	0.004078
peak_35767	chr20	25770586	25770947	7152	exon (NM_212829, exon 2 of 2)	NM_212829	chst14	5.909414274	4.133284892	1.776129382	0.00815
peak_16089	chr16	40990496	40991055	8369	intron (NM_200060, intron 2 of 4)	NM_200060	cdc42se1	8.634974193	6.858908825	1.776065368	3.97E-06
peak_40436	chr14	26154982	26155208	1541	intron (NM_001007136, intron 1 of 19)	NM_001007136	LOC556124	4.049438723	2.273505234	1.775933489	0.019356
peak_41438	chr17	53645741	53646493	-41121	Intergenic	NM_001013290	dph6	5.164465597	3.388541075	1.775924523	0.022733
peak_42145	chr10	35402061	35402325	282029	Intergenic	NM_001114706_1	zgc:174193	3.111880861	1.336022403	1.775858459	0.025153
peak_37816	chr19	17340691	17341076	52492	intron (NM_001039524, intron 4 of 7)	NM_001039524	zfpm2b	6.718581769	4.942983479	1.77559829	0.012324
peak_19629	chr5	45504970	45505600	16314	Intergenic	NM_001013558	zgc:112966	7.990405153	6.214979841	1.775425312	3.35E-05
peak_16274	chr3	47478219	47479195	-8834	Intergenic	NM_001089500	arl16	9.46225983	7.686998687	1.775261142	4.48E-06
peak_42555	chr13	7088021	7088521	88463	Intergenic	NM_001281798	ninl	2.970047467	1.19500324	1.775044227	0.026676
peak_14634	chr24	31356967	31357624	7296	intron (NM_199753, intron 1 of 6)	NM_199753	cnn3a	8.314180194	6.539213918	1.774966276	1.39E-06
peak_15356	chr8	25821889	25822710	1434	exon (NM_001100062, exon 2 of 2)	NM_001100062	si:ch211-199o1.2	7.688886435	5.913960505	1.77492593	2.34E-06
peak_18637	chr10	3693624	3694148	166128	Intergenic	NM_001037412	zgc:123275	8.276163975	6.501939549	1.774224426	1.92E-05
peak_43448	chr4	61691531	61691804	201538	Intergenic	NM_001037404	zgc:123107	2.828296123	1.054120914	1.77417521	0.030601
peak_25280	chr6	47196037	47196529	-212633	Intergenic	NR_030036		6.510524144	4.736482148	1.774041997	0.00043
peak_23320	chr14	2122861	2123405	-4564	intron (NM_001111171, intron 8 of 9)	NM_201310	fbxw11a	6.009586891	4.235665484	1.773921407	0.000192
peak_28574	chr4	19442772	19443172	14159	exon (NM_200363, exon 5 of 5)	NM_200363	rassf8b	6.31571114	4.541817206	1.773893933	0.001321
peak_21760	chr7	32418139	32418610	-151765	Intergenic	NM_001013468	zgc:111992	7.081656461	5.30784898	1.773807481	9.71E-05
peak_30243	chr4	17748161	17748880	-26075	Intergenic	NR_029978		7.265322777	5.491567462	1.773755315	0.002165
peak_34534	chr7	77114833	77115336	63300	Intergenic	NM_001020651	zgc:112102	4.406017464	2.632374798	1.773642666	0.006231
peak_36566	chr3	61308648	61308967	24136	intron (NM_001020768, intron 2 of 2)	NM_001020768	ubald2	5.737090967	3.963666121	1.773424846	0.009679
peak_20087	chr3	58468593	58469021	11599	intron (NM_213296, intron 1 of 8)	NM_213296	timp2b	8.059183932	6.285872827	1.773311106	4.33E-05
peak_17404	chr5	12465388	12465976	-21870	Intergenic	NM_001195784	fep15	7.735022476	5.96173741	1.773285066	9.15E-06
peak_39860	chr24	32544627	32545529	-30851	Intergenic	NR_045229_1		7.208938357	5.435953051	1.772985305	0.017583
peak_20646	chr1	50242426	50242794	-79024	Intergenic	NM_131426	lef1	6.664877105	4.892014217	1.772862887	5.71E-05
peak_41319	chr14	29795671	29796030	-209490	Intergenic	NM_001039064	insb	3.355234589	1.582422503	1.772812086	0.022359
peak_28403	chr11	6594646	6594981	56000	Intergenic	NM_213031	gadd45ba	6.4578565	4.685111523	1.772744977	0.00125
peak_22020	chr20	6024328	6024871	63130	intron (NM_001089536, intron 21 of 21)	NM_001089536	cep128	7.029650407	5.25701541	1.772634997	0.00011
peak_22100	chr23	36196397	36196832	14015	exon (NM_001134685, exon 3 of 5)	NM_131122	hoxc4a	6.76511284	4.992584218	1.772528623	0.000114
peak_42417	chr22	3682234	3682620	166480	Intergenic	NM_001013507	timm44	5.352577963	3.580246826	1.772331136	0.026108
peak_42922	chr22	32349622	32349991	11277	intron (NM_198978, intron 10 of 10)	NM_001166123	bbip1	5.253810789	3.481722455	1.772088334	0.028223
peak_24150	chr15	14030064	14030939	26759	Intergenic	NM_001077578	pnkp	8.972088332	7.200120099	1.771968234	0.000275
peak_30592	chr10	14327792	14328160	124114	Intergenic	NM_001080612	galt	5.732963073	3.96111	1.771853073	0.00236
peak_15143	chr1	39276121	39276807	-5739	Intergenic	NM_205734	vegfc	8.430206416	6.658378208	1.771828208	2.00E-06
peak_21838	chr23	2865658	2867377	23721	intron (NM_194407, intron 19 of 29)	NM_198813	zhx3	8.825724264	7.054037729	1.771686534	0.000101
peak_34876	chr9	34535266	34535712	-24593	Intergenic	NM_152941	caska	7.122861996	5.351214873	1.771647124	0.006678
peak_41841	chr17	10351374	10351805	7603	Intergenic	NM_199786	clec14a	6.061649929	4.290137257	1.771512672	0.024085
peak_25138	chr23	40162535	40163016	-115305	Intergenic	NM_001142955	minos1	5.629028282	3.857623837	1.771404445	0.000407
peak_41406	chr3	58237834	58238856	1502	exon (NM_199950, exon 2 of 2)	NM_199950	socs3a	7.902690938	6.131303939	1.771386999	0.022632
peak_27372	chr16	15429988	15430417	1864	exon (NM_001025536, exon 3 of 5)	NM_001025536	zgc:114060	7.032853806	5.261738425	1.771115382	0.000884
peak_15837	chr3	35592063	35592889	-23897	Intergenic	NR_023338		7.717119702	5.946071035	1.771048667	3.36E-06
peak_38697	chr17	52671365	52671700	-51087	Intergenic	NM_194386	tgfb3	4.569951633	2.799272142	1.770679491	0.014439
peak_33312	chr4	45694158	45700277	-438880	Intergenic	NM_001128300	LOC100008037	5.317074445	3.54683453	1.770239915	0.004712
peak_39134	chr24	34945292	34945558	20331	Intergenic	NM_001008579	murcb	4.748610487	2.978674459	1.769936028	0.015636
peak_16955	chr13	47004425	47004952	35929	intron (NM_178303, intron 2 of 17)	NM_001243004	fgfr2	8.569890403	6.799955382	1.769935021	6.87E-06
peak_33676	chr7	61783562	61783815	-23617	Intergenic	NM_001005985	rwdd	5.660741649	3.890835169	1.76990648	0.005123
peak_28443	chr7	48953465	48953838	-562826	Intergenic	NM_001195407	tshz3b	6.208641113	4.439487385	1.769153729	0.001265
peak_14892	chr19	25004905	25005611	31138	Intergenic	NM_200087	txnipa	9.798565533	8.029549405	1.769016128	1.67E-06
peak_31062	chr17	14656445	14656921	31210	Intergenic	NM_200270	zgc:56576	5.285225662	3.516212278	1.769013384	0.002658
peak_30748	chr18	12136201	12136595	32079	intron (NM_205609, intron 2 of 13)	NM_205609	tbxas1	6.323418804	4.554626849	1.768791955	0.002455

peak_39067	chr2	514727	515041	-104606	Intergenic	NM_212920	wrnip1	3.451058288	1.682381901	1.768676386	0.015429
peak_39962	chr13	30827947	30828400	32373	intron (NM_001098388, intron 2 of 4)	NM_001004626	ppifa	6.821931333	5.053266551	1.768664781	0.017932
peak_21218	chr7	37118948	37119509	45715	Intergenic	NM_001045227	irx5a	6.30822336	4.53967026	1.768553099	7.46E-05
peak_39465	chr5	74770614	74771115	63954	Intergenic	NM_001003993	ak1	6.266751174	4.498422649	1.768328525	0.016479
peak_38747	chr6	4690694	4691083	258688	Intergenic	NM_201285	pou4f1	6.075446821	4.307152809	1.768294012	0.014588
peak_42311	chr12	9272602	9272915	-32232	Intergenic	NM_130997	egr2b	4.147125313	2.378922404	1.768202909	0.025686
peak_43213	chr16	20066600	20067054	239916	Intergenic	NM_001080634	zgc:158847	5.009606799	3.241580306	1.768026493	0.029592
peak_38037	chr16	42762441	42762702	52608	Intergenic	NM_200216	trmt11	5.417440195	3.649433035	1.768007159	0.012854
peak_43081	chr11	46238696	46239551	4033	intron (NM_001082993, intron 2 of 16)	NM_001082993	sos1	6.537338085	4.769337385	1.7680007	0.028934
peak_17690	chr16	2312684	2313589	10799	Intergenic	NM_181735	foxi1	7.700366816	5.93238696	1.767979855	1.12E-05
peak_37409	chr6	10283653	10283998	-67253	Intergenic	NM_001044895	scn1lab	6.683442062	4.91549685	1.767945212	0.011467
peak_41275	chr1	808411	809447	32678	Intergenic	NM_001080690	creg1	7.540668833	5.772903551	1.767765282	0.022258
peak_34899	chr19	29199878	29201048	10122	Intergenic	NR_105066		5.290323821	3.52272487	1.767598952	0.006719
peak_44016	chr8	40071829	40072284	-173062	Intergenic	NM_001083829	pcsk5b	4.948136274	3.180558572	1.767577702	0.033019
peak_43671	chr6	26419743	26420173	-151847	Intergenic	NM_001037680	sox14	2.646715745	0.87932337	1.767392375	0.031565
peak_21791	chr2	3632080	3632469	20424	intron (NM_001007185, intron 1 of 4)	NM_001007185	wnt3a	6.898745647	5.131630496	1.767115151	9.86E-05
peak_41384	chr7	65069529	65070086	222175	Intergenic	NM_131287	sox17	2.722150645	0.95511259	1.767038056	0.02258
peak_24433	chr18	4919100	4919783	6681	TTS (NM_200643)	NM_001198748	zgc:153317	6.212221296	4.44521355	1.767007746	0.000308
peak_36019	chr20	34254332	34254671	62714	intron (NM_001190304, intron 17 of 106)	NM_001190304	hmcn1	3.800163388	2.033173548	1.76698984	0.008566
peak_44005	chr14	643111	643501	-13255	intron (NM_212882, intron 8 of 12)	NM_001013482	ube2ka	5.487864225	3.721031953	1.766832271	0.032965
peak_33275	chr25	19043681	19044112	0	promoter-TSS (NM_001002150)	NM_001002150	cav2	6.377959878	4.611201261	1.766758617	0.00467
peak_41996	chr6	59847019	59847722	-35577	Intergenic	NM_001080701	slc32a1	6.041744507	4.275130943	1.766613564	0.024664
peak_35431	chr20	52311097	52311404	139443	Intergenic	NM_001045274	taf1a	5.090745696	3.324369328	1.766376368	0.007545
peak_36783	chr23	41715115	41715656	140655	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	6.291166306	4.524919954	1.766246352	0.010087
peak_17514	chr5	34545539	34547009	3707	intron (NM_177984, intron 1 of 4)	NM_177984	lmo4a	9.838870724	8.07264406	1.766226663	9.86E-06
peak_33341	chr7	12381210	12381997	-179690	Intergenic	NM_001080704	mesdc2	7.274740731	5.508545888	1.766194843	0.004751
peak_27706	chr4	10704912	10705309	-32303	Intergenic	NR_030037		6.189737526	4.423665962	1.766071564	0.000992
peak_39252	chr2	59039295	59039929	14534	intron (NM_214812, intron 1 of 18)	NM_214812	epb41l3b	5.601191385	3.835414998	1.765776386	0.015968
peak_21562	chr7	62984499	62984865	93449	Intergenic	NM_200491	tbc1d19	6.364383273	4.598857611	1.765525663	8.82E-05
peak_39184	chr7	60272260	60272706	119388	Intergenic	NM_001006086	trmt44	5.222285668	3.456970227	1.765315442	0.015786
peak_40528	chr24	43527308	43527687	50287	intron (NM_001034986, intron 46 of 52)	NM_001007435	arhgap28	4.293723513	2.528760195	1.764963317	0.019694
peak_16241	chr3	55475922	55477434	-17840	intron (NM_001159970, intron 1 of 1)	NM_131189	dnmt1	8.229719172	6.465097102	1.764622071	4.38E-06
peak_28640	chr15	15226193	15226744	22319	intron (NM_001020595, intron 7 of 7)	NM_001017695	rnmtl1a	6.642993549	4.87841081	1.764582738	0.001346
peak_37386	chr8	13730443	13730697	-36083	Intergenic	NM_001130790	zgc:194990	5.5750338	3.810620666	1.764413134	0.011405
peak_31680	chr22	25615748	25616010	2481	intron (NM_001102634, intron 1 of 7)	NM_001105134	zgc:171717	6.204753979	4.440384907	1.764369072	0.003153
peak_28143	chr12	38716793	38717785	120226	Intergenic	NM_001040355	pmp22b	6.377182027	4.612922729	1.764259298	0.001156
peak_24420	chr16	51579418	51579835	25199	intron (NM_001003763, intron 1 of 7)	NM_001003763	eif3ha	6.203262829	4.439293472	1.763969357	0.000307
peak_39682	chr25	35634982	35635501	60307	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	6.95059574	5.186729572	1.763866168	0.017081
peak_34141	chr22	23069035	23069321	17699	intron (NM_131463, intron 7 of 11)	NM_131463	nr5a2	5.193665276	3.429800536	1.763864741	0.005694
peak_37733	chr2	49251472	49251919	35083	TTS (NM_001077752)	NM_001012258_1	zgc:123035	3.863551286	2.099739707	1.763811579	0.012109
peak_31361	chr19	29885071	29885363	34646	intron (NM_001044337, intron 3 of 4)	NM_001044337	fndc5b	5.179746013	3.415955917	1.763790095	0.002891
peak_32035	chr8	47062900	47063282	53827	Intergenic	NM_001017904	zgc:113060	5.955220153	4.191550548	1.763669605	0.003455
peak_19527	chr7	75624784	75625531	-97479	Intergenic	NM_001077468	mrpl21	7.392333907	5.628709764	1.763624143	3.15E-05
peak_40882	chr24	43380201	43380654	39542	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	6.087192868	4.323811932	1.763380936	0.020853
peak_36209	chr9	5230243	5230541	119065	Intergenic	NM_001113590	tnfsf13b	4.970748769	3.207411476	1.763337293	0.008931
peak_15311	chr23	8942638	8943386	-103059	Intergenic	NM_200986	tcea2	8.676877994	6.913655319	1.763222676	2.30E-06
peak_17742	chr19	39397816	39398271	-8794	Intergenic	NM_001002733	nxph1	7.624795125	5.86162489	1.763170235	1.16E-05
peak_13170	chr19	26619273	26620485	101006	intron (NM_001202459, intron 6 of 17)	NM_001044814	dtnbp1b	10.11803127	8.355054077	1.76297719	4.14E-07
peak_37066	chr20	48453730	48454321	-42064	Intergenic	NM_001025546	tfap2d	4.952361775	3.189563406	1.762798369	0.0107
peak_20033	chr20	26102826	26103468	-7520	Intergenic	NM_001082917	myct1	8.502651375	6.740241326	1.762410049	4.21E-05
peak_24739	chr18	14326139	14326435	46494	Intergenic	NM_001030145	uri1	5.770595438	4.008191619	1.762403819	0.00035
peak_25866	chr7	37282674	37283160	-117974	Intergenic	NM_001045227	irx5a	7.507627481	5.745233202	1.762394278	0.000525
peak_31740	chr16	12842836	12843238	-103239	Intergenic	NM_131390	gsk3ab	4.451058288	2.68902559	1.762032698	0.003214
peak_31844	chr4	2741593	2741919	74581	Intergenic	NM_213494	aebp2	6.460355459	4.698444463	1.761910997	0.003308
peak_41026	chr12	26977636	26978237	17563	intron (NM_001007313, intron 1 of 5)	NM_001007313	ppm1bb	7.275308541	5.513420372	1.761888168	0.021406
peak_39514	chr12	48926545	48927047	-17483	Intergenic	NM_130934_1	hhex	6.230558756	4.468795802	1.761762954	0.016667
peak_42614	chr11	31803475	31803731	183755	Intergenic	NM_200716	zgc:73111	2.975648359	1.214007405	1.761640955	0.026915
peak_39789	chr21	26074579	26075355	10479	Intergenic	NM_001037396	bscl2	5.129019202	3.367770858	1.761248344	0.017352
peak_23884	chr15	9133916	9134220	3405	intron (NM_001017784, intron 1 of 3)	NM_001017784	rhoub	5.85521994	4.094079611	1.761140329	0.000245
peak_29795	chr13	35208923	35209239	-129625	Intergenic	NM_001003562	sptlc3	6.009606799	4.248667712	1.760939088	0.001914
peak_27426	chr11	38369955	38370410	-100880	Intergenic	NM_001040385	egfl7	6.536641608	4.775789365	1.760852243	0.000901
peak_30055	chr25	25520756	25521060	-226754	Intergenic	NM_001002089_1	tsg101a	5.500603106	3.740226265	1.760376841	0.002054
peak_32410	chr1	29066490	29066872	-4352	Intergenic	NM_001080616	vps8	4.89131342	3.131323283	1.759990138	0.003798
peak_35606	chr7	71101434	71101650	82042	intron (NM_001128544, intron 9 of 24)	NM_001128544	si:dkey-119o24.1	4.275608918	2.515619697	1.759989221	0.007858
peak_26459	chr7	9081940	9082624	29447	intron (NM_001077154, intron 13 of 14)	NM_001020496	zgc:113057	6.769363205	5.009462504	1.759900701	0.000642
peak_31894	chr6	57142878	57143301	283450	Intergenic	NM_001002869	ddx27	5.136575428	3.376868991	1.759706437	0.003344
peak_22860	chr21	2853811	2854243	23429	intron (NM_001079958, intron 1 of 14)	NM_001079958	add1	7.357144519	5.597556065	1.759588454	0.000158
peak_22527	chr15	13515439	13515699	39458	Intergenic	NM_201179	sars2	5.736266333	3.976731099	1.759535233	0.000136
peak_42090	chr3	55852085	55852322	-7614	Intergenic	NM_001002228	rhbdf1	5.516087906	3.757068666	1.75901924	0.024967
peak_15104	chr23	10359584	10360948	203	exon (NM_200080, exon 1 of 9)	NM_200080	krt8	9.885423869	8.126611579	1.75881229	1.96E-06
peak_27950	chr8	45558547	45559126	58376	intron (NM_001007032, intron 3 of 44)	NM_001007032	ncor2	5.70702943	3.948220659	1.758808771	0.001087
peak_24520	chr7	16419286	16419752	203508	Intergenic	NM_152969	igf1rb	6.921445737	5.162654706	1.758791032	0.00032
peak_18340	chr24	31393412	31394418	43916	Intergenic	NM_199753	cnn3a	8.804095063	7.045574461	1.758520602	1.65E-05
peak_25816	chr17	20624099	20624415	-98206	Intergenic	NM_199985	ccdc6a	6.395870608	4.637438675	1.758431933	0.000516
peak_33337	chr9	9926749	9927042	-34239	Intergenic	NM_131381	gsk3b	5.560638036	3.802464487	1.758173549	0.004745
peak_38954	chr3	41708672	41709092	-866	promoter-TSS (NM_001290093)	NM_001290093	eif3ba	5.770571942	4.01270183	1.757870113	0.015147
peak_27165	chr24	3464922	3465200	32518	Intergenic	NM_001013563	slc35g2b	6.131530147	4.373696552	1.757833596	0.000823
peak_25936	chr3	39359298	39359612	-59382	Intergenic	NM_001099423	plcd3a	6.201471412	4.443785103	1.757686309	0.000539
peak_42898	chr14	20336897	20337380	-256385	Intergenic	NM_001037372	ptcd3	2.803316476	1.045780477	1.757535999	0.02813
peak_34847	chr5	1400402	1400876	28580	Intergenic	NM_213037	rnf185	5.231678245	3.474254095	1.75742415	0.006627
peak_24643	chr21	8674036	8674693	46317	intron (NM_001037701, intron 2 of 14)	NM_001037701	mapk10	6.64432571	4.887506885	1.756818825	0.000336
peak_31726	chr4	24119474	24119950	31931	Intergenic	NM_131211	gata3	6.36386504	4.607088724	1.756776316	0.003197
peak_21740	chr5	16532065	16532456	-244116	Intergenic	NM_001128246	sc:d411	6.894664817	5.13789996	1.756764858	9.61E-05
peak_29937	chr18	9354075	9354637	404434	Intergenic	NM_001100024	LOC566572	6.926536451	5.169871356	1.756665094	0.001987
peak_30518	chr11	43569977	43570265	-3429	Intergenic	NM_001003590	arf4a	4.887604564	3.131003816	1.756600748	0.00232
peak_26709	chr6	1127651	1129032	-33244	Intergenic	NM_001110010_1	plxna1b	8.641271554	6.884741071	1.756530483	0.000703
peak_22790	chr6	11646373	11646734	-25177	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	6.602070526	4.845654998	1.756415528	0.000153
peak_27443	chr8	55532971	55533263	38606	Intergenic	NM_001001400	actr8	5.623241307	3.867085003	1.756156304	0.000907
peak_34626	chr18	16468668	16468967	-14473	Intergenic	NM_199848	ampd3b	5.491318164	3.735325972	1.755992192	0.006349
peak_24644	chr1	22588009	22588841	29426	intron (NM_131735, intron 4 of 35)	NM_131735	slit2	7.978389096	6.222419949	1.755969148	0.000336
peak_39823	chr18	26013102	26013418	-23382	Intergenic	NR_030101		5.704080267	3.948147986	1.755932282	0.017489
peak_42701	chr16	29120690	29121353	-14292	Intergenic	NM_001002108	ino80c	7.770678498	6.014844596	1.755833903	0.027293
peak_21755	chr2	8135278	8135879	89996	Intergenic	NM_001007436	dia1a	7.349742341	5.593982977	1.755759364	9.68E-05
peak_41909	chr7	34498262	34498688	18436	Intergenic	NM_001159541	intl2	4.911951239	3.156201133	1.755750106	0.024366
peak_39562	chr1	39585283	39585610	150993	Intergenic	NR_030668		5.78940098	4.033692296	1.755708684	0.016791
peak_25424	chr7	32457641	32458223	-191323	Intergenic	NM_001013468	zgc:111992	7.117945204	5.362849095	1.755096109	0.000453
peak_28618	chr15	47263141	47264234	-43308	Intergenic	NM_001076636_1	zgc:153039	7.693367053	5.938301463	1.75506559	0.001338
peak_43262	chr1	37848124	37848739	3770	Intergenic	NM_001083060	si:ch211-205a14.	5.976367317	4.221455101	1.754912216	0.029815
peak_23079	chr6	18157533	18157838	78454	intron (NM_200375, intron 6 of 7)	NM_200375	stx8	6.033337828	4.278547024	1.754790804	0.000175
peak_27918	chr21	9524584	9524906	-107928	intron (NM_001080201, intron 1 of 5)	NR_030058		5.965128785	4.210394807	1.754733978	0.001075
peak_30143	chr3	34570206	34570511	76240	intron (NM_198911, intron 2 of 10)	NM_198911	sept9a	5.584255219	3.829533132	1.754722087	0.00211
peak_36990	chr5	53687284	53687648	-22372	Intergenic	NM_001193615	LOC100151066	3.555944961	1.801379395	1.754565566	0.010554
peak_30804	chr19	49752671	49752971	4717	intron (NM_001077720, intron 8 of 11)	NM_001077720	atf6b	4.573649529	2.819323907	1.754325622	0.002493
peak_23186	chr11	17637754	17638252	575513	Intergenic	NM_001077273	fam19a4b	8.211920403	6.457746122	1.754174281	0.000183
peak_21593	chr3	62610749	62611122	138069	Intergenic	NM_001105129	srebf1	6.700267273	4.946322992	1.75394428	8.97E-05

peak_37159	chr8	54643353	54643799	50300	Intergenic	NM_001020700	dbnlb	4.354222696	2.600409359	1.753813337	0.010927
peak_21642	chr9	6842737	6843122	126132	Intergenic	NM_001013320	tmem182	6.389328476	4.63621561	1.753112866	9.19E-05
peak_40948	chr7	37474747	37475188	-310024	Intergenic	NM_001045227	irx5a	6.024921271	4.271826136	1.753095135	0.021117
peak_35102	chr18	33130982	33131668	189579	Intergenic	NM_001045019	tiparp	7.20730276	5.454217856	1.753084905	0.007042
peak_30981	chr14	7050452	7050877	35366	Intergenic	NM_001111226	hbegfa	6.571108244	4.81804476	1.753063484	0.002605
peak_13747	chr18	49652677	49654785	11733	Intergenic	NM_001001729	rap2b	10.90324744	9.150343504	1.752903936	6.80E-07
peak_23654	chr15	21791790	21792189	-123901	Intergenic	NM_001110169_2	zgc:171957	6.855621834	5.103316393	1.75230544	0.000221
peak_28098	chr23	38343472	38343728	90660	Intergenic	NM_001020707	zgc:112994	5.486393692	3.734092306	1.752301386	0.001139
peak_42290	chr10	13010461	13011092	69351	Intergenic	NM_001114892	musk	3.014416083	1.262307636	1.752108448	0.025612
peak_18202	chr6	56109863	56110405	-9243	3' UTR (NM_199742, exon 9 of 9)	NM_001008576_1	tfap2c	7.895126681	6.14303762	1.75208906	1.53E-05
peak_40569	chr6	605254	605763	3373	intron (NM_001114903, intron 2 of 12)	NM_001114903	cyth4b	3.434885166	1.682941363	1.751943803	0.019879
peak_15167	chr9	11462272	11463012	-193449	intron (NM_214787, intron 1 of 9)	NM_130980	wnt10a	8.449804939	6.697895126	1.751909813	2.04E-06
peak_20953	chr15	46898940	46899410	6842	intron (NM_213169, intron 1 of 7)	NM_213169	mpzl3	6.159860497	4.407969877	1.75189062	6.54E-05
peak_33188	chr22	16799931	16800571	22044	intron (NM_001127185, intron 41 of 43)	NM_001007760	pdzk1ip1l	9.07586618	7.324075828	1.751790352	0.00459
peak_40091	chr5	65206389	65206783	146210	Intergenic	NM_178287	sepw1	5.979527054	4.227793675	1.751733379	0.018286
peak_23863	chr23	12684927	12685746	-125408	Intergenic	NM_001077368	snx21	5.775420206	4.023714682	1.751705524	0.000243
peak_30835	chr6	10064161	10064835	116571	Intergenic	NM_213026	sucla2	4.810385827	3.058887962	1.751497865	0.002516
peak_43009	chr7	41083584	41084102	26892	Intergenic	NM_001099238	zgc:158564	6.783437445	5.03194604	1.751491405	0.028672
peak_31959	chr23	45400264	45400468	124	exon (NM_001009916_2, exon 1 of 3)	NM_001009916_2	tfr2	4.995851639	3.244360579	1.751491059	0.003395
peak_24776	chr5	6599369	6599693	-77378	Intergenic	NM_201588_1	pxna	5.570876996	3.819441995	1.751435	0.000356
peak_40493	chr11	46279438	46280233	-11105	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	6.81646845	5.065081127	1.751387323	0.019568
peak_25637	chr14	32551783	32552248	24686	Intergenic	NM_001007287	fhl1a	6.008582688	4.257399211	1.751183476	0.000486
peak_17608	chr21	43353169	43354380	-39615	Intergenic	NM_001031843	fstl4	8.503681487	6.752598949	1.751082539	1.07E-05
peak_16135	chr5	36276814	36277660	-42714	Intergenic	NM_001114845	hexa	9.567599891	7.816560916	1.751038974	4.10E-06
peak_38078	chr15	2616658	2616997	7338	intron (NM_131769, intron 1 of 7)	NM_131769	cldnj	5.89503432	4.144036415	1.750997904	0.012945
peak_18942	chr24	6461225	6461886	-2478	Intergenic	NM_131774	anxa13	7.08554672	5.334670861	1.750875858	2.29E-05
peak_31738	chr12	21725293	21726209	-200	promoter-TSS (NM_001004661)	NM_001004661	aqp8a.1	7.780534737	6.029683228	1.750851509	0.003209
peak_38745	chr24	90540	91529	46021	Intergenic	NM_001045561	zgc:152808	6.863206682	5.112635103	1.750571579	0.014585
peak_19809	chr15	24843261	24844218	15067	intron (NM_200405, intron 6 of 14)	NM_200405	hif1al	8.405532888	6.655150401	1.750382487	3.68E-05
peak_24284	chr14	42150949	42151217	-22842	Intergenic	NM_173260	taf7	5.718790515	3.968733498	1.750057017	0.000291
peak_24593	chr20	9822945	9823816	-41445	Intergenic	NM_001030250	ptger2b	8.059023871	6.309036591	1.74998728	0.000329
peak_21660	chr2	55774946	55775382	-64985	Intergenic	NM_201465	calr3b	5.899092613	4.149372874	1.749719739	9.24E-05
peak_22855	chr18	1400975	1401521	-203259	Intergenic	NM_198912	pepd	7.310995162	5.561353991	1.749641171	0.000158
peak_16834	chr21	14419057	14419628	3126	intron (NM_131840, intron 1 of 10)	NM_131840	tnfrsfa	8.572328427	6.822800282	1.749528146	6.44E-06
peak_35368	chr21	39939097	39939479	67774	Intergenic	NM_001076712	bod1	5.548917696	3.799399117	1.749518579	0.007444
peak_43553	chr24	23244678	23245331	119466	Intergenic	NM_199680	zc2hc1a	4.00478143	2.255273747	1.749507683	0.031018
peak_38322	chr17	31878300	31878960	278	intron (NM_213295, intron 1 of 8)	NM_213295	fam175b	4.102952214	2.353473226	1.749478987	0.013569
peak_40932	chr12	43939461	43939934	342941	Intergenic	NM_001080602	ebf3	3.152152513	1.402722361	1.749430153	0.021082
peak_28815	chr7	61572938	61573239	-82673	Intergenic	NM_001130770	zgc:194930	6.066269949	4.316843676	1.749426274	0.001426
peak_40563	chr13	21857833	21858129	-29673	Intergenic	NM_198981	sprn	5.30822336	3.558817654	1.749405705	0.019838
peak_39094	chr17	14919212	14919536	-48813	Intergenic	NM_200350	ero1l	3.48887231	1.739481116	1.749391194	0.015514
peak_42197	chr7	46218832	46219031	-155081	Intergenic	NM_001128778	zgc:194678	5.152734615	3.403357594	1.749377021	0.025306
peak_32204	chr2	6590399	6590793	-80	promoter-TSS (NM_001017821)	NM_001017821	rgs5b	5.954907105	4.205923635	1.74898347	0.003595
peak_35770	chr3	48285128	48285395	31055	Intergenic	NM_201010	qtrt1	5.252657886	3.503848168	1.748809718	0.008155
peak_18756	chr13	53520698	53521506	-100371	Intergenic	NM_213270	lycat	7.679561543	5.931068364	1.748493178	2.06E-05
peak_31834	chr8	35788067	35789456	-79997	Intergenic	NM_001003742	hpdb	4.251504061	2.50326896	1.7482351	0.003297
peak_30925	chr23	20102053	20102617	-97974	Intergenic	NM_200027	rpl10	6.752909676	5.005178835	1.747730841	0.00257
peak_14342	chr22	16758978	16760070	1967	5' UTR (NM_213237, exon 2 of 4)	NM_213237	tal1	9.255108804	7.507471218	1.747637585	1.10E-06
peak_18802	chr9	47320255	47320866	-179514	Intergenic	NM_001039358	hdac4	8.45395625	6.706504289	1.747451961	2.12E-05
peak_33652	chr19	40837697	40838160	-148459	Intergenic	NM_213278	sfpq	5.455102635	3.707877644	1.747224991	0.005098
peak_33134	chr5	24957432	24957746	-10755	exon (NM_001166334, exon 6 of 7)	NM_001005586	plp1b	5.602070526	3.85486415	1.747206376	0.00454
peak_41102	chr13	26812007	26812432	-115619	Intergenic	NM_212982	fancl	3.088808875	1.341793669	1.747015206	0.02172
peak_35828	chr13	18824887	18825903	58856	intron (NM_001190757, intron 15 of 15)	NM_001145606	lzts2a	3.958780025	2.211783167	1.746996858	0.008249
peak_26449	chr3	31654183	31654600	-83189	Intergenic	NM_200658	ccdc43	6.132470626	4.385635989	1.746834637	0.00064
peak_22963	chr10	20584119	20584752	33770	Intergenic	NM_001002211	ppapdc1b	8.004121462	6.257317834	1.746803628	0.000167
peak_31037	chr13	41171693	41171970	-133031	Intergenic	NM_001037688	hps1	5.987192641	4.24044087	1.74675177	0.002647
peak_16275	chr11	44487740	44489097	81	promoter-TSS (NM_214686)	NM_214686	sult6b1	10.17340555	8.426705766	1.746699781	4.49E-06
peak_29416	chr13	31811928	31812545	-15354	Intergenic	NM_201105	six6a	8.25222531	6.505537835	1.746687474	0.001713
peak_42371	chr16	49719293	49719526	-5202	exon (NM_213356, exon 11 of 11)	NM_001003549	lamtor2	4.934498529	3.187844599	1.746653929	0.025929
peak_44013	chr20	3007360	3007595	24174	intron (NM_001161601, intron 8 of 8)	NM_001161601	amd1	3.353084575	1.606593419	1.746491156	0.033013
peak_40264	chr17	52699612	52700123	-79422	Intergenic	NM_194386	tgfb3	3.733765494	1.987480894	1.746284601	0.01882
peak_21645	chr14	14346939	14347387	89483	intron (NM_001002180, intron 1 of 15)	NM_001002180	mgat4b	6.426940927	4.680727339	1.746213588	9.20E-05
peak_37983	chr4	53957441	53957877	-358011	Intergenic	NM_001109740	zgc:173619	3.878664214	2.132584471	1.746079743	0.012715
peak_20541	chr4	45881364	45882071	-536357	Intergenic	NM_001128355	LOC794656	7.418839211	5.672960561	1.74587865	5.41E-05
peak_34324	chr22	20249134	20249461	80636	intron (NM_001130788, intron 2 of 10)	NM_001130788	celf5a	6.221696597	4.475913544	1.745783053	0.005943
peak_15349	chr8	56153129	56153967	-2409	Intergenic	NM_205697	plxnd1	9.386067609	7.640908669	1.745158939	2.34E-06
peak_26378	chr12	48208941	48209527	17174	exon (NM_198072_1, exon 18 of 31)	NM_198072_1	mtr	6.530205497	4.785551881	1.744653616	0.000628
peak_20745	chr16	8321478	8322049	80602	Intergenic	NM_199560	nt5c3a	8.032839114	6.288223621	1.744615493	5.97E-05
peak_39105	chr20	20588763	20589184	16890	Intergenic	NM_207095	six1b	6.032666307	4.288202572	1.744463735	0.015549
peak_37725	chr8	56142266	56142733	-13458	Intergenic	NM_205697	plxnd1	6.30377737	4.559488636	1.744288734	0.012098
peak_18454	chr7	4418538	4419138	-85253	Intergenic	NM_001045001	slc12a10.2	7.603314748	5.859232318	1.74408243	1.74E-05
peak_17156	chr5	41741888	41742348	93459	Intergenic	NM_001100034	si:dkey-193c22.1	8.295231396	6.551439934	1.743791462	7.78E-06
peak_43877	chr17	51579614	51580001	66952	intron (NM_200464, intron 27 of 36)	NM_200464	aqr	2.646715745	0.902938058	1.743777686	0.032467
peak_29329	chr10	14992614	14993033	-34590	Intergenic	NM_001290015	smad2	6.06232729	4.318571195	1.743756095	0.001678
peak_26020	chr15	44974820	44975153	2493	intron (NM_001162527, intron 1 of 1)	NM_001162527	LOC100151049	5.284097602	3.540343904	1.743753698	0.000553
peak_29212	chr3	2684699	2684963	-104716	Intergenic	NM_001002544	polr2f	5.455603729	3.711873846	1.743729884	0.001615
peak_31948	chr4	7674250	7674700	-84077	Intergenic	NM_130937	wnt5b	5.334134011	3.590406976	1.743727035	0.003381
peak_37850	chr17	49862048	49862986	-44761	Intergenic	NM_001278851	shroom3	7.192914141	5.449544829	1.743369313	0.012411
peak_24331	chr19	40771126	40771916	-214866	Intergenic	NM_213278	sfpq	7.802019123	6.058650069	1.743369054	0.000296
peak_22225	chr9	43383301	43383805	107956	Intergenic	NM_001004010	calcrla	8.466788553	6.723866948	1.742921605	0.00012
peak_36493	chr17	45984063	45984345	8535	Intergenic	NR_029933		5.913432374	4.170527671	1.742904703	0.009529
peak_23436	chr20	51276194	51276655	-64649	intron (NM_001172400, intron 8 of 24)	NM_001177747	mpp5b	6.904446213	5.161581211	1.742865001	0.000201
peak_16813	chr24	33792384	33793196	-5009	Intergenic	NM_001009912	rdh12l	8.122467586	6.379729316	1.74273827	6.34E-06
peak_29200	chr9	2081459	2081768	69832	Intergenic	NM_199480	lnpa	4.786638878	3.043995827	1.742643051	0.001608
peak_29484	chr24	40585750	40586017	-148401	Intergenic	NM_205554	atp6v0cb	5.755569195	4.013192909	1.742376286	0.001747
peak_39982	chr21	40640832	40641250	-41693	Intergenic	NM_001077326	gabra1	6.078071659	4.335857655	1.742214004	0.017986
peak_22771	chr7	56108700	56108910	-38877	Intergenic	NM_001077575	trip4	5.820948015	4.079138439	1.741809576	0.000152
peak_35833	chr1	5184373	5184830	76928	Intergenic	NM_001256242	gtf3c3	6.494721185	4.753083312	1.741637853	0.008264
peak_34610	chr14	11813740	11814463	-108127	Intergenic	NM_001105590	zgc:174917	3.496684491	1.75513965	1.741544841	0.006331
peak_17794	chr9	34187751	34188300	-43	promoter-TSS (NM_200610_1)	NM_200610_1	dopey2	7.639021844	5.897598381	1.741423463	1.20E-05
peak_40832	chr4	47730961	47731515	51752	Intergenic	NM_001115109	zgc:175008	3.753556765	2.012318603	1.741238162	0.020657
peak_18785	chr17	1150818	1151551	-29153	intron (NM_001281801, intron 7 of 11)	NM_001002412	zfyve19	7.249627125	5.508426278	1.741200846	2.09E-05
peak_27694	chr25	19933194	19933454	169	exon (NM_001017570, exon 1 of 3)	NM_001017570	cart2	4.860571419	3.119683927	1.740887492	0.00099
peak_25948	chr18	18081121	18081372	16045	3' UTR (NM_199787, exon 7 of 7)	NM_199787	n4bp1	5.444509808	3.703892329	1.740617479	0.00054
peak_39255	chr21	102448	102988	15050	Intergenic	NM_001110480	klhl8	5.588830594	3.848266175	1.740564419	0.015986
peak_28784	chr4	17430967	17431332	53794	Intergenic	NM_001006066	cradd	6.480250286	4.73972818	1.740522106	0.001412
peak_31874	chr22	12805375	12805637	27632	intron (NM_131610, intron 3 of 11)	NM_131610	adarb1a	5.457606365	3.718099088	1.739507277	0.003331
peak_22526	chr16	17873076	17873494	-105515	Intergenic	NM_153650	has2	6.97602826	5.236814521	1.739213739	0.000136
peak_31044	chr5	74774019	74774581	60518	Intergenic	NM_001003993	ak1	6.256130616	4.516959396	1.73917122	0.002648
peak_37529	chr24	17229789	17230474	134020	intron (NM_001271670, intron 14 of 18)	NM_001271670	sema5a	4.430753926	2.691585723	1.739168203	0.011729
peak_17048	chr11	38989689	38990253	56285	Intergenic	NM_001034175	etnk2	7.837241489	6.098148301	1.739093188	7.23E-06
peak_35440	chr9	57065536	57065822	3641	intron (NM_200822, intron 1 of 7)	NM_200822	gpr143	5.434855515	3.695904447	1.738951068	0.007557
peak_32761	chr1	29719950	29720245	25164	intron (NM_001045236, intron 1 of 10)	NM_001045236	dachc	5.541856033	3.802975778	1.738880256	0.004137
peak_37767	chr25	30180940	30181321	35427	Intergenic	NM_001003488	pkmb	5.627694885	3.888831285	1.738863601	0.012204
peak_29034	chr6	53227564	53227871	-1491	Intergenic	NM_001100138	rbm5	5.464124857	3.725684623	1.738440234	0.001526

peak_17972	chr22	40163495	40163956	171959	Intergenic	NM_213118	sox2	7.581158617	5.843042559	1.738116058	1.34E-05
peak_23693	chr4	59626173	59626598	-27488	Intergenic	NM_001199134	ptprb	7.113674535	5.375622201	1.738052334	0.000225
peak_33082	chr24	31384699	31385091	34896	Intergenic	NM_199753	cnn3a	5.788628921	4.050723362	1.737905559	0.004478
peak_28488	chr9	29788272	29788607	61539	Intergenic	NM_001044784	zgc:162780	6.257568138	4.519927096	1.737641042	0.001284
peak_42017	chr20	15355577	15355847	185367	Intergenic	NM_200805	prdx6	6.265036928	4.527523523	1.737513405	0.024744
peak_31620	chr14	25972571	25972881	139499	Intergenic	NM_001007160	pde6a	5.445994213	3.708527565	1.737466648	0.003097
peak_30894	chr2	50299730	50300322	-76107	Intergenic	NM_214709	wdr48	6.661201531	4.924006462	1.737195069	0.002549
peak_36655	chr10	36116071	36116405	15871	intron (NM_001020552, intron 2 of 4)	NM_001020552	zgc:110006	5.181599935	3.444446641	1.737153293	0.009835
peak_31162	chr6	48113230	48113510	17827	exon (NM_201202, exon 7 of 15)	NM_201202	phc2b	5.047406821	3.310259251	1.73714757	0.002731
peak_28858	chr21	3205404	3205857	-5689	Intergenic	NM_213302	hnrnpabb	6.297329543	4.560273524	1.737056019	0.001448
peak_18632	chr8	54406365	54408113	-37431	intron (NM_131296, intron 4 of 12)	NM_001118893	vps13a	9.423615206	7.686957868	1.736657338	1.92E-05
peak_30052	chr9	39719466	39719684	-17605	intron (NM_001128277, intron 5 of 12)	NM_212968	heg	5.660306983	3.923717761	1.736589222	0.002052
peak_33536	chr6	56218197	56218700	99071	Intergenic	NM_001008576_1	tfap2c	7.162164885	5.425703635	1.73646125	0.004956
peak_27967	chr2	2983165	2983528	13625	intron (NM_001256634, intron 1 of 32)	NM_001256634	rock1	5.802922716	4.066600082	1.736322634	0.001093
peak_39922	chr12	399356	399636	43527	Intergenic	NM_001081440	hs3st3l	4.813516677	3.077292808	1.736223869	0.017787
peak_33512	chr8	14593076	14593398	4192	exon (NM_001002639, exon 2 of 5)	NM_001002639	dedd	5.477538878	3.741462266	1.736076612	0.004938
peak_32109	chr25	3759981	3760426	26137	Intergenic	NM_001013298	prnprs3	5.12961071	3.393608107	1.736002603	0.00351
peak_19207	chr13	23151141	23151988	-3542	Intergenic	NM_213252	hk1	9.029759427	7.294036267	1.73572316	2.65E-05
peak_13796	chr21	8304920	8305929	34	promoter-TSS (NM_001076741)	NM_001076741	esm1	10.44618032	8.710546841	1.735633475	7.06E-07
peak_22772	chr3	21990973	21991426	-257975	Intergenic	NM_201449	cdc27	7.387082051	5.651502944	1.735579107	0.000152
peak_28696	chr2	5597221	5597421	6397	intron (NM_001130622, intron 1 of 10)	NM_001291344	slc1a7a	4.541856033	2.806353759	1.735502274	0.001368
peak_17401	chr7	58224125	58224810	-125905	Intergenic	NM_001077165	senp8	7.913705928	6.178461753	1.735244175	9.13E-06
peak_21456	chr4	30922966	30924559	-405691	intron (NM_001114900_1, intron 5 of 10)	NM_001114894	zgc:174653	7.512586482	5.777403248	1.735183234	8.36E-05
peak_37102	chr24	513607	514099	16592	intron (NM_001083003, intron 7 of 11)	NM_001083003	lancl2	5.374534629	3.639505471	1.735029158	0.010783
peak_18721	chr21	43232731	43233980	34570	Intergenic	NM_200581	ammecr1	8.717595908	6.982582125	1.735013783	2.02E-05
peak_32647	chr11	35311764	35312118	97788	Intergenic	NM_001037377	pfkfb4	5.827954283	4.092943631	1.735010652	0.004027
peak_33646	chr17	10946494	10946744	-76255	intron (NM_001258228, intron 10 of 10)	NM_214731	dact1	5.701125064	3.966165148	1.734959916	0.00509
peak_40542	chr21	3800938	3801564	-111882	Intergenic	NM_175082	smad7	7.142638199	5.40774956	1.734888638	0.019763
peak_16743	chr14	26481477	26482602	-32988	Intergenic	NM_001003758	thoc3	9.820830726	8.086056145	1.734774581	6.10E-06
peak_35340	chr22	31095979	31098472	237023	Intergenic	NM_001013572	si:dkeyp-34c12.1	4.6900456	2.955383827	1.734661774	0.00738
peak_17208	chr2	31929609	31930181	50267	Intergenic	NM_200070	fam49ba	8.076927443	6.342374393	1.73455305	8.02E-06
peak_21708	chr8	39267929	39268608	137693	Intergenic	NM_001042766	pdlim2	7.55104315	5.816648081	1.734395069	9.43E-05
peak_28795	chr16	32509565	32509869	39225	intron (NM_001199365, intron 1 of 18)	NM_001199365	sema6e	6.002039684	4.267817353	1.734222331	0.001415
peak_37662	chr15	2246789	2247029	65703	intron (NM_212947, intron 3 of 10)	NM_212947	rsrc1	5.593873361	3.859728774	1.734144587	0.011963
peak_30032	chr3	48536506	48536835	25956	intron (NM_001079978, intron 1 of 5)	NM_001079978	zgc:158309	5.918893628	4.184794233	1.734099396	0.002041
peak_29430	chr10	16835027	16835373	53782	Intergenic	NM_001163654	slc12a2	6.331936375	4.597912812	1.734023563	0.001721
peak_22447	chr1	45753872	45754268	-40191	Intergenic	NM_001256730	emp1	7.057034331	5.323041196	1.733993135	0.000133
peak_19986	chr2	25417097	25417596	-109281	Intergenic	NM_001159832	fndc3ba	6.871690872	5.13772599	1.733964882	4.09E-05
peak_30316	chr19	46966140	46967156	7087	intron (NM_213240, intron 6 of 10)	NM_213240	dusp16	7.190649607	5.456708074	1.733941534	0.002204
peak_21395	chr19	13584585	13584997	2355	exon (NM_200256, exon 2 of 7)	NM_200256	slc25a32a	7.053884233	5.320084322	1.733799911	8.14E-05
peak_26390	chr25	642734	643137	-11539	Intergenic	NM_001098393	zgc:162740	6.983886115	5.250099652	1.733786462	0.00063
peak_38143	chr20	17910924	17911242	125062	Intergenic	NM_131081	cdh2	4.446023636	2.712533414	1.733490222	0.013115
peak_32208	chr18	39056118	39056405	-5629	Intergenic	NM_198146	akt2	5.568099124	3.834953256	1.733145868	0.003598
peak_23999	chr11	38506614	38507131	10920	intron (NM_001040385, intron 8 of 8)	NR_030659		6.30933272	4.576326771	1.733005948	0.000256
peak_27490	chr5	2200467	2200760	88446	Intergenic	NM_001020688	vkorc1l1	6.009948009	4.277294629	1.73265338	0.000923
peak_36410	chr17	26789323	26789712	-12497	Intergenic	NM_001002634	nipal3	5.586087111	3.853621556	1.732465554	0.009357
peak_34266	chr24	38075030	38075292	102678	Intergenic	NM_001002675	ccr10	4.7428742	3.010542785	1.732331415	0.005859
peak_21470	chr22	24630382	24630831	-78556	Intergenic	NR_029937		7.781634241	6.049413023	1.732221218	8.41E-05
peak_38593	chr22	28137933	28138362	-291425	Intergenic	NM_001083852	wu:fu71h07	3.277877455	1.545693443	1.732184012	0.014202
peak_27135	chr4	43450092	43451239	-1730872	Intergenic	NM_001114884	zgc:174696	6.703236541	4.971211733	1.732024808	0.000813
peak_22978	chr7	21681940	21683390	976	intron (NM_131601, intron 4 of 9)	NM_131601	slc3a2a	8.480912983	6.749281866	1.731631117	0.000167
peak_16472	chr16	20733136	20733695	-198265	Intergenic	NM_199736	slc6a19b	8.273600294	6.542413239	1.731187055	5.16E-06
peak_15601	chr17	51308053	51309291	-20883	intron (NM_001256215, intron 12 of 15)	NM_001002063	stxbp6	10.52594713	8.794994792	1.730952339	2.79E-06
peak_29686	chr18	35637676	35638106	38255	intron (NM_001139480, intron 5 of 7)	NM_212775	tbcb	6.1930644	4.46220261	1.730861789	0.001856
peak_41286	chr20	41117982	41118344	317167	Intergenic	NM_001100023	si:dkey-233p4.1	6.231402722	4.500556371	1.730846351	0.022283
peak_23351	chr20	48769231	48769541	692	intron (NM_001012260, intron 1 of 5)	NM_001012260	xrg5	6.206541326	4.475939926	1.730601401	0.000194
peak_34804	chr15	20165146	20165511	-48872	Intergenic	NM_200296	usf1	4.397697102	2.667407813	1.730289289	0.00656
peak_25491	chr2	26806394	26806942	2247	intron (NM_001256603, intron 1 of 9)	NM_001256603	asph	7.462226842	5.731973147	1.730253695	0.000462
peak_21368	chr8	29667792	29668277	-80697	Intergenic	NM_001004123	grid2	6.640791967	4.91061541	1.730176557	8.00E-05
peak_25632	chr11	35458685	35459282	15638	intron (NM_001080079, intron 1 of 9)	NM_001080079	mapkapk3	7.411360262	5.681189888	1.730170374	0.000485
peak_37750	chr15	338603	339046	-115767	Intergenic	NM_131034	gbas	5.956303497	4.226380707	1.729922791	0.012156
peak_38106	chr10	17837182	17837500	92256	Intergenic	NM_212588	slc20a1b	3.542799588	1.812919078	1.729880509	0.013005
peak_33927	chr1	60271550	60271749	1918	intron (NM_200788, intron 1 of 8)	NM_200788	rdh8b	5.097825209	3.368012179	1.72981303	0.005444
peak_17856	chr3	19229652	19230076	-39568	Intergenic	NM_001007316	s1pr5a	7.797579125	6.06777342	1.729805705	1.25E-05
peak_33028	chr5	26005164	26005575	-2750	Intergenic	NM_131822	znf703	5.433838629	3.704042238	1.729796391	0.004429
peak_20208	chr2	10535763	10536379	-21978	Intergenic	NM_001020776	gfi1aa	8.101361322	6.371659958	1.729701364	4.61E-05
peak_27599	chr1	42591769	42592069	-70317	Intergenic	NM_001159372	ctnna2	5.627250145	3.897578694	1.729671451	0.000959
peak_25213	chr8	28410278	28410537	2092	intron (NM_001002445, intron 1 of 4)	NM_001002445	rhoad	5.65287205	3.923205611	1.729666439	0.000418
peak_22474	chr9	51247488	51248039	-82271	Intergenic	NM_001017644	slc38a11	7.536641608	5.807449317	1.729192291	0.000134
peak_25262	chr6	52999245	52999738	1466	intron (NM_199788, intron 2 of 2)	NM_199788	fam212ab	7.525917307	5.796733564	1.729183744	0.000427
peak_13885	chr23	39189608	39190678	144075	Intergenic	NM_001080609	sall4	9.752629352	8.023577021	1.729052331	7.61E-07
peak_22445	chr6	22167671	22168270	100489	Intergenic	NM_200704	aanat1	7.098787912	5.369843501	1.72894441	0.000132
peak_31990	chr1	43011283	43011559	349185	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	5.016415696	3.287665571	1.728750125	0.003421
peak_37931	chr4	56635546	56635794	460710	intron (NM_001114585, intron 8 of 15)	NM_001114585	zgc:174944	4.275608918	2.546971183	1.728637736	0.012579
peak_34402	chr15	19623409	19623664	69403	intron (NM_131403, intron 3 of 4)	NM_131403	tpst1	6.011652845	4.283090537	1.728562308	0.00606
peak_32122	chr20	33116934	33117509	96559	intron (NM_001044807, intron 25 of 52)	NM_001044807	nbas	4.849130417	3.120575323	1.728555094	0.003519
peak_21078	chr8	18011874	18012364	23727	intron (NM_130935, intron 1 of 6)	NM_130935	skia	6.97076922	5.242441386	1.728327834	6.97E-05
peak_43805	chr11	35208905	35209282	166712	Intergenic	NM_001045355	tmem44	4.423600265	2.695493175	1.72810709	0.032212
peak_43931	chr24	20824428	20824736	-1551	Intergenic	NM_001177492	LOC100334155	5.114458812	3.386380701	1.728078111	0.032681
peak_32180	chr2	12970778	12971402	75695	Intergenic	NM_201139	kdsr	7.25552163	5.527626847	1.727894783	0.00357
peak_17798	chr3	49541587	49542402	-91705	Intergenic	NM_212985	metrnl	8.44127657	6.713389381	1.727887189	1.21E-05
peak_41049	chr15	35123079	35123489	-77650	Intergenic	NM_001017614	rhbdd1	4.111880861	2.384008176	1.727872685	0.021497
peak_34286	chr1	651899	652697	-2299	intron (NM_201027, intron 1 of 11)	NM_001100157	cd247	7.284951954	5.557181819	1.727770135	0.005885
peak_18966	chr7	14371726	14372535	-37353	Intergenic	NM_001099248	ankdd1a	8.259350471	6.531601221	1.72774925	2.33E-05
peak_37432	chr9	52105177	52105488	319853	Intergenic	NM_001020575	fign	6.228783833	4.501184808	1.727599026	0.011511
peak_42412	chr5	46088536	46088890	26674	Intergenic	NM_001111220	gas1a	5.355234589	3.627987963	1.727246626	0.026088
peak_20898	chr23	13154564	13155775	-130048	Intergenic	NM_001282089	ndnl2	7.834830395	6.107720511	1.727109883	6.40E-05
peak_24039	chr5	6566638	6567701	54719	Intergenic	NM_001013333	zgc:110796	8.759388229	7.032481145	1.726907084	0.000262
peak_43350	chr4	4560032	4560796	64816	Intergenic	NM_001080651	creb3l2	6.705567892	4.978802443	1.726765449	0.030227
peak_37708	chr18	17143533	17143804	919	exon (NM_200984, exon 1 of 1)	NM_200984	foxl1	4.911220758	3.184636862	1.726583896	0.012055
peak_18299	chr14	50537763	50538373	-287547	Intergenic	NM_001031842	fstl5	7.516073892	5.789561516	1.726512376	1.61E-05
peak_33783	chr9	46544535	46545448	126225	Intergenic	NM_001099232	zgc:165571	7.067089982	5.340739443	1.726350539	0.005242
peak_36451	chr18	28736806	28737081	-44041	Intergenic	NM_131515	spon1a	5.608844195	3.88255754	1.726286654	0.009441
peak_37496	chr1	14277066	14277423	291816	Intergenic	NM_001045485	pi4k2b	5.483939468	3.757795782	1.726143686	0.011652
peak_34246	chr12	17377131	17377816	21893	Intergenic	NM_200834	ppp1r3cb	7.322045452	5.595925399	1.726120053	0.005834
peak_30538	chr11	41742525	41742872	-62039	Intergenic	NM_001077733	znf362a	4.784247197	3.058260121	1.725987076	0.00233
peak_16254	chr1	12202947	12204122	-47662	Intergenic	NM_001115058	pcdh18a	8.209161249	6.483185374	1.725975874	4.42E-06
peak_42441	chr23	38499357	38499840	246658	Intergenic	NM_001020707	zgc:112994	6.050063769	4.3247324	1.725331369	0.026202
peak_42886	chr4	6686	7048	-9706	Intergenic	NM_182882	msgn1	4.803316476	3.078031201	1.725285275	0.028085
peak_22050	chr1	33601496	33602115	-153756	Intergenic	NR_030517		7.651566898	5.926331204	1.725235694	0.000111
peak_28265	chr22	10168860	10169169	-7463	Intergenic	NM_001114905	zgc:174564	5.127133121	3.402183722	1.724949399	0.001196
peak_40695	chr7	13682315	13682879	23420	intron (NM_001081691, intron 4 of 8)	NM_001103197	cx36.7	7.270609102	5.545686411	1.724922691	0.020213
peak_30693	chr3	2226976	2227419	-1324	Intergenic	NM_001083857	LOC792433	6.260422161	4.535755342	1.724666819	0.002422
peak_25601	chr8	17184947	17186123	8435	exon (NM_001077805, exon 3 of 24)	NM_001077805	osbpl9	8.525969994	6.801558262	1.724411731	0.00048
peak_33811	chr13	39374275	39374667	3531	intron (NM_001077317, intron 2 of 7)	NM_001077317	zgc:153049	5.991345769	4.267174184	1.724171585	0.005269

peak_39250	chr7	72547572	72548179	13647	intron (NM_200899, intron 4 of 5)	NM_200899	myoz2a	6.678261539	4.954144209	1.724117329	0.015968
peak_19009	chr8	27693392	27694595	22604	Intergenic	NM_001126417	si:ch211-156j16.3	8.611782718	6.887784811	1.723997907	2.39E-05
peak_20837	chr4	38991230	38992523	-389901	Intergenic	NM_001109839	zgc:173617	7.287479139	5.563547551	1.723931588	6.22E-05
peak_22183	chr2	56337313	56338870	6308	Intergenic	NM_001128342	jund	9.403061272	7.679162948	1.723898324	0.000118
peak_35109	chr21	18995180	18995437	-46915	Intergenic	NM_201171	dusp4	5.265322777	3.541536668	1.723786109	0.007054
peak_19123	chr11	22600500	22601085	-143161	Intergenic	NM_001199491	foxp4	8.241197789	6.517733513	1.723464276	2.54E-05
peak_27871	chr24	9690210	9690547	8354	intron (NM_212721, intron 3 of 4)	NM_212721	cdv3	5.839157386	4.11578803	1.723369356	0.001055
peak_18678	chr4	4549906	4550323	75116	Intergenic	NM_001080651	creb3l2	7.608738132	5.885424035	1.723314096	1.97E-05
peak_23539	chr7	4303920	4304334	-7546	Intergenic	NM_200993	zgc:55733	6.017114627	4.293987484	1.723127143	0.00021
peak_36932	chr10	29067292	29067776	-4884	Intergenic	NM_001007351	btg3	4.320379652	2.597634716	1.722744936	0.010405
peak_40968	chr6	55811604	55811909	119394	Intergenic	NM_001089458	cyp24a1	4.939522573	3.21678116	1.722741413	0.021163
peak_20197	chr7	67921707	67922215	8018	Intergenic	NM_212949	pth1b	7.761058548	6.038673704	1.722384844	4.58E-05
peak_22360	chr6	11209291	11209679	48495	Intergenic	NM_001083031	atg9a	6.944718081	5.222419714	1.722298367	0.000128
peak_18787	chr14	27517505	27518049	-10483	Intergenic	NM_131368	smad5	8.248675089	6.526453709	1.72222138	2.10E-05
peak_16588	chr9	53033560	53034825	-120541	Intergenic	NM_001076600	tank	9.695967119	7.97375198	1.722215139	5.55E-06
peak_27761	chr3	62586095	62587605	162154	Intergenic	NM_001105129	srebf1	8.060749262	6.338781357	1.721967905	0.001018
peak_28285	chr23	19882648	19883150	4177	exon (NM_200177, exon 5 of 9)	NM_200177	slmapb	7.248454002	5.526502614	1.721951388	0.001204
peak_16875	chr24	25965529	25966174	92	promoter-TSS (NM_001002642)	NM_001002642	camk2n2	8.495154886	6.773230664	1.721924222	6.59E-06
peak_30224	chr11	23875071	23875459	-24302	Intergenic	NM_212732	mdm4	6.904089823	5.182301057	1.721788765	0.002156
peak_16727	chr17	14904111	14904962	-33975	Intergenic	NM_200350	ero1l	8.13215263	6.410406166	1.721746464	6.05E-06
peak_16479	chr3	58502937	58503524	22369	Intergenic	NM_001040041	lgals3bpa	8.758364292	7.03686661	1.721497683	5.19E-06
peak_39712	chr23	43603134	43603630	-19708	Intergenic	NM_001004647	tgm2a	6.037379929	4.31593849	1.721441439	0.017167
peak_35120	chr17	32495523	32495811	80116	Intergenic	NM_001077604	klf11b	6.043745509	4.322492071	1.721253439	0.007068
peak_39767	chr22	39537967	39538323	-794	promoter-TSS (NM_201294)	NM_201294	b3gnt7	5.33794409	3.616769461	1.72117463	0.0173
peak_27487	chr1	21445142	21445518	16352	Intergenic	NM_181757	anxa5b	6.699197402	4.978234403	1.720962998	0.000922
peak_34482	chr7	27092592	27093050	46115	intron (NM_201124, intron 1 of 14)	NM_201124	arrb2b	5.750677468	4.029773721	1.720903747	0.006172
peak_28426	chr17	33682531	33682970	-18202	Intergenic	NM_205577	pth2	7.286220209	5.565414104	1.720806105	0.001259
peak_23519	chr7	10401476	10402547	222870	Intergenic	NM_001044745	aldh1a3	8.233019764	6.512463886	1.720555878	0.000208
peak_26344	chr5	96819	97226	1956	intron (NM_001034985, intron 2 of 14)	NM_001034985	dcc	5.678930464	3.958757276	1.720173189	0.00062
peak_17225	chr3	56373152	56374377	2872	exon (NM_001099252, exon 2 of 12)	NM_001099252	tex2	8.080753989	6.360715337	1.720038652	8.15E-06
peak_18729	chr24	31640847	31641569	-37647	Intergenic	NM_001013562	ptbp2a	8.49679912	6.776772888	1.720026232	2.03E-05
peak_40918	chr22	5286179	5286767	-245638	Intergenic	NM_001111175	zgc:171566	3.817420708	2.097445519	1.719975188	0.021017
peak_20046	chr17	45862602	45863306	38793	Intergenic	NM_001161375	arf6b	8.203859474	6.484031225	1.719828249	4.24E-05
peak_38166	chr8	34995927	34996239	-89651	Intergenic	NM_131616	pbx3b	5.072490541	3.35266995	1.719820591	0.013189
peak_32121	chr3	46328724	46329427	88938	Intergenic	NM_001017690	snrnp25	6.654195124	4.934430651	1.719764473	0.003518
peak_28659	chr25	33717929	33718226	16528	intron (NM_001123047, intron 28 of 29)	NM_130970	isl2a	5.545155778	3.825761357	1.719394421	0.001352
peak_21393	chr25	2860602	2862448	139508	Intergenic	NM_213305	scamp2	8.905185482	7.185986283	1.719199199	8.13E-05
peak_42028	chr9	35760752	35761085	52797	Intergenic	NM_001159670	tslpr	6.036040335	4.316865934	1.719174401	0.024787
peak_20205	chr19	47532448	47532876	16182	intron (NM_001177934, intron 2 of 7)	NM_001177934	trps1	7.051068537	5.331982035	1.719086502	4.60E-05
peak_25579	chr7	5034913	5035433	-67910	Intergenic	NM_001109844	si:dkey-28d5.13	6.723387437	5.004391852	1.718995585	0.000477
peak_19477	chr1	12135757	12136221	-9033	Intergenic	NM_212571	pcdh10a	7.721617785	6.002688109	1.718929676	3.05E-05
peak_23064	chr2	51727814	51728210	32924	Intergenic	NM_001017613	abhd4	6.161397164	4.442968082	1.718429082	0.000174
peak_39017	chr11	46160917	46161680	-31402	intron (NM_001077304, intron 3 of 11)	NM_199576	srsf11	5.924376527	4.206161249	1.718215278	0.015304
peak_21149	chr11	42262340	42263069	-44123	Intergenic	NM_001039628	tas1r3	8.824943123	7.106893409	1.718049714	7.22E-05
peak_41681	chr15	29565527	29565922	26114	intron (NM_001113485, intron 2 of 11)	NM_001113485	nlk2	6.022874244	4.304977795	1.717896449	0.023569
peak_18383	chr3	59317373	59317992	-6380	Intergenic	NM_001122620	zgc:171489	7.389182028	5.671497219	1.717684809	1.68E-05
peak_25085	chr23	35978590	35979088	8765	intron (NM_131339, intron 1 of 7)	NM_131339	rarga	6.772595988	5.055161885	1.717434102	0.0004
peak_30502	chr14	746685	747789	-8525	intron (NM_212882, intron 8 of 12)	NM_001130593	tlr1	7.071683107	5.354613245	1.717069863	0.002313
peak_39918	chr2	45495317	45495866	70393	Intergenic	NM_200438	gpsm2	6.724818917	5.007777882	1.717041036	0.017752
peak_39935	chr19	5280557	5281242	-15598	Intergenic	NM_001128549	LOC799704	4.457135164	2.740126114	1.71700905	0.017834
peak_22872	chr2	59624956	59626354	6854	intron (NM_212882_1, intron 7 of 9)	NM_001130633	prkab2	7.751890055	6.034964361	1.716925694	0.000159
peak_30867	chr22	40754706	40755190	27132	intron (NM_001102639, intron 6 of 9)	NM_001102639	acap2	6.337928234	4.621140808	1.716787426	0.002536
peak_31138	chr2	46602121	46602414	-159528	Intergenic	NM_201020_1	gpc1b	6.114458812	4.397827862	1.71663095	0.002716
peak_29688	chr25	4707448	4707899	-142595	Intergenic	NM_001080181	gnb5a	6.517994378	4.801828107	1.716166271	0.001857
peak_40761	chr12	48731898	48732306	28299	Intergenic	NM_001017704	grem2	4.931619771	3.215612959	1.716006812	0.020428
peak_24966	chr17	19779761	19780720	-49230	Intergenic	NR_030652		8.096450908	6.380500057	1.715950851	0.000382
peak_43755	chr15	44031748	44032045	135630	Intergenic	NR_023326		4.539967071	2.82419743	1.715769641	0.032005
peak_25922	chr19	40915249	40915651	-70937	Intergenic	NM_213278	sfpq	6.142811937	4.427201258	1.715610679	0.000537
peak_19114	chr18	11583681	11584483	-12241	Intergenic	NM_001177933	fgd4a	9.091051783	7.375454587	1.715597196	2.53E-05
peak_23975	chr14	2195454	2196467	33299	exon (NM_001013264, exon 3 of 5)	NM_001013264	fgf18a	8.826165942	7.110846482	1.71531946	0.000254
peak_35972	chr25	1608914	1609621	-41375	Intergenic	NM_001077455	ppm1h	5.994472906	4.279189659	1.715283247	0.008485
peak_33578	chr16	56305551	56306031	31213	Intergenic	NM_001017568	azin1a	6.209532659	4.49432614	1.715206519	0.005001
peak_26734	chr3	22909762	22910139	210828	Intergenic	NM_001128744	cyb561	6.220500532	4.505756836	1.714743696	0.000711
peak_24080	chr18	39007741	39008153	-2319	TTS (NM_198146)	NM_001044959	si:ch211-132b12.7	7.256553635	5.541873765	1.71467987	0.000266
peak_40666	chr1	49308724	49309039	423277	Intergenic	NM_001115060	cxcl-c1c	3.648470066	1.93401679	1.714453276	0.02013
peak_33498	chr7	55109723	55110047	3247	intron (NM_001008635, intron 1 of 11)	NM_001008635	csnk1g1	4.678930464	2.964839418	1.714091047	0.004915
peak_39325	chr12	3761279	3762006	-36441	Intergenic	NM_201478	col1a1b	6.039406491	4.32578942	1.713617071	0.016119
peak_23106	chr5	12161662	12161946	-210764	Intergenic	NM_203478_1	rtn4r	5.61336857	3.899924878	1.713443692	0.000177
peak_42714	chr8	54457672	54458029	50864	intron (NM_131296, intron 3 of 12)	NM_131296	tcf7l1b	4.25841321	2.544989525	1.713423685	0.027333
peak_42713	chr6	57423968	57424242	2434	intron (NM_001002869, intron 3 of 20)	NM_001002869	ddx27	4.25841321	2.544989525	1.713423685	0.027333
peak_22652	chr4	6518753	6519698	-3781	Intergenic	NM_001114883	cald1b	8.076592212	6.363204333	1.713387879	0.000145
peak_21905	chr21	5757739	5758302	-1737	Intergenic	NM_001017672	wdr38	7.009074919	5.295782707	1.713292212	0.000104
peak_43119	chr8	40961052	40961874	-355043	Intergenic	NM_001083829_1	pcsk5b	3.166915653	1.453857079	1.713058575	0.02911
peak_40328	chr7	30615015	30615609	13402	intron (NM_001007405, intron 3 of 5)	NM_001123064	dapk2	6.591340879	4.878444191	1.712896688	0.019015
peak_15932	chr4	17981380	17981969	25848	intron (NM_199533, intron 1 of 7)	NM_199533	rap1b	8.364387165	6.651616596	1.712770569	3.59E-06
peak_35888	chr12	28945116	28945491	-87945	Intergenic	NM_001002450	meox1	5.249771591	3.537445769	1.712325822	0.008341
peak_38757	chr8	17189045	17190366	4265	intron (NM_001077805, intron 2 of 23)	NM_001077805	osbpl9	3.275608918	1.563397704	1.712211214	0.014629
peak_22433	chr9	47405892	47406449	210361	Intergenic	NM_131069	cx43.4	7.661706502	5.949728309	1.711978193	0.000132
peak_22472	chr9	30057371	30057959	15113	Intergenic	NM_199594	tmem177	6.848367416	5.136407505	1.71195991	0.000134
peak_24191	chr10	32445141	32445528	7862	intron (NM_131482, intron 1 of 26)	NM_131482	robo3	6.241334625	4.529408557	1.711926068	0.00028
peak_24927	chr19	32467438	32467882	38767	Intergenic	NM_001045124	meox2b	6.716713891	5.00486979	1.711844101	0.000377
peak_40808	chr25	37720898	37721336	233557	Intergenic	NM_213100_1	irx3b	5.828341271	4.116659486	1.711681785	0.020592
peak_41454	chr5	73980370	73981143	39917	Intergenic	NM_001017876_1	fsip1	6.529757424	4.818231933	1.711525491	0.02279
peak_31221	chr5	49477914	49478553	279998	Intergenic	NM_001013453	ccnh	4.715422541	3.003966117	1.711456424	0.002781
peak_28734	chr3	59956152	59956745	25004	Intergenic	NM_212936	nptx1l	6.61920825	4.907753988	1.711454262	0.001386
peak_16669	chr23	8785657	8786379	-93	promoter-TSS (NM_001130639)	NM_001130639	rgs19	8.450814303	6.739520415	1.711293888	5.81E-06
peak_29297	chr3	35457881	35458259	-33373	Intergenic	NM_001003873	rbbp6	6.595225106	4.883940902	1.711284204	0.001663
peak_19799	chr4	9015939	9016477	42438	intron (NM_001045158, intron 6 of 39)	NM_001045158	sbf1	7.300688379	5.589452819	1.71123556	3.65E-05
peak_21081	chr11	13756204	13756765	40166	Intergenic	NM_001122626	sc:d149	7.454594056	5.743539744	1.711054312	6.97E-05
peak_38393	chr20	20520625	20521092	-36129	Intergenic	NM_131717	six4b	6.688140383	4.977203997	1.710936386	0.013771
peak_32824	chr24	1063458	1063869	27184	Intergenic	NM_001020636	zgc:111976	4.310441227	2.599528712	1.710912515	0.004194
peak_42573	chr4	22004028	22004398	14462	intron (NM_001122611, intron 1 of 21)	NM_001122611	magi2	3.298135349	1.587289192	1.710846158	0.026738
peak_38320	chr19	49138788	49139233	43461	intron (NM_173223, intron 1 of 4)	NM_173223	sdc2	6.514872289	4.804072521	1.710799768	0.013558
peak_39776	chr1	34130427	34130920	989	intron (NM_207062, intron 1 of 5)	NM_207062	klf12a	6.366798504	4.656038875	1.710759629	0.017333
peak_33326	chr22	33746193	33746449	2616	intron (NM_001110518, intron 1 of 14)	NM_001110518	cand2	5.375064497	3.664460777	1.71060372	0.004728
peak_14201	chr16	39488133	39488795	-19743	Intergenic	NM_200078	cited4b	9.662807694	7.952340619	1.710467075	9.86E-07
peak_22867	chr23	13899331	13899821	52818	Intergenic	NM_213334	naa10	6.516568263	4.806166801	1.710401461	0.000158
peak_28646	chr24	39287609	39288882	-14587	intron (NM_001030270, intron 8 of 11)	NM_001077741	telo2	8.004972588	6.294644873	1.710327716	0.001348
peak_26651	chr1	993556	993831	15846	exon (NM_131617, exon 19 of 21)	NM_001002502	n6amt1	5.841459819	4.131210597	1.710249222	0.000686
peak_40683	chr16	8506515	8506772	92032	Intergenic	NM_200335	med18	2.880158125	1.170066917	1.710091208	0.020196
peak_39955	chr24	5412624	5413027	95352	Intergenic	NM_001089464	plod2	6.653103267	4.943070263	1.710033004	0.017907
peak_37052	chr7	20750628	20750894	7010	intron (NM_001105130, intron 7 of 9)	NM_001105130	oxa1l	5.717955351	4.007973162	1.709982189	0.010664
peak_40087	chr11	35686491	35686972	-59739	intron (NM_001001818, intron 1 of 8)	NM_001079988	fam212aa	5.994817712	4.285174049	1.709643664	0.018278
peak_26748	chr14	37073794	37074010	39170	Intergenic	NM_001005983	tmem144b	5.104870153	3.395504032	1.709366121	0.000714
peak_34472	chr20	37180342	37180696	-139111	Intergenic	NM_001013546	cx23	6.254098871	4.544805105	1.709293766	0.006149

peak_29890	chr15	19622693	19623162	70012	intron (NM_131403, intron 3 of 4)	NM_131403	tpst1	7.38233821	5.673071789	1.70926642	0.001964
peak_40537	chr10	22965687	22966042	-6493	Intergenic	NM_205670	tmem88a	5.071837003	3.362623992	1.709213011	0.01975
peak_34988	chr22	15778782	15779190	8536	Intergenic	NM_131127	lpl	6.337144356	4.628036302	1.709108054	0.006849
peak_33127	chr15	2362042	2362364	-48840	intron (NM_212947, intron 6 of 10)	NM_001105110	hephl1	5.647618758	3.938897855	1.708720903	0.004536
peak_40956	chr18	24664453	24664748	-38709	Intergenic	NM_001045011	rgma	5.548917696	3.840222328	1.708695367	0.021134
peak_19516	chr17	11605968	11606655	-303111	intron (NM_001037400, intron 9 of 11)	NM_001030187	psma3	7.987625816	6.27895297	1.708672846	3.13E-05
peak_16033	chr15	8838462	8839295	-64146	Intergenic	NM_213155	ap2s1	8.805567042	7.09691259	1.708654452	3.86E-06
peak_40972	chr23	42504458	42504961	-26075	intron (NM_001127473, intron 2 of 3)	NM_001190760	slc1a7b	6.432835871	4.724234113	1.708601759	0.021195
peak_22812	chr16	47076932	47077529	-57518	Intergenic	NM_001123063	dpys	7.943636418	6.23525131	1.708385109	0.000155
peak_17640	chr20	23438518	23439157	-10369	intron (NM_001044846, intron 6 of 7)	NM_001044803	slc10a4	7.993265432	6.285087512	1.70817792	1.09E-05
peak_28423	chr14	9688194	9688814	6019	intron (NM_001079991, intron 2 of 2)	NM_001079991	atoh8	7.0958885	5.387821034	1.708067466	0.001258
peak_27168	chr1	38349793	38350205	187506	intron (NM_001145602, intron 4 of 11)	NM_001145602	si:ch211-15e22.3	6.243964697	4.536071951	1.707892746	0.000824
peak_25554	chr24	13652426	13652905	113142	Intergenic	NM_001007066	trpa1b	7.001535036	5.293729183	1.707805853	0.000473
peak_43086	chr18	36321062	36321378	203944	intron (NM_001114715, intron 5 of 11)	NM_001099255	si:dkeyp-86e4.1	2.871171366	1.163564482	1.707606884	0.028954
peak_21544	chr15	47228248	47228924	74757	Intergenic	NR_030402		7.529386565	5.821818396	1.707568169	8.74E-05
peak_22239	chr6	24225465	24226155	-55950	Intergenic	NM_001024224	cygb2	6.520644849	4.813172882	1.707471966	0.000121
peak_14998	chr10	46383818	46384594	7813	Intergenic	NM_200547	purbb	9.023632362	7.316182058	1.707450304	1.80E-06
peak_19688	chr11	37894672	37895064	-90910	Intergenic	NM_203484	cacna1da	6.780628893	5.073227517	1.707401376	3.45E-05
peak_27899	chr8	10312107	10312530	68181	intron (NM_001123320, intron 26 of 27)	NM_001123320	gripap1	5.99997995	4.292582258	1.707397692	0.001065
peak_18861	chr24	3160205	3160896	4	promoter-TSS (NM_212751)	NM_212751	fam69c	9.096094072	7.388716203	1.707377869	2.19E-05
peak_25585	chr18	44706415	44707091	55710	Intergenic	NM_131299	foxa3	6.860916653	5.153669252	1.707247401	0.000478
peak_33957	chr12	49526469	49527416	1112	intron (NM_001017610, intron 2 of 5)	NM_001017610	ascc1	7.198621714	5.491468587	1.707153127	0.00548
peak_33585	chr9	46788914	46789166	39997	Intergenic	NM_001002736	asb1	5.455102635	3.747996549	1.707106087	0.005008
peak_39618	chr5	45758447	45758710	-206746	Intergenic	NM_001005932	tars	4.106785545	2.400158211	1.706627334	0.01692
peak_33162	chr20	6691261	6691575	51263	Intergenic	NM_001171033	si:ch211-191a24.	4.731284458	3.024742509	1.70654195	0.004567
peak_29953	chr6	25873186	25873643	-149278	Intergenic	NM_001037227	dzip1l	6.112217263	4.405705379	1.706511884	0.001998
peak_18573	chr24	11380961	11381715	-103139	intron (NM_205728, intron 4 of 14)	NM_213449	prpf4bb	7.783237847	6.076777528	1.70646032	1.85E-05
peak_43771	chr12	49409991	49410462	11778	intron (NM_198811, intron 1 of 18)	NM_198811	pald1a	6.92617493	5.21992147	1.706253461	0.032085
peak_36178	chr2	3136073	3136409	45488	intron (NM_001113597, intron 13 of 15)	NM_001002189	bambib	6.227869883	4.521978167	1.705891716	0.008889
peak_21619	chr10	44821246	44821778	154035	Intergenic	NM_214688	vcanb	7.833277528	6.127802693	1.705474835	9.08E-05
peak_35469	chr11	40552497	40553193	-116283	Intergenic	NM_001040387	wnt4a	7.644202989	5.938928245	1.705274743	0.007598
peak_41623	chr19	36374496	36374749	47304	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	5.338487567	3.63323481	1.705252756	0.023374
peak_18828	chr8	3228727	3229354	-22950	Intergenic	NM_001040010	lhx2b	8.123492828	6.418376178	1.70511665	2.16E-05
peak_19512	chr10	45944969	45945332	164388	Intergenic	NM_001134725	adrbk2	6.89113901	5.186136241	1.705002768	3.12E-05
peak_24545	chr2	35490527	35491252	42023	Intergenic	NM_001020770	ankrd45	8.16676711	6.461874231	1.704892879	0.000323
peak_38548	chr7	4434749	4435718	-68858	Intergenic	NM_001045001	slc12a10.2	5.169972384	3.465146081	1.704826303	0.014101
peak_24424	chr3	41953657	41954364	41729	Intergenic	NM_130971	lfng	6.776022169	5.071334576	1.704687593	0.000307
peak_35273	chr2	49748715	49748946	147307	Intergenic	NM_001089323	abhd17aa	4.703658466	2.998984044	1.704674422	0.007291
peak_24033	chr3	46483081	46483572	588	exon (NM_001115104, exon 2 of 5)	NM_001115104	si:ch211-66e2.3	7.14156679	5.437216443	1.704350348	0.00026
peak_38632	chr13	24630466	24630792	4311	intron (NM_001007161, intron 1 of 5)	NM_001007161	rab1a	6.353922569	4.650080585	1.703841984	0.014288
peak_35982	chr10	29264327	29264681	-201854	Intergenic	NM_001007351	btg3	6.588171875	4.884502109	1.703669766	0.008498
peak_22435	chr24	11348174	11348703	-70239	intron (NM_205728, intron 7 of 14)	NM_213449	prpf4bb	7.772590122	6.069329561	1.703260561	0.000132
peak_29619	chr4	58234305	58234540	91323	Intergenic	NM_001113632	zgc:175107	4.994472906	3.291365366	1.703107539	0.001811
peak_33939	chr16	40803227	40803637	-7	promoter-TSS (NM_200570)	NM_200570	selenbp1	7.125689387	5.422741697	1.70294769	0.005457
peak_32134	chr15	17109023	17109414	-2966	Intergenic	NM_001008629	pih1d2	4.569951633	2.867289021	1.702662612	0.003527
peak_31879	chr21	6160771	6161238	103686	Intergenic	NM_212591	cdk9	6.875451736	5.173263321	1.702188415	0.003335
peak_26473	chr7	73652516	73652852	235673	Intergenic	NM_001115141	dhx15	5.811952101	4.10987276	1.702079342	0.000645
peak_19351	chr15	30085085	30085603	28682	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	7.077095029	5.375361348	1.701733681	2.85E-05
peak_35262	chr24	21540549	21540840	5040	intron (NM_001089343, intron 3 of 4)	NM_001089343	fam162a	5.798166153	4.096931222	1.701234931	0.007278
peak_22068	chr3	26239720	26240460	9443	intron (NM_001040348, intron 1 of 5)	NM_001040348	rab40c	9.019189962	7.318045022	1.70114494	0.000112
peak_32385	chr17	49203481	49203953	99861	Intergenic	NM_001256221	LOC553223	7.135766604	5.434683522	1.701083082	0.003768
peak_28501	chr6	59368464	59368911	-8077	Intergenic	NM_001033751	fam210b	7.713876985	6.013047538	1.700829447	0.00129
peak_17413	chr9	57529623	57530576	98200	Intergenic	NM_001017557	Sep-10	8.774354449	7.073546479	1.70080797	9.21E-06
peak_35581	chr7	76685634	76686357	13866	intron (NM_001076619, intron 7 of 9)	NM_001076619	btr12	6.687500603	4.986725835	1.700774768	0.00781
peak_25920	chr4	30466931	30467420	520747	intron (NM_001114900_1, intron 9 of 10)	NM_001114702	zgc:174710	6.052053274	4.351294195	1.700759079	0.000536
peak_39667	chr3	37267796	37268164	-124617	Intergenic	NM_001024223	mlx	6.234634996	4.534554658	1.700080337	0.017038
peak_21863	chr6	27656815	27657214	-43231	Intergenic	NM_001080177	amotl2a	7.034522021	5.334460524	1.700061496	0.000102
peak_37806	chr14	18248110	18248525	33255	intron (NM_001166332, intron 1 of 4)	NM_001166332	nlgn3a	4.122091483	2.422049265	1.700042218	0.012298
peak_27639	chr22	39534348	39534755	-4388	Intergenic	NM_201294	b3gnt7	7.31376971	5.613972767	1.699796943	0.000972
peak_31247	chr12	25703710	25704137	132836	Intergenic	NM_199874	asb3	5.803710127	4.104492301	1.699217826	0.002806
peak_19653	chr20	52317062	52317991	145719	Intergenic	NM_001045274	taf1a	7.74666083	6.047797474	1.698863356	3.39E-05
peak_21587	chr6	39540604	39540972	20756	Intergenic	NM_001025549	atf7b	6.216071136	4.517315728	1.698755408	8.95E-05
peak_33288	chr7	62309729	62310182	127209	intron (NM_213147_1, intron 14 of 14)	NM_213147_1	acox3	5.869624243	4.171081938	1.698542304	0.004683
peak_22076	chr15	22166963	22167427	-239183	Intergenic	NM_001003748	sgcg	6.85466122	5.156258134	1.698403086	0.000112
peak_28028	chr23	39367943	39370826	14897	Intergenic	NM_001045224	bmf1	10.39649152	8.698097689	1.698393834	0.001113
peak_19848	chr23	2970375	2970937	45091	Intergenic	NM_001089467	zgc:158828	6.67870335	4.98045835	1.698245	3.76E-05
peak_16349	chr5	45334115	45334889	-32990	Intergenic	NM_001126415	si:dkey-40c11.1	9.573632458	7.875474225	1.698158234	4.74E-06
peak_41381	chr6	24815483	24816241	534102	Intergenic	NM_001024224	cygb2	3.275608918	1.577539342	1.698069576	0.022575
peak_42344	chr6	44048596	44049086	43702	intron (NM_001080600, intron 10 of 11)	NM_001080600	shq1	6.802899742	5.104931815	1.697967927	0.0258
peak_25297	chr4	60185367	60186283	-60302	Intergenic	NM_201580	nup50	8.140930182	6.443000304	1.697929877	0.000432
peak_42618	chr18	47800389	47800764	84119	Intergenic	NM_001080167	ppp1r37	4.624552827	2.926868271	1.697684555	0.026927
peak_34629	chr9	53250967	53251381	-337523	Intergenic	NM_001076600	tank	6.04439246	4.346847497	1.697544964	0.006351
peak_40515	chr25	15862670	15863388	-142020	Intergenic	NM_131517	spon1b	6.746371612	5.048916972	1.69745464	0.019647
peak_18215	chr16	23969724	23970599	198	5' UTR (NM_001045039, exon 2 of 7)	NM_001045039	si:ch211-154o6.6	8.126110463	6.428954146	1.697156317	1.54E-05
peak_27962	chr2	51847432	51848029	-58032	Intergenic	NM_001083878	LOC100003983	5.742439633	4.045466681	1.696972952	0.001091
peak_28958	chr4	46053459	46053957	-364366	Intergenic	NM_001128355	LOC794656	4.902426009	3.205519137	1.696906871	0.001493
peak_30673	chr19	48576302	48576748	76163	Intergenic	NM_001012369	ext1b	5.193665276	3.496833042	1.696832234	0.002411
peak_26680	chr13	2903388	2903788	-38593	Intergenic	NM_131567	prph2b	6.340930681	4.644161595	1.696769086	0.000696
peak_15391	chr13	36490214	36490763	-38623	Intergenic	NM_214759	lgmn	8.496376569	6.79963068	1.696745889	2.40E-06
peak_29788	chr21	18702146	18702610	41397	Intergenic	NM_001020614	eri1	6.389313175	4.692653707	1.696659467	0.001911
peak_37034	chr11	7909466	7909888	-353305	Intergenic	NM_213367	eltd1	6.425662711	4.72901087	1.696651841	0.010629
peak_39601	chr4	38556413	38556750	-372108	Intergenic	NM_001114900	zgc:174708	4.454070667	2.75761156	1.696459107	0.016883
peak_27266	chr6	19673181	19673534	-8675	Intergenic	NM_213364	p4hb	5.665081128	3.968867849	1.696213279	0.000854
peak_24289	chr13	37539149	37539832	101403	Intergenic	NM_174862	esr2b	7.756676023	6.060663785	1.696012237	0.000292
peak_28630	chr7	40556732	40557099	-1647	Intergenic	NM_131070	mdka	6.795979847	5.099973257	1.69600659	0.001344
peak_43695	chr3	33850185	33850620	-153404	Intergenic	NM_001017609	alkbh7	2.342286181	0.646338197	1.695947984	0.031681
peak_35471	chr18	10138554	10138837	887	TTS (NM_001128576)	NM_001128576	lepa	6.033002106	4.337085361	1.695916745	0.007603
peak_43762	chr7	61798882	61799265	-39002	Intergenic	NM_001005985	rwdd	5.700279607	4.004408168	1.695871439	0.032042
peak_42493	chr3	42484375	42484793	-31062	Intergenic	NM_001109869	kdm8	5.917075506	4.22124491	1.695830596	0.026389
peak_39501	chr11	19624587	19625025	45376	intron (NM_001257196, intron 22 of 29)	NM_001257196	adamts9	7.061165711	5.3657031	1.695462611	0.016634
peak_41063	chr21	19638598	19638894	39756	Intergenic	NM_001077150	oxct1b	4.23284803	2.537465366	1.695382664	0.021553
peak_33053	chr3	7473850	7474251	-363740	Intergenic	NM_001105127	zgc:173577	5.787856449	4.092623137	1.695233313	0.004453
peak_41244	chr14	42567174	42567527	-42	promoter-TSS (NM_001080567)	NM_001080567	drp2	5.448543158	3.753432482	1.695110676	0.022164
peak_32099	chr2	54234257	54234657	28286	intron (NM_200690, intron 5 of 16)	NM_200690	ranbp3b	4.546567647	2.851588536	1.69497911	0.003506
peak_33679	chr9	5713590	5713839	-189084	Intergenic	NM_001128670	pdzk1	5.798561212	4.103605935	1.694955277	0.005126
peak_39537	chr22	26108443	26108890	-15653	Intergenic	NM_001144808	si:dkeyp-98a7.10	5.431293272	3.736689122	1.69460415	0.016723
peak_34725	chr23	3415772	3416069	7635	Intergenic	NM_131015	mafba	6.080347896	4.385828387	1.694519509	0.006455
peak_42269	chr12	45112496	45113049	-336084	Intergenic	NM_001110011_1	dock1	7.188230766	5.493818781	1.694411986	0.025521
peak_36628	chr13	12746849	12747234	76792	intron (NM_001145584, intron 34 of 83)	NM_001145584	si:ch211-233a24.	3.280142431	1.585947729	1.694194702	0.009789
peak_44006	chr6	38414665	38415121	-289377	Intergenic	NM_001007318	ube3a	5.779028222	4.084940328	1.694087895	0.032967
peak_18503	chr9	39891646	39892318	111176	Intergenic	NM_001105135	tas2r3	7.481965904	5.787900344	1.69406556	1.78E-05
peak_27935	chr11	41047760	41048020	-357112	Intergenic	NM_001002073	vamp3	5.227576515	3.533631176	1.693945339	0.001082
peak_16434	chr2	54618634	54619957	-133457	Intergenic	NM_001017676	capsla	9.034731635	7.340875671	1.693855964	5.02E-06
peak_23498	chr1	236089	236905	-7692	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	6.932318996	5.238469038	1.693849958	0.000207
peak_26055	chr19	43553676	43554937	-27389	Intergenic	NM_001104526	trioa	9.501220874	7.807409154	1.69381172	0.000561

peak_16552	chr14	14016905	14017460	-15792	Intergenic	NM_001159584	itln3	8.816508681	7.122851999	1.693656682	5.43E-06
peak_28105	chr10	32028863	32029198	159025	Intergenic	NM_153654	pknox2	5.902426009	4.20900394	1.693422069	0.001142
peak_38219	chr4	57116178	57116797	-20107	Intergenic	NM_001114585	zgc:174944	4.99171148	3.298473132	1.693238348	0.013319
peak_26687	chr18	27905751	27906247	30252	intron (NM_001080159, intron 2 of 14)	NM_001080159	hipk3b	6.598444856	4.905433902	1.693010954	0.000697
peak_22765	chr14	50892454	50893113	-86269	Intergenic	NM_001002065_1	ppid	6.658118983	4.965109156	1.693009826	0.000151
peak_42169	chr3	34612222	34612474	34250	intron (NM_198911, intron 1 of 10)	NM_198911	sept9a	3.238682765	1.545693443	1.692989322	0.02522
peak_33864	chr14	26318461	26318932	-81434	Intergenic	NR_030143		7.390631634	5.697654739	1.692976896	0.00535
peak_28133	chr13	46713966	46714215	-31024	Intergenic	NM_213133	marcksl1a	5.830661017	4.137862965	1.692798051	0.001153
peak_41087	chr2	59624150	59624480	5514	TTS (NM_001130633)	NM_001130633	prkab2	4.435901315	2.743179774	1.692721541	0.021661
peak_34057	chr20	50443295	50443677	78344	Intergenic	NM_001002384	cpsf2	5.780628893	4.088110234	1.692518659	0.005593
peak_33473	chr5	43684220	43684743	-26356	Intergenic	NM_001013272	ubb	6.254658064	4.562347155	1.692310909	0.00489
peak_35058	chr14	16051003	16051496	-619468	Intergenic	NM_001045428	rab33a	5.796166148	4.103920982	1.692245167	0.006952
peak_38988	chr13	371635	372054	-2179	Intergenic	NM_212700	degs1	4.155857485	2.46426242	1.691595066	0.015241
peak_32207	chr10	25157965	25158347	32579	intron (NM_200571, intron 12 of 12)	NM_200571	ilk	5.750677468	4.059156326	1.691521142	0.003598
peak_21194	chr9	39874786	39875842	94508	Intergenic	NM_001105135	tas2r3	8.807150007	7.115787425	1.691362582	7.39E-05
peak_42675	chr7	13556831	13557402	88307	Intergenic	NM_001080696	zgc:158785	7.350550842	5.659318601	1.691232242	0.027191
peak_42817	chr22	10753746	10754078	-1894	Intergenic	NM_001006102	cyb561d2	6.217549113	4.526319001	1.691230112	0.027763
peak_25824	chr20	43355246	43355886	-55276	Intergenic	NM_001044916	unc93a	7.128547913	5.437556809	1.690991103	0.000517
peak_22291	chr14	33781163	33781815	7918	intron (NM_212940, intron 1 of 9)	NM_212940	lnx2b	8.794049456	7.103235939	1.690813517	0.000124
peak_40424	chr23	18068549	18068916	-28265	Intergenic	NM_200446	chia.4	6.909952191	5.219792945	1.690159245	0.019326
peak_24004	chr2	52694259	52694861	-7546	Intergenic	NM_001110836	si:ch211-137c4.4	7.095576403	5.405442249	1.690134154	0.000257
peak_21141	chr20	6268333	6268821	-20620	Intergenic	NM_200938	b4galt6	7.865382303	6.175297856	1.690084447	7.18E-05
peak_23261	chr25	13362015	13362439	-43716	Intergenic	NM_001122702	LOC569861	6.868307572	5.17836231	1.689945262	0.000187
peak_19309	chr7	64553155	64553812	738499	Intergenic	NM_131287	sox17	7.845783729	6.155842602	1.689941127	2.79E-05
peak_33145	chr14	984041	984608	-15082	intron (NM_212882, intron 6 of 12)	NM_001003569	acsl1b	6.66291302	4.973161634	1.689751386	0.004549
peak_29209	chr4	32852283	32853606	-178464	exon (NM_001109867, exon 4 of 4)	NM_001126485	LOC100006564	8.235004164	6.545392081	1.689612083	0.001611
peak_22310	chr20	52541089	52541646	-2433	Intergenic	NM_212701	hlx1	7.78573665	6.096175641	1.689561009	0.000125
peak_42595	chr14	30571881	30572314	-72934	Intergenic	NM_001045414	zgc:153146	2.809602052	1.120232971	1.689369082	0.026845
peak_34497	chr2	45050519	45050889	16465	Intergenic	NM_001020696	alg3	5.716726086	4.02762296	1.689103126	0.006188
peak_29433	chr1	13357991	13358319	18747	Intergenic	NM_198878	rbpja	5.861706133	4.172603394	1.68910274	0.001722
peak_30322	chr17	5348456	5349078	3997	exon (NM_001017887, exon 2 of 4)	NM_001017887	enpp4	7.074967212	5.386317867	1.688649345	0.002209
peak_29570	chr14	17503153	17503533	-26481	Intergenic	NM_001044746	cnga5	6.336312431	4.647769214	1.688543217	0.001795
peak_23721	chr7	12361697	12362162	-160016	Intergenic	NM_001080704	mesdc2	6.645191777	4.956673147	1.68851863	0.000228
peak_42801	chr25	20463535	20464039	26417	Intergenic	NM_001130626	kcna6	5.8009293	4.112610171	1.688319129	0.027689
peak_31703	chr17	8021505	8022045	-30750	Intergenic	NM_001017841	slc18b1	6.606364207	4.918116817	1.68824739	0.003175
peak_40516	chr8	261810	262449	42892	intron (NM_199992, intron 8 of 19)	NM_001017895	commd10	6.169397197	4.481166845	1.688230352	0.019649
peak_43599	chr13	53115244	53115493	127270	Intergenic	NM_001135784	nkx6.2	2.64320069	0.95511259	1.688088101	0.031202
peak_35926	chr4	4996916	4997163	-9224	Intergenic	NM_001045068	ccnd2b	5.775018757	4.086962343	1.688056414	0.008398
peak_22377	chr8	43696109	43696781	10090	Intergenic	NM_001123259	si:ch211-158d24.	6.66401013	4.976186914	1.687823216	0.000129
peak_33110	chr9	44916859	44917113	45793	intron (NM_200921, intron 3 of 5)	NM_200921	ube2e3	5.520884289	3.833281856	1.687602433	0.004522
peak_17916	chr2	836660	838106	33011	Intergenic	NM_131728	foxc1a	8.702438941	7.014942712	1.687496229	1.30E-05
peak_22025	chr20	48178385	48178998	205766	Intergenic	NM_001024665	tfap2b	7.653964082	5.966588463	1.68737562	0.00011
peak_15626	chr8	54124088	54124935	87265	intron (NM_001245969, intron 36 of 43)	NM_001245969	cabin1	9.703256761	8.015936967	1.687319794	2.86E-06
peak_22312	chr13	41317648	41318006	12965	intron (NM_001037688, intron 10 of 18)	NM_001037688	hps1	6.181564593	4.494262406	1.687302187	0.000126
peak_24953	chr20	39127651	39128058	-26	promoter-TSS (NM_214819)	NM_214819	rcan2	6.788032196	5.100793089	1.687239108	0.000381
peak_22026	chr20	54585541	54585960	2757	Intergenic	NM_199993	arf6a	7.168148041	5.481077501	1.687070539	0.00011
peak_18069	chr8	34398919	34399420	17837	intron (NM_001136477, intron 2 of 9)	NM_001136477	mvb12bb	8.841225747	7.154427073	1.686798674	1.42E-05
peak_30429	chr10	28763010	28763408	35772	intron (NM_001281468, intron 3 of 29)	NM_001281468	med13a	6.675050326	4.988693429	1.686356897	0.002272
peak_27354	chr2	17381206	17382232	-167529	intron (NM_001083576, intron 21 of 32)	NM_214785	st3gal3b	5.781428564	4.095131094	1.68629747	0.000878
peak_38760	chr6	59603521	59603927	23301	exon (NM_001080193, exon 13 of 29)	NM_001080193	kdm6al	4.362796846	2.676730817	1.686066029	0.014636
peak_41276	chr24	4270441	4270846	-44051	Intergenic	NM_201461	klf6a	6.247441508	4.561412912	1.686028596	0.022259
peak_27824	chr8	2877349	2877747	-57941	Intergenic	NM_001039998	sh3glb2a	6.295355037	4.609400425	1.685954612	0.001039
peak_15475	chr15	2797425	2798636	-2902	Intergenic	NM_182873	tgfb1a	8.920994871	7.235358929	1.685635941	2.56E-06
peak_22655	chr9	48425590	48426266	455990	Intergenic	NM_001003480	zgc:92380	7.558650107	5.873015656	1.68563445	0.000145
peak_25243	chr2	52138055	52138423	-170366	Intergenic	NM_001122704	si:ch73-52e5.1	6.295931118	4.610540431	1.685390687	0.000423
peak_30831	chr17	50771250	50771519	6708	Intergenic	NM_001122849	acyp1	5.916347615	4.231016809	1.685330806	0.002514
peak_20174	chr17	664292	664795	91281	Intergenic	NM_213316	arhgap11a	7.795094993	6.109797186	1.685297807	4.53E-05
peak_32309	chr4	58211337	58211946	114104	Intergenic	NM_001113632	zgc:175107	6.979168406	5.294197143	1.684971263	0.003699
peak_36996	chr14	22706484	22706963	6042	intron (NM_200543, intron 1 of 10)	NM_200543	stx3a	7.725998046	6.04113078	1.684867266	0.010563
peak_16600	chr9	53823577	53824954	117346	Intergenic	NM_001030165	Mar-04	9.687872288	8.003048975	1.684823313	5.60E-06
peak_34789	chr5	26547534	26547957	3547	exon (NM_212630, exon 5 of 16)	NM_212630	ewsr1b	5.912358934	4.227587039	1.684771896	0.006543
peak_21737	chr15	42870943	42873712	-37609	Intergenic	NM_001099235	zgc:165514	9.864199171	8.17959308	1.68460609	9.58E-05
peak_21845	chr16	42251260	42251806	-14184	Intergenic	NM_182855	tgfbr2	7.870762822	6.186417574	1.684345247	0.000101
peak_22546	chr4	615891	616445	-9764	Intergenic	NM_001114983	sobpb	7.208177786	5.523856766	1.68432102	0.000138
peak_17966	chr3	42069157	42070073	-15631	Intergenic	NM_001162443	snx8a	8.934657291	7.250343141	1.68431415	1.34E-05
peak_25977	chr12	632058	632701	-62336	Intergenic	NM_001202506	LOC791840	6.831251635	5.147041052	1.684210582	0.000546
peak_34221	chr13	3497792	3498215	93136	Intergenic	NM_201129	ncoa4	6.912155101	5.227994253	1.684160848	0.005801
peak_29766	chr6	44736052	44736400	-402944	Intergenic	NM_001256392	pdzrn3b	5.868872007	4.184836701	1.684035305	0.0019
peak_16333	chr2	32169043	32170396	6079	intron (NM_001037237, intron 1 of 22)	NM_001037237	slc4a2a	10.32585215	8.6420614	1.683790749	4.69E-06
peak_34015	chr11	38439625	38439964	-31268	Intergenic	NM_001040385	egfl7	5.635260365	3.951622889	1.683637476	0.00554
peak_20692	chr16	14788930	14789604	225344	Intergenic	NM_001029956	u2af2a	7.342421661	5.658896979	1.683524682	5.84E-05
peak_24938	chr16	55183671	55184043	-149784	Intergenic	NM_001082926	si:ch211-107n13.	6.3766375	4.693148418	1.683489082	0.000379
peak_35004	chr8	10156336	10156892	-41404	Intergenic	NM_001098489	plxna3	4.404980039	2.721594111	1.683385928	0.006871
peak_42331	chr25	18887375	18887689	35239	intron (NM_200118, intron 10 of 11)	NM_200118	poc1b	5.842248838	4.158890987	1.683357851	0.025743
peak_26950	chr4	42388436	42388914	-668882	Intergenic	NM_001114884	zgc:174696	6.620339091	4.937020356	1.683318735	0.000765
peak_26830	chr13	32597253	32597666	-72312	Intergenic	NM_001089444	nt5c1ba	6.281273587	4.598039055	1.683234532	0.000735
peak_35356	chr13	13037605	13038011	117819	Intergenic	NM_131606	fgfr3	4.909027092	3.225991051	1.68303604	0.007424
peak_36991	chr9	42016482	42016749	4236	TTS (NM_131019)	NM_131019	mstnb	5.625915103	3.943047659	1.682867445	0.010555
peak_31656	chr20	9757745	9759703	2557	exon (NM_199649, exon 2 of 2)	NM_199649	zfp36l1b	8.571635159	6.888789685	1.682845474	0.003131
peak_40074	chr23	32714900	32715303	83980	Intergenic	NM_200286	taf8	6.434855515	4.752031781	1.682823734	0.018232
peak_22410	chr4	27381225	27381856	186056	Intergenic	NM_001105586	cerk	7.324129003	5.641495949	1.682633054	0.000131
peak_35835	chr15	36063922	36064405	-120488	Intergenic	NM_001040687	nphs1	6.344993366	4.662425019	1.682568347	0.008268
peak_18073	chr18	7994737	7996166	49059	intron (NM_001128535, intron 10 of 21)	NM_001128535	si:ch211-220f12.	10.3111489	8.629044114	1.682104784	1.42E-05
peak_15816	chr8	28676590	28678077	16416	exon (NM_001077371, exon 6 of 6)	NM_001006663	capza1b	9.195506093	7.513663855	1.681842238	3.30E-06
peak_42687	chr19	28765457	28765965	3828	Intergenic	NM_001004651	ndufs6	5.354728731	3.673139789	1.681588942	0.027238
peak_42520	chr4	61900700	61902446	-8342	Intergenic	NM_001083821	hla-dpa1	6.728591845	5.047162637	1.681429208	0.026502
peak_22222	chr9	43525821	43526257	31312	intron (NM_182872, intron 1 of 9)	NM_182872	tfpia	6.542314126	4.860922697	1.681391429	0.00012
peak_34415	chr4	57151148	57151719	-55053	Intergenic	NM_001114585	zgc:174944	3.812734601	2.131665366	1.681069235	0.006077
peak_39376	chr18	48841779	48842201	14440	intron (NM_001045317, intron 1 of 4)	NM_001045317	mob2b	6.465354945	4.784306945	1.681048	0.016271
peak_27104	chr14	9955975	9956385	-162489	intron (NM_001142584, intron 6 of 9)	NM_213447	tmem129	6.858856622	5.178030036	1.680826586	0.000806
peak_28249	chr3	14738666	14738935	-2770	TTS (NM_001002083)	NM_194374	xpo6	5.89724935	4.216506398	1.680742952	0.001188
peak_36269	chr19	2973520	2973873	3343	intron (NM_200124, intron 2 of 5)	NM_200124	sp4	5.571801766	3.891124161	1.680677605	0.009057
peak_37499	chr15	24612877	24613157	-13305	intron (NM_201345, intron 5 of 10)	NM_001003611	mettl16	5.506418819	3.825741649	1.68067717	0.011656
peak_21061	chr11	2201874	2202653	-21315	intron (NM_200495, intron 6 of 12)	NM_131545	hoxc12b	8.247079731	6.56674635	1.680333381	6.91E-05
peak_42487	chr1	26652909	26653431	-121684	Intergenic	NM_001045258	pspc1	6.248326275	4.568078204	1.680248071	0.026372
peak_27713	chr25	20581367	20581744	-76	promoter-TSS (NM_001002101)	NM_001002101	tnni1al	6.539730777	4.859854041	1.679876736	0.000995
peak_22302	chr11	2698263	2698641	9014	intron (NM_178223, intron 2 of 11)	NM_178223	mapk14b	7.059848032	5.379996092	1.67985194	0.000125
peak_30220	chr1	59398406	59398635	130368	Intergenic	NM_001034182	sid4	4.811952101	3.132549392	1.679402709	0.002154
peak_30817	chr4	33600095	33600544	211088	intron (NM_001114585_1, intron 7 of 12)	NM_001114585_1	zgc:174944	4.94738232	3.267994553	1.679387768	0.002506
peak_21137	chr6	12637010	12637445	126037	Intergenic	NM_001039817	bmpr2a	7.561343399	5.882324446	1.679018953	7.17E-05
peak_36558	chr10	45153565	45153847	21923	intron (NM_131312, intron 2 of 10)	NM_131312	mef2ca	4.530429481	2.851545915	1.678883566	0.009669
peak_41022	chr14	21385577	21385856	227865	Intergenic	NM_152963	fmr1	5.840309062	4.161595981	1.678713081	0.021388
peak_17557	chr2	51790396	51791408	28845	Intergenic	NM_001100439	dad1	8.212958126	6.534391119	1.678567006	1.02E-05
peak_26097	chr17	52004394	52005234	-148705	Intergenic	NM_001012488	zgc:113142	7.015906142	5.337522774	1.678383369	0.000569
peak_22940	chr4	5511001	5511497	-4696	Intergenic	NM_001030114	mrps18a	7.312240737	5.634050944	1.678189793	0.000165

peak_30445	chr22	39694480	39694793	-38152	Intergenic	NM_001272080	acy1	6.149641103	4.47157738	1.678063723	0.002279
peak_33878	chr14	50974689	50975054	-4181	Intergenic	NM_001002065_1	ppid	6.460355459	4.782452761	1.677902698	0.00537
peak_25963	chr2	53860589	53861586	226636	Intergenic	NM_131876	admp	7.593538548	5.915794126	1.677744421	0.000542
peak_17210	chr2	22054286	22055005	-31143	Intergenic	NM_001025174	fam110b	8.826789874	7.149315402	1.677474472	8.04E-06
peak_28021	chr17	3542152	3542458	23121	exon (NM_001030159, exon 8 of 8)	NM_001030159	tmx4	6.142811937	4.465386397	1.677425541	0.001111
peak_26924	chr14	24971619	24971955	-65731	Intergenic	NM_001170740	il4	6.588615497	4.911416335	1.677199162	0.00076
peak_37357	chr19	782055	782361	4761	exon (NM_001004580, exon 3 of 6)	NM_001004580	zgc:92308	5.664239569	3.987073512	1.677166057	0.011332
peak_29877	chr23	33036203	33036664	405312	Intergenic	NM_200286	taf8	6.826405296	5.149266554	1.677138742	0.001957
peak_22774	chr15	39461639	39462376	-91356	Intergenic	NM_131395	mtnr1ba	8.529313174	6.852701459	1.676611716	0.000152
peak_27519	chr13	48897207	48897533	-111050	Intergenic	NM_001098262	zmp:000000113	5.572725943	3.896316275	1.676409668	0.000931
peak_16623	chr21	1640042	1641470	-268395	Intergenic	NM_205605	wdr91	8.773861041	7.09753999	1.676321051	5.66E-06
peak_25789	chr7	76967114	76967996	-54594	Intergenic	NM_199916	ppp1cbl	8.098952978	6.42279272	1.676160258	0.000511
peak_16924	chr1	34103411	34104432	-20618	Intergenic	NM_001045444	lmo7b	9.164125196	7.488020908	1.676104287	6.76E-06
peak_33232	chr8	22506916	22507388	-377648	Intergenic	NM_194404	dffb	4.449046535	2.772944767	1.676101768	0.00463
peak_14853	chr20	238990	240886	282	5' UTR (NM_001039065, exon 1 of 40)	NM_001039065	lama4	10.12436207	8.448268315	1.676093756	1.63E-06
peak_20799	chr13	7448157	7448516	-170342	Intergenic	NM_001037101	hells	6.907390335	5.231341833	1.676048502	6.12E-05
peak_17497	chr8	20236488	20237062	24404	Intergenic	NM_131271	foxd1	8.484311449	6.808323206	1.675988243	9.75E-06
peak_40841	chr20	38748802	38749080	-343	promoter-TSS (NM_001030180)	NM_001030180	uts1	5.648057263	3.972234459	1.675822804	0.020684
peak_35113	chr19	29559987	29560361	217038	Intergenic	NM_001080628	zgc:158604	5.378239627	3.702620496	1.675619131	0.00706
peak_39426	chr7	76726256	76726490	28377	intron (NM_001076724, intron 4 of 10)	NM_001076724	casq1b	3.2869161	1.611321052	1.675595048	0.01638
peak_35771	chr6	44166438	44167075	38107	Intergenic	NM_001110371	ppp4r2b	4.517048459	2.841464809	1.67558365	0.008155
peak_35207	chr14	10668182	10669387	8889	Intergenic	NM_001020648	cysltr1	7.084908519	5.409333603	1.675574916	0.007193
peak_20352	chr3	13333393	13334008	-28885	Intergenic	NR_045224		7.457216485	5.781826471	1.675390015	4.96E-05
peak_27176	chr9	36239421	36240053	-198705	intron (NM_131830, intron 6 of 16)	NM_152886	appb	5.09910867	3.42374737	1.6753613	0.000826
peak_30541	chr11	6711411	6711704	172744	Intergenic	NM_213031	gadd45ba	6.074468411	4.399323232	1.675145179	0.002332
peak_28348	chr1	24905939	24906247	22060	Intergenic	NM_001105703	zgc:171777	6.180049269	4.505327783	1.674721485	0.001229
peak_32050	chr23	33729454	33729791	42207	intron (NM_001004288, intron 2 of 29)	NM_001004288	itga5	6.014376399	4.339814519	1.674561881	0.003472
peak_35633	chr13	14820972	14821274	-16036	Intergenic	NM_131055	flh	5.351501375	3.677070445	1.67443093	0.007898
peak_31693	chr15	34551951	34552425	2562	intron (NM_001080189_1, intron 1 of 18)	NM_001080189_1	zgc:158328	6.526632891	4.852276887	1.674356004	0.003168
peak_40754	chr10	35166578	35166884	46567	intron (NM_001110170_2, intron 4 of 7)	NM_001114706_1	zgc:174193	3.434885166	1.760814577	1.674070589	0.020401
peak_18316	chr5	3685519	3686141	-95026	Intergenic	NM_001008615	hspb1	7.97340624	6.299368033	1.674038207	1.63E-05
peak_34074	chr23	41275345	41275899	-106212	Intergenic	NM_001139458	si:dkey-194e6.1	6.910500568	5.236494909	1.67400566	0.005613
peak_20384	chr23	31250815	31251162	-95293	Intergenic	NM_153665	tbx18	6.629028282	4.955141433	1.673886849	5.05E-05
peak_38417	chr16	46985889	46986313	-5731	Intergenic	NM_001039635	zfpm2a	6.405254598	4.731510443	1.673744155	0.013832
peak_37322	chr15	14271671	14271996	19920	Intergenic	NM_173271	med29	4.002039684	2.328630319	1.673409365	0.011266
peak_29982	chr1	1477694	1478434	9109	exon (NM_131686, exon 10 of 22)	NM_131686	atp1a1a.1	6.554088018	4.880712226	1.673375791	0.002017
peak_29941	chr10	2635151	2635546	26431	Intergenic	NM_001008630	nxnl2	6.216958104	4.543747203	1.673210901	0.001989
peak_35661	chr13	1064566	1064824	37318	Intergenic	NM_001256207	perp	5.736266333	4.063057277	1.673209056	0.00795
peak_30362	chr25	37259737	37260097	-5721	Intergenic	NM_213163	amfr	6.641219702	4.968043621	1.673176082	0.00223
peak_23431	chr6	20730079	20730723	-299748	Intergenic	NM_205740	barhl2	7.063313966	5.390170987	1.673142979	0.0002
peak_22930	chr24	37006681	37007447	21850	Intergenic	NM_213515	ube2v2	8.069725281	6.396651654	1.673073627	0.000163
peak_23534	chr19	14813439	14813795	39135	Intergenic	NM_001045182	serinc2	6.316814759	4.644102052	1.672712707	0.000209
peak_41664	chr15	18075336	18075681	-110597	Intergenic	NM_001110169_1	zgc:171957	5.005466053	3.333087519	1.672378534	0.023487
peak_20003	chr15	14498288	14498889	131	intron (NM_139077, intron 1 of 14)	NM_139077	nek8	8.007794193	6.335542023	1.672252171	4.14E-05
peak_27309	chr7	37999340	37999747	-21378	Intergenic	NR_036681		5.56670818	3.89455757	1.672150611	0.000864
peak_43628	chr19	30939846	30940845	38996	Intergenic	NM_214707	zdhhc18b	4.150843201	2.47875667	1.672086532	0.031358
peak_26841	chr19	4042210	4042963	-98655	Intergenic	NM_131519	edn1	8.358559678	6.686530698	1.67202898	0.000738
peak_20504	chr25	27585970	27586569	16392	Intergenic	NM_001013279	fbxl22	8.061828899	6.389846333	1.671982566	5.30E-05
peak_40479	chr12	7185519	7185872	36319	Intergenic	NM_131003	dkk1b	6.065941806	4.394122542	1.671819263	0.019522
peak_28370	chr25	9498548	9498944	-256587	Intergenic	NM_131385	rag2	5.282968659	3.611203258	1.671765401	0.001235
peak_33094	chr14	17389164	17389580	87490	intron (NM_001044746, intron 4 of 5)	NM_001044746	cnga5	4.597510523	2.925814745	1.671695778	0.004497
peak_29530	chr7	31351440	31351759	22202	Intergenic	NM_130964	isl2b	5.902058395	4.230442801	1.671615593	0.001772
peak_42671	chr13	36512368	36513234	30280	Intergenic	NM_001002084	med6	3.157090365	1.48548354	1.671606825	0.027171
peak_20505	chr13	18950248	18950764	-66255	Intergenic	NM_001145606	lzts2a	8.738532944	7.067026453	1.671506491	5.30E-05
peak_22909	chr6	44450380	44450868	-117342	Intergenic	NM_001256392	pdzrn3b	6.568562475	4.89714452	1.671417955	0.000162
peak_29867	chr16	58256468	58256815	-24533	Intergenic	NM_001077321_1	spag1b	5.645863401	3.974446625	1.671416775	0.001948
peak_25618	chr16	24767705	24768303	95676	Intergenic	NM_001013495	s100t	7.698251131	6.026855959	1.671395172	0.000483
peak_26293	chr7	6079260	6080129	-73800	Intergenic	NM_001130660	zgc:195075	7.574117831	5.903093554	1.671024277	0.000609
peak_25608	chr24	1717618	1717916	258575	Intergenic	NM_001113644_4	zgc:172101	6.04840375	4.377401029	1.671002721	0.000482
peak_24016	chr25	15864452	15864766	-140440	Intergenic	NM_131517	spon1b	5.745745195	4.074761453	1.670983741	0.000258
peak_38924	chr25	26019995	26020963	91757	Intergenic	NM_001142267_1	LOC100216314	3.2869161	1.616091385	1.670824714	0.015053
peak_37233	chr23	4290086	4290434	12844	intron (NM_001014341, intron 8 of 10)	NM_001014341	zgc:113278	4.917096733	3.246514186	1.670582546	0.011078
peak_28294	chr3	24203324	24203670	143321	Intergenic	NM_131115	hoxb1a	6.541620048	4.871077737	1.670542311	0.001205
peak_39001	chr9	45818773	45819006	29301	intron (NM_001137665, intron 2 of 29)	NM_001137665	nckap1	5.129647348	3.459227995	1.670419353	0.015271
peak_18849	chr10	41214335	41214939	-42813	Intergenic	NM_200744	smfn	7.594556028	5.924361112	1.670194916	2.18E-05
peak_41692	chr23	223911	224481	85573	Intergenic	NM_001077296	zgc:153351	6.248326275	4.578146405	1.67017987	0.023605
peak_27916	chr5	32787727	32788008	-113652	Intergenic	NM_001102674	cyb5d2	6.000666855	4.33087105	1.669795805	0.001073
peak_29148	chr4	12629713	12630013	2177	exon (NM_001044820, exon 3 of 13)	NM_001044820	mdm1	5.908661156	4.238941577	1.669719579	0.001584
peak_38317	chr23	15466635	15467003	-25607	Intergenic	NM_001003833	sulf2b	6.076443574	4.406837016	1.669606559	0.013547
peak_23673	chr7	52136900	52137532	-140429	Intergenic	NM_212439	per1b	7.83954138	6.170188384	1.669352996	0.000222
peak_35074	chr8	9333367	9333942	-72106	Intergenic	NM_001075110	otud5a	4.64320069	2.97415873	1.669041961	0.006995
peak_21258	chr22	2422773	2423562	-23767	Intergenic	NM_001100096	si:ch73-138e16.2	6.865859134	5.196961769	1.668897365	7.59E-05
peak_36055	chr24	99718	100045	54868	Intergenic	NM_001045561	zgc:152808	4.924355407	3.255526198	1.668829209	0.008633
peak_26377	chr1	40769968	40770408	113974	Intergenic	NM_200023	zgc:56493	6.054390201	4.385732939	1.668657262	0.000628
peak_26820	chr11	31907895	31908362	193001	Intergenic	NM_001014332	man2b1	8.193369251	6.524730186	1.668639065	0.000734
peak_41949	chr5	7298362	7298663	78152	Intergenic	NM_001077347	stpg2	5.545155778	3.87660279	1.668552988	0.024517
peak_30137	chr5	1430848	1431379	-1894	Intergenic	NM_213037	rnf185	6.396131678	4.727740566	1.668391112	0.002106
peak_20365	chr21	8509572	8510840	204816	Intergenic	NM_001076741	esm1	7.983635685	6.315331837	1.668303848	5.01E-05
peak_36287	chr20	34636210	34636490	58317	Intergenic	NM_001004606	zgc:92470	5.668568554	4.000294954	1.668273601	0.0091
peak_39716	chr14	12016740	12017083	261955	Intergenic	NM_001105523	znf711	3.781005458	2.112884439	1.668121019	0.01718
peak_42648	chr11	41844671	41844940	50244	intron (NM_001080674, intron 2 of 5)	NM_001080674	trim62	2.722150645	1.054120914	1.668029731	0.027052
peak_26916	chr6	17714449	17714992	-284098	Intergenic	NM_131029	ntn1a	6.279859503	4.61214024	1.667719264	0.000759
peak_33845	chr25	32276070	32276451	523	intron (NM_001126392, intron 1 of 2)	NM_001126392	zgc:172145	6.148711754	4.4812845	1.667427254	0.005314
peak_19204	chr7	62484821	62485629	42815	Intergenic	NM_213147	acox3	7.861127855	6.193852742	1.667275113	2.64E-05
peak_33851	chr23	41224835	41225416	-55715	Intergenic	NM_001139458	si:dkey-194e6.1	6.871503119	5.204232687	1.667270432	0.005325
peak_20140	chr23	20744469	20744941	24607	Intergenic	NM_212643	slc35c2	8.269259942	6.602564036	1.666695906	4.45E-05
peak_34335	chr23	24843742	24844001	-13599	Intergenic	NM_001080037	atp13a2	4.069219889	2.402688656	1.666531232	0.005966
peak_43799	chr18	46283386	46283698	-336956	Intergenic	NM_001037706	smtla	4.418468701	2.751985738	1.666482964	0.032192
peak_29004	chr5	12644551	12644859	148743	Intergenic	NM_001020677	zgc:112294	5.61336857	3.946905756	1.666462814	0.001513
peak_20565	chr14	36518182	36518974	-8810	Intergenic	NM_001003412	clint1a	7.762786411	6.096609371	1.66617704	5.51E-05
peak_21087	chr6	33622293	33623083	329	intron (NM_001017640, intron 1 of 9)	NM_001017640	akr1a1b	8.090408955	6.424506959	1.665901996	6.99E-05
peak_40867	chr3	59427898	59428176	86301	Intergenic	NM_001013539	dhrs7ca	4.751061931	3.08535312	1.665708811	0.020774
peak_31104	chr18	2420288	2420643	32521	Intergenic	NM_200034	serp1	5.054701687	3.389023458	1.665678229	0.002688
peak_16612	chr10	25178172	25178778	12260	intron (NM_200571, intron 2 of 12)	NM_200571	ilk	8.740801997	7.075378749	1.665423249	5.63E-06
peak_17540	chr16	41760821	41761459	37012	Intergenic	NM_001159994	gdf6a	8.122857395	6.457710267	1.665147128	1.01E-05
peak_43863	chr2	44673742	44674150	41245	Intergenic	NM_001077340	klhl24a	5.860192982	4.195346221	1.664846761	0.0324
peak_39845	chr19	18194920	18195306	-10748	Intergenic	NM_001126438	leprel4	6.184288172	4.519566118	1.664722055	0.017553
peak_43331	chr14	13250111	13250538	-155059	Intergenic	NM_198360	gria3b	3.981227592	2.316571707	1.664655885	0.03014
peak_37019	chr19	291412	291696	15411	Intergenic	NM_001082978	lingo4a	3.544684847	1.880048805	1.664636043	0.010603
peak_20702	chr11	41311360	41312504	-93070	Intergenic	NM_001002073	vamp3	8.638460591	6.974274506	1.664186085	5.86E-05
peak_22684	chr22	2427385	2428152	-19166	Intergenic	NM_001100096	si:ch73-138e16.2	7.587479511	5.923333665	1.664145846	0.000147
peak_38140	chr19	23645987	23646444	89852	intron (NM_001004287, intron 6 of 16)	NM_001004287	grb10a	5.854460154	4.190763799	1.663696354	0.013104
peak_24403	chr4	15681002	15681423	15773	Intergenic	NM_001013273	caprin2	6.707895481	5.044242483	1.663652998	0.000305
peak_25781	chr5	74744214	74744750	90336	Intergenic	NM_001003993	ak1	7.22346309	5.559956453	1.663506637	0.00051
peak_33527	chr14	1726896	1727242	60153	Intergenic	NM_001024185	pcdh2g13	4.128390782	2.464960053	1.663430729	0.004946

peak_23435	chr11	31905657	31906090	195256	Intergenic	NM_001014332	man2b1	7.273311935	5.609927468	1.663384468	0.000201
peak_25461	chr24	17753799	17754285	-51870	Intergenic	NM_001008734	commd3	8.206922094	6.543670303	1.663251791	0.000459
peak_29255	chr1	42909034	42909691	247126	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	7.362121026	5.698950258	1.663170768	0.001642
peak_30278	chr20	2353835	2354269	94685	Intergenic	NM_001044800	tmem200a	4.969345824	3.306246663	1.663099161	0.00218
peak_34343	chr5	22985449	22985702	-8841	intron (NM_001126404, intron 9 of 9)	NM_001130600	bmp10	5.50545116	3.842531343	1.662919818	0.005976
peak_24469	chr3	52527329	52527888	-203013	Intergenic	NM_001102636_1	zgc:165582	7.208649785	5.546144462	1.662505322	0.000312
peak_22537	chr14	2188295	2189181	40521	intron (NM_001013264, intron 3 of 4)	NM_001013264	fgf18a	8.841800875	7.17942945	1.662371425	0.000137
peak_37543	chr4	6791110	6791437	22033	exon (NM_001201357, exon 16 of 17)	NM_001030108	elk3	4.431772988	2.769449857	1.662323132	0.011746
peak_23661	chr18	31806215	31806820	56362	Intergenic	NM_001126451	v2rh7	7.228335484	5.566101292	1.662234193	0.000221
peak_26611	chr2	28025692	28026175	-2079	exon (NM_001256780, exon 4 of 7)	NM_001014358_1	rnf152	6.895588396	5.233359923	1.662228473	0.000678
peak_21485	chr23	39374638	39375069	9428	Intergenic	NM_001045224	bmf1	6.923087772	5.260909644	1.662178128	8.46E-05
peak_33759	chr5	39648947	39649346	8282	intron (NM_001100959, intron 1 of 2)	NM_001100959	si:dkey-111e8.4	4.414350268	2.752245075	1.662105193	0.005215
peak_31004	chr14	17923044	17923475	2546	exon (NM_001110291, exon 6 of 6)	NM_001110291	olfcj1	6.434361992	4.772307995	1.662053997	0.002618
peak_35235	chr3	31467478	31467858	-158112	Intergenic	NM_001080044	smg1	6.275308541	4.613568337	1.661740204	0.007237
peak_31568	chr9	35059648	35060094	-589	promoter-TSS (NM_001007198)	NM_001007198	ccdc80	7.201322027	5.539672381	1.661649646	0.003055
peak_43598	chr7	4426047	4427361	-77387	Intergenic	NM_001045001	slc12a10.2	4.963720362	3.3023586	1.661361762	0.03119
peak_43539	chr22	15436812	15437213	-10791	Intergenic	NM_001007788	mfng	2.715471362	1.054120914	1.661350448	0.030954
peak_15502	chr7	22958021	22958745	2399	intron (NM_001077144, intron 1 of 3)	NM_001077144	tmem88b	9.712824805	8.051595606	1.6612292	2.62E-06
peak_23068	chr10	9158161	9159042	-24699	Intergenic	NM_001015063	snx18b	8.434156482	6.773107124	1.661049358	0.000174
peak_25872	chr11	9575545	9575875	462204	Intergenic	NM_001142265	nlgn1	6.647850818	4.986941274	1.660909544	0.000525
peak_22897	chr14	51027625	51028057	-260	promoter-TSS (NM_001190934)	NM_001190934	rxfp1	6.799559902	5.138785033	1.660774869	0.000161
peak_22624	chr1	57978921	57979407	31080	intron (NM_001113805_1, intron 6 of 10)	NM_001111185	zgc:171470	7.683964259	6.023196265	1.660767994	0.000143
peak_22561	chr15	45031029	45031530	-45722	Intergenic	NM_200615	lrfn1	6.911789958	5.251087427	1.660702531	0.000139
peak_22338	chr7	49002440	49002831	-611810	Intergenic	NM_001195407	tshz3b	6.872264933	5.211665885	1.660599048	0.000127
peak_25269	chr14	2063717	2064296	-35599	Intergenic	NM_001111171	etf1a	6.735429189	5.074868656	1.660560533	0.000427
peak_37172	chr4	40353933	40354258	-562355	Intergenic	NM_001100956	si:dkeyp-4c4.1	5.629942431	3.970007719	1.659934712	0.010954
peak_25171	chr1	35538871	35539249	40863	intron (NM_001080012, intron 11 of 12)	NM_001080012	hhip	6.636781965	4.97686725	1.659914715	0.000413
peak_31320	chr6	56250451	56251205	131451	Intergenic	NM_001008576_1	tfap2c	6.182793364	4.523354232	1.659439132	0.002861
peak_20576	chr10	33307968	33308344	140939	intron (NM_201069, intron 12 of 14)	NM_201069	uvrag	6.761469811	5.102218257	1.659251553	5.53E-05
peak_22108	chr5	27780638	27781077	-2005	exon (NM_001098191, exon 5 of 5)	NM_131775	dhfr	6.700901417	5.041693826	1.659207591	0.000114
peak_28336	chr16	51879072	51879389	-70969	intron (NM_001012368, intron 2 of 10)	NM_131612	pbx2	6.202665937	4.543598416	1.659067521	0.001225
peak_41379	chr14	15270516	15271261	61559	Intergenic	NM_131008	spon2b	7.2948114	5.636024151	1.65878725	0.022566
peak_28185	chr22	36675633	36676101	433040	Intergenic	NM_001003610	nicn1	5.53615407	3.87845167	1.6577024	0.001172
peak_37219	chr22	9269901	9270320	-141946	Intergenic	NM_001089420_1	si:ch211-11p18.4	3.544684847	1.887237959	1.657446889	0.011046
peak_24092	chr8	45799266	45799605	26025	Intergenic	NM_131706	mhc2dcb	6.424383361	4.767095836	1.657287525	0.000267
peak_24898	chr19	2429241	2429713	29531	intron (NM_198819, intron 28 of 28)	NM_130984	twist1a	7.556666247	5.899402681	1.657263566	0.000373
peak_29880	chr14	9646691	9647156	-6682	exon (NM_001040301, exon 5 of 5)	NM_199516	st3gal5	7.029135687	5.37188168	1.657254007	0.001958
peak_36369	chr24	9486610	9486850	-10793	Intergenic	NM_001199738	topbp1	5.342828025	3.685951124	1.656876901	0.009262
peak_32787	chr4	30501310	30501532	554993	intron (NM_001114900_1, intron 9 of 10)	NM_001114702	zgc:174710	5.214574373	3.557765493	1.65680888	0.004162
peak_38569	chr22	9523327	9524007	-59166	Intergenic	NM_001089420	si:ch211-11p18.4	5.420553465	3.763846932	1.656706533	0.014145
peak_29748	chr16	8749908	8750473	-87418	Intergenic	NM_199515	prdm1a	6.878092694	5.22177488	1.656317814	0.001888
peak_31746	chr1	52223223	52223699	4999	exon (NM_001002468, exon 6 of 6)	NM_213556	junba	6.822114313	5.16612838	1.655985933	0.003219
peak_35044	chr5	75417032	75417486	544	exon (NM_001101670, exon 1 of 7)	NM_001101670	tbx3a	6.085879876	4.429988113	1.655891763	0.006935
peak_17172	chr2	59692684	59693357	-16965	intron (NM_212882_1, intron 7 of 9)	NM_200714	ndufa13	9.08237722	7.42651076	1.65586646	7.87E-06
peak_21647	chr22	32381776	32383373	-3406	Intergenic	NM_198978	pdcd4b	8.274168554	6.618362146	1.655806408	9.21E-05
peak_18332	chr5	37991201	37991792	-24290	Intergenic	NM_001080643	fam155b	7.829114934	6.173472997	1.655641937	1.64E-05
peak_19282	chr7	26949343	26949854	-24284	Intergenic	NM_001037684	mtm1	7.396008764	5.74048306	1.655525704	2.75E-05
peak_20842	chr11	31908790	31909371	192049	Intergenic	NM_001014332	man2b1	7.63380911	5.97832704	1.65548207	6.23E-05
peak_25791	chr6	43322891	43323104	-34972	Intergenic	NM_130923	mitfa	5.727554885	4.072151115	1.65540377	0.000512
peak_39099	chr24	43347364	43347759	72408	intron (NM_001018133, intron 2 of 9)	NM_001018133	ptprma	5.976038448	4.320747019	1.655291429	0.015525
peak_22484	chr5	43712742	43715640	-1999	exon (NM_001013272, exon 2 of 2)	NM_194413	p2rx5	9.013370561	7.358086222	1.655284339	0.000134
peak_23812	chr10	22947333	22948703	538	exon (NM_001030178, exon 2 of 14)	NM_001030178	kdm6bb	8.246074721	6.590941492	1.65513323	0.000238
peak_38091	chr13	877463	877871	-9977	Intergenic	NM_001173407	LOC798231	3.722150645	2.067049008	1.655101637	0.012976
peak_26519	chr20	39167882	39168218	-40222	Intergenic	NM_214819	rcan2	6.306541514	4.651789656	1.654751858	0.000658
peak_41588	chr4	47830697	47831187	45358	Intergenic	NM_001122615	zgc:174646	4.662479007	3.008140394	1.654338613	0.023273
peak_39304	chr19	24937203	24937584	-8334	intron (NM_001007280, intron 5 of 7)	NM_001045214	thbs3b	4.943815015	3.28954258	1.654272435	0.016081
peak_38152	chr7	70241166	70241534	-57427	Intergenic	NM_205546_1	hnf4b	6.513188362	4.858919224	1.654269138	0.013142
peak_17119	chr10	313471	314304	34879	intron (NM_131836, intron 4 of 5)	NM_001257340	mpzl1l	9.634339669	7.980241656	1.654098014	7.60E-06
peak_19625	chr3	40746109	40746895	16808	intron (NM_001001943, intron 1 of 17)	NM_001001943	smurf1	8.472443272	6.818570717	1.653872555	3.33E-05
peak_40591	chr4	10079489	10079974	9363	intron (NM_001130603, intron 1 of 11)	NM_001130603	tmtc2	6.67913251	5.025335557	1.653796953	0.019914
peak_29700	chr17	35198847	35199222	-65120	Intergenic	NM_001045207	asap2a	6.147781807	4.494150008	1.653631799	0.00186
peak_34523	chr5	14359614	14360371	9474	intron (NM_182888, intron 1 of 8)	NM_182888	mapk1	7.94738232	6.294171301	1.653211019	0.006215
peak_19775	chr25	28430724	28431231	-22655	Intergenic	NM_001080685	spam1	7.399406258	5.746492656	1.652913602	3.60E-05
peak_30307	chr15	8424956	8425430	-41654	Intergenic	NM_001044904	tnfrsf19	7.028957525	5.376062161	1.652895364	0.002198
peak_43961	chr7	66016414	66016762	-38182	Intergenic	NM_001123055	zgc:158420	4.773790299	3.120985077	1.652805222	0.032756
peak_37895	chr1	34141944	34142418	12497	intron (NM_207062, intron 1 of 5)	NM_207062	klf12a	6.139990656	4.487201972	1.652788685	0.012502
peak_39768	chr15	24997907	24998305	-17745	Intergenic	NM_001002314	hic1	5.650711034	3.997956981	1.652754052	0.017303
peak_20355	chr4	13424246	13424796	15423	Intergenic	NM_001162854	LOC799612	7.241189312	5.588457106	1.652732206	4.97E-05
peak_20420	chr25	33684648	33685342	49610	intron (NM_001123047, intron 26 of 29)	NM_130970	isl2a	7.888068693	6.23553454	1.652534153	5.13E-05
peak_34593	chr12	29896567	29896973	417	exon (NM_001130772, exon 2 of 8)	NM_001130772	zgc:195081	5.154623552	3.502102734	1.652520817	0.006313
peak_26270	chr18	6990102	6990398	12337	intron (NM_001110381, intron 8 of 11)	NM_001110381	si:dkey-30c15.2	5.737915131	4.085505838	1.652409292	0.000603
peak_29917	chr23	26660965	26661268	102286	Intergenic	NM_001195247	si:dkey-205h13.1	6.26273139	4.610346184	1.652385206	0.001977
peak_31303	chr25	23820778	23821089	-45098	Intergenic	NM_200880	dusp8a	5.232882137	3.580617769	1.652264369	0.002851
peak_20146	chr17	8247970	8248719	-95405	Intergenic	NM_130961	lft2	8.751385926	7.0991257	1.652260226	4.46E-05
peak_22763	chr8	33422277	33422700	58286	intron (NM_001020514, intron 2 of 7)	NM_001020514	ncs1b	6.78802059	5.13576202	1.65225857	0.000151
peak_20630	chr25	21292218	21292672	20548	intron (NM_001077599, intron 1 of 12)	NM_001077599	csk	6.913968795	5.262018814	1.65194998	5.67E-05
peak_34524	chr14	49727858	49728501	40327	intron (NM_131314, intron 1 of 8)	NM_131314	ldb2a	6.047074358	4.395133267	1.651941091	0.006219
peak_40728	chr13	18851418	18851748	32668	exon (NM_001145606, exon 4 of 5)	NM_001145606	lzts2a	5.32699939	3.675176067	1.651823323	0.020327
peak_43976	chr9	14653388	14654024	127360	intron (NM_212966, intron 15 of 16)	NM_212966	nrp2b	6.812343404	5.160959614	1.65138379	0.032846
peak_26410	chr5	16906965	16907482	-113	promoter-TSS (NM_183339)	NM_183339	tbx1	6.846255933	5.195056556	1.651199377	0.000634
peak_27231	chr10	2539	2814	-1254	Intergenic	NM_212815_1	akt2l	5.632577994	3.981426621	1.651151374	0.000843
peak_25505	chr13	9907897	9908283	-81511	Intergenic	NM_131362	six3a	6.73440918	5.083554545	1.650854634	0.000464
peak_35671	chr13	26672590	26673266	-254910	Intergenic	NM_212982	fancl	6.776222767	5.12560452	1.650618247	0.007973
peak_37737	chr24	20163363	20163675	95516	Intergenic	NM_001003846	sulf1	5.382989259	3.733077553	1.649911705	0.012127
peak_26423	chr16	44863972	44864421	-28119	intron (NM_001168265, intron 1 of 11)	NM_199838	zgc:66432	6.738145128	5.088444771	1.649700356	0.000636
peak_31684	chr21	3294588	3295285	-94995	Intergenic	NM_213302	hnrnpabb	6.96988232	5.320246747	1.649635573	0.003157
peak_21878	chr1	39845920	39846506	-60523	intron (NM_001076657, intron 2 of 2)	NM_130968	tenm3	8.262166962	6.612710333	1.64945663	0.000103
peak_23097	chr12	9659568	9660025	52761	Intergenic	NM_131146	cyp26a1	7.475781958	5.826552764	1.649229194	0.000176
peak_24844	chr3	26767094	26767715	-21278	Intergenic	NM_212704	rhot1a	6.899287555	5.250169783	1.649117773	0.000365
peak_34248	chr8	34962152	34962607	-55947	Intergenic	NM_131616	pbx3b	6.36573248	4.716719838	1.649012642	0.005835
peak_16933	chr8	39156439	39157672	125453	Intergenic	NM_001039526	prlhr2a	9.989799838	8.340801407	1.648998431	6.79E-06
peak_18608	chr23	45821490	45822171	-10670	intron (NM_130919_1, intron 3 of 3)	NM_001001826	zgc:85866	8.472439661	6.823445765	1.648993896	1.89E-05
peak_26126	chr5	18221644	18222046	28543	intron (NM_001080199, intron 14 of 21)	NM_001080199	piwil2	6.075120758	4.426318892	1.648801866	0.000574
peak_21250	chr20	37652570	37654294	-106255	Intergenic	NM_001030164	hivep2a	10.18045051	8.531899639	1.648550872	7.56E-05
peak_38770	chr7	26230837	26231354	-14644	Intergenic	NM_001005947	arl2	7.19260481	5.544217091	1.648387719	0.014663
peak_25734	chr20	52400452	52401105	138156	Intergenic	NM_212701	hlx1	7.981529189	6.333240103	1.648289086	0.000502
peak_23215	chr4	4532365	4532853	92621	Intergenic	NM_001080651	creb3l2	7.399398661	5.751168662	1.648229998	0.000184
peak_40857	chr19	38687199	38687719	2885	exon (NM_001013528, exon 2 of 2)	NM_001013528	smim12	6.683203176	5.034984942	1.648218234	0.020745
peak_28402	chr24	42059535	42059846	192637	Intergenic	NM_001020507	smyhc1	5.914890731	4.26691139	1.647979342	0.00125
peak_17122	chr23	44545823	44547363	-8437	Intergenic	NM_200759	eif4e2rs1	9.408478095	7.760571963	1.647906132	7.62E-06
peak_21734	chr13	51573795	51574524	21989	intron (NM_001014817_2, intron 1 of 2)	NM_001014817_2	dntt	7.481727091	5.833890832	1.647836259	9.56E-05
peak_25261	chr4	28868231	28868588	563263	Intergenic	NM_001113341	si:dkey-13e3.1	6.399812076	4.752478939	1.647333137	0.000426
peak_29374	chr23	97534	97826	12343	Intergenic	NM_130985	twist3	4.882396095	3.235118028	1.647278067	0.001694
peak_38373	chr18	11780847	11781130	-4986	Intergenic	NM_198372	fam107b	5.78942417	4.142356047	1.647068124	0.013737
peak_23148	chr14	27584324	27585352	-39243	Intergenic	NM_182862	tgfbi	8.463542634	6.816584478	1.646958156	0.00018

peak_31266	chr6	22179829	22180161	88464	Intergenic	NM_200704	aanat1	5.196665911	3.549732378	1.646933533	0.002818
peak_26476	chr23	17266707	17267049	5039	intron (NM_001025450, intron 1 of 21)	NM_001025450	dnmt4	6.204771368	4.557946644	1.646824724	0.000646
peak_28281	chr3	59780752	59781003	-92816	Intergenic	NM_001045319	luc7l3	5.806855482	4.160104464	1.646751018	0.001202
peak_27129	chr14	41218512	41220447	475155	Intergenic	NM_001127519	pcdh19	9.232798396	7.586074812	1.646723584	0.000812
peak_31554	chr1	48742703	48743060	414155	Intergenic	NM_001077556	ccdc147	6.674607394	5.027981047	1.646626347	0.003042
peak_25296	chr16	15372092	15373060	-8505	Intergenic	NM_001197062	dbpb	6.864150614	5.217536881	1.646613733	0.000432
peak_18643	chr17	16407649	16410218	2509	intron (NM_001045263, intron 1 of 5)	NM_001045263	foxn3	10.98921978	9.342820852	1.646398924	1.92E-05
peak_36723	chr12	1220309	1220694	11014	exon (NM_212754, exon 13 of 21)	NM_212754	polr3e	5.813539483	4.167895188	1.645644294	0.009964
peak_25765	chr2	39628733	39628980	-165601	Intergenic	NM_001002667	slc25a36a	6.03871828	4.393657142	1.645061137	0.000507
peak_26249	chr13	36299229	36299662	-5603	Intergenic	NM_212581	tacc3	7.120335905	5.475318301	1.645017605	0.0006
peak_43937	chr11	31143183	31143648	13993	intron (NM_001114730, intron 7 of 19)	NM_001114730	ppef1	3.707078536	2.062135641	1.644942895	0.032697
peak_22795	chr10	9512725	9513033	12057	Intergenic	NM_200727	ndufa8	6.429749022	4.78490153	1.644847492	0.000153
peak_30096	chr8	46765022	46765309	71967	Intergenic	NM_131663	star	5.767749979	4.122952173	1.644797806	0.002078
peak_36073	chr5	21749621	21750018	22281	Intergenic	NM_001177459	slc6a4b	4.252657886	2.607911205	1.64474668	0.008668
peak_38520	chr25	33175892	33176218	94979	Intergenic	NM_001008639	zgc:101540	6.083593445	4.438907193	1.644686253	0.014039
peak_28002	chr7	60903972	60904364	31413	Intergenic	NM_200097	brms1	5.190658387	3.546029147	1.64462924	0.001104
peak_22481	chr18	42385015	42385432	9585	intron (NM_001005575, intron 1 of 8)	NM_001005575	bcl9l	8.012078739	6.367630831	1.644447908	0.000134
peak_32230	chr1	53730053	53730357	25232	TTS (NM_001039565)	NM_001039565	il15	6.15891976	4.514615373	1.644304387	0.003625
peak_25454	chr12	911267	911884	-58239	Intergenic	NM_001078169	sult2st2	8.26560857	6.621552694	1.644055876	0.000458
peak_20383	chr14	36347375	36348566	-179418	Intergenic	NM_001003412	clint1a	8.404544857	6.760629402	1.643915455	5.05E-05
peak_43324	chr14	221680	222400	-4426	Intergenic	NM_001136244	and4	5.663346902	4.019457786	1.643889117	0.030112
peak_39805	chr16	14346963	14347427	-35266	Intergenic	NM_001045344	zgc:153234	7.001373455	5.357553879	1.643819576	0.017406
peak_38336	chr1	35797166	35797568	103341	Intergenic	NM_001077565	zgc:152968	5.190056257	3.546246601	1.643809656	0.013603
peak_26659	chr19	20064870	20065268	-80557	Intergenic	NM_001020756	ints8	6.334678924	4.691368258	1.643310666	0.000689
peak_22960	chr15	14058237	14059275	12400	Intergenic	NM_001030247	zgc:114130	8.762726935	7.119455245	1.64327169	0.000166
peak_24769	chr23	32751616	32752199	120786	Intergenic	NM_200286	taf8	8.564609084	6.921456882	1.643152202	0.000356
peak_26128	chr2	56575539	56575933	-13923	Intergenic	NM_001037113	uba52	6.612007502	4.968958106	1.643049396	0.000575
peak_20722	chr17	8009566	8010110	-42687	Intergenic	NM_001017841	slc18b1	6.865293519	5.2223365	1.642957019	5.90E-05
peak_23102	chr8	20212194	20213871	661	exon (NM_131271, exon 1 of 1)	NM_131271	foxd1	8.670569473	7.027684109	1.642885365	0.000177
peak_33144	chr11	2346560	2346852	-23251	Intergenic	NM_001161401	igfbp6a	5.111282037	3.468853717	1.64242832	0.004548
peak_26181	chr7	35602666	35602934	-3191	Intergenic	NM_001110458	dis3l	5.625915103	3.983630951	1.642284152	0.000586
peak_21202	chr6	12620901	12621322	-121149	Intergenic	NM_198064	slc15a1b	6.985805604	5.343607855	1.642197749	7.41E-05
peak_43738	chr1	45398520	45398816	2159	intron (NM_001145611, intron 3 of 5)	NM_001145611	si:dkey-9i23.16	4.8718786	3.229687986	1.642190614	0.031896
peak_23095	chr6	37426972	37428433	33656	exon (NM_201652, exon 12 of 13)	NM_201652	jade3	8.729015489	7.086968317	1.642047172	0.000176
peak_20849	chr22	38035426	38036245	18396	exon (NM_201044, exon 4 of 10)	NM_201044	rnf13	7.992915219	6.350879267	1.642035952	6.24E-05
peak_41002	chr9	53720105	53720395	221361	Intergenic	NM_001030165	Mar-04	5.879389575	4.237523363	1.641866212	0.021294
peak_25832	chr4	1883647	1884265	-8608	Intergenic	NM_001083089	si:dkey-97m3.1	6.252081089	4.610319861	1.641761227	0.000518
peak_42624	chr25	36415466	36415940	-8844	Intergenic	NM_001003427	psma1	6.495208708	4.853479654	1.641729054	0.02695
peak_19707	chr6	59400298	59401455	-856	promoter-TSS (NM_001114886)	NM_001114886	zgc:171476	7.575162547	5.933528462	1.641634086	3.48E-05
peak_26298	chr4	7562193	7562655	14453	intron (NM_130937, intron 1 of 5)	NM_001015043	fbxl14b	6.658784617	5.017226436	1.641558181	0.00061
peak_41136	chr11	21133654	21134180	-214066	intron (NM_131086, intron 8 of 16)	NM_001002230	tuba7l	3.10167217	1.460147133	1.641525037	0.021784
peak_22967	chr22	38965826	38966494	448325	Intergenic	NM_001017600	polr2h	7.446283141	5.804764462	1.641518679	0.000167
peak_33431	chr13	73217	73541	4046	intron (NM_200001_1, intron 7 of 7)	NM_001040335	rtn4b	4.659002196	3.017822348	1.641179849	0.004854
peak_38890	chr18	26377242	26377791	99529	Intergenic	NM_001007395	def8	6.55970608	4.918548772	1.641157308	0.014964
peak_19666	chr1	48342694	48343765	14503	intron (NM_001077556, intron 6 of 17)	NM_001077556	ccdc147	8.473498782	6.83238654	1.641112242	3.42E-05
peak_23466	chr7	12156754	12157083	44995	Intergenic	NM_001080704	mesdc2	6.196965632	4.555860295	1.641105336	0.000203
peak_42668	chr8	28002431	28002743	-187905	Intergenic	NM_200085	slc16a1	5.339030839	3.69801901	1.641011829	0.027163
peak_33986	chr15	37742866	37743206	238118	exon (NM_131481, exon 15 of 29)	NM_131481	robo1	6.264162353	4.623237155	1.640925199	0.005508
peak_22674	chr20	51816397	51817003	7272	Intergenic	NM_001130595	tlr5b	7.318598307	5.677737243	1.640861064	0.000147
peak_39330	chr17	25316258	25316783	30406	intron (NM_201486, intron 4 of 5)	NM_201486	clic4	6.586329282	4.945697957	1.640631325	0.016132
peak_19682	chr9	41021274	41021779	-8034	intron (NM_001161762, intron 2 of 2)	NM_001161762_1	si:zfos-1425h8.1	7.217410002	5.576857047	1.640552956	3.44E-05
peak_25712	chr7	19740211	19740755	75427	Intergenic	NM_001127308	dtx1	6.586315934	4.945801112	1.640514822	0.000498
peak_33124	chr10	20634193	20634998	-16390	Intergenic	NM_001002211	ppapdc1b	5.452565264	3.812241631	1.640323633	0.004533
peak_36739	chr3	38108160	38108481	289270	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	5.632134758	3.992240206	1.639894552	0.009979
peak_28843	chr23	14754019	14754402	127242	Intergenic	NM_001006104	gss	6.344738658	4.704950183	1.639788474	0.001438
peak_23429	chr20	26626985	26627656	26256	intron (NM_200604, intron 11 of 27)	NM_200604	exoc2	7.937361088	6.297675525	1.639685563	0.0002
peak_32328	chr17	53354752	53355144	7751	intron (NM_131896, intron 1 of 4)	NM_131896	meis2a	5.832999539	4.193433603	1.639565936	0.00372
peak_26362	chr10	26319149	26319494	14538	Intergenic	NM_131294	sod1	6.033357411	4.393805912	1.639551498	0.000623
peak_34844	chr13	53103508	53103946	115629	Intergenic	NM_001135784	nkx6.2	6.142793785	4.503403316	1.63939047	0.006622
peak_16427	chr18	20795995	20797069	30972	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	10.1357114	8.496406157	1.639305239	5.02E-06
peak_41562	chr4	48359424	48359908	574082	Intergenic	NM_001122615	zgc:174646	5.260168808	3.620962183	1.639206625	0.023164
peak_17097	chr14	5689785	5690386	-5506	Intergenic	NM_153651	tlx2	8.289886001	6.650761679	1.639124323	7.51E-06
peak_26078	chr4	19191696	19192228	-20368	Intergenic	NM_200982	stk38l	5.969366295	4.330368472	1.638997824	0.000566
peak_30031	chr13	17083868	17084474	429164	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	7.514037588	5.875462347	1.638575241	0.00204
peak_42159	chr5	33443852	33444244	-5293	exon (NM_001160020, exon 10 of 10)	NM_200294	uap1l1	6.10393015	4.465747149	1.638183001	0.025182
peak_32714	chr20	14669791	14670238	-34230	Intergenic	NM_200403	tmed5	7.090897571	5.452727762	1.63816981	0.004107
peak_25540	chr2	50424442	50424697	6373	exon (NM_001076601, exon 2 of 7)	NM_001076601	blvra	6.022197834	4.384093565	1.638104269	0.00047
peak_35815	chr10	9851824	9852173	211094	Intergenic	NM_001044910	si:ch211-243g18.	4.835289348	3.197427542	1.637861806	0.008235
peak_34776	chr6	5871783	5872097	293734	Intergenic	NM_001201446	rtn4a	5.517528496	3.879738603	1.637789893	0.006524
peak_30491	chr22	11489315	11489564	59211	Intergenic	NM_200832	mid1ip1b	5.827179997	4.189566637	1.637613361	0.002307
peak_22031	chr24	37131226	37132725	64048	Intergenic	NM_001109702	zgc:171788	9.782330576	8.144996172	1.637334404	0.00011
peak_17577	chr23	14120140	14120730	-89204	Intergenic	NM_001083555	cacnb3a	9.404552427	7.767376372	1.637176055	1.04E-05
peak_34354	chr22	31252180	31252640	81838	Intergenic	NM_001013572	si:dkeyp-34c12.1	6.714388283	5.077234631	1.637153651	0.005986
peak_24339	chr23	32446390	32446840	27963	intron (NM_001039924, intron 4 of 7)	NM_001039924	grasp	7.724433461	6.087451809	1.636981651	0.000297
peak_39286	chr4	46819674	46820880	66483	Intergenic	NM_001113606	zgc:173720	4.267574237	2.630722082	1.636852155	0.016033
peak_29559	chr4	11872097	11872427	-12245	Intergenic	NM_001159768	b2m	6.225832192	4.589003243	1.636828949	0.001791
peak_36355	chr24	25722467	25722780	45066	Intergenic	NM_001100152	amer2	5.196066283	3.559738612	1.636327671	0.009238
peak_31290	chr1	1066723	1067520	3745	intron (NM_131603_1, intron 2 of 4)	NM_131603_1	runx1	7.508117708	5.871933786	1.636183922	0.002841
peak_41615	chr10	2975618	2976285	-5833	Intergenic	NM_212832	oclna	5.382989259	3.746877001	1.636112258	0.02336
peak_24146	chr2	4777187	4777916	-20826	Intergenic	NM_001009917	tfr1a	8.088951533	6.453144321	1.635807212	0.000274
peak_42049	chr15	35826878	35827530	116471	intron (NM_001040687, intron 16 of 29)	NM_001040687	nphs1	7.32864161	5.693015925	1.635625685	0.02482
peak_25657	chr21	8542277	8542688	178199	Intergenic	NM_001037701	mapk10	6.006170307	4.370635074	1.635535233	0.000488
peak_43665	chr18	17827893	17830200	65595	Intergenic	NM_001002520	cbln1	6.925260179	5.291080348	1.634179831	0.031538
peak_19991	chr7	53135883	53137556	28455	intron (NM_213431, intron 9 of 10)	NM_213431	hdac8	8.890956473	7.25695445	1.634002023	4.10E-05
peak_24143	chr5	10124863	10125141	154724	Intergenic	NM_001113626	zgc:172315	5.615612369	3.98165092	1.633961449	0.000274
peak_32699	chr14	25389150	25389584	1721	intron (NM_001123011, intron 1 of 21)	NM_001123011	fam13b	6.481466708	4.847631116	1.633835592	0.004087
peak_29970	chr17	29097958	29098471	80233	Intergenic	NM_131067	foxg1a	6.97986529	5.346222121	1.633643169	0.002012
peak_42446	chr7	43927670	43927895	37930	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	3.346615242	1.713007287	1.633607956	0.026216
peak_22688	chr19	22061306	22061747	137364	Intergenic	NM_001159669	LOC100003866	7.451331546	5.817742091	1.633589455	0.000147
peak_38387	chr6	54040946	54041290	40446	Intergenic	NM_001077299	tusc2a	6.176405983	4.542832891	1.633573092	0.013758
peak_25929	chr5	73709470	73710128	-231040	Intergenic	NM_001017876_1	fsip1	7.438796586	5.805250006	1.63354658	0.000537
peak_31881	chr8	10055779	10056282	59180	intron (NM_001098489, intron 3 of 31)	NM_001098489	plxna3	7.233303503	5.600350887	1.632952616	0.003336
peak_31783	chr19	45189638	45189968	34659	intron (NM_212781, intron 2 of 16)	NM_212781	yrk	5.314866759	3.682104246	1.632762513	0.003252
peak_27827	chr13	51297348	51297802	-53885	Intergenic	NM_001045357	cox5b2	7.52267883	5.89051735	1.63216148	0.00104
peak_40396	chr10	41685132	41685430	35173	Intergenic	NM_001080188	git2b	5.547508126	3.91539102	1.632117105	0.019229
peak_18240	chr9	57617010	57619063	10263	intron (NM_001017557, intron 7 of 10)	NM_001017557	Sep-10	8.786293243	7.154318534	1.631974709	1.56E-05
peak_27442	chr15	2762995	2763401	-17572	Intergenic	NM_001014350	ppp5c	6.167851193	4.535894826	1.631956366	0.000906
peak_35166	chr7	55295609	55295920	70168	intron (NM_173218, intron 7 of 28)	NM_200845	rps17	4.057383766	2.425548828	1.631834938	0.007141
peak_36635	chr20	1789642	1789968	20782	intron (NM_001278799, intron 1 of 49)	NM_001278799	lama2	6.015056485	4.383261465	1.63179502	0.009815
peak_22968	chr9	44896299	44896838	25375	intron (NM_200921, intron 3 of 5)	NM_200921	ube2e3	7.953535963	6.321821572	1.631714391	0.000167
peak_33865	chr5	42561542	42562929	-26356	Intergenic	NM_001077175	parp8	4.809602052	3.177967494	1.631634558	0.00535
peak_40975	chr8	13063747	13064386	-113849	Intergenic	NM_001128381	traf1	6.654413397	5.022936708	1.631476689	0.021205
peak_27436	chr17	25361312	25361567	44098	Intergenic	NM_200352	rtn4ip1	5.720900633	4.089500675	1.631399958	0.000905
peak_42084	chr21	32211675	32212014	-165494	Intergenic	NM_213214	rbm22	3.603853576	1.972678992	1.631174584	0.02495
peak_38170	chr13	32086337	32086787	75529	Intergenic	NM_173273	diexf	5.942364762	4.31132586	1.631038902	0.013203

peak_35718	chr22	969370	969695	-20858	Intergenic	NM_001146150	cacna1sa	5.542327888	3.911959296	1.630368592	0.008058
peak_40056	chr22	31446267	31446910	-18037	Intergenic	NM_001045196	gtpbp2	3.2869161	1.656580119	1.630335981	0.01818
peak_41879	chr12	50433465	50434070	36449	intron (NM_200591, intron 5 of 7)	NM_001114902	zgc:175139	5.664673052	4.03442049	1.630252562	0.024244
peak_40770	chr24	43430598	43430939	-10799	Intergenic	NM_001018133	ptprma	5.053378088	3.423196996	1.630181092	0.020493
peak_19337	chr15	8883236	8884601	-19106	Intergenic	NM_213155	ap2s1	9.381644293	7.751512559	1.630131734	2.83E-05
peak_26012	chr17	43121330	43121750	-44946	Intergenic	NM_173224	npc2	6.492783688	4.862792406	1.629991282	0.000552
peak_32773	chr4	25615081	25615468	100999	Intergenic	NM_001002629	tnni1d	6.047739207	4.417815345	1.629923862	0.004155
peak_38962	chr10	32469765	32470095	-16734	Intergenic	NM_131482	robo3	5.799351007	4.16944099	1.629910016	0.015163
peak_24168	chr1	15297578	15298104	-48162	Intergenic	NM_001030126	mtmr7b	7.02032619	5.390487898	1.629838292	0.000278
peak_35832	chr16	6596417	6596845	101770	Intergenic	NM_001020563	echdc1	5.556906595	3.927130634	1.629775961	0.008263
peak_18567	chr8	24123776	24124620	57926	Intergenic	NM_200079	ppdpfa	8.008311602	6.378627124	1.629684478	1.84E-05
peak_39927	chr2	42699016	42699348	-126332	Intergenic	NM_001202454	basp1	6.153988177	4.524641404	1.629346773	0.01781
peak_26320	chr24	4473464	4473819	54317	Intergenic	NM_130918	fzd8a	5.874526102	4.245190731	1.629335371	0.000614
peak_22602	chr12	32776483	32777041	13526	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	7.933128835	6.303921956	1.629206879	0.000141
peak_43959	chr22	3044579	3045321	20697	Intergenic	NM_001083098	si:dkey-15h8.7	5.706187427	4.076986006	1.629201421	0.032754
peak_23710	chr16	8029729	8030010	5656	intron (NM_001271460, intron 1 of 4)	NM_001271460	mbpb	5.913067554	4.284336466	1.628731088	0.000227
peak_32938	chr6	34518205	34518468	-133705	Intergenic	NM_199274	rgs4	5.865859134	4.237505934	1.6283532	0.004336
peak_21213	chr17	16066497	16066998	99051	Intergenic	NM_001030264	hmbox1a	8.026172128	6.397825165	1.628346963	7.44E-05
peak_34225	chr14	38210978	38211328	4254	Intergenic	NM_001048055	lect2l	6.147471691	4.51922784	1.628243851	0.005808
peak_17777	chr18	46990159	46993494	-543	promoter-TSS (NM_131348)	NM_131348	fli1a	10.84681145	9.218859289	1.627952163	1.19E-05
peak_32008	chr17	44824062	44824552	-175889	Intergenic	NM_001159836	LOC100000800	6.71606226	5.088158224	1.627904037	0.003435
peak_35945	chr10	10794992	10795300	27686	Intergenic	NM_201118	ambp	5.755976092	4.128362901	1.627613191	0.008437
peak_35078	chr6	9742248	9742803	-75870	intron (NM_001080085, intron 3 of 9)	NM_130936	klfd	6.293690814	4.666218412	1.627472402	0.006998
peak_42568	chr24	37426112	37426454	18842	exon (NM_001076717, exon 18 of 19)	NM_001076717	abcd4	5.89614226	4.269086173	1.627056087	0.026722
peak_37534	chr19	47421349	47421876	127232	intron (NM_001177934, intron 5 of 7)	NM_001177934	trps1	4.423600265	2.796612188	1.626988076	0.011735
peak_26729	chr22	5044092	5044631	-16498	Intergenic	NM_001118891	s1pr4	7.099269022	5.472661341	1.626607681	0.000708
peak_24610	chr1	59716875	59717573	5616	intron (NM_213242, intron 1 of 18)	NM_213242	dnm2b	8.417489493	6.790974574	1.626514918	0.00033
peak_37818	chr7	57528818	57529297	167204	Intergenic	NM_212606	cdh15	6.186118655	4.559768096	1.626350559	0.012327
peak_25668	chr20	19108279	19108760	29644	intron (NM_001013265, intron 6 of 6)	NM_001013265	pinx1	6.872651162	5.24653196	1.626119202	0.00049
peak_38010	chr3	1362115	1362352	27971	intron (NM_001258319, intron 7 of 12)	NM_001258319	dicp1.1	4.18281102	2.556780638	1.626030382	0.012781
peak_34306	chr2	59395016	59395320	100272	intron (NM_212882_1, intron 4 of 9)	NM_001017797	cirbpa	5.384569	3.758598123	1.625970877	0.005917
peak_43430	chr16	28414032	28414609	68875	intron (NM_001044848, intron 14 of 20)	NM_001044848	arhgef1b	2.877168754	1.251205952	1.625962802	0.030542
peak_23039	chr4	19792311	19793527	44232	intron (NM_001045143, intron 1 of 36)	NM_001045143	nav3	8.537473693	6.911765964	1.625707729	0.000172
peak_29738	chr14	49706484	49707321	61604	intron (NM_131314, intron 2 of 8)	NM_131314	ldb2a	7.117311941	5.491749968	1.625561973	0.001882
peak_29380	chr5	20397824	20398179	283230	Intergenic	NM_201009	aacs	6.255267414	4.630206754	1.62506066	0.001697
peak_36051	chr8	29413875	29414339	-27684	Intergenic	NM_130972	par1	3.804890439	2.18019084	1.624699599	0.008616
peak_21251	chr7	69998639	69999466	-179295	Intergenic	NM_205546	hnf4b	8.341540813	6.717084091	1.624456722	7.57E-05
peak_43813	chr15	42874378	42874820	-39881	Intergenic	NM_001099235	zgc:165514	4.592962636	2.968610971	1.624351666	0.032223
peak_23618	chr2	46663091	46663678	-220645	Intergenic	NM_201020_1	gpc1b	7.167698285	5.543357848	1.624340437	0.000216
peak_22503	chr16	32741326	32741851	-3770	Intergenic	NM_212905	zgc:77086	7.844445109	6.220136439	1.62430867	0.000135
peak_43377	chr16	46828039	46828747	151977	intron (NM_001039635, intron 3 of 7)	NM_001039635	zfpm2a	6.78423556	5.160103296	1.624132264	0.030332
peak_18420	chr1	17758445	17758939	51047	intron (NM_001145577, intron 8 of 21)	NM_001145577	limch1a	8.047411669	6.423591801	1.623819868	1.71E-05
peak_35695	chr2	5925575	5925927	9092	intron (NM_001077600, intron 1 of 3)	NM_001077600	ppm1la	5.374534629	3.750798708	1.623735921	0.008015
peak_22315	chr11	6714836	6715619	176414	Intergenic	NM_213031	gadd45ba	8.250561686	6.62704433	1.623517357	0.000126
peak_30346	chr6	6073346	6073774	92114	Intergenic	NM_001201446	rtn4a	7.27601799	5.652837995	1.623179994	0.002223
peak_42548	chr3	15434175	15434451	688	intron (NM_001017400, intron 1 of 1)	NM_001017400	tmem11	5.70913229	4.08602135	1.62311094	0.026652
peak_39694	chr15	47098517	47098845	-55148	Intergenic	NR_030402		5.145299012	3.522528773	1.622770239	0.017129
peak_17318	chr25	35713431	35714200	-18267	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	9.604464934	7.981837923	1.622627011	8.62E-06
peak_23152	chr25	30885845	30886362	207800	Intergenic	NM_001083030	brd1b	7.877344862	6.254733571	1.622611291	0.00018
peak_34014	chr19	5240633	5240945	-55708	Intergenic	NM_001128549	LOC799704	6.005828203	4.383326244	1.622501959	0.005539
peak_37659	chr16	24771977	24772178	91603	Intergenic	NM_001013495	s100t	4.37873731	2.756287198	1.622450111	0.011957
peak_33953	chr20	51271817	51273019	-68655	intron (NM_001172400, intron 8 of 24)	NM_001177747	mpp5b	8.060918738	6.438505748	1.62241299	0.005474
peak_26624	chr19	30068016	30068458	-148374	Intergenic	NM_001044337	fndc5b	6.291991931	4.669633416	1.622358515	0.000682
peak_35750	chr5	9239545	9240359	-29020	Intergenic	NM_001045858	fgf10b	6.456590791	4.834480969	1.622109822	0.008127
peak_24422	chr11	22942963	22943345	199201	Intergenic	NM_001199491	foxp4	6.666813271	5.044712176	1.622101095	0.000307
peak_34222	chr24	41175703	41176441	7465	Intergenic	NM_001002695	cox6b1	6.657055511	5.035194662	1.621860849	0.005805
peak_26920	chr13	25620631	25620968	-43	promoter-TSS (NM_001007372)	NM_001007372	gsto2	5.944886133	4.323048542	1.621837591	0.00076
peak_27011	chr7	74819412	74819780	26093	Intergenic	NM_001008590	slc35c1	6.095557646	4.473730186	1.621827461	0.000781
peak_40288	chr14	45452891	45453217	-87218	Intergenic	NM_182885	pcdh10b	6.022217569	4.40045111	1.621766459	0.018915
peak_20136	chr18	11306690	11307097	193591	Intergenic	NM_001013335	zgc:110789	6.92507927	5.30331751	1.62176176	4.44E-05
peak_26646	chr14	25669148	25669410	91518	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	5.589770563	3.968220548	1.621550016	0.000685
peak_35345	chr17	25185065	25185445	-12917	intron (NM_001040328, intron 9 of 13)	NM_001001596	lck	5.518967649	3.897421587	1.621546062	0.007393
peak_29701	chr8	44382585	44383000	-103818	Intergenic	NM_001017996	gfra2a	6.96955197	5.348268114	1.621283855	0.00186
peak_16284	chr3	6774135	6776184	168108	Intergenic	NM_001003625_1	nup85	9.707645054	8.086456568	1.621188486	4.52E-06
peak_28936	chr16	53700787	53701289	5868	exon (NM_001013522, exon 3 of 6)	NM_001013522	lim2.5	6.857329416	5.236143283	1.621186133	0.001484
peak_32415	chr9	54474855	54475450	-260158	intron (NM_001288817, intron 24 of 31)	NM_001017360	xrcc5	7.305421896	5.684363856	1.621058041	0.003802
peak_39075	chr25	7721332	7721662	78545	Intergenic	NM_001177312	ifitm5	6.228749629	4.607703966	1.621045663	0.015452
peak_42499	chr21	31828997	31829267	27813	intron (NR_120380, intron 4 of 5)	NR_120380		3.340116769	1.719076102	1.621040667	0.026432
peak_25535	chr2	35482231	35483069	33784	Intergenic	NM_001020770	ankrd45	7.124920382	5.503881111	1.621039271	0.000469
peak_35352	chr12	14733579	14733947	-5623	Intergenic	NM_001003984	stat5.2	5.557373553	3.936388072	1.620985482	0.007417
peak_33888	chr8	15511776	15512048	7955	intron (NM_001003634, intron 1 of 13)	NM_001003634	fnbp1l	6.351501375	4.730559398	1.620941977	0.005384
peak_42003	chr9	18128550	18128765	170981	intron (NM_001128338, intron 37 of 44)	NM_001128338	vwa8	5.548447992	3.927593156	1.620854836	0.024699
peak_24407	chr7	37028240	37028681	-57706	Intergenic	NM_001023575	irx6a	7.116203061	5.49538951	1.620813551	0.000305
peak_21465	chr19	24978162	24979080	4501	TTS (NM_200087)	NM_200087	txnipa	8.200355007	6.579590458	1.620764549	8.38E-05
peak_32160	chr9	26842073	26842663	-31697	intron (NM_001114551, intron 1 of 8)	NM_001017560	gtdc1	7.898360966	6.277714723	1.620646243	0.003553
peak_18320	chr3	6080997	6081547	-8136	Intergenic	NM_001110385	trim35-31	8.890768508	7.270273562	1.620494946	1.63E-05
peak_24607	chr3	46312973	46313383	104835	Intergenic	NM_001017690	snrnp25	7.37425416	5.753759921	1.620494239	0.00033
peak_32316	chr16	42377095	42377527	-139962	intron (NM_001076716, intron 6 of 13)	NM_182855	tgfbr2	6.492783688	4.872360517	1.620423171	0.003706
peak_28642	chr5	43808199	43808667	-9646	Intergenic	NM_001126398	fam222ba	6.775207786	5.154840841	1.620366945	0.001347
peak_38614	chr23	24257827	24258171	52695	intron (NM_200454, intron 3 of 15)	NM_200454	ptpn11b	5.575521825	3.95519709	1.620324735	0.01425
peak_27247	chr4	19749792	19750597	1507	intron (NM_001045143, intron 1 of 36)	NM_001045143	nav3	7.922725387	6.302514582	1.620210804	0.000846
peak_34106	chr20	45743931	45744748	119276	Intergenic	NM_001080702	zgc:158643	7.453827191	5.833672378	1.620154814	0.005653
peak_18686	chr3	31969467	31970181	-28367	Intergenic	NM_131373	gfap	8.61976726	6.999612803	1.620154458	1.98E-05
peak_17488	chr15	1270829	1271587	75116	Intergenic	NM_001037426	mfsd1	8.365258067	6.745125036	1.620133031	9.69E-06
peak_37418	chr6	54225077	54225455	78460	intron (NM_001033728, intron 9 of 9)	NM_001013542	zgc:101577	5.8326138	4.212754411	1.619859389	0.011483
peak_39063	chr6	44599711	44600052	-266599	Intergenic	NM_001256392	pdzrn3b	5.814688996	4.194850799	1.619838197	0.015422
peak_22509	chr15	43846566	43847111	-49428	Intergenic	NR_023326		7.172430897	5.55265093	1.619779967	0.000136
peak_30947	chr11	43920503	43920958	74073	Intergenic	NM_001001823	tdrd3	5.968664321	4.349077277	1.619587044	0.002587
peak_21592	chr8	55677962	55678672	13139	intron (NM_131212_1, intron 3 of 3)	NM_131212_1	exorh	6.630817173	5.011248193	1.61956898	8.97E-05
peak_39342	chr9	57914280	57915191	44167	Intergenic	NM_001040052	rpl31	5.510737138	3.891497402	1.619239736	0.016172
peak_20766	chr17	10064672	10065294	-34593	intron (NM_131432, intron 15 of 24)	NM_001170739	mgaa	8.48221185	6.863404692	1.618807158	6.01E-05
peak_22823	chr16	4773140	4773670	131140	Intergenic	NM_131408	vegfaa	8.192007877	6.573713184	1.618294693	0.000156
peak_30069	chr17	21546786	21547155	67197	Intergenic	NM_001115098	hmx2	6.2948114	4.676762117	1.618049283	0.002062
peak_35236	chr8	40146064	40146361	-247218	Intergenic	NM_001083829	pcsk5b	3.961605146	2.344084421	1.617520725	0.007237
peak_35107	chr7	31647267	31648596	-30492	Intergenic	NM_001160335	serf2	8.658455013	7.041029795	1.617425218	0.007048
peak_18183	chr23	2117501	2119913	-59585	Intergenic	NM_001002301	prdm5	9.937456011	8.320096424	1.617359587	1.51E-05
peak_24330	chr24	25666538	25666985	-10796	exon (NM_199791, exon 14 of 14)	NM_001100152	amer2	7.128390782	5.511145133	1.617245649	0.000296
peak_30114	chr3	8040819	8041099	-14929	Intergenic	NM_001089399	trim35-19	5.65287205	4.035761556	1.617110494	0.002088
peak_19587	chr7	12357073	12357661	-155454	Intergenic	NM_001080704	mesdc2	7.447787763	5.830709451	1.617078313	3.25E-05
peak_29236	chr23	40285828	40286626	-61972	Intergenic	NM_001082482	ghrhrl	6.949350963	5.332634255	1.616716709	0.001629
peak_20329	chr9	34906150	34906771	-13692	Intergenic	NR_039078		8.29683617	6.680214966	1.616621204	4.91E-05
peak_26149	chr11	21602731	21603140	-8317	Intergenic	NM_200419	tpst2	6.733996154	5.117433648	1.616562506	0.000579
peak_24837	chr25	31995597	31996139	38941	Intergenic	NR_030401		6.742451612	5.125913573	1.616538039	0.000364
peak_25374	chr22	39553668	39554056	14923	Intergenic	NM_201294	b3gnt7	6.559239876	4.943145567	1.61609431	0.000444
peak_19134	chr9	9806899	9807433	83144	intron (NM_131381, intron 9 of 11)	NM_001098617	nr1i2	7.780534737	6.164631716	1.615903021	2.55E-05

peak_22848	chr14	14026375	14026845	-6364	Intergenic	NM_001159584	itln3	6.965832482	5.350146502	1.61568598	0.000157
peak_20966	chr17	43823767	43824283	86232	Intergenic	NM_212602	ahsa1l	7.063139975	5.447497242	1.615642734	6.58E-05
peak_31915	chr12	4075453	4075808	-90074	Intergenic	NM_001114916	coa3	6.02321233	4.407648231	1.615564099	0.003358
peak_37212	chr16	21968360	21968995	9335	intron (NM_200816, intron 1 of 10)	NM_200816	hdac9b	7.106006395	5.490722993	1.615283402	0.011031
peak_32017	chr4	2394922	2395258	1854	intron (NM_200897, intron 1 of 9)	NM_200897	csrp2	6.132783983	4.518025843	1.61475814	0.003443
peak_25857	chr8	54463775	54464294	44680	intron (NM_131296, intron 3 of 12)	NM_131296	tcf7l1b	7.521003995	5.906318226	1.614685769	0.000523
peak_39268	chr17	29265107	29265416	43013	Intergenic	NM_001003513	traf3	5.646276831	4.031627513	1.614649318	0.016008
peak_31687	chr22	40422716	40423084	-87216	Intergenic	NM_213118	sox2	6.131234817	4.516866302	1.614368514	0.003158
peak_26685	chr11	45566641	45567004	-2173	Intergenic	NM_214752	irf2bp2b	6.054370901	4.440039791	1.61433111	0.000697
peak_37091	chr1	40923482	40923961	-31615	Intergenic	NM_001077559	scoca	7.208641113	5.594480909	1.614160204	0.010757
peak_41267	chr14	8383112	8383450	43940	intron (NM_001145091, intron 6 of 10)	NM_200468	eif1ad	5.791433536	4.17746125	1.613972286	0.022229
peak_38920	chr16	8677270	8677546	-14636	Intergenic	NM_199515	prdm1a	5.920367656	4.306574096	1.613793561	0.015048
peak_18445	chr12	50552151	50552908	-11478	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	7.59022035	5.976772826	1.613447525	1.73E-05
peak_35646	chr4	12410004	12410511	-66297	Intergenic	NM_213485	cand1	6.436423931	4.822992316	1.613431616	0.007909
peak_24505	chr12	36669154	36669645	-195427	Intergenic	NM_200770	fscn2b	6.337128491	4.723744882	1.61338361	0.000318
peak_23820	chr5	54793993	54794666	22466	intron (NM_213514, intron 3 of 11)	NM_213514	serinc5	8.444888414	6.831506182	1.613382232	0.000239
peak_20515	chr22	16238827	16239679	-4644	Intergenic	NM_001007386	dph5	8.002478429	6.389207643	1.613270785	5.34E-05
peak_37585	chr13	21138468	21138937	-459246	Intergenic	NM_001144786	si:ch1073-126c3.	6.546097177	4.93283166	1.613265517	0.011819
peak_39119	chr4	17195550	17195913	73864	intron (NM_001100017, intron 3 of 25)	NM_001100017	anks1b	6.107141744	4.493950903	1.613190841	0.015598
peak_19327	chr15	45919487	45919989	134760	intron (NM_001278822, intron 2 of 6)	NM_001278822	igsf11	7.61606071	6.003076114	1.612984596	2.82E-05
peak_19970	chr1	60284539	60286505	-5011	Intergenic	NM_201088	parn	9.084858583	7.472082531	1.612776052	4.05E-05
peak_20268	chr14	33436310	33437552	135998	Intergenic	NM_182868	f9a	10.30533387	8.692660361	1.612673506	4.75E-05
peak_37115	chr8	1760778	1761107	70395	Intergenic	NM_205739	dgcr6	5.28070812	3.668134761	1.612573359	0.010808
peak_16296	chr12	44234921	44236398	46979	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	9.981470289	8.368922097	1.612548193	4.58E-06
peak_32834	chr2	614452	615022	-204459	Intergenic	NM_212920	wrnip1	6.559472997	4.946982019	1.612490978	0.004203
peak_41913	chr1	24099302	24099581	63935	Intergenic	NM_001003597	mnd1	3.895012766	2.282535302	1.612477464	0.024374
peak_42712	chr14	21391056	21391624	233489	Intergenic	NM_152963	fmr1	4.417440195	2.804973917	1.612466278	0.027332
peak_17586	chr10	338028	339322	24879	intron (NM_131836, intron 4 of 5)	NM_199984	zgc:56039	9.042485478	7.430080475	1.612405004	1.05E-05
peak_31544	chr2	684111	684580	186049	Intergenic	NM_131728	foxc1a	7.119229348	5.506978872	1.612250476	0.003033
peak_29638	chr14	9910959	9911314	-117445	Intergenic	NM_213447	tmem129	5.73252551	4.120495547	1.612029963	0.001825
peak_23621	chr6	59533609	59534054	17240	intron (NM_001142376, intron 4 of 16)	NM_001142376	caskb	6.487374214	4.875456497	1.611917716	0.000217
peak_41671	chr19	29122138	29122402	88315	Intergenic	NR_105066		5.866236087	4.254375225	1.611860863	0.023542
peak_29259	chr18	8899794	8900327	-47494	Intergenic	NM_001045084	sema3e	5.905363553	4.293754662	1.611608891	0.001644
peak_32675	chr19	9159874	9160482	-1168	Intergenic	NM_200809	dpm3	6.540911861	4.929484342	1.611427519	0.004055
peak_20088	chr18	9435775	9436226	322790	Intergenic	NM_001100024	LOC566572	7.656709621	6.045470746	1.611238875	4.33E-05
peak_22793	chr10	42197471	42198266	-5085	Intergenic	NM_131404	pcna	8.468899842	6.857851862	1.61104798	0.000153
peak_43981	chr4	43157410	43158036	-1437930	Intergenic	NM_001114884	zgc:174696	2.636144784	1.025291106	1.610853678	0.032858
peak_37670	chr15	46667352	46667852	-59990	Intergenic	NM_205646	zgc:77147	5.616508912	4.005749604	1.610759308	0.011982
peak_29423	chr9	57286141	57286379	-102149	Intergenic	NM_001166337	nlgn4b	5.241043983	3.63041597	1.610628013	0.001717
peak_37993	chr7	14747183	14747455	10142	intron (NM_200705, intron 4 of 7)	NM_200705	rlbp1a	5.851036155	4.240417775	1.61061838	0.012728
peak_42066	chr17	29931540	29931930	4711	intron (NM_212954, intron 2 of 5)	NM_212954	esrrga	6.107423445	4.497079241	1.610344204	0.02488
peak_39416	chr2	14628442	14628809	71143	Intergenic	NM_001083863	LOC795615	3.229335828	1.619008811	1.610327016	0.016362
peak_28104	chr3	21548075	21548634	47106	Intergenic	NM_001003857	itga2b	8.010885918	6.400779203	1.610106715	0.001142
peak_38429	chr8	55439660	55440032	11752	Intergenic	NR_045219		3.890572412	2.280630808	1.609941604	0.013844
peak_41610	chr4	26448269	26448621	-35027	Intergenic	NM_001082941	zbed4	4.711281052	3.10211692	1.609164133	0.023342
peak_35632	chr16	56754085	56754611	-54566	Intergenic	NM_200956	ptdss1a	6.521841655	4.912881722	1.608959933	0.007897
peak_37328	chr23	45410237	45410932	-10094	Intergenic	NM_001009916_2	tfr2	6.048735907	4.440168266	1.608567641	0.011279
peak_37794	chr12	34791038	34791453	110	5' UTR (NM_001201562, exon 1 of 19)	NM_001201562	ccdc57	3.688341143	2.079789511	1.608551632	0.012271
peak_37521	chr12	41982207	41982585	-1147347	Intergenic	NM_212880	zgc:76887	5.867366357	4.259043896	1.608322461	0.011714
peak_27874	chr4	11867541	11868146	-7826	Intergenic	NM_001159768	b2m	7.62423806	6.016030841	1.60820722	0.001057
peak_34308	chr22	32377462	32378009	1433	exon (NM_198978, exon 2 of 11)	NM_198978	pdcd4b	6.492295346	4.884260292	1.608035053	0.005918
peak_32748	chr12	25081192	25081838	-153457	Intergenic	NM_001035261	svila	6.936305312	5.328555796	1.607749517	0.004128
peak_23051	chr6	36187879	36188568	27913	Intergenic	NM_001109843	rhcgl1	7.386819339	5.779269026	1.607550313	0.000173
peak_27915	chr17	27509549	27509864	-70026	intron (NM_001007398, intron 4 of 4)	NM_131224	qkia	5.336856522	3.72930652	1.607550002	0.001072
peak_38764	chr11	586043	586467	-2985	Intergenic	NM_001076651	tsen2	4.752693915	3.145194496	1.60749942	0.014646
peak_27291	chr23	7621840	7622154	-476	promoter-TSS (NM_200510)	NM_200510	tm9sf4	6.265036928	4.657665048	1.60737188	0.000857
peak_27240	chr13	26093609	26094134	16774	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	6.782427528	5.175146469	1.607281059	0.000845
peak_19852	chr13	2308987	2310609	-89200	Intergenic	NM_199718	fbxo9	8.349274439	6.74200944	1.607264999	3.77E-05
peak_25215	chr12	23131056	23131380	91509	Intergenic	NM_001020680	mrpl27	6.167545361	4.560318084	1.607227278	0.000418
peak_26235	chr6	37532246	37532724	-39567	intron (NM_001030077, intron 15 of 16)	NM_001018141	tubgcp5	6.275308541	4.668243738	1.607064803	0.000596
peak_31348	chr15	27483604	27483862	13465	exon (NM_212573, exon 7 of 8)	NM_212573	foxn1	6.212814248	4.60583191	1.606982338	0.002879
peak_31984	chr9	41252235	41252511	-167657	Intergenic	NM_001161762	si:zfos-1425h8.1	5.967610718	4.360700779	1.606909939	0.003416
peak_41301	chr15	36096679	36096951	-147471	Intergenic	NM_205576	psenen	5.527572549	3.920681519	1.60689103	0.02232
peak_32089	chr18	13884273	13884614	-23572	Intergenic	NM_001089503	mlycd	4.810385827	3.203760116	1.606625711	0.0035
peak_23380	chr17	15749815	15750275	9711	exon (NM_001083014, exon 2 of 19)	NM_001083014	syne3	7.402673422	5.796201292	1.606472131	0.000197
peak_42025	chr5	30808062	30809401	10330	intron (NM_001013315, intron 8 of 12)	NM_001013315	dpp7	6.509090622	4.902798724	1.606291897	0.024783
peak_25815	chr5	18175383	18175947	74723	Intergenic	NM_001080199	piwil2	7.220205661	5.614033062	1.606172599	0.000516
peak_23799	chr24	4307206	4307885	-80953	Intergenic	NM_201461	klf6a	7.090413661	5.484241647	1.606172014	0.000236
peak_38292	chr20	6198047	6198373	4909	intron (NM_001005598, intron 1 of 3)	NM_001005598	ttr	3.989636937	2.383467907	1.60616903	0.0135
peak_26521	chr24	39339039	39339320	15482	Intergenic	NM_001007426_1	ccpg1	5.383516031	3.777361645	1.606154386	0.000658
peak_38865	chr8	41383719	41384208	67457	Intergenic	NM_001083829_1	pcsk5b	5.830661017	4.224595538	1.606065479	0.014916
peak_37655	chr13	47332341	47332936	-67452	Intergenic	NM_001003869	fbxo5	6.500588941	4.894690324	1.605898616	0.011952
peak_35064	chr18	34832981	34833837	-89242	Intergenic	NM_001044331	siae	4.751878154	3.146101839	1.605776315	0.006971
peak_28164	chr25	23721645	23722080	53973	intron (NM_200880, intron 3 of 6)	NM_200880	dusp8a	7.19727403	5.591826413	1.605447617	0.001163
peak_19753	chr4	61189999	61191759	36261	Intergenic	NM_001002543	zgc:92791	9.773905408	8.168506791	1.605398617	3.56E-05
peak_29641	chr20	17663736	17664278	-122014	Intergenic	NM_131081	cdh2	6.675923238	5.070695064	1.605228174	0.001826
peak_24435	chr18	8855394	8855690	18546	intron (NM_131061, intron 1 of 16)	NM_131061	sema3ab	6.047406821	4.442222304	1.605184517	0.000308
peak_22644	chr2	59152575	59153150	61485	intron (NM_212882_1, intron 3 of 9)	NM_212882_1		7.160466395	5.555324558	1.605141837	0.000144
peak_20660	chr16	51307644	51308537	296735	Intergenic	NM_001003763	eif3ha	7.86623059	6.261210753	1.605019837	5.73E-05
peak_20064	chr3	36957724	36958564	103661	Intergenic	NM_001039983	ezh1	8.738330039	7.133369736	1.604960304	4.29E-05
peak_21013	chr14	38914911	38915785	708449	Intergenic	NM_001048055	lect2l	9.177695151	7.572736532	1.604958619	6.75E-05
peak_30340	chr14	19503805	19504514	95353	Intergenic	NM_001020594	neurl1b	5.121460037	3.51652803	1.604932007	0.00222
peak_35314	chr14	25752300	25752869	8213	intron (NM_131736, intron 1 of 35)	NM_131736	slit3	6.382198738	4.777836702	1.604362036	0.007343
peak_19410	chr18	46983677	46985393	-7834	Intergenic	NM_131348	fli1a	10.17832697	8.574325286	1.604001685	2.95E-05
peak_16614	chr7	20378759	20379692	201	exon (NM_001110837, exon 1 of 10)	NM_001110837	il13ra1	9.771785537	8.167811269	1.603974268	5.65E-06
peak_36303	chr20	7963096	7963447	201204	Intergenic	NM_001244756	bloc1s2	6.121441614	4.517474724	1.603966891	0.009129
peak_32320	chr10	28193791	28194124	462344	Intergenic	NM_152948	cxadr	6.27757755	4.673631134	1.603946416	0.00371
peak_38207	chr7	10929359	10929653	-234099	Intergenic	NM_214730	asb7	4.701075755	3.0973018	1.603773955	0.013293
peak_19487	chr2	39382274	39382733	-2478	Intergenic	NM_001256642	spsb4a	7.928071904	6.32461744	1.603454464	3.06E-05
peak_33635	chr4	49465672	49466040	323117	Intergenic	NR_030521		4.64320069	3.040033802	1.603166889	0.005072
peak_17672	chr25	5197375	5198187	-4670	Intergenic	NM_001077725	athl1	8.972399867	7.369239951	1.603159917	1.11E-05
peak_40757	chr12	36687992	36688721	-176470	Intergenic	NM_200770	fscn2b	7.10201096	5.499049575	1.602961385	0.020408
peak_27628	chr9	22157125	22157446	-24378	Intergenic	NM_200483	hao2	5.924717384	4.322180114	1.60253727	0.000968
peak_24353	chr11	38501681	38503390	6583	intron (NM_001040385, intron 6 of 8)	NR_030659		8.663346902	7.061261132	1.60208577	0.000299
peak_42763	chr23	39392214	39392923	-8287	Intergenic	NM_001045224	bmf1	6.871503119	5.269635278	1.60186784	0.027535
peak_17533	chr11	19439472	19440116	78296	intron (NM_001007063, intron 4 of 21)	NM_001110031	rhol	9.672372735	8.070568264	1.601804471	1.00E-05
peak_24633	chr15	27559824	27560270	8993	Intergenic	NM_001020672	vtna	7.058684454	5.457018164	1.601666291	0.000335
peak_26257	chr5	54773073	54773427	43545	intron (NM_213514, intron 8 of 11)	NM_213514	serinc5	6.440197212	4.838818076	1.601379135	0.0006
peak_30155	chr13	38265	39164	-731	promoter-TSS (NM_200001)	NM_200001	smek2	7.001020198	5.399750466	1.601269732	0.002113
peak_40597	chr11	2810815	2811124	68893	Intergenic	NM_001080669	srpk1b	3.508324013	1.907069477	1.601254536	0.019922
peak_20547	chr9	16395066	16395609	-83099	Intergenic	NM_200144	upp2	8.386753653	6.78557351	1.601180143	5.45E-05
peak_39946	chr12	46548778	46549401	72346	Intergenic	NM_212942	fbxl15	6.235493604	4.634755814	1.60073779	0.017882
peak_20125	chr6	23989051	23989555	-21653	Intergenic	NM_200998	rae1	7.260008643	5.659288433	1.60072021	4.43E-05
peak_32143	chr16	97209	97566	-35771	Intergenic	NM_200627_1	cdkal1	6.310441227	4.710069662	1.600371565	0.003534
peak_25581	chr2	40005021	40005496	-19877	Intergenic	NM_001130655_1	si:ch211-122l24.4	6.515819635	4.915462681	1.600356954	0.000477

peak_22525	chr3	27864265	27864890	-201	promoter-TSS (NM_201157)	NM_201157	arhgdig	7.743996789	6.143731342	1.600265448	0.000136
peak_27150	chr10	11531347	11531832	167490	Intergenic	NM_201103	cwc27	6.938447464	5.338296756	1.600150708	0.000818
peak_35448	chr7	24065501	24066146	58058	Intergenic	NM_131843	tnfsf10l	5.307635975	3.707490927	1.600145048	0.007567
peak_27961	chr23	13820610	13820904	104549	Intergenic	NR_030650		6.341473034	4.741371069	1.600101965	0.001091
peak_42117	chr5	75302317	75302890	-6239	Intergenic	NM_173268	ddx54	3.842248838	2.24223701	1.600011828	0.02504
peak_31672	chr2	54703105	54703424	-217426	Intergenic	NM_001017676	capsla	4.831433437	3.231524681	1.599908756	0.003146
peak_41528	chr5	64700583	64700903	1	promoter-TSS (NM_001166445)	NM_001166445	si:dkey-261j4.3	3.331406352	1.731514499	1.599891853	0.023022
peak_27681	chr9	21800346	21800746	-13898	Intergenic	NM_200507	fam46c	6.129647348	4.529759999	1.599887349	0.000983
peak_29523	chr7	10263166	10263589	156521	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	6.796782592	5.196911392	1.5998712	0.001769
peak_37054	chr17	36354889	36355249	-296334	Intergenic	NM_131336	sox11a	6.214870396	4.615020501	1.599849895	0.010672
peak_40181	chr14	31680281	31680639	15232	Intergenic	NM_213641	cfl2l	4.948806776	3.348988137	1.599818639	0.018559
peak_40216	chr15	40405104	40405414	63659	Intergenic	NM_001002430	pxylp1	5.783449089	4.183656938	1.599792151	0.018649
peak_38297	chr5	60042012	60042374	23229	intron (NM_001199683, intron 8 of 12)	NM_001045255	pou2f3	5.582879772	3.983189335	1.599690437	0.013513
peak_37645	chr24	3689785	3690212	133316	Intergenic	NM_001168264	wdr37	5.634792137	4.035115705	1.599676433	0.011935
peak_18837	chr12	37458564	37459228	59887	Intergenic	NM_001278802	kcnj2a	8.119382868	6.519977561	1.599405306	2.17E-05
peak_27164	chr18	959374	960501	68820	TTS (NM_205705)	NM_205705	nptnb	7.33206487	5.733030526	1.599034343	0.000823
peak_39829	chr19	14977739	14978985	24308	Intergenic	NM_001100952	ppp1r8a	4.670271331	3.071310572	1.598960759	0.017499
peak_18959	chr1	30312217	30313050	143940	Intergenic	NM_001017795	eef1a1b	8.085627655	6.486735334	1.598892321	2.32E-05
peak_32546	chr14	24702463	24702911	890	exon (NM_001020711, exon 1 of 8)	NM_001020711	nr3c1	6.695184056	5.096839034	1.598345022	0.003935
peak_26978	chr18	32592551	32592896	2696	intron (NM_001014354, intron 1 of 13)	NM_001014354	kcnab1	5.489822607	3.891538825	1.598283781	0.000774
peak_24327	chr5	69025895	69027088	-4078	Intergenic	NM_131087	jak2b	9.187028625	7.588821232	1.598207393	0.000296
peak_28453	chr9	21567978	21568415	-19327	Intergenic	NM_001256622	wu:fj20e02	7.046741819	5.448571513	1.598170306	0.001269
peak_34863	chr12	2282456	2282761	-125245	Intergenic	NM_131643	sox9a	6.229059857	4.630924357	1.5981355	0.006657
peak_31318	chr19	39963881	39964484	4290	intron (NM_001044795, intron 1 of 9)	NM_001044795	smap2	6.965666852	5.367582721	1.598084131	0.002858
peak_28498	chr18	45654590	45655063	-93259	Intergenic	NM_199925	zgc:77304	6.647180119	5.049322334	1.597857784	0.00129
peak_24001	chr18	19917400	19917719	-89959	Intergenic	NM_131012	gro2	6.055051688	4.457441063	1.597610625	0.000256
peak_42085	chr17	7167190	7167684	-292851	Intergenic	NM_201151	fbxo30a	5.83877329	4.241239837	1.597533452	0.024952
peak_29690	chr24	36412663	36413612	-265284	Intergenic	NM_001030067	pcmtd1	7.361059341	5.763657411	1.59740193	0.001858
peak_41911	chr4	7671491	7672020	-81357	Intergenic	NM_130937	wnt5b	6.826222859	5.22884429	1.597378569	0.024372
peak_18138	chr18	44591379	44592199	126	exon (NM_001030074, exon 1 of 3)	NM_001030074	kcnk6	8.622050429	7.024735743	1.597314685	1.48E-05
peak_25640	chr24	43874493	43875923	1882	TTS (NM_001035265)	NM_001035265	ahrra	8.450500099	6.853238049	1.597262049	0.000486
peak_26672	chr24	33519235	33519697	137791	Intergenic	NM_131872	vim	6.214887664	4.617664851	1.597222813	0.000692
peak_17866	chr7	60586682	60587870	-103	promoter-TSS (NM_001042686)	NM_001042686	hspa12b	10.22963952	8.632517634	1.597121887	1.25E-05
peak_38874	chr5	17623852	17624080	30438	Intergenic	NM_001100957	hspb8	3.742004936	2.145127337	1.596877598	0.01493
peak_35891	chr6	18780389	18780708	51852	Intergenic	NM_001114571	zgc:174863	4.47602896	2.87920464	1.596824321	0.008348
peak_29548	chr5	20366744	20367081	314319	Intergenic	NM_201009	aacs	5.68535349	4.088783341	1.596570148	0.001787
peak_26212	chr16	40466463	40466868	-336774	Intergenic	NM_200570	selenbp1	6.510779336	4.914841004	1.595938332	0.000592
peak_34443	chr8	39002923	39003363	-28459	Intergenic	NM_001039526	prlhr2a	7.108398356	5.512741654	1.595656702	0.006113
peak_26046	chr7	14364653	14365044	-44635	Intergenic	NM_001099248	ankdd1a	6.791024937	5.195439004	1.595585933	0.000558
peak_41171	chr3	29986812	29987122	35500	exon (NM_200641, exon 3 of 4)	NM_001001590	rpl3	5.528553275	3.933013302	1.595539973	0.021906
peak_34270	chr19	29109686	29109966	100759	Intergenic	NR_105066		5.820970704	4.225844081	1.595126623	0.005863
peak_34755	chr2	45716846	45717169	2241	intron (NM_213489, intron 2 of 6)	NM_213489	prpf38b	6.075465841	4.480404089	1.595061752	0.0065
peak_26404	chr9	55190628	55191047	88639	Intergenic	NM_001009888	sox21b	6.502786747	4.907855598	1.594931149	0.000632
peak_43739	chr4	61167576	61167906	-18485	Intergenic	NM_200610	dopey2	4.144641387	2.549799489	1.594841899	0.031899
peak_29568	chr6	53853124	53853645	-32970	Intergenic	NM_001013503	cacna2d2	6.432821025	4.838252275	1.59456875	0.001794
peak_27992	chr24	1096107	1096498	48144	Intergenic	NM_001034971	itgb1a	6.354744403	4.760208304	1.594536099	0.001101
peak_38448	chr6	4061852	4062121	-193652	Intergenic	NM_200247	unc50	5.964424746	4.370036156	1.59438859	0.013879
peak_34164	chr6	24702585	24703035	421050	Intergenic	NM_001024224	cygb2	4.447031973	2.853197763	1.59383421	0.005715
peak_27778	chr23	37503402	37503722	-61403	Intergenic	NM_001008628	pink1	5.729213663	4.135923009	1.593290654	0.001024
peak_19369	chr13	40050420	40051723	236	exon (NM_001202417, exon 1 of 1)	NM_001202417	marveld1	10.23125427	8.638118433	1.593135838	2.87E-05
peak_25798	chr7	49262901	49263321	445093	Intergenic	NM_131427	cpeb1b	6.602975521	5.009866414	1.593109107	0.000513
peak_26532	chr12	34475799	34476211	119843	Intergenic	NM_130982	nog3	6.240171705	4.647107526	1.593064179	0.00066
peak_20066	chr1	59971120	59972521	-6951	Intergenic	NM_213219	akap8l	10.35265909	8.759976518	1.592682577	4.29E-05
peak_28070	chr6	24450977	24451383	169420	Intergenic	NM_001024224	cygb2	6.531883551	4.939291368	1.592592183	0.001127
peak_38280	chr10	37363725	37364153	-1165	Intergenic	NM_001128407	or108-2	6.286369273	4.694138208	1.592231065	0.013464
peak_42963	chr15	45419151	45419525	342337	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	5.819391483	4.227270697	1.592120786	0.02845
peak_42985	chr3	21465051	21465390	26409	exon (NM_001006067, exon 4 of 4)	NM_001077456	zgc:153968	6.310441227	4.718345591	1.592095636	0.028581
peak_40115	chr14	38189661	38189968	-5036	Intergenic	NM_001020465	zgc:113271	5.472567065	3.880555652	1.592011413	0.018363
peak_21041	chr1	4115807	4116395	-57148	Intergenic	NM_001003842	spry2	8.490394322	6.898441289	1.591953032	6.85E-05
peak_26868	chr10	45501407	45501875	5030	3' UTR (NM_001003743, exon 10 of 10)	NM_001006044	cldn5b	7.046233161	5.454564821	1.59166834	0.000745
peak_26225	chr9	13866236	13866777	-143318	Intergenic	NM_001076586	abi2a	6.435871685	4.844291678	1.591580007	0.000595
peak_19118	chr12	17682301	17683110	3696	Intergenic	NM_131198	ctsl1b	8.315085955	6.723525716	1.591560239	2.54E-05
peak_26414	chr22	24828665	24829268	126194	intron (NM_001017710, intron 5 of 7)	NM_001003617	nek7	6.93050721	5.339494325	1.591012885	0.000635
peak_25387	chr13	38819634	38820106	196411	Intergenic	NR_120381		7.488000991	5.897096904	1.590904087	0.000446
peak_40735	chr17	32233177	32233515	328864	Intergenic	NM_001013327	mettl10	5.859034979	4.268204758	1.590830221	0.020341
peak_40980	chr23	4679295	4679658	80001	intron (NM_181498_1, intron 5 of 5)	NM_199749	cnbpa	6.266751174	4.676325026	1.590426148	0.021225
peak_35779	chr11	44499422	44500217	11482	intron (NM_214686, intron 6 of 6)	NM_214686	sult6b1	6.789003404	5.198578772	1.590424631	0.008169
peak_38526	chr8	5829666	5829962	35859	Intergenic	NM_200346	diabloa	5.84263201	4.252265615	1.590366395	0.014057
peak_22675	chr23	14265828	14266253	56401	intron (NM_001083555, intron 6 of 14)	NM_001083555	cacnb3a	6.940407443	5.350286893	1.590120549	0.000147
peak_35643	chr12	11307011	11307491	64520	intron (NM_001002223, intron 6 of 12)	NM_001003740	psmc5	4.277877455	2.687915458	1.589961998	0.007904
peak_18474	chr16	3957718	3958620	-54733	Intergenic	NM_001020660	cyb5r4	8.084003353	6.494189926	1.589813427	1.76E-05
peak_36320	chr17	52103414	52103906	-49859	Intergenic	NM_001012488	zgc:113142	6.611782718	5.022095887	1.589686831	0.009174
peak_21896	chr1	14235938	14236490	250786	Intergenic	NM_001045485	pi4k2b	7.980239002	6.390554335	1.589684667	0.000104
peak_31935	chr6	40358496	40358907	7188	Intergenic	NM_001013488	ccdc174	6.447787763	4.858141628	1.589646136	0.003374
peak_42453	chr3	20963761	20964280	83535	Intergenic	NM_213417	ndufa4l	3.348774912	1.759238237	1.589536674	0.026238
peak_38730	chr23	15299117	15299855	141726	Intergenic	NM_001003833	sulf2b	6.756167631	5.166930072	1.589237559	0.014537
peak_34929	chr4	32949097	32949350	-82185	Intergenic	NM_001126485	LOC100006564	4.066598018	2.477452833	1.589145186	0.006767
peak_26879	chr2	3096792	3097284	6285	exon (NM_001002189, exon 3 of 3)	NM_001002189	bambib	6.28070812	4.6922676	1.588440519	0.000747
peak_27704	chr5	69652653	69653125	92358	Intergenic	NM_001013309	htatip	7.597530391	6.009252363	1.588278027	0.000992
peak_24566	chr3	13399665	13400331	-95183	Intergenic	NR_045224		8.505682549	6.917500479	1.58818207	0.000326
peak_20482	chr19	454583	454976	-12823	Intergenic	NM_200674	dus3l	7.351770597	5.763657986	1.588112611	5.25E-05
peak_22382	chr21	3604288	3604735	84858	Intergenic	NM_175082	smad7	8.524895991	6.936801002	1.588094989	0.000129
peak_20427	chr13	11136995	11137404	-18711	Intergenic	NM_001082952	zbtb18	7.483816647	5.896125299	1.587691349	5.13E-05
peak_32397	chr23	41933318	41933666	74162	Intergenic	NM_181764_1		4.773790299	3.186325697	1.587464602	0.003785
peak_29883	chr19	1935948	1936320	42622	intron (NM_198819, intron 13 of 28)	NM_200029	rplp1	5.822891322	4.23565752	1.587233802	0.001958
peak_27412	chr4	51599355	51600636	-525389	Intergenic	NM_001109839_1	zgc:173617	5.430783662	3.843632367	1.587151295	0.000897
peak_23904	chr23	3419674	3420216	3610	TTS (NM_131015)	NM_131015	mafba	7.764012469	6.176885362	1.587127107	0.000247
peak_22236	chr18	41379100	41379651	55213	intron (NM_001167569, intron 2 of 5)	NM_001167569	pvrl1b	7.301811675	5.714710926	1.587100749	0.000121
peak_25109	chr25	16818273	16818656	105292	Intergenic	NM_212847	tead1a	7.251784188	5.664694435	1.587089753	0.000403
peak_25943	chr8	26386818	26387690	71220	Intergenic	NM_213456	stk38a	9.092421836	7.505551785	1.586870051	0.00054
peak_21858	chr24	40400696	40401318	29470	Intergenic	NM_212748	rpn2	8.026762376	6.440081293	1.586681083	0.000102
peak_38840	chr5	4406799	4407070	10619	exon (NM_001076726, exon 5 of 6)	NM_001076726	zgc:153704	6.018471901	4.431797688	1.586674213	0.014855
peak_21882	chr14	36246980	36247763	137811	Intergenic	NM_001007108	il12ba	7.678924205	6.092413846	1.58651036	0.000103
peak_21143	chr1	60018136	60020405	3497	intron (NM_201038, intron 4 of 7)	NM_214747	wfikkn1	9.173539924	7.587146846	1.586393078	7.20E-05
peak_25037	chr13	19452614	19453153	85291	Intergenic	NM_131280	emx2	7.874432413	6.288117643	1.58631477	0.000392
peak_36359	chr17	5013312	5013953	-80540	intron (NM_001002625, intron 3 of 11)	NM_212858	runx2a	5.513655647	3.927616614	1.586039033	0.009245
peak_29855	chr7	35087176	35087619	-69124	Intergenic	NM_131780	gro1	6.463861277	4.878043326	1.585817951	0.001942
peak_35319	chr16	44540880	44541695	33093	Intergenic	NM_199750	psmc4	4.28916694	2.70343532	1.58573162	0.007349
peak_26329	chr22	4477809	4478407	-38159	Intergenic	NM_001130638	zgc:195170	6.461617871	4.875897967	1.585719904	0.000616
peak_39759	chr14	46773189	46773797	221921	Intergenic	NM_001044886	si:ch211-240l14.:	6.78443502	5.199136474	1.585298547	0.017265
peak_35247	chr12	28440247	28440591	-7993	Intergenic	NM_001077161	znf438	6.438930692	4.853689719	1.585240973	0.007262
peak_37498	chr1	6840860	6841265	7726	intron (NM_001128672_1, intron 1 of 11)	NM_001128672_1	mxb	3.857496901	2.272671686	1.584825215	0.011654
peak_25323	chr10	28783393	28784221	15174	intron (NM_001281468, intron 2 of 29)	NM_001281468	med13a	8.186274026	6.601472608	1.584801418	0.000436
peak_19105	chr24	429576	430553	-19985	intron (NM_001013328, intron 2 of 4)	NM_001115059	tgfbr1b	8.174034806	6.589942593	1.584092213	2.52E-05
peak_20600	chr15	21737304	21737852	105189	Intergenic	NM_001077155	nars2	9.333550839	7.749732201	1.583818638	5.60E-05

peak_34811	chr7	42398585	42398894	-144022	Intergenic	NM_199843	shcbp1	6.174885228	4.591586412	1.583298816	0.006569
peak_30777	chr2	52087161	52087543	181590	Intergenic	NM_001083878	LOC100003983	5.862817916	4.279587296	1.58323062	0.00247
peak_37360	chr23	10780255	10780633	48484	intron (NM_001077564, intron 3 of 16)	NM_001077564	foxp1a	5.829910731	4.246744656	1.583166075	0.011336
peak_29249	chr12	32734738	32735089	55375	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	6.585629356	5.002831199	1.582798157	0.001637
peak_24101	chr11	32612826	32613278	25849	intron (NM_001003624, intron 1 of 5)	NM_001003624	diaph3	7.619418835	6.03662185	1.582796985	0.000269
peak_42557	chr24	2157874	2158199	-68680	Intergenic	NM_212616	zgc:85789	6.379032319	4.79628098	1.58275134	0.026686
peak_30505	chr2	55349007	55349462	65863	intron (NM_200150, intron 1 of 8)	NM_200150	ankrd12	6.312118535	4.729655571	1.582462964	0.002314
peak_42602	chr20	51791481	51792010	-17683	Intergenic	NM_001130595	tlr5b	6.50033194	4.918125612	1.582206328	0.026864
peak_23434	chr4	9828493	9829545	42700	TTS (NM_001290178)	NM_001290178	stab2	8.237260296	6.655229103	1.582031193	0.0002
peak_25211	chr17	26612577	26613069	-32337	Intergenic	NM_213104	pgrmc2	6.601378197	5.019583939	1.581794258	0.000418
peak_25142	chr9	43505036	43505371	-13694	intron (NM_182872, intron 3 of 9)	NM_001004010	calcrla	6.324532549	4.743169436	1.581363114	0.000408
peak_30450	chr11	14086604	14086895	-258775	Intergenic	NM_001199872	med16	5.654207859	4.072922658	1.5812852	0.002283
peak_25927	chr22	23732102	23733271	8206	intron (NM_207101, intron 1 of 1)	NM_207101	b3galt2	8.621160581	7.040080956	1.581079625	0.000537
peak_43971	chr16	8042341	8042795	-7043	intron (NM_001271459, intron 3 of 3)	NM_001271460	mbpb	2.555944961	0.975101991	1.58084297	0.032816
peak_40783	chr14	53584388	53584589	13435	intron (NM_001024461, intron 12 of 23)	NM_001024461	polr2b	3.683215657	2.102478665	1.580736992	0.020536
peak_33895	chr9	26784898	26785367	-24046	Intergenic	NM_001135104	zeb2a	6.300975385	4.720311149	1.580664236	0.005399
peak_19396	chr2	28357255	28358377	-214456	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	9.601188315	8.020551969	1.580636347	2.93E-05
peak_19239	chr21	32925715	32926184	72518	Intergenic	NM_199763	rnf145b	7.556673059	5.976342541	1.580330518	2.69E-05
peak_30481	chr7	74422506	74422999	-4988	Intergenic	NM_214699	myl12.1	7.096871234	5.51687423	1.579997004	0.002302
peak_37294	chr17	10938802	10939112	72548	intron (NM_001258228, intron 9 of 10)	NM_001258228	si:ch211-185a18.	5.806069786	4.226104967	1.579964819	0.011208
peak_22921	chr24	6048793	6049317	30197	intron (NM_200738, intron 2 of 9)	NM_200738	abi1a	7.344046429	5.764183862	1.579862567	0.000163
peak_41976	chr23	14202969	14203236	-6537	Intergenic	NM_001083555	cacnb3a	3.951692923	2.372232792	1.579460131	0.02457
peak_43308	chr7	752601	752950	23474	Intergenic	NM_205541	drap1	3.965832482	2.386606557	1.579225925	0.030046
peak_30968	chr22	11704296	11705114	282	5' UTR (NM_001166014, exon 1 of 9)	NM_001166014	gnav1	7.529022555	5.950002433	1.579020122	0.002601
peak_39218	chr20	11763932	11764158	-475716	Intergenic	NM_001100043	flrt2	5.341744134	3.762919329	1.578824804	0.015862
peak_38127	chr23	35491967	35492209	42533	Intergenic	NM_205724	fbxo25	5.61606071	4.03749046	1.57857025	0.013057
peak_18268	chr7	65863026	65863693	-36361	Intergenic	NM_001110485	m1ap	8.459819086	6.88044105	1.578478036	1.59E-05
peak_23490	chr2	39539337	39540268	-76547	Intergenic	NM_001002667	slc25a36a	8.554858463	6.976480979	1.578377484	0.000206
peak_37484	chr3	6769633	6770303	173299	Intergenic	NM_001003625_1	nup85	6.94399359	5.365902054	1.578091536	0.011631
peak_25839	chr11	10431856	10432221	88343	Intergenic	NM_001003883	ect2	6.120791453	4.542760182	1.578031272	0.00052
peak_28973	chr6	48955508	48955823	-13809	Intergenic	NM_001256640	si:ch211-105j21.1	6.068237246	4.490244203	1.577993043	0.001498
peak_26948	chr22	15723523	15724245	126	TTS (NM_213158)	NM_001017541	hsh2d	7.54266104	5.964949162	1.577711878	0.000765
peak_28756	chr5	28478792	28479413	156	intron (NM_001128348, intron 1 of 3)	NM_001128348	si:ch211-102c2.4	7.63102607	6.053373254	1.577652816	0.001398
peak_16720	chr5	29943071	29944089	1821	intron (NM_001256607, intron 1 of 2)	NM_001256607	vamp5	9.594129399	8.016620254	1.577509145	6.02E-06
peak_31426	chr18	3754561	3754889	554276	Intergenic	NM_200555	pdcd10a	5.566217164	3.988874439	1.577342724	0.002929
peak_26942	chr19	22028436	22029060	137742	Intergenic	NM_001042746	tshz1	7.273328517	5.696075922	1.577252595	0.000764
peak_28923	chr23	36123854	36124229	-2383	Intergenic	NM_131165	hoxc11a	5.914890731	4.337722618	1.577168113	0.001479
peak_37269	chr4	39673773	39674534	292376	Intergenic	NM_001109839	zgc:173617	4.702814493	3.125775168	1.577039325	0.011157
peak_23247	chr18	31708954	31709489	-40934	Intergenic	NM_001126451	v2rh7	7.320128587	5.743200427	1.57692816	0.000186
peak_25411	chr13	9571571	9571988	-38027	Intergenic	NM_001030064	rnaset2	6.059014253	4.482190304	1.576823948	0.00045
peak_34850	chr4	38117706	38118047	66597	Intergenic	NM_001114900	zgc:174708	4.162011373	2.585302791	1.576708582	0.006634
peak_42877	chr23	32123553	32123781	28139	Intergenic	NM_001077285	zgc:153910	5.499603187	3.92299232	1.576610868	0.028042
peak_43024	chr17	47083326	47085000	886649	Intergenic	NM_001006009	zgc:103755	3.234016866	1.65742663	1.576590236	0.028705
peak_17657	chr13	22785777	22786725	95	promoter-TSS (NM_001145706)	NM_001145706	mmrn2a	9.289743447	7.713170184	1.576573263	1.10E-05
peak_41210	chr8	22506128	22506557	-378458	Intergenic	NM_194404	dffb	3.498630944	1.922556384	1.576074561	0.022044
peak_39160	chr20	49381874	49382142	-4878	Intergenic	NM_200946	crnkl1	5.282968659	3.70715519	1.575813469	0.015708
peak_29102	chr20	11597454	11597797	-309296	Intergenic	NM_001100043	flrt2	6.135619379	4.560241086	1.575378293	0.001559
peak_39707	chr2	23999728	24000855	40226	intron (NM_001037683, intron 8 of 9)	NM_001115072	si:dkey-24c2.9	5.341233523	3.766600042	1.57463348	0.017156
peak_35289	chr18	35984170	35985361	-289263	Intergenic	NM_001139480	yap1	4.542799588	2.968247121	1.574552467	0.007309
peak_34999	chr14	22843926	22844287	-20260	exon (NM_131714, exon 9 of 11)	NM_131007	spon2a	6.28779341	4.713474035	1.574319375	0.006868
peak_26891	chr12	45759617	45759999	-117493	Intergenic	NM_001202472	LOC100006246	6.115410482	4.541535457	1.573875025	0.000751
peak_22600	chr2	15369618	15370008	13656	exon (NM_001184954, exon 3 of 67)	NM_001184954	col11a1b	6.780240561	5.206472613	1.573767949	0.000141
peak_30497	chr15	29073967	29074561	-3207	Intergenic	NM_001076633	zgc:153372	7.664335306	6.090619615	1.573715692	0.00231
peak_23551	chr11	44886812	44887348	-13397	Intergenic	NM_001015069_1	gli2b	6.998443249	5.424848256	1.573594993	0.000211
peak_43705	chr20	12592475	12592740	462437	Intergenic	NM_173267	ints7	3.093967964	1.520533329	1.573434634	0.031752
peak_21714	chr1	16179347	16179961	60837	intron (NM_212967, intron 4 of 30)	NM_212967	fat1a	7.055712871	5.482450909	1.573261962	9.45E-05
peak_43836	chr24	42012820	42013333	239251	Intergenic	NM_001020507	smyhc1	5.99171148	4.418612923	1.573098557	0.032322
peak_31377	chr8	6764189	6766236	-381377	Intergenic	NM_001130781	vsig8b	5.026608515	3.453531762	1.573076753	0.002899
peak_41927	chr23	39245029	39245544	138995	Intergenic	NM_001045224	bmf1	6.143104908	4.570041793	1.573063115	0.024429
peak_33992	chr17	32109897	32110647	205790	Intergenic	NM_001013327	mettl10	4.546567647	2.973564956	1.573002691	0.005514
peak_19187	chr21	14406975	14408374	14794	intron (NM_131840, intron 1 of 10)	NM_131840	tnfrsfa	9.45612682	7.883170762	1.572956058	2.61E-05
peak_42459	chr20	1253340	1253853	9309	intron (NM_194423, intron 1 of 21)	NM_194423	ankrd6b	7.090404249	5.517507602	1.572896647	0.02626
peak_30679	chr2	5783399	5783892	-25566	Intergenic	NM_001013471	prdx1	7.703763928	6.130993227	1.572770701	0.002413
peak_27755	chr9	53024426	53025049	-111086	Intergenic	NM_001076600	tank	6.601138539	5.028384093	1.572754446	0.001016
peak_24960	chr3	49695536	49695922	24239	Intergenic	NM_200702	atp5h	6.425662711	4.852949197	1.572713514	0.000381
peak_38710	chr14	48303408	48303898	13432	3' UTR (NM_200265, exon 4 of 4)	NM_200265	ttc9c	6.608632061	5.03628898	1.57234308	0.014484
peak_21890	chr24	10426496	10427343	212681	Intergenic	NM_131412	myca	8.986152488	7.414696356	1.571456132	0.000104
peak_36364	chr9	15348978	15349387	351689	Intergenic	NM_131520	fn1a	6.643446292	5.072000287	1.571446006	0.00925
peak_27102	chr19	36527703	36528436	128	intron (NM_213348, intron 1 of 15)	NM_213348	ndrg1a	7.433958361	5.86251707	1.571441291	0.000805
peak_19683	chr20	28274364	28275282	-79	promoter-TSS (NM_001079835)	NM_001079835	dll4	7.937899148	6.366555001	1.571344146	3.44E-05
peak_31237	chr24	24646633	24647048	-109	promoter-TSS (NM_139180)	NM_139180	lyz	6.14841992	4.577131982	1.571287939	0.002795
peak_38994	chr21	38461975	38462222	12719	intron (NM_194384, intron 3 of 9)	NM_194384	aldocb	4.393518857	2.822486827	1.57103203	0.015254
peak_26272	chr13	43075573	43075981	15913	intron (NM_001167662, intron 2 of 9)	NM_001167662	cpeb3	6.28721407	4.716238971	1.570975099	0.000603
peak_32616	chr17	49027610	49027939	63963	Intergenic	NM_212816	gnmt	6.072836253	4.501898103	1.57093815	0.003995
peak_38045	chr10	42896676	42897036	-81923	Intergenic	NM_001002414	cabp1b	5.564359851	3.993635325	1.570724526	0.01288
peak_19059	chr14	47624644	47625335	43365	intron (NM_200840_1, intron 3 of 7)	NM_200840_1	pdlim7	8.712613666	7.141952993	1.570660672	2.46E-05
peak_20619	chr3	12751496	12752107	-28605	Intergenic	NM_001110762	vasnb	8.948018678	7.377394803	1.570623875	5.65E-05
peak_30773	chr16	17443452	17443907	-51147	Intergenic	NM_001020534	mrpl13	6.116995205	4.546667106	1.570328099	0.002468
peak_29762	chr1	39857980	39858883	-48305	Intergenic	NM_130968	tenm3	7.78833059	6.218149795	1.570180795	0.001896
peak_31036	chr11	32885061	32885320	297987	Intergenic	NM_001003624	diaph3	5.807248169	4.237743767	1.569504402	0.002646
peak_43992	chr21	31634327	31634715	47074	Intergenic	NM_194365	adra2db	5.269888677	3.700395236	1.569493442	0.032921
peak_24458	chr5	23679735	23680289	-8445	Intergenic	NM_001099997	LOC559803	7.935376005	6.365904351	1.569471653	0.000311
peak_39158	chr24	15831432	15831944	-279549	Intergenic	NM_001098738	cbln2b	4.348774912	2.779338315	1.569436597	0.015699
peak_20601	chr16	25113690	25114302	67758	Intergenic	NM_001003997	flad1	7.667264912	6.097835189	1.569429723	5.60E-05
peak_33128	chr19	49033213	49033644	149043	Intergenic	NM_173223	sdc2	5.940238868	4.370958847	1.56928002	0.004536
peak_35987	chr20	45789950	45790308	73486	Intergenic	NM_001080702	zgc:158643	4.972891474	3.404114314	1.56877716	0.008507
peak_26525	chr21	11359066	11359511	6680	intron (NM_001098488, intron 1 of 55)	NM_001098488	spna2	7.315573128	5.747096403	1.568476725	0.000659
peak_28775	chr4	55390013	55390747	-223572	Intergenic	NM_001111199	zgc:173710	6.061669132	4.493252286	1.568416846	0.001407
peak_18888	chr12	29078970	29079552	-27997	Intergenic	NM_131425	etv4	9.37701092	7.80879053	1.56822039	2.23E-05
peak_30576	chr24	14397249	14397674	41924	Intergenic	NM_001163831	prdm14	5.953092428	4.384962154	1.568130274	0.002355
peak_42072	chr8	20391841	20392182	49962	intron (NM_001270477, intron 2 of 6)	NM_001270477	LOC566028	5.611544782	4.043809838	1.567734944	0.024915
peak_27467	chr11	35148422	35149049	106354	Intergenic	NM_001045355	tmem44	6.746142922	5.178526931	1.567615991	0.000914
peak_43657	chr18	9587823	9588213	170772	Intergenic	NM_001100024	LOC566572	3.6900456	2.122561881	1.567483719	0.031501
peak_21668	chr1	57734033	57734782	-64819	intron (NM_001113805, intron 8 of 9)	NM_001033742	b3gntl1	7.653546479	6.086065004	1.567481476	9.27E-05
peak_34552	chr8	3715833	3716218	-83055	Intergenic	NM_001017772	zgc:112433	6.08099759	4.513599062	1.567398528	0.006258
peak_33451	chr24	1902658	1902956	-323909	Intergenic	NM_212616	zgc:85789	4.747792413	3.181274448	1.566517964	0.004874
peak_19955	chr8	29153292	29153948	-26426	Intergenic	NM_001002152	rap1aa	7.913239334	6.346775274	1.56646406	3.99E-05
peak_32417	chr1	26099626	26100097	21317	intron (NM_001122755, intron 2 of 6)	NM_001122755	bnc2	6.887986709	5.321746838	1.566239871	0.003803
peak_36200	chr12	9209769	9210600	-18886	Intergenic	NM_001008634	adoa	7.269746211	5.703617401	1.56612881	0.008921
peak_33485	chr9	6485188	6485611	57671	intron (NM_200997, intron 1 of 3)	NM_200997	nck2a	6.047054961	4.480986752	1.566068209	0.004902
peak_24203	chr13	7369777	7370214	-248683	Intergenic	NM_001037101	hells	6.389313175	4.823278696	1.566034479	0.000281
peak_27234	chr19	45502973	45503704	1197	exon (NM_001100405_1, exon 2 of 2)	NM_001100405_1	nkd3	6.091049431	4.525178246	1.565871186	0.000843
peak_17028	chr14	19684002	19684662	15382	intron (NM_001029962, intron 1 of 11)	NM_001029962	ergic1	9.95977515	8.393968184	1.565806966	7.13E-06
peak_22886	chr5	3138421	3138957	-18120	Intergenic	NR_030090		8.032671205	6.467124803	1.565546402	0.00016
peak_19586	chr11	824113	825059	64993	Intergenic	NM_213275	vgll4b	8.201915119	6.636369494	1.565545626	3.25E-05

peak_23402	chr8	5023363	5025423	11946	Intergenic	NM_001020524	tmem127	8.602513195	7.037030523	1.565482673	0.000198
peak_27716	chr13	17055442	17056019	457605	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	7.307251969	5.741788913	1.565463056	0.000996
peak_28397	chr21	9211524	9211830	28020	exon (NM_001163923_1, exon 5 of 5)	NM_001163923_1	ccbe1	5.885352967	4.320069978	1.565282989	0.001247
peak_35569	chr24	42215319	42215649	36843	Intergenic	NM_001020507	smyhc1	5.129647348	3.564426533	1.565220815	0.007784
peak_21680	chr2	27276524	27276960	118133	Intergenic	NM_001077448	cdh7	6.999646398	5.43445203	1.565194368	9.31E-05
peak_41056	chr14	49898479	49898743	-65886	Intergenic	NM_001110469	qdpra	3.093967964	1.529021745	1.564946219	0.021532
peak_42194	chr24	17367805	17368156	-86343	Intergenic	NM_212613	cct5	3.217566349	1.652791251	1.564775098	0.025298
peak_22739	chr4	7196425	7197162	184	5' UTR (NM_001100066, exon 1 of 14)	NM_001100066	optn	8.077569183	6.512811543	1.56475764	0.00015
peak_27236	chr20	30928377	30928665	-1666	Intergenic	NM_200198	hebp2	5.65418239	4.089648666	1.564533724	0.000843
peak_38344	chr23	24696740	24697395	-66555	Intergenic	NM_001033590	fam131c	7.575169273	6.010680515	1.564488758	0.013636
peak_41059	chr2	51345669	51346217	-82634	Intergenic	NM_001142925	adcyap1r1a	5.125837628	3.561352051	1.564485577	0.021534
peak_23504	chr2	53161280	53161768	17547	intron (NM_001007773, intron 1 of 6)	NM_001007773	gna11b	7.003955174	5.439494696	1.564460478	0.000207
peak_31042	chr15	19242691	19243495	42282	Intergenic	NM_001077250	spint2	8.605458043	7.041262768	1.564195274	0.002648
peak_22704	chr5	5608783	5609784	-397644	Intergenic	NM_001076606	mvb12ba	8.036528174	6.472386882	1.564141292	0.000148
peak_25663	chr8	50609301	50609700	-152757	Intergenic	NM_001128741	zgc:195023	6.98476445	5.42071776	1.56404669	0.000489
peak_27672	chr8	50569958	50570766	-191895	Intergenic	NM_001128741	zgc:195023	7.819580463	6.255758981	1.563821482	0.000981
peak_44008	chr12	41542111	41542503	1190906	Intergenic	NM_001099246	abca5	6.197899364	4.634166337	1.563733027	0.032985
peak_36719	chr14	10444093	10444401	14908	intron (NM_001142584, intron 1 of 9)	NM_001142584	il1rapl2	4.029304008	2.465633922	1.563670086	0.009958
peak_43164	chr18	39447886	39448243	124518	Intergenic	NM_001076747	fbxo36a	5.386703294	3.823039488	1.563663806	0.029348
peak_33419	chr20	48199718	48200817	184190	Intergenic	NM_001024665	tfap2b	7.493257629	5.929744316	1.563513313	0.00484
peak_38312	chr8	29308351	29308813	1979	intron (NM_001006052, intron 1 of 5)	NM_001006052	tmem189	6.189471449	4.625980305	1.563491145	0.013541
peak_33883	chr5	74703110	74703652	131437	Intergenic	NM_001003993	ak1	6.997917271	5.434432142	1.563485129	0.005372
peak_34273	chr3	9660260	9660638	-154333	Intergenic	NM_001113625_1	trap1	6.949894945	5.386455045	1.5634399	0.005868
peak_26503	chr7	17423519	17423941	-86305	Intergenic	NM_001006026	csrp3	6.027956891	4.464582478	1.563374413	0.000654
peak_40448	chr8	22978585	22978897	2565	intron (NM_001045372, intron 1 of 8)	NM_001045372	zgc:153759	5.257297515	3.694131323	1.563166192	0.019402
peak_29734	chr11	9049440	9049847	401234	Intergenic	NM_001020583	tbl1xr1a	6.277877455	4.714916512	1.562960943	0.00188
peak_30979	chr9	48779920	48780323	101797	Intergenic	NM_001003480	zgc:92380	5.947738566	4.384922678	1.562815888	0.002605
peak_29757	chr24	294670	295159	18254	intron (NM_001013328, intron 2 of 4)	NM_001020572	impa2	7.35366159	5.790999728	1.562661861	0.001892
peak_26311	chr8	21179761	21180149	138527	Intergenic	NM_001045850	csnk1g2b	6.493759878	4.93117488	1.562584998	0.000613
peak_24792	chr21	10196551	10197000	-6062	3' UTR (NM_001083812, exon 12 of 12)	NM_001005942	glrx	6.755365704	5.192810743	1.562554962	0.000359
peak_30054	chr1	55591821	55593462	-9057	Intergenic	NM_001130776	vps54	8.837235881	7.274765138	1.562470743	0.002053
peak_32535	chr8	33870491	33870960	-13026	intron (NM_001100146, intron 9 of 20)	NM_001126478	angptl2b	7.305299115	5.742876705	1.56242241	0.003926
peak_39645	chr9	35350161	35350694	-10281	Intergenic	NM_001100107	cd247l	4.22346309	2.661227077	1.562236013	0.016988
peak_41575	chr5	18010985	18011455	-11527	Intergenic	NM_001114917	kremen1	7.161704301	5.599615043	1.562089258	0.023217
peak_37692	chr22	20651652	20652109	9160	intron (NM_001172683, intron 3 of 20)	NM_001172683	tcf3b	5.203876874	3.641884821	1.561992053	0.012025
peak_25395	chr25	25376346	25377153	-370913	Intergenic	NM_001002089_1	tsg101a	7.117619371	5.555799756	1.561819615	0.000448
peak_42204	chr1	59452593	59453001	76091	Intergenic	NM_001034182	sid4	6.10201096	4.540207273	1.561803687	0.025344
peak_31232	chr12	36998914	36999279	51046	Intergenic	NM_213304	socs3b	6.290307433	4.729104426	1.561203007	0.00279
peak_37566	chr14	13485793	13486453	-225289	Intergenic	NM_001002326	pls3	5.568072089	4.006926579	1.56114551	0.011776
peak_25207	chr4	9838473	9839255	52235	Intergenic	NM_001045067	si:dkey-207j16.2	6.363048386	4.802153641	1.560894745	0.000417
peak_21325	chr9	53082081	53082768	-168773	Intergenic	NM_001076600	tank	8.895775734	7.335076179	1.560699555	7.82E-05
peak_38084	chr4	61032801	61033527	116092	Intergenic	NM_200610	dopey2	4.662479007	3.10183368	1.560645327	0.01297
peak_24326	chr13	50277377	50278750	-130234	Intergenic	NM_001030104	tsnax	9.036875285	7.476322243	1.560553042	0.000296
peak_29385	chr11	2145685	2146111	4348	intron (NM_200495, intron 6 of 12)	NM_131530	hoxc6b	6.93050721	5.370007252	1.560499958	0.001699
peak_41317	chr5	18516304	18516561	-4701	Intergenic	NM_001004640	atad1a	5.736678709	4.176408411	1.560270297	0.022357
peak_29303	chr4	46030337	46030661	-387575	Intergenic	NM_001128355	LOC794656	5.722983386	4.162891429	1.560091956	0.001665
peak_39253	chr11	36952811	36953231	-61232	Intergenic	NM_001007281	gpx1a	6.316798669	4.756766008	1.560032661	0.015976
peak_29673	chr9	35728580	35728908	84971	Intergenic	NM_001159670	tslpr	5.686232647	4.126383915	1.559848732	0.001847
peak_39609	chr3	25400500	25400728	-24001	intron (NM_001114426, intron 11 of 19)	NM_212612	ddx5	5.504482852	3.944829517	1.559653334	0.016892
peak_29262	chr22	36442524	36442994	199932	Intergenic	NM_001003610	nicn1	6.268178158	4.708754474	1.559423684	0.001645
peak_42830	chr6	4532966	4533422	100994	Intergenic	NM_201285	pou4f1	3.893534166	2.334431173	1.559102993	0.027809
peak_21879	chr11	39913520	39914061	33217	Intergenic	NM_200531_1	mfsd4a	8.135692993	6.576881277	1.558811716	0.000103
peak_29550	chr25	33924884	33925277	14039	intron (NM_001102629, intron 2 of 7)	NM_001102629	zgc:171719	6.463832215	4.905199418	1.558632797	0.001788
peak_35777	chr23	39095575	39095835	49637	Intergenic	NM_001080609	sall4	5.040703998	3.482108076	1.558595921	0.008166
peak_38960	chr19	73796	74548	23629	Intergenic	NM_001045306	dnajc8	6.436125616	4.877572111	1.558553504	0.015156
peak_37665	chr20	52448970	52449452	89723	Intergenic	NM_212701	hlx1	6.153661376	4.595168067	1.558493309	0.011969
peak_19782	chr11	22137103	22138077	-37515	Intergenic	NM_001114928	zgc:172180	9.655313421	8.096969546	1.558343875	3.61E-05
peak_34957	chr13	3095419	3095818	72663	intron (NM_001017635, intron 2 of 6)	NM_001017635	park2	5.023232051	3.465078695	1.558153356	0.006797
peak_27501	chr21	35651443	35652011	66114	Intergenic	NM_001122621	mrpl22	6.308484597	4.75047679	1.558007807	0.000927
peak_23776	chr9	29320763	29321149	-12657	Intergenic	NM_001017818	creb1b	6.498144577	4.940164413	1.557980165	0.000234
peak_19221	chr15	42066722	42068112	17245	intron (NM_001007057, intron 4 of 11)	NM_001007057	wdfy1	8.875738047	7.31780251	1.557935538	2.66E-05
peak_21303	chr19	23733919	23734574	1821	intron (NM_001004287, intron 1 of 16)	NM_001004287	grb10a	8.97117377	7.413403039	1.557770731	7.75E-05
peak_37406	chr2	39804239	39804617	35710	exon (NM_001005919, exon 4 of 17)	NM_001005919	epha4a	5.752286092	4.194567425	1.557718667	0.011452
peak_27021	chr18	31772185	31772564	22219	Intergenic	NM_001126451	v2rh7	6.27672709	4.719086327	1.557640763	0.000782
peak_26894	chr21	12377421	12378097	314013	Intergenic	NM_001025182	stxbp1a	7.796677947	6.239047834	1.557630113	0.000752
peak_42214	chr7	650848	651473	-26568	Intergenic	NM_001001839	rela	5.527123657	3.969497021	1.557626636	0.025364
peak_27004	chr5	22728915	22729402	23961	intron (NM_001271393, intron 16 of 19)	NM_001082916	si:dkey-174n20.1	6.581975467	5.0243802	1.557595267	0.000779
peak_41912	chr4	26151552	26151850	243914	Intergenic	NM_200523	creld2	3.883141315	2.32568557	1.557455744	0.024372
peak_25268	chr23	1955547	1956331	103183	intron (NM_001002301, intron 15 of 15)	NM_001002301	prdm5	7.503150366	5.945701855	1.557448511	0.000427
peak_21200	chr13	30999828	31000367	-27903	Intergenic	NM_178307	cxcl12a	7.918262848	6.361171504	1.557091345	7.41E-05
peak_43325	chr10	23352642	23353395	6046	intron (NM_001020582, intron 1 of 11)	NM_001020582	nle1	4.22346309	2.66639814	1.55706495	0.030119
peak_40604	chr5	2742398	2742895	-55816	Intergenic	NM_201167	hpda	5.570850012	4.013785313	1.557064699	0.019931
peak_28880	chr9	1807822	1808179	-38272	Intergenic	NM_001017554_2		6.238716735	4.681657312	1.557059423	0.001455
peak_17860	chr16	49218661	49219766	-50983	Intergenic	NM_001003557	bola1	9.808647681	8.251637676	1.557010005	1.25E-05
peak_18674	chr21	18946455	18946992	1670	intron (NM_201171, intron 2 of 4)	NM_201171	dusp4	8.848128895	7.29117458	1.556954315	1.96E-05
peak_30088	chr25	34390550	34391030	136403	Intergenic	NM_001089422	zgc:162595	6.790826387	5.234002651	1.556823735	0.002071
peak_30623	chr23	43001075	43001889	-1092	Intergenic	NM_001199969	cyp2aa6	6.208658456	4.651942014	1.556716441	0.002382
peak_31751	chr5	23809513	23809802	1029	intron (NM_001126376, intron 1 of 3)	NM_001126376	asb12a	5.768960068	4.212271123	1.556688945	0.003228
peak_27510	chr3	56499282	56499549	69640	Intergenic	NM_001099249_1	zgc:165627	5.690070444	4.133413741	1.556656703	0.000929
peak_31230	chr12	47847773	47848167	32419	Intergenic	NM_001252350	plaub	5.809993993	4.253433294	1.556560699	0.002789
peak_32057	chr25	1278473	1278901	71739	Intergenic	NM_213027	zgc:73185	5.044744971	3.488216335	1.556528636	0.003477
peak_42766	chr18	12383634	12384021	-77192	Intergenic	NM_001082852	parp12a	6.470832997	4.914587896	1.556245102	0.027558
peak_32237	chr12	17091209	17091807	-67049	Intergenic	NM_001012487	znf281b	6.563662741	5.007715658	1.555947084	0.003632
peak_27414	chr25	1570252	1571089	-79972	Intergenic	NM_001077455	ppm1h	6.884258422	5.328336468	1.555921955	0.000898
peak_35450	chr19	47580928	47581273	-32256	Intergenic	NM_001177934	trps1	5.437931469	3.882106612	1.555824857	0.007569
peak_20862	chr23	2309904	2310800	-124978	Intergenic	NM_131230	tcp1	8.44051736	6.884936652	1.555580708	6.27E-05
peak_27851	chr17	5752358	5752674	3188	intron (NM_001128782, intron 1 of 3)	NM_001128782	zgc:194275	6.107442047	4.55187873	1.555563317	0.001048
peak_43714	chr14	47377314	47377843	-110333	intron (NM_001076572, intron 1 of 9)	NM_001013347	zgc:110741	2.972850631	1.41740675	1.555443881	0.031819
peak_41538	chr2	24806832	24807161	-40966	Intergenic	NM_001007459	slc35g2a	4.058703696	2.503585695	1.555118002	0.023049
peak_23791	chr23	24668090	24668683	-37874	Intergenic	NM_001033590	fam131c	8.038295299	6.48323032	1.555064979	0.000236
peak_38944	chr16	1331453	1332127	198228	Intergenic	NM_178222	sim1a	4.815860363	3.260798839	1.555061524	0.015111
peak_39700	chr8	2580072	2580466	29036	intron (NM_001123265, intron 21 of 21)	NM_213246	vdac3	5.930857134	4.375983074	1.55487406	0.017145
peak_25288	chr14	53504495	53505201	6004	Intergenic	NM_001029961	exosc3	7.544206892	5.989508033	1.554698858	0.000431
peak_43982	chr6	21384255	21384527	-6117	exon (NM_001077380, exon 2 of 2)	NM_001082841	znf326	5.294251216	3.739638604	1.554612611	0.03286
peak_30295	chr24	95168	95690	50416	Intergenic	NM_001045561	zgc:152808	6.75738747	5.20284289	1.55454458	0.002189
peak_31805	chr5	12501735	12502120	5965	exon (NM_001020677, exon 4 of 4)	NM_001020677	zgc:112294	6.501102805	4.946660919	1.554441886	0.003267
peak_22142	chr2	45665477	45666260	53380	Intergenic	NM_213489	prpf38b	7.057034331	5.503002907	1.554031424	0.000116
peak_43235	chr4	26242789	26243122	152660	Intergenic	NM_200523	creld2	4.155857485	2.601906068	1.553951417	0.029693
peak_36810	chr7	13295274	13295722	105500	Intergenic	NM_001037578	fam154b	4.992402332	3.43849761	1.553904723	0.010131
peak_37135	chr15	14184550	14184884	-67196	Intergenic	NM_173271	med29	5.873026345	4.319229517	1.553796827	0.010842
peak_24896	chr3	28695906	28696838	120038	Intergenic	NM_001201336	fbxl16	8.949264604	7.395592311	1.553672294	0.000373
peak_29745	chr13	32899477	32899857	-27649	intron (NM_001002351, intron 3 of 7)	NM_001145591	bend3	6.658144383	5.104638337	1.553506046	0.001887
peak_35788	chr24	22831206	22831509	-119854	Intergenic	NM_131572	dap	5.659437256	4.106154179	1.553283078	0.008191
peak_36694	chr23	15912371	15912659	169750	Intergenic	NM_001002371	eef1a2	5.785818843	4.232952548	1.552866295	0.009898
peak_21696	chr3	61305677	61306462	21398	intron (NM_001020768, intron 2 of 2)	NM_001020768	ubald2	10.52019404	8.967699378	1.552494665	9.37E-05

peak_23533	chr21	39482415	39483321	-34973	Intergenic	NM_001082815_1	zgc:162239	9.436986003	7.884604162	1.552381841	0.000209
peak_24317	chr8	50302779	50303146	246197	Intergenic	NM_001128254	mfn2	6.977434903	5.425305331	1.552129572	0.000295
peak_29468	chr10	23015530	23016325	-11977	exon (NM_001030183, exon 13 of 18)	NM_001030181	pcolcea	7.223757295	5.671647716	1.552109579	0.00174
peak_28717	chr5	62068619	62069053	-459257	Intergenic	NM_001030174	lig3	6.617628808	5.06556682	1.552061987	0.001376
peak_42700	chr16	14365991	14366271	-16330	Intergenic	NM_001045344	zgc:153234	4.87712511	3.325168622	1.551956488	0.027287
peak_40155	chr13	40048235	40048512	2934	Intergenic	NM_001202417	marveld1	5.639677051	4.087957175	1.551719876	0.018477
peak_40709	chr8	45838381	45838774	567	exon (NM_130917, exon 1 of 1)	NM_130917	fzd10	4.377680074	2.826191796	1.551488279	0.02027
peak_17034	chr9	635092	640089	-59901	Intergenic	NM_212594_1	ybey	11.17038359	9.618965118	1.551418476	7.17E-06
peak_23301	chr17	191300	194954	22206	intron (NM_001042745, intron 45 of 69)	NM_001002697_1		9.211471109	7.660100972	1.551370136	0.000191
peak_26569	chr24	9049487	9050201	44804	Intergenic	NM_199567	tgif1	8.423159454	6.871867694	1.55129176	0.000667
peak_41704	chr13	1465107	1465334	-184088	Intergenic	NM_201000	bag2	3.899439496	2.348272933	1.551166563	0.023643
peak_23471	chr6	17774924	17777049	-222832	Intergenic	NM_131029	ntn1a	8.899108733	7.348184787	1.550923946	0.000204
peak_42411	chr16	10601099	10601561	-126720	Intergenic	NM_001034965	kiaa0947l	6.242223145	4.691466589	1.550756556	0.026087
peak_36047	chr16	19257516	19257891	1598	intron (NM_001115114, intron 2 of 11)	NM_001115114	gapdh	6.068892416	4.518453401	1.550439015	0.008611
peak_18441	chr8	49938898	49939965	20354	intron (NM_001257149, intron 1 of 10)	NM_001257149	kank3	9.905731663	8.355455247	1.550276416	1.73E-05
peak_17568	chr21	2300762	2302494	90907	Intergenic	NM_001014292	hmgcrb	10.28084332	8.730583818	1.550259504	1.03E-05
peak_36295	chr25	21609	22350	3757	intron (NM_200420_1, intron 1 of 12)	NM_200420_1	adam10b	6.662249288	5.112087408	1.55016188	0.009116
peak_26716	chr1	43407601	43408213	659165	intron (NM_001159372, intron 14 of 15)	NM_001002577	suclg1	7.061998248	5.512043189	1.54995506	0.000704
peak_25957	chr25	26208187	26208591	34402	Intergenic	NM_001037567	zgc:123278	5.908295128	4.358393692	1.549901436	0.000541
peak_41212	chr3	61925575	61926144	-74608	Intergenic	NM_001200039	bri3	6.112871299	4.563138627	1.549732672	0.022048
peak_30270	chr17	27595458	27595855	15924	intron (NM_131224, intron 1 of 7)	NM_131224	qkia	6.096219277	4.546769067	1.54945021	0.002178
peak_31366	chr23	36011563	36012061	41738	exon (NM_131339, exon 6 of 8)	NM_131339	rarga	7.076434071	5.52709538	1.549338691	0.002894
peak_22238	chr10	21249415	21249868	193635	Intergenic	NM_001201442	avd	7.313915956	5.764693229	1.549222727	0.000121
peak_27662	chr21	2277464	2277736	114935	Intergenic	NM_001014292	hmgcrb	5.952382489	4.403184512	1.549197976	0.000978
peak_21766	chr25	38194971	38195563	23632	Intergenic	NM_001200021	LOC570474	7.11953637	5.570471431	1.549064939	9.73E-05
peak_32184	chr22	32369624	32370160	9276	intron (NM_198978, intron 4 of 10)	NM_198978	pdcd4b	6.708922142	5.159997061	1.548925081	0.003577
peak_24709	chr19	6901929	6902476	-86767	Intergenic	NM_001044927	erf	7.181733707	5.632830977	1.54890273	0.000346
peak_24998	chr15	20813575	20814608	25411	Intergenic	NM_001089487	zgc:162608	8.142253698	6.593395542	1.548858156	0.000387
peak_41181	chr20	32236188	32236681	-26852	Intergenic	NM_001002660	sesn1	6.634583785	5.085939459	1.548644326	0.02194
peak_28351	chr15	33977577	33977894	5820	TTS (NM_001024821)	NM_001024821	lta	5.396131678	3.847599778	1.5485319	0.00123
peak_42268	chr21	32742089	32742503	256171	Intergenic	NM_199763	rnf145b	3.854460154	2.306270691	1.548189462	0.025519
peak_22473	chr3	5032292	5032699	35140	exon (NM_001089332, exon 18 of 23)	NM_001089332	zgc:162198	6.990318695	5.442204066	1.54811463	0.000134
peak_21234	chr20	25370076	25371537	385	intron (NM_001015041, intron 1 of 4)	NM_001015041	ctgfa	9.028373087	7.480566613	1.547806474	7.50E-05
peak_32334	chr14	2204767	2205139	24306	intron (NM_001013264, intron 1 of 4)	NM_001013264	fgf18a	5.342828025	3.795304522	1.547523502	0.003722
peak_20337	chr20	535345	536492	-20812	intron (NM_001104943, intron 6 of 11)	NM_001030225	dse	8.393522671	6.846192947	1.547329724	4.93E-05
peak_40174	chr3	39356885	39357139	-56939	Intergenic	NM_001099423	plcd3a	5.606589837	4.059355871	1.547233966	0.018541
peak_22529	chr9	34071626	34072147	29294	intron (NM_205750, intron 2 of 7)	NM_205750	vangl1	8.589243571	7.042175234	1.547068338	0.000137
peak_41355	chr21	41703478	41703755	-30894	Intergenic	NM_001115117	sept8a	5.428743418	3.881732845	1.547010572	0.022505
peak_34433	chr25	7105334	7105735	301342	Intergenic	NM_001122855	snx33	5.599325672	4.052367647	1.546958024	0.0061
peak_34395	chr22	22076602	22076950	90458	Intergenic	NM_200423	aes	5.108098251	3.561299975	1.546798276	0.006044
peak_35995	chr16	41373258	41373985	48353	intron (NM_213544, intron 9 of 10)	NM_213544	emc2	7.112235804	5.565439346	1.546796458	0.008518
peak_28219	chr11	22879048	22879628	135385	intron (NM_001199491, intron 9 of 17)	NM_001199491	foxp4	6.968664321	5.422033783	1.546630537	0.00118
peak_35267	chr14	29010370	29010675	41299	Intergenic	NM_200569	tsc22d3	5.614266508	4.067662829	1.546603679	0.007284
peak_38830	chr4	5309089	5310016	57827	Intergenic	NM_001044868	si:dkey-14d8.2	3.877168754	2.330585048	1.546583707	0.014826
peak_33186	chr18	11624768	11625119	28620	intron (NM_001177933, intron 2 of 17)	NM_001177933	fgd4a	6.373458838	4.826929307	1.546529531	0.004589
peak_22803	chr25	7703645	7704549	76773	Intergenic	NM_001089334	hmg20a	7.831734248	6.285230673	1.546503576	0.000154
peak_41958	chr18	39087713	39088168	-37308	Intergenic	NM_198146	akt2	5.714215547	4.167756579	1.546458968	0.024529
peak_43987	chr10	33081947	33082218	22948	Intergenic	NM_131076	wnt11r	5.449046535	3.90266873	1.546377805	0.032897
peak_34434	chr18	45326601	45326923	-154453	Intergenic	NM_001282486	dner	5.721293112	4.174998674	1.546294439	0.006101
peak_35766	chr10	28139296	28139729	407899	Intergenic	NM_152948	cxadr	6.505920958	4.959761219	1.546159738	0.008149
peak_30686	chr4	21832988	21833283	-147892	intron (NM_001122611, intron 2 of 21)	NM_001030167	nup107	6.230541675	4.684571776	1.545969899	0.002417
peak_35270	chr5	22991140	22991714	-2989	Intergenic	NM_001130600	bmp10	6.984233461	5.4382756	1.545957861	0.007288
peak_27984	chr17	14931829	14932309	58413	Intergenic	NM_001136255	gch1	6.532344821	4.986570662	1.545774159	0.0011
peak_42546	chr22	41495404	41495886	-13632	Intergenic	NM_001017813	klc4	3.335768134	1.790139794	1.54562834	0.026641
peak_24255	chr11	6904145	6904449	2581	intron (NM_001017761, intron 1 of 4)	NM_001017761	rab3ab	6.05604335	4.510560939	1.54548241	0.000288
peak_25230	chr7	28483911	28484401	67740	intron (NM_001123009, intron 4 of 14)	NM_001123009	sox6	6.681074652	5.135766888	1.545307764	0.00042
peak_42615	chr5	73507771	73508123	102014	intron (NM_001278805, intron 11 of 23)	NM_001278805	pappaa	4.526618979	2.981564896	1.545054083	0.026918
peak_18815	chr20	4206593	4207304	28275	intron (NM_001113647, intron 2 of 12)	NM_001113647	zgc:172112	9.666342101	8.121805089	1.544537012	2.14E-05
peak_25760	chr3	56161151	56161475	-47861	Intergenic	NM_001080635	ldlrap1b	5.812343404	4.26787611	1.544467295	0.000507
peak_26719	chr23	42881654	42882287	137	exon (NM_001025557, exon 1 of 9)	NM_001025557	cyp2aa1	7.655728698	6.111290577	1.544438121	0.000705
peak_21394	chr16	1403041	1403761	126617	Intergenic	NM_178222	sim1a	9.327033622	7.782883321	1.544150301	8.14E-05
peak_30849	chr15	29956668	29957171	157107	intron (NM_201109, intron 7 of 14)	NM_201109	msi2b	7.491418965	5.947404814	1.544014151	0.002526
peak_23867	chr6	28305377	28306004	-161079	intron (NM_201198, intron 6 of 10)	NM_001089528	tprg1	7.871326297	6.327365867	1.54396043	0.000244
peak_30256	chr25	933216	933444	34171	intron (NM_001080075_1, intron 4 of 14)	NM_001080075_1	nell2a	5.249771591	3.705958535	1.543813056	0.002172
peak_34360	chr19	22667207	22667522	-33711	Intergenic	NM_001045159	nfatc1	5.470585103	3.926919978	1.543665125	0.00599
peak_28121	chr5	67726372	67726807	33247	intron (NM_001080575, intron 25 of 58)	NR_030136		7.035360294	5.492288394	1.543071899	0.001149
peak_27801	chr4	5639299	5639849	9142	3' UTR (NM_199951, exon 12 of 12)	NM_199951	ccnc	7.375594171	5.832629792	1.542964379	0.001031
peak_43200	chr5	60482809	60483308	55732	Intergenic	NM_001002701	tmem136b	5.541828501	3.998915647	1.542912854	0.029525
peak_41746	chr23	7503972	7504476	50859	Intergenic	NM_131235	gata5	6.02964059	4.487019196	1.542621395	0.023799
peak_43413	chr9	35330715	35331084	9247	intron (NM_001100107, intron 5 of 7)	NM_001100107	cd247l	5.944172143	4.401799117	1.542373026	0.030468
peak_40467	chr21	40573650	40574051	-11614	Intergenic	NM_001020562	zgc:110053	6.202367399	4.660028204	1.542339195	0.019482
peak_26744	chr14	21373586	21374128	216006	Intergenic	NM_152963	fmr1	7.281423163	5.739298758	1.542124405	0.000713
peak_21426	chr23	2381322	2382460	-53439	Intergenic	NM_131230	tcp1	10.2172047	8.675488307	1.541716388	8.24E-05
peak_31160	chr20	2391038	2391307	131805	Intergenic	NM_001044800	tmem200a	5.715446952	4.173759727	1.541687225	0.00273
peak_34135	chr18	17566773	17568456	-92441	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	8.40565121	6.864136341	1.54151487	0.005689
peak_28902	chr21	7357460	7357924	-88130	Intergenic	NM_001102624	zgc:171965	6.893914743	5.352525835	1.541388908	0.001468
peak_39722	chr9	5940447	5940819	37835	Intergenic	NM_001128670	pdzk1	3.48887231	1.947562689	1.541309621	0.017201
peak_26704	chr13	41699558	41699969	65192	Intergenic	NM_001281800	dkk1a	6.386425181	4.84520796	1.541217221	0.000701
peak_19391	chr14	25288156	25288838	11218	Intergenic	NM_212645	hnrnpa0a	8.616172773	7.074964762	1.541208011	2.92E-05
peak_24915	chr25	2517270	2517943	-90502	Intergenic	NM_001077466	bbs4	7.480851445	5.939672629	1.541178816	0.000375
peak_26907	chr15	46381464	46381814	-46928	intron (NM_205646, intron 1 of 6)	NM_207070	phox2a	5.859034979	4.318031373	1.541003606	0.000756
peak_41336	chr1	34743346	34743763	99072	Intergenic	NM_001098260	sc:d189	5.542300364	4.001373614	1.54092675	0.022417
peak_30781	chr16	50793563	50793836	154125	Intergenic	NM_001013336	slc25a32b	6.242803896	4.701959588	1.540844308	0.002475
peak_40737	chr11	37539116	37539488	-79100	Intergenic	NM_001005312	parapinopsinb	5.731722398	4.191434286	1.540288111	0.020346
peak_34584	chr21	44286613	44287045	19180	Intergenic	NM_205747	irf1b	6.595251638	5.055329309	1.539922329	0.006305
peak_32799	chr7	23693087	23693429	-17890	TTS (NM_001012380)	NM_001253810	chrnb1	6.098787912	4.5589856	1.539802311	0.004173
peak_39167	chr19	46224222	46224621	-628707	Intergenic	NM_001045120	rad21b	5.185799053	3.646076443	1.53972261	0.015749
peak_22305	chr6	608732	610115	-542	promoter-TSS (NM_001114903)	NM_001114903	cyth4b	9.035993566	7.496287797	1.539705769	0.000125
peak_33548	chr7	52185704	52186075	-91756	Intergenic	NM_212439	per1b	6.140925638	4.60124947	1.539676168	0.00497
peak_31412	chr5	74787668	74788149	46910	Intergenic	NM_001003993	ak1	6.510282977	4.970616772	1.539666205	0.002922
peak_24434	chr8	28090294	28090667	192833	Intergenic	NM_001130795	si:ch211-254n4.3	6.503984322	4.964413155	1.539571166	0.000308
peak_40271	chr2	23347138	23347538	9211	Intergenic	NM_213034	rps28	7.64453907	6.105150152	1.539388918	0.018843
peak_36461	chr4	15620766	15621222	-7762	Intergenic	NM_200020	btg1	6.480988878	4.94173371	1.539255167	0.009469
peak_24287	chr8	5241954	5242461	-53761	Intergenic	NM_001102640	tmem230b	6.479004081	4.939980467	1.539023614	0.000292
peak_43637	chr2	1738749	1739378	-25520	Intergenic	NM_200739	exosc4	5.846817916	4.307799405	1.539018512	0.031397
peak_27931	chr2	35897358	35897904	64527	Intergenic	NM_001199372	LOC100331689	8.117712381	6.578867865	1.538844515	0.001081
peak_30907	chr18	3746784	3747199	562010	Intergenic	NM_200555	pdcd10a	5.185194891	3.646410214	1.538784677	0.002558
peak_27187	chr3	56223989	56224255	14948	Intergenic	NM_001080635	ldlrap1b	5.745745195	4.207222862	1.538522333	0.000829
peak_30294	chr21	10347298	10347656	-233	promoter-TSS (NM_001082838)	NM_001082838	ubap2	6.625692476	5.087316265	1.538376211	0.002187
peak_32563	chr22	4275097	4275419	-9217	Intergenic	NM_153670	cers4a	5.703658466	4.16533209	1.538326376	0.003948
peak_30922	chr21	22313971	22314933	-152908	Intergenic	NM_200141	zw10	7.592721576	6.054426063	1.538295513	0.002567
peak_25185	chr2	53781638	53783082	228073	Intergenic	NM_001002071	sirt6	8.552569803	7.014377129	1.538192674	0.000414
peak_28792	chr13	37193936	37194391	5907	exon (NM_001004560, exon 3 of 5)	NM_001004560	sav1	7.338215854	5.800385279	1.537830576	0.001414
peak_28209	chr12	16552455	16552956	39028	Intergenic	NM_001162849	nmt1b	6.952037747	5.414258762	1.537778985	0.001178
peak_42397	chr19	10592329	10593135	-103195	Intergenic	NM_001083084	cacng7a	7.816852842	6.27910718	1.537745661	0.026024

peak_32004	chr10	804537	805206	-127429	Intergenic	NM_001080607	glis3	4.573649529	3.036025936	1.537623592	0.003433
peak_29264	chr9	15963560	15964692	-263255	Intergenic	NM_131520	fn1a	6.764292274	5.22667972	1.537612554	0.001645
peak_21813	chr6	20797279	20797938	-232541	Intergenic	NM_205740	barhl2	7.809019661	6.271463845	1.537555816	9.96E-05
peak_39393	chr23	14149909	14150186	-59592	Intergenic	NM_001083555	cacnb3a	5.712095621	4.174575569	1.537520052	0.0163
peak_40157	chr13	34994644	34995042	8079	exon (NM_001012376_1, exon 3 of 5)	NM_001012376_1	ism1	5.677617362	4.14013366	1.537483702	0.018484
peak_29528	chr2	26672064	26672444	25553	Intergenic	NM_214793	rps8a	6.864161624	5.326707038	1.537454586	0.001771
peak_20910	chr10	42202291	42203246	-9985	Intergenic	NM_131404	pcna	8.868409893	7.331021161	1.537388732	6.44E-05
peak_40306	chr23	11613161	11613719	133044	Intergenic	NM_001163106	chl1a	5.701125064	4.163848363	1.537276701	0.018956
peak_28251	chr2	44071036	44071947	28708	intron (NM_001130651, intron 1 of 14)	NM_001130651	kirrelb	8.537045625	7.000075515	1.53697011	0.001189
peak_31093	chr3	29603134	29603658	6804	intron (NM_001017756, intron 1 of 8)	NM_001017756	grap2a	5.930899184	4.394180705	1.536718478	0.002681
peak_40593	chr22	32364299	32364758	14640	intron (NM_198978, intron 5 of 10)	NM_198978	pdcd4b	6.501531553	4.964995944	1.536535609	0.01992
peak_36642	chr13	11065519	11065960	28059	intron (NM_001197201, intron 3 of 14)	NM_001197201	akt3a	4.791410378	3.254916133	1.536494245	0.00982
peak_32404	chr4	5974946	5975403	53249	intron (NM_001030082, intron 3 of 20)	NM_001030082	foxp2	6.664877105	5.128630477	1.536246628	0.003792
peak_33672	chr10	4180837	4181171	126926	Intergenic	NM_200920	pitpnb	6.031322327	4.495209263	1.536113064	0.00512
peak_22783	chr23	5800851	5801385	7891	Intergenic	NM_001002455	phlda3	7.944539596	6.408479137	1.536060458	0.000153
peak_41128	chr2	7702004	7702478	99252	Intergenic	NM_131097	ephb3a	6.482696447	4.946911205	1.535785241	0.021769
peak_43269	chr8	35737003	35737606	-131454	Intergenic	NM_001003742	hpdb	2.953113131	1.41740675	1.535706381	0.029839
peak_29464	chr21	25717224	25717610	-65499	Intergenic	NM_205581	tmsb	6.210440976	4.674899483	1.535541493	0.001738
peak_24646	chr3	52511253	52511791	206611	intron (NM_001040245, intron 12 of 12)	NM_001040245	baiap2a	7.383523713	5.848307584	1.535216129	0.000336
peak_41025	chr12	50354968	50355167	-42251	intron (NM_200591, intron 5 of 7)	NM_001114902	zgc:175139	4.367064887	2.832019538	1.535045349	0.021396
peak_33949	chr18	37624300	37624849	-1027	Intergenic	NM_001045552	mapk6	7.087649571	5.552622878	1.535026694	0.005467
peak_41472	chr8	33742091	33742317	41	promoter-TSS (NM_001123289)	NM_001123289	si:dkey-56i24.1	5.459606226	3.924723851	1.534882374	0.022834
peak_36056	chr9	25066444	25066950	-1891	Intergenic	NM_001243424	rpe	7.357830493	5.822997179	1.534833313	0.008635
peak_28405	chr18	21671046	21671275	21779	exon (NM_001045085, exon 22 of 29)	NM_001045085	edc4	5.7514701	4.21707485	1.53439525	0.001251
peak_42381	chr9	52224947	52225208	-386471	Intergenic	NM_001242770	gcgb	4.481017596	2.947329863	1.533687733	0.025963
peak_27865	chr24	43403805	43404262	15936	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	6.338487567	4.805401727	1.53308584	0.001053
peak_31840	chr16	17960935	17961305	-193350	Intergenic	NM_153650	has2	5.597537013	4.064812016	1.532724997	0.003305
peak_29263	chr23	10436926	10437318	-16962	Intergenic	NM_178437	krt18	6.460854732	4.928375897	1.532478835	0.001645
peak_22480	chr7	48931749	48932252	-541175	Intergenic	NM_001195407	tshz3b	6.668123628	5.135715202	1.532408425	0.000134
peak_21507	chr10	8718875	8721858	851	exon (NM_001030197, exon 1 of 1)	NM_001030197	aplnrb	10.02206727	8.490012024	1.532055248	8.57E-05
peak_23767	chr15	41774823	41775265	-36161	intron (NM_001045128, intron 5 of 13)	NM_001082897	kcne4	7.115419732	5.583461662	1.53195807	0.000233
peak_40776	chr8	55678809	55680081	14267	intron (NM_131212_1, intron 3 of 3)	NM_131212_1	exorh	8.068574423	6.536633789	1.531940634	0.020508
peak_30984	chr6	42937273	42938691	-9344	Intergenic	NM_001002585	tcta	8.302848232	6.771075074	1.531773158	0.002608
peak_37064	chr1	18129978	18130289	14564	intron (NM_001114686, intron 1 of 6)	NM_001114686	rbm47	6.015736251	4.484019018	1.531717233	0.010694
peak_28773	chr6	8022851	8023544	4093	TTS (NM_170763)	NM_170763	fzd7b	8.004977581	6.473308874	1.531668707	0.001405
peak_31226	chr6	55936006	55936497	32629	intron (NM_001004558, intron 1 of 15)	NM_001004558	eya2	7.140302384	5.608859934	1.53144245	0.002784
peak_36003	chr7	43231002	43231847	-382215	Intergenic	NM_131063	shha	7.723809578	6.192785477	1.531024101	0.008536
peak_28269	chr19	19248051	19249425	-3124	Intergenic	NM_131536	hoxa1a	8.366735786	6.835937197	1.530798589	0.001197
peak_41100	chr16	42640098	42640887	-69471	Intergenic	NM_200216	trmt11	3.772986383	2.24219934	1.530787042	0.021714
peak_32823	chr25	19050686	19051751	-338	promoter-TSS (NM_001024162)	NM_001024162	cav1	8.110636561	6.579899233	1.530737328	0.004193
peak_26061	chr11	28761294	28761835	-57266	Intergenic	NM_212670	cstf1	8.865379553	7.334666086	1.530713467	0.000562
peak_36777	chr10	37137435	37137936	97894	Intergenic	NM_001007431	katnal1	6.618511046	5.087823505	1.530687541	0.010078
peak_37953	chr20	35027016	35027277	9555	intron (NM_001025541, intron 5 of 9)	NM_001025541	cnstb	5.584255219	4.053850185	1.530405033	0.012628
peak_36768	chr9	23426117	23426519	27868	Intergenic	NM_001012390	crygs3	5.905363553	4.375007683	1.53035587	0.010054
peak_36070	chr6	37141990	37142566	-107411	Intergenic	NM_213407	zranb2	6.729640146	5.199511948	1.530128198	0.008659
peak_28684	chr24	6695053	6695741	-236320	Intergenic	NM_131774	anxa13	7.999904085	6.469808881	1.530095204	0.001363
peak_28911	chr23	15942076	15942431	140012	Intergenic	NM_001002371	eef1a2	6.076117737	4.546029147	1.530088589	0.001473
peak_37490	chr11	811468	811885	52083	Intergenic	NM_213275	vgll4b	5.065285294	3.53587134	1.529413954	0.01165
peak_25721	chr8	1346876	1347371	-11272	Intergenic	NM_200179	cdc14b	8.186429381	6.657046512	1.529382868	0.000499
peak_28661	chr20	18413209	18413561	216	5' UTR (NM_001025547, exon 1 of 2)	NM_001025547	si:ch211-20b12.2	6.197564886	4.668243738	1.529321148	0.001352
peak_29714	chr14	25238171	25238541	-2549	Intergenic	NM_131421	nkx2.5	5.953447267	4.424358103	1.529089164	0.001865
peak_19212	chr24	21116225	21116939	23683	intron (NM_001045447, intron 1 of 6)	NM_001045447	ctdspla	9.865637431	8.336590874	1.529046557	2.65E-05
peak_20035	chr11	5249600	5250587	-302917	Intergenic	NM_201450	cse1l	7.554679655	6.025689512	1.528990143	4.22E-05
peak_35104	chr14	8131181	8132116	-80973	Intergenic	NM_001002626	zgc:92242	8.840655985	7.31167764	1.528978345	0.007042
peak_27224	chr20	43183164	43183664	38186	Intergenic	NM_001039620	dusp23a	8.249546457	6.72076639	1.528780067	0.00084
peak_28596	chr3	6446145	6446747	-80961	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	7.210423655	5.681688418	1.528735236	0.001329
peak_39717	chr15	3740036	3740378	8997	Intergenic	NM_001080055	lpar6a	6.564837952	5.036212292	1.528625659	0.01718
peak_22159	chr15	33816826	33817324	46408	intron (NM_001077802, intron 10 of 10)	NM_001017598	sostdc1a	8.189374165	6.66088089	1.528493276	0.000117
peak_22798	chr10	39617860	39618833	-8496	Intergenic	NM_001001886	usp25	10.17944712	8.651076165	1.528370952	0.000154
peak_35652	chr20	17752002	17752557	-33742	Intergenic	NM_131081	cdh2	5.750653646	4.222302419	1.528351227	0.007928
peak_40924	chr2	31660092	31660485	-13	promoter-TSS (NM_001166015)	NM_001166015	otulinb	5.612470073	4.084204459	1.528265614	0.021057
peak_30266	chr2	53145942	53146391	32905	intron (NM_001007773, intron 1 of 6)	NM_001007773	gna11b	7.761058548	6.232833344	1.528225204	0.002177
peak_25194	chr23	24911657	24912328	25620	Intergenic	NM_001005990	kansl2	7.657363199	6.129233299	1.5281299	0.000415
peak_35212	chr1	7774626	7774974	4520	exon (NM_199602, exon 3 of 4)	NM_199602	zgc:77849	6.161072038	4.633063015	1.528009023	0.007201
peak_30415	chr12	4940959	4941391	-11727	Intergenic	NM_001002596	zgc:92313	7.09008155	5.562102818	1.527978732	0.002263
peak_35358	chr16	10114730	10115127	-151099	Intergenic	NM_001289913	cobl	5.839157386	4.312143511	1.527013875	0.007427
peak_24429	chr22	3244020	3244623	-218	promoter-TSS (NM_001111222)	NM_001111222	zgc:171586	7.868019782	6.341317009	1.526702773	0.000308
peak_30757	chr9	15255875	15256517	444675	Intergenic	NM_131520	fn1a	7.576328431	6.049660929	1.526667501	0.002461
peak_28077	chr13	32679236	32679969	1698	exon (NM_001006031, exon 2 of 2)	NM_001006031	rdh14a	7.052891085	5.526283813	1.526607273	0.001131
peak_17764	chr20	26286144	26287107	126350	Intergenic	NM_152959	esr1	9.394337778	7.867735112	1.526602666	1.18E-05
peak_27997	chr14	7924976	7925529	52619	Intergenic	NM_001014305	zgc:110843	7.505316038	5.978740663	1.526575376	0.001102
peak_25662	chr20	49325073	49325707	45090	Intergenic	NM_213427	mgst3	6.378768137	4.852269741	1.526498396	0.000489
peak_21373	chr15	47297054	47298934	-9001	Intergenic	NM_001076636_1	zgc:153039	9.066277127	7.539893125	1.526384003	8.04E-05
peak_24291	chr18	2015987	2016269	158584	Intergenic	NM_207073	relt	6.180352461	4.653984669	1.526367792	0.000292
peak_21255	chr6	45852979	45853503	-10357	Intergenic	NM_131415	epha2a	8.286149779	6.759847589	1.526302191	7.58E-05
peak_22387	chr24	34601708	34602146	-1779	Intergenic	NM_001114440	slc4a2b	7.050736917	5.524448345	1.526288572	0.000129
peak_25544	chr8	17169475	17170244	24111	intron (NM_001077805, intron 4 of 23)	NM_001077805	osbpl9	7.862734484	6.336689806	1.526044679	0.00047
peak_28417	chr22	10569073	10569490	749	intron (NM_001013570, intron 1 of 5)	NM_001013570	ogn	7.548454843	6.022464697	1.525990146	0.001257
peak_26042	chr20	13504720	13505007	35403	intron (NM_001030285, intron 7 of 13)	NM_001030285	ezrb	6.205052024	4.679186008	1.525866016	0.000558
peak_34607	chr7	50174720	50175381	20656	Intergenic	NM_001044752	traf6	7.576667262	6.050802572	1.525864691	0.006329
peak_43660	chr11	21291183	21292350	-56217	Intergenic	NM_001002230	tuba7l	6.657260644	5.131572887	1.525687757	0.031513
peak_20848	chr23	39117286	39117838	71494	Intergenic	NM_001080609	sall4	8.698469014	7.172825103	1.525643912	6.24E-05
peak_25539	chr3	27966626	27967293	17636	intron (NM_200562, intron 1 of 4)	NM_200562	carhsp1	7.301811675	5.776174464	1.525637211	0.00047
peak_37256	chr4	44402629	44403112	855467	Intergenic	NM_001128300	LOC100008037	4.157090365	2.631894559	1.525195805	0.011121
peak_18168	chr19	48087452	48088482	2714	intron (NM_001035264_1, intron 1 of 5)	NM_001035264_1	eif3hb	9.751304934	8.226274277	1.525030657	1.50E-05
peak_19581	chr7	22816287	22816982	-139350	Intergenic	NM_001077144	tmem88b	8.44190894	6.917217896	1.524691044	3.25E-05
peak_40985	chr20	39488088	39488361	5918	intron (NM_001089392, intron 7 of 7)	NM_001089392	si:ch211-10j20.1	3.720483721	2.195815732	1.524667989	0.021236
peak_43988	chr24	28030274	28030671	96112	Intergenic	NM_001077583	zmynd11	6.564605696	5.04019938	1.524406316	0.032901
peak_28412	chr15	30449402	30449918	25162	Intergenic	NM_199633	wsb1	6.639223123	5.114841654	1.524381469	0.001254
peak_32779	chr5	50408178	50408551	38949	Intergenic	NM_001123267	mblac2	6.220812539	4.696547646	1.524264892	0.004158
peak_29799	chr16	48927821	48928252	53284	Intergenic	NM_001045488	zgc:161979	6.902609781	5.378460233	1.524149547	0.001917
peak_27127	chr14	3645471	3645869	102101	Intergenic	NM_001017822	zgc:110204	6.658784617	5.134772855	1.524011762	0.000812
peak_36373	chr21	5359713	5360096	-8913	Intergenic	NM_173226	thbs4b	6.604996511	5.081563985	1.523432526	0.009272
peak_19837	chr12	48574296	48575117	20446	Intergenic	NM_130934	hhex	8.124915788	6.601547501	1.523368287	3.74E-05
peak_26065	chr17	33454652	33455215	22220	Intergenic	NM_181438	pomca	6.782638888	5.259331684	1.523307204	0.000562
peak_42887	chr19	1257723	1258202	12172	Intergenic	NM_001113601	scrt1a	5.492266851	3.969061087	1.523205764	0.028086
peak_21471	chr13	46659906	46660331	-84996	Intergenic	NM_213133	marcksl1a	7.575969354	6.052768317	1.523201037	8.41E-05
peak_29966	chr2	45365582	45366112	-113109	Intergenic	NR_029925		7.217844527	5.694907928	1.522936599	0.002009
peak_43585	chr21	1392501	1392833	284965	Intergenic	NM_201138	txnl1	3.930136166	2.407391883	1.522744283	0.031138
peak_33493	chr13	2058519	2059187	29340	intron (NM_001013445, intron 3 of 12)	NM_001013445	lrrc1	7.033347619	5.510653392	1.522694227	0.004911
peak_29014	chr23	3489721	3490104	35382	Intergenic	NM_001001828	rnf114	7.166159388	5.644165925	1.521993463	0.001515
peak_43626	chr7	24290788	24292241	142461	Intergenic	NM_001076719	ccnb3	3.027956891	1.506126384	1.521830507	0.031346
peak_39638	chr7	12127256	12127601	74485	Intergenic	NM_001080704	mesdc2	5.754755058	4.232966688	1.52178837	0.016969
peak_41132	chr23	39761219	39761478	4074	exon (NM_212922, exon 2 of 8)	NM_212922	otud3	5.572725943	4.051075621	1.521650321	0.021777
peak_41186	chr25	37174381	37174731	-14377	Intergenic	NM_001001405	irx5b	4.68663467	3.165295662	1.521339008	0.02197

peak_36363	chr3	11786024	11786558	-13990	intron (NM_001042778, intron 10 of 11)	NM_001037419	mmd	6.95683454	5.435535333	1.521299207	0.00925
peak_37576	chr20	48510640	48511194	-98956	Intergenic	NM_001025546	tfap2d	5.379824576	3.858526503	1.521298072	0.011804
peak_24570	chr3	45761095	45761548	-33397	Intergenic	NM_001128723	gper1	6.963554489	5.442492083	1.521062407	0.000326
peak_29383	chr2	56340604	56341925	3135	Intergenic	NM_001128342	jund	7.735228856	6.214455157	1.520773699	0.001699
peak_21917	chr16	23040616	23041179	21963	exon (NM_200628, exon 10 of 14)	NM_200628	skap2	7.584720091	6.064218697	1.520501394	0.000105
peak_19899	chr8	56160004	56161581	4835	intron (NM_205697, intron 2 of 5)	NM_205697	plxnd1	9.048284017	7.527848914	1.520435103	3.87E-05
peak_24640	chr3	26032011	26032465	-6812	Intergenic	NM_001017538	nubp1	8.084732389	6.564480194	1.520252195	0.000335
peak_31581	chr2	35135468	35135829	152201	intron (NM_194383, intron 8 of 23)	NM_131036	tnw	6.184608109	4.6646174	1.519990709	0.003066
peak_43757	chr13	51680263	51680562	58058	intron (NM_001014817_1, intron 4 of 4)	NM_001014817_1	dntt	4.50251599	2.982711569	1.519804422	0.032026
peak_27640	chr24	14751720	14752069	45935	Intergenic	NM_001159977	pi15a	6.155531108	4.635770959	1.519760149	0.000973
peak_28371	chr10	1804496	1804945	49686	intron (NM_131223, intron 6 of 23)	NM_131223	epb41l4a	6.491548267	4.971899343	1.519648924	0.001236
peak_29830	chr19	41856348	41856645	10291	intron (NM_212935, intron 8 of 8)	NM_001002046	bet1	5.69729188	4.177978508	1.519313372	0.001931
peak_33007	chr14	12181486	12182127	97060	Intergenic	NM_001105523	znf711	6.251504061	4.732609078	1.518894983	0.004407
peak_34374	chr17	8569902	8570226	-31864	Intergenic	NM_131715	ctbp2a	6.099429356	4.580709344	1.518720012	0.006009
peak_32649	chr21	30614722	30615211	188793	Intergenic	NM_001098766	zgc:165573	6.615599289	5.097246789	1.5183525	0.004028
peak_28215	chr1	14195927	14196319	210695	Intergenic	NM_001045485	pi4k2b	6.507399928	4.989061277	1.518338651	0.001179
peak_43973	chr21	15177487	15177906	-314030	Intergenic	NM_001166121	aqp3b	3.970047467	2.451870306	1.518177161	0.032834
peak_39305	chr21	4326552	4327399	8817	intron (NM_131441, intron 3 of 22)	NM_131441	notch1a	7.404750843	5.886928142	1.517822701	0.016083
peak_33584	chr4	24187834	24188075	-36311	intron (NM_001042744, intron 3 of 6)	NM_131211	gata3	5.588373709	4.070857161	1.517516548	0.005006
peak_27875	chr12	17566307	17566704	-17046	Intergenic	NM_001105680	MGC174152	6.466847069	4.949387139	1.51745993	0.001057
peak_35150	chr9	19628842	19629303	-28582	Intergenic	NM_001123297	chmp2ba	6.535443194	5.018251438	1.517191756	0.007109
peak_35249	chr16	17971300	17971778	-203769	Intergenic	NM_153650	has2	6.17395424	4.656798558	1.517155682	0.007265
peak_26475	chr9	43063050	43063454	75750	Intergenic	NM_001039630	col18a1	6.784833857	5.26796263	1.516871227	0.000646
peak_34274	chr10	41171914	41172337	-85325	Intergenic	NM_200744	smfn	6.55104315	5.034410243	1.516632907	0.005868
peak_30989	chr23	44070129	44070571	109419	Intergenic	NM_213374	zgc:56304	6.066926013	4.550445348	1.516480665	0.002611
peak_22409	chr21	686014	686741	-58675	Intergenic	NM_001113483	klf4	8.652052483	7.136181729	1.515870754	0.00013
peak_26818	chr18	35111818	35112508	2542	exon (NM_001007312, exon 3 of 4)	NM_001007312	fosb	7.704935795	6.189222766	1.51571303	0.000733
peak_32999	chr19	45358930	45359365	-531	promoter-TSS (NM_213455)	NM_213455	zgc:55573	6.300975385	4.785539723	1.515435662	0.004399
peak_23816	chr7	75391396	75391844	-71308	Intergenic	NM_001002436	psmd9	7.682246353	6.16682675	1.515419603	0.000239
peak_34923	chr12	939442	940025	-86397	Intergenic	NM_001078169	sult2st2	7.604218964	6.089064254	1.515154709	0.006759
peak_39153	chr24	24910577	24910961	16981	Intergenic	NM_199870	ythdf3	5.581503012	4.066508341	1.514994671	0.015684
peak_26992	chr8	39110135	39110816	78873	Intergenic	NM_001039526	prlhr2a	8.204166402	6.689366258	1.514800144	0.000777
peak_38268	chr24	19500625	19500889	-258930	Intergenic	NM_001089499	zgc:162928	5.777024883	4.262263214	1.514761669	0.013424
peak_17600	chr11	28829758	28830760	-15625	intron (NM_001077792, intron 1 of 18)	NM_201007	alpl	10.31080174	8.796046818	1.514754923	1.06E-05
peak_40498	chr3	42569814	42571112	20443	Intergenic	NM_001013282	il4r.1	3.683215657	2.16847592	1.514739737	0.019583
peak_20306	chr13	41379943	41380669	-2410	Intergenic	NM_212830	nkx1.2la	7.940496944	6.425854144	1.5146428	4.84E-05
peak_40036	chr25	16483481	16483780	20271	intron (NM_213508, intron 10 of 10)	NM_001089545	dkk3	5.657696229	4.143349831	1.514346399	0.018116
peak_35141	chr7	4837019	4837279	-5995	Intergenic	NM_001099992	si:ch211-225k7.6	5.964797345	4.450555498	1.514241846	0.007097
peak_25135	chr3	51304741	51305297	80874	Intergenic	NM_001102636	zgc:165582	6.862251107	5.348106599	1.514144509	0.000407
peak_32708	chr3	28676320	28676701	139900	Intergenic	NM_001201336	fbxl16	5.949894945	4.436075729	1.513819216	0.004094
peak_33575	chr23	23314155	23315617	158673	Intergenic	NM_001003830	noc2l	8.184830384	6.671090693	1.513739691	0.004995
peak_20289	chr8	19848772	19849527	17907	intron (NM_205637, intron 1 of 19)	NM_205637	rgl1	8.832358591	7.3186247	1.513733891	4.80E-05
peak_42915	chr16	13632511	13632796	-23337	Intergenic	NM_001089430	cxcr3.1	4.132157201	2.618499672	1.513657529	0.028205
peak_40412	chr25	169263	169948	7318	intron (NM_180969_1, intron 4 of 10)	NM_001077771_1	zgc:109782	5.090708057	3.577126856	1.5135812	0.019292
peak_26661	chr7	74179065	74179566	244761	Intergenic	NM_001006020_1	ccdc149a	6.307945886	4.794437579	1.513508307	0.00069
peak_25238	chr4	27387685	27388107	192412	Intergenic	NM_001105586	cerk	7.69145381	6.178038104	1.513415707	0.000422
peak_29103	chr5	34375590	34375972	-33362	Intergenic	NM_199754	ier5l	6.648263679	5.135103607	1.513160072	0.00156
peak_43254	chr25	7662628	7663204	35592	Intergenic	NM_001089334	hmg20a	6.107442047	4.594302997	1.51313905	0.029783
peak_38401	chr14	796389	796872	7331	intron (NM_212882, intron 8 of 12)	NM_194364	adra2da	6.45356904	4.94051733	1.51305171	0.013787
peak_41827	chr18	5366903	5367293	-129494	Intergenic	NM_001013457	gcsha	6.496956344	4.983952519	1.513003825	0.024035
peak_34445	chr3	22322641	22323220	73756	Intergenic	NM_201449	cdc27	7.940686371	6.427803837	1.512882535	0.006117
peak_37075	chr24	9558147	9558538	60819	Intergenic	NM_001199738	topbp1	5.826017789	4.313792841	1.512224948	0.010725
peak_23607	chr9	36397363	36397801	212652	intron (NM_131830, intron 1 of 16)	NM_131830	ncam2	6.821542622	5.309320501	1.512222121	0.000216
peak_32056	chr23	22423573	22424123	1072	intron (NM_152958, intron 1 of 14)	NM_152958	phc2a	6.607969173	5.095781836	1.512187337	0.003477
peak_30358	chr5	24934383	24934606	12340	Intergenic	NM_001005586	plp1b	5.389328476	3.877348609	1.511979867	0.002229
peak_43800	chr16	39029422	39029761	-175134	Intergenic	NM_001200061	LOC100005807	5.704923501	4.192963702	1.511959799	0.032193
peak_27897	chr21	7962905	7963413	-40898	Intergenic	NM_001159586	lhx2a	5.617852683	4.106056177	1.511796506	0.001065
peak_22585	chr8	27694636	27695251	23554	Intergenic	NM_001126417	si:ch211-156j16.1	7.529008666	6.017240234	1.511768432	0.00014
peak_23990	chr15	13746518	13747623	-75072	intron (NM_001012375, intron 4 of 8)	NM_001030204	dpf1	9.29452725	7.782808789	1.511718462	0.000256
peak_35379	chr3	38155908	38156370	337089	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	6.496441	4.984962826	1.511478174	0.007462
peak_30545	chr4	36546741	36547027	-983023	Intergenic	NM_001135989_1	zgc:174690	4.789026601	3.277670282	1.511356318	0.002334
peak_30785	chr2	32287600	32288077	4962	exon (NM_213298, exon 2 of 3)	NM_213298	tmub1	5.385095197	3.873777163	1.511318034	0.002477
peak_34745	chr18	45651783	45652470	-95959	Intergenic	NM_199925	zgc:77304	7.462871908	5.951643438	1.511228471	0.006476
peak_35786	chr14	49813637	49814057	18878	intron (NM_001110469, intron 5 of 6)	NM_001110469	qdpra	6.652884796	5.141740373	1.511144423	0.008185
peak_43145	chr3	24578614	24579017	50240	Intergenic	NM_001113733	csf2rb	7.19622496	5.685207014	1.511017945	0.029235
peak_32480	chr23	31737839	31738409	12951	intron (NM_001282173, intron 2 of 19)	NM_001282173	eya4	4.906830085	3.395857623	1.510972462	0.003872
peak_31622	chr16	58264290	58264630	-16714	Intergenic	NM_001077321_1	spag1b	6.059692852	4.548812601	1.510880252	0.003098
peak_18742	chr16	24775755	24776520	87543	Intergenic	NM_001013495	s100t	10.13145861	8.620865001	1.510593606	2.04E-05
peak_31828	chr3	7233282	7234052	263694	Intergenic	NM_205613	hn1b	6.821725652	5.311144467	1.510581185	0.003291
peak_43441	chr16	20235904	20237719	-256483	Intergenic	NM_131238	rxrbb	6.276460038	4.766160941	1.510299097	0.030578
peak_35792	chr1	35079160	35079659	10034	intron (NM_001003527, intron 2 of 3)	NM_001003527	kctd15b	4.980571993	3.47049574	1.510076253	0.008193
peak_28900	chr21	44400533	44400780	1402	exon (NM_001040361, exon 2 of 9)	NM_001040361	h2afy	5.282403856	3.77235518	1.510048676	0.001468
peak_24522	chr2	47276300	47277724	245611	Intergenic	NM_001145932	acsl3b	8.757486113	7.247446648	1.510039465	0.00032
peak_25890	chr18	48195543	48196299	96070	Intergenic	NM_001007334	yif1b	7.455736282	5.945797543	1.509938739	0.00053
peak_21054	chr15	19215620	19216494	15246	Intergenic	NM_001077250	spint2	8.890812124	7.380908978	1.509903146	6.87E-05
peak_22073	chr3	63084255	63085201	-18975	Intergenic	NM_001025465	sox8b	7.614939595	6.105204298	1.509735298	0.000112
peak_34553	chr23	11942157	11942490	-298760	Intergenic	NM_001256764	ttll9	5.903874107	4.394592767	1.50928134	0.006259
peak_21774	chr18	48854637	48855507	27522	intron (NM_001045317, intron 1 of 4)	NM_001045317	mob2b	8.349734478	6.840469066	1.509265412	9.76E-05
peak_36175	chr25	32430253	32430821	-7833	Intergenic	NM_001003744	kras	6.979178573	5.470039064	1.509139509	0.008887
peak_20260	chr14	2229116	2230925	-761	promoter-TSS (NM_001013264)	NM_001013264	fgf18a	8.863206682	7.354133803	1.509072879	4.73E-05
peak_41770	chr12	14330080	14330570	18326	TTS (NM_212710)	NM_212710	ppp1cab	6.182170277	4.673097476	1.509072801	0.023859
peak_37500	chr21	16312208	16312521	-79735	Intergenic	NM_001161551	rxraa	5.122091483	3.61314146	1.508950023	0.011656
peak_21458	chr22	21145120	21145972	-63592	Intergenic	NM_001007779	amh	9.435146944	7.926362804	1.508784139	8.36E-05
peak_29589	chr7	70381266	70381976	-44624	Intergenic	NM_200529	marveld3	6.925621929	5.416851092	1.508770837	0.001799
peak_37053	chr21	13585832	13586144	-100468	Intergenic	NM_201168	sfswap	4.771377205	3.262695422	1.508681783	0.010672
peak_29899	chr15	44176615	44177017	92091	Intergenic	NM_200546	psmd2	6.109990796	4.601333811	1.508656985	0.001968
peak_36920	chr5	24383975	24384192	2025	exon (NM_201579, exon 2 of 10)	NM_201579	nono	4.30822336	2.799953645	1.508269714	0.010392
peak_24654	chr23	24433629	24434094	72895	Intergenic	NR_105070		6.260152074	4.751942033	1.508210041	0.000338
peak_37416	chr16	44825047	44825470	339	exon (NM_001162847, exon 1 of 8)	NM_001162847	si:ch211-225p5.3	6.548226788	5.040017884	1.508208904	0.011479
peak_32893	chr16	56551948	56552233	25841	intron (NM_001098197, intron 3 of 10)	NM_001097586	nkd2b	6.144366862	4.636187364	1.508179498	0.004273
peak_34878	chr13	8773400	8773969	226	intron (NM_001114930, intron 1 of 11)	NM_001114930	si:ch211-243o19.1	6.787423614	5.279508068	1.507915546	0.00668
peak_41359	chr17	42936105	42936858	6826	exon (NM_131422, exon 3 of 3)	NM_131422	nkx2.2a	6.717119702	5.209601453	1.50751825	0.022516
peak_41154	chr18	25039349	25039662	30286	Intergenic	NM_001044330	si:dkeyp-59c12.1	5.446527893	3.93908353	1.507444362	0.021835
peak_23987	chr18	33207466	33207824	265899	Intergenic	NM_001045019	tiparp	6.568330818	5.060901273	1.507429545	0.000255
peak_37523	chr18	31542484	31542976	23519	Intergenic	NM_001082899	v2rx1	5.895773041	4.388356874	1.507416167	0.011724
peak_35226	chr4	50119475	50120169	280634	Intergenic	NM_001111254	zgc:174180	5.543742525	4.03674507	1.506997456	0.007223
peak_42497	chr4	36407304	36407544	-843563	Intergenic	NM_001135989_1	zgc:174690	4.706187427	3.199372727	1.5068147	0.026415
peak_32227	chr6	44349644	44350040	-16560	Intergenic	NM_001256392	pdzrn3b	5.91452628	4.407845449	1.506680831	0.003622
peak_20917	chr3	57869686	57870350	165733	Intergenic	NM_001099249_2	zgc:165627	9.36004427	7.853445179	1.506599092	6.45E-05
peak_36731	chr5	20730836	20731272	14412	exon (NM_001126395, exon 11 of 13)	NM_001126395	ankle2	6.563224942	5.056703718	1.506521224	0.009969
peak_41646	chr23	6449304	6449595	123463	Intergenic	NM_001077146	bmp7b	5.369194182	3.862730197	1.506463985	0.023436
peak_36906	chr6	6683468	6683786	9009	intron (NM_001004570, intron 4 of 6)	NM_001004570	ccdc85al	6.142171338	4.635794858	1.50637648	0.010365
peak_41667	chr4	26133786	26134159	261643	Intergenic	NM_200523	creld2	5.211017346	3.704738915	1.506278431	0.023502
peak_21151	chr14	38966119	38966728	759524	Intergenic	NM_001048055	lect2l	7.992828912	6.486581616	1.506247296	7.23E-05
peak_28068	chr13	2777210	2777738	67001	Intergenic	NM_001161598	si:ch211-239i4.3	8.485343999	6.979449134	1.505894865	0.001126

peak_29287	chr22	33595663	33596355	67032	Intergenic	NM_001040377	zgc:136895	7.877526402	6.371905244	1.505621159	0.001658
peak_30421	chr4	59175244	59175614	174036	Intergenic	NM_001099227	zgc:165515	7.327120338	5.82186917	1.505251168	0.002265
peak_24259	chr23	45640	46562	63922	Intergenic	NM_130985	twist3	8.344058271	6.838879346	1.505178925	0.000288
peak_40485	chr8	9749417	9749754	231327	Intergenic	NM_200092	bcap31	4.839902879	3.334764723	1.505138156	0.01954
peak_41831	chr7	6989950	6990170	177820	Intergenic	NM_001089569	zgc:163040	5.15770641	3.65291518	1.50479123	0.024056
peak_19141	chr25	35612969	35614111	82008	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	9.406853887	7.902092127	1.50476176	2.56E-05
peak_33810	chr4	49753843	49754258	34923	Intergenic	NR_030521		6.04005539	4.535393745	1.504661645	0.005267
peak_31658	chr1	57544297	57544551	119596	intron (NM_001113805, intron 7 of 9)	NM_001113805	sc:d0284	5.466612992	3.962410704	1.504202288	0.003132
peak_40877	chr4	35070829	35071782	-256596	Intergenic	NM_001114927	zgc:174650	3.688341143	2.184227513	1.50411363	0.020812
peak_30695	chr3	2001691	2002832	5273	Intergenic	NM_199710	wbp2nl	7.804479897	6.300383285	1.504096612	0.002423
peak_31517	chr8	10927284	10928180	-13072	Intergenic	NM_001077391	zgc:153997	7.847693891	6.343855847	1.503838044	0.003015
peak_26706	chr16	58080482	58081503	180	exon (NM_200561, exon 1 of 2)	NM_200561	fzd6	7.616067248	6.112334251	1.503732997	0.000702
peak_35834	chr7	30011842	30012390	5873	exon (NM_001020481, exon 10 of 13)	NM_001020481	gpr56	6.781028784	5.277732636	1.503296148	0.008268
peak_21245	chr11	6598416	6598980	59885	Intergenic	NM_213031	gadd45ba	7.616172773	6.113025839	1.503146934	7.54E-05
peak_31022	chr13	11009410	11009810	84188	intron (NM_001197201, intron 3 of 14)	NM_001197201	akt3a	5.956990863	4.454115983	1.50287488	0.002633
peak_42053	chr21	494415	495038	-39199	Intergenic	NM_205663_1	lhfpl2a	5.057345246	3.554738385	1.502606861	0.024837
peak_23945	chr14	27769313	27770795	-41039	Intergenic	NM_001110457	klhl4	8.225525554	6.722981761	1.502543793	0.000251
peak_27450	chr24	23847843	23848342	431240	Intergenic	NM_001075111	hnf4g	8.076108231	6.573703178	1.502405053	0.00091
peak_36090	chr22	4186156	4186537	62304	Intergenic	NM_213077_1	uhrf1	5.565315894	4.063101798	1.502214096	0.008708
peak_23577	chr2	45673258	45674083	45578	Intergenic	NM_213489	prpf38b	7.017783526	5.515596156	1.502187369	0.000213
peak_28804	chr4	4316217	4316755	-66282	Intergenic	NM_001030208	gnsa	6.535930973	5.033771209	1.502159763	0.001421
peak_34073	chr20	24969701	24970653	22468	intron (NM_001044979, intron 3 of 17)	NM_001044979	epha7	7.219485435	5.717445695	1.502039739	0.005611
peak_25993	chr1	55689220	55689690	12166	Intergenic	NM_200586	mb	7.414987033	5.913167209	1.501819824	0.000549
peak_35534	chr3	42046687	42047216	-38295	Intergenic	NM_001162443	snx8a	5.408637962	3.906851907	1.501786055	0.007733
peak_30204	chr15	45567401	45567725	-217415	Intergenic	NM_001278822	igsf11	5.627250145	4.125875246	1.5013749	0.002147
peak_41205	chr9	15877888	15878452	-177299	Intergenic	NM_131520	fn1a	3.684926177	2.183640009	1.501286168	0.022029
peak_23156	chr2	22742431	22743048	62195	intron (NM_001144045, intron 19 of 19)	NM_001144045	kifap3b	7.730572096	6.22935888	1.501213216	0.000181
peak_23702	chr15	46469656	46470201	-1320	intron (NM_205646, intron 1 of 6)	NM_200541_1	zgc:66101	7.074641041	5.573958944	1.500682097	0.000226
peak_21649	chr2	56697324	56698218	23822	Intergenic	NM_001002555	rab11bb	7.60998975	6.10974198	1.50024777	9.21E-05
peak_20857	chr15	46644336	46645142	-37127	Intergenic	NM_205646	zgc:77147	9.007077915	7.506833539	1.500244376	6.26E-05
peak_27925	chr17	53634777	53635327	-52186	Intergenic	NM_001013290	dph6	7.560418694	6.060208682	1.500210012	0.001078
peak_24194	chr11	27520098	27520575	-10021	Intergenic	NM_001004017	st3gal2l	7.042392356	5.542345602	1.500046754	0.00028
peak_43808	chr13	34030563	34030931	20888	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	6.340659428	4.840903931	1.499755497	0.032216
peak_27864	chr22	11413697	11414255	134674	Intergenic	NM_200832	mid1ip1b	8.367139244	6.867408944	1.4997303	0.001052
peak_25628	chr12	18374347	18374982	105551	intron (NM_001002607, intron 6 of 6)	NM_001002607	rnls	8.278727238	6.779068658	1.49965858	0.000485
peak_33242	chr7	30330285	30330667	-18107	Intergenic	NM_198826	dnaaf1	5.95060611	4.450992036	1.499614074	0.004642
peak_20931	chr21	37421034	37423896	149631	Intergenic	NM_001080058	zgc:158291	11.25864803	9.759075861	1.4995721 71	6.49E-05
peak_33768	chr25	38446935	38448060	-3081	exon (NM_200563, exon 5 of 8)	NM_214740	slc10a3	6.874900798	5.375337367	1.499563431	0.005225
peak_29577	chr11	40248526	40248826	29566	intron (NM_001017736, intron 2 of 3)	NM_001017736	cldn19	6.004116466	4.504640333	1.499476133	0.001796
peak_21965	chr9	6136009	6137152	13068	intron (NM_001159914, intron 1 of 4)	NM_001159914	st6gal2a	9.071860837	7.572414251	1.499446587	0.000107
peak_32512	chr25	14052225	14052651	-5711	Intergenic	NM_001045420	fa2h	7.790119654	6.290677352	1.499442302	0.003902
peak_40830	chr12	50517996	50518400	-45809	intron (NM_001291882, intron 2 of 3)	NM_001291882_1	chatb	6.151188688	4.651810529	1.499378159	0.020654
peak_28910	chr7	70518125	70518613	-87274	Intergenic	NM_199682	ap1g1	6.312671826	4.813329979	1.499341847	0.001472
peak_40827	chr13	41689534	41689826	55109	Intergenic	NM_001281800	dkk1a	5.058043882	3.558726605	1.499317278	0.020643
peak_29981	chr4	19694544	19694899	-53966	Intergenic	NM_001045143	nav3	6.341744134	4.842479185	1.499264949	0.002017
peak_30980	chr22	21289865	21290346	-19311	intron (NM_001202512, intron 5 of 17)	NM_200884	fkbp8	6.785033234	5.285839692	1.499193543	0.002605
peak_37197	chr10	21684409	21684723	19250	intron (NM_001045337, intron 1 of 1)	NM_001045337	zgc:123181	5.810777555	4.311739231	1.499038325	0.011003
peak_38734	chr3	52220714	52221120	37293	intron (NM_213256, intron 2 of 14)	NM_213256	ttyh2l	5.880136348	4.381140261	1.498996088	0.014548
peak_25193	chr6	59865153	59865854	-53710	Intergenic	NM_001080701	slc32a1	6.337400409	4.838564204	1.498836205	0.000415
peak_41166	chr2	36204057	36204369	16995	Intergenic	NM_001199372_1	LOC100331689	5.860927687	4.362136594	1.498791094	0.021891
peak_22539	chr3	11713819	11714355	-61114	intron (NM_001042778, intron 10 of 11)	NM_001020706	zgc:112965	7.38286522	5.884203128	1.498662092	0.000138
peak_28200	chr2	46521157	46521451	-78565	Intergenic	NM_201020_1	gpc1b	6.101031722	4.602417221	1.498614501	0.001175
peak_24691	chr14	33756949	33757610	-6671	Intergenic	NM_001004497	slc25a43	7.372928379	5.874402067	1.498526312	0.000344
peak_40029	chr7	60624630	60625059	7312	exon (NM_173248, exon 11 of 11)	NM_173248	cct7	6.093646061	4.595291657	1.498354404	0.018104
peak_26824	chr24	15075706	15076335	-40054	Intergenic	NM_001080646	cd226	6.864727683	5.366396228	1.498331454	0.000734
peak_23738	chr11	41552593	41553118	-46569	Intergenic	NM_205591	uts2b	6.793801783	5.295544919	1.498256864	0.000229
peak_24989	chr3	46514388	46514941	31926	Intergenic	NM_001115104	si:ch211-66e2.3	8.03433963	6.53609695	1.49824268	0.000386
peak_25677	chr10	19627718	19628062	3681	exon (NM_001111233, exon 5 of 5)	NM_001111233	zgc:173837	6.20626096	4.708206783	1.498054177	0.000491
peak_32236	chr24	40918957	40919337	-157029	Intergenic	NM_001037114	nubp2	5.868872007	4.370981962	1.497890044	0.003632
peak_43578	chr21	42676244	42676475	13434	Intergenic	NM_001105278	fgf1b	3.50251599	2.005062954	1.497453036	0.031118
peak_40099	chr17	23613545	23613808	1525	intron (NM_001256225, intron 2 of 15)	NM_001256225	slc18a2	5.796189231	4.299195676	1.496993554	0.018315
peak_31619	chr20	40748161	40749117	3545	exon (NM_131038, exon 2 of 2)	NM_131038	cx43	7.005476036	5.508581722	1.496894314	0.003096
peak_23683	chr22	14004812	14005386	-9691	Intergenic	NM_001002552	s100b	7.71984596	6.223069105	1.496776855	0.000223
peak_20364	chr6	38932450	38933091	3227	intron (NM_001159985, intron 1 of 8)	NM_001159985	vdrb	8.737093773	7.240353865	1.496740108	5.00E-05
peak_37321	chr11	25995594	25995885	-2356	Intergenic	NM_199517	ndrg3a	5.594783512	4.098296464	1.496487048	0.011265
peak_42047	chr11	25471976	25472353	-79827	Intergenic	NM_001080582	mxra8a	5.721293112	4.224835886	1.496457226	0.024814
peak_34245	chr17	27707631	27707931	128049	Intergenic	NM_131224	qkia	4.638794795	3.142398615	1.496396179	0.005833
peak_30938	chr2	10950986	10951417	-40497	Intergenic	NM_001099976	cryz	5.839925272	4.343699312	1.49622596	0.002581
peak_28611	chr15	471597	473218	-2378	Intergenic	NM_001033099	psph	8.109920501	6.613789568	1.496130933	0.001336
peak_37353	chr22	2371001	2372859	31381	Intergenic	NM_200598	irf6	7.584133964	6.088080867	1.496053097	0.011324
peak_38164	chr18	44293400	44293931	-77765	Intergenic	NM_201026	ap2m1b	6.623897216	5.127901785	1.495995431	0.013183
peak_25035	chr2	33684682	33685239	26179	Intergenic	NM_130988	ptch2	8.03207847	6.53624763	1.49583084	0.000392
peak_33334	chr6	13715517	13715782	-1667	Intergenic	NM_001033919	tmem198b	5.864727683	4.369009218	1.495718464	0.004743
peak_40403	chr11	34537383	34537975	-82848	Intergenic	NM_001024389	lims1	3.447031973	1.951342578	1.495689395	0.019245
peak_25812	chr6	28932397	28933698	1806	intron (NM_131668, intron 1 of 5)	NM_131668	atp1b1a	8.964520472	7.468969539	1.495550932	0.000516
peak_26823	chr25	1976257	1976655	-125779	Intergenic	NM_131042_1	fbln1	6.17915701	4.683760327	1.495396683	0.000734
peak_28489	chr13	5829324	5829677	-36774	Intergenic	NM_201488	ppm1g	6.153061625	4.658239321	1.494822304	0.001286
peak_28616	chr15	43353976	43354556	-6954	Intergenic	NM_001033729	aasdhppt	6.724219464	5.229469302	1.494750162	0.001338
peak_22984	chr17	449361	450640	-54498	Intergenic	NM_001020803	chrm5a	8.606768906	7.112043388	1.494725518	0.000168
peak_28780	chr18	27547551	27547868	27335	exon (NM_212663, exon 2 of 10)	NM_212663	cd82b	5.93519636	4.440528936	1.494667424	0.00141
peak_25814	chr2	15969491	15969928	10077	intron (NM_001126393, intron 2 of 26)	NM_001126393	vav3b	7.026935892	5.532771128	1.494164764	0.000516
peak_32598	chr25	12929022	12929387	1727	Intergenic	NM_001113639	LOC798811	6.403712507	4.909862882	1.493849625	0.003977
peak_35336	chr16	6598929	6599564	104385	Intergenic	NM_001020563	echdc1	4.994472906	3.500927565	1.49354534	0.007378
peak_38956	chr2	32662728	32663073	98385	Intergenic	NM_001002637	tmem53	4.998605159	3.50511884	1.493486318	0.015149
peak_43632	chr17	176721	178255	6567	intron (NM_001042745, intron 67 of 69)	NM_001002697_1		7.811566402	6.318139219	1.493427182	0.031377
peak_38921	chr15	361241	361647	-93147	Intergenic	NM_131034	gbas	6.334406493	4.841044138	1.493362355	0.01505
peak_42450	chr18	41464142	41464770	140294	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	6.750857803	5.257824335	1.493033467	0.026226
peak_42927	chr9	2868183	2868534	22373	Intergenic	NM_001017574	cdca7a	5.477045347	3.984298991	1.492746355	0.028272
peak_42112	chr5	74517490	74518059	317044	Intergenic	NM_001003993	ak1	4.740408792	3.247925105	1.492483687	0.025032
peak_37327	chr3	57090192	57090524	95858	Intergenic	NM_001115092_1	stk19	5.633932718	4.141458643	1.492474075	0.011277
peak_34400	chr15	44549657	44550109	9935	Intergenic	NM_200546_2	psmd2	6.207468884	4.715124437	1.492344447	0.006056
peak_32110	chr3	59633138	59633600	29306	intron (NM_001285388, intron 6 of 15)	NM_001285388	si:ch73-281f12.4	6.153061625	4.660759299	1.492302326	0.003511
peak_31867	chr18	6979424	6979799	22976	Intergenic	NM_001110381	si:dkey-30c15.2	6.107760887	4.615740543	1.492020345	0.003327
peak_29401	chr11	34509211	34509687	-54618	Intergenic	NM_001024389	lims1	7.638255987	6.14631719	1.491938797	0.001707
peak_39891	chr21	30722936	30723367	80608	Intergenic	NM_001098766	zgc:165573	5.305446222	3.81352337	1.491922852	0.017679
peak_21809	chr16	14251195	14252765	11062	Intergenic	NM_001282092	cox6b2	9.1049194	7.613082719	1.491836682	9.95E-05
peak_23651	chr21	13875525	13875969	-31976	Intergenic	NM_200784	chchd10	7.266465608	5.774675119	1.491790488	0.00022
peak_30427	chr14	1180197	1180739	4338	intron (NM_198209, intron 2 of 2)	NM_198209	hopx	6.819769419	5.328379439	1.49138998	0.00227
peak_22919	chr25	11575563	11576186	-182418	Intergenic	NM_001265607	mespbb	7.192003491	5.700797016	1.491206475	0.000163
peak_40680	chr6	27298522	27298782	-33616	intron (NM_001083826, intron 8 of 14)	NM_001089582	slco2a1	6.008904221	4.517766245	1.491137976	0.020188
peak_24615	chr12	48909171	48910024	-284	promoter-TSS (NM_130934_1)	NM_130934_1	hhex	7.780328903	6.28936329	1.490965612	0.000331
peak_42409	chr4	49582124	49583369	206227	Intergenic	NR_030521		5.887997538	4.397219412	1.490778126	0.02607
peak_27138	chr9	6505413	6505960	37384	intron (NM_200997, intron 1 of 3)	NM_200997	nck2a	6.922906591	5.432393095	1.490513496	0.000815
peak_28785	chr21	35056233	35056660	-244701	Intergenic	NM_001001816	sgcd	6.805075594	5.314622988	1.490452606	0.001412
peak_37602	chr15	36432896	36433219	94515	Intergenic	NM_001004582	ctrl	5.081646992	3.591237266	1.490409725	0.011861

peak_42060	chr5	1870057	1870487	34934	Intergenic	NM_200293_1	ddrgk1	3.997917271	2.507601846	1.490315426	0.024863
peak_20879	chr15	43739730	43740816	66836	Intergenic	NM_131672	csf1ra	8.756989866	7.266892589	1.490097277	6.32E-05
peak_42628	chr5	15679274	15679627	263334	Intergenic	NM_001171697	npffr1l2	6.071856071	4.582008512	1.489847558	0.026962
peak_36766	chr19	47502037	47502478	46587	intron (NM_001177934, intron 2 of 7)	NM_001177934	trps1	5.310441227	3.820726479	1.489714748	0.010051
peak_35002	chr5	75595176	75595497	9987	Intergenic	NM_200686	mtfp1	5.909027092	4.419397782	1.48962931	0.006871
peak_42502	chr22	8603066	8603282	-559004	Intergenic	NM_001122619	sc:d217	3.854460154	2.364930077	1.489530077	0.026441
peak_24089	chr5	32358418	32359529	-4727	Intergenic	NM_001075103	ftr82	8.817827584	7.328393541	1.489434044	0.000267
peak_26254	chr15	13188395	13188814	45317	TTS (NM_199847)	NM_199847	fxyd6	6.878257786	5.388828818	1.489428968	0.0006
peak_38015	chr8	5218205	5218655	-29984	Intergenic	NM_001102640	tmem230b	6.970418617	5.481107237	1.489311379	0.012808
peak_26192	chr17	27437077	27437760	33283	intron (NM_001007398, intron 2 of 4)	NM_001007398	pacrg	7.676561902	6.18762036	1.488941542	0.000589
peak_38516	chr21	8138637	8139157	-125795	Intergenic	NM_001045299	crb2a	4.297082589	2.808439269	1.48864332	0.014028
peak_22351	chr15	8377927	8378698	5227	intron (NM_001044904, intron 3 of 9)	NM_001044904	tnfrsf19	7.981099255	6.492529953	1.488569301	0.000128
peak_25903	chr24	28570798	28571191	152253	intron (NM_131095, intron 13 of 16)	NM_131095	ek1	6.407602421	4.919238345	1.488364076	0.000533
peak_19714	chr2	24750695	24751231	15067	Intergenic	NM_001007459	slc35g2a	8.593304226	7.105151663	1.488152563	3.50E-05
peak_35952	chr9	26182667	26183027	32108	Intergenic	NM_001017796	esd	6.421534866	4.933424903	1.488109963	0.008452
peak_41775	chr5	75020539	75021172	88505	Intergenic	NM_001114475	fam78ab	6.451826625	4.963860173	1.487966452	0.023873
peak_38456	chr21	22560781	22561073	24562	intron (NM_199635, intron 2 of 4)	NM_199635	zbtb16a	5.450555613	3.962685709	1.487869904	0.013892
peak_31175	chr5	28933987	28934383	-115310	Intergenic	NM_194391	hdr	6.730066503	5.242217163	1.48784934	0.002737
peak_41619	chr11	18421569	18421972	42284	Intergenic	NM_001114554	cishb	3.683215657	2.195815732	1.487399925	0.023362
peak_34839	chr4	13614626	13614895	-62546	Intergenic	NM_001161600	plxnb2a	5.581962078	4.094621715	1.487340363	0.006614
peak_25253	chr5	45326033	45326402	-24705	Intergenic	NM_001126415	si:dkey-40c11.1	6.199079392	4.711762507	1.487316885	0.000425
peak_31901	chr3	57940771	57941930	-109217	Intergenic	NM_001123516	fscn2a	7.564735378	6.077485555	1.487249823	0.003349
peak_32550	chr9	30563715	30564167	-32748	Intergenic	NM_199610	dnajc3a	6.76734639	5.280633412	1.486712979	0.003937
peak_26571	chr17	46064819	46065755	89618	Intergenic	NR_029933		7.908757986	6.422199871	1.486558115	0.000667
peak_43527	chr3	2077905	2078634	18328	Intergenic	NM_205652	wbp11	4.056062627	2.569730332	1.486332295	0.030878
peak_40014	chr20	5132511	5132776	-15645	exon (NM_001163779, exon 11 of 11)	NM_001020522	cyp46a1	5.339030839	3.852857063	1.486173776	0.018059
peak_33598	chr7	21814355	21815490	309	5' UTR (NM_001076607, exon 1 of 6)	NM_001076607	tnfsf12	7.705561747	6.219631703	1.485930044	0.005021
peak_28156	chr22	21474600	21474863	110	intron (NM_001113602, intron 1 of 8)	NM_001113602	crlf1b	6.448543158	4.962632164	1.485910994	0.001161
peak_33192	chr19	43512456	43512678	14350	intron (NM_001104526, intron 1 of 56)	NM_001104526	trioa	5.751878154	4.266152867	1.485725287	0.004592
peak_29386	chr5	1584536	1584909	-12580	Intergenic	NM_001245965	dnm1a	6.24687951	4.761167059	1.485712451	0.001699
peak_30024	chr11	2322810	2323256	-46924	Intergenic	NM_001161401	igfbp6a	6.591810123	5.106195972	1.485614151	0.002038
peak_23965	chr18	390821	391399	-35982	Intergenic	NM_199903_1	larp6	7.199528198	5.71418852	1.485339678	0.000253
peak_19790	chr3	5838939	5839748	35841	Intergenic	NM_205641	txn2	10.52695814	9.042002728	1.484955413	3.63E-05
peak_33936	chr3	42912799	42913240	-17796	Intergenic	NR_030106		6.47974331	4.994910647	1.484832664	0.005453
peak_41116	chr11	42608509	42608888	51586	Intergenic	NM_001005938	park7	5.015096151	3.530488505	1.484607646	0.021744
peak_42489	chr13	39498730	39498944	127897	Intergenic	NM_001077317	zgc:153049	5.148401839	3.664446721	1.483955118	0.026379
peak_20461	chr18	49461523	49462256	28793	Intergenic	NM_001080621	zgc:158464	8.027362215	6.543486417	1.483875798	5.20E-05
peak_31449	chr23	41601097	41601427	254778	intron (NM_001260501, intron 12 of 18)	NM_001260501	scube3	5.468600414	3.984741571	1.483858844	0.002948
peak_24934	chr6	7106006	7106649	-60051	Intergenic	NM_001001501	dzip1	7.625358471	6.141622862	1.483735608	0.000378
peak_41434	chr4	35015822	35024784	-205594	Intergenic	NM_001114927	zgc:174650	3.730456497	2.246827849	1.483628648	0.022722
peak_35954	chr18	49760013	49760390	-15159	Intergenic	NM_001246276_1	reln	5.763709003	4.280119589	1.483589414	0.008455
peak_41695	chr2	36694188	36694470	33555	Intergenic	NM_001012386	gadd45bb	5.869248174	4.385954055	1.483294119	0.023616
peak_25030	chr14	25708799	25709388	51704	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	7.85799293	6.374773738	1.483219192	0.000392
peak_25709	chr12	47869968	47870675	-49303	Intergenic	NM_198802	adkb	8.028531673	6.545315149	1.483216524	0.000497
peak_42771	chr25	29368507	29369005	-87541	Intergenic	NM_001098391	tmem17	3.859012881	2.376078639	1.482934241	0.027584
peak_18026	chr15	46910589	46914883	-6719	Intergenic	NM_213169	mpzl3	10.75753755	9.274924086	1.482613463	1.38E-05
peak_30293	chr3	5804951	5807272	69073	Intergenic	NM_205641	txn2	9.045699712	7.563167713	1.482531998	0.002187
peak_37128	chr3	62715659	62716520	32915	Intergenic	NM_001105129	srebf1	7.517754457	6.035880347	1.481874111	0.010833
peak_40116	chr8	47724426	47724852	189281	Intergenic	NM_212758	ppiaa	7.395225348	5.913390678	1.48183467	0.018366
peak_21497	chr5	34156266	34157807	-33862	Intergenic	NM_212898	ntmt1	9.835909149	8.354078939	1.48183021	8.51E-05
peak_30056	chr8	954885	955166	-21264	Intergenic	NM_001003778	mrps27	5.752693915	4.270989088	1.481704827	0.002055
peak_42161	chr7	72043998	72044393	-109930	Intergenic	NM_001080067	elp5	4.886861648	3.405228543	1.481633105	0.025191
peak_27274	chr13	2311938	2312252	-91497	Intergenic	NM_199718	fbxo9	6.526632891	5.0450222	1.481610691	0.000854
peak_32622	chr18	2988370	2988644	402930	Intergenic	NM_001045470	fam168a	5.930517725	4.449227667	1.481290058	0.004
peak_31877	chr21	43990454	43990781	43946	intron (NM_001012389, intron 3 of 10)	NM_200743	skp1	5.63080423	4.149614456	1.481189774	0.003333
peak_30844	chr15	41783142	41783468	-27900	intron (NM_001045128, intron 8 of 13)	NM_001082897	kcne4	6.098467082	4.617394823	1.48107226	0.002524
peak_22819	chr18	46932849	46933807	-46027	Intergenic	NM_001017558_1	ets1	8.363845573	6.882857331	1.480988242	0.000155
peak_38146	chr7	13286986	13287395	97192	Intergenic	NM_001037578	fam154b	6.466612992	4.98571603	1.480896961	0.013125
peak_29044	chr23	23799406	23799942	19674	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	7.262310179	5.781650731	1.480659447	0.001532
peak_21793	chr16	33174726	33175498	-1822	Intergenic	NM_131796	ptk2ab	9.015318871	7.534888367	1.480430503	9.87E-05
peak_41126	chr16	40209911	40210348	-295998	Intergenic	NM_001037432	zgc:123285	5.83877329	4.358438685	1.480334605	0.02176
peak_40750	chr10	32197741	32198172	-9901	Intergenic	NM_153654	pknox2	3.846840202	2.366557159	1.480283043	0.020386
peak_19861	chr21	12056205	12057279	2015	intron (NM_001080586, intron 1 of 13)	NM_001080586	fam129ba	8.921362982	7.441358879	1.480004104	3.79E-05
peak_31057	chr20	5208520	5209009	34803	exon (NM_001002628, exon 4 of 7)	NM_001037418_1	zgc:123299	7.980397889	6.500417673	1.479980215	0.002656
peak_32745	chr1	56853116	56853654	31945	exon (NM_001037236, exon 29 of 41)	NM_001037236	c3c	7.041734772	5.561836896	1.479897876	0.004127
peak_40284	chr8	55867951	55868182	4303	Intergenic	NM_001130594	tlr9	3.989636937	2.509982122	1.479654815	0.018902
peak_26245	chr9	45463040	45463426	-34064	Intergenic	NM_001002538	ppp1r1c	6.753125405	5.273513969	1.479611436	0.000599
peak_33678	chr7	23956459	23956886	-2554	Intergenic	NM_213317	rbm4.3	6.402933264	4.923583636	1.479349628	0.005125
peak_32048	chr9	1952091	1952603	4109	Intergenic	NM_131126	hoxd9a	6.572277407	5.092932875	1.479344532	0.003471
peak_43742	chr3	44091345	44091917	-118944	Intergenic	NR_030104		3.340116769	1.861154163	1.478962606	0.031932
peak_42609	chr14	34612339	34612742	-23786	Intergenic	NM_201032	xpnpep2	6.054059343	4.575407415	1.478651928	0.026886
peak_36413	chr15	13406343	13406786	148463	Intergenic	NM_201179	sars2	4.993783045	3.515202286	1.478580759	0.009363
peak_28421	chr17	12483671	12484306	-37859	Intergenic	NM_001003633	zgc:100927	7.108548385	5.630070719	1.478477666	0.001257
peak_29852	chr6	59270848	59271182	89595	Intergenic	NM_001033751	fam210b	5.66813624	4.189870138	1.478266102	0.00194
peak_44020	chr2	19895129	19895727	177870	Intergenic	NM_131614_1	pbx1a	4.152152513	2.674257522	1.477894992	0.033026
peak_30953	chr24	10409539	10410098	195580	Intergenic	NM_131412	myca	6.57367646	5.095822192	1.477854268	0.002591
peak_42897	chr3	45680996	45681346	7981	Intergenic	NR_030667		5.380880242	3.903037585	1.477842657	0.02813
peak_20447	chr4	6747382	6748875	-4681	Intergenic	NM_213286	lta4h	10.8638557	9.386076713	1.477778989	5.17E-05
peak_25386	chr16	19988707	19989074	161979	Intergenic	NM_001080634	zgc:158847	6.688992982	5.211261403	1.477731579	0.000446
peak_34488	chr8	44545444	44545774	119276	Intergenic	NM_001123319	kazald3	5.637028662	4.159454252	1.47757441	0.006181
peak_38918	chr18	48153862	48155735	54947	Intergenic	NM_001007334	yif1b	9.207860558	7.730326697	1.477533861	0.015036
peak_21588	chr6	47992542	47993358	-102593	Intergenic	NM_201202	phc2b	7.80941176	6.331956016	1.477455744	8.95E-05
peak_28205	chr1	9882347	9882926	-13685	Intergenic	NM_131671	atp1b1b	7.272751633	5.795456968	1.477294665	0.001176
peak_35103	chr5	212192	212538	-18383	Intergenic	NM_001076743	zgc:153924	6.123965771	4.647045333	1.476920438	0.007042
peak_30196	chr17	37019508	37019916	-34018	Intergenic	NM_001004110	myo6b	6.569938132	5.093156453	1.476781679	0.002143
peak_22259	chr3	63092232	63093359	-27042	Intergenic	NM_001025465	sox8b	8.011647875	6.535029753	1.476618122	0.000122
peak_26640	chr15	3689709	3690102	59299	Intergenic	NM_001080055	lpar6a	6.330024643	4.853831214	1.476193429	0.000684
peak_20345	chr11	242299	244724	-11159	Intergenic	NM_001040365	avil	9.99564258	8.519559207	1.476083373	4.94E-05
peak_39154	chr7	48816243	48816477	-425535	Intergenic	NM_001195407	tshz3b	4.759250818	3.28317363	1.476077188	0.015693
peak_23472	chr20	46798662	46799254	-6152	Intergenic	NM_214698	tmed10	8.334731133	6.8587278	1.476003333	0.000204
peak_34147	chr24	6446277	6446660	12609	exon (NM_131774, exon 11 of 11)	NM_131774	anxa13	6.019150059	4.543158617	1.475991442	0.005698
peak_33458	chr3	5808517	5809406	66223	Intergenic	NM_205641	txn2	7.440949209	5.965111171	1.475838038	0.004881
peak_30892	chr6	21848460	21848855	139626	Intergenic	NM_001005933	acox1	5.572725943	4.097145826	1.475580117	0.002548
peak_43398	chr1	32937382	32937805	81437	Intergenic	NM_001145576	gyg2	6.193364869	4.717793974	1.475570895	0.030403
peak_32168	chr15	25115497	25116022	99908	Intergenic	NM_001002314	hic1	6.663576447	5.188013223	1.475563224	0.003563
peak_26337	chr7	4001746	4002345	-1832	Intergenic	NM_001025481	si:dkey-88n24.9	7.292552993	5.817065512	1.475487481	0.000619
peak_39864	chr17	50570067	50570581	14011	Intergenic	NM_001003622	zgc:100951	4.742052865	3.266600992	1.475451873	0.017588
peak_35625	chr8	1739727	1740110	91419	Intergenic	NM_205739	dgcr6	5.780628893	4.305472338	1.475156556	0.007884
peak_43341	chr20	33599833	33600132	682	intron (NM_001044962_1, intron 1 of 1)	NM_001044962_1	si:dkey-65b13.8	4.142153178	2.667104707	1.475048471	0.030183
peak_32010	chr4	59629215	59629643	-30532	Intergenic	NM_001199134	ptprb	6.122388691	4.647476196	1.474912495	0.003438
peak_32348	chr15	11285561	11285900	491822	Intergenic	NM_001113649	zgc:172282	6.033337828	4.558578458	1.474759369	0.003738
peak_33503	chr10	2261887	2262229	-271975	Intergenic	NM_131092	oep	6.111899406	4.637224142	1.474675264	0.004926
peak_27869	chr7	36887214	36887766	7	promoter-TSS (NM_198067)	NM_198067	mmp2	8.241633684	6.766974616	1.474659069	0.001054
peak_35666	chr16	47593856	47594301	-9371	Intergenic	NM_001040242	upk1a	6.627250145	5.152622484	1.474627662	0.007966
peak_29125	chr24	9197519	9197819	-103021	Intergenic	NM_199567	tgif1	6.336296557	4.861702171	1.474594386	0.001572

peak_26197	chr10	20475116	20475670	51361	intron (NM_001099244, intron 2 of 12)	NM_001099244	loxl2a	7.147316608	5.673009392	1.474307216	0.000589
peak_43252	chr21	3833252	3833792	-144153	Intergenic	NM_175082	smad7	3.733765494	2.259481116	1.474284378	0.029779
peak_28314	chr11	42271022	42271349	-36888	Intergenic	NM_001083570	errfi1	5.541856033	4.067575297	1.474280736	0.001214
peak_31763	chr18	11762877	11763299	12914	intron (NM_198372, intron 1 of 3)	NM_198372	fam107b	6.681062152	5.206892358	1.474169794	0.003239
peak_27298	chr6	528943	529321	-30269	Intergenic	NM_200678	grap2b	7.328376017	5.85422564	1.474150377	0.000859
peak_20755	chr10	28936982	28937963	-51056	Intergenic	NM_001020535	ptrh2	8.514628341	7.040610126	1.474018215	5.99E-05
peak_34091	chr13	2763280	2763657	81007	Intergenic	NM_001161598	si:ch211-239i4.3	6.405025446	4.931029875	1.473995571	0.005634
peak_29915	chr1	4212582	4212985	39534	Intergenic	NM_001003842	spry2	6.989270699	5.515429489	1.47384121	0.001977
peak_27430	chr7	66329889	66331004	-93	promoter-TSS (NM_001077722)	NM_001077722	tpcn2	8.450629455	6.976818968	1.473810487	0.000902
peak_29847	chr12	20346786	20347644	51198	Intergenic	NM_212632	slc16a8	7.881157091	6.407567797	1.473589294	0.001938
peak_38243	chr18	11654983	11655563	58950	intron (NM_001177933, intron 4 of 17)	NM_001177933	fgd4a	6.461603317	4.988116298	1.47348702	0.013378
peak_32709	chr4	45927107	45927814	-490614	Intergenic	NM_001128355	LOC794656	4.849893014	3.376426597	1.473466417	0.004095
peak_19802	chr20	9653058	9654217	534	intron (NM_213412, intron 2 of 10)	NM_213412	rad51b	9.354533111	7.881182375	1.473350736	3.66E-05
peak_28994	chr23	19254456	19255380	15156	intron (NM_131807, intron 2 of 2)	NM_131807	bcl2l1	7.406825276	5.933708371	1.473116906	0.001509
peak_26191	chr4	45013407	45013849	244709	Intergenic	NM_001128300	LOC100008037	5.969366295	4.496547766	1.472818529	0.000588
peak_32681	chr13	18602702	18603074	8073	intron (NM_001076573, intron 2 of 6)	NM_001076573	zgc:154058	6.132802262	4.660766345	1.472035916	0.004061
peak_28410	chr23	26652879	26653412	110257	Intergenic	NM_001195247	si:dkey-205h13.1	7.913705928	6.441925158	1.47178077	0.001253
peak_38685	chr22	30194886	30195369	-64545	Intergenic	NM_199859	abi3bp	6.773400122	5.301652819	1.471747302	0.014391
peak_37320	chr14	37673516	37674093	-16196	Intergenic	NM_001110281	aga	7.412271575	5.940532242	1.471739332	0.01126
peak_42154	chr4	40882216	40882790	-33947	Intergenic	NM_001100956	si:dkeyp-4c4.1	4.206821638	2.735414092	1.471407546	0.025173
peak_21806	chr7	51094069	51094624	13844	Intergenic	NM_001020629	hrasb	8.100485116	6.629111015	1.4713741	9.94E-05
peak_29325	chr16	58412517	58412960	13087	Intergenic	NM_001256191	nr0b2a	7.033002106	5.56177342	1.471228686	0.001676
peak_33150	chr24	608846	609293	111808	intron (NM_001013328, intron 2 of 4)	NM_001083003	lancl2	6.250638086	4.779488707	1.471149379	0.004557
peak_32623	chr8	44918037	44918586	113646	intron (NM_200819, intron 2 of 8)	NM_200819	kcnip3a	7.122397896	5.651561752	1.470836144	0.004
peak_38651	chr14	47337499	47337878	-150223	intron (NM_001076572, intron 1 of 9)	NM_001013347	zgc:110741	5.25726398	3.786618769	1.470645212	0.014327
peak_31311	chr12	40906733	40907204	555567	Intergenic	NM_001099246	abca5	6.128076469	4.657886395	1.470190075	0.002855
peak_25849	chr22	18092651	18093048	40495	Intergenic	NM_001044907	hapln4	6.59843162	5.128312733	1.470118887	0.000522
peak_33821	chr20	9198427	9198816	102417	Intergenic	NM_001164029	mysm1	6.501317195	5.031218596	1.470098599	0.005279
peak_29276	chr17	6059962	6060339	19757	Intergenic	NM_001002462	dusp23b	5.903895528	4.43423239	1.469663139	0.001651
peak_43029	chr21	44317394	44317730	8187	intron (NM_001024377, intron 5 of 7)	NM_001024377	sar1b	4.33794409	2.868293816	1.469650274	0.028754
peak_34669	chr23	31968911	31969344	33160	Intergenic	NM_001004540	aldh8a1	6.861495016	5.392469137	1.469025879	0.006402
peak_37805	chr5	38427559	38428468	9945	Intergenic	NM_130932	ckma	7.350281392	5.881619295	1.468662098	0.012295
peak_27753	chr18	46898741	46899619	-11879	Intergenic	NM_001017558_1	ets1	7.616956974	6.148629493	1.468327482	0.001015
peak_31800	chr6	54043525	54043889	37857	Intergenic	NM_001077299	tusc2a	5.235218809	3.767057965	1.468160844	0.003262
peak_20349	chr5	54904041	54905094	-76099	Intergenic	NM_212961	cdk7	8.752861686	7.285157322	1.467704363	4.95E-05
peak_22317	chr7	30089466	30090582	28821	intron (NM_205552, intron 1 of 8)	NM_205552	ccdc102a	8.866180728	7.398604603	1.467576124	0.000126
peak_30556	chr18	30596635	30597699	84899	Intergenic	NM_001002622	irf8	7.54950461	6.082068105	1.467436505	0.002339
peak_30507	chr10	32265975	32266300	31170	Intergenic	NM_200398	tmem218	6.231987845	4.76490326	1.467084585	0.002315
peak_27846	chr9	13550790	13551219	80265	Intergenic	NM_131139	fzd7a	6.829308285	5.362501419	1.466806866	0.001046
peak_21413	chr6	51720648	51721698	1229	exon (NM_131493, exon 2 of 3)	NM_131493	blcap	9.055010353	7.588346549	1.466663804	8.19E-05
peak_22825	chr1	9810487	9811281	5843	Intergenic	NM_001082892	zgc:174945	7.562274298	6.095910728	1.46636357	0.000156
peak_30798	chr10	41330190	41330548	72919	Intergenic	NM_200744	smfn	6.53971699	5.07351697	1.466200021	0.002488
peak_32909	chr9	47714071	47714460	-80017	Intergenic	NM_001126464	igfbp2b	6.13685144	4.670703496	1.466147944	0.004293
peak_24484	chr4	20499534	20500129	19835	intron (NM_001003870, intron 1 of 25)	NM_001003870	ppp1r12a	8.213772956	6.74764107	1.466131886	0.000314
peak_31470	chr4	27330417	27331365	135407	Intergenic	NM_001105586	cerk	8.457672551	6.991700254	1.465972298	0.002972
peak_37061	chr1	55865951	55866327	32529	Intergenic	NM_001114563	zgc:172106	6.251487226	4.785628152	1.465859074	0.010684
peak_40899	chr19	48012620	48013039	47109	Intergenic	NM_001035264	eif3hb	5.783026575	4.3172609	1.465765675	0.020926
peak_28573	chr18	26672924	26673202	52920	Intergenic	NM_001126418	kti12	6.110945417	4.645535829	1.465409588	0.00132
peak_38142	chr1	13901094	13901555	-42036	Intergenic	NM_001076622	itln1	6.356623679	4.891335156	1.465288522	0.013114
peak_39525	chr20	4082273	4082593	9259	intron (NM_001113611, intron 4 of 4)	NM_001113611	arv1	5.813148504	4.348620794	1.46452771	0.016692
peak_39355	chr20	29870944	29871269	19192	intron (NM_001002727, intron 4 of 7)	NM_001002727	rnf144ab	4.604810167	3.140307637	1.464502531	0.016202
peak_32297	chr22	34559617	34560089	-244018	Intergenic	NM_001037661_1	slc6a6b	6.5909114	5.126625397	1.464286003	0.003689
peak_31130	chr5	46429758	46431750	5797	Intergenic	NM_212584	ctsla	9.003385863	7.53924935	1.464136513	0.002708
peak_33743	chr5	31432414	31432739	-12	promoter-TSS (NM_198065)	NM_198065	thy1	6.0933053	4.629257957	1.464047343	0.005198
peak_29774	chr7	1947238	1947584	-175005	Intergenic	NM_200561_1		5.753101623	4.289066476	1.464035148	0.001903
peak_35008	chr13	53953655	53954336	-11124	intron (NM_199954_1, intron 4 of 4)	NM_200520	zgc:66337	6.411998348	4.948053723	1.463944625	0.006885
peak_34561	chr22	1022666	1023203	-6626	Intergenic	NM_199966	camk1ga	6.507130036	5.043246812	1.463883224	0.006276
peak_23126	chr16	45603145	45603797	-64316	Intergenic	NM_001005959	polr3glb	8.230447121	6.766664592	1.463782529	0.000179
peak_44015	chr23	471146	471679	38164	Intergenic	NM_212572	hm13	4.854460154	3.39087146	1.463588694	0.033019
peak_25731	chr18	27744408	27744941	63394	intron (NM_001002439, intron 2 of 8)	NM_001002439	tspan18b	6.753521104	5.290119754	1.46340135	0.000502
peak_28592	chr14	17641541	17642034	-70701	Intergenic	NM_001159841	LOC100149406	6.428998606	4.965733348	1.463265258	0.001328
peak_33324	chr17	32778249	32778619	1092	intron (NM_001076587, intron 1 of 3)	NM_001076587	eva1a	6.240462523	4.777464733	1.46299779	0.004725
peak_20978	chr23	8856959	8857911	-17482	Intergenic	NM_200986	tcea2	10.08494192	8.622167601	1.462774319	6.63E-05
peak_36736	chr15	31086967	31087193	-71275	Intergenic	NM_001110394	brca2	5.59113946	4.128458191	1.462681268	0.009976
peak_41018	chr2	11472967	11473301	-18926	Intergenic	NM_001020566	zgc:110130	5.403452806	3.941137794	1.462315012	0.021367
peak_24220	chr14	17694209	17694774	-17997	Intergenic	NM_001159841	LOC100149406	7.687281057	6.225286129	1.461994929	0.000283
peak_41687	chr12	25031095	25031376	184661	Intergenic	NM_131784	bambia	5.453598309	3.991658226	1.461940083	0.023592
peak_39163	chr16	57903958	57904952	-4410	TTS (NM_001080204)	NM_201289	pklr	6.517288498	5.05540602	1.461882478	0.015715
peak_31081	chr8	54620938	54621331	27858	intron (NM_001020700, intron 10 of 13)	NM_001020700	dbnlb	6.228180301	4.766336079	1.461844221	0.002669
peak_22487	chr9	7512019	7513041	68283	Intergenic	NM_130963	desma	9.254463092	7.792652421	1.461810672	0.000134
peak_23284	chr12	6988385	6988856	-145701	Intergenic	NM_001194988	rltgr	7.025755296	5.563968047	1.46178725	0.000189
peak_43379	chr5	34488032	34488372	11858	exon (NM_001100004, exon 19 of 24)	NM_001100004	lrsam1	5.249193638	3.787495855	1.461697784	0.030342
peak_25621	chr24	43866539	43869671	-5221	intron (NM_201327, intron 7 of 8)	NM_001035265	ahrra	9.443304706	7.981645588	1.461659118	0.000484
peak_40343	chr16	3280285	3280601	-26130	Intergenic	NM_001109728	LOC797125	6.169379377	4.707931108	1.461448269	0.019053
peak_20687	chr8	39166553	39167409	135379	Intergenic	NM_001039526	prlhr2a	9.273884452	7.81249841	1.461386042	5.83E-05
peak_34702	chr12	1776318	1777025	106243	Intergenic	NM_001045248_1	usp22	5.184590475	3.723327991	1.461262485	0.006437
peak_39972	chr11	28086689	28087025	14423	Intergenic	NM_001002171_1	hdac11	6.733157692	5.272006455	1.461151237	0.017951
peak_38457	chr7	43103911	43104239	-509564	Intergenic	NM_131063	shha	5.783026575	4.321889239	1.461137337	0.013897
peak_31263	chr22	33558727	33559193	104081	Intergenic	NM_001040377	zgc:136895	6.610658273	5.149698326	1.460959947	0.002816
peak_26389	chr22	41358947	41359402	9723	intron (NM_001020665, intron 1 of 3)	NM_001020665	ptk7a	6.562513714	5.101572055	1.460941659	0.00063
peak_30407	chr13	41734228	41734661	99873	Intergenic	NM_001281800	dkk1a	6.975853607	5.515738835	1.460114771	0.002256
peak_21867	chr17	51262192	51263293	30747	intron (NM_001256215, intron 2 of 15)	NM_001256215	fermt2	8.917581023	7.457668581	1.459912442	0.000102
peak_34537	chr18	20944476	20945224	13535	Intergenic	NM_001144042	si:dkey-12e7.4	7.047045262	5.58721628	1.459828982	0.00624
peak_41584	chr16	53201944	53202376	150718	Intergenic	NM_200970	rab5ab	6.369460123	4.909704329	1.459755794	0.023265
peak_30926	chr7	76376620	76377673	-78343	Intergenic	NM_001110109	cbln8	7.68385734	6.224249589	1.459607751	0.00257
peak_35796	chr21	3324659	3325149	-124963	Intergenic	NM_213302	hnrnpabb	6.377166596	4.917826572	1.459340025	0.008199
peak_25801	chr2	25184266	25185140	-275098	Intergenic	NM_001002303	nceh1a	8.939340831	7.480162358	1.459178473	0.000514
peak_24663	chr21	30967318	30967841	84964	Intergenic	NM_001013294	clk4b	7.819093766	6.36003368	1.459060086	0.000339
peak_29692	chr19	30863324	30864061	-37657	Intergenic	NM_214707	zdhhc18b	7.859719797	6.400713229	1.459006568	0.001858
peak_41826	chr8	9352939	9353628	-52477	Intergenic	NM_001075110	otud5a	7.249159914	5.790190207	1.458969707	0.024018
peak_33015	chr5	23861291	23861838	4593	intron (NM_199642, intron 3 of 4)	NM_199642	zc4h2	7.312387138	5.853508549	1.458878589	0.004416
peak_37852	chr9	46546690	46547019	124362	Intergenic	NM_001099232	zgc:165571	5.853722147	4.395252646	1.458469501	0.012416
peak_30405	chr17	25322980	25323649	37200	Intergenic	NM_201486	clic4	7.103920826	5.645487186	1.45843364	0.002255
peak_34960	chr15	30414422	30414785	-49386	Intergenic	NM_001001817_1	zgc:92326	6.340116769	4.881959802	1.458156968	0.006799
peak_27322	chr15	43896269	43897008	372	intron (NR_023326, intron 1 of 3)	NR_023326		6.821919996	5.363794124	1.458125872	0.000868
peak_26019	chr16	888349	888884	67966	Intergenic	NM_207185	irx1a	6.910672654	5.452596338	1.458076316	0.000553
peak_33466	chr20	41930945	41931272	27117	Intergenic	NM_001201561	LOC555548	6.174258716	4.716299055	1.457959661	0.004884
peak_24618	chr18	7390361	7391120	287964	Intergenic	NM_001044963	rabl2	7.746769167	6.288984616	1.45778455	0.000331
peak_40624	chr4	1308495	1308876	-28417	Intergenic	NM_001003981	ptn	5.495710279	4.037958098	1.457752181	0.020001
peak_24224	chr23	44611983	44612553	-1749	Intergenic	NM_001020740	actl6b	7.910860708	6.453196213	1.457664495	0.000283
peak_26908	chr18	23183870	23184711	209709	Intergenic	NM_131301	mef2aa	8.015066402	6.557432872	1.457633529	0.000756
peak_41810	chr10	35020310	35020730	9954	Intergenic	NM_001199367	zar1l	4.770571942	3.313292559	1.457279383	0.023981
peak_43647	chr17	27877464	27877807	283429	Intergenic	NM_001242995	kdm1a	3.73706692	2.280081286	1.456985634	0.03143
peak_31773	chr14	8697329	8698160	87415	Intergenic	NM_001020752	trmt112	6.892064848	5.435152491	1.456912357	0.003248
peak_37021	chr12	38134525	38134903	45230	Intergenic	NM_001003874_1	chmp6b	6.407602421	4.950843299	1.456759121	0.01061

peak_33238	chr11	23481389	23482747	25578	Intergenic	NM_001128241	si:ch211-86h15.1	4.885374666	3.428764182	1.456610483	0.004637
peak_29947	chr11	22069003	22069435	-17942	Intergenic	NM_201303	mapkapk2a	6.486638885	5.030203863	1.456435021	0.001993
peak_40197	chr16	58185385	58185695	3719	intron (NM_200431, intron 2 of 8)	NM_200431	fbxo43	4.539021661	3.082745583	1.456276078	0.018596
peak_35174	chr15	44896320	44897095	48652	Intergenic	NM_001033749	sagb	6.580584442	5.124634818	1.455949624	0.007151
peak_40716	chr19	13070282	13070524	41694	Intergenic	NM_199923	seh1l	3.967238845	2.511337176	1.45590167	0.020283
peak_29182	chr8	31517408	31517736	-2015	Intergenic	NM_001039815	adora2aa	6.314866759	4.859126549	1.45574021	0.0016
peak_22990	chr13	50160553	50160949	-12922	Intergenic	NM_001030104	tsnax	7.670074338	6.214341648	1.45573269	0.000169
peak_43188	chr9	393856	395674	3281	exon (NM_001034185, exon 2 of 10)	NM_001034185	crfb5	7.682466667	6.2267417	1.455724966	0.029465
peak_21783	chr10	20631515	20633726	-14415	Intergenic	NM_001002211	ppapdc1b	8.629808766	7.174148289	1.455660477	9.81E-05
peak_39904	chr25	24179434	24180223	69591	Intergenic	NM_001020596	phlda2	6.882571566	5.427032112	1.455539454	0.017713
peak_36755	chr14	21579652	21579960	313207	Intergenic	NM_001080068	ids	5.366532072	3.911146123	1.455385949	0.010025
peak_43424	chr1	1877534	1878083	19481	intron (NM_001099998, intron 1 of 7)	NM_001161671	mbnl2	6.085537276	4.630255569	1.455281707	0.030526
peak_25926	chr13	33858718	33859230	4551	intron (NM_001145555, intron 2 of 28)	NM_001145555	rrbp1a	8.087159853	6.632064519	1.455095335	0.000537
peak_40707	chr10	15109009	15109293	-27398	Intergenic	NM_001145244	scpp8	5.717119702	4.262041777	1.455077925	0.020253
peak_20995	chr25	722851	723788	68845	intron (NM_001098393, intron 2 of 7)	NM_001098393	zgc:162740	9.245192799	7.790198513	1.454994286	6.67E-05
peak_38769	chr14	51532774	51533130	-24400	Intergenic	NM_001002038	anxa6	3.683215657	2.228412711	1.454802946	0.014659
peak_40844	chr24	39933949	39934276	-42633	Intergenic	NM_001003498_1	zgc:91999	4.988252249	3.53365774	1.454594509	0.020698
peak_38948	chr10	25116983	25117554	-4612	Intergenic	NM_001025458	tpte	6.376652936	4.922337583	1.454315353	0.015132
peak_37234	chr7	60098025	60098974	-26698	Intergenic	NM_201122	rpl34	6.697516087	5.243355465	1.454160622	0.01108
peak_33406	chr14	34285708	34285996	-13579	intron (NM_212626, intron 6 of 10)	NM_213365	rab41	5.846075989	4.392032918	1.454043071	0.004828
peak_22187	chr19	39871886	39872402	96328	Intergenic	NM_001044795	smap2	8.091457226	6.638047919	1.453409307	0.000118
peak_29620	chr11	46098906	46099584	-5928	3' UTR (NM_001020618, exon 10 of 12)	NM_212941	mafgb	6.871514073	5.418125346	1.453388727	0.001811
peak_20373	chr16	53204343	53205528	153493	Intergenic	NM_200970	rab5ab	8.57735476	7.124168702	1.453186057	5.03E-05
peak_24921	chr14	18466262	18466708	-11154	Intergenic	NM_175576	plp1a	7.325484381	5.872377442	1.453106938	0.000376
peak_25649	chr1	42338633	42339128	107087	Intergenic	NM_201502	smox	7.278144245	5.825071558	1.453072687	0.000487
peak_41888	chr10	29265098	29265418	-202608	Intergenic	NM_001007351	btg3	5.800140369	4.347553616	1.452586753	0.024294
peak_37429	chr2	13699286	13699734	-40972	Intergenic	NM_201064	zgc:66475	5.497171351	4.044815612	1.452355739	0.011503
peak_43669	chr8	40907337	40907661	-409007	Intergenic	NM_001083829_1	pcsk5b	4.274473311	2.822486827	1.451986484	0.031552
peak_36028	chr6	55628606	55629217	-22936	Intergenic	NM_001003519	pltp	5.893925528	4.442258805	1.451666724	0.008575
peak_33308	chr6	59017942	59018259	-76131	Intergenic	NM_001123374	shmt2	5.983702276	4.532036234	1.451666042	0.004709
peak_22357	chr6	50446892	50447457	44069	Intergenic	NM_001126109	mych	9.443395762	7.991732388	1.451663374	0.000128
peak_27114	chr4	26664445	26664845	-66898	Intergenic	NM_001122744	fam19a5	7.10936332	5.657780992	1.451582327	0.000809
peak_23956	chr15	33159563	33161482	2337	intron (NM_203421, intron 2 of 20)	NM_203421	postnb	8.471084463	7.019523854	1.451560609	0.000252
peak_21943	chr15	15293553	15294209	48780	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	7.997750266	6.54635795	1.451392316	0.000107
peak_39321	chr11	46653123	46653414	12888	Intergenic	NM_001030267	srsf7b	5.032666307	3.581362356	1.451303951	0.016115
peak_28589	chr12	9475690	9476044	-101073	Intergenic	NM_200161	reep3b	6.603653896	5.152418822	1.451235073	0.001326
peak_24310	chr13	40054987	40055929	-4151	Intergenic	NM_001202417	marveld1	8.806794932	7.355922305	1.450872627	0.000294
peak_25433	chr4	29226987	29227647	252279	Intergenic	NM_001123254	LOC560232	7.759125653	6.308267091	1.450858561	0.000453
peak_24119	chr20	43203925	43205593	59531	Intergenic	NM_001039620	dusp23a	9.754103841	8.303351958	1.450751883	0.000271
peak_38879	chr14	21008862	21009646	-148597	Intergenic	NM_152963	fmr1	6.813137098	5.362544571	1.450592527	0.014942
peak_23397	chr1	21817472	21818365	192078	Intergenic	NM_212731	gtf2e2	8.379032319	6.928694669	1.45033765	0.000198
peak_25962	chr10	7900445	7900955	-96868	Intergenic	NM_001113504	il6st	6.79854969	5.348479363	1.450070327	0.000542
peak_41105	chr16	29126602	29126956	-20050	Intergenic	NM_001002108	ino80c	6.081322328	4.631269128	1.4500532	0.021721
peak_25583	chr13	46637501	46638092	90081	Intergenic	NM_001004108	bsdc1	7.649809955	6.199786254	1.4500237	0.000478
peak_30985	chr9	50808923	50809278	-93516	Intergenic	NM_200132	scn1a	5.978112276	4.528296297	1.449815979	0.002609
peak_23392	chr3	26510893	26511369	18114	intron (NM_001172397, intron 1 of 10)	NM_001172397	xylt1	7.739979482	6.290252631	1.449726851	0.000197
peak_31968	chr5	70020882	70021141	90334	Intergenic	NM_001126403	rps6ka4	5.211610793	3.761905844	1.449704949	0.003401
peak_39328	chr14	1300939	1301608	22961	Intergenic	NM_001128574	il21	4.644959288	3.195476653	1.449482635	0.016127
peak_43067	chr1	648929	649655	707	intron (NM_001100157, intron 2 of 4)	NM_001100157	cd247	6.442979648	4.993500306	1.449479342	0.02888
peak_39551	chr11	39388794	39389057	-47999	Intergenic	NR_034195		5.531408268	4.082609065	1.448799203	0.016769
peak_37056	chr3	44380355	44381629	-89265	Intergenic	NM_001002533_1	rab11fip4a	4.690897074	3.242174221	1.448722854	0.010675
peak_43373	chr5	45470239	45470511	-18596	Intergenic	NM_001013558	zgc:112966	4.568099124	3.119633703	1.448465421	0.03031
peak_23289	chr20	49306162	49307204	26383	Intergenic	NM_213427	mgst3	8.430405054	6.981997645	1.448407409	0.00019
peak_34645	chr11	17503471	17503772	544241	Intergenic	NM_001110030	kbtbd8	5.642346267	4.193969404	1.448376863	0.006373
peak_27497	chr6	28757106	28757530	-36066	Intergenic	NM_201338	gfi1ab	6.893555742	5.44530474	1.448251001	0.000926
peak_23967	chr7	12521630	12522256	-320030	Intergenic	NM_001080704	mesdc2	8.944626238	7.496489328	1.448136909	0.000254
peak_41260	chr14	18626866	18627244	18589	intron (NM_001018106, intron 20 of 21)	NM_001018106	ogt.1	3.804890439	2.356813497	1.448076942	0.022209
peak_27709	chr23	40446283	40446847	15072	intron (NM_001005936, intron 1 of 6)	NM_001005936	gpsm2l	7.633249055	6.185260374	1.447988681	0.000994
peak_22597	chr9	42430607	42431255	43676	Intergenic	NM_001123273	LOC564685	7.359705755	5.91172086	1.447984895	0.000141
peak_37072	chr23	207173	207396	68661	Intergenic	NM_001077296	zgc:153351	6.050063769	4.602135824	1.447927945	0.010713
peak_43732	chr2	13884365	13884753	144077	Intergenic	NM_201064	zgc:66475	3.859012881	2.411145258	1.447867622	0.031881
peak_43380	chr5	41171268	41171722	2240	exon (NM_001115124, exon 2 of 6)	NM_001115124	si:ch211-57h10.1	5.882023341	4.434920785	1.447102557	0.030342
peak_27092	chr18	10552097	10552640	-108922	Intergenic	NM_001045135	si:ch211-59c24.1	7.505814108	6.059348428	1.44646568	0.000802
peak_27441	chr10	25115677	25116698	-5693	Intergenic	NM_001025458	tpte	7.802615837	6.356292618	1.446323218	0.000906
peak_42588	chr22	14293070	14293460	32059	Intergenic	NM_199708	bzw1a	4.990288431	3.544011451	1.44627698	0.026813
peak_32398	chr6	47679073	47679462	-107835	Intergenic	NM_200112	padi2	5.911951239	4.465910179	1.44604106	0.003786
peak_35909	chr7	40450938	40451375	-107406	Intergenic	NM_131070	mdka	6.612456964	5.166470513	1.445986451	0.008373
peak_42171	chr12	532010	532277	37900	Intergenic	NM_001202506	LOC791840	5.299285064	3.853473144	1.44581192	0.025241
peak_41901	chr11	33750726	33751097	-215410	Intergenic	NM_001160822	pcdh17	6.303482801	4.858061628	1.445421173	0.024326
peak_28720	chr24	26696783	26697169	-106544	Intergenic	NM_001113595_1	ccl20	5.929435882	4.48405585	1.445380032	0.001377
peak_29704	chr10	28467029	28467404	243581	Intergenic	NM_001020542	ints2	6.763506657	5.318171616	1.445335041	0.001861
peak_35359	chr25	23737194	23737652	38412	intron (NM_200880, intron 3 of 6)	NM_200880	dusp8a	6.714400497	5.269085325	1.445315172	0.007428
peak_26452	chr11	44185344	44187081	-81677	Intergenic	NM_212914	foxg1b	8.986631846	7.54136495	1.445266896	0.000641
peak_41579	chr9	1967441	1967780	1279	intron (NM_131167, intron 1 of 1)	NM_131167	hoxd11a	4.85521994	3.410042172	1.445177768	0.023246
peak_40904	chr7	75661372	75661734	-61083	Intergenic	NM_001077468	mrpl21	5.966535835	4.521420795	1.44511504	0.020942
peak_20331	chr20	40751918	40752897	-223	promoter-TSS (NM_131038)	NM_131038	cx43	9.472100981	8.027106903	1.444994078	4.92E-05
peak_29992	chr13	33119228	33119675	3198	intron (NM_174863, intron 1 of 30)	NM_174863	rock2a	7.118270963	5.673536513	1.444734451	0.002021
peak_20598	chr25	6856940	6857838	53197	Intergenic	NM_001122855	snx33	8.614599819	7.16987059	1.444729229	5.59E-05
peak_33054	chr15	25074091	25074752	58570	Intergenic	NM_001002314	hic1	6.043726067	4.59916472	1.444561347	0.004454
peak_39438	chr18	44251029	44251400	40999	intron (NM_001195613, intron 16 of 27)	NM_001195613	abcc5	5.98406993	4.539719702	1.444350227	0.016404
peak_30779	chr25	15511387	15511730	59547	Intergenic	NM_131046	wt1a	6.869823207	5.425495839	1.444327368	0.002472
peak_27484	chr5	8046673	8047359	60373	Intergenic	NM_001017576	lmbrd2a	8.070307524	6.626036926	1.444270599	0.000921
peak_24724	chr3	12789030	12789618	7301	intron (NM_001030236, intron 6 of 19)	NM_001030236	coro7	7.215479522	5.77168793	1.443791592	0.000348
peak_25916	chr3	6056884	6057426	15981	exon (NM_001110385, exon 5 of 6)	NM_001110385	trim35-31	6.71166392	5.268267575	1.443396345	0.000535
peak_27577	chr17	9397426	9398337	396940	Intergenic	NM_213310	egln3	9.140144255	7.696897417	1.443246838	0.00095
peak_32631	chr11	10698136	10698851	93241	Intergenic	NM_198876	b3gnt5a	6.838389091	5.395300478	1.443088613	0.00401
peak_20696	chr8	8663364	8664745	-68185	Intergenic	NM_001122628_1		9.825647339	8.382754875	1.442892464	5.85E-05
peak_43780	chr5	63521926	63522324	29539	intron (NM_001040314, intron 1 of 4)	NM_001040314	cldn15b	6.381671484	4.939261882	1.442409603	0.03213
peak_30646	chr12	31549260	31549573	70237	Intergenic	NM_001128687	trub1	5.919641425	4.477238547	1.442402878	0.002393
peak_43791	chr16	26032093	26032379	4602	intron (NM_200765, intron 2 of 3)	NM_200765	rps27.2	4.006150351	2.563901289	1.442249062	0.032156
peak_31395	chr6	1058982	1059699	-102245	Intergenic	NM_001110010_1	plxna1b	7.509438577	6.067263233	1.442175344	0.002912
peak_29488	chr7	14904174	14905364	35478	intron (NM_001045106, intron 2 of 15)	NM_001045106	furina	8.252505297	6.810422037	1.442083259	0.001749
peak_28120	chr8	18030139	18030823	5365	intron (NM_130935, intron 1 of 6)	NM_130935	skia	8.481162699	7.039314118	1.44184858	0.001148
peak_31169	chr19	18999481	18999779	21370	intron (NM_001044955, intron 1 of 4)	NM_001044955	jazf1a	5.499117148	4.057349538	1.44176761	0.002735
peak_29819	chr25	1608140	1608517	-42314	Intergenic	NM_001077455	ppm1h	6.751878154	5.310356628	1.441521526	0.001924
peak_35496	chr16	12160958	12161525	-4028	Intergenic	NM_001195242	g6fl	4.314866759	2.873705413	1.441161347	0.007657
peak_34234	chr19	39696024	39696412	272254	Intergenic	NM_001044795	smap2	5.668568554	4.227423275	1.441145279	0.005819
peak_33393	chr16	50615317	50615756	21785	intron (NM_001256029, intron 8 of 13)	NM_001256029	hm:zeh0351	6.690709086	5.249670429	1.441038656	0.00481
peak_31251	chr24	1254205	1254520	76623	intron (NM_181497, intron 3 of 16)	NM_181497	nrp1a	6.240753282	4.799913648	1.440839635	0.002808
peak_29295	chr7	46819146	46819597	239015	Intergenic	NM_001103194	uqcrfs1	6.844343865	5.403819518	1.440524347	0.001661
peak_33413	chr14	53116955	53118016	1510	intron (NM_199952, intron 1 of 6)	NM_199952	ube2d2l	6.864350335	5.423849203	1.440501132	0.004834
peak_31375	chr2	51867830	51868121	-37787	Intergenic	NM_001083878	LOC100003983	5.640558768	4.200175722	1.440383045	0.002898
peak_30493	chr12	36292909	36293380	-16415	Intergenic	NM_001105598	timm23	6.776222767	5.336053267	1.4401695	0.002308
peak_24274	chr19	2089467	2090106	-5357	intron (NM_198819, intron 27 of 28)	NM_001144806	LOC792465	8.726514151	7.286629362	1.439884789	0.00029
peak_38125	chr9	4283551	4283975	-331901	Intergenic	NM_001020664	rprma	6.74327272	5.303797681	1.439475039	0.013054

peak_39296	chr20	9753891	9754680	6996	Intergenic	NM_199649	zfp36l1b	7.261012358	5.821674898	1.43933746	0.016054
peak_21323	chr17	29272219	29273133	35598	Intergenic	NM_001003513	traf3	8.969546853	7.530227568	1.439319285	7.82E-05
peak_39898	chr19	838884	839160	6955	TTS (NM_131679)	NM_131679	eomesa	5.635702642	4.196813544	1.438889098	0.017701
peak_23312	chr8	7444633	7445668	1880	exon (NM_001039838, exon 3 of 4)	NM_001039838	neflb	7.97481544	6.53598644	1.438829001	0.000191
peak_31192	chr15	46287441	46287837	-37690	Intergenic	NM_001039832_1	lsamp	6.396131678	4.957320123	1.438811555	0.002753
peak_35253	chr8	33950512	33950842	-3339	intron (NM_001100146, intron 2 of 20)	NM_001123325	si:dkey-191c17.2	5.347726979	3.909014457	1.438712522	0.007271
peak_24311	chr15	34466398	34466760	42087	intron (NM_199835, intron 6 of 12)	NM_199835	agfg1a	6.864528014	5.425828171	1.438699843	0.000294
peak_31184	chr10	1956141	1956635	33695	Intergenic	NM_131092	oep	5.10167217	3.663049669	1.438622501	0.002743
peak_32551	chr15	27729810	27730297	12332	intron (NM_200251, intron 4 of 4)	NM_200251	slc43a2a	7.102001624	5.663473456	1.438528168	0.003938
peak_29694	chr18	40421986	40422502	202414	Intergenic	NM_001166335	pgr	6.5290295	5.090545774	1.438483726	0.001859
peak_23028	chr25	871636	872452	-166	promoter-TSS (NM_199725_1)	NM_199725_1	twf1a	8.593987162	7.156067586	1.437919576	0.000171
peak_27465	chr3	40629662	40630062	58633	Intergenic	NM_001076560	fscn1a	6.423615206	4.985804127	1.437811079	0.000914
peak_23535	chr16	8737410	8738544	-75205	Intergenic	NM_199515	prdm1a	8.960369836	7.522703741	1.437666095	0.000209
peak_32620	chr25	32658550	32658872	17834	exon (NM_173276, exon 8 of 35)	NM_173276	lamb4	6.106485105	4.66941042	1.437074685	0.003999
peak_24764	chr8	27844473	27845244	-30176	Intergenic	NM_200085	slc16a1	8.143818294	6.707495029	1.436323265	0.000354
peak_23374	chr3	49769177	49769767	2774	intron (NM_201307, intron 1 of 14)	NM_201307	ndel1b	9.157239908	7.721197925	1.436041982	0.000196
peak_31264	chr19	8233582	8234077	13357	Intergenic	NM_001003989	s100s	7.207600279	5.771846014	1.435754266	0.002816
peak_31903	chr21	37462469	37462746	116957	Intergenic	NM_200164	slc25a14	5.614266508	4.178726746	1.435539763	0.00335
peak_42751	chr3	61794518	61795069	-175	promoter-TSS (NM_212783)	NM_212783	pvalb4	6.161072038	4.725749206	1.435322832	0.027478
peak_36144	chr20	43837489	43837806	-19451	exon (NM_001076575, exon 15 of 18)	NM_214685	laptm4a	5.50838037	4.073108465	1.435271906	0.008827
peak_42657	chr10	778665	779095	-101438	Intergenic	NM_001080607	glis3	3.587486179	2.152383063	1.435103117	0.027103
peak_25041	chr18	34535821	34536200	-60344	Intergenic	NM_001015066	b3gat1a	7.068583979	5.633481878	1.4351021	0.000393
peak_42460	chr15	497806	498249	6877	TTS (NM_001077316)	NM_001077316	nudt8	5.09910867	3.664151533	1.434957137	0.026271
peak_31750	chr15	3530437	3530983	-64319	Intergenic	NM_001080055_1		7.336976647	5.902255399	1.434721248	0.003227
peak_34638	chr6	55677765	55678032	-14464	Intergenic	NM_001089458	cyp24a1	5.913797102	4.479517655	1.434279447	0.006366
peak_30846	chr9	49963364	49963641	-51238	Intergenic	NM_001113604	nostrin	5.239298899	3.80516141	1.434137489	0.002525
peak_42458	chr11	31910202	31910609	190724	Intergenic	NM_001014332	man2b1	5.473091007	4.039027258	1.434063748	0.026254
peak_30519	chr16	27675581	27676015	-36383	Intergenic	NM_001045249	zgc:136493	6.871326297	5.437603746	1.43372255	0.00232
peak_27698	chr6	55737566	55738186	45514	Intergenic	NM_001089458	cyp24a1	9.502194911	8.069129687	1.433065223	0.00099
peak_28577	chr6	554342	554745	-4858	Intergenic	NM_200678	grap2b	6.440718274	5.007719664	1.43299861	0.001322
peak_35520	chr20	22757774	22758395	-28083	Intergenic	NM_001013564	scfd2	7.128547913	5.695573636	1.432974277	0.007707
peak_32862	chr19	1874017	1874522	7268	intron (NM_198819, intron 1 of 28)	NM_198819	ptk2aa	8.468341272	7.035401086	1.432940186	0.00424
peak_31371	chr15	8809731	8810427	-92945	Intergenic	NM_213155	ap2s1	7.687920935	6.25498633	1.432934605	0.002896
peak_28980	chr9	48030993	48031428	-140097	Intergenic	NM_001126463	igfbp5a	7.009416254	5.576592092	1.432824162	0.001501
peak_43629	chr19	29675913	29676374	101069	Intergenic	NM_001080628	zgc:158604	4.22346309	2.790832751	1.432630339	0.031365
peak_26626	chr2	31076222	31077111	15667	3' UTR (NM_001013270, exon 12 of 12)	NM_001099994	clul1	7.634700873	6.202183549	1.432517324	0.000682
peak_25669	chr11	8074006	8074504	197996	Intergenic	NM_001080595	ttll7	7.346901136	5.914388546	1.43251259	0.00049
peak_28664	chr10	19478764	19479449	-76974	Intergenic	NM_001017805	vsig8a	7.104870153	5.672709593	1.432160559	0.001353
peak_23606	chr5	1916633	1917125	29709	Intergenic	NR_039163		7.406695712	5.974654843	1.432040868	0.000216
peak_35110	chr2	6380999	6381351	-127914	Intergenic	NM_001077307	rgs18	5.622348939	4.190686682	1.431662256	0.007055
peak_43592	chr25	11564893	11565379	-171680	Intergenic	NM_001265607	mespbb	6.697503729	5.265887886	1.431615843	0.031176
peak_25512	chr17	34575614	34576092	164378	Intergenic	NM_199569	eif2s1a	8.197877524	6.76640928	1.431468244	0.000465
peak_37168	chr14	25094843	25095338	-12720	Intergenic	NM_001030269	msxa	6.422831693	4.991486775	1.431344918	0.010951
peak_39528	chr13	1581406	1581945	-142268	Intergenic	NM_001110400_1	hmgcll1	6.777414081	5.346176842	1.431237239	0.016701
peak_43114	chr22	11445142	11445390	103384	Intergenic	NM_200832	mid1ip1b	5.33794409	3.906840496	1.431103594	0.02906
peak_35434	chr10	2620917	2621312	12197	Intergenic	NM_001008630	nxnl2	5.918187865	4.487136527	1.431051338	0.007548
peak_27729	chr8	51702445	51702893	8162	intron (NM_001122708, intron 4 of 7)	NM_001122708	nfu1	6.862262132	5.431303378	1.430958754	0.001003
peak_33719	chr13	3542798	3543337	48072	Intergenic	NM_201129	ncoa4	7.669318492	6.238579652	1.430738841	0.005174
peak_22318	chr1	8727932	8729088	270	intron (NM_001177493, intron 1 of 2)	NM_001080692	ugt5b4	8.922994542	7.492284247	1.430710295	0.000126
peak_30394	chr15	9105813	9106153	31490	Intergenic	NM_001017784	rhoub	6.314882871	4.884666864	1.430216007	0.002244
peak_32719	chr16	52104507	52104909	57080	Intergenic	NM_001110524	brd2b	6.45810659	5.028228634	1.429877956	0.00411
peak_24648	chr7	12990335	12991370	-106259	Intergenic	NM_001080993	mex3b	8.571631788	7.14223862	1.429393168	0.000337
peak_26738	chr8	6594318	6595644	-551608	Intergenic	NM_001130781	vsig8b	7.851136931	6.421768399	1.429368532	0.000712
peak_28626	chr14	31878805	31879195	-26643	intron (NM_001112675, intron 5 of 7)	NM_001007055	rap2c	6.883316695	5.454089038	1.429227657	0.001343
peak_40795	chr25	5732830	5733401	105620	Intergenic	NM_001007420	zgc:101549	6.51560739	5.08647208	1.42913531	0.020566
peak_22348	chr9	48636019	48636893	245462	Intergenic	NM_001003480	zgc:92380	8.570540175	7.141428867	1.429111309	0.000127
peak_32361	chr5	16328164	16328641	-40258	Intergenic	NM_001128246	sc:d411	6.918711919	5.489654148	1.429057771	0.003749
peak_30812	chr2	57458234	57459375	-76257	Intergenic	NM_001030070	gpx4b	7.218721794	5.789714896	1.429006899	0.0025
peak_20889	chr18	8000024	8000941	44028	intron (NM_001128535, intron 10 of 21)	NM_001128535	si:ch211-220f12.	9.599310556	8.170801968	1.428508588	6.36E-05
peak_21406	chr15	20851997	20852500	-12746	Intergenic	NM_001089487	zgc:162608	8.188084402	6.759626127	1.428458275	8.16E-05
peak_35921	chr5	56503084	56504168	29639	Intergenic	NM_001130074	ptar1	7.505195024	6.076855812	1.428339212	0.008391
peak_38493	chr24	9248810	9249217	-154365	Intergenic	NM_199567	tgif1	6.174885228	4.746592375	1.428292853	0.013975
peak_31005	chr2	43459357	43459926	-110718	Intergenic	NM_205674	nrp1b	8.151820787	6.723822142	1.427998645	0.00262
peak_25381	chr7	34614000	34614662	-31054	Intergenic	NM_001172627	itga11a	7.809013942	6.381072931	1.427941011	0.000446
peak_40351	chr16	1146202	1146637	325769	Intergenic	NM_207185	irx1a	4.998645279	3.570861683	1.427783595	0.019078
peak_40508	chr2	17571869	17572265	27714	intron (NM_001083576, intron 1 of 32)	NM_001083576	ptprfb	5.785420279	4.357716047	1.427704232	0.019629
peak_31936	chr7	54044926	54045495	-31652	Intergenic	NM_214816	tcf12	5.942028049	4.514418764	1.427609286	0.003375
peak_28601	chr3	5743323	5745094	55126	Intergenic	NM_001002476	polr3h	8.441339819	7.014061106	1.427278713	0.001332
peak_32425	chr1	55632557	55632904	-1912	Intergenic	NM_001145561	aftpha	5.910489906	4.48325869	1.427231217	0.003812
peak_34942	chr1	15176050	15176579	-28660	Intergenic	NM_199990	vps37a	7.362246861	5.935018352	1.427228508	0.006784
peak_37468	chr14	36286666	36286890	177218	Intergenic	NM_001007108	il12ba	5.468103815	4.041095277	1.427008538	0.011603
peak_29503	chr9	3730150	3730874	-62155	Intergenic	NM_180973	sp5a	8.183389708	6.756599051	1.426790657	0.001761
peak_34046	chr10	3678990	3679441	151457	Intergenic	NM_001037412	zgc:123275	5.876772819	4.450105077	1.426667742	0.005582
peak_34487	chr8	4831056	4831574	-11937	intron (NM_200459, intron 8 of 8)	NM_199988	sept5a	7.316409048	5.889937284	1.426471764	0.006177
peak_33331	chr16	91902	93312	-30991	Intergenic	NM_200627_1	cdkal1	7.820347488	6.393893309	1.426454179	0.004734
peak_32278	chr20	35286266	35286631	6404	intron (NM_200108_1, intron 1 of 11)	NM_200108_1	znf395	6.341217703	4.914809725	1.426407978	0.003671
peak_30929	chr6	20839237	20839806	-190628	Intergenic	NM_205740	barhl2	7.402146017	5.975935278	1.426210739	0.002572
peak_42803	chr4	4439190	4439503	-31446	Intergenic	NM_001130792	zgc:194209	4.108061062	2.681918027	1.426143035	0.027691
peak_32108	chr13	42786516	42786964	9191	intron (NM_001004568, intron 1 of 2)	NM_001004568	cdc42ep3	6.691973116	5.265974159	1.425998957	0.00351
peak_27428	chr23	13860320	13860880	91794	Intergenic	NM_213334	naa10	7.849702403	6.424156732	1.42554567	0.000901
peak_24188	chr1	1063269	1064233	375	intron (NM_131603_1, intron 1 of 4)	NM_131603_1	runx1	8.802109014	7.377007879	1.425101135	0.000279
peak_30370	chr18	6098863	6099165	18315	Intergenic	NM_201082	calub	5.754347818	4.329488087	1.424859731	0.002234
peak_26036	chr4	49751508	49752893	36773	Intergenic	NR_030521		8.240329846	6.815923414	1.424406432	0.000556
peak_34230	chr5	50366679	50367156	80396	Intergenic	NM_001123267	mblac2	6.990135674	5.565757265	1.424378409	0.005815
peak_34019	chr8	49799011	49799303	6688	intron (NM_001144802, intron 2 of 9)	NM_001144802	si:ch211-251b21.	5.063971374	3.640439415	1.423531959	0.005544
peak_23309	chr16	35969411	35970000	-5488	Intergenic	NM_199998	utp11l	8.184985894	6.761791509	1.423194385	0.000191
peak_33345	chr20	44173461	44173699	21400	intron (NM_212897_1, intron 2 of 6)	NM_212897_1	clic5b	5.503029169	4.079888064	1.423141105	0.004759
peak_25409	chr12	45061960	45062561	-285572	Intergenic	NM_001110011_1	dock1	6.986489174	5.563376122	1.423113052	0.00045
peak_25031	chr7	37860132	37860697	65652	Intergenic	NM_200105	aktip	8.189214733	6.766184133	1.4230306	0.000392
peak_37790	chr21	16708647	16708917	177794	Intergenic	NM_213099	wdr5	5.651560519	4.228738336	1.422822183	0.012262
peak_20840	chr19	47543286	47544757	4823	intron (NM_001177934, intron 1 of 7)	NM_001177934	trps1	8.890441538	7.467661909	1.422779629	6.23E-05
peak_33029	chr1	8108713	8109308	28195	intron (NM_201029, intron 4 of 16)	NM_201029	prkcba	7.172439789	5.749872129	1.42256766	0.00443
peak_41833	chr18	5508687	5508938	-56996	Intergenic	NM_001110450	wash	5.042745355	3.620219872	1.422525483	0.024066
peak_34625	chr20	3941776	3942100	9736	Intergenic	NM_001130794	zgc:194224	5.982291589	4.559830902	1.422460687	0.006344
peak_23283	chr23	37096171	37096761	87603	Intergenic	NM_001020621	cpsf3l	8.347786591	6.925363653	1.422422938	0.000189
peak_42358	chr23	44395753	44396049	3620	intron (NM_001080623, intron 1 of 8)	NM_001080623	zgc:158659	5.326451567	3.904191439	1.422260128	0.025868
peak_44025	chr22	5150950	5151297	-123260	Intergenic	NM_001118891	s1pr4	5.521841655	4.099614573	1.422227083	0.033045
peak_35159	chr18	4786126	4786853	-54514	Intergenic	NM_001007761	fgf7	6.15770641	4.735812181	1.421894228	0.007124
peak_31491	chr17	51092044	51092442	-1974	Intergenic	NM_131342	bmp4	6.567171977	5.145320279	1.421851699	0.002984
peak_34649	chr20	21095385	21095619	-90560	Intergenic	NM_001024815	btbd6b	5.545626554	4.12392071	1.421705845	0.006378
peak_43926	chr19	920258	920830	-74567	Intergenic	NM_131679	eomesa	4.042706443	2.621016982	1.42168946	0.032642
peak_34436	chr15	39084069	39084427	-107044	Intergenic	NM_001077577	fat3a	6.187024224	4.765348893	1.421675331	0.006103
peak_36606	chr5	47362703	47363076	36089	intron (NM_001034984, intron 24 of 25)	NM_001002568_1	gc	6.309626096	4.88841927	1.421206827	0.009747
peak_25695	chr1	31490461	31490982	75175	Intergenic	NM_001089482	pnpla4	7.509686923	6.088485452	1.421201471	0.000494
peak_28713	chr18	45367303	45367951	-195318	Intergenic	NM_001282486	dner	7.384832123	5.963808367	1.421023755	0.001374

peak_42122	chr22	13039501	13039880	-9476	Intergenic	NM_001045086	nab1a	5.395087117	3.974137843	1.420949275	0.025077
peak_33937	chr2	4711195	4711547	45354	Intergenic	NM_001009917	tfr1a	6.393257314	4.972749192	1.420508122	0.005453
peak_36177	chr9	45195257	45195854	160018	intron (NM_001089474, intron 5 of 12)	NM_001089474	cerkl	6.590441864	5.170352905	1.420088959	0.008888
peak_20214	chr25	23722149	23723233	53144	intron (NM_200880, intron 3 of 6)	NM_200880	dusp8a	9.946007538	8.525922385	1.420085153	4.62E-05
peak_43561	chr20	53624458	53625010	-22665	Intergenic	NM_131236	gata4	3.975648359	2.555969186	1.419679173	0.031047
peak_38117	chr19	8583112	8583825	22811	Intergenic	NM_001100099	si:dkey-266f7.5	4.666813271	3.247390182	1.419423089	0.01303
peak_25713	chr7	870293	870968	31572	intron (NM_200561_1, intron 5 of 5)	NM_001114746	zgc:175177	7.548344246	6.128980525	1.419363721	0.000498
peak_29154	chr5	58040148	58040706	-117389	Intergenic	NM_001102384	tbx2a	7.321220813	5.902247755	1.418973058	0.001586
peak_28465	chr24	6021596	6022094	2987	intron (NM_200738, intron 1 of 9)	NM_200738	abi1a	8.116366147	6.697991048	1.418375099	0.001274
peak_25914	chr5	74803989	74804536	30556	Intergenic	NM_001003993	ak1	7.356079164	5.93783498	1.418244183	0.000535
peak_32749	chr12	3785158	3785539	-60147	Intergenic	NM_201478	col1a1b	6.706831254	5.288869306	1.417961948	0.00413
peak_31590	chr2	31507000	31507456	-15229	Intergenic	NM_001045351	rnf182	6.926706634	5.5087452	1.417961434	0.003077
peak_26750	chr17	47177595	47178416	792807	Intergenic	NM_001006009	zgc:103755	8.771889069	7.354004195	1.417884874	0.000715
peak_31481	chr17	17672658	17673391	38119	intron (NM_001020619, intron 9 of 11)	NM_001020619	sptlc2a	8.253162394	6.835303083	1.417859311	0.002979
peak_30160	chr13	35222310	35222766	-143082	Intergenic	NM_001003562	sptlc3	7.367346757	5.949600482	1.417746274	0.002117
peak_23302	chr15	42233049	42233819	52920	intron (NM_212939, intron 17 of 19)	NM_212939	zgc:85932	7.968839846	6.551147537	1.41769231	0.000191
peak_38712	chr4	32080727	32081073	214605	intron (NM_001114900_1, intron 3 of 10)	NM_001114900_1	zgc:174708	4.091390725	2.674072455	1.41731827	0.014489
peak_28576	chr6	47435681	47436268	27058	Intergenic	NR_030036		7.848563769	6.431278068	1.4172857	0.001322
peak_32662	chr24	20260406	20260654	6974	intron (NM_199619, intron 2 of 5)	NM_199619	csrnp1b	5.605235529	4.188042448	1.417193082	0.004035
peak_32508	chr4	44011273	44014596	1245403	Intergenic	NM_001128300	LOC100008037	5.208046443	3.790854941	1.417191502	0.0039
peak_35505	chr18	19217016	19217327	17340	intron (NM_213419, intron 1 of 10)	NM_213419	map2k1	6.041076889	4.624175296	1.416901593	0.00768
peak_25247	chr23	33526248	33526723	22541	Intergenic	NR_029935		7.653970451	6.23712516	1.416845291	0.000424
peak_40309	chr16	53325786	53326256	-201130	Intergenic	NM_001003494	ube2e2	6.302909729	4.886080863	1.416828865	0.018964
peak_40535	chr12	17142956	17143386	-15386	Intergenic	NM_001012487	znf281b	4.47207183	3.055272359	1.416799471	0.019748
peak_37843	chr24	38166181	38166450	11524	Intergenic	NM_001002675	ccr10	5.809993993	4.393223678	1.416770315	0.012398
peak_21268	chr7	54492427	54492978	83842	Intergenic	NM_001006085	cdkn2aip	9.279068779	7.862397454	1.416671325	7.60E-05
peak_24142	chr9	6715629	6716382	-13320	Intergenic	NM_131150	pou3f3a	7.525798009	6.109311217	1.416486792	0.000274
peak_43260	chr6	11594260	11594692	-77254	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	5.792227241	4.375994157	1.416233085	0.029794
peak_26918	chr5	65861206	65862386	-37	promoter-TSS (NM_001039813)	NM_001039813	adora2b	8.886823331	7.471211989	1.415611342	0.000759
peak_37996	chr2	7421872	7422430	73689	Intergenic	NM_199772	dcun1d1	6.659219743	5.24376839	1.415451353	0.012744
peak_34213	chr14	18079897	18080534	-134847	Intergenic	NM_001166332	nlgn3a	6.834326336	5.419043864	1.415282472	0.005795
peak_23407	chr20	15415245	15415834	-143069	Intergenic	NM_199987	jun	7.877608983	6.462371579	1.415237404	0.000199
peak_31561	chr23	16309208	16309500	-189682	Intergenic	NM_200736	mrgbp	5.5648515	4.149709543	1.415141957	0.003049
peak_30630	chr6	56755466	56755888	636300	Intergenic	NM_001008576_1	tfap2c	6.22964593	4.814565914	1.415080016	0.002385
peak_33105	chr5	46691830	46692053	65397	Intergenic	NM_130952	dmrt2a	5.945956457	4.531002027	1.41495443	0.004513
peak_37951	chr21	19403636	19404105	-139045	Intergenic	NM_213226	zgc:85869	6.933218789	5.518426424	1.414792365	0.012623
peak_29322	chr21	12129051	12129340	65449	Intergenic	NM_001025182	stxbp1a	5.943457799	4.528673006	1.414784793	0.001676
peak_36790	chr11	32965437	32965665	378348	Intergenic	NM_001003624	diaph3	6.259437256	4.244861974	1.414575283	0.010099
peak_31325	chr23	68996	69979	40536	Intergenic	NM_130985	twist3	6.765730906	5.351347439	1.414383467	0.002863
peak_32899	chr3	55780409	55781059	41237	intron (NM_001002228, intron 1 of 17)	NM_131411	aanat2	7.29522323	5.880996605	1.414226625	0.004283
peak_34672	chr5	73278278	73278710	-118728	Intergenic	NM_001003629	rgs3a	7.216071136	5.802034779	1.414036358	0.006404
peak_36255	chr13	14133092	14133397	215293	intron (NM_001123058, intron 1 of 9)	NM_001123058	gfra4a	5.983007244	4.569256475	1.413750769	0.009028
peak_31241	chr18	10279189	10279771	-98217	Intergenic	NM_001020699	ttc38	7.502394741	6.088876163	1.413518578	0.002801
peak_40464	chr12	49912843	49913423	-6690	Intergenic	NM_001002570	zgc:92749	4.520884289	3.107414451	1.413469839	0.019475
peak_36186	chr18	31521752	31522258	44244	Intergenic	NM_001082899	v2rx1	5.917075506	4.503717869	1.413357638	0.008898
peak_31692	chr3	43654258	43654754	20750	Intergenic	NM_001002044	mafk	6.424624391	5.011627565	1.412996825	0.003166
peak_32114	chr17	17561249	17561658	24978	intron (NM_001123049, intron 2 of 9)	NM_001123049	adck1	5.884980976	4.472045696	1.41293528	0.003514
peak_34282	chr3	24002704	24003190	4006	intron (NM_131117, intron 1 of 4)	NM_131101	hoxb5a	6.350693407	4.937788064	1.412905343	0.005878
peak_24097	chr10	22817769	22818176	-111718	Intergenic	NM_001111177	zgc:172339	7.225235995	5.812500061	1.412735934	0.000268
peak_39817	chr18	1665514	1665941	31970	Intergenic	NM_001030257	rab27a	4.335768134	2.923124528	1.412643606	0.017457
peak_27647	chr2	21430473	21431238	204	5' UTR (NM_001080042, exon 1 of 4)	NM_001080042	zgc:158346	8.242291516	6.829749499	1.412542016	0.000975
peak_31425	chr12	18786475	18787305	-6843	Intergenic	NM_131516	pvalb2	8.643537005	7.231451105	1.4120859	0.002929
peak_21056	chr13	5526798	5527676	86849	Intergenic	NM_213234	spred2b	9.369336855	7.957301169	1.412035686	6.88E-05
peak_34827	chr25	11222782	11223078	44702	Intergenic	NM_001089325	anpepb	6.065941806	4.654110817	1.411830989	0.006593
peak_33807	chr22	24917323	24918310	37344	intron (NM_001003617, intron 2 of 9)	NM_001003617	nek7	8.565769984	7.15396762	1.411802364	0.005264
peak_44004	chr13	53177170	53177523	-123151	Intergenic	NM_200969	sncb	6.055382317	4.643666652	1.411715665	0.032959
peak_27268	chr1	7777454	7779452	8173	3' UTR (NM_199602, exon 4 of 4)	NM_199602	zgc:77849	8.733829188	7.322202975	1.411626213	0.000854
peak_42972	chr1	6956365	6957708	-36838	Intergenic	NR_120315		3.84071513	2.429207363	1.411507767	0.028511
peak_30535	chr15	33162760	33163099	-62	promoter-TSS (NM_001077786)	NM_001077786	postnb	6.184608109	4.773107833	1.411500277	0.002328
peak_37382	chr14	43812687	43813137	392495	Intergenic	NM_001030213	afap1l1a	5.383019995	3.971662163	1.411357832	0.011404
peak_30011	chr1	36524289	36524684	-44224	intron (NM_001045250, intron 1 of 22)	NM_001130767	prmt9	6.795595625	5.384246592	1.411349033	0.00203
peak_22673	chr13	1281740	1282299	-887	promoter-TSS (NM_201000)	NM_201000	bag2	8.949889758	7.538558378	1.41133138	0.000146
peak_26504	chr11	21489262	21489746	5589	intron (NM_001281799, intron 2 of 4)	NM_001281799	tacr1b	8.017364262	6.606113495	1.411250767	0.000654
peak_42088	chr21	39975610	39976221	-49972	Intergenic	NM_131276	msxd	6.565315894	5.154264589	1.411051306	0.024961
peak_32306	chr20	18465258	18465636	-11193	TTS (NM_001045125)	NM_001001836	vipas39	6.129333309	4.718370935	1.410962374	0.003697
peak_33340	chr10	70462	71006	-3677	intron (NM_001102623, intron 2 of 7)	NM_131836	sim2	5.479511316	4.068889268	1.410622048	0.00475
peak_25184	chr9	53019958	53020814	-106735	Intergenic	NM_001076600	tank	9.203793607	7.793545669	1.410247938	0.000414
peak_26357	chr19	3183207	3184223	-53251	Intergenic	NM_001261449	il6	9.027022642	7.616818173	1.410204469	0.000622
peak_32339	chr16	19258117	19258593	946	intron (NM_001115114, intron 2 of 11)	NM_001115114	gapdh	6.787634243	5.377434737	1.410199505	0.003727
peak_40008	chr18	29862568	29863431	12207	Intergenic	NM_001076777	mhc2dbb	5.712514964	4.302358574	1.41015639	0.018044
peak_31011	chr12	27199736	27200503	-60460	Intergenic	NM_001128734	six2b	7.37371626	5.963784973	1.409931287	0.002623
peak_25519	chr22	32785930	32786343	49185	intron (NM_199663, intron 3 of 17)	NM_199663	add3a	6.801126465	5.391347655	1.40977881	0.000466
peak_31108	chr20	49857962	49858517	-348734	Intergenic	NM_001077270	ints9	7.12411419	5.71437715	1.40973704	0.002692
peak_23687	chr25	886059	887893	672	intron (NM_200163, intron 1 of 9)	NM_200163	irak4	9.630001393	8.220628888	1.409372506	0.000224
peak_41947	chr9	12277315	12277644	32939	intron (NM_001122701, intron 1 of 3)	NM_001122701	znf804a	5.638353464	4.229079569	1.409273895	0.024507
peak_33088	chr4	36228613	36229178	-665034	Intergenic	NM_001135989_1	zgc:174690	5.210423655	3.801320274	1.409103381	0.004484
peak_43613	chr11	29490027	29490366	1252	intron (NM_001006070, intron 1 of 5)	NM_001006070	dhrs3b	5.985805604	4.576788963	1.409016641	0.03128
peak_24108	chr10	9689107	9689788	48543	Intergenic	NM_001044910	si:ch211-243g18.	7.954688516	6.545691059	1.408997457	0.000269
peak_28519	chr16	25524635	25525363	2880	intron (NM_200783, intron 1 of 4)	NM_200783	efna1b	7.491799712	6.082880954	1.408918757	0.001298
peak_32477	chr3	18308622	18309330	-3965	Intergenic	NM_001114910	aqp8b	6.143123056	4.734350677	1.408772379	0.00387
peak_27765	chr13	39468501	39469047	97834	Intergenic	NM_001077317	zgc:153049	6.439943997	5.031824256	1.408119741	0.001019
peak_42156	chr11	9401147	9401407	636637	Intergenic	NM_001142265	nlgn1	5.211017346	3.803025596	1.40799175	0.025176
peak_41777	chr2	58868173	58868467	18111	Intergenic	NM_001004628	pnp5b	5.444004846	4.036140294	1.407864552	0.023878
peak_21551	chr23	19054637	19055917	-78994	Intergenic	NM_001007446	nsfl1c	9.896811228	8.489004486	1.407806743	8.77E-05
peak_29712	chr22	32597761	32598326	-1604	Intergenic	NM_214689	smc3	6.380088565	4.97243057	1.407657995	0.001864
peak_41456	chr14	17979844	17980165	36227	intron (NM_199714, intron 7 of 7)	NM_199714	rraga	4.404980039	2.997375538	1.407604501	0.022795
peak_27113	chr5	30598642	30599184	-12807	Intergenic	NM_001089376	stxbp1b	6.543964418	5.13638068	1.407583738	0.000809
peak_25075	chr11	39007742	39008366	38202	Intergenic	NM_001034175	etnk2	7.135297514	5.728030125	1.407267389	0.000399
peak_31161	chr25	28001276	28001703	211592	intron (NM_001287539, intron 6 of 9)	NM_001287539	LOC569768	5.68278771	4.275627684	1.407160026	0.00273
peak_34997	chr17	50268352	50268832	117141	Intergenic	NM_001030234	zgc:113372	6.774605483	5.367447637	1.407157846	0.006865
peak_30074	chr4	9899908	9900669	-9189	Intergenic	NM_001045067	si:dkey-207j16.2	7.27970151	5.872561274	1.407140236	0.002064
peak_33901	chr11	30998732	30999138	-38906	Intergenic	NM_001130771	cdkl5	6.821931333	5.414825267	1.407106066	0.005406
peak_21906	chr22	17339495	17340378	-2686	Intergenic	NM_001137658	frem1b	8.91635027	7.509282317	1.407067953	0.000104
peak_26114	chr9	5274368	5275047	74750	Intergenic	NM_001113590	tnfsf13b	8.420780164	7.01374085	1.407039314	0.000572
peak_33711	chr2	53128886	53129230	-44741	intron (NM_001007773, intron 1 of 6)	NM_130911	chico	6.733996154	5.327070259	1.406925895	0.005161
peak_29752	chr1	37150505	37150928	83223	intron (NM_001145789, intron 17 of 17)	NM_001145240	scpp1	7.345693026	5.938989777	1.40670325	0.00189
peak_25686	chr16	55384956	55385551	11842	exon (NM_001163294, exon 2 of 59)	NM_001163294	col27a1a	8.368133809	6.961649859	1.40648395	0.000493
peak_40721	chr6	42241063	42241705	-19859	intron (NM_201341, intron 31 of 44)	NM_205661	tex264a	5.124614504	3.718301927	1.406312577	0.020299
peak_27094	chr19	37321082	37321486	-26769	Intergenic	NM_131814	angpt2b	7.249754736	5.843900015	1.405854721	0.000802
peak_35312	chr8	21204018	21204386	162774	Intergenic	NM_001045850	csnk1g2b	6.088143836	4.6824502	1.405693636	0.007343
peak_26557	chr5	5654303	5654743	-442884	Intergenic	NM_001076606	mvb12ba	6.963202128	5.557924915	1.405277213	0.000665
peak_38974	chr6	31235852	31236257	175813	Intergenic	NM_131073	jak1	5.051390411	3.646123336	1.405267074	0.015205
peak_31274	chr8	16480732	16481177	29919	intron (NM_001017754, intron 2 of 4)	NM_001017754	agbl4	6.645191777	5.240017745	1.405174031	0.002824
peak_21428	chr7	72475063	72475616	86183	Intergenic	NM_200899	myoz2a	8.691397526	7.286501583	1.404895943	8.25E-05
peak_27521	chr9	644184	644815	-52992	Intergenic	NM_212594_1	ybey	6.322610975	4.917764842	1.404846133	0.000932

peak_36597	chr20	1206102	1206455	8941	intron (NM_214767, intron 5 of 7)	NM_214767	ube2j1	5.910145671	4.505516101	1.40462957	0.00973
peak_24159	chr11	39000435	39001808	45135	Intergenic	NM_001034175	etnk2	9.592505397	8.187920841	1.404584555	0.000276
peak_35423	chr8	34942165	34942589	-35945	Intergenic	NM_131616	pbx3b	6.203859474	4.799488582	1.404370892	0.007534
peak_38432	chr11	46087248	46087829	-4411	intron (NM_001077304, intron 3 of 11)	NM_001020618	pycr1b	4.604810167	3.201446718	1.403363449	0.013851
peak_31589	chr20	15455893	15456597	-102363	Intergenic	NM_199987	jun	6.805665312	5.402522621	1.403142691	0.003077
peak_38629	chr25	38425449	38425863	16788	Intergenic	NM_200560	pdhx	4.594783512	3.191797235	1.402986277	0.014281
peak_36136	chr5	20649294	20649767	31701	intron (NM_201009, intron 8 of 18)	NM_201009	aacs	5.755976092	4.3529964	1.402979691	0.008811
peak_25982	chr16	51947403	51948607	-2194	Intergenic	NM_131612	pbx2	7.884619745	6.48243771	1.402182034	0.000547
peak_28970	chr9	11231214	11231538	-28721	Intergenic	NM_214787	asic4a	5.894664817	4.492483143	1.402181674	0.001498
peak_28407	chr8	41984496	41985225	33704	Intergenic	NM_001123298	ggt5a	8.162792194	6.760654506	1.402137688	0.001252
peak_32254	chr10	35853493	35854391	-53578	Intergenic	NM_001077549	dclk1a	7.484300705	6.082268939	1.402031766	0.003647
peak_35894	chr17	1591506	1591874	-84795	Intergenic	NM_001002412_1	zfyve19	5.910124342	4.508128804	1.401995538	0.008351
peak_32835	chr19	40210953	40211450	240245	Intergenic	NM_212579	col9a2	6.671591134	5.270037477	1.401553658	0.004207
peak_31023	chr18	33183808	33184206	242261	Intergenic	NM_001045019	tiparp	6.864150614	5.462850907	1.401299707	0.002633
peak_28667	chr16	23054357	23054983	35736	intron (NM_200628, intron 11 of 13)	NM_200628	skap2	7.346090586	5.94485179	1.401238796	0.001356
peak_32636	chr23	28291366	28291758	-21297	Intergenic	NM_194371	sp5l	6.026926057	4.625709281	1.401216775	0.004014
peak_32079	chr24	1244066	1244601	86652	intron (NM_181497, intron 4 of 16)	NM_181497	nrp1a	6.672872019	5.27170935	1.401162668	0.003494
peak_22298	chr21	12063466	12064563	268	intron (NM_001025182, intron 1 of 18)	NM_001025182	stxbp1a	9.058524338	7.657782563	1.400741775	0.000125
peak_25924	chr11	34989138	34989555	36859	Intergenic	NM_214705	fam43a	6.745335402	5.344638663	1.400696739	0.000537
peak_38225	chr3	3952917	3953362	-6273	intron (NM_001113629, intron 18 of 33)	NM_001114556	zgc:171446	5.707450247	4.306938157	1.40051209	0.013332
peak_28352	chr18	46929286	46930007	-42345	Intergenic	NM_001017558_1	ets1	8.222796615	6.822514976	1.400281639	0.00123
peak_43812	chr14	19449594	19450730	149350	Intergenic	NM_001020594	neurl1b	5.59980555	4.199639922	1.400165628	0.032223
peak_34962	chr4	11104136	11104513	545	intron (NM_001044967, intron 1 of 6)	NM_001044967	si:dkey-222f8.3	5.766942689	4.366963135	1.399979554	0.006804
peak_31131	chr14	16469286	16469661	1007389	Intergenic	NM_001044746	cnga5	6.225538409	4.825739661	1.399798748	0.002708
peak_33198	chr22	39693001	39693402	-36717	Intergenic	NM_001272080	acy1	5.907562792	4.507880631	1.399682162	0.004599
peak_37656	chr1	41619311	41619772	49345	intron (NM_214724, intron 3 of 17)	NM_214724	rgs12b	6.481234991	5.081875584	1.399359407	0.011954
peak_39572	chr18	31785219	31785995	35452	Intergenic	NM_001126451	v2rh7	7.583567659	6.184279552	1.399288107	0.016811
peak_43899	chr20	37336339	37336603	11129	intron (NM_213140, intron 1 of 7)	NM_213140	vta1	5.548917696	4.149734564	1.399183131	0.032559
peak_30490	chr3	36851869	36852095	-2501	Intergenic	NM_001009983	ezh1	5.825242463	4.426111185	1.399131278	0.002307
peak_43180	chr14	36268986	36269641	159753	Intergenic	NM_001007108	il12ba	6.514150846	5.115094245	1.399056602	0.029433
peak_42501	chr12	27005077	27005304	44817	intron (NM_001007313, intron 5 of 5)	NM_001007313	ppm1bb	4.264145665	2.865286928	1.398858737	0.02644
peak_34000	chr2	36723458	36723986	40657	intron (NM_001002397, intron 2 of 3)	NM_001002397	gng7	7.521602373	6.122756225	1.398846149	0.00552
peak_32715	chr23	16418	17136	93246	Intergenic	NM_130985	twist3	7.378511615	5.980268737	1.398242877	0.004109
peak_33657	chr12	44734209	44734477	42345	intron (NM_001110011_1, intron 7 of 20)	NM_001110011_1	dock1	6.017434265	4.619300313	1.398133952	0.005102
peak_29216	chr25	247103	250141	4593	intron (NM_001013455, intron 4 of 4)	NM_001013455	zgc:114188	9.208116453	7.810038424	1.398078029	0.001616
peak_22427	chr3	12309975	12310522	13562	intron (NM_001076757, intron 2 of 7)	NM_001076757	pdgfab	8.478456602	7.08050018	1.397956422	0.000131
peak_21286	chr19	45359452	45360565	330	intron (NM_213455, intron 1 of 11)	NM_213455	zgc:55573	10.30687943	8.909335822	1.397543607	7.69E-05
peak_40555	chr12	16046312	16046646	18343	intron (NM_001003453, intron 2 of 7)	NM_001003453	adprh	5.928714202	4.531227048	1.397487154	0.019815
peak_30821	chr21	13053293	13053681	-19116	Intergenic	NM_001008603	pus1	6.850083601	5.45275879	1.397324811	0.002508
peak_31002	chr7	3882173	3882593	39893	Intergenic	NM_001031670	si:ch211-282j17.:	6.593404788	5.196099985	1.397304803	0.002618
peak_23464	chr23	34483773	34484432	125130	intron (NM_001005584, intron 7 of 7)	NM_001005584	chchd6a	8.113740017	6.716539401	1.397200616	0.000203
peak_43439	chr4	60855224	60855606	60571	Intergenic	NM_001102638	ms4a17a.4	5.810777555	4.413634573	1.397142982	0.030573
peak_26124	chr3	11151527	11152221	140919	Intergenic	NM_001077531	srl	7.660620317	6.263640872	1.396979445	0.000574
peak_32552	chr20	43917806	43918140	31479	intron (NM_001076575, intron 3 of 17)	NM_001076575	zgc:153725	5.702367688	4.305447766	1.396919923	0.003938
peak_41517	chr18	227651	228299	3343	intron (NM_001102593, intron 10 of 14)	NM_001102593	hdc	5.979895773	4.582977054	1.396918719	0.022984
peak_26239	chr13	20838571	20839105	-159382	Intergenic	NM_001144786	si:ch1073-126c3.	7.152598126	5.755788693	1.396809433	0.000597
peak_30750	chr5	55659317	55659709	134153	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	6.478757587	5.081951729	1.396805858	0.002456
peak_25956	chr14	29010798	29011201	40822	Intergenic	NM_200569	tsc22d3	7.03921009	5.642470782	1.396739307	0.000541
peak_25654	chr17	45723217	45724490	-82999	Intergenic	NM_001045345	vcpkmt	8.367127591	6.970559163	1.396568428	0.000488
peak_32499	chr10	28816590	28816803	-17715	Intergenic	NM_001281468	med13a	4.940954807	3.544523614	1.396431192	0.003893
peak_26614	chr19	20176207	20177220	85607	Intergenic	NM_001139462	snx10a	8.865903509	7.469564951	1.396338558	0.000679
peak_43510	chr8	31514142	31514448	-5292	Intergenic	NM_001039815	adora2aa	5.13528839	3.738983965	1.396304425	0.030819
peak_23348	chr12	35487952	35488394	16733	3' UTR (NM_182874, exon 5 of 5)	NM_212730	sfxn2	7.933308737	6.537181238	1.396127499	0.000194
peak_40305	chr1	22456277	22456631	-102545	Intergenic	NM_131735	slit2	4.668543337	3.272425082	1.396118255	0.01895
peak_24456	chr20	11372039	11372774	-84077	Intergenic	NM_001100043	flrt2	7.784833857	6.388780862	1.396052995	0.000311
peak_26910	chr9	47603331	47603749	12991	Intergenic	NM_131069	cx43.4	7.411231104	6.015328797	1.395902307	0.000758
peak_36701	chr18	14415191	14415642	7516	intron (NM_001044926, intron 1 of 13)	NM_001044926	mtss1l	5.88500268	4.489118136	1.395884544	0.00991
peak_42531	chr17	46089874	46090141	114338	Intergenic	NR_029933		5.444509808	4.04863786	1.395871949	0.026575
peak_38403	chr3	48758776	48759246	248297	Intergenic	NM_001079978	zgc:158309	6.580354708	5.184484468	1.39587024	0.013791
peak_22828	chr4	24151750	24152321	-392	promoter-TSS (NM_131211)	NM_131211	gata3	8.847556285	7.45180554	1.395750745	0.000156
peak_36199	chr5	51455265	51455728	-72077	Intergenic	NM_131180	nr2f1a	6.615612369	5.219872077	1.395740292	0.008919
peak_30345	chr17	24007106	24007487	115106	Intergenic	NM_205752	b3gnt2b	6.116361525	4.720621422	1.395740103	0.002223
peak_23055	chr12	47841960	47844070	27464	Intergenic	NM_001252350	plaub	9.973271186	8.57807148	1.395199706	0.000173
peak_29346	chr5	12420939	12421314	-66426	Intergenic	NM_001195784	fep15	6.68407117	5.289143686	1.394927484	0.001683
peak_39943	chr24	25694372	25695038	17148	Intergenic	NM_001100152	amer2	7.666819583	6.27204421	1.394775373	0.017869
peak_31427	chr17	1936799	1937262	-161020	Intergenic	NM_001163923	ccbe1	7.250043629	5.855475676	1.394567953	0.002929
peak_28364	chr7	13806547	13807062	-11098	Intergenic	NM_001100436	rplp2l	6.088466969	4.69434524	1.394121729	0.001234
peak_27769	chr20	49840579	49841133	-366117	Intergenic	NM_001077270	ints9	7.261863773	5.867983803	1.39387997	0.00102
peak_31918	chr17	19435266	19435649	20995	Intergenic	NM_001037575	reep3a	6.102331002	4.708469832	1.393861171	0.003362
peak_42826	chr19	126523	126929	-51410	Intergenic	NM_001002213	tatdn1	4.689193624	3.295756137	1.393437487	0.027803
peak_24830	chr14	1775512	1776036	11448	Intergenic	NM_001024185	pcdh2g13	8.123645894	6.730243294	1.3934026	0.000363
peak_32164	chr24	11551966	11552395	41527	intron (NM_205728, intron 1 of 14)	NM_205728	gli3	6.584955812	5.191593204	1.393362608	0.003558
peak_33307	chr20	2900603	2900844	-82580	Intergenic	NM_001161601	amd1	4.789821631	3.396637216	1.393184415	0.004707
peak_32974	chr23	40901808	40902493	-91891	Intergenic	NM_199854	rnf146	8.990750933	7.597590623	1.39316031	0.004375
peak_25589	chr7	68840757	68841357	272254	Intergenic	NM_200672	swap70a	9.325179932	7.932152482	1.39302745	0.000478
peak_28455	chr8	23127989	23128383	-5714	Intergenic	NM_001114456	LOC797209	6.15891976	4.76590974	1.39301002	0.00127
peak_25368	chr23	15966250	15967043	115619	Intergenic	NM_001002371	eef1a2	8.626746405	7.23394355	1.392802855	0.000443
peak_28990	chr11	22314090	22314398	-77003	intron (NM_001048235, intron 3 of 22)	NM_001002751	ikbke	6.390361923	4.997988998	1.392372925	0.001507
peak_37899	chr2	41525698	41526152	-18893	intron (NM_001020567, intron 14 of 14)	NM_001080597	d2hgdh	4.584740136	3.192903496	1.39183664	0.012518
peak_32323	chr15	35770400	35770803	173074	Intergenic	NM_001040687	nphs1	6.587028868	5.195247209	1.391781659	0.003715
peak_23439	chr15	4128339	4128837	-142446	Intergenic	NM_199855	rnf168	8.171291782	6.779510262	1.391781521	0.000201
peak_28894	chr21	10794651	10795296	-104222	Intergenic	NM_001002562	celf4	7.552917675	6.161402159	1.391515516	0.001463
peak_42515	chr15	9533130	9533368	-35151	Intergenic	NM_001013517	zgc:110155	5.198463301	3.806951597	1.391511704	0.026472
peak_36098	chr14	34019435	34021146	-120885	Intergenic	NM_131472	kdrl	6.834530228	5.443018533	1.391511695	0.008717
peak_25587	chr4	27578767	27579509	84835	Intergenic	NM_001020599	trmu	8.516797876	7.125353114	1.391444762	0.000478
peak_41478	chr16	33765012	33765787	-8847	Intergenic	NM_131252	ck2a1	7.394695212	6.003302268	1.391392944	0.022845
peak_33381	chr15	33023747	33024070	-16798	Intergenic	NM_001127474	dckl1b	6.064628484	4.673473257	1.391155227	0.004799
peak_37420	chr9	9592208	9592758	-23013	Intergenic	NM_001013319	zgc:113337	6.920720048	5.529569093	1.391150955	0.011484
peak_27591	chr24	7768604	7769097	17939	intron (NM_001114549, intron 1 of 1)	NM_001114549	ptrfb	7.603301556	6.212239323	1.391062233	0.000955
peak_23211	chr18	39559183	39560338	12822	Intergenic	NM_001076747	fbxo36a	9.288412071	7.897464742	1.390947329	0.000184
peak_40357	chr16	18168110	18168529	34663	Intergenic	NM_001020558	fabp11b	6.371320339	4.980504172	1.390816167	0.019096
peak_41596	chr2	38989454	38989866	177020	intron (NM_001159839, intron 1 of 16)	NM_001159839	clstn2	5.451590098	4.060862235	1.390727863	0.023307
peak_40045	chr7	27298281	27298582	-118	promoter-TSS (NM_001123054)	NM_001123054	si:ch211-138a11.	5.734615648	4.34397638	1.390639268	0.018144
peak_37179	chr11	38974563	38974933	71508	Intergenic	NM_001034175	etnk2	5.737915131	4.347405984	1.390509147	0.010968
peak_31634	chr3	6666469	6667124	-102802	Intergenic	NM_001089460	pkn1b	7.213834048	5.823406313	1.390427736	0.003112
peak_25599	chr23	10374174	10374634	-13935	Intergenic	NM_200080	krt8	7.620326054	6.229990639	1.390335414	0.00048
peak_27663	chr13	46121092	46121723	16034	intron (NM_001024819, intron 8 of 9)	NM_213529	tmem50a	6.867167053	5.476873353	1.390293701	0.000978
peak_27286	chr20	33277851	33278241	-55318	Intergenic	NM_212614	mycn	7.279002129	5.88879249	1.390209639	0.000856
peak_27049	chr11	45622217	45622930	26722	Intergenic	NM_200298	map1lc3c	8.396461754	7.006305327	1.390156427	0.00079
peak_24828	chr8	52331561	52332011	19286	exon (NM_001083854, exon 10 of 10)	NM_001083854	ido1	6.969541735	5.579429518	1.390112217	0.000363
peak_36960	chr3	40915173	40915588	12364	intron (NM_199902, intron 2 of 8)	NM_199902	foxk1	6.273905171	4.883835701	1.39006947	0.010494
peak_42220	chr3	19932947	19933326	-3215	3' UTR (NM_001005395, exon 22 of 22)	NM_001040341	atxn7l3	6.037714633	4.647753768	1.389960865	0.025384
peak_30778	chr4	47436124	47436504	346676	Intergenic	NM_001115109	zgc:175008	5.253234453	3.863364632	1.38986982	0.002472
peak_40247	chr11	24460561	24460993	-204204	Intergenic	NM_001113489	kiss1	5.127133121	3.737337445	1.389795676	0.018764
peak_34624	chr2	43649245	43649698	-20813	Intergenic	NM_212928	itgb1b.2	8.096205216	6.706432863	1.389772352	0.006343

peak_34979	chr21	15773055	15773358	34389	Intergenic	NM_001271841	gfi1b	5.748610487	4.359097936	1.389512551	0.006836
peak_38623	chr16	2390033	2390485	87922	Intergenic	NM_181735	foxi1	4.950940826	3.56149326	1.389447566	0.014266
peak_39701	chr7	67320708	67320936	27039	intron (NM_001083583, intron 20 of 22)	NM_001014289	eif4g2a	4.222285668	2.832999168	1.389286501	0.017145
peak_30139	chr7	75189775	75190551	-1803	Intergenic	NM_001082921	ppp1r15a	6.669432795	5.280459558	1.388973237	0.002107
peak_30756	chr22	33404830	33405112	258070	Intergenic	NM_001040377	zgc:136895	5.549856644	4.161460059	1.388396585	0.00246
peak_31367	chr23	31442261	31442617	-41535	Intergenic	NM_001020771	irak1bp1	6.562048417	5.174157538	1.387890878	0.002894
peak_36907	chr18	48937834	48938148	68217	Intergenic	NM_001043325	loxl1	5.556412231	4.168867814	1.387544417	0.010366
peak_26983	chr2	43587195	43587706	17091	intron (NM_205674, intron 2 of 16)	NM_205674	nrp1b	7.861127855	6.473638839	1.387489016	0.000775
peak_28382	chr1	42264788	42265759	33480	Intergenic	NM_201502	smox	6.668123628	5.280732018	1.38739161	0.001241
peak_25870	chr8	20973631	20974634	-2775	Intergenic	NM_194402	mknk2b	7.787827429	6.400500728	1.387326701	0.000525
peak_22800	chr3	22586101	22587128	-7491	Intergenic	NM_207640	ifnphi1	8.707929655	7.321021407	1.386908247	0.000154
peak_26844	chr18	31639094	31639835	36993	Intergenic	NM_001082889	v2rh32	7.271463176	5.884732158	1.386731018	0.000739
peak_29884	chr12	17828278	17828881	-41195	Intergenic	NM_001103118	MGC174155	5.64630244	4.259664627	1.386637814	0.001959
peak_30510	chr18	608931	609462	2090	intron (NM_001014356, intron 2 of 6)	NM_001014356	fam219b	6.94328958	5.557138831	1.386150749	0.002317
peak_43234	chr20	49791844	49792117	-369433	Intergenic	NM_001014329	naa20	3.843780917	2.457683127	1.38609779	0.029692
peak_27369	chr25	9183597	9183960	29575	Intergenic	NM_001014323	accs	6.543257381	5.157208287	1.386049094	0.000882
peak_25531	chr19	22768789	22769211	61879	intron (NM_001045159, intron 9 of 9)	NM_199656	slc52a2	7.073652563	5.688140738	1.385511825	0.000468
peak_40022	chr11	16052821	16053217	77648	intron (NM_212975, intron 1 of 2)	NM_212975	gdf11	5.376622063	3.991135346	1.385486717	0.01808
peak_29444	chr7	44452995	44453916	2599	intron (NM_199824, intron 1 of 5)	NM_199824	arl8	8.211841925	6.826520686	1.385321239	0.001727
peak_35168	chr22	19775930	19776269	-60425	Intergenic	NM_001083067	si:dkey-78l4.12	5.945956457	4.560639886	1.385316571	0.007144
peak_43499	chr21	4946013	4946327	7364	intron (NM_199901, intron 1 of 27)	NM_199901	zgc:55582	5.497658046	4.112383507	1.385274539	0.030778
peak_38076	chr1	23747753	23749092	286029	Intergenic	NM_001130587	tmem154	8.807251032	7.422020467	1.385230565	0.01294
peak_41020	chr10	32061053	32061442	126808	intron (NM_153654, intron 3 of 10)	NM_153654	pknox2	5.844546347	4.459425427	1.385120919	0.02138
peak_33220	chr1	13257138	13258560	-9715	Intergenic	NM_001006042	fip1l1b	7.954531943	6.569491879	1.385040064	0.004621
peak_28841	chr14	444523	445234	56765	Intergenic	NM_001114567	zgc:172215	7.106156673	5.721284897	1.384871776	0.001434
peak_24755	chr1	57739237	57739749	-69905	intron (NM_001113805, intron 8 of 9)	NM_001033742	b3gntl1	7.819288465	6.434540177	1.384748288	0.000353
peak_36125	chr3	37410298	37410886	155791	Intergenic	NM_201504	arf2	7.117470283	5.732760889	1.384709394	0.008783
peak_32802	chr13	17073627	17074020	439512	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	6.692835851	5.308303643	1.384532208	0.004175
peak_33116	chr13	24537044	24537319	-1661	Intergenic	NM_001126381	rab4a	6.338487567	4.954037557	1.38445001	0.004526
peak_25214	chr19	368141	368827	-7603	Intergenic	NM_001082944	vps72	7.726828569	6.342429519	1.38439905	0.000418
peak_33961	chr19	31593569	31593914	10703	Intergenic	NM_213235	khdrbs1b	5.673746249	4.289602955	1.384143294	0.005483
peak_42945	chr2	59146241	59146726	55106	intron (NM_212882_1, intron 3 of 9)	NM_212882_1		6.457606365	5.073528499	1.384077866	0.028345
peak_26834	chr22	11293348	11293757	39249	intron (NM_205626, intron 8 of 12)	NM_205626	bcor	6.78064056	5.396799781	1.383840778	0.000736
peak_25775	chr23	38932918	38933437	-112891	Intergenic	NM_001080609	sall4	7.190047473	5.806298011	1.383749462	0.000509
peak_35916	chr6	602846	603676	5620	intron (NM_001114903, intron 4 of 12)	NM_001114903	cyth4b	7.624008672	6.240370951	1.383637721	0.008383
peak_35706	chr19	20656026	20656298	-4088	exon (NM_001045403, exon 2 of 3)	NM_200416	tra2a	5.41795454	4.034327938	1.383626601	0.008032
peak_29142	chr18	47938899	47939508	-160648	Intergenic	NM_001007334	yif1b	7.135150241	5.751523933	1.383626309	0.001581
peak_23222	chr5	29879984	29880478	-23972	Intergenic	NM_001080196	ncaph	8.069725281	6.686101212	1.38362407	0.000185
peak_28279	chr6	15060719	15061074	15945	intron (NM_001003492, intron 1 of 3)	NM_001003492	nck2b	6.748417941	5.364891087	1.383526854	0.001202
peak_35654	chr15	18857203	18857591	-4549	Intergenic	NM_001002680	prkrirb	5.630360448	4.247642586	1.382717862	0.007933
peak_36264	chr21	37816644	37817126	38705	Intergenic	NM_194372	hnf1bb	6.507158239	5.124795858	1.382362381	0.009047
peak_29041	chr17	37761266	37761711	-51663	Intergenic	NM_001076673	tmem229b	6.493515893	5.111262232	1.382253661	0.001531
peak_31822	chr16	54342997	54343422	-367967	intron (NM_001017775, intron 7 of 7)	NM_213187	dhdds	6.527600354	5.146333318	1.381267036	0.003287
peak_28931	chr22	36450327	36450674	207673	Intergenic	NM_001003610	nicn1	6.486653188	5.105457865	1.381195323	0.001482
peak_41916	chr20	43055088	43055447	-50905	exon (NM_001030124, exon 15 of 18)	NM_001083051	pomcb	6.042392356	4.661728866	1.380663489	0.024389
peak_30568	chr12	41997684	41998101	-1131851	Intergenic	NM_212880	zgc:76887	6.636794854	5.256133716	1.380661138	0.00235
peak_29586	chr18	20721450	20721784	105887	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	6.576199787	5.195687391	1.380512396	0.001799
peak_32569	chr4	57659962	57660366	351268	Intergenic	NM_001122627	zgc:174275	6.351517082	4.971541329	1.379975754	0.003952
peak_39162	chr22	4868879	4869309	6647	intron (NM_200332, intron 1 of 4)	NM_200332	tnfaip8l1	6.246862621	4.867314517	1.379548104	0.015715
peak_24588	chr23	44696594	44698759	-27877	Intergenic	NM_200267_1	imp3	9.51598731	8.136721461	1.379265849	0.000329
peak_37552	chr7	10226725	10227063	120038	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	5.162625321	3.783495671	1.37912965	0.01176
peak_35418	chr2	18919649	18919914	-82749	Intergenic	NM_001128369	LOC100006660	5.736266333	4.357352981	1.378913351	0.00753
peak_27999	chr17	2098015	2098637	276	intron (NM_001163923, intron 1 of 5)	NM_001163923	ccbe1	7.751578076	6.372723209	1.378854867	0.001103
peak_42365	chr9	33272156	33272498	60423	Intergenic	NM_001017747	coq10b	3.594783512	2.216057445	1.378726067	0.025887
peak_26747	chr11	19048022	19048629	-70704	Intergenic	NM_001079955	dido1	7.081971583	5.70373003	1.378241554	0.000714
peak_31610	chr7	982262	982854	88900	intron (NM_200561_1, intron 4 of 5)	NM_001077212	dctn1a	6.801323604	5.423089965	1.378233639	0.003091
peak_37455	chr6	171818	172235	-45547	Intergenic	NM_213233	atf4b1	6.727347404	5.349244093	1.37810331	0.011573
peak_31147	chr18	43906105	43906383	124893	Intergenic	NM_001039634	wt1b	5.922906591	4.54501047	1.377896121	0.002721
peak_30273	chr5	3322815	3323231	166214	Intergenic	NR_030090		6.606602999	5.229003987	1.377599011	0.002178
peak_34623	chr1	6039802	6040151	-32475	Intergenic	NM_001143751_2	erbb4a	5.94559977	4.568057424	1.377542346	0.006341
peak_42153	chr18	8152466	8152907	-108176	Intergenic	NM_001128535	si:ch211-220f12.	3.997917271	2.620582971	1.3773343	0.025171
peak_28288	chr8	52092085	52092631	65123	Intergenic	NM_200180	rmi1	6.655722338	5.278425565	1.377296772	0.001204
peak_33529	chr25	22582690	22583106	82303	Intergenic	NM_198801	ckmt1	6.215758102	4.838540639	1.377217463	0.004948
peak_37929	chr17	53446365	53446951	14094	intron (NM_131896_1, intron 6 of 6)	NM_131896_1	meis2a	6.024901573	4.647755413	1.37714616	0.012577
peak_38129	chr9	45410349	45410884	-49889	Intergenic	NM_130978	neurod	5.093324086	3.716196714	1.377127372	0.013062
peak_41630	chr21	35459035	35459567	31734	Intergenic	NM_001002503	ndfip1l	7.188239561	5.811147872	1.377091689	0.023395
peak_32437	chr14	39106700	39107421	900161	Intergenic	NM_001048055	lect2l	7.718993143	6.342144249	1.376848894	0.003825
peak_39022	chr16	41032090	41032370	6887	intron (NM_001127513, intron 1 of 23)	NM_001127513	zgc:113232	5.1402842	3.763466959	1.376817241	0.015322
peak_43619	chr8	23693359	23693976	-90739	Intergenic	NM_001143977	sypa	6.452830915	5.076252136	1.376578779	0.031306
peak_35497	chr14	46924777	46925047	70502	Intergenic	NM_001044886	si:ch211-240l14.:	4.704501946	3.328019769	1.376482176	0.007657
peak_36827	chr17	17241134	17241457	36757	intron (NM_001080009, intron 5 of 23)	NM_001080009	nrxn3a	6.314054126	4.937780556	1.376273571	0.010167
peak_28743	chr12	28393593	28394360	28781	intron (NM_131709, intron 1 of 7)	NM_131709	zeb1b	7.868218968	6.492016879	1.376202089	0.001391
peak_31383	chr24	9024339	9024658	70150	Intergenic	NM_199567	tgif1	6.115093328	4.738966163	1.376127165	0.002902
peak_27635	chr2	49896502	49896881	-91209	Intergenic	NM_001277094	rorcb	6.529253667	5.153438663	1.375815004	0.000971
peak_24373	chr18	4792918	4794260	-47414	Intergenic	NM_001007761	fgf7	8.324661705	6.948848071	1.375813634	0.000302
peak_35304	chr19	26259501	26259828	-1156	Intergenic	NM_212563	pard6gb	6.30402318	4.928348928	1.375674252	0.007326
peak_38357	chr1	33830348	33830695	-6085	Intergenic	NM_001008733	arl6	6.107779486	4.732216319	1.375563167	0.013674
peak_26052	chr8	16814408	16815191	-36336	intron (NM_212973, intron 17 of 18)	NM_001007064	dmrta2	8.324326789	6.949265488	1.375061301	0.000559
peak_40595	chr19	39280187	39281140	111424	intron (NM_001122760, intron 4 of 26)	NM_001122760	thsd7a	7.47194077	6.097082587	1.374858183	0.01992
peak_33449	chr6	50411913	50412253	8978	Intergenic	NM_001126109	mych	6.08067278	4.705855439	1.374817341	0.004871
peak_41227	chr19	1403675	1404045	53160	Intergenic	NM_200401	zgc:63863	5.199061934	3.824374799	1.374687135	0.022104
peak_33660	chr17	51046580	51047046	-47404	Intergenic	NM_131342	bmp4	6.509800523	5.135247595	1.374552928	0.005106
peak_42332	chr3	60209335	60209831	19881	intron (NM_001113799, intron 7 of 14)	NM_001113799	zmp:000000068(	6.524471141	5.150636774	1.373834367	0.025748
peak_28298	chr8	14153851	14154616	3740	intron (NM_001110110, intron 1 of 2)	NM_001110110	b3gnt3	7.358894556	5.985085897	1.373808659	0.001209
peak_37237	chr12	50078774	50079298	49273	Intergenic	NM_001015064_1	ctbp2l	6.392195399	5.018651495	1.373543904	0.011083
peak_39107	chr25	24077183	24078071	171792	Intergenic	NM_001020596	phlda2	4.963720362	3.590588254	1.373132108	0.015551
peak_35875	chr7	3435255	3435476	387570	Intergenic	NM_001030135	si:ch211-282j17.:	6.140907462	4.768399048	1.372508414	0.008324
peak_32281	chr16	12507367	12507858	33355	intron (NM_131685, intron 18 of 18)	NM_214780	rabac1	6.718790515	5.346294946	1.372495569	0.003676
peak_24942	chr2	32883419	32884028	-23780	Intergenic	NM_001076570	rnf220a	7.914788997	6.542326338	1.372462659	0.000379
peak_25995	chr23	10654117	10655015	151450	Intergenic	NM_001099237	eif4ba	9.54854635	8.176150518	1.372395831	0.000549
peak_37311	chr21	11784811	11785314	79272	Intergenic	NM_001080655	pnpla7a	6.241351579	4.869558615	1.371792964	0.01124
peak_38778	chr3	49998748	49999339	-4347	Intergenic	NM_001076646	hs3st3b1a	7.166933504	5.795213537	1.371719967	0.014698
peak_37853	chr6	33878959	33879501	-128804	Intergenic	NM_001114437	brinp3a	7.211759117	5.840046702	1.371712415	0.012421
peak_33946	chr1	14064069	14064423	78818	Intergenic	NM_001045485	pi4k2b	5.809993993	4.438434586	1.371559407	0.005464
peak_41446	chr4	29821831	29822430	-22566	Intergenic	NM_001114486	zgc:174314	4.499603187	3.128312949	1.371290238	0.022769
peak_24042	chr19	50153172	50154075	46183	intron (NM_001040330, intron 2 of 8)	NM_001033754	zgc:114119	9.747515569	8.376590292	1.370925277	0.000262
peak_35137	chr24	40026882	40027204	-21229	Intergenic	NM_001077331	zgc:154125	5.716283569	4.345475983	1.370807587	0.007092
peak_25522	chr10	9909817	9910336	269172	Intergenic	NM_001044910	si:ch211-243g18.	8.119782733	6.749026731	1.370756002	0.000466
peak_29674	chr14	7933275	7933875	60942	Intergenic	NM_001014305	zgc:110843	8.545692255	7.174988184	1.370704071	0.001848
peak_21585	chr1	1868788	1870730	11432	intron (NM_001099998, intron 1 of 7)	NM_001161671	mbnl2	10.71461061	9.343949607	1.370661005	8.95E-05
peak_29936	chr19	15372106	15372509	-75831	Intergenic	NM_199211	ctps1a	6.602070526	5.232049431	1.370021095	0.001987
peak_40291	chr1	54866786	54867463	286896	Intergenic	NM_130954	dla	6.612470073	5.242674631	1.369795441	0.018917
peak_42882	chr7	42459843	42460954	-205681	Intergenic	NM_199843	shcbp1	3.849893014	2.480228435	1.369664579	0.02807
peak_30862	chr12	4982591	4983223	-850	promoter-TSS (NM_213182)	NM_213182	ca15b	6.907756593	5.538240723	1.36951587	0.002534
peak_24338	chr5	37730217	37731025	157280	Intergenic	NM_001004659	zgc:103697	7.791918078	6.422487589	1.369430489	0.000297

peak_29478	chr10	42667884	42668429	-749	promoter-TSS (NM_001003536)	NM_001003536	brf2	6.638561273	5.269241193	1.36932008	0.001744
peak_25908	chr11	41194862	41196037	-209553	Intergenic	NM_001002073	vamp3	9.095850663	7.726568669	1.369281994	0.000534
peak_40471	chr6	59185016	59186211	91382	Intergenic	NM_001123374	shmt2	7.626013418	6.256898937	1.369114481	0.019493
peak_30395	chr6	48654323	48654913	-296185	Intergenic	NM_201150	rhoae	7.68407117	6.315000653	1.369070517	0.002248
peak_29471	chr9	56256588	56257042	-18061	Intergenic	NM_001002457	egfl6	6.453067239	5.084048278	1.369018961	0.001741
peak_39059	chr14	20748400	20748689	-409307	Intergenic	NM_152963	fmr1	5.627250145	4.258231918	1.369018227	0.015413
peak_29773	chr18	47297453	47298023	603	intron (NM_001020764, intron 1 of 3)	NM_001020764	aamdc	7.251062718	5.882055245	1.369007473	0.001902
peak_22321	chr2	59144826	59146157	54114	intron (NM_212882_1, intron 3 of 9)	NM_212882_1		10.24670188	8.877959478	1.3687424	0.000126
peak_28250	chr1	59771758	59772412	7847	intron (NM_200224, intron 3 of 10)	NM_200224	trip10b	6.914354653	5.545873051	1.368481602	0.001189
peak_29759	chr20	37893049	37894169	2315	intron (NM_001025523, intron 1 of 5)	NM_001025523	vash2	8.687277946	7.318936322	1.368341624	0.001894
peak_29944	chr4	3905486	3906053	-46173	Intergenic	NM_201059	waslb	6.858667191	5.490957251	1.36770994	0.001991
peak_41124	chr6	50741880	50742199	-59987	Intergenic	NM_001184955	pigu	4.491806838	3.124422678	1.36738416	0.021759
peak_34192	chr24	27658789	27659255	-107053	Intergenic	NM_001077761	nceh1b	6.604345133	5.237337629	1.367007504	0.005757
peak_40733	chr6	25288648	25289843	398341	Intergenic	NM_212689	lmo4b	5.166303529	3.799312794	1.366990736	0.020334
peak_21570	chr2	31102119	31102901	4198	intron (NM_001122840, intron 1 of 9)	NM_001122840	colec12	9.392043245	8.02512702	1.366916225	8.87E-05
peak_22420	chr5	29503947	29504544	7961	Intergenic	NM_001013472	zgc:110340	9.303933036	7.937051321	1.366881714	0.000131
peak_27368	chr22	38736756	38737282	345374	Intergenic	NM_001113587	hykk.2	8.260354644	6.893543285	1.366811359	0.000881
peak_42123	chr10	15794352	15794870	88706	Intergenic	NM_001201570	tjp2a	5.250349312	3.883541561	1.366807751	0.02508
peak_26193	chr6	27641673	27642329	37116	Intergenic	NM_200602	cep63	7.713981703	6.347385559	1.366596144	0.000589
peak_43878	chr3	48063645	48064076	4042	Intergenic	NM_201311	pmp22a	6.418468701	5.052005062	1.36646364	0.032473
peak_23146	chr4	2485930	2486584	-5504	intron (NM_001045144, intron 6 of 21)	NM_001044765	gpr22	7.971825628	6.605825547	1.366000082	0.00018
peak_22451	chr11	13345194	13346009	-6667	Intergenic	NM_001002191	mob3c	10.44879946	9.082832045	1.365967412	0.000133
peak_30946	chr21	8331942	8332279	26720	Intergenic	NM_001076741	esm1	6.040389474	4.674754617	1.365634858	0.002586
peak_28261	chr14	10108526	10108953	-315048	intron (NM_001142584, intron 4 of 9)	NM_213447	tmem129	7.167698285	5.802110057	1.365588228	0.001194
peak_25450	chr11	2860061	2861017	118463	Intergenic	NM_001080669	srpk1b	9.023935428	7.658599469	1.365335959	0.000457
peak_27760	chr9	24708825	24709468	9941	intron (NM_001005394, intron 2 of 3)	NM_001005394	gypc	7.905546951	6.540534611	1.36501234	0.001018
peak_28729	chr1	57071311	57071920	62081	Intergenic	NM_001109838	zgc:171452	7.092509436	5.727504282	1.365005154	0.001382
peak_32920	chr23	40225967	40226439	-121996	Intergenic	NM_001082482	ghrhrl	6.839936468	5.475109041	1.364827427	0.00431
peak_41424	chr3	43178612	43178950	62138	Intergenic	NM_200517	zfand2a	4.583823625	3.219160902	1.364662723	0.022687
peak_33389	chr23	33731303	33731838	40259	intron (NM_001004288, intron 2 of 29)	NM_001004288	itga5	7.322861609	5.958430655	1.364430954	0.004806
peak_25466	chr7	25729075	25729595	39227	Intergenic	NM_001130628	btr09	7.3901151	6.026317914	1.363797186	0.000459
peak_29227	chr10	40806313	40806593	-121200	Intergenic	NM_001037674	smtlb	5.926164383	4.562449186	1.363715198	0.001622
peak_27811	chr15	33676888	33677296	37678	intron (NM_212883, intron 3 of 12)	NM_212883	agmo	6.460105758	5.09653165	1.363574108	0.001034
peak_25304	chr5	2358523	2359009	89627	Intergenic	NM_001114407	ca4a	7.679567799	6.31605328	1.363514519	0.000433
peak_29591	chr3	5050014	5050330	17463	intron (NM_001089332, intron 7 of 22)	NM_001089332	zgc:162198	5.781028784	4.417767124	1.36326166	0.001801
peak_33077	chr5	56869757	56870370	68129	Intergenic	NM_001003753	gna14	7.061001067	5.698023559	1.362977508	0.004475
peak_27346	chr9	40554901	40555408	-474406	Intergenic	NM_001161762_1	si:zfos-1425h8.1	6.99637837	5.6336204	1.36275797	0.000875
peak_38876	chr12	20958927	20959318	2745	intron (NM_001013509, intron 1 of 3)	NM_001013509	shisa9a	6.235218809	4.872584776	1.362634032	0.014935
peak_36512	chr3	62565727	62566074	183104	Intergenic	NM_001105129	srebf1	5.47306213	4.11066628	1.362395851	0.009576
peak_33436	chr23	31928759	31929182	-44629	Intergenic	NM_199212	sgk1	6.155531108	4.793218557	1.362312551	0.004862
peak_22252	chr24	41431263	41432368	150563	Intergenic	NM_001077598	aoc1	9.93834607	8.576086778	1.362259292	0.000122
peak_22996	chr21	43211729	43212550	-42617	Intergenic	NM_131826	spry4	8.711299846	7.349937466	1.36136238	0.000169
peak_38435	chr23	8286179	8286637	-436	promoter-TSS (NM_001030258)	NM_001030258	LOC571123	6.080347896	4.719018939	1.361328957	0.013864
peak_31977	chr16	21038776	21039164	52067	intron (NM_001098779, intron 9 of 9)	NM_001098779	rapgef5b	5.2948114	3.934314876	1.360496525	0.00341
peak_31370	chr18	48931464	48931848	74552	Intergenic	NM_001043325	loxl1	6.27957652	4.919282575	1.360293946	0.002895
peak_42582	chr10	33414174	33414536	34740	intron (NM_201069, intron 6 of 14)	NM_201069	uvrag	5.629916529	4.269834986	1.360081543	0.02676
peak_35588	chr24	11778774	11779432	98019	Intergenic	NM_198820	fen1	4.922181637	3.562284138	1.359897499	0.007827
peak_43058	chr2	43490297	43490706	-79858	Intergenic	NM_205674	nrp1b	5.715028461	4.35527818	1.359750281	0.028855
peak_37035	chr7	42042271	42042651	8003	intron (NM_001044832, intron 6 of 11)	NM_001044832	nom1	6.362262452	5.002698999	1.359563452	0.010632
peak_37348	chr14	29047595	29048151	3948	TTS (NM_200569)	NM_200569	tsc22d3	6.478757587	5.119341986	1.359415601	0.011316
peak_25067	chr5	70425614	70426276	-19179	intron (NM_131418, intron 7 of 16)	NM_001089554	si:dkey-251i10.1	8.373790275	7.014409173	1.359381102	0.000397
peak_39850	chr16	3547733	3548050	44322	intron (NM_001105701, intron 7 of 13)	NM_001105701	lars2	5.667271222	4.307987804	1.359283418	0.017559
peak_31244	chr16	34552296	34552707	11	promoter-TSS (NM_001083022)	NM_001083022	klhl32	6.354191339	4.994983832	1.359207508	0.002804
peak_28772	chr14	52431957	52432872	101885	intron (NM_001077724, intron 11 of 12)	NM_001077724	zgc:154054	8.432237168	7.073082039	1.359155129	0.001405
peak_29024	chr14	7218628	7219173	50687	Intergenic	NM_001013291	trpt1	6.722567076	5.363623467	1.358943608	0.001522
peak_33058	chr11	27693773	27694191	-58813	Intergenic	NM_001045307	acad9	7.348258912	5.989748248	1.358510664	0.00446
peak_38955	chr24	6052943	6053341	34284	intron (NM_200738, intron 2 of 9)	NM_200738	abi1a	6.272467252	4.914323355	1.358143897	0.015148
peak_31520	chr3	33625564	33625993	2486	intron (NM_213330, intron 1 of 20)	NM_213330	sgsm3	7.346909015	5.988767272	1.358141743	0.003017
peak_43286	chr18	47246819	47247314	13214	TTS (NM_131424)	NM_131424	clns1a	5.538994075	4.180967409	1.358026666	0.029926
peak_27930	chr1	59973698	59975110	-6197	Intergenic	NM_205632	zgc:77358	9.569806991	8.21196915	1.357837841	0.001081
peak_33276	chr12	23129440	23129799	89910	Intergenic	NM_001020680	mrpl27	6.715016252	5.35757381	1.357442442	0.004671
peak_38995	chr19	1646553	1647006	-51608	Intergenic	NM_001089516	lrrc3b	6.880893618	5.52347548	1.357418139	0.015256
peak_32750	chr3	24168465	24169068	108590	Intergenic	NM_131115	hoxb1a	7.747172582	6.389894877	1.357277705	0.00413
peak_40239	chr3	50179877	50180309	-1155	Intergenic	NM_001083559	zgc:163083	5.638353464	4.281207283	1.357146181	0.018744
peak_38398	chr8	29897753	29898607	149449	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	7.42898372	6.071947208	1.357036512	0.013781
peak_43345	chr20	41901175	41901616	56830	Intergenic	NM_001201561	LOC555548	5.844141355	4.487462592	1.356678763	0.030211
peak_26815	chr16	3952267	3953374	-60082	Intergenic	NM_001020660	cyb5r4	9.04581966	7.689160376	1.356659283	0.000733
peak_27648	chr5	37417541	37418117	13697	intron (NM_001126477, intron 1 of 13)	NM_001126477	stard8	7.322465608	5.966089512	1.356376096	0.000975
peak_41093	chr5	63810866	63811271	33551	Intergenic	NM_200673	zfpl1	6.21103466	4.854675159	1.356359501	0.021676
peak_36902	chr20	40586487	40586827	-67718	Intergenic	NM_131867	hsf2	5.893903958	4.537583765	1.356320193	0.010361
peak_26865	chr5	55571272	55572430	221815	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	9.52408648	8.167874283	1.356212197	0.000744
peak_39196	chr3	62771702	62772029	-17381	Intergenic	NM_001077727	lrrc48	5.002079709	3.646182775	1.355896934	0.015804
peak_33943	chr25	7673640	7674121	46556	Intergenic	NM_001089334	hmg20a	6.715446952	5.359679107	1.355767845	0.005462
peak_24491	chr6	43317641	43319397	-39450	Intergenic	NM_130923	mitfa	9.714372799	8.35911308	1.355259719	0.000314
peak_31462	chr3	6406718	6407233	-120432	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	7.36291483	6.007699842	1.355214988	0.002964
peak_42272	chr10	14987415	14987775	-29362	Intergenic	NM_001290015	smad2	5.783824918	4.428778443	1.355046475	0.025532
peak_41948	chr14	7393409	7393664	-16405	Intergenic	NM_212795	dnd	5.730870537	4.376069568	1.354800969	0.024514
peak_29905	chr1	15085520	15086239	50396	Intergenic	NM_001037103	fgf20a	8.585636033	7.230882251	1.354753782	0.00197
peak_33735	chr13	30868963	30870303	-137	promoter-TSS (NM_001098388)	NM_001098388	zcchc24	8.472880111	7.11819232	1.35468779	0.005191
peak_28889	chr19	3913770	3914172	29960	Intergenic	NM_131519	edn1	6.08067278	4.726101346	1.354571434	0.001461
peak_32642	chr18	41322017	41322417	-1945	Intergenic	NM_001167569	pvrl1b	6.24888771	4.894385797	1.354501913	0.004025
peak_26330	chr9	33907606	33908376	-17550	Intergenic	NM_001111147	hpx	8.245269483	6.89078097	1.354488513	0.000617
peak_30726	chr12	26584585	26585005	8508	intron (NM_001077286, intron 1 of 2)	NM_001113758	socs5a	6.678261539	5.323849181	1.354412357	0.002443
peak_26578	chr9	36916007	36917105	11421	exon (NM_001003616, exon 4 of 4)	NM_001017648	dnajc28	8.960237419	7.605869691	1.354367727	0.000668
peak_31717	chr10	1785968	1786192	-40980	exon (NM_131223, exon 13 of 24)	NR_036690		6.098467082	4.744114797	1.354352285	0.003188
peak_42559	chr17	51015671	51015885	-78439	Intergenic	NM_131342	bmp4	4.160782694	2.80646014	1.354322554	0.0267
peak_24347	chr6	11591375	11592269	-79908	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	9.398854588	8.044752727	1.35410186	0.000298
peak_40015	chr11	11631908	11632235	6681	exon (NM_001102641, exon 4 of 8)	NM_001102641	zgc:171226	6.205367389	4.851373337	1.353994052	0.018067
peak_28337	chr13	5202629	5204448	42408	intron (NM_131893, intron 8 of 12)	NM_131893	meis1	8.704920427	7.351147621	1.353772806	0.001225
peak_39488	chr24	1637753	1638059	178714	Intergenic	NM_001113644_4	zgc:172101	5.942743101	4.589096316	1.353646785	0.016592
peak_27332	chr4	2671661	2672878	-82131	Intergenic	NM_001044997	slco1c1	9.080632173	7.72698718	1.353644993	0.00087
peak_42678	chr11	21573985	21574896	-1962	Intergenic	NM_198921	scarb1	6.33110144	4.977619051	1.353482389	0.02721
peak_40938	chr17	32111150	32111984	207085	Intergenic	NM_001013327	mettl10	5.023868553	3.670391633	1.35347692	0.021091
peak_35257	chr17	23892000	23893032	326	intron (NM_205752, intron 1 of 3)	NM_205752	b3gnt2b	8.032409507	6.679201603	1.353207904	0.007274
peak_36475	chr22	32394082	32394549	-15147	Intergenic	NM_198978	pdcd4b	6.052403918	4.69924849	1.353155427	0.009492
peak_27471	chr7	13279442	13280044	89745	Intergenic	NM_001037578	fam154b	7.922725387	6.56958921	1.353136177	0.000915
peak_21243	chr18	8048244	8049515	-4369	Intergenic	NM_001128535	si:ch211-220f12.	10.93942583	9.586293711	1.353132116	7.53E-05
peak_25885	chr9	18519394	18520073	-220095	Intergenic	NM_001128338	vwa8	7.629367917	6.276299955	1.353067961	0.000529
peak_29158	chr16	55096140	55096900	-62447	Intergenic	NM_001082926	si:ch211-107n13.	6.865282518	5.512587442	1.352695076	0.001587
peak_41531	chr21	1767741	1767978	-141292	Intergenic	NM_205605	wdr91	4.066598018	2.714095065	1.352502953	0.02303
peak_25892	chr16	42216406	42216947	20673	intron (NM_182855, intron 3 of 7)	NM_182855	tgfbr2	7.500581858	6.148122639	1.352459219	0.000531
peak_25362	chr3	10420757	10421443	-114462	intron (NR_105067, intron 4 of 5)	NM_194373	cbx2	8.764708513	7.412339573	1.35236894	0.000442
peak_22470	chr21	35483039	35483870	55887	Intergenic	NM_001002503	ndfip1l	8.88280446	7.53051237	1.35229209	0.000134
peak_33997	chr5	29917321	29917582	1490	intron (NM_199759, intron 1 of 2)	NM_199759	vamp8	5.792227241	4.440102419	1.352124823	0.005519
peak_38364	chr16	44759624	44760027	49	promoter-TSS (NM_131495)	NM_131495	pycard	6.013015265	4.660955036	1.352060229	0.013696

peak_42693	chr9	7697572	7698093	-1073	Intergenic	NM_001079993	dnajb2	6.423359064	5.0714329	1.351926164	0.027259
peak_36480	chr12	49729733	49730507	40198	Intergenic	NM_200855	ndufb8	7.123511225	5.771662788	1.351848437	0.009505
peak_23635	chr16	44840799	44841453	-5049	TTS (NM_001168265)	NM_199838	zgc:66432	9.112946083	7.761118461	1.351827622	0.000218
peak_31294	chr1	8448757	8449093	82738	Intergenic	NM_001020780	uncx4.1	6.648276466	5.29669874	1.351577726	0.002844
peak_23009	chr23	21120802	21121671	29316	Intergenic	NM_001079964	zgc:154075	9.62388073	8.272345369	1.351535361	0.00017
peak_29911	chr7	43934898	43935710	45452	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	7.151979896	5.800515695	1.351464201	0.001975
peak_33148	chr16	48699964	48700188	-57408	Intergenic	NM_001024923	smg5	5.556906595	4.205570277	1.351336318	0.004551
peak_35629	chr12	15090794	15091515	-18926	Intergenic	NM_199783	klhl11	7.170457047	5.819157392	1.351299655	0.007891
peak_31317	chr11	6706781	6707514	168334	Intergenic	NM_213031	gadd45ba	7.257120262	5.905931501	1.351188761	0.002858
peak_31467	chr4	16329075	16329450	16073	Intergenic	NM_001099454	casc1	6.235785367	4.884749439	1.351035928	0.002971
peak_27034	chr16	46236840	46237816	214	intron (NM_201137, intron 1 of 7)	NM_201137	zgc:63907	10.32389302	8.973173428	1.350719596	0.000786
peak_27416	chr3	28347143	28347759	-120637	Intergenic	NM_001005596	rbfox1	7.952653934	6.60232861	1.350325324	0.000898
peak_30818	chr7	9753322	9754075	-65599	intron (NM_001020496, intron 1 of 4)	NM_194409	vax2	7.381547333	6.031571996	1.349975336	0.002506
peak_24368	chr19	13094683	13095419	66342	Intergenic	NM_199923	seh1l	8.548862416	7.198968139	1.349894277	0.000301
peak_24676	chr17	1474257	1475416	-399	promoter-TSS (NM_001089505_1)	NM_001089505_1	zgc:162989	8.310921892	6.961057351	1.349864541	0.000342
peak_33508	chr5	3163475	3163867	6862	Intergenic	NR_030090		6.716701696	5.36729982	1.349401876	0.004934
peak_37918	chr24	14577863	14578279	37654	intron (NM_001166256, intron 2 of 5)	NM_001166256	jph1a	5.769789739	4.420414123	1.349375616	0.012556
peak_23403	chr18	17533673	17535056	88648	intron (NM_001080030, intron 3 of 7)	NM_001080030	si:ch211-216l23.1	9.315429063	7.966111771	1.349317293	0.000198
peak_30103	chr2	59259627	59259962	13356	intron (NM_001002546, intron 1 of 5)	NM_001002546	vapal	6.25292938	4.90373636	1.34919302	0.002081
peak_36434	chr6	16184962	16185360	138851	Intergenic	NM_001002395	faimb	6.587701445	5.238655718	1.349045727	0.009413
peak_32430	chr7	71546939	71547369	9853	Intergenic	NM_001018147	olfcw1	5.325355298	3.976343316	1.349011982	0.00382
peak_27347	chr23	23567172	23567650	-93852	Intergenic	NM_001003830	noc2l	6.811767827	5.463083731	1.348684096	0.000875
peak_34267	chr1	45411913	45412316	6659	exon (NM_001077785, exon 4 of 5)	NM_001077785	vps37c	6.403193058	5.054898595	1.348294463	0.00586
peak_36080	chr13	43951061	43951326	-49494	Intergenic	NM_213128	eif3s6ip	5.5223201	4.174305196	1.348014905	0.008682
peak_27782	chr3	14434665	14435367	61959	intron (NM_001040248, intron 2 of 10)	NM_001040248	nfixb	7.982925411	6.635112448	1.347812964	0.001024
peak_30560	chr11	45535833	45536577	-32790	intron (NM_001015069_1, intron 3 of 3)	NM_214752	irf2bp2b	8.107526414	6.759943057	1.347583357	0.002343
peak_33411	chr12	27561535	27562145	32653	intron (NM_001004585, intron 2 of 12)	NM_001004585	bmpr1ab	8.024658163	6.677198311	1.347459852	0.004833
peak_30870	chr14	45974883	45975413	-115288	Intergenic	NM_200975	gar1	7.024921271	5.677461909	1.347459362	0.002538
peak_42484	chr5	38570639	38571915	-3817	Intergenic	NM_001128766	zgc:194261	6.527558646	5.180130013	1.347428633	0.026364
peak_25274	chr15	15964908	15965611	59861	intron (NM_001166205, intron 24 of 29)	NM_001004118	gdpd1	7.994041781	6.646817285	1.347224496	0.000428
peak_35955	chr3	48423566	48424057	15	promoter-TSS (NM_001003487)	NM_001003487	tmed1a	6.62233592	5.275139774	1.347196146	0.008457
peak_29596	chr1	28289184	28289964	90898	Intergenic	NM_001103123	lig4	5.959133468	4.611994513	1.347138955	0.001801
peak_27329	chr25	772190	772718	-99756	intron (NM_001098393, intron 2 of 7)	NM_199725_1	twf1a	7.809008222	6.461875527	1.347132695	0.000869
peak_41992	chr10	24549244	24549735	-209181	Intergenic	NM_200664	cadm2a	3.878664214	2.531548895	1.347115319	0.024642
peak_30176	chr12	12097488	12097910	-89122	Intergenic	NM_131406	raraa	6.428998606	5.081909019	1.347089587	0.00213
peak_36926	chr2	54196855	54197311	-9088	Intergenic	NM_200690	ranbp3b	6.49934601	5.15228962	1.34705639	0.010397
peak_23614	chr18	48191899	48194101	93149	Intergenic	NM_001007334	yif1b	10.54314982	9.196175507	1.346974316	0.000216
peak_37633	chr15	33861697	33862246	1512	intron (NM_001017598, intron 1 of 1)	NM_001017598	sostdc1a	7.520292599	6.173926457	1.346366143	0.011907
peak_34566	chr16	38553277	38553802	-160353	Intergenic	NM_001115142	snrnp48	6.068911522	4.722603334	1.346308188	0.006281
peak_29446	chr1	22833370	22833891	-16851	Intergenic	NM_152975	mab21l2	6.559939126	5.213907414	1.346031712	0.001727
peak_24182	chr19	27836230	27836987	11064	intron (NM_200943, intron 6 of 10)	NM_200943	bat1	8.1499643	6.804156115	1.345808184	0.000279
peak_36844	chr16	40724164	40724617	-79049	Intergenic	NM_200570	selenbp1	7.19622496	5.850544728	1.345680232	0.010226
peak_40461	chr3	22584202	22584526	-5241	Intergenic	NM_207640	ifnphi1	5.859413719	4.513919201	1.345494518	0.019451
peak_35242	chr15	33998972	33999343	3309	TTS (NM_001024447)	NM_001024447	tnfb	6.338503416	4.993070793	1.345432623	0.007251
peak_41499	chr9	47110147	47110492	30727	intron (NM_001039358, intron 1 of 24)	NM_001039358	hdac4	5.925441065	4.580098245	1.345342821	0.022914
peak_35765	chr5	17027240	17027521	-39956	Intergenic	NM_001013508	gnb1l	5.637028662	4.291899552	1.34512911	0.008148
peak_39615	chr4	36999752	37000203	1184496	Intergenic	NM_001114900	zgc:174708	5.446023636	4.100981355	1.345042281	0.016917
peak_26943	chr12	30824470	30825299	36604	Intergenic	NM_001111150	bms1l	9.362952116	8.01849031	1.344461805	0.000764
peak_32053	chr3	40656488	40656842	85436	Intergenic	NM_001076560	fscn1a	6.510297048	5.166002138	1.34429491	0.003473
peak_22829	chr10	128355	131899	879	intron (NM_001102623, intron 1 of 7)	NM_001102623	zgc:171929	10.53752596	9.19344664	1.344079319	0.000156
peak_24846	chr12	17657211	17658207	4649	Intergenic	NM_001287203	wu:fb37b09	8.528430721	7.184353303	1.344077418	0.000367
peak_29790	chr11	42275212	42275659	-32638	Intergenic	NM_001083570	errfi1	6.730261513	5.386222028	1.344039485	0.001912
peak_40626	chr2	43834256	43835082	23947	intron (NM_001126407, intron 3 of 17)	NM_001126407	arhgap12a	7.098948299	5.755337247	1.343611053	0.020004
peak_34362	chr4	24152511	24153210	-1217	Intergenic	NM_131211	gata3	7.504952965	6.161562081	1.343390883	0.005991
peak_31069	chr8	20116784	20117697	-971	promoter-TSS (NM_001115094)	NM_001115094	notch2	7.697073819	6.353948501	1.343125318	0.002663
peak_36401	chr13	2301049	2302157	-81005	Intergenic	NM_199718	fbxo9	7.278419247	5.935370637	1.34304861	0.00933
peak_28293	chr19	29178489	29179173	31754	Intergenic	NR_105066		7.385234388	6.042192383	1.343042006	0.001205
peak_32213	chr7	33771553	33771914	-171140	Intergenic	NM_205624	fshb	6.366798504	5.023757987	1.343040517	0.003602
peak_30593	chr7	58140699	58141135	-42355	Intergenic	NM_001077165	senp8	6.343640409	5.000651567	1.342988842	0.002361
peak_29007	chr2	25078398	25079012	-169100	Intergenic	NM_001002303	nceh1a	7.235656514	5.892866637	1.342789877	0.001513
peak_29897	chr19	1241826	1242383	-3686	Intergenic	NM_001113601	scrt1a	7.645424228	6.302780807	1.342643421	0.001967
peak_27655	chr3	1945249	1946105	5507	intron (NM_001080072, intron 1 of 12)	NM_001080072	triobpb	8.501923794	7.159723248	1.342200546	0.000976
peak_26609	chr23	35959085	35959898	-10583	Intergenic	NM_131339	rarga	8.964696502	7.622913445	1.341783057	0.000677
peak_29414	chr20	21056429	21057085	-51815	intron (NM_199889, intron 16 of 18)	NM_001024815	btbd6b	7.532938515	6.191194769	1.341743746	0.001712
peak_36277	chr23	45710626	45711067	-10035	Intergenic	NM_001077745_1	ctc1	6.980920138	5.639247917	1.34167222	0.009082
peak_42373	chr17	31462978	31463378	-43154	exon (NM_001006660, exon 26 of 28)	NM_201491	ivd	6.601164962	5.259496258	1.341668704	0.025933
peak_29355	chr18	37622759	37623344	496	exon (NM_001045552, exon 1 of 5)	NM_001045552	mapk6	6.693260829	5.351675397	1.341585432	0.001687
peak_32886	chr4	40002222	40003214	620941	Intergenic	NM_001109839	zgc:173617	7.390354278	6.048992205	1.341362073	0.004262
peak_42335	chr11	10221135	10221433	-183370	Intergenic	NM_001142265	nlgn1	4.864350335	3.523086636	1.341263699	0.025752
peak_27817	chr24	7974095	7974972	-229	promoter-TSS (NM_001013339)	NM_001013339	bmp6	7.81363151	6.47284204	1.34078947	0.001036
peak_36412	chr23	26573436	26573715	143623	Intergenic	NM_001099420	ptpn22	5.714191115	4.373476245	1.34071487	0.00936
peak_30830	chr13	38379955	38380439	-230795	Intergenic	NM_001113581	zgc:171579	6.512692831	5.171996305	1.340696526	0.002512
peak_24530	chr6	37717698	37718226	-19903	Intergenic	NM_001006062	nipa1	8.389509873	7.049720481	1.339789392	0.000321
peak_25405	chr2	33680364	33681296	30309	Intergenic	NM_130988	ptch2	9.070543353	7.730858982	1.339684371	0.00045
peak_39390	chr13	21119609	21120303	-440500	Intergenic	NM_001144786	si:ch1073-126c3.8	6.97915824	5.639479895	1.339678345	0.016298
peak_25081	chr25	707588	708468	53554	intron (NM_001098393, intron 2 of 7)	NM_001098393	zgc:162740	8.994941966	7.65540694	1.339535026	0.000399
peak_35123	chr7	23773916	23774480	-9159	intron (NM_001246320, intron 10 of 10)	NM_001002340	cldn7a	7.736042052	6.39651504	1.339527012	0.007077
peak_26386	chr18	48852598	48853707	25602	intron (NM_001045317, intron 1 of 4)	NM_001045317	mob2b	8.794993113	7.455530688	1.339462425	0.000629
peak_29026	chr7	72982886	72983345	93040	Intergenic	NM_001020693_1	gba3	6.12554113	4.786138728	1.339402402	0.001522
peak_42581	chr2	6880311	6880551	9641	intron (NM_001114683, intron 6 of 18)	NM_001114683	si:dkey-60b12.1	3.924355407	2.584981932	1.339373475	0.026755
peak_36994	chr1	28568232	28568652	30273	intron (NM_001114714, intron 2 of 4)	NM_001114714	si:dkey-1h24.2	5.812734601	4.473561422	1.339173179	0.010559
peak_23132	chr16	49473698	49475313	-279	promoter-TSS (NM_001145241)	NM_001145241	rpz2	10.25952132	8.920422299	1.339099022	0.000179
peak_39236	chr23	10355937	10356587	4207	3' UTR (NM_200080, exon 9 of 9)	NM_200080	krt8	6.817627003	5.478613196	1.339013807	0.015915
peak_27772	chr22	33569512	33569823	93374	Intergenic	NM_001040377	zgc:136895	6.4661012	5.12716139	1.33893981	0.001022
peak_43588	chr16	24285112	24285498	80144	Intergenic	NM_001114318	il6r	6.218747627	4.879846221	1.338901405	0.031159
peak_38836	chr13	28092345	28092798	64614	Intergenic	NR_030042		5.353115955	4.014328371	1.338787585	0.014839
peak_32727	chr2	12981751	12982278	64771	Intergenic	NM_201139	kdsr	6.713143749	5.374486461	1.338657288	0.004114
peak_27582	chr16	5080747	5082153	-43276	Intergenic	NM_152981	mtf1	8.815679434	7.477135225	1.338544209	0.000952
peak_31868	chr3	58517940	58518268	7495	intron (NM_001040041, intron 4 of 4)	NM_001040041	lgals3bpa	6.22964593	4.891105783	1.338540147	0.003328
peak_38648	chr8	20203945	20204341	-2529	Intergenic	NM_001079682	foxe3	6.95451126	5.616010601	1.338500659	0.014321
peak_33974	chr21	13457964	13458646	27215	intron (NM_201168, intron 6 of 17)	NM_201168	sfswap	6.59158217	5.253091849	1.338490322	0.005495
peak_29143	chr8	37241815	37242213	133479	intron (NM_200957, intron 10 of 10)	NM_200957	slc15a4	6.625024388	5.286588465	1.338435923	0.001582
peak_28733	chr21	16609251	16609938	141153	Intergenic	NM_001080558	zgc:158666	7.461610594	6.123501079	1.338109515	0.001386
peak_25327	chr1	14043619	14044081	58422	Intergenic	NM_001045485	pi4k2b	7.785338063	6.447321665	1.338016398	0.000437
peak_40246	chr16	42065933	42066286	78171	intron (NM_199661, intron 4 of 4)	NM_199661	stt3b	4.783449089	3.445565752	1.337883337	0.018761
peak_28580	chr1	59948890	59949345	12903	intron (NM_001037694, intron 3 of 6)	NM_001037694	lpar2b	7.47455352	6.136826913	1.337726606	0.001323
peak_22871	chr18	14329058	14329925	49698	Intergenic	NM_001030145	uri1	9.955631669	8.618189573	1.337442097	0.000159
peak_39341	chr3	719691	720120	14029	intron (NM_200640, intron 3 of 5)	NM_200640	kdelr3	6.252657886	4.915298836	1.33735905	0.016163
peak_30875	chr9	56998179	56998530	7562	intron (NM_001007293, intron 3 of 15)	NM_001007293	mospd2	6.316263055	4.978947368	1.337315687	0.002542
peak_24740	chr23	21125092	21126026	-26418	Intergenic	NM_001146149	pax7b	8.243819648	6.906566126	1.337253522	0.00035
peak_35100	chr12	23886762	23887115	-6947	Intergenic	NM_001007151	shbg	6.054701687	4.717595694	1.337105993	0.007035
peak_37458	chr16	8741904	8742209	-79284	Intergenic	NM_199515	prdm1a	5.99997995	4.662929388	1.337050562	0.01158
peak_34214	chr23	39128249	39128709	82411	Intergenic	NM_001080609	sall4	6.754144154	5.417273002	1.336871152	0.005796
peak_26758	chr19	31633349	31634266	413	intron (NM_001005970, intron 1 of 5)	NM_001005970	tspan13b	8.516374137	7.179729409	1.336644728	0.000717
peak_31646	chr25	27595338	27595853	7066	intron (NM_001013279, intron 1 of 1)	NM_001013279	fbxl22	6.787446836	5.450863884	1.336582952	0.003123

peak_36789	chr12	32242924	32243563	4546	intron (NM_001020607, intron 3 of 8)	NM_001020607	casp7	6.031322327	4.694869192	1.336453135	0.010098
peak_25764	chr6	52951631	52952189	49047	Intergenic	NM_199788	fam212ab	7.126652036	5.790399372	1.336252664	0.000507
peak_26846	chr5	20289628	20290387	391224	Intergenic	NM_201009	aacs	7.641433523	6.305215131	1.336218392	0.00074
peak_32568	chr20	31530648	31531014	-7623	Intergenic	NM_001044819	sash1a	6.245124565	4.908937229	1.336187336	0.003951
peak_24029	chr8	5004350	5011310	1131	exon (NM_001113589, exon 2 of 2)	NM_001113589	hsp70l	13.15790416	11.82184798	1.336056184	0.00026
peak_37375	chr6	4142715	4143231	-274639	Intergenic	NM_200247	unc50	7.016066104	5.680192215	1.335873889	0.011385
peak_24907	chr10	68375	70107	-5170	intron (NM_001102623, intron 2 of 7)	NM_131836	sim2	10.67504483	9.339381186	1.335663649	0.000374
peak_34071	chr11	11106633	11107033	94796	Intergenic	NM_001007422	mvda	6.378255046	5.042611911	1.335643135	0.00561
peak_33399	chr11	13298367	13298576	13998	intron (NM_213416, intron 1 of 7)	NM_213416	elovl1b	5.751085746	4.415444942	1.335640804	0.004816
peak_34824	chr20	42478158	42478683	-6793	Intergenic	NM_001025486	si:dkeyp-93d12.1	6.826975064	5.491383133	1.335591931	0.006591
peak_38121	chr3	56094142	56094546	-94941	Intergenic	NM_183066	hbae3	5.989962721	4.654375738	1.335586982	0.013038
peak_38370	chr17	39316900	39317197	34878	intron (NM_212821, intron 1 of 16)	NM_212821	crim1	5.625024388	4.289466445	1.335557943	0.013726
peak_22997	chr3	40920373	40921147	6984	intron (NM_199902, intron 2 of 8)	NM_199902	foxk1	10.66226512	9.326867502	1.335397616	0.000169
peak_39766	chr7	43462322	43463489	-150734	Intergenic	NM_131063	shha	6.671159724	5.335900301	1.335259424	0.0173
peak_36794	chr8	38757763	38758073	-54422	Intergenic	NM_001128335	adrb3a	6.3766375	5.042053817	1.334583683	0.010107
peak_34813	chr2	50367954	50368258	-8027	Intergenic	NM_214709	wdr48	6.07481365	4.740587168	1.334226482	0.006572
peak_37705	chr9	18359956	18360346	-60513	Intergenic	NM_001128338	vwa8	6.449564412	5.115434665	1.334129747	0.012054
peak_25940	chr8	460413	464842	4239	TTS (NM_198145)	NM_001030255	pggt1b	10.54235479	9.208262685	1.334092108	0.000539
peak_40345	chr8	1701283	1701986	129703	Intergenic	NM_205739	dgcr6	5.886118348	4.552058519	1.334059829	0.019063
peak_32269	chr15	33163643	33164128	-1018	Intergenic	NM_001077786	postnb	8.088628509	6.754936888	1.333691621	0.003662
peak_42001	chr6	50593488	50593991	42732	intron (NM_001123252, intron 3 of 14)	NM_001123252	si:dkey-46l15.1	6.578948703	5.245337494	1.333611209	0.024683
peak_41156	chr20	53130657	53131078	58109	Intergenic	NM_200777	tbc1d7	6.149623036	4.816159522	1.333463514	0.021846
peak_24300	chr23	4102419	4103241	29854	intron (NM_001045332, intron 1 of 8)	NM_001045332	b4galt5	8.599792326	7.266391454	1.333400872	0.000293
peak_25005	chr20	9746888	9748078	13798	3' UTR (NM_213412, exon 11 of 11)	NM_199649	zfp36l1b	9.605212242	8.271924062	1.333288179	0.000389
peak_29273	chr11	36402903	36403408	197921	Intergenic	NM_200450	camkvb	7.280134179	5.946878575	1.333255604	0.001648
peak_37308	chr16	27632421	27632811	364	5' UTR (NM_001130659, exon 1 of 3)	NM_001130659	pard6ga	6.116063072	4.783069691	1.332993381	0.011232
peak_27189	chr6	14800242	14800689	-49545	Intergenic	NM_201447	pou3f3b	7.443113365	6.110255361	1.332858004	0.000829
peak_29097	chr19	39880301	39880963	87840	Intergenic	NM_001044795	smap2	7.931863636	6.599297526	1.332566111	0.001557
peak_41580	chr3	36534446	36535042	10048	intron (NM_198806, intron 5 of 13)	NM_198806	gspt1l	4.606563513	3.274025464	1.332538049	0.023256
peak_35931	chr2	59465620	59465940	29660	intron (NM_212882_1, intron 4 of 9)	NM_001017797	cirbpa	5.053378088	3.721434641	1.331943447	0.008409
peak_37613	chr12	17598135	17598424	14728	Intergenic	NM_001105680	MGC174152	5.078397056	3.746664863	1.331732193	0.011872
peak_36184	chr21	19572570	19572918	20428	exon (NM_001111081, exon 9 of 10)	NM_001111081	ghrb	5.900197442	4.568491185	1.331706257	0.008896
peak_30343	chr3	15676126	15676546	-892	promoter-TSS (NM_001105136)	NM_001105136	atp6v0ca	6.776411638	5.444987372	1.331424266	0.002222
peak_42221	chr15	40383800	40384135	42367	Intergenic	NM_001002430	pxylp1	6.122388691	4.791134153	1.331254538	0.025394
peak_40744	chr5	11145856	11146592	170	intron (NM_001083817, intron 1 of 6)	NM_001083817	LOC553308	3.851417001	2.520166667	1.331250334	0.020367
peak_38252	chr5	46083397	46084017	31680	Intergenic	NM_001111220	gas1a	6.640999424	5.309778661	1.331220763	0.013398
peak_29049	chr17	32594161	32594509	-18552	Intergenic	NM_001077604	klf11b	6.249771591	4.918636323	1.331135268	0.001534
peak_27920	chr2	39357280	39357994	22388	intron (NM_001256642, intron 1 of 2)	NM_001256642	spsb4a	8.070952215	6.739930195	1.33102202	0.001075
peak_26365	chr19	39959766	39960453	8363	intron (NM_001044795, intron 1 of 9)	NM_001044795	smap2	8.060337498	6.729410647	1.330926851	0.000624
peak_42955	chr15	46765804	46766330	-6902	intron (NM_213169, intron 1 of 7)	NM_001017599	h3f3b.1	6.100070516	4.769144256	1.33092626	0.028385
peak_30824	chr2	39409311	39409684	-29472	Intergenic	NM_001256642	spsb4a	6.508352192	5.17749919	1.330853002	0.002509
peak_34765	chr7	48344338	48344669	46322	intron (NM_001195407, intron 1 of 1)	NM_001195407	tshz3b	6.221696597	4.890886981	1.330809616	0.006508
peak_42758	chr12	13363098	13363494	607105	Intergenic	NM_001114932_1	wapalb	5.390901295	4.060147268	1.330754027	0.027498
peak_26342	chr15	32260116	32261228	120238	Intergenic	NM_199743	zgc:73340	9.452960063	8.122360984	1.330599079	0.000619
peak_39193	chr16	31307735	31308077	54442	intron (NM_131317, intron 9 of 9)	NM_001199720	LOC555692	6.656824927	5.326329132	1.330495795	0.015796
peak_34469	chr18	20944103	20944392	14138	Intergenic	NM_001144042	si:dkey-12e7.4	6.045391474	4.714955488	1.330435985	0.006144
peak_28960	chr16	13245261	13246276	57989	intron (NM_001245961, intron 4 of 15)	NM_001245961	grik5	7.502886749	6.172714617	1.330172132	0.001494
peak_31447	chr6	20079861	20080511	1689	intron (NM_001002216, intron 3 of 3)	NM_001002216	gadd45ab	7.910677984	6.580571555	1.330106429	0.002947
peak_39553	chr21	35340791	35341492	-3557	Intergenic	NM_214692	mpp1	6.073162832	4.743088949	1.330073883	0.016771
peak_38199	chr16	21134999	21135472	148332	Intergenic	NM_001098779	rapgef5b	6.014036236	4.684251733	1.329784503	0.013274
peak_30900	chr4	60520445	60521472	-26209	Intergenic	NM_001045464	ms4a17a.16	8.450374398	7.120765085	1.329609313	0.002554
peak_39974	chr7	11834317	11834873	105170	Intergenic	NM_200157	abhd17c	6.035370072	4.706216746	1.329153325	0.01796
peak_37886	chr3	56852460	56852837	-89930	Intergenic	NM_001115092	stk19	6.077095029	4.748038408	1.329056621	0.012478
peak_30230	chr21	745221	745607	87144	Intergenic	NM_194432	oaz2a	6.677200284	5.348498146	1.328702138	0.002158
peak_38345	chr14	8011471	8011822	39029	Intergenic	NM_001002626	zgc:92242	6.347457001	5.018757904	1.328699097	0.013641
peak_26549	chr12	6781975	6782833	-18774	intron (NM_001077614, intron 1 of 5)	NM_001007763	asah2	8.195845733	6.867202149	1.328643584	0.000664
peak_26123	chr4	11907852	11908817	18171	intron (NM_212680, intron 3 of 4)	NM_212680	hmga2	9.000977287	7.672387669	1.328589618	0.000574
peak_24930	chr19	20162100	20163265	99638	Intergenic	NM_001139462	snx10a	8.909680591	7.581154447	1.328526143	0.000377
peak_40982	chr11	38034583	38034793	-230730	Intergenic	NM_203484	cacna1da	4.904629727	3.576466522	1.328163205	0.02123
peak_43526	chr16	27054310	27054937	-65792	Intergenic	NR_029985		6.408135387	5.080147383	1.327988005	0.030871
peak_35742	chr6	47507313	47507857	98669	Intergenic	NR_030036		6.545861885	5.218074518	1.327787366	0.008112
peak_33933	chr16	4275588	4275839	148673	Intergenic	NM_200701	wdr21	5.47306213	4.145769444	1.327292687	0.00545
peak_33346	chr1	395179	395642	3720	intron (NM_001145612, intron 2 of 3)	NM_001145612	si:ch73-41e3.7	5.908316484	4.581088792	1.327227692	0.004759
peak_41440	chr13	15590122	15590592	55567	intron (NM_199885, intron 10 of 15)	NM_199885	mark3	5.636586791	4.30937656	1.32721023	0.022742
peak_36348	chr18	24595094	24595477	-108024	Intergenic	NM_001045011	rgma	6.123316747	4.796279965	1.327036782	0.009228
peak_43782	chr15	15487667	15488136	81752	Intergenic	NM_200639	flot2b	5.92580277	4.59889237	1.326910399	0.032134
peak_23903	chr19	13231351	13232338	38690	Intergenic	NM_001044994	si:ch211-105d11.	8.538180119	7.211409901	1.326770217	0.000247
peak_27944	chr2	40136044	40136512	54379	intron (NM_153658, intron 2 of 15)	NM_153658	epha4b	6.508110662	5.181386247	1.326724415	0.001085
peak_24835	chr12	24989160	24989898	142955	Intergenic	NM_131784	bambia	8.596789031	7.270356991	1.32643204	0.000364
peak_40200	chr12	204517	205252	-22257	Intergenic	NM_200462	dnah9	6.873952941	5.548042304	1.325910637	0.018611
peak_43396	chr14	10027434	10027921	-233986	intron (NM_001142584, intron 4 of 9)	NM_213447	tmem129	5.597964525	4.272480601	1.325483924	0.0304
peak_32391	chr21	8541656	8542115	178796	Intergenic	NM_001037701	mapk10	7.521482718	6.196835784	1.324646934	0.003776
peak_40454	chr17	25275462	25275900	7880	exon (NM_213442, exon 9 of 17)	NM_213442	srrm1	6.297329543	4.972694115	1.324635428	0.019431
peak_42537	chr1	26157193	26157650	78877	intron (NM_001122755, intron 4 of 6)	NM_001122755	bnc2	6.253522649	4.928889888	1.324632762	0.026607
peak_38464	chr6	59182161	59182622	88160	Intergenic	NM_001123374	shmt2	5.38775394	4.063296614	1.324457326	0.013919
peak_30430	chr3	55342185	55342592	9434	intron (NM_001007403, intron 1 of 13)	NM_001007403	trip10a	6.7780269	5.453590924	1.324435976	0.002273
peak_25978	chr2	35209062	35209807	78415	Intergenic	NM_131036	tnw	7.837518662	6.513114752	1.32440391	0.000547
peak_39312	chr15	20575927	20576393	64116	Intergenic	NM_001040312	bco2a	7.174867475	5.850531831	1.324335643	0.016103
peak_23456	chr9	12973122	12973976	-38201	Intergenic	NM_001005941	pttg1ipb	9.871489233	8.54721486	1.324274373	0.000202
peak_42518	chr15	4118739	4118972	-132713	Intergenic	NM_199855	rnf168	4.565315894	3.241135418	1.324180476	0.026489
peak_36984	chr19	12907597	12907930	36719	intron (NM_001083072, intron 13 of 14)	NM_001003776	ncaldb	4.979875451	3.65597954	1.323895911	0.010549
peak_28411	chr19	30601101	30601741	-9529	Intergenic	NM_200919	nudc	7.215183623	5.891333856	1.323849767	0.001254
peak_29215	chr17	10062516	10062903	-32319	intron (NM_131432, intron 17 of 24)	NM_001170739	mgaa	6.858856622	5.535062113	1.323794509	0.001615
peak_28446	chr2	25708512	25709091	75	promoter-TSS (NM_001160095)	NM_001160095	pld1a	7.789026601	6.465322213	1.323704387	0.001267
peak_25550	chr14	32106597	32107207	-85875	Intergenic	NM_131860	gpc4	8.744663261	7.421019376	1.323643885	0.000472
peak_22663	chr19	22686612	22687789	-13875	Intergenic	NM_001045159	nfatc1	10.48580212	9.162264682	1.323537439	0.000146
peak_38211	chr23	1524049	1524330	70011	Intergenic	NM_200432	fbxo30b	4.469096843	3.145666785	1.323430058	0.013304
peak_43040	chr11	45178012	45178335	80488	intron (NM_001015069_1, intron 3 of 3)	NM_001077318	clcn4	5.046741819	3.723343619	1.3233982	0.0288
peak_27569	chr5	18696755	18697199	-185246	Intergenic	NM_001004640	atad1a	7.26388462	5.940555384	1.323329235	0.000949
peak_35934	chr18	18115256	18115714	16985	intron (NM_199521, intron 1 of 2)	NM_199521	siah1	6.377695499	5.054556492	1.323139007	0.008417
peak_31405	chr1	22289709	22290083	42075	exon (NM_001201530, exon 12 of 18)	NM_001201530	fam184b	6.579665287	5.256710909	1.322954377	0.002918
peak_27894	chr16	8662564	8663073	-46	promoter-TSS (NM_199515)	NM_199515	prdm1a	9.043902414	7.720951203	1.322951211	0.001064
peak_26279	chr9	41489323	41489835	-130141	Intergenic	NM_001128564	vwc2l	7.45734889	6.134429447	1.322919442	0.000605
peak_43340	chr21	7551771	7552154	6294	intron (NM_001030261, intron 2 of 12)	NM_001030261	wdr41	5.710417032	4.387822704	1.322594328	0.030183
peak_32769	chr24	35818783	35819046	206466	Intergenic	NM_131456	ctnna1	6.008582688	4.686302805	1.322279883	0.004144
peak_32838	chr24	32736262	32736632	144836	Intergenic	NM_001002229	snx7	6.388803822	5.066744071	1.32205975	0.004213
peak_36345	chr25	36155667	36155929	6611	Intergenic	NM_001089517	zgc:162611	5.669432795	4.347442541	1.321990254	0.009223
peak_31345	chr20	29590253	29590638	-1383	Intergenic	NM_201513	ywhaqa	6.485888871	5.163909655	1.321979216	0.002877
peak_27258	chr8	7615318	7615796	12847	exon (NM_001017709, exon 5 of 8)	NM_001017709	gpd1a	7.408767353	6.087000681	1.321766672	0.00085
peak_28549	chr14	40088488	40089133	-42851	Intergenic	NR_045230		8.219546286	6.897876676	1.32166961	0.001309
peak_32484	chr6	7537879	7538266	65337	Intergenic	NM_001080169	ubn2	7.067427428	5.745813071	1.321614357	0.003875
peak_31543	chr21	24391360	24391778	59428	Intergenic	NM_001109726	zgc:171740	7.094280408	5.772837957	1.321442451	0.003033
peak_26739	chr21	6190724	6191616	133852	Intergenic	NM_212591	cdk9	8.214295563	6.892875691	1.321419872	0.000712
peak_26550	chr10	11455472	11455889	91581	intron (NM_201103, intron 13 of 13)	NM_201103	cwc27	7.230223223	5.909573475	1.320649748	0.000664
peak_36715	chr6	3747196	3747529	-7787	Intergenic	NM_001024951	tlk1b	5.294251216	3.973870109	1.320381107	0.009942

peak_35635	chr14	3438709	3439125	-24601	Intergenic	NM_001190933	pdgfrb	6.416410954	5.096072099	1.320338855	0.007899
peak_38540	chr4	41940146	41940634	-220597	Intergenic	NM_001114884	zgc:174696	5.111282037	3.79100692	1.320275117	0.014082
peak_29342	chr6	44196880	44197414	68498	intron (NM_001256392, intron 3 of 9)	NM_001110371	ppp4r2b	7.227585073	5.907382715	1.320202358	0.001681
peak_33354	chr5	46066371	46066664	48870	Intergenic	NM_001111220	gas1a	5.998948979	4.678872275	1.320076704	0.004771
peak_38716	chr23	26656310	26656950	106772	Intergenic	NM_001195247	si:dkey-205h13.1	8.563327623	7.243274565	1.320053058	0.014493
peak_36713	chr12	46842887	46843339	-15375	Intergenic	NM_131640	pax2b	6.734202682	5.414153783	1.320048899	0.009933
peak_31368	chr13	46720415	46720666	-24574	Intergenic	NM_213133	marcksl1a	5.78942417	4.469566131	1.31985804	0.002894
peak_36213	chr18	8677182	8677563	40991	intron (NM_131048, intron 8 of 17)	NM_131048	sema3d	6.116995205	4.797325495	1.31966971	0.008939
peak_38625	chr11	46433044	46433390	-58	promoter-TSS (NM_001142582)	NM_001142582	il1rapl1b	6.469096843	5.149676864	1.319419979	0.014269
peak_35108	chr1	43027272	43027748	365274	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	6.484676174	5.165494991	1.319181183	0.007053
peak_36471	chr19	13533599	13533989	-3830	Intergenic	NM_001003765	cthrc1a	6.74656443	5.427550664	1.319013766	0.009483
peak_30073	chr14	20885337	20886680	-271843	Intergenic	NM_152963	fmr1	8.907842802	7.588898766	1.318944036	0.002064
peak_39034	chr6	42242091	42243082	-21061	intron (NM_201341, intron 31 of 44)	NM_205661	tex264a	6.41433523	5.095399837	1.318935393	0.015357
peak_33159	chr21	35652353	35652783	65273	Intergenic	NM_001122621	mrpl22	6.850274162	5.531423788	1.318850374	0.004565
peak_33781	chr6	30233199	30233582	49893	intron (NM_001110470, intron 4 of 22)	NM_001110470	wwc3	6.450333544	5.132386418	1.317947127	0.00524
peak_33734	chr12	16481081	16481325	-14385	Intergenic	NM_213095	acbd4	5.959840094	4.641996908	1.317843185	0.005188
peak_36034	chr7	9076352	9077253	23967	TTS (NM_001077154)	NM_001020496	zgc:113057	6.741013548	5.423350637	1.317662912	0.008579
peak_36463	chr22	11071524	11072088	91492	intron (NM_001123229, intron 2 of 20)	NM_001123229	insrb	6.381656102	5.064145887	1.317510215	0.009471
peak_32165	chr9	30029202	30029736	7084	intron (NM_001007200, intron 1 of 25)	NM_001007200	ptpn4a	6.837609172	5.520111765	1.317497408	0.003558
peak_34618	chr5	64980725	64981207	23276	Intergenic	NM_001083561	napaa	7.196066283	5.878608714	1.317457569	0.006338
peak_34657	chr15	46077755	46078389	2314	intron (NM_001089504, intron 1 of 9)	NM_001089504	zgc:162985	7.691234865	6.373777935	1.31745693	0.006391
peak_40840	chr24	440148	440547	-9702	intron (NM_001013328, intron 2 of 4)	NM_001115059	tgfbr1b	5.291975562	3.975102473	1.316873089	0.020683
peak_31095	chr14	42180562	42180792	6752	intron (NM_173260, intron 6 of 12)	NM_173260	taf7	6.113506514	4.796723185	1.316783329	0.002683
peak_40042	chr15	12573878	12574247	-257545	Intergenic	NM_001115148	LOC100002553	4.368129927	3.051739905	1.316390022	0.018131
peak_32067	chr15	40354029	40354639	12734	intron (NM_001002430, intron 2 of 5)	NM_001002430	pxylp1	7.915705098	6.59974679	1.315958308	0.003488
peak_40423	chr10	35531361	35531591	-181814	Intergenic	NM_001013500	nbeaa	5.468103815	4.152326658	1.315777157	0.019326
peak_29266	chr23	5369443	5370301	108721	intron (NM_181498, intron 10 of 10)	NR_039088		8.14163556	6.82615539	1.31548017	0.001646
peak_37501	chr7	38656856	38657275	-112372	Intergenic	NM_001146014	sall1a	6.075465841	4.760093943	1.315371898	0.01166
peak_27696	chr25	24898152	24898801	27518	Intergenic	NM_001003619	uevld	7.251071138	5.935769581	1.315301557	0.00099
peak_35349	chr2	54193857	54194176	-12155	Intergenic	NM_200690	ranbp3b	5.443499706	4.128207428	1.315292278	0.007409
peak_30341	chr3	26920008	26924592	-3456	Intergenic	NM_001089488	zgc:162612	11.07459491	9.759516877	1.315078035	0.002221
peak_38399	chr5	17718450	17719587	3660	exon (NM_131874, exon 5 of 5)	NM_131874	xbp1	7.678053108	6.363077372	1.314975736	0.013784
peak_38947	chr6	58932994	58933560	-55629	Intergenic	NM_200076	mars	7.222883085	5.908489597	1.314393488	0.015132
peak_33097	chr18	22209999	22210651	13563	intron (NM_001100035, intron 5 of 6)	NM_001100035	rltpr	7.30850078	5.994369154	1.314131625	0.004501
peak_26999	chr12	12906777	12907381	150888	Intergenic	NM_001114932_1	wapalb	7.377571005	6.063500378	1.314070627	0.000779
peak_31003	chr12	9425319	9427150	102292	Intergenic	NM_001002613	nrbf2b	9.540812981	8.226750875	1.314062106	0.002618
peak_24903	chr15	8869098	8869788	-33581	Intergenic	NM_213155	ap2s1	8.629531227	7.315585013	1.313946214	0.000374
peak_39284	chr7	49462151	49462559	245849	Intergenic	NM_131427	cpeb1b	5.963740913	4.649962846	1.313778067	0.01603
peak_42924	chr17	49063201	49063629	28322	Intergenic	NM_212816	gnmt	4.973550572	3.659774959	1.313775613	0.028242
peak_24533	chr18	1378708	1380786	-181758	Intergenic	NM_198912	pepd	9.943639023	8.630507608	1.313131415	0.000321
peak_26711	chr25	35444455	35445269	52682	Intergenic	NM_001110479	trpm1b	8.530873387	7.217832382	1.313041005	0.000703
peak_38949	chr3	1830583	1830931	2030	intron (NM_001111252, intron 3 of 4)	NM_001111252	LOC100007703	5.185230144	3.872432681	1.312797463	0.015134
peak_38695	chr2	12170912	12171414	-83595	Intergenic	NM_199518	prtfdc1	5.566244234	4.253540999	1.312703236	0.014427
peak_25306	chr7	21097571	21098338	115	5' UTR (NM_001171587, exon 1 of 5)	NM_001171587	prox1b	9.056082244	7.74398201	1.312100235	0.000434
peak_36929	chr2	11516797	11517222	-62801	Intergenic	NM_001020566	zgc:110130	6.449801271	5.137813629	1.311987642	0.010399
peak_36614	chr11	35143542	35143874	101327	Intergenic	NM_001045355	tmem44	6.057053595	4.745215369	1.311838226	0.009763
peak_32001	chr6	39867479	39867821	-16681	Intergenic	NM_001040340	sumf1	6.151516049	4.840026874	1.311489175	0.003432
peak_27016	chr10	25114321	25115225	-7107	Intergenic	NM_001025458	tpte	7.832891863	6.521590689	1.311301174	0.000781
peak_41963	chr7	76674990	76675456	3094	intron (NM_001076619, intron 1 of 9)	NM_001076619	btr12	6.524021284	5.213047754	1.31097353	0.024536
peak_23414	chr2	26438482	26439804	2615	intron (NM_001020477, intron 3 of 15)	NM_001020477	ptbp1a	9.946588244	8.635885718	1.310702526	0.000199
peak_24205	chr5	12532231	12533269	36788	Intergenic	NM_001020677	zgc:112294	9.104970975	7.79443377	1.310537205	0.000281
peak_33010	chr24	21265286	21265809	98071	Intergenic	NM_001077390	hhatlb	7.540196436	6.229919883	1.310276553	0.00441
peak_30815	chr5	75534420	75535350	-37313	Intergenic	NM_205634	zgc:77391	7.181733707	5.872109722	1.309623985	0.002503
peak_38961	chr5	74660499	74660763	174187	Intergenic	NM_001003993	ak1	5.407084371	4.097469403	1.309614968	0.015158
peak_33440	chr1	1671457	1671976	76766	Intergenic	NM_178099	atp1a1a.5	6.345549967	5.035943923	1.309606043	0.004866
peak_28903	chr7	61880465	61881359	-120841	Intergenic	NM_001005985	rwdd	7.763500754	6.45420919	1.309291564	0.001469
peak_23462	chr7	53872071	53873168	52791	Intergenic	NM_001144979	gnrhr2	9.404161192	8.095093909	1.309067283	0.000203
peak_41412	chr14	25737185	25737438	23486	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	6.037379929	4.728375676	1.309004253	0.022651
peak_27928	chr14	40128833	40129563	-2463	Intergenic	NR_045230		9.026246624	7.717335731	1.308910893	0.001079
peak_42861	chr7	73998414	73998970	64138	Intergenic	NM_001006020_1	ccdc149a	4.99997995	3.691738512	1.308241438	0.027941
peak_42832	chr18	263644	264501	3895	intron (NM_199531, intron 1 of 8)	NM_199531	gatm	6.449535061	5.141325101	1.30820996	0.027821
peak_34556	chr17	822542	822913	-58237	Intergenic	NM_131591	actc1b	5.920346478	4.612306989	1.308039488	0.006267
peak_25255	chr8	9479543	9480989	7536	Intergenic	NM_131539	pim1	9.966874385	8.658859057	1.308015329	0.000425
peak_37393	chr13	7586297	7586616	-32222	Intergenic	NM_001037101	hells	6.366516527	5.058553453	1.307963074	0.011414
peak_28556	chr16	19133342	19134348	295	intron (NM_213190, intron 1 of 9)	NM_213190	tnfrsf1a	9.011479966	7.703902502	1.307577465	0.001314
peak_28818	chr22	17876498	17876987	36123	Intergenic	NM_201494	tjp3	6.875638976	5.568089604	1.307549371	0.001427
peak_32612	chr21	854627	855263	-22387	Intergenic	NM_194432	oaz2a	5.94918343	4.641876836	1.307306595	0.003987
peak_38226	chr7	35857735	35858235	-43595	Intergenic	NM_131267	irx3a	6.827772042	5.520573584	1.307198458	0.013335
peak_39202	chr15	23103297	23103694	11633	intron (NM_001045472, intron 3 of 6)	NM_001045472	bbc3	7.381275917	6.074150197	1.30712572	0.015825
peak_43170	chr21	9037601	9038030	-44189	Intergenic	NM_001033750	agxt2	4.55032589	3.243288686	1.307037203	0.02939
peak_23343	chr18	35101168	35102179	-7948	Intergenic	NM_001007312	fosb	10.04319655	8.736311594	1.306884958	0.000193
peak_32009	chr9	43003834	43004317	16573	intron (NM_001039630, intron 1 of 27)	NM_001039630	col18a1	7.525664779	6.218806038	1.306858741	0.003436
peak_40170	chr13	11808708	11809112	9119	intron (NM_001044318, intron 1 of 3)	NM_001044318	gng2	5.546097177	4.239247053	1.306850125	0.018528
peak_26348	chr1	30539408	30540066	-127749	Intergenic	NM_178296	gli1	8.535450107	7.228717918	1.30673219	0.00062
peak_26538	chr15	36304236	36304933	16415	Intergenic	NM_001017888	lin37	8.208343809	6.9020895	1.306254309	0.000661
peak_37963	chr5	43654474	43654774	39145	intron (NM_001256655, intron 3 of 7)	NM_001256655	pigl	5.245687247	3.93949967	1.306187577	0.012667
peak_31213	chr5	962893	963453	122932	Intergenic	NM_131461	tek	6.869425251	5.56324762	1.306177631	0.002772
peak_39653	chr14	13472537	13473299	-238494	Intergenic	NM_001002326	pls3	5.983702276	4.677634843	1.306067433	0.017004
peak_28543	chr1	4584474	4585070	36893	intron (NM_212965, intron 1 of 14)	NM_212965	nrp2a	8.120484698	6.814467001	1.306017697	0.001307
peak_32338	chr3	34070398	34070856	-44014	Intergenic	NM_199729	gtf2f1	5.852178391	4.546202487	1.305975904	0.003726
peak_34515	chr2	2892099	2892506	3659	intron (NM_207059, intron 1 of 3)	NM_207059	aqp1a.1	6.832591293	5.526667024	1.305924269	0.00621
peak_26939	chr7	26446490	26447325	-44478	intron (NM_001076730, intron 20 of 21)	NM_212666	cyp26b1	9.444884733	8.139088531	1.305796202	0.000764
peak_30854	chr19	15215306	15215875	71855	Intergenic	NM_001044982	cited4a	7.071865604	5.766106864	1.30575874	0.00253
peak_32030	chr7	22489532	22489998	48146	Intergenic	NM_001017564	zgc:113025	7.460105758	6.154481433	1.305624325	0.003452
peak_29973	chr22	27273799	27274285	-36245	Intergenic	NM_001244080	capn8	7.025090084	5.719918848	1.305171236	0.002012
peak_22979	chr10	41617047	41618972	-32099	Intergenic	NM_001080188	git2b	11.88794141	10.58292133	1.30502008	0.000167
peak_32605	chr17	52058996	52059251	-94396	Intergenic	NM_001012488	zgc:113142	5.944172143	4.639355875	1.304816268	0.003984
peak_32142	chr7	54057664	54058970	-44759	Intergenic	NM_214816	tcf12	8.878881393	7.574366433	1.30451496	0.003533
peak_41721	chr18	18464090	18464329	-16047	Intergenic	NM_001044310	aars	5.085537276	3.781121884	1.304415392	0.023713
peak_43845	chr24	30167828	30168144	-110775	Intergenic	NM_001163988	prmt6	4.57733797	3.273009352	1.304328618	0.032357
peak_33881	chr23	3395660	3395999	27726	Intergenic	NM_131015	mafba	6.448809552	5.144819327	1.303990225	0.005372
peak_25140	chr24	35393940	35394932	44031	Intergenic	NM_174861	gbx1	9.367994899	8.064017831	1.303977068	0.000408
peak_43743	chr8	13418438	13418953	-22525	Intergenic	NM_001004664	zgc:103670	3.988252249	2.684307035	1.303945215	0.031938
peak_26923	chr25	7665300	7666458	38555	Intergenic	NM_001089334	hmg20a	7.946947285	6.643029557	1.303917728	0.00076
peak_31314	chr8	44278962	44279650	-332	promoter-TSS (NM_001017996)	NM_001017996	gfra2a	8.125786469	6.82189335	1.303893119	0.002856
peak_37132	chr12	502879	503245	-27193	Intergenic	NM_001020657	dhrs7cb	5.147161509	3.843341247	1.303820261	0.010834
peak_25457	chr10	46385429	46386978	9810	Intergenic	NM_200547	purbb	9.115016342	7.811266647	1.303749695	0.000458
peak_30349	chr21	956587	957361	-124416	Intergenic	NM_194432	oaz2a	9.017953176	7.714788846	1.303164331	0.002225
peak_33692	chr10	8805350	8806168	34544	Intergenic	NM_001002043	isl1l	8.284246886	6.981643016	1.30260387	0.005137
peak_26613	chr25	13061620	13062607	17795	intron (NM_001077743, intron 2 of 12)	NM_001126450	sept7b	9.649619955	8.347125875	1.302494079	0.000678
peak_28678	chr20	37809050	37809862	-9830	Intergenic	NM_200964	atf3	9.258888197	7.956532226	1.302355971	0.001361
peak_24045	chr3	42549524	42550276	-120	promoter-TSS (NM_001013282)	NM_001013282	il4r.1	10.00349296	8.701519993	1.301972967	0.000262
peak_37860	chr8	8666738	8667109	-71054	Intergenic	NM_001122628_1		6.039052673	4.737136473	1.301916201	0.012432
peak_33820	chr16	54423191	54423561	-287800	Intergenic	NM_213187	dhdds	5.875649898	4.573778927	1.301870972	0.005277
peak_32853	chr15	43772233	43772650	99004	Intergenic	NM_131672	csf1ra	6.401098215	5.099497472	1.301600743	0.004227

peak_31125	chr7	37379555	37380036	-214852	Intergenic	NM_001045227	irx5a	7.028125349	5.726783823	1.301341526	0.002701
peak_37226	chr1	51506180	51506766	-5	promoter-TSS (NM_001145557)	NM_001145557	ugp2a	7.264742682	5.963619811	1.301122871	0.011055
peak_33475	chr19	49016482	49017155	-154135	Intergenic	NM_131813	angpt1	5.989636937	4.688546099	1.301090838	0.004892
peak_23774	chr19	49282478	49283836	-29087	intron (NM_001040330, intron 2 of 8)	NM_001002609	psmb2	10.17453729	8.873746726	1.300790561	0.000233
peak_42782	chr4	47985336	47985673	199920	Intergenic	NM_001122615	zgc:174646	4.979875451	3.67915464	1.300720811	0.027636
peak_32040	chr23	38753948	38754321	-291934	Intergenic	NM_001080609	sall4	6.479496943	5.178837964	1.300658979	0.003459
peak_26554	chr22	26637990	26638870	25836	Intergenic	NM_001123236	LOC554962	7.835209926	6.535019578	1.300190347	0.000665
peak_29999	chr20	30034651	30035176	26287	Intergenic	NM_131337	sox11b	7.89049057	6.590369026	1.300121544	0.002024
peak_33322	chr22	17484467	17484792	779	exon (NM_001044850, exon 2 of 17)	NM_001044850	tdrd5	6.168768297	4.868797368	1.299970929	0.004724
peak_34940	chr10	3602815	3603430	75364	Intergenic	NM_001037412	zgc:123275	7.88788306	6.587934197	1.299948863	0.006782
peak_26137	chr8	29296750	29297743	5646	Intergenic	NM_131884	cebpb	8.699576883	7.399880728	1.299696154	0.000577
peak_26175	chr10	27507111	27508078	44988	Intergenic	NM_001006010	sssca1	8.185510221	6.886049116	1.299461105	0.000585
peak_43609	chr9	27988002	27988397	-374999	Intergenic	NM_001126402	si:rp71-84d19.3	5.936991802	4.637564033	1.299427769	0.031267
peak_34229	chr22	32368279	32369482	10288	intron (NM_198978, intron 4 of 10)	NM_198978	pdcd4b	7.771087028	6.471752107	1.299334921	0.005812
peak_35085	chr2	54699938	54700703	-214482	Intergenic	NM_001017676	capsla	5.61019512	4.311317922	1.298877199	0.007013
peak_40001	chr2	50256882	50257109	106307	Intergenic	NM_001083865	sema4e	4.527572549	3.229239415	1.298333134	0.018025
peak_41582	chr8	40536303	40536569	-637442	Intergenic	NM_001083829	pcsk5b	4.336856522	3.038547836	1.298308687	0.023261
peak_24932	chr21	36668144	36669666	-68106	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	9.958867105	8.660780073	1.298087032	0.000378
peak_27614	chr25	7843220	7843710	-916	promoter-TSS (NM_001128733)	NM_001128733	syt12	7.597176553	6.29930641	1.297870143	0.000963
peak_34156	chr15	37014829	37015190	95402	Intergenic	NM_001044799	stim1a	6.310441227	5.012656349	1.297784878	0.005708
peak_34914	chr3	43637435	43637835	3879	intron (NM_001002044, intron 1 of 2)	NM_001002044	mafk	6.185212517	4.887434775	1.297777743	0.006748
peak_27184	chr11	14507641	14508306	-54185	exon (NM_001017859, exon 7 of 7)	NM_001122654	ptbp1b	7.809999709	6.512316725	1.297682984	0.000828
peak_28872	chr8	54425799	54426863	-56523	intron (NM_131296, intron 3 of 12)	NM_001118893	vps13a	9.584174305	8.286653768	1.297520537	0.001453
peak_41389	chr15	312610	313143	105976	Intergenic	NM_001042691	limk1a	6.637470398	5.340192241	1.297278157	0.022599
peak_26982	chr6	13754799	13755438	37802	intron (NM_001033919, intron 1 of 4)	NM_001033919	tmem198b	7.787230373	6.49036236	1.296868013	0.000775
peak_32755	chr5	55665342	55665646	128172	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	6.460605117	5.163765115	1.296840002	0.004131
peak_34642	chr10	16272821	16273497	18712	intron (NM_001002080, intron 1 of 3)	NM_001163654_1	slc12a2	7.675259191	6.37870465	1.296554541	0.006371
peak_33155	chr23	37724499	37724871	-51545	Intergenic	NM_200856	tor1l3	6.881080153	5.584531552	1.296548602	0.004561
peak_40620	chr11	19295322	19295817	2112	intron (NM_001007063, intron 1 of 21)	NM_001007063	magi1b	6.882198857	5.585663661	1.296535196	0.019987
peak_30144	chr12	8901498	8902019	-47176	Intergenic	NM_001039062	med24	7.009426209	5.712961443	1.296464767	0.00211
peak_36718	chr14	33747705	33748219	2646	intron (NM_001004497, intron 1 of 4)	NM_001004497	slc25a43	7.297617218	6.001210076	1.296407142	0.009955
peak_27901	chr23	5998995	5999451	-129224	Intergenic	NM_200558	mybpha	7.687814308	6.391586574	1.296227734	0.001067
peak_43963	chr17	53154109	53154731	10615	Intergenic	NM_001079662	fam98b	3.890572412	2.594384431	1.296187981	0.032768
peak_26205	chr23	7493556	7494042	40434	Intergenic	NM_131235	gata5	8.123413989	6.82738622	1.296027769	0.000591
peak_27594	chr15	8858755	8859190	-44052	Intergenic	NM_213155	ap2s1	7.540189545	6.244166625	1.296022919	0.000956
peak_42464	chr7	3102566	3103677	-56954	Intergenic	NM_199814	zgc:66473	5.506902405	4.210967195	1.295935211	0.026284
peak_27754	chr2	54648444	54650662	-163715	Intergenic	NM_001017676	capsla	9.030019152	7.734225489	1.295793663	0.001015
peak_25838	chr6	10135345	10136000	80900	Intergenic	NM_001044895	scn1lab	7.612232251	6.316590288	1.295641963	0.000519
peak_35065	chr13	53521918	53522400	-99314	Intergenic	NM_213270	lycat	5.955928698	4.660803646	1.295125052	0.006971
peak_42859	chr10	21728490	21728947	-3315	3' UTR (NM_001024097, exon 4 of 4)	NM_001020804	pcdh1g1	6.257551374	4.962715206	1.294836167	0.027932
peak_31234	chr4	32030982	32032448	263790	intron (NM_001114900_1, intron 3 of 10)	NM_001114900_1	zgc:174708	7.49093729	6.196382478	1.294554811	0.002792
peak_42428	chr13	17110310	17110909	402726	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	7.070201863	5.775745749	1.294456114	0.026132
peak_35707	chr12	36692760	36693153	-171870	Intergenic	NM_200770	fscn2b	5.770169143	4.475786513	1.29438263	0.008036
peak_40854	chr2	18826319	18826537	10604	intron (NM_001128369, intron 1 of 5)	NM_001128369	LOC100006660	5.267036684	3.972687202	1.294349482	0.020733
peak_30719	chr3	27178149	27179157	-247	promoter-TSS (NM_001004119)	NM_001004119	emp2	8.240030516	6.946108728	1.293921788	0.002439
peak_32536	chr11	23028336	23029855	116239	Intergenic	NM_001257192	tfeb	6.739356285	5.445497836	1.293858449	0.003927
peak_26952	chr15	19823977	19824497	-23371	Intergenic	NM_212649	aldh3a2a	8.421613949	7.128129047	1.293484903	0.000765
peak_31653	chr4	13453922	13454311	45018	Intergenic	NM_001162854	LOC799612	7.280000974	5.986643572	1.293357402	0.003127
peak_32738	chr13	42743922	42744296	-33440	Intergenic	NM_001004568	cdc42ep3	6.128076469	4.834979083	1.293097387	0.004125
peak_36654	chr10	3779055	3779455	251497	Intergenic	NM_001037412	zgc:123275	6.275608918	4.982595745	1.293013174	0.009835
peak_26498	chr13	42361729	42362262	-162752	Intergenic	NM_001012482	pcdh15a	8.127669725	6.834988534	1.292681191	0.000652
peak_31657	chr23	30276283	30277075	7578	intron (NM_001089533, intron 2 of 11)	NM_001089533	zgc:162431	8.554848231	7.262191692	1.29265654	0.003132
peak_37474	chr12	48748331	48749071	11700	intron (NM_001017704, intron 1 of 1)	NM_001017704	grem2	7.098457723	5.80606471	1.292393013	0.011617
peak_41050	chr19	50029523	50030374	7712	exon (NM_001006053, exon 10 of 13)	NM_001006053	zgc:101785	7.611571016	6.319269066	1.292301949	0.021501
peak_38528	chr1	34015426	34015725	67728	exon (NM_001045444, exon 21 of 30)	NM_001045444	lmo7b	5.763685396	4.471424889	1.292260506	0.014057
peak_37276	chr19	39225599	39226296	56708	intron (NM_001122760, intron 1 of 26)	NM_001122760	thsd7a	7.009938057	5.717687326	1.292250731	0.011167
peak_33353	chr7	64906445	64906878	385321	Intergenic	NM_131287	sox17	7.314038005	6.021805564	1.292232442	0.004771
peak_38087	chr1	39209843	39210093	37218	Intergenic	NM_212948	spcs3	5.527095843	4.234882381	1.292213461	0.012974
peak_24985	chr11	29353187	29355231	137239	Intergenic	NM_001006070	dhrs3b	10.08396284	8.791808358	1.292154482	0.000386
peak_35816	chr8	45391938	45392293	10689	intron (NM_001007031, intron 2 of 3)	NM_001007031	fam101a	5.768960068	4.476864172	1.292095896	0.008235
peak_36237	chr6	10124567	10124965	91806	Intergenic	NM_001044895	scn1lab	6.856369939	5.564288364	1.292081575	0.008991
peak_36685	chr14	43184066	43184427	27604	intron (NM_001012263, intron 1 of 5)	NM_001012263	fgfrl1b	6.076098726	4.784332927	1.291765798	0.009884
peak_30579	chr3	32733250	32733757	-133	promoter-TSS (NM_001082807)	NM_001082807	tspan4b	6.957719176	5.666267133	1.291452044	0.002355
peak_32729	chr17	53270315	53270751	-76664	Intergenic	NM_131896	meis2a	6.858288255	5.567100623	1.291187632	0.004115
peak_24795	chr6	27670455	27671332	-29352	Intergenic	NM_001080177	amotl2a	9.779761042	8.488651941	1.291109101	0.000359
peak_28339	chr20	39690027	39690501	-21017	Intergenic	NM_001045231	hddc2	7.144823949	5.853851282	1.290972667	0.001226
peak_32104	chr20	47694565	47694952	68771	Intergenic	NM_001002566	rab10	7.343648305	6.052963965	1.29068434	0.003508
peak_34040	chr13	21118615	21119139	-439421	Intergenic	NM_001144786	si:ch1073-126c3.	7.443752298	6.1531353	1.290616998	0.005567
peak_34378	chr9	35033837	35034759	-26162	Intergenic	NM_001007198	ccdc80	7.634479597	6.343894867	1.29058473	0.006016
peak_40410	chr3	21411035	21411352	-2638	exon (NM_001037562, exon 6 of 6)	NM_001020646	zgc:112038	6.028967346	4.738693323	1.290274024	0.019283
peak_42900	chr3	12741883	12742286	-18888	Intergenic	NM_001110762	vasnb	5.905730326	4.615464322	1.290266004	0.028146
peak_33434	chr2	40115263	40115683	33574	intron (NM_153658, intron 2 of 15)	NM_153658	epha4b	6.352293192	5.062056185	1.290237007	0.004859
peak_36371	chr16	12773521	12774111	-172460	Intergenic	NM_131390	gsk3ab	6.347171218	5.057098505	1.290072713	0.009266
peak_43467	chr1	19085914	19086221	-274236	Intergenic	NM_207071	mettl14	5.931937913	4.642496738	1.289441175	0.030657
peak_42843	chr1	23679250	23679675	265239	Intergenic	NM_200771	zgc:73273	5.799768767	4.510333266	1.289435501	0.027845
peak_31674	chr4	21179487	21179846	-36105	Intergenic	NM_001045111	ppfia2	6.314606675	5.025522972	1.289083703	0.003148
peak_29657	chr1	245343	245936	-16834	intron (NM_201027, intron 1 of 11)	NM_001077323	pros1	7.625017891	6.335944088	1.289073802	0.001837
peak_36890	chr7	34820055	34820605	28606	Intergenic	NM_001003573	paqr5b	6.383252669	5.094224567	1.289028102	0.010329
peak_33454	chr16	51040850	51041218	401460	Intergenic	NM_001013336	slc25a32b	5.947759346	4.658756498	1.289002848	0.004879
peak_41149	chr6	12206888	12208313	163732	Intergenic	NM_001045348	gpd2	8.132475197	6.84352918	1.288946017	0.021817
peak_38822	chr18	48181211	48181657	81583	Intergenic	NM_001007334	yif1b	6.387213389	5.098320555	1.288892834	0.014815
peak_36187	chr20	53264548	53264977	-75786	Intergenic	NM_200777	tbc1d7	6.309593756	5.020801455	1.288792301	0.008902
peak_30400	chr9	14204004	14204614	180771	Intergenic	NM_001040366	prkag3b	6.671362861	5.382744967	1.288617894	0.002253
peak_30129	chr23	795449	796006	-13720	Intergenic	NM_131847	mitfb	6.785431906	5.497000087	1.288431819	0.0021
peak_24719	chr7	1496027	1497074	-101933	intron (NM_200561_1, intron 2 of 5)	NM_001003868	nop10	10.16335293	8.875209542	1.288143384	0.000347
peak_31359	chr9	49776192	49777154	6828	intron (NM_199609, intron 1 of 4)	NM_199609	dhrs9	6.862629005	5.574509139	1.288119865	0.002891
peak_35001	chr1	56127864	56128260	161738	Intergenic	NM_199773	dnajb1b	5.249193638	3.961081971	1.288111668	0.00687
peak_39640	chr16	53769026	53769325	-13950	Intergenic	NM_212998	etfb	4.794582633	3.506509832	1.2880728	0.016973
peak_38558	chr13	38159274	38159558	-108278	Intergenic	NM_001256713	si:dkey-188i13.1:	5.433838629	4.145862426	1.287976202	0.014119
peak_24943	chr12	44219140	44220022	63057	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	9.420002598	8.132218545	1.287784053	0.000379
peak_24816	chr17	24460287	24461914	14265	Intergenic	NM_001089398	commd9	10.11590821	8.828212557	1.28769565	0.000361
peak_30825	chr7	75759330	75760058	37058	Intergenic	NM_001077468	mrpl21	8.08343607	6.795812411	1.287623658	0.002511
peak_41082	chr4	40836074	40836625	-80101	Intergenic	NM_001100956	si:dkeyp-4c4.1	4.398739775	3.111590931	1.287148844	0.021653
peak_23842	chr25	13929931	13930944	224	5' UTR (NM_200833, exon 1 of 6)	NM_200833	snrkb	9.682520179	8.395372799	1.28714738	0.000241
peak_35719	chr15	18613768	18614297	-38642	Intergenic	NM_001002587	lim2.3	6.364932445	5.077976555	1.28695589	0.008065
peak_34674	chr16	38886431	38886844	-318088	Intergenic	NM_001200061	LOC100005807	5.772205487	4.48534719	1.286858297	0.006406
peak_42010	chr16	33492482	33492912	191	5' UTR (NM_001014347, exon 1 of 2)	NM_001014347	scrt1b	6.239281921	4.952510717	1.286771204	0.02472
peak_26204	chr3	48384888	48385620	-1800	intron (NM_001030128, intron 14 of 17)	NR_029932		8.837281145	7.550548599	1.286732546	0.000591
peak_41058	chr7	44773120	44773406	-12452	Intergenic	NM_131214	cdh11	5.792997377	4.506474015	1.286523363	0.021534
peak_41383	chr8	55743547	55743832	31178	Intergenic	NM_001077783	zgc:152958	6.256401457	4.96998351	1.286417947	0.022579
peak_34591	chr5	75536026	75536602	-35884	Intergenic	NM_205634	zgc:77391	6.195448904	4.90906039	1.286388514	0.006309
peak_39365	chr21	6795247	6795554	87196	Intergenic	NM_001003486	olfm1b	5.981268198	4.694899033	1.286369165	0.016235
peak_28586	chr13	31346931	31347638	41067	Intergenic	NM_001110389	mapk8a	7.494606391	6.208465096	1.286141295	0.001325
peak_42650	chr19	13846854	13847106	106016	Intergenic	NM_001083572	hint2	3.883141315	2.597067132	1.286074182	0.027064
peak_30807	chr20	16584120	16584845	-45027	Intergenic	NM_001122745	ches1	7.861027775	6.575349585	1.28567819	0.002495

peak_36193	chr19	19233952	19234708	1009	exon (NM_131535, exon 2 of 2)	NM_131535	hoxa4a	7.045567618	5.760655415	1.284912203	0.00891
peak_25633	chr6	51882532	51883698	107689	Intergenic	NM_001287552	LOC570865	9.059394802	7.774519184	1.284875619	0.000485
peak_36499	chr3	9854482	9854733	39825	Intergenic	NM_001113625_1	trap1	5.347186972	4.062762252	1.28442472	0.009541
peak_39852	chr18	31050673	31051376	44974	intron (NM_001005399, intron 8 of 17)	NM_001005399	tcf25	5.977783805	4.693651228	1.284132577	0.017562
peak_27188	chr16	22648587	22649221	62141	Intergenic	NM_199278	cpvl	8.991180522	7.707866965	1.283313557	0.000829
peak_27174	chr20	28140568	28141397	-133920	Intergenic	NM_001079835	dll4	7.95647537	6.673186931	1.283288439	0.000826
peak_35672	chr18	33674071	33674349	77797	Intergenic	NM_199671	snrpa	6.073489338	4.790214438	1.2832749	0.007974
peak_29479	chr5	24558894	24559372	-15926	Intergenic	NM_178299	npas2	8.141008069	6.858008999	1.282999071	0.001744
peak_37146	chr24	7572764	7573119	127843	Intergenic	NM_001076562	galnt11	6.069893706	4.787144438	1.282749268	0.010863
peak_37651	chr8	26763694	26764142	-2890	Intergenic	NM_131050	sema3h	6.477524484	5.194947338	1.282577147	0.011947
peak_34505	chr18	28115271	28115528	239652	Intergenic	NM_001080159	hipk3b	5.254962771	3.972391389	1.282571383	0.006198
peak_31298	chr19	48848286	48848803	14139	intron (NM_131813, intron 1 of 8)	NM_131813	angpt1	7.817042155	6.534569215	1.28247294	0.002848
peak_35747	chr16	46085663	46086164	-9494	Intergenic	NM_131773	cldn12	6.376357439	5.093929422	1.282428017	0.00812
peak_30104	chr22	3274597	3275010	-12286	Intergenic	NM_001045318	zgc:136839	6.706187427	5.42387272	1.282314707	0.002082
peak_28692	chr9	21438355	21438908	-32440	Intergenic	NM_001159666	igsf3	7.082296101	5.80015484	1.282141262	0.001366
peak_37881	chr2	42236547	42237202	-7096	Intergenic	NM_001002358	trim55a	7.349068244	6.066978225	1.282090019	0.012471
peak_42530	chr6	25201663	25202028	485741	Intergenic	NM_212689	lmo4b	4.429734144	3.147651444	1.282082699	0.026573
peak_37287	chr16	639521	639943	-69598	Intergenic	NM_201057	irx2a	5.779428557	4.497453202	1.281975355	0.0112
peak_28216	chr17	28780465	28781162	14535	intron (NM_001013266, intron 1 of 15)	NM_001013266	strn3	8.375520249	7.093813315	1.281706933	0.001179
peak_29873	chr17	49891438	49891972	-15573	Intergenic	NM_001278851	shroom3	7.57121711	6.289710548	1.281506562	0.001953
peak_31035	chr5	11939514	11940276	11145	Intergenic	NM_203478_1	rtn4r	7.20626096	5.924882129	1.281378831	0.002646
peak_25382	chr3	59662562	59663359	-285	promoter-TSS (NM_001285388)	NM_001285388	si:ch73-281f12.4	9.68283965	8.401466422	1.281373228	0.000446
peak_27619	chr7	70628529	70629161	-197750	Intergenic	NM_199682	ap1g1	8.709561686	7.428263791	1.281297895	0.000965
peak_32507	chr6	59270236	59270664	90160	Intergenic	NM_001033751	fam210b	6.407602421	5.126403517	1.281198903	0.003899
peak_32178	chr11	26751291	26751943	11650	intron (NM_130938, intron 1 of 7)	NM_130938	skib	7.803605984	6.522584568	1.281021415	0.003569
peak_34586	chr6	56190234	56190640	71060	Intergenic	NM_001008576_1	tfap2c	7.370523397	6.089763906	1.280759491	0.006306
peak_29781	chr3	20017334	20017803	-9941	Intergenic	NM_194417	sepw2a	6.990318695	5.70971229	1.280606405	0.001908
peak_32564	chr11	8742279	8742820	94140	intron (NM_001020583, intron 3 of 14)	NM_001020583	tbl1xr1a	7.598771917	6.31821703	1.280554886	0.003949
peak_29649	chr13	18916224	18916696	-32209	Intergenic	NM_001145606	lzts2a	7.24629195	5.965980116	1.280311834	0.001831
peak_30306	chr8	52047419	52048441	20695	Intergenic	NM_200180	rmi1	7.361979587	6.081750131	1.280229456	0.002197
peak_36524	chr14	46839171	46839495	156081	Intergenic	NM_001044886	si:ch211-240l14.:	5.736266333	4.456058905	1.280207428	0.009595
peak_30175	chr8	42695353	42696262	25075	Intergenic	NM_001045385	gck	8.278294147	6.998330041	1.279964106	0.00213
peak_35227	chr4	9868666	9869198	22167	Intergenic	NM_001045067	si:dkey-207j16.2	7.070211408	5.790278854	1.279932554	0.007224
peak_33092	chr14	33899374	33905511	-3037	Intergenic	NM_131472	kdrl	5.707450247	4.427573466	1.279876781	0.004488
peak_29192	chr18	8371795	8372317	-5257	exon (NM_001201568, exon 2 of 3)	NM_001017748	tmem243a	7.542549998	6.262817786	1.279732211	0.001605
peak_28400	chr7	68037807	68038485	-59716	Intergenic	NM_178300	arntl1b	9.427326034	8.147595364	1.27973067	0.001248
peak_32413	chr9	2385853	2386230	-3715	Intergenic	NM_213000_1	chn1	6.499374365	5.219760302	1.279614063	0.0038
peak_34305	chr6	46468222	46468616	58491	Intergenic	NM_001111160	ptgis	5.644984921	4.365476207	1.279508714	0.005917
peak_32186	chr17	2533769	2534357	21763	intron (NM_001161399, intron 2 of 5)	NM_001161399	kcnk10b	6.90074954	5.621264113	1.279485427	0.003579
peak_34195	chr3	43626990	43627472	-6525	Intergenic	NM_001002044	mafk	5.84263201	4.563212213	1.279419798	0.005763
peak_40175	chr5	75578693	75579250	5663	TTS (NM_205634)	NM_205725	lman2la	6.306541514	5.027224302	1.279317212	0.018544
peak_37145	chr19	36853770	36854387	55826	Intergenic	NM_001020633	ndufs5	6.837620387	5.558337275	1.279283111	0.010862
peak_27994	chr2	681788	682442	188279	Intergenic	NM_131728	foxc1a	7.166609624	5.887702669	1.278906955	0.001101
peak_42591	chr20	6653002	6653343	13017	Intergenic	NM_001171033	si:ch211-191a24.	4.067909549	2.789089165	1.278820384	0.026828
peak_33630	chr1	11631881	11632188	-6	promoter-TSS (NM_206829)	NM_206829	nans	6.196965632	4.918369194	1.278596437	0.005064
peak_32225	chr13	5777860	5778258	13811	intron (NM_001003600, intron 6 of 6)	NM_001003600	fam120b	5.82950161	4.551026349	1.27847526	0.003619
peak_32421	chr14	32995141	32995573	103206	Intergenic	NM_001001837	zic6	7.095254858	5.816933	1.278321858	0.003808
peak_28636	chr16	3195568	3196507	27171	Intergenic	NM_001002638	preb	7.93700227	6.65921508	1.27778719	0.001345
peak_38897	chr14	43893904	43894584	473827	Intergenic	NM_001030213	afap1l1a	6.379016909	5.101278114	1.277738794	0.014975
peak_37341	chr13	21369195	21369543	421217	Intergenic	NM_001045412	tspan14	5.923631181	4.645977481	1.2776537	0.011298
peak_33651	chr17	34880192	34880653	-92647	Intergenic	NM_201291	id2a	7.463106593	6.185782956	1.277323638	0.005096
peak_38636	chr2	29906677	29907413	7786	Intergenic	NM_001122972	ube2w	7.724323434	6.44721905	1.277104384	0.014298
peak_41534	chr6	58131356	58132055	-76431	Intergenic	NM_212908	tox2	6.926525907	5.649463169	1.277062738	0.023039
peak_33107	chr19	41020912	41021259	-8794	Intergenic	NM_001044312	zmym4	5.996196116	4.719207711	1.276988405	0.004515
peak_40486	chr24	310865	311478	34511	intron (NM_001013328, intron 2 of 4)	NM_001020572	impa2	6.306263717	5.029296039	1.276967678	0.01955
peak_33103	chr3	134572	135546	8138	intron (NM_200075, intron 4 of 7)	NM_200075	hspbp1	7.484322194	6.207919281	1.276402913	0.00451
peak_33577	chr7	52331079	52331509	26868	Intergenic	NM_001128787	pcolceb	7.130284376	5.853901244	1.276383133	0.005001
peak_36396	chr23	7770400	7770772	4974	intron (NM_205718, intron 3 of 8)	NM_205718	pofut1	6.220812539	4.944505338	1.276307201	0.009312
peak_40565	chr11	1585039	1585470	68319	intron (NM_212882_3, intron 1 of 8)	NM_001003867	mybl2	5.981964068	4.705884472	1.276079596	0.019867
peak_39442	chr17	31481713	31482067	60630	exon (NM_001006660, exon 16 of 28)	NM_001006660	ltk	6.371335832	5.095309361	1.276026471	0.016413
peak_42013	chr8	24043372	24043805	-3578	Intergenic	NM_212733	tpd52l2a	4.861327994	3.585375571	1.275952424	0.024727
peak_32720	chr21	43179461	43180046	-10231	Intergenic	NM_131826	spry4	7.065613587	5.789704155	1.275909432	0.004111
peak_30876	chr24	20757212	20758221	3656	intron (NM_201175, intron 1 of 18)	NM_201175	oxsr1b	7.68407117	6.408212355	1.275858816	0.002543
peak_37811	chr15	29678648	29679226	-12863	intron (NM_001113485, intron 10 of 11)	NM_001159983	lyrm9	7.035872798	5.76005533	1.275817469	0.012306
peak_29442	chr20	37622838	37623231	-75857	Intergenic	NM_001030164	hivep2a	7.05140008	5.77564853	1.27575155	0.001726
peak_39703	chr7	21560316	21560673	61200	Intergenic	NM_001039513	cnpy4	6.43790188	5.162466683	1.275435197	0.017148
peak_28821	chr14	2177366	2178394	50183	Intergenic	NM_201310	fbxw11a	7.678280324	6.40287355	1.275406775	0.001428
peak_40209	chr12	15529069	15529324	15317	intron (NM_200872, intron 2 of 8)	NM_200872	becn1	5.626360255	4.351279149	1.275081106	0.018634
peak_30653	chr21	17740385	17740992	258	exon (NM_001282393, exon 1 of 7)	NM_001282393	LOC101885505	7.10487947	5.829815312	1.275064158	0.002397
peak_43793	chr7	14983438	14983784	-105080	exon (NM_001045106, exon 4 of 16)	NM_001199869	fes	5.994472906	4.719576872	1.274896033	0.032167
peak_34370	chr18	38359262	38359582	272476	Intergenic	NM_001080165	gldn	5.41898268	4.144125125	1.274857554	0.006004
peak_30365	chr20	21472666	21473176	9565	intron (NM_131862, intron 2 of 25)	NM_131862	jag2b	7.567751514	6.293036496	1.274715018	0.002232
peak_30675	chr17	35043573	35044032	70733	Intergenic	NM_201291	id2a	6.474807944	5.200401154	1.27440679	0.002412
peak_41962	chr15	44787140	44788161	-8985	intron (NM_001002446, intron 3 of 5)	NM_001017854	atg16l1	6.873379551	5.599373106	1.274006445	0.024533
peak_30426	chr18	11676667	11677407	42361	exon (NM_001177933, exon 18 of 18)	NM_001003859	nup205	7.412522165	6.138781811	1.273740354	0.00227
peak_26728	chr8	15607901	15609188	70737	intron (NM_001113620, intron 7 of 10)	NM_001113620	bcar3	9.269568109	7.995896656	1.273671453	0.000708
peak_29583	chr23	32710439	32711088	79642	Intergenic	NM_200286	taf8	7.085860993	5.81226639	1.273594604	0.001797
peak_43990	chr6	387724	388233	-50424	Intergenic	NM_001002715	zgc:92360	6.054370901	4.780855489	1.273515412	0.032902
peak_35177	chr18	42924211	42924517	19174	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	5.791410378	4.518453709	1.272956669	0.007157
peak_24744	chr1	9582176	9583660	28096	intron (NM_152956, intron 2 of 12)	NM_152956	dachb	8.890534194	7.61759853	1.272935664	0.000351
peak_25778	chr18	8836327	8837361	-152	promoter-TSS (NM_131061)	NM_131061	sema3ab	9.770148371	8.497352362	1.272796009	0.00051
peak_38650	chr11	46475422	46475776	-7247	Intergenic	NM_001017575	aspscr1	5.658567005	4.385925661	1.272641344	0.014326
peak_34963	chr1	17657428	17658136	-49863	Intergenic	NM_001145577	limch1a	7.591924087	6.319735847	1.27218824	0.006805
peak_30614	chr19	25028603	25029345	12610	Intergenic	NM_001004639	polr3gla	7.598998737	6.326899536	1.272099201	0.002376
peak_33905	chr16	41733867	41734657	63890	Intergenic	NM_001159994	gdf6a	7.209821055	5.938021252	1.271799803	0.005417
peak_35594	chr12	31749341	31749861	64185	intron (NM_001014363, intron 7 of 10)	NM_001014363	ablim1b	7.473680723	6.201944062	1.271736662	0.007836
peak_25673	chr19	26555414	26556746	99415	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	8.907931677	7.636337251	1.271594426	0.000491
peak_40126	chr21	14583482	14583873	-161209	Intergenic	NM_131840	tnfrsfa	6.342572933	5.071010803	1.27156213	0.018391
peak_40421	chr2	19424150	19424443	39678	Intergenic	NM_181559	glula	5.438945476	4.167466264	1.271479211	0.019319
peak_29670	chr19	17259070	17259442	-29135	Intergenic	NM_001039524	zfpm2b	6.415623517	5.144181551	1.271441967	0.001846
peak_32607	chr21	19028380	19029161	-80377	Intergenic	NM_201171	dusp4	8.23915338	6.968004329	1.271149051	0.003986
peak_33813	chr7	17785120	17785388	17992	Intergenic	NM_131158	dbx1a	5.703236541	4.432121923	1.271114618	0.005271
peak_30917	chr24	34581365	34581689	18621	intron (NM_001114440, intron 2 of 22)	NM_001114440	slc4a2b	6.329204554	5.058207698	1.270996856	0.002563
peak_35675	chr11	172900	174056	-11404	Intergenic	NM_001200058_1	LOC100006857	9.092630253	7.821755282	1.270874971	0.007977
peak_35224	chr16	43000318	43001046	-6386	intron (NM_001017358, intron 5 of 5)	NM_200203	mettl6	8.172511548	6.901653731	1.270857817	0.007218
peak_42775	chr10	23465898	23466388	-107079	Intergenic	NM_001020582	nle1	6.857139784	5.586505759	1.270634025	0.027598
peak_35357	chr9	35203609	35204248	19	promoter-TSS (NM_001077381)	NM_001077381	nxpe3	7.99515741	6.724795796	1.270361614	0.007425
peak_31981	chr14	10891989	10892341	36561	exon (NM_200653, exon 18 of 35)	NM_200653	atrx	6.522559263	5.252263856	1.270295407	0.003415
peak_26057	chr25	16719682	16720685	7011	intron (NM_212847, intron 2 of 13)	NM_212847	tead1a	9.443902779	8.173640096	1.270262683	0.000561
peak_41884	chr19	23500869	23501097	15452	Intergenic	NM_130987	gdf6b	5.87450424	4.60429903	1.27020521	0.024272
peak_29540	chr16	3315732	3316955	-62030	Intergenic	NM_001109728	LOC797125	8.470337166	7.200194414	1.270142752	0.001778
peak_41253	chr11	46660694	46661269	20601	Intergenic	NM_001030267	srsf7b	6.796189231	5.526046863	1.270142368	0.02218
peak_35930	chr19	334281	334676	916	intron (NM_214753, intron 1 of 9)	NM_214753	gpd1c	5.789026601	4.519323396	1.269703204	0.008403
peak_26049	chr9	43491150	43491772	48	promoter-TSS (NM_001004010)	NM_001004010	calcrla	9.356217269	8.086560721	1.269656548	0.000558
peak_29071	chr7	7607751	7608323	46563	Intergenic	NM_001105277	sf3b2	8.224570339	6.954967808	1.269602531	0.001545

peak_34176	chr8	20370716	20371176	71027	intron (NM_001270477, intron 3 of 6)	NM_001270477	LOC566028	6.207153978	4.937880286	1.269273692	0.00573
peak_27212	chr15	15220117	15221223	16521	intron (NM_001020595, intron 7 of 7)	NM_001017695	rnmtl1a	9.059513617	7.790297726	1.269215891	0.000836
peak_32284	chr10	15093123	15093581	-43197	Intergenic	NM_001145244	scpp8	7.46433755	6.195124838	1.269212712	0.003677
peak_29607	chr14	37260734	37261187	139335	Intergenic	NM_205642	zgc:77938	6.486148457	5.217171415	1.268977042	0.001806
peak_35036	chr16	54999273	54999811	34531	exon (NM_001082926, exon 2 of 2)	NM_001082926	si:ch211-107n13.	6.597737542	5.328776553	1.268960989	0.006917
peak_28888	chr19	37003992	37004652	-5301	Intergenic	NM_001102676	anln	7.636567454	6.367614873	1.268952581	0.00146
peak_35540	chr16	10287933	10288286	-324280	Intergenic	NM_001289913	cobl	6.349345786	5.080404663	1.268941124	0.007744
peak_31338	chr2	39372077	39372852	7561	intron (NM_001256642, intron 1 of 2)	NM_001256642	spsb4a	6.968488774	5.700002259	1.268486515	0.002874
peak_41565	chr5	6012664	6013200	258035	Intergenic	NM_205570	zgc:73226	6.414850683	5.146683234	1.268167449	0.023179
peak_36414	chr25	19691015	19692077	222	intron (NM_213101, intron 1 of 4)	NM_213101	hapln3	8.249040682	6.980956351	1.268084332	0.009364
peak_43348	chr11	6724158	6724749	-177263	Intergenic	NM_001017761	rab3ab	7.809013942	6.541017942	1.267995999	0.030226
peak_25100	chr25	5183229	5183800	-18937	Intergenic	NM_001077725	athl1	9.426142174	8.158593647	1.267548528	0.000402
peak_28457	chr10	23217046	23217983	39873	Intergenic	NM_001008605_1	zgc:103508	8.856467576	7.589033945	1.267433631	0.001272
peak_32766	chr8	15664017	15664594	14976	intron (NM_001113620, intron 2 of 10)	NM_001113620	bcar3	6.444495081	5.177214227	1.267280855	0.004138
peak_42500	chr5	8510328	8510842	14159	intron (NM_001258223, intron 3 of 8)	NM_001258223	opn4xb	4.7624945	3.495368526	1.267125974	0.026432
peak_43825	chr15	18576071	18576270	-780	promoter-TSS (NM_001002587)	NM_001002587	lim2.3	5.284661742	4.017715791	1.266945951	0.032272
peak_34276	chr25	34001888	34002749	21	promoter-TSS (NR_030102)	NR_030102		7.843189821	6.576306748	1.266883073	0.00587
peak_29517	chr17	51160526	51161556	66824	Intergenic	NM_131342	bmp4	8.170151768	6.903434984	1.266716784	0.001767
peak_27019	chr3	34368275	34369106	49337	Intergenic	NM_213197	znf207a	8.330297903	7.06364052	1.266657383	0.000781
peak_33713	chr21	25128738	25129277	7170	Intergenic	NM_131764	cldnc	5.612470073	4.346016284	1.266453789	0.005166
peak_27622	chr20	15343868	15344607	173892	Intergenic	NM_200805	prdx6	7.745841649	6.479604299	1.26623735	0.000966
peak_31945	chr18	2013465	2013951	161004	Intergenic	NM_207073	relt	8.424955477	7.158821464	1.266134012	0.00338
peak_40623	chr2	59610330	59611239	-8017	intron (NM_212882_1, intron 7 of 9)	NM_001130633	prkab2	7.043912134	5.778782975	1.26512916	0.019994
peak_25063	chr23	5565226	5565895	83779	Intergenic	NM_001030219	smpd2a	9.443429183	8.178328774	1.265100409	0.000397
peak_43719	chr1	47278193	47279632	50964	Intergenic	NM_001278811	si:ch73-160h15.3	4.544684847	3.280171213	1.264513635	0.031838
peak_35097	chr2	7066081	7066385	70464	Intergenic	NM_001271291	agrp2	5.486884036	4.222589565	1.264294471	0.007027
peak_39884	chr8	412023	413186	8694	exon (NM_200136, exon 13 of 25)	NM_200136	hsd17b4	7.40239079	6.138169734	1.264221056	0.017657
peak_30768	chr15	40653973	40654931	156599	Intergenic	NM_001007768	farsb	7.679031491	6.414820769	1.264210722	0.002466
peak_24800	chr24	7500993	7501783	-66071	Intergenic	NM_001089556	actr3b	10.29834663	9.03454085	1.263805779	0.00036
peak_35377	chr20	43200981	43201358	55941	Intergenic	NM_001039620	dusp23a	5.657260644	4.393507016	1.263753628	0.007455
peak_32301	chr4	48659378	48660145	874177	Intergenic	NM_001122615	zgc:174646	6.942921809	5.679199981	1.263721828	0.003689
peak_34752	chr3	40575632	40576210	4692	intron (NM_001076560, intron 1 of 4)	NM_001076560	fscn1a	7.316668807	6.053164734	1.263504073	0.00649
peak_32440	chr23	10353866	10355297	5888	Intergenic	NM_200080	krt8	8.367605272	7.104277648	1.263327624	0.003828
peak_34620	chr9	37339103	37339429	384677	Intergenic	NM_131690	atp1a1b	6.146230561	4.882972286	1.263258275	0.00634
peak_27551	chr14	7887808	7888472	15507	TTS (NM_001014305)	NM_001014305	zgc:110843	7.9981853	6.735296999	1.262888302	0.000943
peak_34580	chr4	15247821	15248121	-58160	Intergenic	NM_001044757	atp2b1a	6.312379068	5.049573157	1.262805911	0.006302
peak_37153	chr23	12681498	12681945	-121793	Intergenic	NM_001077368	snx21	5.355802914	4.093187266	1.262615648	0.010893
peak_32804	chr19	24590261	24590631	20641	Intergenic	NM_200365	zgc:64022	6.03165844	4.769055069	1.26260337	0.004177
peak_41444	chr8	43413767	43414302	-78513	Intergenic	NM_200578	arpc5la	6.060662115	4.798192084	1.262470031	0.022759
peak_29718	chr16	1318967	1319821	210624	Intergenic	NM_178222	sim1a	8.314728667	7.052335498	1.262393169	0.001868
peak_32646	chr3	43234520	43235244	6037	intron (NM_200517, intron 4 of 8)	NM_200517	zfand2a	7.751788053	6.48943171	1.262356343	0.004027
peak_29031	chr14	33552051	33552488	-67052	Intergenic	NM_001039135	inppl1b	7.508835131	6.24662192	1.262213211	0.001525
peak_40041	chr14	38255800	38256208	49105	Intergenic	NM_001048055	lect2l	5.147781807	3.885654185	1.262127622	0.01813
peak_39917	chr21	31806234	31806513	50572	Intergenic	NR_120380		5.543271134	4.281262439	1.262008695	0.017748
peak_37675	chr6	59539507	59540749	-18871	intron (NM_001142376, intron 12 of 16)	NM_130941	pl10	7.269192837	6.007566461	1.261626376	0.011991
peak_29268	chr20	1779962	1780547	11231	intron (NM_001278799, intron 1 of 49)	NM_001278799	lama2	7.889181993	6.627663277	1.261518716	0.001646
peak_30873	chr16	47540730	47541373	27645	Intergenic	NM_001007425	zgc:101716	6.6365739	5.375156691	1.261417209	0.002541
peak_34989	chr7	19365418	19365825	-13900	Intergenic	NM_001099228	cd248a	6.577595044	5.316218308	1.261376736	0.00685
peak_26860	chr9	56743210	56745241	25116	intron (NM_001004496, intron 17 of 22)	NM_001004496	ofd1	8.827900258	7.566782184	1.261118074	0.000743
peak_32286	chr18	8063330	8063600	-18955	Intergenic	NM_001128535	si:ch211-220f12.	6.129961319	4.869079934	1.260881385	0.00368
peak_31272	chr9	44998168	44998539	127160	Intergenic	NM_200921	ube2e3	7.095245478	5.834622458	1.26062302	0.002823
peak_41013	chr16	19072600	19072920	33270	Intergenic	NM_001003432	rpl18	5.813539483	4.553105712	1.26043377	0.02136
peak_34708	chr21	15617144	15617551	54284	exon (NM_001030277, exon 19 of 19)	NM_001030277	atp2a2b	6.105865413	4.845508669	1.260356745	0.006441
peak_26926	chr16	35041056	35041853	-2235	Intergenic	NM_001200014	si:dkey-165n16.1	8.326524052	7.066202686	1.260321366	0.00076
peak_33372	chr12	45853258	45853825	-23760	Intergenic	NM_001202472	LOC100006246	6.114776105	4.854562355	1.26021375	0.004785
peak_38079	chr11	44228762	44229749	-38634	Intergenic	NM_212914	foxg1b	7.456590791	6.196452277	1.260138514	0.012945
peak_39648	chr6	54806247	54806684	-6757	Intergenic	NM_001008613	tnni1b	6.657030092	5.396906953	1.260123139	0.016995
peak_34949	chr7	68942299	68942659	170832	Intergenic	NM_200672	swap70a	6.687726337	5.427660104	1.260066233	0.006792
peak_31636	chr2	59609255	59610019	-9164	intron (NM_212882_1, intron 7 of 9)	NM_001130633	prkab2	7.157842416	5.897823784	1.260018632	0.003114
peak_25867	chr17	37008749	37009887	-23624	Intergenic	NM_001004110	myo6b	9.495337671	8.235331494	1.260006177	0.000525
peak_33993	chr20	993634	994142	-60686	intron (NM_212867, intron 13 of 15)	NM_212820	cnr1	6.990308607	5.730436016	1.259872591	0.005517
peak_25484	chr9	18363450	18364328	-64251	Intergenic	NM_001128338	vwa8	9.186538181	7.926756168	1.259782013	0.000462
peak_35219	chr14	14020504	14021032	-12206	Intergenic	NM_001159584	itln3	7.458224326	6.198507988	1.259716338	0.007207
peak_36817	chr18	8264792	8265126	-12244	Intergenic	NM_001002177	impdh1a	6.220534932	4.960844573	1.259690359	0.010147
peak_30326	chr14	38885941	38886505	679324	Intergenic	NM_001048055	lect2l	7.810293593	6.550887157	1.259406436	0.002212
peak_33556	chr10	42833133	42833447	-18357	Intergenic	NM_001002414	cabp1b	5.94918343	4.689862897	1.259320533	0.004973
peak_31365	chr3	43645087	43645533	11554	intron (NM_001002044, intron 1 of 2)	NM_001002044	mafk	6.131530147	4.872322923	1.259207224	0.002893
peak_41193	chr5	14230304	14230699	58461	Intergenic	NM_001003780	ypel1	6.289729102	5.030522705	1.259206397	0.021988
peak_31152	chr22	13302653	13303117	1138	intron (NM_131264, intron 1 of 10)	NM_131264	ahr2	7.00754788	5.748362604	1.259185276	0.002724
peak_32950	chr16	34480632	34481006	13713	Intergenic	NM_001008731	gprc6a	6.396668898	5.137579388	1.25908951	0.004352
peak_26063	chr25	17373999	17377378	-31633	Intergenic	NM_001089445	ccnd2a	10.59012135	9.331055912	1.259065436	0.000562
peak_41984	chr2	53254532	53254911	-75650	Intergenic	NM_001007773	gna11b	6.11604458	4.857202676	1.258841904	0.024596
peak_33321	chr16	52287413	52288113	240135	Intergenic	NM_001110524	brd2b	7.250774029	5.992087644	1.258686385	0.004724
peak_29642	chr14	44612104	44612853	203177	Intergenic	NM_001115099	pcdh18b	7.481343676	6.222731626	1.25861205	0.001827
peak_36455	chr6	5698742	5699029	466789	Intergenic	NM_001201446	rtn4a	5.899092613	4.640487602	1.258605011	0.009453
peak_42313	chr20	32549	32950	4873	intron (NM_001114452, intron 4 of 6)	NM_001114452	zgc:174972	5.724231595	4.465657801	1.258573794	0.025691
peak_41445	chr18	25474801	25475334	-61238	Intergenic	NM_001172661	si:ch211-39k3.2	6.259291276	5.000909787	1.258381489	0.022763
peak_40814	chr7	55180493	55180799	-44950	intron (NM_001008635, intron 4 of 11)	NM_200845	rps17	6.3963927	5.138044054	1.258348646	0.020617
peak_39226	chr2	37874059	37874685	10296	intron (NM_194414, intron 1 of 9)	NM_194414	mmp14b	6.557359935	5.299016218	1.258343717	0.015884
peak_29324	chr24	29779464	29779989	36050	intron (NM_001083844, intron 4 of 65)	NM_001083844	col11a1a	6.838389091	5.580067847	1.258321244	0.001676
peak_41309	chr15	19096434	19096757	-9789	Intergenic	NM_001083838	med13b	6.454099926	5.195952151	1.258147775	0.02234
peak_39152	chr19	1747901	1748415	-2742	Intergenic	NM_200877	zgc:63520	5.265322777	4.007240821	1.258081956	0.015682
peak_41673	chr5	28865646	28866032	-183656	Intergenic	NM_194391	hdr	6.24745839	4.989725159	1.257733232	0.023543
peak_30373	chr1	4605360	4606075	15948	intron (NM_212965, intron 1 of 14)	NM_212965	nrp2a	8.488847318	7.231456004	1.257391314	0.002235
peak_36314	chr7	29994277	29994693	-16679	Intergenic	NM_001020474	slc7a6	6.905190833	5.647900044	1.257290789	0.009165
peak_35826	chr20	47967731	47968198	-85900	Intergenic	NM_200967	efhc1	6.742040883	5.48476324	1.257277644	0.008246
peak_34522	chr6	45053567	45054409	-376467	Intergenic	NM_001080051	cntn4	7.49094442	6.233687585	1.257256835	0.006215
peak_30202	chr18	7196503	7197332	94141	Intergenic	NM_001044963	rabl2	7.272609449	6.015355364	1.257254086	0.002146
peak_35729	chr3	18401258	18402207	-58	promoter-TSS (NM_001114906)	NM_001114906	arhgap17b	7.83259692	6.575355508	1.257241412	0.008091
peak_37768	chr2	7288341	7288666	23681	intron (NM_194411, intron 5 of 10)	NM_194411	ripk2	6.210440976	4.953215406	1.257225569	0.012204
peak_39372	chr4	35858732	35867625	-299317	Intergenic	NM_001135989_1	zgc:174690	10.89858393	9.641421096	1.257162838	0.016263
peak_43653	chr18	33809718	33810155	57685	Intergenic	NM_001077275	zgc:153119	6.535219987	5.278113131	1.257106856	0.031477
peak_38787	chr1	40878918	40879332	-76211	Intergenic	NM_001077559	scoca	7.265171522	6.008165451	1.257006071	0.014726
peak_41442	chr6	30583379	30583770	187405	Intergenic	NM_001037669	insl5a	4.744515468	3.487925466	1.256590001	0.022749
peak_40052	chr16	50412083	50413433	-4983	Intergenic	NM_001002730	ica1	7.17716576	5.920622089	1.256543671	0.018162
peak_27924	chr8	56144709	56145614	-10796	Intergenic	NM_205697	plxnd1	10.16481709	8.908387076	1.256430016	0.001078
peak_30687	chr18	34922441	34923054	96	promoter-TSS (NM_001044331)	NM_001044331	siae	7.738327036	6.482103141	1.256223895	0.002417
peak_28011	chr8	19926457	19927614	-6941	3' UTR (NM_001004593, exon 3 of 3)	NM_001130076	colgalt2	9.225415369	7.969234302	1.256181067	0.001108
peak_36342	chr25	5817913	5818273	-24360	Intergenic	NM_001197316	plxnb2b	5.831819492	4.575853622	1.25596587	0.009214
peak_42957	chr9	41935940	41937153	10464	intron (NM_001077630, intron 4 of 8)	NM_001077630	pofut2	4.888347099	3.632680494	1.255666604	0.028397
peak_25763	chr15	40772696	40773297	38055	Intergenic	NM_001007768	farsb	8.769214982	7.513627637	1.255587345	0.000507
peak_39936	chr24	43210798	43211325	121542	Intergenic	NM_200379_1	xylb	4.418468701	3.163063673	1.255405029	0.017838
peak_42745	chr16	15138468	15138715	-37364	Intergenic	NM_001007444	zgc:101640	5.69177286	4.436574427	1.255198434	0.027464
peak_42997	chr25	3650459	3650912	13899	Intergenic	NM_001128814	zgc:194202	4.647644343	3.392543405	1.255100938	0.028635
peak_42064	chr7	68026540	68026915	-48297	Intergenic	NM_178300	arntl1b	6.085537276	4.830457714	1.255079562	0.024869

peak_36809	chr1	30712337	30712698	45031	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	6.109035543	4.854045334	1.254990209	0.010131
peak_30299	chr8	41627199	41627760	41	promoter-TSS (NM_214713)	NM_214713	prkab1b	6.987365927	5.732449579	1.254916348	0.002192
peak_32630	chr11	37466910	37467304	-151295	Intergenic	NM_001005312	parapinopsinb	5.886490046	4.631807334	1.254682712	0.004009
peak_31570	chr13	31688219	31688955	5387	intron (NM_001029967, intron 1 of 8)	NM_001029967	rtn1a	8.400447697	7.146369525	1.254078172	0.00306
peak_30655	chr20	31511363	31512153	11450	intron (NM_001044819, intron 1 of 19)	NM_001044819	sash1a	8.425459689	7.171394969	1.254064719	0.0024
peak_37933	chr23	39300029	39300446	84044	Intergenic	NM_001045224	bmf1	6.31764192	5.063640911	1.254001009	0.012579
peak_31706	chr10	109636	110425	-7075	intron (NM_001102623, intron 1 of 7)	NM_001008616	erg	7.669744154	6.416118838	1.253625316	0.003176
peak_35237	chr20	33412169	33412479	78960	Intergenic	NM_212614	mycn	5.876398609	4.623008872	1.253389737	0.007244
peak_36525	chr4	30023953	30024409	77753	intron (NM_001114702, intron 6 of 9)	NM_001114702	zgc:174710	5.918166654	4.664843895	1.253322759	0.009596
peak_32329	chr1	56643771	56644144	-17145	Intergenic	NM_001008582	zgc:103710	6.274172697	5.020919831	1.253252866	0.003721
peak_39232	chr13	2068707	2069205	19237	intron (NM_001013445, intron 1 of 12)	NM_001013445	lrrc1	6.809798036	5.556643374	1.253154662	0.015908
peak_30993	chr2	22806306	22807521	-2185	Intergenic	NM_131213	rnf2	7.939959852	6.686989574	1.252970278	0.002613
peak_34790	chr1	58263180	58263537	-167959	Intergenic	NM_001113805_2	sc:d0284	6.394564553	5.142343503	1.25222105	0.006545
peak_32271	chr15	32227648	32228762	87771	Intergenic	NM_199743	zgc:73340	7.867826059	6.615737194	1.252088866	0.003664
peak_41226	chr6	20160484	20160872	49400	Intergenic	NM_001077314	dr1	6.334935415	5.082976312	1.251959103	0.022102
peak_40100	chr19	44976546	44977003	32453	Intergenic	NM_001045090	si:ch211-199g17.	5.390346633	4.138505512	1.251841121	0.018315
peak_33836	chr1	30161391	30161855	-7070	Intergenic	NM_001017795	eef1a1b	7.162471858	5.910902926	1.251568933	0.0053
peak_27779	chr21	3684971	3685889	3939	intron (NM_175082, intron 2 of 3)	NM_175082	smad7	8.82799984	7.576459364	1.251540476	0.001024
peak_36818	chr24	16966925	16967211	-129043	Intergenic	NM_001271670	sema5a	5.766538874	4.515142835	1.251396039	0.010151
peak_40089	chr24	35995955	35996337	29234	intron (NM_131456, intron 6 of 17)	NM_131456	ctnna1	5.3940418	4.142661548	1.251380251	0.018281
peak_37439	chr5	3912430	3913094	3960	intron (NM_001045388, intron 2 of 6)	NM_001045388	rpain	7.05539196	5.804347528	1.251044433	0.011525
peak_31792	chr9	57691601	57691972	43665	intron (NM_200682_1, intron 2 of 4)	NM_200682_1	akap17a	6.881080153	5.630180719	1.250899434	0.003258
peak_39958	chr21	43633593	43634460	39478	intron (NM_001012389, intron 2 of 10)	NM_001012389	tcf7	6.265036928	5.014245115	1.250791813	0.017922
peak_32267	chr14	11377227	11377669	-216610	Intergenic	NM_001020678	zgc:112315	7.637580811	6.386809382	1.250771429	0.00366
peak_36961	chr12	19875136	19875967	48889	Intergenic	NM_200208	desi1b	7.495473731	6.244836626	1.250637105	0.010496
peak_32917	chr10	44550265	44551083	34978	intron (NM_001037124, intron 5 of 6)	NM_001037124	atg10	5.833362681	4.582731073	1.250631608	0.004307
peak_30803	chr24	20141290	20141859	73571	Intergenic	NM_001003846	sulf1	6.784446656	5.533867036	1.25057962	0.002493
peak_28189	chr18	8615707	8616392	-20332	Intergenic	NM_131048	sema3d	7.743580515	6.493188821	1.250391694	0.001173
peak_40482	chr8	3944902	3945219	100767	Intergenic	NM_001003548	rab35b	5.630360448	4.380262311	1.250098137	0.019528
peak_41693	chr18	48810571	48810971	-16779	Intergenic	NM_001045317	mob2b	5.834926691	4.585084874	1.249841817	0.023611
peak_36889	chr22	18900166	18900483	70271	Intergenic	NM_207052	midn	5.84531137	4.595801553	1.249509817	0.010328
peak_39561	chr7	29489640	29489987	-5250	Intergenic	NM_173219	lmo1	6.037045147	4.787699029	1.249346118	0.016791
peak_43160	chr14	18342030	18342373	127139	intron (NM_001166332, intron 3 of 4)	NM_001166332	nlgn3a	5.217566349	3.968227466	1.249338883	0.029334
peak_30997	chr14	53343943	53344683	22593	Intergenic	NM_001006038	atpv0e1	8.179371277	6.930152553	1.249218725	0.002616
peak_30044	chr17	19572677	19573338	112582	Intergenic	NM_001002541	rgs7	7.317909496	6.068723583	1.249185913	0.002049
peak_38777	chr4	43350545	43350864	-1630911	Intergenic	NM_001114884	zgc:174696	5.153970164	3.905015262	1.248954903	0.014697
peak_34350	chr19	14040099	14040421	34216	Intergenic	NM_001045170	fam46bb	6.680658572	5.431752253	1.248906319	0.005984
peak_39283	chr5	288077	288853	-37960	Intergenic	NM_214750	rnf170	6.280158935	5.031403357	1.248755578	0.016029
peak_36947	chr7	4345821	4346896	-49777	Intergenic	NM_200993	zgc:55733	8.061001067	6.81251779	1.248483277	0.010446
peak_38488	chr11	32177650	32178346	-27572	Intergenic	NM_001201559	im:7137555	6.663346902	5.414878105	1.248468797	0.013964
peak_34519	chr24	1200033	1201274	-56207	intron (NM_181497, intron 8 of 16)	NM_001034971	itgb1a	8.248751589	7.000434869	1.24831672	0.006211
peak_33344	chr14	5076728	5076970	-315176	Intergenic	NM_001007134	lbx2	6.079697909	4.831526521	1.248171387	0.004758
peak_34294	chr11	17817140	17817486	396203	Intergenic	NM_001077273	fam19a4b	6.284960178	5.036970302	1.247989877	0.005894
peak_26323	chr22	37284288	37286097	179744	Intergenic	NM_001202416	terf2ip	10.57469194	9.326817676	1.247874266	0.000615
peak_24773	chr5	1871702	1873353	37189	Intergenic	NM_200293_1	ddrgk1	10.62814192	9.38033281	1.247809109	0.000356
peak_32860	chr18	1483407	1484686	213651	Intergenic	NM_001030257	rab27a	9.379182	8.132337148	1.246844852	0.004238
peak_41541	chr2	59807703	59808201	-65309	intron (NM_212882_1, intron 8 of 9)	NM_001017839	stk11	5.576416744	4.329674222	1.246742521	0.02306
peak_38111	chr14	28200489	28200836	389569	Intergenic	NM_001110457	klhl4	6.517034455	5.271032432	1.246002023	0.013023
peak_26053	chr22	11291846	11293188	38214	intron (NM_205626, intron 8 of 12)	NM_205626	bcor	10.51342202	9.267568075	1.245853948	0.00056
peak_27857	chr5	50010357	50011127	32194	intron (NM_001130962, intron 2 of 8)	NM_001130962	mef2cb	8.30947133	7.063835087	1.245636242	0.00105
peak_37239	chr7	58582096	58582766	-94841	Intergenic	NM_001012618	drd4b	6.605009688	5.359855859	1.245153829	0.011094
peak_31229	chr16	30484400	30484791	-13756	Intergenic	NM_001077756	fam188a	6.330024643	5.084965549	1.245059094	0.002789
peak_30865	chr10	13360096	13360752	41	promoter-TSS (NM_001113499)	NM_001113499	il11ra	8.73890222	7.493976872	1.244925348	0.002536
peak_39656	chr2	7054301	7054667	-60257	Intergenic	NM_001100072	LOC100001550	6.173040427	4.928473667	1.244566761	0.017008
peak_38950	chr17	52662506	52662856	-42236	Intergenic	NM_194386	tgfb3	5.585629356	4.341124376	1.24450498	0.015139
peak_39807	chr14	3027412	3027996	30705	intron (NM_001024201_1, intron 1 of 2)	NM_001024201_1	pcdh2g29	6.326193564	5.081778608	1.244414956	0.017411
peak_33513	chr15	26456548	26457249	180066	intron (NM_200622, intron 22 of 24)	NM_200622	bcas3	6.802702818	5.558344905	1.244357914	0.004938
peak_33063	chr4	1276676	1277499	3181	intron (NM_001003981, intron 1 of 4)	NM_001003981	ptn	7.735853838	6.491528931	1.244324907	0.004467
peak_43858	chr16	50940156	50940545	300776	Intergenic	NM_001013336	slc25a32b	6.181564593	4.937252944	1.244311648	0.032382
peak_34535	chr13	36270466	36270851	12596	intron (NM_001290348, intron 2 of 2)	NM_001290348	kcnk1b	6.057364506	4.813163694	1.244200812	0.006231
peak_28468	chr18	8329181	8330700	-36523	Intergenic	NM_001201568	si:dkey-5i3.5	8.624011923	7.379923671	1.244088252	0.001275
peak_42746	chr2	55298989	55299378	15812	intron (NM_200150, intron 1 of 8)	NM_200150	ankrd12	6.79540925	5.551327051	1.244082199	0.02747
peak_30827	chr4	17659756	17660464	3625	TTS (NM_001013268)	NM_001013268	cdkn1ba	8.020246447	6.776304466	1.243941981	0.002511
peak_38443	chr9	11828736	11829155	-1009	Intergenic	NR_030651		6.114141449	4.870215759	1.24392569	0.013876
peak_39866	chr10	97514	97906	2077	intron (NM_200663, intron 2 of 8)	NM_200663	tiprl	5.011652845	3.76784571	1.243807134	0.017596
peak_43907	chr10	35208987	35209373	89016	intron (NM_001114706_1, intron 3 of 6)	NM_001114706_1	zgc:174193	5.71374782	4.470204277	1.243543543	0.032584
peak_36927	chr4	38060098	38060651	124099	Intergenic	NM_001114900	zgc:174708	5.684498737	4.441023849	1.243474888	0.010398
peak_37248	chr3	30323508	30323902	13710	intron (NM_001024394, intron 12 of 15)	NM_001024394	tbc1d17	6.548710264	5.305846748	1.242863516	0.011106
peak_28102	chr18	33102722	33103745	161487	Intergenic	NM_001045019	tiparp	8.528119078	7.285835251	1.242283827	0.00114
peak_36438	chr24	4814426	4814726	30828	Intergenic	NM_001110021	cpb1	5.974290977	4.732509457	1.241781519	0.00942
peak_32233	chr25	24956365	24956881	14735	Intergenic	NM_001159971	spty2d1	6.552215014	5.310549917	1.241665097	0.003628
peak_41178	chr8	17494160	17494644	92326	Intergenic	NM_001002530	rab3c	6.440450382	5.198847952	1.24160243	0.021932
peak_31006	chr17	29089191	29089646	89029	Intergenic	NM_131067	foxg1a	7.10569648	5.864147223	1.241549257	0.00262
peak_30483	chr22	32861009	32861965	124536	intron (NM_199663, intron 4 of 17)	NM_199663	add3a	8.344869963	7.103324677	1.241545286	0.002303
peak_42870	chr3	15726219	15726557	3408	intron (NM_212636, intron 1 of 6)	NM_212636	lasp1	5.341744134	4.10048625	1.241257883	0.028003
peak_33476	chr3	5863342	5864413	11307	3' UTR (NM_205641, exon 4 of 5)	NM_205641	txn2	7.603195085	6.361944137	1.241250948	0.004892
peak_42202	chr13	32580887	32581662	-88497	Intergenic	NM_001089444	nt5c1ba	7.595251638	6.354035274	1.241216364	0.025328
peak_37096	chr12	5474628	5475149	27578	intron (NM_001282153, intron 15 of 27)	NM_001282153	trpm4c	6.461353832	5.220269653	1.241084179	0.010768
peak_28793	chr13	8978124	8978690	53587	Intergenic	NM_212946	wdr32	7.97181541	6.73073333	1.24108208	0.001415
peak_43115	chr7	8101501	8101796	124752	Intergenic	NM_001007772	zgc:101810	5.695595968	4.454604009	1.240991959	0.029071
peak_36953	chr9	57435880	57436120	47591	Intergenic	NM_001166337	nlgn4b	5.860927687	4.619935805	1.240991883	0.010467
peak_29489	chr8	11590073	11590588	-4569	3' UTR (NM_131145, exon 5 of 5)	NM_200893	ampd1	7.987982368	6.747180616	1.240801751	0.001751
peak_31350	chr19	6354261	6355047	-32079	Intergenic	NM_001177451	zgc:174904	7.272885509	6.032241902	1.240643606	0.002885
peak_35414	chr6	55076605	55077249	71520	Intergenic	NM_001100137	mybphb	7.169064957	5.928500567	1.24056439	0.007523
peak_40519	chr4	8038347	8038731	40919	intron (NM_001260500, intron 4 of 20)	NM_001260500	scube1	5.806069786	4.565602622	1.240467164	0.019664
peak_34843	chr15	4141878	4142336	138674	Intergenic	NM_131670	atp1b3b	6.91434402	5.673956797	1.240387223	0.006622
peak_37000	chr2	18495098	18495691	2059	TTS (NM_001122714)	NM_001122714	si:dkey-236a14.5	5.068564868	3.828194966	1.240369902	0.010569
peak_29923	chr22	14411464	14412032	150542	Intergenic	NM_199708	bzw1a	8.013345741	6.773028397	1.240317344	0.00198
peak_30102	chr11	29334176	29334789	156966	Intergenic	NM_001006070	dhrs3b	7.298874392	6.058568063	1.240306329	0.002081
peak_34020	chr24	31249774	31251808	12700	TTS (NM_001002452)	NM_001002452	acp5b	8.611098315	7.370795524	1.240302791	0.005545
peak_34661	chr2	33769811	33770212	19882	intron (NM_201074, intron 3 of 11)	NM_201074	eif2b3	6.71377226	5.473909297	1.239862963	0.006399
peak_30406	chr17	17691691	17692496	57188	Intergenic	NM_001020619	sptlc2a	8.115167997	6.87556662	1.239601378	0.002255
peak_40944	chr18	38766004	38766369	-2725	exon (NM_001045386, exon 2 of 2)	NM_001128714	ugt5c3	5.659846816	4.420726563	1.239120252	0.021106
peak_36690	chr8	41322073	41322380	5720	intron (NM_001083829_1, intron 3 of 4)	NM_001083829_1	pcsk5b	5.951316924	4.712230195	1.239086729	0.00989
peak_35276	chr18	42909427	42910104	33773	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	7.78113457	6.542119385	1.239015185	0.007295
peak_42320	chr4	3466348	3466630	139919	Intergenic	NM_200436	znf800b	5.94918343	4.710352623	1.238830807	0.025707
peak_34452	chr4	39935484	39935953	553941	Intergenic	NM_001109839	zgc:173617	5.510282977	4.271467547	1.238815431	0.006125
peak_35348	chr17	2107246	2107950	9548	intron (NM_001163923, intron 2 of 5)	NM_001163923	ccbe1	7.294646867	6.055946608	1.238700258	0.007405
peak_39651	chr3	7255716	7256289	286029	Intergenic	NM_205613	hn1b	6.018112911	4.779550157	1.238562754	0.017002
peak_32889	chr18	10294456	10294857	-83041	Intergenic	NM_001020699	ttc38	7.041391262	5.802875066	1.238516196	0.004265
peak_36520	chr7	24064947	24065365	58725	Intergenic	NM_131843	tnfsf10l	6.243947774	5.005686197	1.238261577	0.009592
peak_27472	chr19	43807814	43808707	3823	intron (NM_001045041, intron 1 of 5)	NM_001045041	si:ch211-191i18.2	8.135297514	6.897084209	1.238213305	0.000916
peak_28386	chr16	13530821	13531321	-1550	Intergenic	NM_201058	pafah1b3	7.236239914	5.998083415	1.238156498	0.001243
peak_37856	chr17	27618333	27618799	38834	intron (NM_131224, intron 2 of 7)	NM_131224	qkia	5.51076527	4.273193701	1.237571569	0.012426
peak_30776	chr7	75972449	75973117	250147	Intergenic	NM_001077468	mrpl21	7.67870335	6.441329987	1.237373363	0.002469

peak_35278	chr10	40122016	40122446	6290	intron (NM_001030224, intron 1 of 32)	NM_001030224	dscama	6.710614716	5.473311799	1.237302917	0.0073
peak_42370	chr12	35087395	35088095	-10494	Intergenic	NM_001014355	tdrkh	6.585629356	5.348478351	1.237151005	0.025922
peak_39058	chr14	51609688	51610389	-31632	intron (NM_001002038, intron 18 of 19)	NM_001079952	tnip1	6.477524484	5.24078459	1.236739894	0.015412
peak_40478	chr9	35055069	35055571	-5140	Intergenic	NM_001007198	ccdc80	5.449046535	4.212372739	1.236673796	0.019517
peak_38804	chr21	24677373	24677683	-4652	3' UTR (NM_131756, exon 11 of 11)	NM_199937	ppme1	5.282403856	4.046521183	1.235882673	0.014786
peak_40297	chr10	871068	871503	-114507	Intergenic	NM_001099984_1	unc5c	5.618300328	4.382439579	1.235860749	0.018926
peak_40058	chr18	19230494	19231139	6096	intron (NM_213419, intron 9 of 10)	NM_213107	rpl4	6.593190371	5.357339691	1.23585068	0.018184
peak_32511	chr13	27980242	27980688	-12361	Intergenic	NM_001013529	asrgl1	6.917621183	5.681882356	1.235738827	0.003901
peak_40474	chr23	18671405	18672276	67400	Intergenic	NM_001004295	sps2	4.335768134	3.100030293	1.235737841	0.019507
peak_26757	chr11	42183121	42184147	20783	Intergenic	NM_001007408	ccdc114	8.54338212	7.307967905	1.235414215	0.000717
peak_40518	chr15	39514026	39514478	-39111	Intergenic	NM_131395	mtnr1ba	6.047426214	4.812332059	1.235094155	0.019657
peak_40616	chr3	19185172	19185631	4895	exon (NM_001024440, exon 6 of 6)	NM_001007316	s1pr5a	6.317382336	5.082468598	1.234913738	0.019978
peak_30944	chr22	38829334	38829654	437849	Intergenic	NM_001113587	hykk.2	6.592734865	5.357847782	1.234887083	0.002585
peak_30983	chr8	3658751	3659287	-26049	Intergenic	NM_001017772	zgc:112433	8.097820528	6.863816197	1.23400433	0.002608
peak_25888	chr9	7714482	7715688	287	intron (NM_001003558, intron 1 of 3)	NM_001003558	tuba8l3	9.159700012	7.925732493	1.233967519	0.00053
peak_43135	chr1	6462977	6463362	8220	intron (NM_001128672, intron 1 of 11)	NM_001128672	mxb	4.065285294	2.831576336	1.233708958	0.029186
peak_37589	chr7	14169691	14170121	19885	Intergenic	NM_001082864	sdhaf2	6.024901573	4.791278648	1.233622925	0.011828
peak_28712	chr1	46428603	46430105	227	exon (NM_001008624, exon 1 of 21)	NM_001008624	arhgef7b	8.67245671	7.439045829	1.233410881	0.001373
peak_37878	chr12	18583742	18583989	-23494	Intergenic	NM_201100	minpp1b	5.781828232	4.548857537	1.232970695	0.012468
peak_37388	chr4	53810167	53810625	-210748	Intergenic	NM_001109740	zgc:173619	5.31982931	4.086960684	1.232868626	0.011409
peak_33509	chr20	14647330	14647746	-51923	Intergenic	NM_001030116	scrn2	6.306835459	5.073992357	1.232843102	0.004935
peak_38224	chr4	37982958	37983291	201349	Intergenic	NM_001114900	zgc:174708	4.983354802	3.750598818	1.232755984	0.013329
peak_26594	chr9	13575232	13576018	55644	Intergenic	NM_131139	fzd7a	9.29242093	8.059959546	1.232461384	0.000674
peak_28376	chr19	23699318	23700180	36318	intron (NM_001004287, intron 3 of 16)	NM_001004287	grb10a	8.494488031	7.262032093	1.232455939	0.001239
peak_35140	chr7	7109007	7109381	-146745	Intergenic	NM_207100		6.114141449	4.881812719	1.23232873	0.007095
peak_33669	chr6	16092572	16093120	143858	Intergenic	NM_152964	gbx2	7.979270784	6.747290326	1.231980458	0.005119
peak_27381	chr7	57503017	57503871	141591	Intergenic	NM_212606	cdh15	7.821239678	6.589569478	1.2316702	0.000886
peak_32033	chr16	34897061	34897467	-7	promoter-TSS (NM_001007315)	NM_001007315	fbxl4	7.452587231	6.221176187	1.231411044	0.003454
peak_24696	chr23	44541151	44543704	-12603	Intergenic	NM_200759	eif4e2rs1	10.7049235	9.473533506	1.231389995	0.000344
peak_30393	chr21	23813810	23814613	-1049	Intergenic	NM_001004630	sc5d	7.779834616	6.548457638	1.231376978	0.002243
peak_35005	chr7	14980278	14980702	-108201	intron (NM_001045106, intron 3 of 15)	NM_001199869	fes	6.681288895	5.450250867	1.231038028	0.006872
peak_32259	chr24	10627898	10629793	40705	intron (NM_207078, intron 2 of 10)	NM_207078	fam49bb	9.831975495	8.601130972	1.230844523	0.003651
peak_36948	chr11	41836791	41837236	58036	intron (NM_001080674, intron 3 of 5)	NM_001080674	trim62	5.336856522	4.106021674	1.230834848	0.010446
peak_36494	chr20	7739861	7740191	-22041	Intergenic	NM_001033101	bloc1s2	6.263892965	5.033218785	1.230674181	0.009532
peak_37889	chr5	12389081	12389653	-98185	Intergenic	NM_001195784	fep15	7.217262258	5.986641865	1.230620394	0.012481
peak_33945	chr5	3155546	3156088	-992	promoter-TSS (NR_030090)	NR_030090		7.641439946	6.410963395	1.230476551	0.005463
peak_41263	chr12	41921526	41921799	-1208081	Intergenic	NM_212880	zgc:76887	4.715422541	3.48494746	1.230475081	0.022223
peak_32258	chr4	24149707	24150362	1609	exon (NM_131211, exon 2 of 6)	NM_131211	gata3	6.93267898	5.702388461	1.230290519	0.003651
peak_28148	chr2	59289888	59290890	43951	intron (NM_001002546, intron 4 of 5)	NM_001002546	vapal	10.94209184	9.711872974	1.230218867	0.001158
peak_29935	chr25	23671715	23672309	-59197	Intergenic	NM_001002364	mob2a	7.515218853	6.285302977	1.229915876	0.001985
peak_34379	chr7	834398	834713	-4503	intron (NM_200561_1, intron 5 of 5)	NM_001114746	zgc:175177	5.938805923	4.70899284	1.229813083	0.006019
peak_32137	chr11	32197381	32198341	-7709	Intergenic	NM_001201559	im:7137555	6.835311813	5.605512567	1.229799246	0.003528
peak_33409	chr14	47217299	47218344	135827	intron (NM_001076572, intron 1 of 9)	NM_001076572	atp8a1	7.879389575	6.649879038	1.229510536	0.004833
peak_31059	chr24	4599616	4600116	-71908	Intergenic	NM_130918	fzd8a	7.3308363	6.101488133	1.229348167	0.002657
peak_37400	chr3	13178802	13179341	-29663	Intergenic	NR_045224_1		6.57480318	5.345630672	1.229172508	0.011437
peak_31269	chr2	18070435	18071084	81968	intron (NM_212893, intron 9 of 20)	NM_212893	dpydb	7.486285386	6.257186443	1.229098943	0.002821
peak_33994	chr3	62136065	62136662	12875	intron (NM_001013547, intron 6 of 7)	NM_001017830_1	baiap2l1b	7.679359557	6.450338008	1.229021549	0.005517
peak_36507	chr1	15152453	15152850	-16376	Intergenic	NM_001037103	fgf20a	6.444495081	5.215477805	1.229017276	0.00956
peak_43763	chr24	31595973	31596805	-82466	Intergenic	NM_001013562	ptbp2a	6.79696879	5.568046451	1.228922338	0.032044
peak_35694	chr20	31646300	31646547	-123215	Intergenic	NM_001044819	sash1a	5.655055289	4.426168401	1.228886888	0.008012
peak_35928	chr9	34313537	34314057	13278	exon (NM_001077449, exon 2 of 45)	NM_001077449	usp9	6.555738538	5.326857056	1.228881482	0.0084
peak_29711	chr2	5436053	5436849	174	exon (NM_200475, exon 1 of 13)	NM_200475	slc35d1b	7.970423731	6.741611257	1.228812474	0.001864
peak_39762	chr1	11157281	11157741	8534	intron (NM_001008591_1, intron 3 of 8)	NM_001008591_1	tspan5b	5.32699939	4.098365426	1.228633964	0.017288
peak_34606	chr9	34527838	34528274	-17160	Intergenic	NM_152941	caska	6.78604133	5.55769986	1.22834147	0.006327
peak_25818	chr16	55048035	55049626	-14757	Intergenic	NM_001082926	si:ch211-107n13.	10.11505021	8.886908813	1.228141397	0.000516
peak_43898	chr16	56304819	56305383	31903	Intergenic	NM_001017568	azin1a	6.17946039	4.951518311	1.227942079	0.032555
peak_38162	chr9	44381980	44382409	-96094	intron (NM_212793, intron 3 of 8)	NM_182881	sestd1	6.315142905	5.087286762	1.227856143	0.013173
peak_39216	chr3	47647322	47647886	246	intron (NM_199868, intron 1 of 21)	NM_199868	hgs	7.629707472	6.401916476	1.227790996	0.015861
peak_31477	chr25	32265178	32265564	1359	exon (NM_131262, exon 3 of 3)	NM_131262	myod1	6.473571459	5.245969003	1.227602456	0.002978
peak_31483	chr5	51741209	51741514	80186	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	6.146540944	4.919065459	1.227475485	0.00298
peak_28859	chr5	42941062	42941841	-144	promoter-TSS (NM_001100039)	NM_001100039	arid3a	8.631926021	7.404857503	1.227068518	0.001449
peak_40384	chr11	46565109	46566554	7169	intron (NM_001017575_1, intron 8 of 9)	NM_001017575_1	aspscr1	8.087159853	6.860426448	1.226733405	0.019194
peak_33971	chr1	18428170	18428588	36956	Intergenic	NM_001102393	tmem192	6.912337638	5.686298933	1.226038705	0.005493
peak_39836	chr23	2292593	2293062	-142503	Intergenic	NM_131230	tcp1	7.373723994	6.147831578	1.225892416	0.01753
peak_36129	chr14	550063	550508	-13012	intron (NM_212882, intron 9 of 12)	NM_212823	fgf2	6.208623771	4.982966487	1.225657283	0.008792
peak_41741	chr21	42202461	42203060	4511	intron (NM_001042696, intron 1 of 6)	NM_001042696	pdlim4	6.253251267	5.027595329	1.225655938	0.023791
peak_32400	chr19	7511102	7511504	-49589	Intergenic	NM_130913	flot1a	6.732330805	5.506864768	1.225466037	0.003787
peak_31807	chr10	28228447	28228903	482122	Intergenic	NM_001020542	ints2	6.763911321	5.538566567	1.225344754	0.003269
peak_36569	chr5	22139724	22140039	37009	intron (NM_201295, intron 1 of 10)	NM_201295	coro1ca	6.158304233	4.933501539	1.224802694	0.009682
peak_42753	chr19	8237408	8237847	-12008	Intergenic	NM_001033111	pygo2	5.27957652	4.05482333	1.22475319	0.027481
peak_32947	chr10	12953254	12954621	126190	Intergenic	NM_001114892	musk	7.16921772	5.944562068	1.224655651	0.004345
peak_34639	chr25	6465861	6466455	-9949	Intergenic	NM_001002409	rbpms2a	7.352308891	6.12777876	1.224530131	0.006367
peak_39274	chr13	40041544	40042249	9411	Intergenic	NM_001202417	marveld1	7.735635511	6.511405294	1.224230218	0.016018
peak_41481	chr4	47731749	47732400	50916	Intergenic	NM_001115109	zgc:175008	6.076424567	4.852281367	1.2241432	0.022849
peak_43663	chr11	46473198	46473514	-5004	Intergenic	NM_001017575	aspscr1	5.03669075	3.812645055	1.224045695	0.031536
peak_27002	chr25	5185081	5186438	-16692	Intergenic	NM_001077725	athl1	8.78413873	7.560173422	1.223965307	0.000779
peak_38337	chr4	44326631	44327146	931449	Intergenic	NM_001128300	LOC100008037	5.693873282	4.470104481	1.2237688	0.013609
peak_29293	chr15	37739887	37740579	235315	intron (NM_131481, intron 14 of 28)	NM_131481	robo1	10.21499866	8.991354551	1.223644105	0.00166
peak_31781	chr13	29877328	29877683	-117056	Intergenic	NM_131184	pax2a	6.278993871	5.055398024	1.223595846	0.003251
peak_39628	chr11	2688288	2688714	-937	promoter-TSS (NM_178223)	NM_178223	mapk14b	4.568099124	3.344640385	1.22345874	0.016949
peak_41778	chr22	30132229	30132631	-1848	Intergenic	NM_199859	abi3bp	5.762089438	4.539092332	1.222997106	0.023879
peak_26401	chr17	14433529	14434678	78231	Intergenic	NM_001204257	ppp1r13ba	9.559094157	8.336313063	1.222781093	0.000632
peak_34295	chr5	30759856	30760726	30651	Intergenic	NM_001030100	noxa1	7.777225342	6.554672512	1.22255283	0.005894
peak_43130	chr2	21574162	21575300	69722	Intergenic	NM_201454	rab2a	7.603095203	6.380654522	1.222440681	0.029141
peak_25728	chr11	10678715	10679675	73943	Intergenic	NM_198876	b3gnt5a	9.206698855	7.984302459	1.222396396	0.000501
peak_37020	chr7	35849964	35850378	-35781	Intergenic	NM_131267	irx3a	6.631691385	5.409611473	1.222079912	0.010604
peak_30467	chr25	6301947	6302476	-1471	Intergenic	NM_001045374	snx22	7.662479007	6.440411523	1.222067484	0.002293
peak_30923	chr12	9650709	9651317	61544	Intergenic	NM_131146	cyp26a1	7.266037152	6.043992173	1.22204498	0.002568
peak_27730	chr15	47303886	47304625	-2740	Intergenic	NM_001076636_1	zgc:153039	8.391483022	7.169444357	1.222038665	0.001003
peak_30244	chr7	38631805	38632511	-137279	Intergenic	NM_001146014	sall1a	9.096609213	7.874615406	1.221993808	0.002166
peak_30977	chr13	37563006	37563824	-107104	Intergenic	NM_001166338	gphb5	7.996540512	6.774631644	1.221908868	0.002604
peak_33709	chr16	41059486	41059795	102	intron (NM_001098249, intron 1 of 4)	NM_001098249	si:ch211-149p10.	6.753521104	5.531781181	1.221739923	0.005156
peak_35315	chr12	5741291	5741780	3728	exon (NM_130920, exon 5 of 6)	NM_130920	rbp4	6.877136021	5.65555868	1.221577341	0.007345
peak_34713	chr7	26404942	26405503	-86163	intron (NM_001076730, intron 18 of 21)	NM_212666	cyp26b1	6.835866847	5.614335962	1.221530885	0.006449
peak_41768	chr19	7518563	7519244	-41989	Intergenic	NM_130913	flot1a	7.173801978	5.95241919	1.221382789	0.023855
peak_26537	chr2	26675354	26676318	29135	Intergenic	NM_214793	rps8a	9.141475306	7.920104451	1.221370855	0.000661
peak_38491	chr7	34606146	34606420	-23006	Intergenic	NM_001172627	itga11a	6.163563645	4.942194537	1.221369108	0.013972
peak_31875	chr22	235125	236023	1601	intron (NM_001033591, intron 3 of 12)	NM_001033591	zgc:112334	7.693573283	6.472377469	1.221195814	0.003332
peak_29043	chr16	31753117	31753969	258	intron (NM_001017778, intron 1 of 8)	NM_001017778	ctsk	7.550104974	6.329039183	1.221065791	0.001532
peak_39513	chr23	35948003	35948592	-21777	Intergenic	NM_131339	rarga	6.679334528	5.458324154	1.221010374	0.016664
peak_35275	chr18	11585521	11586091	-10517	Intergenic	NM_001177933	fgd4a	7.526036596	6.305098379	1.220938217	0.007292
peak_40375	chr20	45253176	45253385	549456	Intergenic	NM_001013534	zgc:103511	5.540911861	4.319980061	1.2209318	0.019166
peak_32386	chr2	35363874	35364387	39643	Intergenic	NM_201308	plk3	7.918086363	6.69729848	1.220787883	0.00377
peak_35659	chr6	44172252	44172943	43948	Intergenic	NM_001110371	ppp4r2b	7.521482718	6.300736241	1.220746476	0.007949
peak_34946	chr14	6944070	6944501	9609	intron (NM_199683, intron 1 of 2)	NM_199683	eif4ebp3l	7.297181606	6.076682328	1.220499279	0.006789

peak_31215	chr3	12686830	12687208	36177	intron (NM_001110762, intron 2 of 2)	NM_001110762	vasnb	6.741219074	5.520771867	1.220447207	0.002774
peak_27455	chr16	36492105	36493309	28609	Intergenic	NM_001077806	fam46ba	9.468186075	8.247842251	1.220343825	0.000911
peak_33012	chr20	10117781	10118237	26488	Intergenic	NM_194420	cx35b	6.831830752	5.611622511	1.22020824	0.004415
peak_38590	chr7	41123970	41124364	7019	exon (NM_001128698, exon 2 of 2)	NM_001128698	ccdc96	5.273303644	4.053624406	1.219679238	0.014196
peak_28863	chr19	47796246	47797332	15099	intron (NM_212865, intron 3 of 3)	NM_212865	rbm24a	9.777070615	8.557619795	1.21945082	0.001449
peak_28082	chr16	22716701	22717631	-106007	Intergenic	NM_001008631	jazf1b	9.090162231	7.870788373	1.219373858	0.001135
peak_29492	chr16	36256995	36257501	-4740	Intergenic	NM_001114923	arid1aa	7.307382682	6.088141512	1.21924117	0.001753
peak_42577	chr11	1244422	1244751	11465	intron (NM_212882_3, intron 4 of 8)	NM_001123238	atp2b2	6.010630185	4.79159259	1.219037595	0.026746
peak_36911	chr19	26908584	26909200	-1507	Intergenic	NM_001044937	npr1a	7.240026274	6.020993654	1.21903262	0.010369
peak_28404	chr19	21854377	21855336	-36150	Intergenic	NM_001042746	tshz1	8.631482584	7.412457008	1.219025576	0.00125
peak_27966	chr22	33627612	33628500	34985	Intergenic	NM_001040377	zgc:136895	8.353317651	7.13431638	1.219001271	0.001093
peak_32458	chr22	18897776	18898088	72663	Intergenic	NM_207052	midn	6.231987845	5.013149955	1.218837889	0.003849
peak_39822	chr17	38231868	38232308	34243	intron (NM_001076632, intron 2 of 10)	NM_001076632	slc25a21	6.178514643	4.959780084	1.218734558	0.017477
peak_40739	chr16	57472361	57472825	-29861	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	6.404735705	5.186038337	1.218697368	0.020355
peak_42873	chr22	27859245	27859622	-127429	Intergenic	NM_212980	xpnpep1	4.621876502	3.403299442	1.21857706	0.028021
peak_43117	chr5	37758726	37759245	169866	Intergenic	NM_131805	efnb1	6.755964224	5.537633344	1.21833088	0.0291
peak_40789	chr8	47979387	47979681	12810	intron (NM_200779, intron 2 of 22)	NM_200779	ogdha	5.558773522	4.340580848	1.218192674	0.020544
peak_34983	chr17	35924723	35925064	133842	Intergenic	NM_131336	sox11a	6.314882871	5.096806857	1.218076013	0.006844
peak_34712	chr6	19637716	19638055	21378	exon (NM_001271813, exon 13 of 20)	NM_001271813	ccdc40	6.888718223	5.670786711	1.217931512	0.006448
peak_34386	chr12	18156119	18156433	-11635	Intergenic	NM_212620	acta2	6.479989636	5.262162405	1.217827231	0.006026
peak_34113	chr19	30841005	30841715	-59989	Intergenic	NM_214707	zdhhc18b	6.550339575	5.332559162	1.217780413	0.005662
peak_30138	chr24	37103683	37104810	44943	Intergenic	NM_131887	cebpd	12.00661194	10.78941428	1.217197654	0.002106
peak_35346	chr7	61993704	61994033	105971	Intergenic	NM_212647_1		6.395348328	5.178186587	1.217161741	0.007396
peak_43865	chr4	61224860	61225289	2066	intron (NM_001002543, intron 3 of 7)	NM_001002543	zgc:92791	4.969386766	3.752300299	1.217086467	0.032403
peak_36999	chr18	21515428	21516186	-9461	intron (NM_001020710, intron 2 of 2)	NM_001045081	fan1	8.01438136	6.797360467	1.217020893	0.010568
peak_31376	chr25	37093868	37094236	-38465	Intergenic	NM_001246660	rpgrip1l	6.589757247	5.372865187	1.21689206	0.002898
peak_30563	chr12	50507874	50508391	-36716	intron (NM_001291882, intron 2 of 3)	NM_001039837_1		7.788932991	6.57228762	1.216645371	0.002346
peak_26717	chr10	45987988	45988560	207512	Intergenic	NM_001134725	adrbk2	9.603279886	8.386652463	1.216627424	0.000704
peak_32231	chr3	42085005	42085414	-37	promoter-TSS (NM_001162443)	NM_001162443	snx8a	7.308770056	6.092281814	1.216488242	0.003626
peak_39316	chr19	22195292	22195706	3391	intron (NM_001159669, intron 1 of 3)	NM_001159669	LOC100003866	5.791830443	4.575415459	1.216414984	0.016109
peak_29531	chr14	51259102	51260011	35351	Intergenic	NM_001043321	mif	8.399793088	7.183564352	1.216228736	0.001772
peak_33595	chr25	21098739	21099225	51098	Intergenic	NM_001033744	adal	6.91780303	5.701654059	1.216148971	0.005017
peak_36446	chr23	13807991	13808562	92068	Intergenic	NR_030650		8.034946108	6.818986968	1.21595914	0.009434
peak_29196	chr6	59224793	59225610	130970	Intergenic	NM_001123374	shmt2	7.81645707	6.600702782	1.215754288	0.001606
peak_39853	chr21	31937558	31938277	-1755	Intergenic	NM_200693	arl3l1	6.508579594	5.292961361	1.215618234	0.017563
peak_43890	chr2	18441348	18441978	-12651	Intergenic	NM_200756	rwdd3	4.249193638	3.033662199	1.21553144	0.032531
peak_33364	chr13	45673788	45674197	9215	intron (NM_199715, intron 1 of 6)	NM_199715	chp1	5.89724935	4.681858395	1.215390954	0.004779
peak_30588	chr7	4226062	4226897	-16721	Intergenic	NM_001008593	ndrg2	7.613467744	6.398274136	1.215193608	0.002358
peak_27752	chr8	21818195	21818879	26327	5' UTR (NM_001128269, exon 3 of 8)	NM_001128269	itpr3	8.085789513	6.870798066	1.214991447	0.001014
peak_43351	chr10	45103585	45103998	-47524	intron (NM_131312, intron 4 of 10)	NR_045221		5.760444393	4.545495954	1.214948439	0.03023
peak_32521	chr23	14675490	14676328	-159980	Intergenic	NM_001113646	nkain4	8.221913231	7.007150302	1.214762929	0.003912
peak_41143	chr3	27180534	27181320	2027	intron (NM_001004119, intron 1 of 4)	NM_001004119	emp2	7.102810933	5.88855877	1.214252163	0.021809
peak_40389	chr19	953810	955024	60292	Intergenic	NM_200413	slc44a4	6.305151994	5.090959003	1.21419299	0.019207
peak_35484	chr2	26376773	26377222	-8495	Intergenic	NM_200601	palm1b	6.224933517	5.010934603	1.213998914	0.007626
peak_25823	chr14	508032	509254	-7000	intron (NM_212882, intron 11 of 12)	NM_001114567	zgc:172215	9.59976895	8.385773312	1.213995638	0.000517
peak_33605	chr4	59639413	59639918	-40768	Intergenic	NM_001199134	ptprb	6.902058395	5.688179038	1.213879357	0.00503
peak_36372	chr17	33200378	33200868	-131615	Intergenic	NM_131405	prox1a	6.604331951	5.390787098	1.213544853	0.009268
peak_33502	chr15	43865765	43866569	-30099	Intergenic	NR_023326		7.396530805	6.18306307	1.213467735	0.004923
peak_40445	chr13	47377540	47377863	-22389	Intergenic	NM_001003869	fbxo5	5.904996687	4.691690099	1.213306588	0.019383
peak_36772	chr7	27852692	27853115	17764	intron (NM_212661, intron 3 of 10)	NM_212661	cd82a	6.63502627	5.421757886	1.213268384	0.010059
peak_35412	chr7	29900723	29901531	359	intron (NM_199732, intron 1 of 4)	NM_199732	tmem9b	6.859981644	5.646860321	1.213121323	0.007519
peak_39969	chr3	5775098	5775448	86191	Intergenic	NM_001002476	polr3h	5.947403106	4.734333199	1.213069907	0.017945
peak_31524	chr13	20476965	20477513	-147314	Intergenic	NM_131730_1	gfra1a	6.729640146	5.51668718	1.212952967	0.00302
peak_38595	chr12	44187870	44188405	94501	intron (NM_001080602, intron 7 of 15)	NM_001080602	ebf3	7.014536531	5.80160151	1.212935021	0.014212
peak_40873	chr11	22405607	22406183	12417	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	6.879400469	5.666796871	1.212603598	0.020796
peak_38122	chr18	19385485	19386007	-43186	Intergenic	NM_001045051	LOC564395	7.464234839	6.251719333	1.212515506	0.013038
peak_37875	chr14	31720471	31720868	25259	Intergenic	NM_212856	ubl3b	6.726309548	5.513802869	1.21250668	0.012464
peak_43688	chr18	17144173	17144732	135	exon (NM_200984, exon 1 of 1)	NM_200984	foxl1	6.651791946	5.439521507	1.21227044	0.031657
peak_38687	chr10	20635094	20635584	-17134	Intergenic	NM_001002211	ppapdc1b	5.886861648	4.674627933	1.212233715	0.014401
peak_34925	chr24	18830711	18831174	-4596	Intergenic	NM_001006074	tpk1	6.361979587	5.149922253	1.212057334	0.006761
peak_31920	chr12	18108972	18110257	-95	promoter-TSS (NM_001008652)	NM_001008652	ch25h	8.42751948	7.215581924	1.211937556	0.003363
peak_33253	chr21	28927512	28927939	-1934	Intergenic	NM_212589	hnrnph1l	6.148711754	4.936793235	1.21191852	0.004652
peak_34249	chr1	26094527	26095313	16376	intron (NM_001122755, intron 2 of 6)	NM_001122755	bnc2	7.511856868	6.299982213	1.211874655	0.005835
peak_31506	chr2	53844705	53845521	242610	Intergenic	NM_131876	admp	8.078229621	6.866490013	1.211739608	0.003
peak_33841	chr3	18179268	18179691	13065	intron (NM_001006076, intron 3 of 11)	NM_001006076	tbc1d16	7.665953775	6.454218793	1.211734983	0.005306
peak_39282	chr23	5564836	5565132	84355	Intergenic	NM_001030219	smpd2a	5.614266508	4.402574173	1.211692335	0.016027
peak_28399	chr5	6527231	6527981	15156	Intergenic	NM_001013333	zgc:110796	8.871834408	7.6601464	1.211688009	0.001248
peak_38104	chr24	34518357	34518919	11	promoter-TSS (NM_001128775)	NM_001128775	zgc:195173	6.851417001	5.640187491	1.21122951	0.013002
peak_27090	chr2	23050164	23050804	-2792	Intergenic	NM_199697	gtf2b	8.235939734	7.024717817	1.211221918	0.000802
peak_32409	chr8	34804152	34804958	101751	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	8.276939752	7.065753318	1.211186434	0.003798
peak_35433	chr15	43757491	43758038	84327	Intergenic	NM_131672	csf1ra	6.633255515	5.422114389	1.211141126	0.007547
peak_37140	chr8	20989950	20990729	-2813	Intergenic	NM_001126416	rexo1	7.464967154	6.253885018	1.211082136	0.010848
peak_34775	chr20	37650201	37650888	-103367	Intergenic	NM_001030164	hivep2a	8.415752283	7.204705291	1.211046992	0.006524
peak_30828	chr19	29538169	29538639	238808	Intergenic	NM_001080628	zgc:158604	7.979429777	6.768385261	1.211044516	0.002511
peak_34010	chr16	53674016	53674382	32707	Intergenic	NM_001013522	lim2.5	6.233449613	5.022415023	1.21103459	0.005534
peak_38570	chr13	52302633	52303366	-3153	Intergenic	NM_001007426	ccpg1	6.800940803	5.58999396	1.210946843	0.014145
peak_43208	chr7	15389379	15389761	23687	exon (NM_001044797, exon 6 of 6)	NM_001044797	mrps11	6.137476186	4.926908837	1.210567349	0.029557
peak_36049	chr21	35495795	35496293	68477	Intergenic	NM_001002503	ndfip1l	7.542570636	6.332544511	1.210026125	0.008614
peak_38431	chr7	58051514	58051874	-21464	Intergenic	NM_131240	ck2a2a	5.529505567	4.319674394	1.209831173	0.013845
peak_32822	chr6	21315620	21315936	62496	Intergenic	NM_001082841	znf326	6.330024643	5.120318363	1.20970628	0.004192
peak_40884	chr8	32285133	32285916	1899	exon (NM_178297, exon 3 of 5)	NM_178297	sepp1a	7.122082275	5.912820816	1.209261459	0.020857
peak_38088	chr2	14294729	14295540	10312	intron (NM_001004623, intron 3 of 4)	NM_001004623	tctex1d1	6.388001167	5.178996553	1.209004614	0.012975
peak_43125	chr6	3102988	3103817	-37986	Intergenic	NM_200355	st3gal3a	6.84242926	5.633545168	1.208884092	0.029125
peak_36081	chr14	36842529	36843181	-69393	Intergenic	NM_001003587	glrbb	6.609532951	5.400678085	1.208854866	0.008684
peak_38168	chr20	15093646	15093887	2955	intron (NM_001044829, intron 5 of 8)	NM_001044829	si:dkey-239i20.2	6.232865084	5.024106916	1.208758167	0.01319
peak_31671	chr23	36508108	36508592	3559	intron (NM_131664, intron 1 of 8)	NM_131664	lima1	8.249257465	7.040754153	1.208503311	0.003146
peak_42980	chr14	2056987	2057458	-42383	Intergenic	NM_001111171	etf1a	5.259595006	4.051252695	1.208342312	0.028568
peak_35937	chr23	40222499	40222967	-125466	Intergenic	NM_001082482	ghrhrl	6.371335832	5.163552499	1.207783333	0.008425
peak_38449	chr22	38799651	38800318	408339	Intergenic	NM_001113587	hykk.2	6.36144489	5.154374981	1.207069908	0.013879
peak_33083	chr15	44559551	44560509	-212	promoter-TSS (NM_200546_2)	NM_200546_2	psmd2	7.84626708	6.639249421	1.20701766	0.004478
peak_30223	chr25	25340897	25342846	368284	Intergenic	NM_001013512	tmem86a	10.31641523	9.109507775	1.206907451	0.002156
peak_39796	chr7	6611790	6612201	-136041	Intergenic	NM_001142586	zgc:195633	5.677642421	4.470814077	1.206828344	0.017389
peak_33880	chr5	74959626	74959886	44891	Intergenic	NM_131208	lhx3	6.079047629	4.872343208	1.206704421	0.005371
peak_29284	chr10	12599497	12600010	-464526	Intergenic	NM_001004502	lpar1	7.215775359	6.009145588	1.206629771	0.001656
peak_32640	chr7	66494704	66495257	164441	Intergenic	NM_001077722	tpcn2	7.752196017	6.54588232	1.206313697	0.00402
peak_36811	chr24	24392348	24392750	32	promoter-TSS (NM_001110467)	NM_001110467	sgk3	6.553619995	5.347467088	1.206152907	0.010137
peak_35548	chr24	36881027	36881360	-1465	Intergenic	NM_001008581	snai2	6.833373928	5.627476502	1.205897426	0.007751
peak_42790	chr11	5603102	5603683	19540	Intergenic	NM_213074	slc35e1	7.064618902	5.859010555	1.205608348	0.027654
peak_33131	chr8	27671202	27671692	58	promoter-TSS (NM_001126417)	NM_001126417	si:ch211-156j16.5	8.884677115	7.67917155	1.205505564	0.004538
peak_39472	chr15	23910905	23911323	-6121	Intergenic	NM_001003510	dhrs13b	6.462366061	5.256879706	1.205486355	0.016511
peak_38872	chr6	1513419	1514666	19358	Intergenic	NM_001110010	plxna1b	6.988934662	5.783477342	1.205457319	0.014926
peak_35361	chr7	55280278	55280552	54819	intron (NM_173218, intron 12 of 28)	NM_200845	rps17	5.766942689	4.5615042	1.205438489	0.007432
peak_44023	chr20	38488066	38488463	5471	intron (NM_001002728, intron 1 of 14)	NM_001002728	adck3	5.876376775	4.671123817	1.205252958	0.033044
peak_34111	chr21	40059034	40059804	33532	Intergenic	NM_131276	msxd	6.765505265	5.560342679	1.205162586	0.00566
peak_38165	chr10	35331092	35331421	211092	Intergenic	NM_001114706_1	zgc:174193	6.236968832	5.031911951	1.205056881	0.013188

peak_31707	chr7	52221187	52221562	-56271	Intergenic	NM_212439	per1b	6.81470039	5.610126215	1.204574175	0.003177
peak_38943	chr24	28795684	28795935	-46373	Intergenic	NM_001080203	hs6st1b	5.297609065	4.093068107	1.204540958	0.015109
peak_43601	chr14	21635601	21635954	257236	Intergenic	NM_001080068	ids	5.935935756	4.731465979	1.204469778	0.031208
peak_42100	chr9	58219544	58220074	-39831	Intergenic	NM_001003944	actr3	6.764910691	5.560609098	1.204301593	0.025001
peak_41302	chr11	2108741	2109179	207	exon (NM_131546, exon 1 of 2)	NM_131546	hoxc13b	5.423087929	4.219453942	1.203633987	0.022321
peak_43691	chr4	43388550	43388799	-1668881	Intergenic	NM_001114884	zgc:174696	4.280142431	3.077022431	1.203119999	0.031669
peak_34836	chr7	63176347	63176837	285359	Intergenic	NM_200491	tbc1d19	6.281838832	5.078927353	1.202911479	0.006609
peak_43274	chr20	32602540	32602848	62050	Intergenic	NM_001002588	sec63	6.435109625	5.232306289	1.202803335	0.029854
peak_32548	chr7	10164382	10165004	57837	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	7.658560657	6.45616521	1.202395447	0.003936
peak_42146	chr10	18991065	18991390	8738	intron (NM_001020517, intron 1 of 13)	NM_001020517	dpysl2b	6.512933595	5.31060669	1.202326905	0.025156
peak_36968	chr21	17731460	17731843	-8779	intron (NM_213355, intron 10 of 20)	NM_001282393	LOC101885505	5.283533241	4.081463566	1.202069674	0.010513
peak_30513	chr15	40212824	40213401	-9526	Intergenic	NM_001003474	spsb4b	9.59136582	8.389497865	1.201867955	0.002318
peak_36083	chr6	12813782	12814107	-1870	Intergenic	NM_201587	ical1	5.856001471	4.654314958	1.201686513	0.008686
peak_38440	chr3	36975998	36976394	101173	Intergenic	NM_200908	tubg1	6.653964082	5.452352477	1.201611605	0.013871
peak_39166	chr13	33227909	33228317	-20036	Intergenic	NM_199611	arg2	6.676125706	5.474560925	1.20156478	0.015747
peak_31458	chr9	34008053	34008758	-3224	Intergenic	NM_205669	nhlh2	8.194120149	6.992643014	1.201477135	0.002958
peak_31722	chr1	7229539	7229839	-10291	Intergenic	NM_001030080	grapb	6.540661944	5.339328181	1.201333763	0.003195
peak_34911	chr1	53606289	53606579	149003	Intergenic	NM_001039565	il15	6.184910345	4.983685281	1.201225064	0.006738
peak_42455	chr18	42310841	42311147	83814	intron (NM_001005575, intron 3 of 8)	NM_001005575	bcl9l	5.884630599	4.683599616	1.201030983	0.026253
peak_31950	chr24	26660207	26660671	-74996	Intergenic	NM_200440	klhl24b	6.925451617	5.72450474	1.200946877	0.003384
peak_33422	chr7	10319681	10320441	213205	Intergenic	NM_212678	chsy1	7.603773521	6.402937467	1.200836054	0.004842
peak_29075	chr9	7260843	7262097	18885	Intergenic	NM_001007305	creg2	7.87883469	6.67813332	1.20070137	0.001548
peak_40043	chr20	47435038	47435869	-133562	Intergenic	NM_001018134	dnmt3aa	7.234343	6.033962151	1.200380849	0.018133
peak_38326	chr23	10403469	10404225	-43378	Intergenic	NM_200080	krt8	7.759728533	6.55935103	1.200377503	0.013589
peak_33483	chr13	6833785	6834169	11626	intron (NM_001144794, intron 7 of 13)	NM_001144794	exoc3l4	6.357964521	5.157588669	1.200375851	0.004901
peak_41923	chr14	11561697	11562343	-32038	Intergenic	NM_001020678	zgc:112315	6.989616751	5.789247722	1.20036903	0.024409
peak_35437	chr6	59543583	59544887	-14764	intron (NM_001142376, intron 12 of 16)	NM_130941	pl10	7.87084579	6.671034338	1.199811453	0.007552
peak_32020	chr17	47761812	47762137	208838	Intergenic	NM_001006009	zgc:103755	6.298726614	5.099198099	1.199528515	0.003445
peak_26674	chr13	5218893	5220177	26411	intron (NM_131893, intron 7 of 12)	NM_131893	meis1	9.55698735	8.35753896	1.19944839	0.000692
peak_38518	chr3	58277615	58278110	-38015	3' UTR (NM_214682, exon 14 of 14)	NM_199950	socs3a	5.698587205	4.499526056	1.199061149	0.014037
peak_32083	chr25	16157946	16158496	-40554	TTS (NM_131517)	NM_001003985	syt9b	6.833385175	5.634366475	1.1990187	0.003496
peak_29165	chr6	28944354	28945328	13600	intron (NM_130929, intron 11 of 11)	NM_131668	atp1b1a	8.779281364	7.580304166	1.198977198	0.001593
peak_30587	chr18	10373565	10374434	-3698	Intergenic	NM_001020699	ttc38	8.25914776	7.060529947	1.198617812	0.002358
peak_39443	chr2	10557849	10558257	4	promoter-TSS (NM_001020776)	NM_001020776	gfi1aa	6.313485238	5.114870584	1.198614654	0.016414
peak_27264	chr21	41753406	41754592	19489	intron (NM_001115117, intron 1 of 9)	NM_001115117	sept8a	9.291612214	8.093069449	1.198542765	0.000854
peak_40220	chr4	6916061	6916946	-34262	Intergenic	NM_001201357	LOC798487	7.607160335	6.409075974	1.198084361	0.018666
peak_32078	chr24	14039311	14039984	73688	Intergenic	NM_001012259	xkr9	7.039721229	5.841646802	1.198074427	0.003494
peak_35806	chr13	45658783	45659155	-17082	intron (NM_199715, intron 5 of 6)	NM_130925	khdrbs1a	6.591836718	5.393780907	1.198055811	0.008216
peak_43542	chr14	11655904	11656289	-26912	Intergenic	NM_001077607	irg1l	6.1166784	4.918640836	1.198037564	0.03098
peak_33157	chr5	29520448	29520956	-8496	Intergenic	NM_001013472	zgc:110340	7.63103254	6.433036006	1.197996534	0.004562
peak_27973	chr3	26863085	26864526	256	intron (NM_001080625, intron 1 of 12)	NM_001080625	rabep2	11.29952154	10.10168672	1.197834819	0.001096
peak_38561	chr6	13739658	13740010	22518	intron (NM_001033919, intron 1 of 4)	NM_001033919	tmem198b	5.481481062	4.283679267	1.197801795	0.014121
peak_30260	chr3	58593117	58593904	179	exon (NM_001080585, exon 1 of 6)	NM_001080585	syngr2a	8.645463117	7.447820901	1.197642215	0.002174
peak_30133	chr1	14112457	14112938	127269	Intergenic	NM_001045485	pi4k2b	7.197873156	6.000497219	1.197375937	0.002104
peak_34671	chr15	336265	337468	-117725	Intergenic	NM_131034	gbas	7.404094398	6.206983602	1.197110795	0.006403
peak_37229	chr21	27205720	27206011	-236583	intron (NM_001079970, intron 18 of 23)	NR_023323		5.820970704	4.623871772	1.197098932	0.011067
peak_31396	chr20	53938044	53938781	11105	Intergenic	NM_198823	myh6	8.415691657	7.218799495	1.196892163	0.002912
peak_39378	chr22	11337468	11337854	83358	Intergenic	NM_205626	bcor	6.076769338	4.879950313	1.196819025	0.016273
peak_38779	chr3	24496192	24497060	-1858	Intergenic	NM_199899	adsl	7.361177467	6.164561533	1.196615934	0.014698
peak_30715	chr18	30669357	30669965	-121779	Intergenic	NM_001080186	foxf1	7.453841823	6.257568494	1.196273329	0.002437
peak_36120	chr13	9346947	9347481	-39087	Intergenic	NM_001281798_1	ninl	6.690909489	5.494641664	1.196267825	0.008769
peak_32268	chr1	40898952	40899316	-56202	Intergenic	NM_001077559	scoca	6.665743559	5.469824368	1.195919191	0.00366
peak_38467	chr10	39089058	39089439	-201788	intron (NM_212796, intron 11 of 16)	NM_001202415	bhlha9	5.27387202	4.077958339	1.195913681	0.013926
peak_43480	chr24	292229	292778	15843	intron (NM_001013328, intron 2 of 4)	NM_001020572	impa2	6.800534888	5.604671869	1.195863019	0.030722
peak_36245	chr11	26983467	26983815	-9487	Intergenic	NM_001080082	zgc:158299	6.774215526	5.578450991	1.195764535	0.009012
peak_34421	chr12	28717214	28717586	5229	Intergenic	NM_131142	hoxb1b	6.71922009	5.52360544	1.19561465	0.006083
peak_32776	chr13	41701981	41702491	67665	Intergenic	NM_001281800	dkk1a	7.588843919	6.393236701	1.195607218	0.004156
peak_38845	chr14	34664865	34665218	-33223	Intergenic	NM_001166124	apln	6.058684454	4.863120458	1.195563996	0.014864
peak_37421	chr7	31927526	31928260	13705	intron (NM_001281993, intron 2 of 13)	NM_001281993	rnf111	7.524723878	6.329242095	1.195481783	0.011488
peak_44009	chr23	41198529	41199379	-29544	Intergenic	NM_001139458	si:dkey-194e6.1	7.341736227	6.146373238	1.195362989	0.032991
peak_34322	chr12	7538216	7538599	38879	intron (NM_001012486, intron 2 of 32)	NM_001012486	pcdh15b	6.832988289	5.637633102	1.195355187	0.005941
peak_27348	chr3	17960551	17961472	-42875	Intergenic	NM_198363	tob1a	9.292416839	8.09709914	1.195317699	0.000875
peak_33091	chr21	3676030	3676723	12993	intron (NM_175082, intron 3 of 3)	NM_175082	smad7	7.991178001	6.796139423	1.195038578	0.004488
peak_31091	chr21	28621181	28622519	-117285	Intergenic	NM_001002434	havcr1	8.174809148	6.979939421	1.194869727	0.002679
peak_35256	chr9	12627581	12627877	73297	Intergenic	NM_001089454	zgc:162707	5.959133468	4.764341763	1.194791705	0.007272
peak_29866	chr16	42380384	42380959	-143322	intron (NM_001076716, intron 6 of 13)	NM_182855	tgfbr2	8.386293771	7.191722129	1.194571642	0.001948
peak_39894	chr24	6212559	6212839	29613	Intergenic	NM_001017708	gad2	5.44046515	4.246422698	1.194042452	0.017688
peak_30186	chr9	54887469	54887948	-141988	Intergenic	NM_001288817	trpm2	9.283253036	8.0892455	1.194007536	0.002138
peak_43470	chr7	576941	577827	-60724	intron (NM_001079984, intron 3 of 8)	NM_001079984_1	nrxn2b	7.476036165	6.282281348	1.193754816	0.030673
peak_26836	chr2	19214924	19215825	-2641	Intergenic	NM_213080	cdc20	9.382758735	8.189007324	1.193751411	0.000737
peak_33732	chr14	52975945	52976767	-139619	Intergenic	NM_199952	ube2d2l	7.130736794	5.93720988	1.193526914	0.005186
peak_34258	chr25	19201743	19202302	82076	Intergenic	NM_001025176_3		6.817237131	5.623792056	1.193445075	0.005842
peak_32849	chr22	18789309	18790027	-19316	Intergenic	NM_200017	cirbp	7.357562399	6.16433159	1.193230809	0.00422
peak_38213	chr9	31468903	31469333	-3493	Intergenic	NM_001128350	cx50.5	6.937719817	5.744677057	1.19304276	0.013307
peak_36546	chr13	32298185	32298868	-69446	Intergenic	NM_001006079	osr1	6.798363696	5.60556539	1.192798306	0.009642
peak_31647	chr21	43632129	43632805	37919	intron (NM_001012389, intron 2 of 10)	NM_001012389	tcf7	7.22875818	6.036023964	1.192734216	0.003124
peak_35981	chr5	67662994	67663719	-3544	intron (NM_201076, intron 1 of 10)	NM_001110168	si:ch211-233f10.4	7.391810345	6.199111926	1.192698419	0.008498
peak_36352	chr19	43195458	43196216	-41640	Intergenic	NM_001044975	gatad2b	6.747780478	5.555167462	1.192613016	0.009236
peak_39436	chr3	30054143	30054879	-4166	Intergenic	NM_199724	rpl27	6.678071896	5.485589685	1.192482212	0.016402
peak_28875	chr1	12397347	12398185	-241894	Intergenic	NM_001115058	pcdh18a	8.707567705	7.515148467	1.192419238	0.001454
peak_37337	chr19	4669944	4670441	3969	intron (NM_214815, intron 2 of 11)	NM_214815	thrap3b	6.340388124	5.14824907	1.192139054	0.011291
peak_27147	chr13	54030582	54032438	-15465	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	10.01446515	8.822346229	1.192118918	0.000818
peak_40143	chr4	16242305	16242601	-70736	Intergenic	NM_001099454	casc1	6.149950753	4.958170291	1.191780461	0.018442
peak_36023	chr13	41670800	41671256	36457	Intergenic	NM_001281800	dkk1a	6.477771189	5.286010392	1.191760797	0.008571
peak_34974	chr13	34171313	34171698	-119870	intron (NM_200549, intron 4 of 19)	NM_001256646	flrt3	6.16846266	4.976891776	1.191570884	0.006826
peak_30173	chr19	26477555	26478097	21161	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	7.612007502	6.420612983	1.191394519	0.002129
peak_37175	chr7	64967509	64968258	324099	Intergenic	NM_131287	sox17	6.81880735	5.627704455	1.191102895	0.010961
peak_32585	chr3	46310132	46310542	107676	Intergenic	NM_001017690	snrnp25	7.209821055	6.01886772	1.190953335	0.003962
peak_42896	chr8	25247542	25248051	113328	Intergenic	NM_213123	mmp9	4.501545709	3.310967467	1.190578242	0.028123
peak_32498	chr9	22326965	22327981	-12774	intron (NM_001123307, intron 4 of 9)	NM_212674	xpo4	8.268681428	7.078130788	1.190550639	0.003892
peak_33996	chr7	30115837	30116520	54975	intron (NM_205552, intron 2 of 8)	NM_205552	ccdc102a	6.686220192	5.495809825	1.190410367	0.005518
peak_41338	chr6	55728113	55728391	35890	Intergenic	NM_001089458	cyp24a1	5.581503012	4.391246679	1.190256333	0.022421
peak_31122	chr15	38140166	38141091	73025	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	7.807438747	6.617506435	1.189932312	0.002699
peak_38882	chr12	47880003	47880536	-39355	Intergenic	NM_198802	adkb	6.575291284	5.385359222	1.189932062	0.014952
peak_39973	chr18	8683218	8683921	47188	intron (NM_131048, intron 12 of 17)	NM_131048	sema3d	6.570876996	5.380971305	1.189905691	0.017956
peak_41402	chr5	40770804	40771486	284	intron (NM_200710, intron 1 of 6)	NM_200710	paqr3a	6.871889552	5.682111044	1.189778507	0.022627
peak_35483	chr17	14901584	14902562	-31512	Intergenic	NM_200350	ero1l	7.816755331	6.627071022	1.189684309	0.007626
peak_42291	chr18	23655795	23656018	3159	intron (NM_131183, intron 2 of 2)	NM_131183	nr2f2	5.848367416	4.658824148	1.189543268	0.025615
peak_33840	chr8	15480894	15481594	4627	intron (NM_001122705, intron 2 of 10)	NM_001122705	abl2	7.400309966	6.210775759	1.189534207	0.005306
peak_42324	chr13	28000298	28000917	7781	intron (NM_001013529, intron 5 of 6)	NM_001013529	asrgl1	6.786228919	5.596793388	1.189435531	0.025729
peak_36306	chr3	12682835	12683171	40193	intron (NM_001110762, intron 2 of 2)	NM_001110762	vasnb	6.032330429	4.84294328	1.189387149	0.009135
peak_37187	chr16	32940997	32941348	33186	Intergenic	NM_001013340	fam210a	6.601604608	5.412308058	1.18929655	0.010984
peak_27633	chr8	3130415	3131074	-121246	Intergenic	NM_001040010	lhx2b	8.882105665	7.692896554	1.189209112	0.00097
peak_42078	chr1	17900024	17900548	56945	intron (NM_001166048, intron 19 of 32)	NM_001166048	ptprdb	5.870376087	4.681245388	1.189130699	0.024928
peak_37885	chr8	42525911	42527483	398	exon (NM_001075105, exon 1 of 1)	NM_001075105	aplnra	7.404094398	6.215019403	1.189074995	0.012477

peak_33648	chr9	51116027	51116616	49171	Intergenic	NM_001017644	slc38a11	7.571108244	6.382174005	1.188934239	0.005093
peak_34503	chr21	7346666	7347464	-77503	Intergenic	NM_001102624	zgc:171965	7.097013098	5.908432008	1.18858109	0.006196
peak_30028	chr13	30843492	30844053	25724	intron (NM_001098388, intron 2 of 4)	NM_001098388	zcchc24	8.420270569	7.231953109	1.188317461	0.00204
peak_35962	chr12	50648347	50648843	3925	exon (NM_001089497, exon 2 of 6)	NM_001089497	acadsb	5.874129441	4.685926946	1.188202495	0.008466
peak_41150	chr15	1441993	1442712	6782	intron (NM_001007107, intron 6 of 7)	NM_001007107	il12a	6.153679392	4.965522436	1.188156957	0.021825
peak_27836	chr20	51735697	51736533	-12342	Intergenic	NM_205766	rnf8	8.539956733	7.351806555	1.188150178	0.001044
peak_32913	chr10	24606378	24606947	216250	Intergenic	NM_001008585	slc43a2b	6.434347161	5.246438893	1.187908268	0.0043
peak_33627	chr8	49686370	49686729	-105920	Intergenic	NM_001144802	si:ch211-251b21.	6.332754913	5.145125074	1.187629839	0.005056
peak_28950	chr12	48945200	48946271	-36422	Intergenic	NM_130934_1	hhex	8.522200504	7.334617974	1.18758253	0.001489
peak_33153	chr5	50037668	50038133	5036	intron (NM_001130962, intron 1 of 8)	NM_001130962	mef2cb	6.709144549	5.521592009	1.187552539	0.00456
peak_41726	chr17	1593420	1594272	-86951	Intergenic	NM_001002412_1	zfyve19	7.084737114	5.897367831	1.187369283	0.023722
peak_27278	chr22	11283772	11284642	29904	intron (NM_205626, intron 7 of 12)	NM_205626	bcor	9.509830681	8.322596126	1.187234555	0.000855
peak_29551	chr4	7381467	7382194	107284	Intergenic	NM_001025506	adipor2	9.088906448	7.901703474	1.187202974	0.001789
peak_37902	chr12	40564598	40564948	213372	Intergenic	NM_001099246	abca5	7.355795084	6.168728481	1.187066603	0.012521
peak_40355	chr23	1336187	1336922	-179778	Intergenic	NM_001281802	psmb11b	7.514511613	6.327615703	1.18689591	0.019094
peak_32255	chr15	28463154	28463645	144	exon (NM_001089384, exon 1 of 21)	NM_001089384	zgc:162698	7.460986803	6.274326241	1.186660562	0.003648
peak_38838	chr2	13334776	13335206	189407	Intergenic	NM_001017787_1	leprot	6.512437977	5.325965651	1.186472326	0.014847
peak_29691	chr21	2832853	2833375	2516	intron (NM_001079958, intron 1 of 14)	NM_001079958	add1	7.483202386	6.296744567	1.186457819	0.001858
peak_41806	chr16	5353885	5354397	121674	Intergenic	NM_201200	ppp1r8b	7.129324148	5.942942057	1.186382091	0.023977
peak_36746	chr5	63287968	63288264	37531	Intergenic	NM_001017711	grk1b	5.900197442	4.713876591	1.186320851	0.009995
peak_32136	chr22	40518948	40520039	-347	promoter-TSS (NM_200761)	NM_200761	dnajc19	8.093646061	6.907359985	1.186286075	0.003528
peak_38459	chr9	34838888	34839458	53048	Intergenic	NR_039077		6.691335034	5.505193626	1.186141408	0.01391
peak_35762	chr4	26100519	26100953	294879	Intergenic	NM_200523	creld2	5.536627792	4.350901776	1.185726017	0.008142
peak_27101	chr24	54378	56763	10557	Intergenic	NM_001045561	zgc:152808	10.62435112	9.438702208	1.185648908	0.000805
peak_37466	chr14	32579039	32579417	51899	Intergenic	NM_001007287	fhl1a	6.579218903	5.39364659	1.185572313	0.0116
peak_31587	chr20	25334798	25335194	-35425	Intergenic	NM_001015041	ctgfa	7.288480339	6.102984718	1.185495621	0.003074
peak_31240	chr17	32364665	32365415	210743	Intergenic	NM_001077604	klf11b	8.83786906	7.652493494	1.185375566	0.0028
peak_39109	chr18	4354763	4355311	20060	Intergenic	NM_001128692_1	serpini1	5.883141315	4.697775023	1.185366292	0.015556
peak_37719	chr1	47650423	47650785	-1707	Intergenic	NM_001039986	zgc:111893	6.482450583	5.29745578	1.184994803	0.012084
peak_40257	chr6	111293	112075	-11868	Intergenic	NM_001291889	bglapl	6.995507079	5.810941237	1.184565842	0.018792
peak_33392	chr16	35043531	35044102	127	5' UTR (NM_001200014, exon 1 of 4)	NM_001200014	si:dkey-165n16.1	7.772383151	6.58784976	1.184533392	0.004809
peak_39471	chr21	43611298	43611666	16934	intron (NM_001012389, intron 2 of 10)	NM_001012389	tcf7	5.683643477	4.499210565	1.184432912	0.01651
peak_34865	chr2	53743859	53744155	189720	Intergenic	NM_001002071	sirt6	5.802111888	4.617727483	1.184384405	0.006661
peak_35470	chr19	8076043	8076895	-63	promoter-TSS (NM_001100011)	NM_001100011	fam63a	8.393580421	7.209250351	1.18433007	0.0076
peak_29314	chr1	19606352	19607658	322	intron (NM_131010, intron 1 of 21)	NM_131010	tll1	9.387416119	8.203200753	1.184215366	0.001673
peak_29667	chr6	44211056	44211753	82755	intron (NM_001256392, intron 3 of 9)	NM_001110371	ppp4r2b	8.448920707	7.265357095	1.183563612	0.001845
peak_37489	chr13	14072670	14073259	205628	intron (NM_001123058, intron 6 of 9)	NM_001145615	atrn	6.481206277	5.297647056	1.183559222	0.011649
peak_30020	chr2	1873247	1873759	24010	intron (NM_001113336, intron 1 of 9)	NM_001113336	zgc:171831	7.950417981	6.767090666	1.183327315	0.002035
peak_33489	chr17	24340730	24342055	8147	intron (NM_001077601, intron 1 of 6)	NM_001077601	peli1b	8.901912471	7.719057213	1.182855258	0.004905
peak_27418	chr16	48480202	48481638	-18355	Intergenic	NM_001115093	rgl2	10.80613702	9.623482757	1.182654258	0.000898
peak_28945	chr12	26846383	26847093	60898	Intergenic	NM_207055	zfp36l2	8.794492271	7.611933599	1.182558672	0.001487
peak_27723	chr21	29700454	29701174	67	promoter-TSS (NM_200040)	NM_200040	rhogb	8.423927851	7.241373255	1.182554597	0.001001
peak_34833	chr24	27378909	27379776	49456	intron (NM_001037676, intron 2 of 32)	NM_001037676	tnikb	9.090162231	7.90771393	1.182448301	0.006606
peak_27789	chr13	25973560	25975070	485	intron (NM_001089469, intron 1 of 13)	NM_001089469	sgpl1	9.016977413	7.834625396	1.182352017	0.001027
peak_35970	chr25	18814873	18816220	2247	intron (NM_194380, intron 2 of 2)	NM_194380	dusp6	8.759218256	7.577072358	1.182145898	0.008483
peak_36419	chr17	16533943	16534682	-62214	Intergenic	NM_001033743	ston2	7.139055068	5.956995083	1.182059985	0.009375
peak_36570	chr17	40331232	40331556	378061	Intergenic	NR_048925_2		6.355281589	5.173619532	1.181662057	0.009682
peak_43050	chr24	15744451	15744845	-192509	Intergenic	NM_001098738	cbln2b	6.226385317	5.044753362	1.181631955	0.028841
peak_40717	chr23	10572676	10573294	69869	Intergenic	NM_001099237	eif4ba	7.695702021	6.514206734	1.181495287	0.020289
peak_32118	chr16	36052723	36053328	66882	Intergenic	NM_001002352	rspo1	7.728067409	6.546831806	1.181235602	0.003515
peak_32355	chr16	305157	305819	28078	Intergenic	NM_205698	irx4a	8.007542896	6.826383596	1.1811593	0.003747
peak_39731	chr4	1854463	1854875	20679	intron (NM_001083089, intron 7 of 10)	NM_001083089	si:dkey-97m3.1	6.723607625	5.54267969	1.180927936	0.017223
peak_42719	chr7	65204253	65204532	87590	Intergenic	NM_131287	sox17	5.761684263	4.580854919	1.180829344	0.027345
peak_35040	chr25	9536200	9536597	-294239	Intergenic	NM_131385	rag2	6.3827258	5.202049148	1.180676652	0.006927
peak_43886	chr20	54512870	54513111	-19447	Intergenic	NM_200170	actr10	5.644080257	4.463408328	1.18067193	0.032519
peak_38314	chr19	28869544	28870062	-24105	Intergenic	NM_001082990	si:dkey-261i16.5	6.602749326	5.422209248	1.180540077	0.013542
peak_28027	chr23	28620111	28621909	667	intron (NM_213638, intron 2 of 5)	NM_213638	zgc:153867	9.399331646	8.218912807	1.180418839	0.001113
peak_41869	chr25	7711844	7712226	84711	Intergenic	NM_001089334	hmg20a	6.129629029	4.949238412	1.180390617	0.024189
peak_40147	chr7	45262571	45263294	-170538	Intergenic	NM_001003983	cdh5	6.587916679	5.407642134	1.180274545	0.01845
peak_41758	chr9	56261419	56261769	-13282	Intergenic	NM_001002457	egfl6	6.170295511	4.990233263	1.180062247	0.023826
peak_38032	chr9	45054389	45054713	183358	Intergenic	NM_200921	ube2e3	5.852961571	4.673011581	1.17994999	0.012841
peak_37689	chr2	22848645	22849051	802	intron (NM_201483, intron 1 of 14)	NM_201483	ivns1abpb	6.4578565	5.278203544	1.179652956	0.012022
peak_36100	chr8	12333037	12333531	-45762	Intergenic	NM_001113585	anapc7	6.933218789	5.753585657	1.179633132	0.008723
peak_43420	chr10	23080074	23080428	-11232	Intergenic	NM_214681	arrb2a	5.050063769	3.871182667	1.178881102	0.030516
peak_41469	chr18	7307858	7308124	205215	Intergenic	NM_001044963	rabl2	5.40501031	4.226234905	1.178775405	0.022831
peak_36879	chr3	31649941	31650368	-87426	Intergenic	NM_200658	ccdc43	5.742052865	4.563639896	1.178412969	0.010307
peak_32963	chr16	21465690	21466215	-27968	Intergenic	NM_205550	sp8b	6.547978135	5.369695186	1.178282949	0.004364
peak_40955	chr4	39696095	39696484	314512	Intergenic	NM_001109839	zgc:173617	5.1930644	4.015377571	1.177686829	0.021132
peak_43659	chr2	27199850	27200637	41634	intron (NM_001077448, intron 5 of 11)	NM_001077448	cdh7	8.317159467	7.139566597	1.17759287	0.031505
peak_39032	chr6	26062052	26062527	39597	TTS (NM_001037227)	NM_001037227	dzip1l	6.678286586	5.50070893	1.177577656	0.015351
peak_37362	chr23	36178757	36179044	-2645	intron (NM_001134685, intron 2 of 4)	NR_034190		5.715446952	4.537882977	1.177563974	0.011339
peak_29763	chr5	41079488	41080220	83	promoter-TSS (NM_001044709)	NM_001044709	antxr2a	8.06922944	6.892144519	1.177084921	0.001896
peak_40217	chr11	24943717	24944122	3992	intron (NM_001002171, intron 3 of 7)	NM_001002171	hdac11	5.985458636	4.808694151	1.176764485	0.018652
peak_32795	chr23	35891638	35892120	-19087	Intergenic	NM_001285536	nr1d4a	7.31307859	6.13632455	1.17675404	0.004171
peak_31823	chr12	18003439	18004453	4325	Intergenic	NM_001103122	zgc:174855	7.776429188	6.600019921	1.176409267	0.003287
peak_36478	chr2	8225085	8225562	170693	Intergenic	NM_001128395	si:ch211-71m22.	5.952737502	4.776513829	1.176223673	0.009502
peak_38476	chr18	39793974	39794745	-41853	intron (NM_212831, intron 12 of 13)	NM_001128730	si:ch211-203b8.6	7.135601136	5.959967418	1.175633718	0.013939
peak_36696	chr3	49060487	49060887	-320843	Intergenic	NM_001110108	fn3krp	6.10359181	4.927967187	1.175624622	0.009902
peak_35979	chr23	17045956	17046658	11425	intron (NM_001025181, intron 1 of 5)	NM_001025181	zgc:114174	5.618747835	4.443214506	1.175533329	0.008492
peak_39930	chr10	38557501	38557949	79491	Intergenic	NM_001077461	cuedc1a	6.408896731	5.234165966	1.174730765	0.017814
peak_27830	chr21	28141013	28142064	-126	promoter-TSS (NM_001003543)	NM_001003543	zgc:100829	10.79929148	9.62475034	1.174541138	0.001042
peak_36869	chr8	36594244	36594492	306180	Intergenic	NM_001007206	si:busm1-194e12	5.723399576	4.548984725	1.17441485	0.010295
peak_34259	chr18	14010079	14010587	-53477	Intergenic	NM_001110029	kcng4a	6.257551374	5.083412016	1.174139357	0.005844
peak_36625	chr9	15465638	15466131	234987	Intergenic	NM_131520	fn1a	7.120177878	5.946238502	1.173939376	0.009784
peak_38503	chr16	55250596	55251067	-122580	Intergenic	NM_001163294	col27a1a	6.829308285	5.655415126	1.173893159	0.013988
peak_41520	chr13	35558778	35559080	-1884	Intergenic	NM_131863	jag1b	5.523754484	4.349871743	1.173882741	0.023
peak_43279	chr5	38683631	38684037	-3952	Intergenic	NM_201576	tagln2	7.001201843	5.827378905	1.173822938	0.029875
peak_35513	chr11	24389037	24389663	-132777	Intergenic	NM_001113489	kiss1	6.763911321	5.590400287	1.173511034	0.007698
peak_35179	chr18	21429064	21429273	-8222	intron (NM_199213, intron 19 of 23)	NM_001144815	LOC100004247	5.905730326	4.732318325	1.173412001	0.007159
peak_43559	chr9	1851735	1852508	77768	Intergenic	NM_131125	hoxd3a	7.247875521	6.074757846	1.173117675	0.03104
peak_34447	chr22	33627046	33627498	35769	Intergenic	NM_001040377	zgc:136895	6.614042076	5.441213012	1.172829064	0.00612
peak_32024	chr9	47313943	47314484	-173167	Intergenic	NM_001039358	hdac4	7.51137494	6.33861782	1.17275712	0.003447
peak_34375	chr12	28842736	28843306	28796	Intergenic	NM_199644	arl4d	8.471878848	7.299172038	1.17270681	0.00601
peak_42111	chr4	16279408	16279812	-33579	Intergenic	NM_001099454	casc1	6.388001167	5.215302099	1.172699068	0.025029
peak_33722	chr25	22465628	22466131	-12823	Intergenic	NM_001077147	zgc:153606	6.756371009	5.583712099	1.17265891	0.005175
peak_39863	chr6	58932045	58932857	-54803	Intergenic	NM_200076	mars	6.037399457	4.865424891	1.171974566	0.017587
peak_31695	chr8	24731422	24731899	5584	exon (NM_199650, exon 16 of 16)	NM_001110113	lhfpl5b	8.144910689	6.972954006	1.171956683	0.003169
peak_31297	chr5	12475140	12475710	-12127	Intergenic	NM_001195784	fep15	7.024563882	5.852627711	1.171936171	0.002847
peak_39621	chr20	806962	807283	-28361	Intergenic	NM_001160013	mei4	5.182775708	4.011235296	1.171540411	0.016931
peak_39170	chr14	38939312	38939931	732722	Intergenic	NM_001048055	lect2l	7.39483348	6.223573598	1.171259883	0.01576
peak_33835	chr2	14217663	14218096	87567	Intergenic	NM_001004623	tctex1d1	6.251504061	5.080447818	1.171056242	0.005298
peak_41636	chr14	42121990	42122380	-3647	Intergenic	NM_131159	ef1	6.471824148	5.300827094	1.170997054	0.023412
peak_37965	chr3	59402230	59402634	78370	Intergenic	NM_001122620	zgc:171489	6.365450295	5.194579637	1.170870658	0.012675
peak_30215	chr12	21967751	21968898	316	intron (NM_001044316, intron 1 of 6)	NM_001044316	snx11	8.508952319	7.33815055	1.170801769	0.002152
peak_34694	chr12	45333788	45334450	-209105	Intergenic	NM_001110011	dock1	7.54032144	6.369593932	1.170727507	0.006429

peak_35734	chr25	4066467	4066958	-117635	Intergenic	NM_200769	tmem258	6.885177834	5.715028406	1.170149428	0.0081
peak_36143	chr23	44094442	44095105	84996	Intergenic	NM_213374	zgc:56304	6.263892965	5.094203697	1.169689268	0.008823
peak_36483	chr9	41979582	41980032	32543	intron (NM_001014316, intron 8 of 13)	NM_001014316	hibch	6.614939595	5.445636145	1.16930345	0.009516
peak_33336	chr3	7179329	7179626	209504	Intergenic	NM_205613	hn1b	6.265894306	5.096600681	1.169293624	0.004744
peak_37664	chr15	11840285	11840617	-62899	Intergenic	NM_001113649	zgc:172282	5.696892816	4.527820136	1.16907268	0.011968
peak_33305	chr15	42099886	42100275	-15418	intron (NM_200184, intron 6 of 8)	NM_001007057	wdfy1	7.244399757	6.075377969	1.169021789	0.004703
peak_40447	chr22	11044366	11044741	118745	intron (NM_001123229, intron 10 of 20)	NM_001123229	insrb	5.574572524	4.405725002	1.168847522	0.019402
peak_40073	chr4	51550318	51550888	-475997	Intergenic	NM_001109839_1	zgc:173617	6.652010583	5.483352347	1.168658235	0.018227
peak_28149	chr9	43009874	43010857	22863	intron (NM_001039630, intron 2 of 27)	NM_001039630	col18a1	9.604385146	8.436464286	1.16792086	0.001159
peak_37837	chr11	37668218	37668664	50039	intron (NM_203484, intron 30 of 46)	NM_001005312	parapinopsinb	6.714400497	5.546505993	1.167894504	0.012377
peak_42067	chr6	55084967	55085344	79748	Intergenic	NM_001100137	mybphb	6.393518857	5.225777805	1.167741052	0.024885
peak_41748	chr7	68772782	68773164	-304841	Intergenic	NM_001110471_1	parvab	5.963740913	4.796150686	1.167590227	0.023802
peak_32936	chr17	38748393	38748776	7562	intron (NM_131525, intron 1 of 35)	NM_131525	sptb	6.76025342	5.592759126	1.167494294	0.004332
peak_43346	chr16	32861252	32861520	5279	intron (NM_152971, intron 1 of 11)	NM_152971	lmna	5.235218809	4.067835141	1.167383668	0.030222
peak_39736	chr1	1064315	1064748	1155	exon (NM_131603_1, exon 2 of 5)	NM_131603_1	runx1	6.638340589	5.470962207	1.167378382	0.017231
peak_39903	chr12	39863723	39864117	226730	Intergenic	NM_001110169	zgc:171957	5.896511384	4.7295901	1.166921284	0.01771
peak_30957	chr2	874355	875395	-4481	Intergenic	NM_131728	foxc1a	7.844833278	6.677979145	1.166854133	0.002594
peak_38923	chr17	4643768	4644242	-184944	Intergenic	NM_201084	cdc5l	6.679990447	5.513150219	1.166840228	0.015051
peak_29806	chr21	352984	354051	-8848	Intergenic	NM_205663	lhfpl2a	8.833904014	7.66712355	1.166780464	0.001919
peak_36536	chr16	35992188	35992702	-28228	Intergenic	NM_199998	utp11l	7.091533129	5.924828067	1.166705061	0.009626
peak_42785	chr24	1266865	1267375	63865	intron (NM_181497, intron 2 of 16)	NM_181497	nrp1a	6.336600373	5.170013648	1.166586725	0.027639
peak_28461	chr19	774356	775281	4572	intron (NM_001109727, intron 5 of 5)	NM_001109727	tmem79a	8.554332208	7.387871426	1.166460782	0.001273
peak_36639	chr7	6160569	6161061	58164	Intergenic	NM_153674	vangl2	6.605235529	5.438780958	1.166454571	0.009817
peak_33959	chr16	4223197	4224567	96842	Intergenic	NM_200701	wdr21	8.123965771	6.957521377	1.166444395	0.005481
peak_35639	chr15	38187899	38188518	25445	intron (NM_131633, intron 1 of 29)	NM_131633	robo2	7.801422163	6.635358782	1.166063381	0.007901
peak_34965	chr7	36986462	36987083	-16018	Intergenic	NM_001023575	irx6a	8.314947884	7.148917424	1.16603046	0.006805
peak_43690	chr12	8076918	8077275	-39138	Intergenic	NM_001005602	phyhipl b	6.209532659	5.043516177	1.166016482	0.031669
peak_36362	chr1	27989415	27989857	2259	exon (NM_001007317, exon 3 of 3)	NM_001007317	gemin8	7.271463176	6.10546699	1.165996186	0.009249
peak_36522	chr1	2319858	2320488	-105861	Intergenic	NM_001077717	ggact.1	6.63548152	5.469550438	1.165931083	0.009594
peak_34460	chr17	51405049	51405871	75905	Intergenic	NM_001002063	stxbp6	7.634466688	6.468610081	1.165856606	0.006139
peak_39721	chr15	37922313	37922757	291118	intron (NM_131633, intron 15 of 29)	NM_131633	robo2	6.33794409	5.172102247	1.165841844	0.017198
peak_40993	chr12	34482778	34483079	126766	Intergenic	NM_130982	nog3	5.88351378	4.718278553	1.165235227	0.021261
peak_34334	chr12	22678251	22678803	26644	intron (NM_001037121, intron 2 of 8)	NM_001037121	ca10a	7.054545952	5.889354982	1.16519097	0.005964
peak_34005	chr16	56248207	56248791	4047	intron (NM_001164394, intron 1 of 58)	NM_001164394	ubr5	7.260725654	6.09557828	1.165147374	0.005527
peak_41515	chr9	17264667	17265023	52271	intron (NM_001005773, intron 4 of 4)	NM_001005773	fbxl3a	5.540884311	4.375824863	1.165059448	0.02298
peak_34635	chr21	43684565	43685294	8616	intron (NM_001127465, intron 1 of 20)	NM_001127465	fnip1	8.809068679	7.644056221	1.165012458	0.006359
peak_28067	chr1	19962344	19963391	107161	Intergenic	NM_001102391	npy1r	8.50659313	7.341780686	1.164812443	0.001126
peak_42919	chr13	41842792	41843197	208423	intron (NM_001012482, intron 24 of 35)	NM_001281800	dkk1a	4.665081128	3.500534884	1.164546243	0.028211
peak_37652	chr19	31656067	31656995	-7034	3' UTR (NM_001277109, exon 19 of 19)	NM_001012481	agr2	7.671927186	6.508482822	1.163444363	0.011948
peak_32181	chr19	47725899	47726492	41526	intron (NM_200836, intron 7 of 12)	NM_200836	cap2	8.227960328	7.064594528	1.163365799	0.003574
peak_40828	chr3	31767226	31767796	8711	Intergenic	NM_131140	fzd2	6.268194799	5.104906005	1.163288794	0.020647
peak_34232	chr18	21712792	21713182	-2825	exon (NM_001100100, exon 17 of 17)	NM_001006000	nutf2	6.859992685	5.697068384	1.162924301	0.005818
peak_28377	chr13	50470342	50470899	-47700	Intergenic	NM_199981	irf2bp2a	9.259289183	8.09688285	1.162406333	0.001239
peak_42440	chr12	38475527	38475935	-34096	intron (NM_001166259, intron 4 of 6)	NM_001080568	hs3st3b1b	6.379296453	5.217355703	1.16194075	0.026198
peak_30534	chr16	36012145	36012743	-48227	Intergenic	NM_199998	utp11l	7.947392713	6.785579361	1.161813352	0.002328
peak_39150	chr16	41474272	41474611	-132753	Intergenic	NM_001002427	eny2	6.29058832	5.128805174	1.161783145	0.015676
peak_36378	chr13	52869540	52869947	65895	Intergenic	NM_131586	valopa	6.055382317	4.893629089	1.161753228	0.009284
peak_27727	chr1	58443388	58444902	242663	Intergenic	NM_001110761	si:ch211-114l13.5	9.598027885	8.436634934	1.161392951	0.001002
peak_40294	chr16	19136515	19136951	-2593	Intergenic	NM_213190	tnfrsf1a	6.256705796	5.095492825	1.161212972	0.018923
peak_37105	chr9	57289779	57290699	-98170	Intergenic	NM_001166337	nlgn4b	7.606025697	6.444846699	1.161178998	0.010784
peak_43783	chr4	35082090	35082597	-267634	Intergenic	NM_001114927	zgc:174650	4.658131683	3.497042253	1.16108943	0.032135
peak_42561	chr16	4221783	4222290	94996	Intergenic	NM_200701	wdr21	4.775396789	3.614393098	1.161003691	0.026702
peak_43555	chr10	1339092	1339390	22571	exon (NM_001256077, exon 7 of 9)	NM_001256077	opn4xa	4.938805923	3.777926763	1.160879159	0.03103
peak_34044	chr23	41704046	41704441	151797	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	6.979352824	5.818760503	1.160592321	0.00558
peak_32817	chr14	8144719	8145165	-94267	Intergenic	NM_001002626	zgc:92242	7.554438935	6.394289173	1.160149763	0.004189
peak_34438	chr2	39417604	39418024	-37789	Intergenic	NM_001256642	spsb4a	6.190941802	5.03081303	1.160128772	0.006108
peak_35306	chr3	63120388	63120813	-54847	Intergenic	NM_001025465	sox8b	6.777626177	5.617537257	1.160088919	0.007329
peak_32248	chr2	5746212	5746597	1	promoter-TSS (NM_001039809)	NM_001039809	zte38	7.120642692	5.960558716	1.160083976	0.00364
peak_42851	chr8	30648724	30649033	50800	intron (NM_001077546, intron 7 of 10)	NM_001077546	slc20a2	5.764922485	4.604852582	1.160069903	0.02788
peak_30847	chr2	43269051	43270009	-32712	Intergenic	NM_001045270	ftr14	10.37104686	9.211001941	1.160044915	0.002525
peak_37873	chr16	8030265	8030507	5139	intron (NM_001271460, intron 1 of 4)	NM_001271460	mbpb	5.985111585	4.82526014	1.159851444	0.012456
peak_42250	chr13	52617261	52617641	-255349	Intergenic	NM_214772	lsm14ab	4.789026601	3.629236638	1.159789963	0.025465
peak_37022	chr7	32396428	32396736	-129973	Intergenic	NM_001013468	zgc:111992	6.144056011	4.984528457	1.159527554	0.010611
peak_31827	chr9	5044472	5045593	6115	Intergenic	NM_001113484	nr4a2a	8.063139975	6.903753432	1.159386544	0.003289
peak_39482	chr2	41932219	41932619	29739	Intergenic	NM_182864	keap1a	7.292833443	6.133513154	1.159320289	0.016558
peak_31276	chr11	46434625	46435766	1920	intron (NM_001142582, intron 1 of 5)	NM_001142582	il1rapl1b	7.434227461	6.275053044	1.159174417	0.002825
peak_36671	chr5	65512527	65512835	112826	Intergenic	NM_001110103	aspa	5.620089523	4.461800049	1.158289474	0.009863
peak_34742	chr11	42280392	42280846	-27454	Intergenic	NM_001083570	errfi1	6.71166392	5.553418705	1.158245215	0.006475
peak_38147	chr24	172942	173363	575	intron (NM_001013328, intron 1 of 4)	NM_001013328	zgc:110852	6.687726337	5.529486325	1.158240011	0.013127
peak_32931	chr19	11644386	11644998	-48133	Intergenic	NM_001081631	arhgef1a	7.319440506	6.161201304	1.158239202	0.004326
peak_33804	chr18	35427986	35428687	-130640	Intergenic	NM_001044953	qpctla	8.017354362	6.859217031	1.158137331	0.005261
peak_32291	chr20	484296	485281	-6000	Intergenic	NM_001104943	nt5dc1	8.014631469	6.856572654	1.158058815	0.003684
peak_37571	chr3	23961971	23962463	2152	exon (NM_131541, exon 2 of 2)	NM_131541	hoxb10a	6.503513893	5.345485185	1.158028708	0.011791
peak_32725	chr16	25141273	25141913	95355	Intergenic	NM_001003997	flad1	7.727664666	6.569649549	1.158015116	0.004113
peak_36457	chr5	72842075	72842483	-7977	intron (NR_105067_1, intron 1 of 2)	NM_001083850	rilpl2	6.340116769	5.182130514	1.157986256	0.009456
peak_42468	chr9	53099496	53099927	-186060	Intergenic	NM_001076600	tank	7.051897253	5.893911128	1.157986125	0.026299
peak_40762	chr1	58094640	58095783	188	intron (NM_001113805_2, intron 2 of 10)	NM_001113805_2	sc:d0284	7.192472042	6.034614418	1.157857624	0.020431
peak_34595	chr1	51215529	51216257	69394	Intergenic	NM_001145624	herc3	8.744557756	7.587082496	1.15747526	0.006317
peak_35628	chr21	16909164	16909526	22089	Intergenic	NM_001123389	brd3a	6.205665308	5.048533846	1.157131462	0.00789
peak_36358	chr1	45758034	45758276	-36106	Intergenic	NM_001256730	emp1	5.619642432	4.462618193	1.157024239	0.00924
peak_33363	chr5	42662720	42663196	59268	Intergenic	NM_001006105	golph3	7.430521354	6.273592617	1.156928737	0.004779
peak_38489	chr1	16311477	16312151	17633	intron (NM_001031837, intron 1 of 20)	NM_001031837	acsl1a	7.341201883	6.18480013	1.156401753	0.013965
peak_35878	chr14	3476350	3476962	13138	exon (NM_001190933, exon 7 of 18)	NM_001190933	pdgfrb	7.777325561	6.621270113	1.156055448	0.008327
peak_34759	chr9	8772070	8772742	178970	Intergenic	NM_212771	rab20	6.857519022	5.701962605	1.155556417	0.006503
peak_33430	chr7	39227078	39227825	-23173	Intergenic	NM_001166272	adcy7	7.529253667	6.373823521	1.155430146	0.004852
peak_39453	chr16	18511715	18511989	-66599	Intergenic	NM_001003589	ccdc12	5.85293938	4.697578437	1.155360942	0.01643
peak_41295	chr18	34980186	34980913	8790	intron (NM_001044319, intron 2 of 2)	NM_001044319	znf296	7.101041064	5.945771509	1.155269555	0.02231
peak_43063	chr15	4592323	4592581	-116836	Intergenic	NM_001197329	eif4h	5.55032589	4.395072463	1.155253427	0.02887
peak_37819	chr8	19672912	19673476	118076	Intergenic	NM_212872	zgc:77486	7.571910579	6.416891983	1.155018596	0.012328
peak_41564	chr14	7951089	7951583	78703	Intergenic	NM_001014305	zgc:110843	7.237980203	6.083020697	1.154959506	0.023173
peak_29622	chr25	37253775	37254837	-110	promoter-TSS (NM_213163)	NM_213163	amfr	9.036451764	7.881588431	1.154863333	0.001815
peak_35192	chr2	8395881	8396288	-68	promoter-TSS (NM_001128395)	NM_001128395	si:ch211-71m22.1	6.597069628	5.442559895	1.154509733	0.007176
peak_34155	chr1	20837445	20837866	65475	Intergenic	NM_001083851	zgc:153957	6.68686054	5.532525646	1.154334893	0.005707
peak_27394	chr15	31543487	31544498	48536	Intergenic	NM_001005935	arfip2a	10.39765772	9.243541266	1.15411645	0.000892
peak_33541	chr9	22473568	22474008	32456	Intergenic	NM_207642	gja3	6.309609926	5.155567256	1.154042671	0.00496
peak_43191	chr16	37254959	37256116	190587	Intergenic	NM_001017850	stmn1b	5.919620236	4.765609833	1.154010403	0.029484
peak_39279	chr18	1287505	1287899	-89713	Intergenic	NM_198912	pepd	5.253234453	4.09947515	1.153759303	0.016024
peak_34575	chr24	33223566	33223978	155422	Intergenic	NM_001018143	trdmt1	6.676125706	5.522426979	1.153698727	0.006295
peak_39140	chr20	2366073	2366515	106927	Intergenic	NM_001044800	tmem200a	6.944886133	5.791335988	1.153550145	0.01566
peak_39464	chr25	27466685	27467350	68193	Intergenic	NM_001045461	zgc:153383	5.99136593	4.837933783	1.153432147	0.016478
peak_39771	chr5	36460400	36460747	-139643	Intergenic	NM_213129	ankra2	5.589770563	4.436359959	1.153410604	0.017316
peak_39926	chr15	30023242	30023748	90531	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	6.905342153	5.752021719	1.153320434	0.017803
peak_37530	chr2	41310387	41310742	-115909	Intergenic	NM_001020567	zgc:110158	6.134662696	4.981669724	1.152992972	0.011731
peak_32796	chr15	1395117	1395705	2364	intron (NM_001017906, intron 1 of 7)	NM_001017906	schip1	6.508110662	5.355848598	1.152262064	0.004171
peak_34196	chr6	43734505	43735251	79118	intron (NM_001039637, intron 3 of 19)	NM_001039637	foxp1b	7.439176694	6.286948979	1.152227715	0.005765

peak_32927	chr24	41574420	41575150	7593	exon (NM_001077598, exon 5 of 5)	NM_001077598	aoc1	7.303335494	6.151189115	1.152146379	0.00432
peak_38577	chr23	44520087	44520617	-34678	intron (NM_131417, intron 11 of 16)	NM_200759	eif4e2rs1	6.651329055	5.500137104	1.15119195	0.014158
peak_32299	chr9	8070909	8071413	305493	Intergenic	NM_001009886	mnx2a	8.122704245	6.971592998	1.151111247	0.003689
peak_37910	chr9	18539446	18540087	-240128	Intergenic	NM_001128338	vwa8	7.375446322	6.224513475	1.150932847	0.012547
peak_32185	chr7	64465	65960	-34866	Intergenic	NM_001079984	nrxn2b	10.17232659	9.021645351	1.150681235	0.003578
peak_41163	chr23	37088589	37088879	95335	Intergenic	NM_001020621	cpsf3l	6.382989259	5.232430381	1.150558877	0.021885
peak_36549	chr15	44230088	44230532	38597	Intergenic	NM_200546	psmd2	6.327562975	5.177082884	1.15048009	0.009645
peak_43913	chr1	11117022	11117403	-31765	Intergenic	NM_001008591_1	tspan5b	5.216940861	4.066500617	1.150440244	0.032603
peak_35474	chr21	23221340	23221752	-9354	Intergenic	NM_001113551	cadm1a	7.003098447	5.852990906	1.150107541	0.007608
peak_42865	chr14	26621040	26621568	-12769	Intergenic	NM_001002367	slc25a48	6.691560168	5.541563132	1.149997037	0.027964
peak_33924	chr8	38632511	38632901	-7217	Intergenic	NM_001083869	or135-1	6.43664815	5.286749418	1.149898733	0.005442
peak_33283	chr5	5653093	5653881	-441848	Intergenic	NM_001076606	mvb12ba	7.66877836	6.518893077	1.149885283	0.004678
peak_43866	chr25	13290294	13290569	28080	intron (NM_001122702, intron 2 of 4)	NM_001122702	LOC569861	5.701522959	4.551674319	1.149848641	0.032404
peak_38607	chr4	3793652	3794097	-58847	Intergenic	NM_001144049	gpr37b	6.261282285	5.111711204	1.14957108	0.014237
peak_36534	chr20	8051496	8051797	289579	Intergenic	NM_001244756	bloc1s2	6.025258877	4.875746577	1.1495123	0.009624
peak_40426	chr9	40929629	40930120	-99686	Intergenic	NM_001161762_1	si:zfos-1425h8.1	6.726285321	5.576846064	1.149439256	0.019331
peak_36957	chr16	2916229	2916678	245550	Intergenic	NM_001162542	adcy3l	5.824854643	4.675665475	1.149189168	0.01049
peak_39515	chr3	24032894	24033310	-10289	intron (NM_131117, intron 3 of 4)	NM_131116	hoxb2a	6.978491529	5.829609802	1.148881727	0.016674
peak_39295	chr15	41719037	41719464	-7366	Intergenic	NM_001045128	acsl3a	5.527123657	4.378432589	1.148691068	0.016051
peak_29627	chr8	227848	229190	22784	intron (NM_199992, intron 1 of 19)	NM_199992	sema6a	9.505319568	8.356738537	1.14858103	0.001819
peak_34219	chr20	46842447	46843303	5191	intron (NM_001002493, intron 2 of 3)	NM_001002493	jdp2	7.40851611	6.260056369	1.148459741	0.005801
peak_35985	chr14	46488179	46488644	507003	Intergenic	NM_001044886	si:ch211-240l14.:	6.327547004	5.179128109	1.148418895	0.008505
peak_34301	chr10	14625655	14625991	-39189	Intergenic	NM_001045421	zgc:153395	6.933747904	5.78545786	1.148290044	0.005912
peak_29964	chr19	49772203	49775956	-584	promoter-TSS (NM_214744)	NM_214744	zgc:85936	11.78985082	10.64224104	1.147609771	0.002009
peak_42607	chr2	17259833	17260306	-45879	Intergenic	NM_214785	st3gal3b	6.342015183	5.194476859	1.147538324	0.026882
peak_32171	chr11	44418936	44420539	-68600	Intergenic	NM_214686	sult6b1	9.71751452	8.570123387	1.147391132	0.003564
peak_35111	chr10	13339876	13340466	20294	intron (NM_001099446, intron 1 of 11)	NM_001113499	il11ra	6.845884872	5.698646717	1.147238155	0.007056
peak_32777	chr13	13514351	13514947	-28043	Intergenic	NM_001020532	cfd	8.227071539	7.07986649	1.147205049	0.004156
peak_34897	chr19	43420422	43420952	106230	exon (NM_001104526, exon 32 of 57)	NM_001104526	trioa	7.618524099	6.471364133	1.147159966	0.006716
peak_32661	chr12	30307635	30308078	10506	intron (NM_001170599, intron 1 of 5)	NM_001170599	tbx21	7.654625271	6.508111512	1.146513759	0.004033
peak_38174	chr6	56220429	56220940	101307	Intergenic	NM_001008576_1	tfap2c	5.806069786	4.659607289	1.146462496	0.013208
peak_39705	chr11	8618538	8619132	-29574	Intergenic	NM_001020583	tbl1xr1a	7.082458333	5.936105425	1.146352908	0.01715
peak_41303	chr6	131392	132038	8163	Intergenic	NM_001291889	bglapl	6.109990796	4.964040179	1.145950616	0.022321
peak_42353	chr1	47362564	47362894	9839	intron (NM_213425, intron 1 of 9)	NM_213425	agpat3	5.649371981	4.503584474	1.145787507	0.025844
peak_43150	chr8	50363716	50364128	307157	Intergenic	NM_001128254	mfn2	5.883886149	4.738147185	1.145738964	0.029292
peak_29473	chr22	20564775	20565846	51701	Intergenic	NM_001045165	si:dkey-110c1.7	10.60761295	9.461992498	1.145620457	0.001742
peak_37615	chr18	4389131	4390067	54622	Intergenic	NM_001128692_1	serpini1	8.037877075	6.892487646	1.145389429	0.011874
peak_31930	chr13	50342603	50343099	80069	Intergenic	NM_199981	irf2bp2a	7.13671344	5.991351816	1.145361625	0.00337
peak_31028	chr13	24179476	24180254	-32478	Intergenic	NM_198063	agt	8.471445319	7.326098888	1.145346432	0.002638
peak_38637	chr19	44710273	44710901	70034	Intergenic	NM_001277131	pum1	7.727768387	6.582520826	1.145247562	0.014302
peak_35362	chr24	25303513	25303952	28442	Intergenic	NM_001008609	armc1	6.920709462	5.77556842	1.145141042	0.007432
peak_41068	chr12	16040796	16041464	12994	intron (NM_001003453, intron 1 of 7)	NM_001003453	adprh	5.412256515	4.267143327	1.145113188	0.02159
peak_30282	chr17	43809512	43810246	-99726	Intergenic	NM_183341	egr2a	8.216658197	7.0720476	1.144610597	0.002182
peak_29093	chr5	2391863	2392870	56027	Intergenic	NM_001114407	ca4a	9.19075809	8.046176135	1.144581955	0.001555
peak_43888	chr24	37721606	37722404	-14656	Intergenic	NM_001003614	riok3	7.35190519	6.20740012	1.14450507	0.032523
peak_39356	chr18	143195	143525	28880	intron (NM_001030061, intron 24 of 33)	NM_001030061	trpm7	5.699856693	4.555434904	1.144421789	0.016206
peak_43530	chr25	31436764	31437380	4821	intron (NM_200223, intron 2 of 5)	NM_200223	pdcd2l	6.169073869	5.02471589	1.144357979	0.030891
peak_39434	chr16	28045679	28045895	23268	Intergenic	NM_001083032	irge4	5.820559039	4.676469459	1.144089581	0.0164
peak_32366	chr13	28026397	28026989	-1264	Intergenic	NR_030042		7.396139292	6.252052523	1.144086769	0.003753
peak_40312	chr5	5540812	5541491	-329512	Intergenic	NM_001076606	mvb12ba	6.475549326	5.331508842	1.144040484	0.018975
peak_27995	chr24	31334277	31335113	13069	intron (NM_001006092, intron 3 of 3)	NM_001006092	alg14	10.17169436	9.027704479	1.143989877	0.001102
peak_38013	chr15	39217636	39218111	26581	intron (NM_001077577, intron 1 of 2)	NM_001077577	fat3a	6.606589837	5.462802891	1.143786946	0.012802
peak_43401	chr2	3019862	3020149	-35151	intron (NM_001256634, intron 15 of 32)	NM_001113597	eif2b5	4.881650491	3.738082117	1.143568374	0.030415
peak_39370	chr10	17758681	17758949	13730	TTS (NM_212588)	NM_212588	slc20a1b	5.47207183	4.328917384	1.143154446	0.016259
peak_42574	chr23	28050622	28051045	12624	intron (NM_130990, intron 1 of 8)	NM_130990	acvr1b	6.44553392	5.30247023	1.143063689	0.02674
peak_34323	chr20	39790495	39791023	23986	intron (NM_001082853, intron 1 of 5)	NM_001082853	rnf217	7.272885509	6.130428781	1.142456728	0.005941
peak_37402	chr3	4180412	4180829	5002	intron (NM_001130791, intron 1 of 10)	NM_001130791	plbd1	6.540661944	5.39828122	1.142380724	0.01144
peak_30135	chr22	6780062	6781102	107342	Intergenic	NM_001110128	zgc:171500	8.295433183	7.153118562	1.142314622	0.002105
peak_43921	chr10	35223706	35224118	103748	intron (NM_001114706_1, intron 3 of 6)	NM_001114706_1	zgc:174193	5.928693146	4.786445564	1.142247582	0.032631
peak_36149	chr22	3353744	3355170	-26439	Intergenic	NM_001285535	tbxa2r	8.743067487	7.600875566	1.142191921	0.008834
peak_38235	chr7	11735760	11736145	6527	intron (NM_200157, intron 1 of 2)	NM_200157	abhd17c	5.897986938	4.75581237	1.142174568	0.013354
peak_37701	chr13	30819998	30820423	24410	intron (NM_001098388, intron 2 of 4)	NM_001004626	ppifa	7.578968828	6.436899464	1.142069364	0.012047
peak_40469	chr5	2373446	2373930	74705	Intergenic	NM_001114407	ca4a	5.474546308	4.332707957	1.141838351	0.019491
peak_42076	chr3	2774184	2774586	-194270	Intergenic	NM_001002544	polr2f	6.422575411	5.280825684	1.141749727	0.024922
peak_35831	chr1	2898641	2899213	92058	Intergenic	NR_030045		6.441462621	5.299930279	1.141532342	0.00826
peak_40397	chr13	32326760	32327038	-41073	Intergenic	NM_001006079	osr1	6.033357411	4.891835102	1.141522309	0.019229
peak_37884	chr6	42681421	42681920	-70024	Intergenic	NM_001014822	sema3fa	6.614477816	5.472963475	1.141514341	0.012473
peak_36370	chr24	38175256	38175804	2309	intron (NM_001002675, intron 1 of 1)	NM_001002675	ccr10	7.036877727	5.895541557	1.14133617	0.009266
peak_32407	chr3	33215521	33216006	34921	intron (NM_131399, intron 2 of 7)	NM_131399	rarab	7.450185826	6.308867874	1.141317952	0.003798
peak_39016	chr15	30477922	30478373	-3325	Intergenic	NM_199633	wsb1	6.294251216	5.152945532	1.141305684	0.015301
peak_36620	chr12	38815575	38815996	21730	exon (NM_001040355, exon 5 of 5)	NM_001040355	pmp22b	7.309618011	6.168364277	1.141253734	0.009774
peak_28948	chr18	46886773	46887622	104	5' UTR (NM_001017558_1, exon 1 of 6)	NM_001017558_1	ets1	9.107090246	7.965930869	1.141159377	0.001487
peak_36939	chr6	30540434	30540733	144414	Intergenic	NM_001037669	insl5a	5.903895528	4.763312311	1.140583217	0.01043
peak_40586	chr2	57668812	57669218	-50036	Intergenic	NM_001190806	uqcr11	5.977783805	4.837394404	1.140389401	0.019908
peak_37267	chr9	33965517	33966167	-19896	Intergenic	NM_001130857	fam160a2	6.729213663	5.589018861	1.140194803	0.011153
peak_38300	chr2	18162058	18162738	130431	intron (NM_212893, intron 14 of 20)	NM_001100007	ptbp2b	6.238134336	5.098375319	1.139759017	0.013517
peak_38003	chr22	20465767	20466132	2584	intron (NM_001045172, intron 2 of 12)	NM_001045172	eef2a.2	5.736266333	4.596515514	1.139750818	0.012765
peak_39837	chr8	5127802	5128315	60388	Intergenic	NM_001102640	tmem230b	6.131861999	4.992293974	1.139568025	0.017537
peak_36737	chr8	8746391	8746722	147930	Intergenic	NM_173284	tsr2	6.557373553	5.41806562	1.139307934	0.009977
peak_41292	chr7	11476581	11477069	-10469	intron (NM_131674, intron 4 of 19)	NM_205760	zfand6	6.785033234	5.645739797	1.139293438	0.022304
peak_35655	chr13	11268399	11268928	2716	intron (NM_001003532, intron 1 of 4)	NM_001003532	desi2	7.629478952	6.490511078	1.138967873	0.007939
peak_35019	chr5	21185939	21186381	-2668	Intergenic	NM_131099	foxn4	7.286932526	6.148251376	1.13868115	0.006902
peak_37305	chr14	1748234	1748821	38695	Intergenic	NM_001024185	pcdh2g13	8.339988989	7.201415308	1.138573681	0.01122
peak_39128	chr9	35263528	35264047	8190	intron (NM_001030192, intron 2 of 8)	NM_001030192	ildr2	7.436386907	6.297867897	1.13851901	0.015618
peak_35917	chr17	38884535	38885034	143762	Intergenic	NM_131525	sptb	7.190640827	6.052210836	1.138429991	0.008385
peak_33893	chr1	46254571	46255220	-32192	Intergenic	NM_001089578	si:ch211-214c7.5	8.241924208	7.103590157	1.138334051	0.005394
peak_35668	chr23	24977659	24978952	8434	Intergenic	NM_213087	sdf4	9.78129032	8.643209435	1.138080885	0.007969
peak_35551	chr13	39564301	39564822	155255	Intergenic	NM_213264	col9a1b	6.612020614	5.474074779	1.137945835	0.007759
peak_37845	chr6	26340135	26340685	-72299	Intergenic	NM_001037680	sox14	6.620772933	5.482874851	1.137898081	0.012398
peak_30181	chr3	41654185	41656174	12760	intron (NM_001013277, intron 1 of 3)	NM_001013277	gna12a	9.646129812	8.508572694	1.137557119	0.002134
peak_39494	chr3	12250952	12251596	-45412	intron (NM_001076623, intron 9 of 10)	NM_001076757	pdgfab	8.007889576	6.870363682	1.137525894	0.016623
peak_38400	chr12	5281183	5281605	-104272	Intergenic	NM_001143904	irf3	6.3943032	5.256878061	1.137425139	0.013784
peak_29160	chr23	37831458	37832399	-76947	Intergenic	NM_131881	irx7	8.636193595	7.498830338	1.137363257	0.001589
peak_36078	chr2	58506513	58507082	92708	Intergenic	NM_001128410	LOC100150696	6.555491177	5.418519114	1.136972062	0.008681
peak_41816	chr18	10645159	10645528	-201897	Intergenic	NM_001045135	si:ch211-59c24.1	6.39823374	5.261535308	1.136698432	0.024001
peak_42492	chr3	27294622	27294891	115856	Intergenic	NM_001004119	emp2	5.411223569	4.274565042	1.136658526	0.026383
peak_43675	chr7	40203415	40204258	-66	promoter-TSS (NM_001020806)	NM_001020806	zgc:110699	7.30390028	6.167458314	1.136441966	0.031585
peak_41065	chr9	46426410	46426724	244649	Intergenic	NM_001099232	zgc:165571	6.091694325	4.955881537	1.135812789	0.021575
peak_33728	chr24	13878101	13878809	49193	intron (NM_131193, intron 11 of 18)	NM_131193	eya1	8.529197628	7.393445276	1.135752352	0.00518
peak_41590	chr3	55333450	55333775	18210	intron (NM_001007403, intron 1 of 13)	NM_001007403	trip10a	5.236968832	4.101315048	1.135653784	0.023284
peak_35144	chr6	16188432	16188744	135424	Intergenic	NM_001002395	faimb	6.2704584	5.134841485	1.135616915	0.007104
peak_28800	chr13	3461358	3463803	128559	Intergenic	NM_201129	ncoa4	9.325153654	8.189808457	1.135345197	0.001418
peak_38977	chr15	40289851	40290317	-7680	Intergenic	NM_001007387	ftr72	6.789634508	5.654390503	1.135244004	0.015212
peak_40974	chr3	10995227	10995603	-15540	Intergenic	NM_001077531	srl	5.823690559	4.688638785	1.135051774	0.021205
peak_31211	chr17	27791740	27792476	212376	Intergenic	NM_131224	qkia	7.743580515	6.608882487	1.134698028	0.002771

peak_39790	chr11	14563319	14563572	1287	intron (NM_001122654, intron 2 of 15)	NM_001122654	ptbp1b	5.7624945	4.628051961	1.134442539	0.017356
peak_35429	chr6	17972720	17973151	-25883	Intergenic	NM_131029	ntn1a	6.518234259	5.383911728	1.134322531	0.007541
peak_40450	chr4	45253820	45254141	4357	Intergenic	NM_001128300	LOC100008037	6.364398841	5.230123624	1.134275218	0.019406
peak_40435	chr25	24710155	24711181	59541	Intergenic	NM_001001815	igf2b	5.196066283	4.061850318	1.134215965	0.019353
peak_39906	chr4	32038987	32039314	256355	intron (NM_001114900_1, intron 3 of 10)	NM_001114900_1	zgc:174708	5.203876874	4.070299606	1.133577267	0.017717
peak_38475	chr18	3902452	3903050	406250	Intergenic	NM_200555	pdcd10a	7.556425858	6.422954372	1.133471486	0.013935
peak_43655	chr15	10422206	10422708	1940	intron (NM_001002694, intron 1 of 8)	NM_001002694	prcp	7.107610776	5.97428239	1.133328387	0.031488
peak_28198	chr23	10759636	10760646	68787	intron (NM_001077564, intron 8 of 16)	NM_001077564	foxp1a	9.999365932	8.866438879	1.132927053	0.001175
peak_40816	chr12	33362184	33362508	-38019	Intergenic	NM_001110373	habp2	5.636144784	4.503498349	1.132646435	0.020618
peak_36993	chr14	34653710	34654234	-44292	Intergenic	NM_001166124	apln	7.265331115	6.132947123	1.132383991	0.010559
peak_32476	chr16	20341377	20341899	-151656	Intergenic	NM_131238	rxrbb	6.873765482	5.741572881	1.1321926	0.003869
peak_36031	chr19	32496090	32496909	67606	Intergenic	NM_001045124	meox2b	7.193373633	6.061248517	1.132125116	0.008576
peak_28849	chr13	2297382	2298862	-77524	Intergenic	NM_199718	fbxo9	10.53918173	9.407314188	1.131867546	0.001442
peak_35863	chr2	39626340	39626669	-163249	Intergenic	NM_001002667	slc25a36a	6.207451528	5.075734079	1.131717449	0.008313
peak_34985	chr16	41751456	41751939	46455	Intergenic	NM_001159994	gdf6a	7.383516031	6.251903245	1.131612786	0.006846
peak_36691	chr9	48988650	48989354	75567	Intergenic	NM_212699	arpc2	7.874608855	6.743334582	1.131274273	0.009891
peak_32965	chr4	3453661	3454026	127273	Intergenic	NM_200436	znf800b	6.558307017	5.427175843	1.131131174	0.004367
peak_43549	chr22	10663441	10663965	10224	exon (NM_001044867, exon 9 of 14)	NM_001044867	atrip	7.070548124	5.940881421	1.129666703	0.031011
peak_38800	chr3	61592935	61593452	56623	Intergenic	NM_213338	aimp2	5.582420998	4.452851251	1.129569747	0.01477
peak_41491	chr17	25236883	25237214	-1691	Intergenic	NM_001077142	zgc:154055	5.292536631	4.162973366	1.129563265	0.022878
peak_36544	chr12	44189912	44190819	92273	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	7.750965825	6.621506478	1.129459346	0.009637
peak_33600	chr23	5299259	5300445	51453	intron (NM_181498, intron 9 of 10)	NM_001128815	zgc:194242	7.934926851	6.80551551	1.12941134	0.005025
peak_32881	chr20	50231324	50232125	24751	intron (NM_001077270, intron 15 of 16)	NM_001077270	ints9	7.092500037	5.963311586	1.129188452	0.004258
peak_38451	chr23	10733793	10734095	94984	Intergenic	NM_001077564	foxp1a	6.141237164	5.012147082	1.129090082	0.013882
peak_43824	chr4	60620465	60620869	2945	intron (NM_001017670, intron 1 of 6)	NM_001017670	ms4a17a.11	4.815079557	3.686054558	1.129024999	0.032266
peak_30302	chr17	52404582	52405249	14518	intron (NM_001040406, intron 1 of 10)	NM_001040406	numb	9.141516507	8.012523351	1.128993156	0.002194
peak_43617	chr10	46323790	46324064	2363	intron (NM_199841, intron 1 of 12)	NM_199841	gnsb	4.752693915	3.623883392	1.128810523	0.031298
peak_31170	chr22	34321437	34322488	-6127	Intergenic	NM_001037661_1	slc6a6b	9.244395528	8.115586846	1.128808682	0.002735
peak_42527	chr3	53384167	53384486	61732	Intergenic	NM_001004117	pgls	5.771400687	4.642699845	1.128700842	0.026543
peak_43651	chr19	2692	3420	-34306	Intergenic	NM_001089521	atpif1a	5.811583529	4.683043388	1.128540142	0.031459
peak_36249	chr9	22434235	22434642	-101	promoter-TSS (NM_212825)	NM_212825	cx30.3	7.181421969	6.053012696	1.128409272	0.009022
peak_33204	chr3	53729072	53730784	603	5' UTR (NM_001003578, exon 2 of 3)	NM_001003578	lpar2a	8.211981574	7.083810529	1.128171045	0.004606
peak_37599	chr23	16879627	16880038	-16817	Intergenic	NM_001005594	fkbp1ab	6.391147984	5.263164354	1.12798363	0.011847
peak_42576	chr22	33294693	33295042	158205	Intergenic	NM_001126460	si:dkey-169i5.4	5.72962806	4.601754824	1.127873236	0.026744
peak_34357	chr5	3209450	3209833	52832	Intergenic	NR_030090		6.556205874	5.428718338	1.127487537	0.005988
peak_39368	chr13	19011902	19012300	-127850	Intergenic	NM_001145606	lzts2a	6.424654253	5.297207948	1.127446305	0.016258
peak_36330	chr16	15175708	15176741	269	5' UTR (NM_001007444, exon 1 of 10)	NM_001007444	zgc:101640	9.002016816	7.874612507	1.127404309	0.009192
peak_40075	chr6	52732362	52732945	-10062	Intergenic	NM_213549	matn4	8.171753763	7.044451967	1.127301797	0.018233
peak_32166	chr25	2478631	2479468	-54171	Intergenic	NM_001034973		9.492498332	8.365231066	1.127267266	0.003559
peak_42928	chr16	37978389	37978900	-175550	Intergenic	NM_001002444	decr1	5.413804549	4.286804569	1.12699998	0.028275
peak_38991	chr24	13715330	13715766	-113714	Intergenic	NM_131193	eya1	6.458121179	5.331157593	1.126963586	0.015249
peak_33832	chr8	16973395	16973927	10192	intron (NM_001128408, intron 1 of 2)	NM_001128408	rnf11b	7.185967672	6.059286176	1.126681496	0.005291
peak_36601	chr20	23750566	23751680	26447	intron (NM_001044792, intron 2 of 11)	NM_001044792	sh3rf1	8.953504552	7.826885964	1.126618588	0.00974
peak_36778	chr7	61591695	61592049	-63889	Intergenic	NM_001130770	zgc:194930	6.27757755	5.151000599	1.126576951	0.010079
peak_33200	chr10	44772328	44773276	105325	Intergenic	NM_214688	vcanb	9.000156717	7.873761735	1.126394981	0.004601
peak_37973	chr21	17842631	17843059	-9268	Intergenic	NM_001020689	nefma	7.418453706	6.292181857	1.12627185	0.012698
peak_32494	chr24	24893543	24894341	154	5' UTR (NM_199870, exon 1 of 5)	NM_199870	ythdf3	8.767901296	7.642212056	1.125689239	0.003886
peak_43491	chr20	4420487	4421228	163863	Intergenic	NM_001076758	zgc:154018	6.934657291	5.809492234	1.125165057	0.030756
peak_40237	chr12	31928468	31928688	6675	intron (NM_001164028, intron 16 of 25)	NM_001164028	tdrd1	5.827179997	4.702124301	1.125055696	0.018728
peak_33395	chr20	7468141	7468790	99	promoter-TSS (NM_001287083)	NM_001287083	dsc2l	9.339949126	8.215056229	1.124892896	0.004812
peak_41436	chr11	31878929	31879223	222053	Intergenic	NM_001014332	man2b1	6.010289137	4.8855263	1.124762837	0.022723
peak_34656	chr21	878218	878735	-45918	Intergenic	NM_194432	oaz2a	7.709873694	6.585194948	1.124678746	0.006388
peak_39983	chr11	35725094	35725379	30526	intron (NM_001001818, intron 1 of 8)	NM_001001818	gnai2a	5.730042338	4.605426008	1.12461633	0.017993
peak_30547	chr17	41821642	41822125	242225	Intergenic	NM_199658	insm1b	8.396077837	7.271592566	1.124485271	0.002336
peak_43225	chr23	4066124	4066562	-6633	intron (NM_181498_1, intron 1 of 5)	NM_001045332	b4galt5	5.975668741	4.851532972	1.124135769	0.029635
peak_33929	chr16	40363569	40364231	-439539	Intergenic	NM_200570	selenbp1	7.386819339	6.263170451	1.123648888	0.005445
peak_34403	chr15	29002402	29002927	-66981	Intergenic	NM_001128669	samsn1a	7.327136313	6.203540122	1.123596191	0.00606
peak_43775	chr8	56083855	56084346	9916	Intergenic	NM_001012365	trh	6.43181756	5.308274634	1.123542926	0.032097
peak_35125	chr7	40415858	40416394	126053	Intergenic	NM_001243038	creb3l1	6.519686688	5.396321726	1.123364962	0.007079
peak_38323	chr4	47958441	47959066	173169	Intergenic	NM_001122615	zgc:174646	6.405773305	5.282616435	1.12315687	0.013579
peak_41922	chr21	16136354	16136726	-21773	Intergenic	NM_001012312	gsna	6.3766375	5.253853876	1.122783623	0.024404
peak_41305	chr6	1722384	1722999	22315	Intergenic	NM_213212	myl9b	7.886479205	6.763743097	1.122736108	0.022326
peak_42408	chr6	48317640	48317934	-29795	Intergenic	NM_212697	capza1a	5.639677051	4.517166653	1.122510398	0.026065
peak_38683	chr19	39815879	39816418	152324	Intergenic	NM_001044795	smap2	6.573432156	5.451539823	1.121892332	0.01439
peak_35682	chr8	55254528	55255006	-18227	Intergenic	NM_212609	gnb1a	6.992046872	5.870334076	1.121712796	0.007986
peak_31210	chr5	32353488	32354571	217	exon (NM_001075103, exon 1 of 7)	NM_001075103	ftr82	8.528654981	7.407757302	1.120897679	0.002771
peak_32638	chr7	58863961	58864606	18437	TTS (NM_001123260)	NM_001017739	mad2l1	7.456598093	6.335943491	1.120654602	0.004018
peak_38191	chr18	26209271	26209821	860	exon (NM_212688, exon 5 of 12)	NM_212688	ctsh	7.028283962	5.907818883	1.120465079	0.013255
peak_42866	chr16	5940513	5941101	-123085	Intergenic	NM_001077257_1	foxo1a	5.427722212	4.307435561	1.120286652	0.027983
peak_38151	chr25	4172266	4172502	32751	Intergenic	NM_131645	fads2	5.905363553	4.78530796	1.120055593	0.013141
peak_34476	chr17	23859133	23859961	-32643	Intergenic	NM_205752	b3gnt2b	7.937176457	6.817313038	1.119863419	0.006161
peak_38652	chr22	41108088	41109281	-12678	Intergenic	NM_001003489	tm4sf4	7.255834547	6.136309546	1.119525001	0.014328
peak_37515	chr20	16554900	16555512	-15751	Intergenic	NM_001122745	ches1	7.039219841	5.920075118	1.119144723	0.011707
peak_36288	chr2	896511	898409	308	5' UTR (NM_001083815, exon 1 of 2)	NM_001083815	foxf2a	8.797076297	7.678065328	1.119010969	0.009101
peak_29537	chr1	33190965	33192152	315	intron (NM_212904, intron 1 of 5)	NM_212904	chmp2bb	9.913448522	8.794691699	1.118756824	0.001776
peak_39977	chr21	22039611	22039972	-14373	intron (NM_001045422, intron 3 of 6)	NM_001011661	guca1d	6.492755204	5.374391946	1.118363258	0.017967
peak_30550	chr14	38912381	38912830	705706	Intergenic	NM_001048055	lect2l	7.959128313	6.840785889	1.118342425	0.002337
peak_36334	chr8	13878729	13879464	2734	intron (NM_200565, intron 2 of 4)	NM_200565	ccdc124	7.243666121	6.125767765	1.117898356	0.009201
peak_40901	chr15	36124321	36124649	-119801	Intergenic	NM_205576	psenen	5.099749972	3.98223695	1.117513022	0.020935
peak_40119	chr16	3274098	3274519	-19995	Intergenic	NM_001109728	LOC797125	7.432057351	6.314694454	1.117362896	0.018374
peak_38715	chr14	13751957	13752944	41038	intron (NM_001002326, intron 9 of 15)	NM_001002326	pls3	6.056704079	4.939358569	1.11734551	0.014492
peak_41194	chr20	2407723	2408349	148669	Intergenic	NM_001044800	tmem200a	6.694310339	5.577547883	1.116762456	0.021989
peak_38256	chr2	54602016	54602354	-116347	Intergenic	NM_001017676	capsla	6.115093328	4.998388051	1.116705277	0.013401
peak_37985	chr22	21068968	21069384	12778	exon (NM_001007779, exon 7 of 7)	NM_001007779	amh	7.043392755	5.926887122	1.116505633	0.01272
peak_36870	chr8	56129213	56129954	-26374	Intergenic	NM_205697	plxnd1	7.07136573	5.954860855	1.116504875	0.010295
peak_36791	chr19	8182632	8182968	-7500	Intergenic	NM_001282183	s100a11	6.25006048	5.133616216	1.116444264	0.010101
peak_41033	chr16	7550279	7550769	-18	promoter-TSS (NM_001080645)	NM_001080645	zgc:158657	7.092500037	5.9761162	1.116383837	0.021433
peak_33095	chr21	36638974	36639720	-97664	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	9.245814909	8.129621044	1.116193865	0.004499
peak_39264	chr13	2761203	2761690	83029	Intergenic	NM_001161598	si:ch211-239i4.3	6.493027798	5.376876878	1.11615092	0.016006
peak_33278	chr11	33125999	33126806	409099	Intergenic	NM_001160822	pcdh17	7.998868046	6.882856887	1.116011159	0.004674
peak_43737	chr22	39846834	39847185	-14991	Intergenic	NM_001114703_1	zgc:172170	6.045410894	4.929625934	1.11578496	0.031896
peak_34711	chr20	33330842	33331608	-2139	Intergenic	NM_212614	mycn	6.916347615	5.800819967	1.115527649	0.006446
peak_42402	chr23	23802136	23802572	22354	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	5.94920419	4.833746924	1.115457266	0.026046
peak_31218	chr1	585398	588893	991	intron (NM_001017766, intron 1 of 11)	NM_001017766	eed	11.04193726	9.926579576	1.115357682	0.002777
peak_41945	chr7	1037054	1037453	34205	exon (NM_001077212, exon 17 of 26)	NM_001077212	dctn1a	5.804867496	4.689561782	1.115305714	0.024505
peak_39143	chr19	11510708	11511210	-5815	intron (NM_205676, intron 2 of 9)	NM_201492	tpm3	7.88974373	6.774595052	1.115148678	0.015667
peak_32663	chr9	1004498	1004902	-32393	Intergenic	NM_001110451	stk24a	7.002392691	5.887337366	1.115055325	0.004038
peak_42396	chr24	21752687	21752897	-12733	Intergenic	NM_001003757	zdhhc23b	5.133410493	4.018414127	1.114996366	0.026012
peak_40862	chr3	25413456	25414019	-37124	intron (NM_001114426, intron 8 of 19)	NM_212612	ddx5	7.163230058	6.048258038	1.11497202	0.020762
peak_42583	chr18	22078695	22079058	12154	Intergenic	NM_001001844	ctcf	5.048735907	3.934021366	1.114714541	0.026761
peak_30529	chr12	30484919	30485921	12834	Intergenic	NM_001005778_1	rnf40	9.727007156	8.612406331	1.114600824	0.002323
peak_37436	chr1	9094454	9094841	29935	Intergenic	NM_200308	rnf175	7.056869214	5.942653267	1.114215947	0.011512
peak_33597	chr7	25943824	25944423	51837	Intergenic	NM_001002500	otub1b	6.970243283	5.856370639	1.113872644	0.005018
peak_37930	chr10	40243561	40243906	108523	intron (NM_001030224, intron 11 of 32)	NM_001166122	pcp4a	6.284943729	5.171345032	1.113598697	0.012577
peak_31986	chr25	28804192	28804963	13865	Intergenic	NM_199281	slc13a1	8.330012686	7.216551027	1.113461659	0.003417

peak_34201	chr23	34977454	34977970	220402	Intergenic	NM_212746	klf15	6.905546951	5.792102821	1.113444129	0.005772
peak_33649	chr14	3190863	3191298	-4008	Intergenic	NM_203420	bicc2	6.96090968	5.847594934	1.113314746	0.005093
peak_35927	chr18	29644387	29644819	203255	Intergenic	NM_001282139	cmc2	6.779628682	5.666619104	1.113009578	0.008399
peak_39599	chr11	32198661	32199430	-6525	Intergenic	NM_001201559	im:7137555	7.702597265	6.589636646	1.112960619	0.016877
peak_34174	chr19	27085237	27085592	-40348	intron (NM_001044937, intron 13 of 20)	NM_001044932	ints3	6.366532072	5.253731429	1.112800643	0.005729
peak_38216	chr6	25486578	25487018	200788	Intergenic	NM_212689	lmo4b	6.189755097	5.077115685	1.112639413	0.013313
peak_35624	chr3	28655140	28655799	160941	Intergenic	NM_001201336	fbxl16	7.577479943	6.465123045	1.112356898	0.007884
peak_37574	chr10	36494743	36495451	54560	Intergenic	NM_001014327	zgc:113255	7.771992593	6.659697032	1.112295561	0.011801
peak_31616	chr22	18960713	18962953	8762	intron (NM_207052, intron 3 of 6)	NM_207052	midn	9.333169974	8.220992985	1.112176989	0.003095
peak_35394	chr5	33803968	33804315	-8328	Intergenic	NM_001079833	m17	6.717119702	5.605016144	1.112103558	0.007484
peak_37349	chr11	32195470	32195969	-9851	Intergenic	NM_001201559	im:7137555	7.17319277	6.061132868	1.112059901	0.011319
peak_35522	chr10	26222209	26222669	111420	Intergenic	NM_131294	sod1	7.067089982	5.955230239	1.111859743	0.007709
peak_36561	chr1	33044731	33045432	159	exon (NM_001079980, exon 2 of 15)	NM_001079980	cd99	7.27856912	6.166907298	1.111661822	0.009674
peak_41787	chr20	1007638	1008187	-74710	intron (NM_212867, intron 12 of 15)	NM_212820	cnr1	6.403177903	5.291577978	1.111599925	0.023913
peak_38479	chr19	2947521	2947990	-22598	Intergenic	NM_200124	sp4	7.122537272	6.010940834	1.111596437	0.01394
peak_40444	chr23	7576019	7576396	-46266	Intergenic	NM_200510	tm9sf4	5.84872671	4.737167378	1.111559332	0.019382
peak_31799	chr25	23706377	23708837	68228	intron (NM_200880, intron 3 of 6)	NM_200880	dusp8a	9.877423362	8.765962267	1.111461096	0.003262
peak_41801	chr22	18775056	18775449	-4900	Intergenic	NM_200017	cirbp	6.00926551	4.898365311	1.110900199	0.023968
peak_35676	chr17	4183352	4184330	47916	Intergenic	NM_212931	crls1	7.9762902	6.865696411	1.110593789	0.007979
peak_43319	chr4	42903973	42904444	-1184415	Intergenic	NM_001114884	zgc:174696	5.160167961	4.049637296	1.110530666	0.030091
peak_43518	chr25	346149	346630	55711	intron (NM_001077771_1, intron 2 of 2)	NM_001004604	zgc:92481	7.42757961	6.317083233	1.110496378	0.03084
peak_43923	chr14	30767587	30767950	-77221	Intergenic	NM_001079996	cyp4v7	6.299005866	5.188570494	1.110435372	0.032634
peak_42480	chr9	46219815	46222751	159647	Intergenic	NM_001040004	retsatl	5.025933854	3.915527162	1.110406692	0.026356
peak_38366	chr25	13972324	13972834	12580	intron (NM_001077382, intron 5 of 13)	NM_001077382	ano10b	6.45910652	5.348712972	1.110393549	0.013705
peak_36648	chr3	36158115	36158641	-1719	Intergenic	NM_001126401	si:ch211-234h8.7	7.610208249	6.499968911	1.110239339	0.009827
peak_41631	chr2	38551192	38551726	-77712	Intergenic	NM_001123046	rem2	7.047729513	5.93768358	1.110045933	0.023395
peak_35554	chr14	1377549	1378305	-39629	Intergenic	NM_001289886	trpc7b	7.57953694	6.469723012	1.109813928	0.007766
peak_38894	chr25	11587061	11587851	-194000	Intergenic	NM_001265607	mespbb	7.702398479	6.592820502	1.109577977	0.014968
peak_42470	chr7	72646352	72646699	34093	intron (NM_001177932, intron 19 of 26)	NM_001177932	sec24d	6.536404769	5.426856637	1.109548131	0.026305
peak_40713	chr2	7012328	7012723	-18298	Intergenic	NM_001100072	LOC100001550	5.664673052	4.555580077	1.109092975	0.020281
peak_39194	chr7	51125300	51125522	13835	intron (NM_197942, intron 1 of 5)	NM_197942	rassf7b	5.55970608	4.450978913	1.108727167	0.015801
peak_40176	chr24	41443516	41443961	138640	Intergenic	NM_001077598	aoc1	6.668352413	5.56040451	1.107947903	0.018548
peak_43972	chr8	16773812	16774527	4294	Intergenic	NM_001007064	dmrta2	6.751901956	5.644007801	1.107894155	0.032829
peak_34474	chr8	51540080	51540526	65929	Intergenic	NM_001161445	plp2	7.449815944	6.342372892	1.107443052	0.006156
peak_37007	chr7	51711220	51711654	18422	intron (NM_199613, intron 1 of 10)	NM_199613	hsd17b12b	6.13718207	5.029932959	1.107249111	0.010581
peak_32249	chr17	49391149	49392798	44276	intron (NM_001076769, intron 6 of 7)	NM_001076769	tfb1m	9.211763443	8.104681432	1.107082011	0.00364
peak_38397	chr9	21810312	21810856	-3860	Intergenic	NM_200507	fam46c	7.234901387	6.128118065	1.106783322	0.013781
peak_33582	chr22	17219046	17220261	-206	promoter-TSS (NM_001079962)	NM_001079962	nfia	8.011302096	6.904811514	1.106490582	0.005005
peak_35873	chr24	37563361	37564165	69549	Intergenic	NM_001004610	tmem14cb	9.808230851	8.701842651	1.106388201	0.008323
peak_38513	chr19	11596288	11596742	44	promoter-TSS (NM_001081631)	NM_001081631	arhgef1a	7.63824311	6.53197474	1.10626837	0.014017
peak_33452	chr12	33339331	33339762	35930	Intergenic	NM_212770	cpn1	6.944718081	5.839041575	1.105676506	0.004875
peak_34121	chr3	15702787	15703249	26778	intron (NM_212636, intron 4 of 6)	NM_212636	lasp1	7.324120999	6.218560897	1.105560102	0.005672
peak_42015	chr14	30786451	30786849	-58339	Intergenic	NM_001079996	cyp4v7	5.188248356	4.082854035	1.105394321	0.024739
peak_37240	chr23	43626275	43626742	3418	exon (NM_001004647, exon 3 of 13)	NM_001004647	tgm2a	6.790429203	5.6856838	1.104745403	0.011098
peak_40649	chr12	1351952	1352267	-62416	Intergenic	NM_001284432	sox8a	6.273320226	5.168741142	1.104579084	0.020083
peak_40178	chr3	23166026	23166562	-45516	Intergenic	NM_001128744	cyb561	6.864150614	5.759586816	1.104563798	0.018554
peak_29871	chr1	7736536	7737707	-8416	Intergenic	NM_131031	actb1	8.472319469	7.367797731	1.104521738	0.001951
peak_42658	chr8	41109673	41110125	-206607	Intergenic	NM_001083829_1	pcsk5b	6.15770641	5.05346006	1.104246349	0.027119
peak_36909	chr1	17600014	17600477	-9395	Intergenic	NM_001161335	zgc:195282	7.359571888	6.255452382	1.104119507	0.010368
peak_41784	chr1	52300920	52301417	-19830	Intergenic	NM_212969	dand5	5.094611555	3.990936903	1.103674652	0.023909
peak_37553	chr13	26590386	26590945	-337173	Intergenic	NM_212982	fancl	7.996894867	6.893500928	1.103393939	0.011761
peak_35539	chr8	29794681	29795034	46126	intron (NM_001004123, intron 1 of 15)	NM_001004123	grid2	6.629041241	5.525762147	1.103279094	0.007743
peak_30665	chr21	35869912	35870496	70967	Intergenic	NM_001002534	nop16	9.22942618	8.126744762	1.102681419	0.002407
peak_34338	chr7	33272109	33272665	-5154	Intergenic	NM_131595	bdnf	7.241915734	6.139442348	1.102473386	0.005973
peak_35075	chr25	18882832	18883575	39568	intron (NM_200118, intron 10 of 11)	NM_200118	poc1b	7.946585645	6.844134364	1.10245128	0.006996
peak_29101	chr1	7166976	7168851	51485	Intergenic	NM_001030080	grapb	11.50505572	10.40266457	1.102391151	0.001559
peak_33342	chr9	58177458	58178274	2112	intron (NM_001003944, intron 2 of 11)	NM_001003944	actr3	8.225525554	7.123246353	1.102279201	0.004753
peak_39353	chr21	10178427	10178763	5482	intron (NM_001083812, intron 2 of 11)	NM_001083812	ell2	5.710836863	4.60866029	1.102176572	0.016198
peak_40847	chr5	2964160	2964899	139857	Intergenic	NM_001089476	hsf5	6.72673689	5.624645773	1.102091117	0.020709
peak_42867	chr8	3349969	3350466	93826	Intergenic	NM_001008604	zgc:103510	7.231402722	6.129326504	1.102076219	0.027997
peak_39267	chr15	13045028	13045852	-19181	Intergenic	NM_001077738	tmprss4a	6.898734898	5.796733554	1.102001344	0.016007
peak_41893	chr20	5024567	5025327	-90891	Intergenic	NM_001163779	ccnk	7.001363444	5.899374576	1.101988868	0.0243
peak_39945	chr5	61771482	61771804	519800	Intergenic	NM_001127307	dtx2	5.662044864	4.560209521	1.101835343	0.017873
peak_39783	chr2	42214523	42214857	-3997	TTS (NM_001002358)	NM_207086	adhfe1	6.435124448	5.333415309	1.101709138	0.017346
peak_43614	chr1	15406459	15407106	78	promoter-TSS (NM_200577)	NM_200577	asah1b	7.42038769	6.318985619	1.10140207	0.031283
peak_33021	chr2	4879302	4879819	23468	intron (NM_001012388, intron 2 of 21)	NM_001012388	dlg1l	7.424767285	6.32339093	1.101376355	0.004421
peak_33365	chr21	37067058	37068009	49575	intron (NM_001080003, intron 4 of 5)	NM_001039927	zgc:136851	9.198703097	8.097563945	1.101139152	0.00478
peak_35342	chr21	827227	828123	4883	intron (NM_194432, intron 2 of 4)	NM_194432	oaz2a	8.287354822	7.18645776	1.100897062	0.007391
peak_42185	chr6	46532675	46533410	-6132	Intergenic	NM_001111160	ptgis	6.75515031	5.654471205	1.100679105	0.025277
peak_38053	chr1	77258	77845	3348	exon (NM_001006033, exon 4 of 9)	NM_001006033	adprhl1	6.792600791	5.69192379	1.100677001	0.012896
peak_37241	chr4	14077722	14078560	1408	intron (NM_201489, intron 1 of 6)	NM_201489	ube2h	7.909769352	6.809100486	1.100668865	0.011099
peak_32764	chr3	11146631	11147183	135952	Intergenic	NM_001077531	srl	7.598084623	6.497520949	1.100563673	0.004138
peak_42191	chr6	55961762	55962324	6837	intron (NM_001004558, intron 1 of 15)	NM_001004558	eya2	7.177317667	6.077049294	1.100268373	0.025293
peak_41737	chr23	13900843	13902260	50843	Intergenic	NM_213334	naa10	8.154151549	7.05399635	1.100155199	0.023769
peak_36258	chr13	42254914	42255229	-55828	Intergenic	NM_001012482	pcdh15a	6.120177878	5.020350828	1.099827049	0.009034
peak_40935	chr1	38604237	38604650	-65	promoter-TSS (NM_131626)	NM_131626	hand2	6.049731918	4.950523758	1.09920816	0.021088
peak_38736	chr23	35931444	35931809	-38448	Intergenic	NM_131339	rarga	5.88500268	4.786053121	1.098949559	0.014559
peak_41961	chr16	282155	282513	4924	TTS (NM_205698)	NM_205698	irx4a	6.199959417	5.101021261	1.098938156	0.024532
peak_39239	chr7	19696619	19697116	119043	Intergenic	NM_001127308	dtx1	6.915812079	5.8168958	1.098916279	0.015918
peak_31530	chr11	30952090	30952969	-80731	Intergenic	NM_001007297	ace2	8.682570567	7.583685324	1.098885243	0.003024
peak_43731	chr10	17580748	17581285	-557	promoter-TSS (NM_001002592)	NM_001002592	ska1	6.071529195	4.972796928	1.098732267	0.03188
peak_38311	chr16	53049956	53050888	209	intron (NM_001201489, intron 1 of 12)	NM_001201489	efhb	8.145367604	7.046853602	1.098514002	0.01354
peak_41146	chr15	13244786	13245206	101709	Intergenic	NM_199847	fxyd6	6.453347436	5.354934385	1.098413051	0.021814
peak_39050	chr11	32109728	32110385	-8927	Intergenic	NM_001014332	man2b1	7.253810789	6.155735091	1.098075697	0.015396
peak_43749	chr20	50369551	50369924	4595	exon (NM_001002384, exon 5 of 15)	NM_001002384	cpsf2	6.403193058	5.305241696	1.097951362	0.031985
peak_34614	chr14	53006054	53006757	-109570	Intergenic	NM_199952	ube2d2l	9.496500101	8.398637869	1.097862232	0.006335
peak_38214	chr2	16399190	16399520	-13084	Intergenic	NM_131221	atp1b3a	6.169379377	5.071698791	1.097680585	0.013309
peak_36397	chr13	44175409	44175911	53320	exon (NM_001114316, exon 6 of 23)	NM_001114316	ablim1a	7.521834676	6.424184108	1.097650568	0.009316
peak_36987	chr2	39621033	39621548	-158035	Intergenic	NM_001002667	slc25a36a	7.26029549	6.162930115	1.097365375	0.010551
peak_33011	chr24	22445672	22446445	-29291	Intergenic	NM_001257153	flt1	8.521598883	7.424333413	1.097265471	0.004414
peak_31677	chr23	45039277	45040989	27365	Intergenic	NM_001201337	LOC794400	8.705927272	7.609006078	1.096921194	0.00315
peak_34845	chr20	38473488	38474001	-9049	Intergenic	NM_001002728	adck3	6.41795454	5.321072282	1.096882257	0.006623
peak_34333	chr4	13433748	13434216	24884	Intergenic	NM_001162854	LOC799612	6.898919141	5.8030923	1.095826841	0.005962
peak_39875	chr6	49170321	49170839	-14190	Intergenic	NM_199210	ngf	6.453332799	5.357702072	1.095630726	0.01763
peak_35420	chr15	20751482	20752023	45367	Intergenic	NM_001005590	ppp2r1b	7.080510347	5.984894123	1.095616224	0.007531
peak_39234	chr25	28791848	28792231	1327	exon (NM_199281, exon 4 of 15)	NM_199281	slc13a1	6.29143065	5.196023632	1.095407018	0.015912
peak_42798	chr21	5856329	5856970	24155	Intergenic	NM_001007056	dck	6.781828232	5.686448558	1.095379674	0.027682
peak_36530	chr11	32819024	32819798	232208	Intergenic	NM_001003624	diaph3	7.742554276	6.647408991	1.095145285	0.00961
peak_34413	chr22	25530786	25531260	8990	exon (NM_001044930, exon 13 of 21)	NM_001044930	dzank1	7.232280317	6.137295907	1.09498441	0.006074
peak_33867	chr21	35514106	35514979	86975	Intergenic	NM_001002503	ndfip1l	7.488728485	6.393748069	1.094980416	0.005356
peak_39182	chr6	59511952	59512785	3285	Intergenic	NM_001007215	gpr34a	7.166465513	6.071572448	1.094893065	0.015778
peak_35397	chr17	41430052	41430424	2392	intron (NM_001082998, intron 1 of 4)	NM_001082998	fosl2	6.974620244	5.879898277	1.094721967	0.007494
peak_41914	chr24	29432161	29432629	-51168	Intergenic	NM_001002206	abca4a	6.941312643	5.846753048	1.094559595	0.024377
peak_35705	chr5	3585655	3586607	4673	intron (NM_001008615, intron 1 of 2)	NM_001008615	hspb1	8.037793416	6.94324433	1.094549087	0.008032
peak_43223	chr19	24975022	24976512	1647	exon (NM_200087, exon 4 of 6)	NM_200087	txnipa	8.119782733	7.025271251	1.094511482	0.029623

peak_39764	chr2	45663354	45664265	55439	Intergenic	NM_213489	prpf38b	6.860549344	5.766186409	1.094362936	0.017292
peak_40575	chr9	55634743	55635643	31554	Intergenic	NM_131209	pcdh8	6.941133736	5.846870716	1.09426302	0.019892
peak_43138	chr4	39434855	39435576	53438	Intergenic	NM_001109839	zgc:173617	5.671591134	4.577881298	1.093709836	0.029215
peak_37479	chr18	32958567	32958869	16972	intron (NM_001045019, intron 2 of 5)	NM_001045019	tiparp	6.074468411	4.980981685	1.093486727	0.011629
peak_30732	chr24	2402897	2403618	-125898	Intergenic	NM_001076711	f13a1a.1	8.751890055	7.658575046	1.093315009	0.002447
peak_41343	chr23	3533595	3535374	7619	exon (NM_001080191, exon 3 of 3)	NM_001080191	spata2	8.307239822	7.214319002	1.09292082	0.022441
peak_39187	chr1	22928066	22928400	77752	Intergenic	NM_152975	mab21l2	6.457105967	5.364291477	1.09281449	0.015789
peak_42862	chr18	16612710	16613203	-203	promoter-TSS (NM_001044983)	NM_001044983	si:dkey-8l13.1	6.980039458	5.887637288	1.092402169	0.027943
peak_43036	chr22	17662342	17662839	21099	Intergenic	NM_001128684	si:ch211-197g15.	6.517514496	5.425290533	1.092223963	0.02878
peak_38167	chr24	34914795	34915516	50601	Intergenic	NM_001008579	murcb	7.045254153	5.953046422	1.092207731	0.01319
peak_35842	chr23	8842102	8842454	-2325	Intergenic	NM_200986	tcea2	6.245414387	5.153568341	1.091846046	0.00828
peak_41101	chr10	1031852	1032231	20510	intron (NM_001145996, intron 5 of 10)	NM_001099984	unc5c	5.960172675	4.86849944	1.091673235	0.021717
peak_34502	chr12	9099949	9100358	-128917	Intergenic	NM_001008634	adoa	7.374121637	6.282755657	1.091365979	0.006196
peak_39536	chr19	4774282	4774681	31127	intron (NM_001113635, intron 1 of 16)	NM_001113635	map7d1b	6.48859893	5.397351378	1.091247552	0.016722
peak_40937	chr21	42590633	42590863	28257	Intergenic	NM_199589	ik	5.028630606	3.937818158	1.090812448	0.02109
peak_40353	chr7	21721937	21722774	18092	Intergenic	NM_001204179	wu:fi38e01	6.85390114	5.763276204	1.090624935	0.019083
peak_36266	chr3	11994015	11994472	-118012	intron (NM_001042778, intron 10 of 11)	NM_001077334	hlfa	6.991874147	5.901472301	1.090401847	0.009051
peak_38731	chr12	28697818	28698631	135	exon (NM_131538, exon 1 of 2)	NM_131538	hoxb6b	8.272320892	7.182124672	1.09019622	0.014543
peak_37129	chr17	45255512	45255962	15324	intron (NM_001002374, intron 7 of 11)	NM_001002374	aldh6a1	6.048071517	4.957884852	1.090186665	0.010833
peak_37727	chr8	19107768	19109533	659	intron (NM_001005948, intron 2 of 3)	NM_001005948	zgc:103657	9.114584747	8.024478005	1.090106741	0.012103
peak_37932	chr8	8865697	8866092	28592	Intergenic	NM_173284	tsr2	6.267892874	5.17800891	1.089883963	0.012579
peak_39266	chr18	27932823	27933101	57215	exon (NM_001080159, exon 11 of 15)	NM_001080159	hipk3b	5.944550009	4.8550659	1.089484108	0.016006
peak_31417	chr23	20719727	20720986	258	intron (NM_212643, intron 1 of 9)	NM_212643	slc35c2	9.326900683	8.237764524	1.089136159	0.002923
peak_43422	chr22	39538749	39539123	-3	promoter-TSS (NM_201294)	NM_201294	b3gnt7	6.794990225	5.705878339	1.089111887	0.030522
peak_43431	chr18	13327582	13328136	533012	Intergenic	NM_001089503	mlycd	6.987019334	5.897911564	1.08910777	0.030544
peak_40207	chr16	21422558	21423223	-71030	Intergenic	NM_205550	sp8b	7.562493358	6.473661065	1.088832294	0.018623
peak_37196	chr2	9597165	9597432	10272	intron (NM_212577, intron 2 of 10)	NM_212577	ap2m1a	5.930878159	4.842049085	1.088829075	0.011003
peak_39710	chr5	50332508	50332836	114641	Intergenic	NM_001123267	mblac2	6.406566135	5.317808888	1.088757247	0.017165
peak_38633	chr25	38464457	38465178	8786	exon (NM_001040635, exon 22 of 32)	NM_001040635	fanca	7.497307238	6.409162515	1.088144723	0.014289
peak_38964	chr13	35477550	35478070	-83003	Intergenic	NM_131863	jag1b	6.145591478	5.057496766	1.088094712	0.01517
peak_31507	chr8	27397026	27397631	22372	intron (NM_001122712, intron 2 of 14)	NM_001122712	sema3bl	8.568790716	7.480846811	1.087943905	0.003001
peak_35988	chr5	67666864	67667129	96	promoter-TSS (NM_001110168)	NM_001110168	si:ch211-233f10.	6.343385461	5.255775618	1.087609843	0.008509
peak_34688	chr19	11535773	11536283	-14761	exon (NM_001081631, exon 20 of 22)	NM_205676	tpm3	6.731710329	5.644401704	1.087308625	0.006422
peak_41489	chr2	40149788	40150131	68060	intron (NM_153658, intron 2 of 15)	NM_153658	epha4b	6.079047629	4.99192749	1.087120139	0.022872
peak_43312	chr6	9215164	9215733	103	intron (NM_001024448, intron 1 of 40)	NM_001024448	myh11a	6.600472199	5.513663528	1.086808671	0.03008
peak_41524	chr18	40852094	40852700	-52426	Intergenic	NM_199804	cntn5	7.085708586	5.999258409	1.086450177	0.023015
peak_31144	chr16	14538012	14538795	22904	Intergenic	NM_001079953	isoc2	9.037168258	7.950910342	1.086257916	0.002718
peak_39121	chr17	42532604	42532982	135190	Intergenic	NM_200127	mocs3	6.153679392	5.06751704	1.086162353	0.0156
peak_37480	chr16	16158289	16158783	144002	Intergenic	NM_200232	polr3c	7.185505815	6.099411595	1.086094221	0.011629
peak_29614	chr16	57987431	57990227	957	intron (NM_200561_2, intron 1 of 10)	NM_200561_2	fzd6	10.24112619	9.155097051	1.086029137	0.001809
peak_43565	chr5	38339543	38339889	8826	TTS (NM_001017863)	NM_001017863	ppp1r14aa	5.795770433	4.709755764	1.086014668	0.031075
peak_42379	chr5	75420261	75421274	4052	exon (NM_001101670, exon 6 of 7)	NM_001101670	tbx3a	7.129952161	6.044202778	1.085749383	0.025957
peak_32519	chr14	33795497	33796129	19111	intron (NM_212940, intron 6 of 9)	NM_001201463	chic1	8.415051446	7.329302613	1.085748832	0.003911
peak_40451	chr5	17169727	17170006	47783	Intergenic	NM_213323	pebp1	5.630360448	4.544689499	1.085670949	0.019416
peak_41373	chr19	40839001	40839251	-147261	Intergenic	NM_213278	sfpq	5.696444173	4.610835772	1.085608401	0.022548
peak_30289	chr5	35482860	35483788	-39961	Intergenic	NM_001122857	dab2ipb	10.05585144	8.970246853	1.085604587	0.002185
peak_37017	chr8	55680122	55680699	15232	intron (NM_131212_1, intron 3 of 3)	NM_131212_1	exorh	6.665756192	5.58029208	1.085464111	0.010596
peak_40380	chr15	24264509	24264839	-2647	Intergenic	NR_030022		5.625024388	4.540318696	1.084705693	0.019174
peak_42716	chr4	7603549	7604027	-13390	Intergenic	NM_130937	wnt5b	7.372140068	6.287525605	1.084614463	0.027341
peak_32405	chr6	51447415	51448010	77082	Intergenic	NM_001130610	rbl1	7.402535904	6.317998884	1.084537019	0.003795
peak_35590	chr25	5916658	5917285	74518	intron (NM_001197316, intron 2 of 24)	NM_001197316	plxnb2b	7.835600587	6.751077379	1.084523207	0.00783
peak_40869	chr21	11259259	11259648	27433	Intergenic	NM_001033747	zgc:109965	6.152134478	5.06791119	1.084223288	0.020782
peak_35648	chr15	43894380	43894817	-1668	Intergenic	NR_023326		7.59216528	6.508012202	1.084153078	0.007919
peak_38694	chr16	36481386	36481658	17424	Intergenic	NM_001077806	fam46ba	5.608844195	4.524892003	1.083952191	0.01442
peak_41744	chr20	3594758	3595184	216878	Intergenic	NM_001089520	zgc:162161	5.349884986	4.265987769	1.083897217	0.023798
peak_36097	chr9	27218523	27219321	81763	Intergenic	NM_131023	efnb2a	8.014291366	6.930417804	1.083873562	0.008717
peak_35665	chr12	38837279	38837870	-59	promoter-TSS (NM_001040355)	NM_001040355	pmp22b	9.594964053	8.511117041	1.083847011	0.007965
peak_32479	chr17	16035762	16036545	104475	Intergenic	NM_001080054	znf395a	7.89049057	6.806901705	1.083588864	0.003871
peak_42310	chr23	6033550	6033965	-94690	Intergenic	NM_200558	mybpha	6.301795417	5.218505331	1.083290085	0.025683
peak_40137	chr2	10791209	10791682	27099	intron (NM_001130643, intron 4 of 17)	NM_001130643	ssbp3a	7.240317121	6.157040792	1.08327633	0.018424
peak_34881	chr3	43475656	43476560	37279	Intergenic	NM_201585	micall2a	7.397175482	6.313925379	1.083250104	0.006683
peak_41433	chr21	8812425	8812807	77996	intron (NM_001089543, intron 7 of 45)	NM_001089543	ptpn13	6.465106108	5.382109669	1.082996439	0.022721
peak_35034	chr9	21339877	21340505	66000	intron (NM_001159666, intron 2 of 8)	NM_001159666	igsf3	8.534086622	7.451354202	1.08273242	0.006915
peak_42556	chr18	48143653	48144145	44048	Intergenic	NM_001007334	yif1b	6.627014747	5.54524837	1.081766377	0.026685
peak_39931	chr6	508642	509115	-45301	Intergenic	NM_200514	lgals2b	6.878268689	5.79677377	1.081494919	0.017821
peak_35263	chr22	1075799	1076527	-7662	Intergenic	NM_001005595	impact	7.547162375	6.466140214	1.081022161	0.007279
peak_33624	chr15	36916486	36917181	-2774	Intergenic	NM_001044799	stim1a	8.613982689	7.533059452	1.080923237	0.005054
peak_41001	chr23	15387641	15388021	53381	intron (NM_001003833, intron 3 of 20)	NM_001003833	sulf2b	5.85979236	4.778898872	1.080893488	0.021292
peak_31254	chr5	43876994	43878286	34	promoter-TSS (NM_001128747)	NM_001128747	eral1	8.415881037	7.335058504	1.080822532	0.002811
peak_33849	chr8	42375344	42375853	-4654	Intergenic	NM_001075105_1	aplnra	7.935655907	6.854878146	1.080777761	0.005319
peak_33247	chr1	53825348	53825823	-44594	Intergenic	NM_199523	ucp1	7.583109104	6.502518751	1.080590353	0.004647
peak_40607	chr6	16200174	16200657	123597	Intergenic	NM_001002395	faimb	6.048052133	4.967657389	1.080394744	0.019933
peak_40388	chr19	50246623	50247811	-47411	Intergenic	NM_001033754	zgc:114119	7.317787773	6.23747906	1.080308713	0.019201
peak_37630	chr17	16629054	16629475	32738	intron (NM_001033743, intron 4 of 6)	NM_001033743	ston2	7.499488781	6.419655116	1.079833665	0.011901
peak_38862	chr14	15266596	15267200	57569	Intergenic	NM_131008	spon2b	7.970939378	6.89136486	1.079574517	0.014913
peak_37603	chr16	34976597	34977427	405	exon (NM_001002620, exon 1 of 6)	NM_001002620	coq3	8.244101271	7.165143086	1.078958185	0.011861
peak_41536	chr8	688347	688593	-1873	Intergenic	NM_001017864	zgc:110697	5.791013355	4.71209316	1.078920195	0.023045
peak_40887	chr6	34735244	34735623	40708	Intergenic	NM_212621	uap1	7.434354577	6.355877866	1.07847671	0.020887
peak_35938	chr5	22976392	22977053	12347	intron (NM_001126404, intron 4 of 9)	NM_001126404	arhgap25	7.514384352	6.436245283	1.078139069	0.008425
peak_40254	chr18	49366868	49367723	10893	intron (NM_001080622, intron 2 of 8)	NM_001080622	cd276	7.538771417	6.460829554	1.077941863	0.018778
peak_41151	chr8	10890240	10890628	24226	Intergenic	NM_001077391	zgc:153997	6.091049431	5.0136726	1.077376831	0.021827
peak_35755	chr15	1999917	2000611	119200	intron (NM_131769, intron 6 of 7)	NM_201121	sbds	8.805035042	7.727809226	1.077225817	0.008137
peak_37046	chr19	44023136	44024139	226	intron (NM_001017633, intron 1 of 10)	NM_001017633	zgc:110239	7.475665646	6.398530042	1.077135604	0.010652
peak_40031	chr25	37414235	37414779	29471	Intergenic	NM_001103164	zgc:173652	6.97076922	5.893646611	1.077122609	0.018105
peak_37449	chr11	26190337	26191225	-177	promoter-TSS (NM_131066)	NM_131066	snai1a	8.002483431	6.926269323	1.076214107	0.011548
peak_39400	chr1	57653216	57654010	15975	3' UTR (NM_001033742, exon 12 of 12)	NM_001033742	b3gntl1	7.719526973	6.643529924	1.075997049	0.016313
peak_37292	chr1	47675481	47675844	26	promoter-TSS (NM_001003579)	NM_001003579	morc3b	6.821542622	5.74571695	1.075825672	0.011208
peak_35132	chr16	28942277	28942827	-15116	Intergenic	NM_001080576	esrp1	6.96408287	5.888365635	1.075717235	0.007086
peak_30404	chr24	1293370	1294250	37175	intron (NM_181497, intron 2 of 16)	NM_181497	nrp1a	9.270142113	8.194612765	1.075529349	0.002255
peak_31516	chr3	13591251	13591909	174	5' UTR (NM_001002679, exon 1 of 5)	NM_001002679	rab3db	8.41479002	7.339299614	1.075490406	0.003013
peak_38382	chr9	19393409	19393987	-40517	Intergenic	NM_212745	tsc22d1	7.037212548	5.962076342	1.075136206	0.013752
peak_42325	chr18	16548298	16548665	27527	intron (NM_001044986, intron 7 of 11)	NM_001044986	swap70b	5.789026601	4.714325375	1.074701226	0.025735
peak_38102	chr2	7149925	7150490	-13510	Intergenic	NM_001271291	agrp2	6.22845644	5.154379194	1.074077246	0.012989
peak_38169	chr24	33262840	33263417	116066	Intergenic	NM_001018143	trdmt1	7.440063224	6.366468141	1.073595082	0.013194
peak_39098	chr8	46784242	46785429	52297	Intergenic	NM_131663	star	8.07488092	7.001631229	1.073249691	0.015523
peak_35223	chr24	301240	302046	24983	intron (NM_001013328, intron 2 of 4)	NM_001020572	impa2	7.478148361	6.405058382	1.073089979	0.007215
peak_38183	chr3	51462121	51462522	-76428	Intergenic	NM_001102636	zgc:165582	6.224345526	5.151542076	1.07280345	0.01323
peak_43608	chr12	47017900	47018385	82094	Intergenic	NM_001083007	zgc:153932	6.348266783	5.275645817	1.072620966	0.031262
peak_33560	chr7	25951694	25952185	44021	Intergenic	NM_001002500	otub1b	7.393388092	6.320775458	1.072612634	0.004977
peak_36203	chr3	39381438	39382016	-81654	Intergenic	NM_001099423	plcd3a	6.928162173	5.855609164	1.072553009	0.008924
peak_38997	chr15	5684580	5685131	8139	intron (NM_213383, intron 6 of 12)	NM_213383	hnrnpl2	6.379560539	5.307081136	1.072479403	0.015264
peak_43645	chr4	61578222	61578533	158619	Intergenic	NM_001044890	si:dkey-61p9.3	5.58471341	4.512278876	1.072434533	0.031425
peak_34062	chr15	8873323	8873843	-29441	Intergenic	NM_213155	ap2s1	7.47418262	6.401849357	1.072333263	0.005601
peak_36839	chr14	30673635	30674004	-4181	Intergenic	NM_001042718	pdlim3b	6.29058832	5.218627426	1.071960893	0.010207
peak_34449	chr14	7550201	7550802	-115341	Intergenic	NM_212777	brd8	7.422967291	6.351150776	1.071816515	0.006122

peak_31136	chr25	6475889	6476728	201	5' UTR (NM_001002409, exon 1 of 8)	NM_001002409	rbpms2a	8.504169524	7.432396278	1.071773246	0.002714
peak_38901	chr15	1182704	1183184	12643	intron (NM_001008596, intron 2 of 7)	NM_001008596	lxn	7.26388462	6.192239898	1.071644722	0.014981
peak_41573	chr15	3057298	3057872	-2899	Intergenic	NM_001045369	zgc:153184	7.351493521	6.280016741	1.07147678	0.023203
peak_41857	chr22	29573786	29575201	-356979	Intergenic	NM_001003584	jagn1b	5.960546374	4.889234239	1.071312135	0.024144
peak_38617	chr19	30416365	30416878	-2973	Intergenic	NM_001100060	paqr7a	8.134193247	7.062892596	1.071300651	0.014256
peak_41843	chr2	39586360	39586770	-123310	Intergenic	NM_001002667	slc25a36a	7.081971583	6.01087884	1.071092743	0.024091
peak_41728	chr1	20916324	20916648	144306	Intergenic	NM_001083851	zgc:153957	6.273035958	5.202111135	1.070924822	0.023728
peak_30648	chr18	9362362	9363163	396028	Intergenic	NM_001100024	LOC566572	9.656408376	8.585573332	1.070835044	0.002395
peak_42669	chr18	48484698	48485670	-342366	Intergenic	NM_001045317	mob2b	7.079525883	6.008886079	1.070639805	0.027166
peak_33772	chr13	51961685	51962657	-37041	Intergenic	NM_144764	gpib	8.720732145	7.650140925	1.070591219	0.005228
peak_36706	chr6	44098330	44099016	3582	intron (NM_001110200, intron 1 of 6)	NM_001110200	gxylt2	8.325488379	7.255102764	1.070385615	0.009923
peak_39306	chr6	35978094	35978557	-181956	Intergenic	NM_001102618	rhcg2a	6.572032865	5.502018156	1.07001471	0.01609
peak_33251	chr7	54208105	54209007	403	exon (NM_001077542, exon 1 of 9)	NM_001077542	mtfmt	8.25265368	7.182900744	1.069752937	0.004652
peak_38272	chr12	28601825	28602238	31	promoter-TSS (NM_213517)	NM_213517	bc2	6.718802692	5.649214822	1.06958787	0.013434
peak_33327	chr21	37379908	37380832	107536	Intergenic	NM_001080058	zgc:158291	8.161857845	7.092300256	1.06955759	0.004728
peak_39161	chr9	43654723	43655047	-25314	Intergenic	NM_001007182	gulp1a	5.926887339	4.857478717	1.069408623	0.015714
peak_35495	chr2	41247396	41248162	-178694	Intergenic	NM_001020567	zgc:110158	8.681984967	7.612865219	1.069119748	0.007655
peak_34893	chr24	7750380	7750968	21	promoter-TSS (NM_001114549)	NM_001089336	ptrfb	7.298036398	6.228930531	1.069105867	0.00671
peak_35893	chr16	12697890	12698780	153420	Intergenic	NM_131602	dedd1	8.398548132	7.329455301	1.069092831	0.008349
peak_35089	chr7	41950085	41950713	21007	Intergenic	NM_200305	dnajb6b	8.251491435	7.18243451	1.069056925	0.007015
peak_33838	chr7	65989102	65990234	-65102	Intergenic	NM_001123055	zgc:158420	8.382803197	7.313993959	1.068809238	0.005304
peak_37298	chr23	23194123	23194544	243646	Intergenic	NM_212722	eno1a	6.936284366	5.867529988	1.068754378	0.011215
peak_41017	chr9	2539143	2539380	-1727	Intergenic	NM_001128295	zgc:172057	5.421549829	4.35282796	1.068721869	0.021366
peak_35699	chr18	24811498	24812038	23773	exon (NM_153662, exon 6 of 6)	NM_153662	st8sia2	7.640779113	6.572217003	1.06856211	0.008022
peak_33750	chr7	76777657	76778191	-23174	Intergenic	NM_001076724	casq1b	9.799776165	8.731644599	1.068131566	0.005204
peak_36105	chr5	47807906	47808755	1009	exon (NM_001114846, exon 2 of 2)	NM_001114846	f2r	8.504173057	7.436362981	1.067810076	0.008733
peak_34834	chr25	16796177	16796892	83362	Intergenic	NM_212847	tead1a	8.394368543	7.326653223	1.06771532	0.006607
peak_35656	chr19	21282943	21283737	-465	promoter-TSS (NM_214704)	NM_214704	cndp2	7.245559276	6.177846505	1.067712771	0.007941
peak_32597	chr11	19081561	19082109	43806	Intergenic	NM_131245	id1	8.37167163	7.303986428	1.067685202	0.003976
peak_40079	chr13	22873119	22873433	15698	exon (NM_001001840, exon 23 of 24)	NM_001001840	nfkb2	6.262748094	5.19517301	1.067575084	0.018255
peak_32443	chr14	10648551	10649198	-11021	Intergenic	NM_001020648	cysltr1	7.946234314	6.878678937	1.067555377	0.003834
peak_38303	chr7	7658267	7658644	49443	Intergenic	NM_001177454	zgc:175248	6.671375445	5.604254586	1.067120859	0.013529
peak_31121	chr23	13788663	13789591	72919	Intergenic	NR_030650		9.008439679	7.941503873	1.066935807	0.002698
peak_36246	chr10	32776678	32777499	13039	intron (NM_001082857, intron 1 of 2)	NM_001082857	foxo1b	8.998701151	7.932268513	1.066432638	0.009012
peak_41233	chr10	46572057	46573248	1960	intron (NM_199778, intron 8 of 8)	NM_199778	elovl7b	7.822319939	6.756061869	1.06625807	0.022125
peak_39851	chr15	42201143	42201530	20822	intron (NM_212939, intron 6 of 19)	NM_212939	zgc:85932	6.360390512	5.294167297	1.066223215	0.01756
peak_36436	chr12	48392252	48392933	-121512	Intergenic	NM_198072	mtr	8.513726329	7.447631398	1.066094931	0.009418
peak_34117	chr2	29687827	29688387	-3160	Intergenic	NM_131040	eng2b	8.011131662	6.945062086	1.066069576	0.005667
peak_43181	chr6	48367086	48367402	-8811	Intergenic	NM_201150	rhoae	5.191861895	4.126088383	1.065773512	0.029435
peak_37952	chr14	19581800	19582282	17471	intron (NM_001020594, intron 2 of 4)	NM_001020594	neurl1b	6.959476518	5.894013851	1.065462667	0.012624
peak_42777	chr12	47852883	47853399	37590	Intergenic	NM_001252350	plaub	6.937878225	5.87250384	1.065374384	0.027605
peak_43240	chr3	14286773	14287099	40281	intron (NM_001080084, intron 14 of 17)	NM_001080084	zgc:158403	6.098146181	5.033028724	1.065117458	0.029701
peak_41716	chr2	26676379	26676849	29913	Intergenic	NM_214793	rps8a	6.622782177	5.557736365	1.065045811	0.023682
peak_43760	chr2	634499	635062	-224502	Intergenic	NM_212920	wrnip1	6.809602052	5.744817868	1.064784185	0.032034
peak_35795	chr3	40970804	40971551	137	intron (NM_212673, intron 1 of 13)	NM_212673	cyp3c1	7.399934666	6.335157837	1.064776829	0.008196
peak_40603	chr5	4869463	4869911	33700	Intergenic	NM_001110024	zbtb43	5.844524025	4.779792231	1.064731795	0.019927
peak_40080	chr19	6544425	6544795	161468	Intergenic	NM_001044921	gsk3aa	5.795397703	4.731144323	1.064253379	0.018264
peak_36954	chr9	43478610	43479605	12402	intron (NM_001004010, intron 1 of 12)	NM_001004010	calcrla	7.950512048	6.886366638	1.064145411	0.010472
peak_42598	chr3	47723449	47723839	24658	Intergenic	NM_001017696	mrpl12	6.03402861	4.970065247	1.063963363	0.026855
peak_34968	chr1	1402419	1402886	-43928	Intergenic	NM_131689	atp1a1a.4	6.983007244	5.91927195	1.063735294	0.006808
peak_37467	chr6	1522722	1523506	10286	intron (NM_001110010, intron 1 of 1)	NM_001110010	plxna1b	7.768657641	6.705327711	1.06332993	0.011602
peak_40580	chr23	4080881	4081554	8241	intron (NM_001045332, intron 1 of 8)	NM_001045332	b4galt5	8.751428014	7.688192383	1.063235631	0.019898
peak_32470	chr22	33620185	33621018	42440	Intergenic	NM_001040377	zgc:136895	8.776517763	7.713478075	1.063039688	0.003863
peak_38007	chr25	17512895	17513625	-88072	Intergenic	NM_001202419	kdm7ab	7.563101907	6.500474077	1.06262783	0.01277
peak_35180	chr1	29683054	29684067	-59078	intron (NM_001045236, intron 3 of 10)	NM_001080561	zgc:158645	8.229421907	7.166815911	1.062605995	0.007162
peak_43623	chr20	6827936	6828312	-68861	Intergenic	NM_001168349_1	adcy1a	5.624578824	4.562211377	1.062367447	0.031337
peak_40520	chr16	39226720	39227696	13967	Intergenic	NM_198368	taf12	6.847233297	5.785007176	1.062226121	0.019665
peak_43043	chr1	57741303	57741729	-71928	intron (NM_001113805, intron 8 of 9)	NM_001033742	b3gntl1	6.330297903	5.268254785	1.062043118	0.028809
peak_38132	chr22	36821724	36822187	579128	Intergenic	NM_001003610	nicn1	6.048735907	4.986795052	1.061940855	0.013077
peak_37065	chr6	48961842	48962447	-7330	Intergenic	NM_001256640	si:ch211-105j21.1	7.625790806	6.564121894	1.061668912	0.010698
peak_37504	chr22	15406529	15407086	19414	intron (NM_001007788, intron 4 of 7)	NM_001007788	mfng	7.05835458	5.996805417	1.061549163	0.011674
peak_37550	chr12	48046596	48047177	14352	Intergenic	NM_001098781	lhpp	7.261003996	6.199640539	1.061363457	0.011758
peak_37099	chr2	4934241	4934891	-31538	Intergenic	NM_001012388	dlg1l	7.381268224	6.320132076	1.061136147	0.010777
peak_35096	chr7	13071097	13072262	-118319	Intergenic	NM_001037578	fam154b	7.890959175	6.829887132	1.061072042	0.007025
peak_40190	chr25	35729677	35730067	-34324	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	6.3935036	5.332496634	1.061006966	0.018587
peak_41980	chr1	54704351	54704645	124270	Intergenic	NM_130954	dla	5.899482471	4.838512185	1.060970286	0.024588
peak_33402	chr7	24998499	24999204	41413	Intergenic	NM_001082848	zgc:162171	7.94641259	6.885483359	1.060929232	0.004817
peak_42617	chr7	26446012	26446375	-45192	intron (NM_001076730, intron 20 of 21)	NM_212666	cyp26b1	6.634596694	5.573685972	1.060910722	0.026926
peak_39352	chr23	30472332	30472826	185151	Intergenic	NM_212848	uts2a	7.93050721	6.869649292	1.060857918	0.016197
peak_36986	chr10	29307526	29307962	209807	Intergenic	NM_131000	alcama	7.366532072	6.305733969	1.060798103	0.010551
peak_44021	chr23	18389026	18390047	-88792	Intergenic	NM_001099239	nucks1b	5.189453875	4.128883268	1.060570607	0.033028
peak_43496	chr5	34609730	34610451	29822	Intergenic	NM_213490	zgc:55461	7.023550337	5.962986899	1.060563438	0.030775
peak_42337	chr11	12519976	12520783	60392	Intergenic	NM_001099982_1	sp2	6.224639552	5.164095916	1.060543635	0.025763
peak_37384	chr8	49959386	49960042	71	promoter-TSS (NM_001257149)	NM_001257149	kank3	8.101686178	7.041501318	1.060184859	0.011404
peak_39546	chr6	7499703	7500243	49440	Intergenic	NM_001002070	pa2g4a	6.819586141	5.759549798	1.060036343	0.016758
peak_37376	chr13	49844027	49844368	-118344	Intergenic	NM_001003463	ntpcr	6.833373928	5.773499963	1.059873965	0.011392
peak_42249	chr11	27578713	27579342	36359	Intergenic	NM_214739	map1lc3a	7.170295511	6.110464909	1.059830602	0.025465
peak_36045	chr5	68217922	68218488	-91167	Intergenic	NM_001002491	olfm1a	7.673214056	6.613414975	1.059799081	0.008607
peak_38602	chr19	30385010	30385598	-967	promoter-TSS (NM_001020609)	NM_001020609	trnau1apa	6.943804597	5.884603996	1.0592006	0.014227
peak_39732	chr8	48259473	48259956	-100535	exon (NM_001077211, exon 47 of 59)	NM_001077766	fam160b2	7.695390027	6.636253506	1.059136521	0.017225
peak_40032	chr23	6448648	6449001	124088	Intergenic	NM_001077146	bmp7b	5.448543158	4.389483843	1.059059315	0.018106
peak_37704	chr15	36023550	36024362	-80281	Intergenic	NM_001040687	nphs1	7.199677769	6.140814668	1.058863101	0.012053
peak_36147	chr11	31902101	31902553	198802	Intergenic	NM_001014332	man2b1	7.428871017	6.370366677	1.05850434	0.008831
peak_38983	chr13	42341354	42342298	-142583	Intergenic	NM_001012482	pcdh15a	6.81076613	5.752494761	1.05827137	0.015231
peak_43582	chr24	11608321	11608578	-14742	Intergenic	NM_205728	gli3	5.071837003	4.01379027	1.058046733	0.03113
peak_42363	chr11	11760680	11761169	-64478	Intergenic	NM_001017588	zgc:110712	7.197723398	6.139765333	1.057958065	0.025881
peak_35324	chr11	8610013	8610708	-38049	Intergenic	NM_001020583	tbl1xr1a	7.434474266	6.376539093	1.057935174	0.007355
peak_39043	chr19	37022891	37023445	17906	intron (NM_001024098, intron 1 of 5)	NM_001024098	ptp4a2b	6.272182815	5.214655136	1.057527679	0.015379
peak_32571	chr22	42142678	42144073	550	intron (NM_201070, intron 1 of 5)	NM_201070	lmcd1	9.314419925	8.256941672	1.057478252	0.003953
peak_37547	chr17	9495397	9496148	299049	Intergenic	NM_213310	egln3	7.20640115	6.148952756	1.057448394	0.011756
peak_40285	chr19	24752581	24753181	114	intron (NM_001080161, intron 1 of 2)	NM_001080161	s100v2	7.413569228	6.356175455	1.057393773	0.018905
peak_42466	chr24	18214435	18214785	-265376	intron (NM_001281991, intron 13 of 23)	NM_213495	cul1b	5.735028496	4.677639899	1.057388597	0.026291
peak_31853	chr23	17971256	17972223	184	exon (NM_212854, exon 1 of 5)	NM_212854	rnd1	9.344394558	8.28705589	1.057338668	0.003319
peak_43854	chr4	23839469	23840058	311880	Intergenic	NM_131211	gata3	6.187343555	5.13004799	1.057295565	0.032372
peak_40459	chr25	11464311	11464578	-70988	Intergenic	NM_001265607	mespbb	5.724231595	4.666953529	1.057278067	0.019444
peak_41264	chr2	29856936	29857300	-6840	Intergenic	NM_001007065	trpa1a	5.942743101	4.88566897	1.057074132	0.022224
peak_37465	chr17	38815627	38816182	74882	Intergenic	NM_131525	sptb	7.702081771	6.645984114	1.056097657	0.011599
peak_36667	chr16	49705456	49706733	8113	Intergenic	NM_001003549	lamtor2	7.610876671	6.555066944	1.055809727	0.009859
peak_42747	chr1	7465105	7465355	39600	Intergenic	NM_001100441	syngr3b	5.388803822	4.333364857	1.055438964	0.027472
peak_42180	chr25	35716010	35716459	-20686	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	6.553854025	5.498501361	1.055352664	0.025265
peak_37892	chr23	55027	55573	54723	Intergenic	NM_130985	twist3	6.918711919	5.863363794	1.055348125	0.012484
peak_38005	chr11	26090735	26091484	175	intron (NM_131569, intron 1 of 18)	NM_131569	trpc4apa	7.687701453	6.632540498	1.055160954	0.012767
peak_39746	chr12	28713913	28714149	1860	TTS (NM_131142)	NM_131142	hoxb1b	5.668568554	4.613444702	1.055123853	0.017245
peak_34943	chr14	36235593	36236790	126631	Intergenic	NM_001007108	il12ba	9.922358944	8.867315516	1.055043428	0.006785
peak_38601	chr22	42144666	42145252	2134	intron (NM_201070, intron 1 of 5)	NM_201070	lmcd1	7.216210376	6.161175385	1.055034992	0.014227

peak_32665	chr6	109138	111173	-13397	Intergenic	NM_001291889	bglapl	9.586843996	8.531833113	1.055010883	0.004044
peak_38286	chr1	27473204	27473717	88760	Intergenic	NM_131197	ednrb1a	6.500089063	5.445099899	1.054989164	0.013483
peak_40966	chr3	2947289	2947840	50486	Intergenic	NM_001044323	zgc:152753	6.969345824	5.914522536	1.054823287	0.021161
peak_33885	chr18	48792923	48793834	-34172	Intergenic	NM_001045317	mob2b	8.288616865	7.233932318	1.054684547	0.005377
peak_36261	chr9	21798203	21798622	-16032	TTS (NM_001256622)	NM_200507	fam46c	6.746154871	5.691540401	1.05461447	0.009036
peak_31353	chr18	28653670	28655071	38532	intron (NM_131515, intron 2 of 15)	NM_131515	spon1a	9.025752835	7.97121913	1.054533705	0.002887
peak_42666	chr13	17169774	17170104	343396	intron (NM_001020701, intron 4 of 6)	NM_001020701	c10orf11	6.112217263	5.057852547	1.054364716	0.027156
peak_34178	chr17	10282854	10283555	67	promoter-TSS (NM_131284)	NM_131284	foxa1	8.85542367	7.801065896	1.054357774	0.005735
peak_38318	chr11	22402880	22404181	14782	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	8.512335122	7.458150115	1.054185007	0.013551
peak_37747	chr18	6067610	6068408	49320	Intergenic	NM_201082	calub	8.835937416	7.782083368	1.053854049	0.012151
peak_39361	chr2	184359	185495	-14157	intron (NM_001168350_1, intron 11 of 16)	NM_001098257	igfbp1b	8.276305808	7.222451827	1.053853982	0.016217
peak_38753	chr15	28245624	28246174	10902	intron (NM_001030235, intron 4 of 21)	NM_001030235	eml2	7.897997692	6.844624276	1.053373417	0.014611
peak_43694	chr16	24994412	24994820	-38850	Intergenic	NM_001079956	pbxip1b	6.143745093	5.090382091	1.053363002	0.03168
peak_40660	chr20	41869747	41870834	87935	Intergenic	NM_001201561	LOC555548	7.473557026	6.420225176	1.05333185	0.020107
peak_33477	chr17	14479517	14480575	32288	intron (NM_001204257, intron 4 of 17)	NM_001204257	ppp1r13ba	9.086146546	8.033474902	1.052671644	0.004894
peak_39751	chr1	55016844	55017554	144438	Intergenic	NM_001145690	tekt4	7.862723463	6.810079108	1.052644355	0.017251
peak_37874	chr1	15161478	15162032	-25480	Intergenic	NM_001037103	fgf20a	6.626582779	5.574278732	1.052304047	0.012462
peak_42854	chr23	5330286	5330604	82046	intron (NM_181498, intron 9 of 10)	NM_001128815	zgc:194242	6.094933242	5.042982287	1.051950955	0.027913
peak_36406	chr15	30151535	30151855	3207	intron (NM_001098179, intron 1 of 10)	NM_001098179	akap1b	6.29565127	5.243993384	1.051657885	0.009346
peak_39938	chr25	33628498	33629322	105695	intron (NM_001123047, intron 22 of 29)	NM_130970	isl2a	7.565193037	6.513620472	1.051572565	0.017844
peak_41997	chr6	18304205	18304502	43598	intron (NM_001089402, intron 2 of 14)	NM_001089402	usp43a	5.498144577	4.446585144	1.051559433	0.024665
peak_37205	chr8	23592502	23594967	-190672	Intergenic	NM_001143977	sypa	9.253346736	8.201829487	1.051517249	0.011017
peak_35203	chr8	19925322	19926181	-5657	TTS (NM_001004593)	NM_001130076	colgalt2	8.376042034	7.324828152	1.051213882	0.007188
peak_36542	chr25	32183247	32183688	62781	Intergenic	NM_001009901	tnni2a.4	6.870199126	5.818992011	1.051207115	0.009635
peak_38287	chr15	4153733	4154762	126534	Intergenic	NM_131670	atp1b3b	9.382834209	8.332127039	1.05070717	0.013486
peak_42395	chr21	28859999	28860338	-4973	TTS (NM_001013344)	NM_001173499	slc23a1	5.030649868	3.980104001	1.050545867	0.026011
peak_33396	chr16	115892	117804	-55232	Intergenic	NM_200627_1	cdkal1	8.948157415	7.897634656	1.05052276	0.004812
peak_32854	chr11	2149487	2150757	124	exon (NM_131530, exon 1 of 2)	NM_131530	hoxc6b	8.388460505	7.338070416	1.050390089	0.004227
peak_39417	chr5	22098430	22098993	150	exon (NM_001030130, exon 1 of 1)	NM_001030130	si:ch211-108c6.2	7.640111547	6.58980871	1.050302837	0.016363
peak_39691	chr21	19418155	19418636	-124520	Intergenic	NM_213226	zgc:85869	6.529967598	5.479781	1.050186598	0.01712
peak_40928	chr24	2293935	2294211	67357	Intergenic	NM_212616	zgc:85789	5.916711607	4.866698693	1.050012914	0.021068
peak_36194	chr4	36126879	36127206	-563181	Intergenic	NM_001135989_1	zgc:174690	6.768960068	5.719091038	1.049869029	0.008911
peak_43725	chr14	13542780	13543098	-168473	Intergenic	NM_001002326	pls3	5.101031722	4.051272495	1.049759227	0.031859
peak_43546	chr24	10772332	10772700	-52141	Intergenic	NR_105068		6.028630606	4.97909174	1.049538867	0.030995
peak_37354	chr4	22016608	22016992	1875	intron (NM_001122611, intron 1 of 21)	NM_001122611	magi2	6.31265569	5.263148345	1.049507345	0.011329
peak_39004	chr6	17827452	17829034	-170575	Intergenic	NM_131029	ntn1a	7.148556805	6.099496597	1.049060208	0.015278
peak_40150	chr22	11486614	11487025	61831	Intergenic	NM_200832	mid1ip1b	7.169828609	6.120781553	1.049047056	0.018454
peak_37736	chr15	17022854	17024152	35638	Intergenic	NM_201993	arcn1b	8.543084006	7.494369287	1.048714719	0.012126
peak_37079	chr11	2021435	2022410	-19995	Intergenic	NM_001083310	rargb	8.986619204	7.938000791	1.048618413	0.010733
peak_43984	chr11	46237808	46238154	2891	intron (NM_001082993, intron 1 of 16)	NM_001082993	sos1	6.260135339	5.21152934	1.048606	0.032869
peak_40186	chr3	59650777	59651268	11653	intron (NM_001285388, intron 4 of 15)	NM_001285388	si:ch73-281f12.4	7.43193746	6.38351154	1.048425921	0.018566
peak_37060	chr11	2194393	2194799	-13648	intron (NM_200495, intron 6 of 12)	NM_131545	hoxc12b	6.84338688	5.795063316	1.048323564	0.010681
peak_35577	chr8	8319052	8319697	30347	exon (NM_131848, exon 10 of 10)	NM_131848	tfe3a	7.467351348	6.419031609	1.04831974	0.007804
peak_40826	chr21	13337526	13338038	147738	intron (NM_201168, intron 17 of 17)	NM_201168	sfswap	6.02321233	4.974959575	1.048252755	0.020642
peak_35703	chr6	6602530	6602922	23432	Intergenic	NM_001014319	zgc:113227	7.167689364	6.119850754	1.04783861	0.00803
peak_43882	chr2	3229896	3230245	-44959	intron (NM_001113597, intron 13 of 15)	NM_001045425	adipoqb	5.799745742	4.751946817	1.047798925	0.032496
peak_41255	chr22	6194872	6195209	16759	Intergenic	NM_001100104	rnasel4	5.948450794	4.900692215	1.047758579	0.022192
peak_41851	chr25	4489649	4490112	-178325	Intergenic	NM_131786	cry3	6.448794869	5.401123257	1.047671611	0.024127
peak_41817	chr23	44355334	44355766	43971	intron (NM_214728, intron 6 of 19)	NM_001080623	zgc:158659	6.734822087	5.687214389	1.047607698	0.024007
peak_42992	chr21	26969096	26969571	-51	promoter-TSS (NR_023323)	NR_023323		6.144366862	5.096828603	1.047538258	0.028624
peak_33634	chr16	27999438	27999906	-710	promoter-TSS (NM_001128252)	NM_001128252	zgc:172162	7.595699719	6.548509569	1.047190151	0.00507
peak_38861	chr14	23559971	23560369	58448	Intergenic	NM_001004614	smyd5	6.91288511	5.865753727	1.047131383	0.01491
peak_41422	chr24	11563324	11563622	30234	intron (NM_205728, intron 1 of 14)	NM_205728	gli3	5.797770985	4.75093133	1.046839654	0.022682
peak_34430	chr20	9455558	9456367	54456	Intergenic	NM_200633	kcnk5b	8.609873923	7.563115951	1.046757971	0.006092
peak_35413	chr11	10935796	10936330	-21201	Intergenic	NM_001083573	psmd14	7.017783526	5.971313552	1.046469974	0.007519
peak_43309	chr16	56278064	56278763	-25867	Intergenic	NM_001164394	ubr5	6.92091209	5.874509115	1.046402975	0.030054
peak_43698	chr15	46070705	46071116	-7986	intron (NM_001089504, intron 6 of 9)	NM_001098194	zgc:162872	5.446023636	4.399702367	1.04632127	0.031712
peak_43248	chr16	24771223	24771703	92217	Intergenic	NM_001013495	s100t	5.388278976	4.342459179	1.045819797	0.029759
peak_42132	chr13	41432936	41433332	6061	intron (NM_201030, intron 2 of 18)	NM_201030	prkg1a	6.071856071	5.026056161	1.04579991	0.025107
peak_39388	chr19	48737901	48738372	-55377	intron (NM_131813, intron 7 of 8)	NM_001003986	abrab	6.796375505	5.750640293	1.045735213	0.016291
peak_38719	chr23	14714407	14715011	166743	Intergenic	NM_001006104	gss	7.267758534	6.222186582	1.045571952	0.014506
peak_33382	chr17	39130673	39131175	-76027	exon (NM_212821, exon 8 of 17)	NM_001017770	slc24a4a	8.07896158	7.033731273	1.045230307	0.0048
peak_41000	chr1	55311082	55311558	34504	Intergenic	NM_213358	pi4k2a	6.305969655	5.260889685	1.045079971	0.021291
peak_43197	chr1	4151999	4152583	-20958	Intergenic	NM_001003842	spry2	6.620102562	5.575071895	1.045030667	0.029502
peak_34650	chr12	33302844	33304152	-118	promoter-TSS (NM_212770)	NM_212770	cpn1	9.145689495	8.10085296	1.044836536	0.00638
peak_39862	chr13	49799244	49799664	-73601	Intergenic	NM_001003463	ntpcr	6.070529039	5.025809699	1.044719341	0.017586
peak_33656	chr5	41271415	41272224	-1614	Intergenic	NM_001077765	bmp3	8.617414696	7.572788904	1.044625791	0.005102
peak_31753	chr23	7759458	7760701	-5533	Intergenic	NM_205718	pofut1	9.758085026	8.713559977	1.044525049	0.003231
peak_40437	chr13	53815514	53815794	-28031	intron (NM_199954, intron 1 of 2)	NM_200370	zgc:64043	5.882768753	4.838711239	1.044057514	0.019357
peak_38093	chr12	9886710	9887701	-45442	Intergenic	NM_213300	exoc6	8.00273061	6.958755398	1.043975212	0.012976
peak_42626	chr9	53557876	53558238	383554	Intergenic	NM_001030165	Mar-04	5.892424221	4.848629667	1.043794554	0.026954
peak_42469	chr9	26186805	26187136	27985	Intergenic	NM_001017796	esd	6.118596649	5.074846786	1.043749862	0.0263
peak_33506	chr3	23195575	23196362	-75190	Intergenic	NM_001128744	cyb561	7.822994083	6.779460832	1.043533251	0.004928
peak_39430	chr20	46844039	46846773	7722	3' UTR (NM_001002493, exon 4 of 4)	NM_001002493	jdp2	10.14562561	9.102109794	1.043515813	0.016389
peak_38902	chr17	45719433	45720093	79580	Intergenic	NM_001014367	zgc:110783	6.694522626	5.652084742	1.042437884	0.014983
peak_39718	chr11	28151076	28151729	78968	Intergenic	NM_001002171_1	hdac11	7.455338587	6.413071726	1.042266862	0.017187
peak_35622	chr13	16328232	16329443	-26	promoter-TSS (NM_183410)	NM_183410	anxa11a	9.780681802	8.738558468	1.042123334	0.007879
peak_41400	chr5	66988571	66988928	51679	intron (NM_001256818, intron 15 of 21)	NM_001256818	dnm1b	6.27216622	5.230138514	1.042027706	0.022626
peak_35477	chr5	45197483	45199050	103246	Intergenic	NM_001126415	si:dkey-40c11.1	8.284674081	7.24337269	1.041301391	0.007614
peak_34021	chr25	4798679	4799394	-51232	Intergenic	NM_001080181	gnb5a	8.498759602	7.457573165	1.041186437	0.005545
peak_33049	chr11	7556720	7557781	-878	promoter-TSS (NM_213367)	NM_213367	eltd1	9.286615724	8.245715534	1.04090019	0.004447
peak_40364	chr15	34853297	34853699	303872	Intergenic	NM_001080189_1	zgc:158328	6.481973078	5.441449204	1.040523875	0.019122
peak_32493	chr11	38698419	38698980	-62128	Intergenic	NM_001080057	ppp1r26	8.773704487	7.734000357	1.03970413	0.003885
peak_32471	chr16	9151532	9152133	-55874	Intergenic	NM_001030206	ano10a	8.902696298	7.863147159	1.039549139	0.003864
peak_34659	chr19	35090766	35092335	24926	intron (NM_001076776, intron 1 of 10)	NM_001076776	runx1t1	9.171365823	8.131844327	1.039521497	0.006396
peak_41455	chr25	14980158	14980453	24752	intron (NM_200042, intron 4 of 6)	NM_200042	mpped2	6.400577824	5.361190281	1.039387543	0.022795
peak_39033	chr12	36515007	36515397	-83290	Intergenic	NM_001256248	tbccl	6.546802824	5.507551302	1.039251522	0.015353
peak_39497	chr11	31912498	31913233	188264	Intergenic	NM_001014332	man2b1	7.519686688	6.480505385	1.039181303	0.016626
peak_38353	chr14	53607791	53608196	36940	Intergenic	NM_001024461	polr2b	6.156456076	5.117509736	1.03894634	0.013661
peak_38823	chr16	15621734	15622137	10167	exon (NM_001003509, exon 7 of 7)	NM_001003509	grwd1	6.940417886	5.901563142	1.038854744	0.014815
peak_38355	chr7	50447728	50448161	120456	Intergenic	NM_131433	igf2a	7.161541782	6.122951234	1.038590548	0.013672
peak_35197	chr18	4958666	4959277	-7726	Intergenic	NM_198877	mibp2	9.369164815	8.33097078	1.038194035	0.007185
peak_39072	chr2	40571394	40571766	71000	Intergenic	NM_001077534	uggt1	5.876772819	4.838721005	1.038051815	0.01544
peak_33420	chr10	44823267	44823767	156040	Intergenic	NM_214688	vcanb	7.99998496	6.961967709	1.038017252	0.00484
peak_42622	chr13	36443248	36443708	8387	exon (NM_214759, exon 13 of 14)	NM_214759	lgmn	6.181582264	5.143651047	1.037931217	0.026945
peak_36121	chr20	47931476	47932038	-49693	Intergenic	NM_200967	efhc1	7.9126114	6.874709006	1.037902394	0.008769
peak_36564	chr13	29936578	29937052	-57746	Intergenic	NM_131184	pax2a	7.38747603	6.34989467	1.03758136	0.009677
peak_37309	chr2	679309	680040	190720	Intergenic	NM_131728	foxc1a	8.148711754	7.111414178	1.037297576	0.011234
peak_40513	chr16	32363978	32364468	-106269	Intergenic	NM_001199365	sema6e	6.246010754	5.208762464	1.03724829	0.019643
peak_43832	chr5	71519048	71519369	153200	Intergenic	NM_001168464	tnfsf13	5.699832016	4.662586592	1.037245424	0.032304
peak_39142	chr22	30489784	30490361	56331	Intergenic	NM_001098266	si:dkey-222p3.1	7.748183611	6.711053244	1.037130366	0.015665
peak_36925	chr16	42531436	42532208	-6185	Intergenic	NM_001076716	rbms3	8.118750235	7.081688454	1.037061781	0.010396
peak_41213	chr23	10764858	10765731	63634	intron (NM_001077564, intron 7 of 16)	NM_001077564	foxp1a	8.097338934	7.060319988	1.037018946	0.022052
peak_37058	chr10	40089896	40090324	-18296	Intergenic	NM_001040291	mmp30	7.995760482	6.958899653	1.036860828	0.010678
peak_39048	chr18	29553205	29553675	201231	Intergenic	NM_131844	maf	6.846638043	5.809947749	1.036690294	0.015394

peak_41387	chr4	28750161	28750522	445195	Intergenic	NM_001113341	si:dkey-13e3.1	6.307096948	5.270481316	1.036615631	0.022594
peak_43650	chr16	29963346	29963605	13923	Intergenic	NM_001017734	steap4	5.807248169	4.771029831	1.036218338	0.031448
peak_33189	chr2	20297907	20298434	56604	Intergenic	NM_001172653	agla	8.433969487	7.397756392	1.036213095	0.004592
peak_31847	chr25	35320819	35321954	-4801	Intergenic	NM_201218	bnip2	9.636747675	8.600668056	1.036079619	0.00331
peak_37211	chr19	31132227	31133124	33039	Intergenic	NM_001245063	zgc:122991	8.129878253	7.094463533	1.035414721	0.011028
peak_37894	chr22	35664818	35665603	-287449	Intergenic	NM_213117_1	zgc:65870	7.925983588	6.890726766	1.035256822	0.012494
peak_37539	chr13	52290288	52290770	4822	intron (NM_205688, intron 4 of 8)	NM_205688	dyx1c1	6.760444393	5.725189295	1.035255098	0.011739
peak_33160	chr21	22131819	22132554	71	promoter-TSS (NM_001077780)	NM_001077780	rb1	9.435402854	8.400226679	1.035176175	0.004565
peak_40050	chr3	59464099	59464791	49893	Intergenic	NM_001013539	dhrs7ca	7.281265341	6.246228641	1.0350367	0.018156
peak_41351	chr12	16931589	16932154	-226686	Intergenic	NM_001012487	znf281b	6.225815055	5.190970983	1.034844072	0.022491
peak_33916	chr21	8511516	8512688	206712	Intergenic	NM_001076741	esm1	10.17440189	9.139565543	1.034836351	0.005432
peak_37088	chr18	48136404	48137481	37091	Intergenic	NM_001007334	yif1b	8.36713536	7.332363023	1.034772337	0.010752
peak_42009	chr12	26895500	26895878	11947	Intergenic	NM_207055	zfp36l2	7.024226113	5.989911151	1.034314962	0.02472
peak_35757	chr7	40770818	40771725	-8537	Intergenic	NM_001003423	tnni2b.2	8.135444772	7.10136328	1.034081491	0.008141
peak_34096	chr20	36772874	36774120	51092	Intergenic	NM_001030275	ptrhd1	9.742294607	8.708249439	1.034045169	0.005638
peak_40026	chr10	22626466	22627407	44700	intron (NM_001166336, intron 2 of 7)	NM_001166336	nlgn2a	8.083760259	7.049761467	1.033998792	0.018093
peak_43155	chr2	47915220	47915580	38297	intron (NM_001076634, intron 2 of 3)	NM_001100050	mbnl1	7.113497251	6.079506965	1.033990286	0.029318
peak_38866	chr9	36131883	36132240	-91029	Intergenic	NM_152886	appb	7.04889227	6.014941201	1.033951069	0.014916
peak_38761	chr16	24767199	24767540	96311	Intergenic	NM_001013495	s100t	6.655940379	5.622100179	1.0338402	0.014639
peak_43699	chr22	35684837	35685305	-307310	Intergenic	NM_213117_1	zgc:65870	5.957344745	4.923524458	1.033820287	0.031723
peak_33889	chr17	8013231	8013714	-39053	Intergenic	NM_001017841	slc18b1	8.929019456	7.895344902	1.033674554	0.005385
peak_42016	chr24	24792277	24792715	-16075	3' UTR (NM_001083026, exon 21 of 21)	NM_001025453	eif1axb	7.746570403	6.713504783	1.03306562	0.024742
peak_43232	chr19	772879	773510	2948	intron (NM_001109727, intron 4 of 5)	NM_001109727	tmem79a	6.479496943	5.446585455	1.032911488	0.029691
peak_41830	chr14	1498229	1499019	81068	intron (NM_001289886, intron 1 of 6)	NM_001289886	trpc7b	6.19033979	5.15772239	1.032617399	0.024051
peak_40267	chr25	31208252	31208718	-14892	intron (NM_200881, intron 3 of 10)	NM_001003511	alkbh3	7.286501892	6.25400808	1.032493812	0.018827
peak_43975	chr2	56891468	56892109	13582	intron (NM_001045453, intron 2 of 7)	NR_105069		5.783026575	4.750538721	1.032487854	0.032838
peak_38391	chr5	38254910	38255299	122	TTS (NM_001005390)	NM_001017899	capns1a	6.744720495	5.712336967	1.032383528	0.01377
peak_40394	chr18	47022912	47023410	30792	intron (NM_131348, intron 4 of 8)	NM_131348	fli1a	6.08067278	5.048340723	1.032332057	0.019217
peak_39207	chr6	46634727	46635435	29063	Intergenic	NM_001199369	oxtrl	7.802998193	6.771051876	1.031946317	0.01584
peak_34348	chr11	6075146	6075789	7523	Intergenic	NM_001030244	vsg1	9.016505558	7.984724924	1.031780634	0.00598
peak_33799	chr1	59365154	59366063	-110526	Intergenic	NM_001114587	zgc:172091	9.154483058	8.122779722	1.031703337	0.005252
peak_43447	chr16	52351274	52351564	303791	Intergenic	NM_001110524	brd2b	5.751061931	4.719694759	1.031367172	0.0306
peak_41554	chr14	11652213	11652606	-23225	Intergenic	NM_001077607	irg1l	5.468600414	4.437327801	1.031272614	0.023132
peak_32926	chr9	34925824	34927562	-33925	Intergenic	NR_039078		9.505840821	8.474783091	1.03105773	0.004319
peak_37527	chr23	15108235	15108607	39382	exon (NM_001004114, exon 17 of 18)	NM_001004114	phf20b	6.771791406	5.741163795	1.030627611	0.011728
peak_40896	chr19	22367894	22368304	-169209	Intergenic	NM_001159669	LOC100003866	6.271329168	5.240845749	1.030483419	0.020912
peak_39542	chr24	41427927	41428453	-154164	Intergenic	NM_001045408_1	zgc:153659	7.140476404	6.110103362	1.030373043	0.016745
peak_36754	chr19	23014244	23014933	-51403	Intergenic	NM_001100032	pleca	8.481054	7.450795661	1.030258339	0.010018
peak_42566	chr23	39106422	39106938	60612	Intergenic	NM_001080609	sall4	6.890583222	5.860386734	1.030196487	0.026709
peak_36027	chr11	35752382	35752916	3113	intron (NM_001001818, intron 1 of 8)	NM_001001818	gnai2a	7.773394259	6.743270234	1.030124025	0.008575
peak_40286	chr23	41809900	41810523	45829	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	6.809809469	5.779887062	1.029922407	0.018905
peak_36302	chr9	26608450	26609255	-131416	Intergenic	NM_001110278	acvr2aa	7.692398347	6.662652295	1.029746052	0.009128
peak_35969	chr18	33658785	33659339	85977	Intergenic	NM_001114446	tbrg1	6.905363553	5.876387521	1.028976032	0.008478
peak_39261	chr1	30696659	30697125	29406	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	7.066269949	6.037306114	1.028963836	0.016005
peak_37067	chr23	14670579	14671315	-155018	Intergenic	NM_001113646	nkain4	9.237847297	8.208907612	1.028939685	0.010703
peak_43299	chr15	39705089	39705487	66618	Intergenic	NM_001291899	LOC100333736	6.683001699	5.654170508	1.028831191	0.029987
peak_41553	chr7	37393156	37393660	-228465	Intergenic	NM_001045227	irx5a	5.899092613	4.87067792	1.028414694	0.023127
peak_43303	chr20	14784927	14785295	-5123	intron (NM_001128524, intron 14 of 19)	NR_030742		6.28635284	5.2579634	1.028389441	0.030013
peak_34263	chr12	23392477	23393192	200584	Intergenic	NM_001006087	ormdl3	8.131613117	7.103527013	1.028086104	0.005857
peak_42718	chr7	39451281	39451727	28463	Intergenic	NM_131885	cebpa	6.597977765	5.570010391	1.027967375	0.027345
peak_36279	chr13	13149216	13150000	6019	intron (NM_131606, intron 1 of 15)	NM_131606	fgfr3	7.956829377	6.928890643	1.027938734	0.009085
peak_39124	chr11	727442	727772	2530	intron (NM_001037119, intron 4 of 8)	NM_001037119	tamm41	5.942743101	4.914845294	1.027897808	0.015608
peak_41892	chr9	3362637	3363181	-21640	Intergenic	NM_131305	dlx1a	6.748406012	5.720537063	1.027868949	0.024297
peak_38018	chr4	40891054	40891639	-25104	Intergenic	NM_001100956	si:dkeyp-4c4.1	6.831047278	5.803188803	1.027858475	0.012813
peak_42052	chr23	19013523	19014211	-37584	Intergenic	NM_001007446	nsfl1c	7.175636934	6.14794925	1.027687684	0.024837
peak_41452	chr22	21426171	21426789	45832	Intergenic	NM_213337	tmem59l	7.011312039	5.98369218	1.027619859	0.022785
peak_42925	chr1	2187992	2188323	17964	Intergenic	NM_001089560	ggact.3	5.477045347	4.449466133	1.027579214	0.028255
peak_40302	chr11	1177641	1178131	30543	exon (NM_001123238_1, exon 9 of 15)	NM_001123238_1	atp2b2	6.273604439	5.246748421	1.026856018	0.018942
peak_38124	chr15	43890408	43891137	-5494	Intergenic	NR_023326		7.224042862	6.197679244	1.026363618	0.013054
peak_40346	chr12	45343208	45343668	-199786	Intergenic	NM_001110011	dock1	6.301532965	5.275729885	1.025803081	0.019066
peak_33003	chr7	37865128	37866576	71090	Intergenic	NM_200105	aktip	11.00961631	9.984001744	1.025614563	0.0044
peak_35510	chr10	32893280	32894127	-12426	Intergenic	NM_001008653	lhfp	7.695702021	6.670189523	1.025512498	0.007694
peak_41158	chr8	31679010	31679974	47430	Intergenic	NM_001039830	tas2r200.1	5.883119583	4.857615989	1.025503594	0.021861
peak_43687	chr9	16130633	16131028	-347606	Intergenic	NM_200144	upp2	5.865104932	4.839799218	1.025305713	0.031655
peak_43914	chr8	9923295	9923701	191712	intron (NM_001098489, intron 8 of 31)	NM_001098489	plxna3	5.453598309	4.428522245	1.025076064	0.032605
peak_39228	chr19	1957492	1957801	21110	intron (NM_198819, intron 19 of 28)	NM_200029	rplp1	6.377959878	5.353010075	1.024949803	0.015888
peak_39953	chr12	47992340	47992980	7629	intron (NM_001007187, intron 1 of 4)	NM_001007187	fam53b	7.6554143	6.630520942	1.024893358	0.017904
peak_31960	chr10	20561098	20563960	-35775	Intergenic	NM_001099244	loxl2a	11.27999582	10.25521253	1.024783289	0.003396
peak_43842	chr2	30487819	30488078	11300	intron (NM_001002431, intron 1 of 4)	NM_001002431	rgs20	5.940933928	4.916275377	1.024658552	0.032343
peak_41391	chr14	37084365	37085208	28286	Intergenic	NM_001005983	tmem144b	7.315435103	6.290884889	1.024550214	0.022604
peak_34550	chr18	8689866	8690453	53778	intron (NM_131048, intron 15 of 17)	NM_131048	sema3d	7.686006679	6.661684031	1.024322648	0.006255
peak_33531	chr11	2611254	2611915	-1115	Intergenic	NM_001130768	zgc:193807	9.552419992	8.528195871	1.024224121	0.004951
peak_43838	chr15	22690212	22690468	5929	intron (NM_001012367, intron 1 of 14)	NM_001012367	mcamb	5.68663467	4.662997955	1.023636715	0.032325
peak_37826	chr19	46941220	46942078	-3877	intron (NM_001044748, intron 17 of 20)	NM_200994	gpr19	7.173201657	6.149605646	1.02359601	0.012343
peak_35900	chr17	35921328	35921709	137217	Intergenic	NM_131336	sox11a	7.374261891	6.350886706	1.023375185	0.008359
peak_34373	chr2	39754537	39755222	85259	Intergenic	NM_001005919	epha4a	9.065328729	8.041991094	1.023337635	0.006009
peak_36593	chr24	31382780	31383214	32998	Intergenic	NM_199753	cnn3a	7.010790733	5.987626152	1.02316458	0.009726
peak_39224	chr3	34646408	34647482	-347	promoter-TSS (NM_198911)	NM_198911	sept9a	7.712934184	6.689780109	1.023154075	0.015882
peak_36022	chr19	26436498	26437106	-19863	Intergenic	NM_001202459	jarid2b	7.558080514	6.534974431	1.023106082	0.008571
peak_36146	chr17	18601157	18601705	25945	Intergenic	NM_213385	vrk1	7.921093522	6.898164327	1.022929196	0.00883
peak_35976	chr9	4816132	4816711	135310	Intergenic	NM_198356	prpf40a	9.00643182	7.984066725	1.022365095	0.008487
peak_40668	chr4	12058462	12058759	3262	exon (NM_001083052, exon 3 of 3)	NM_001083052	si:dkey-6a5.3	5.580584442	4.558296265	1.022288177	0.020145
peak_37218	chr11	2838956	2840430	97617	Intergenic	NM_001080669	srpk1b	8.631198897	7.609031139	1.022167758	0.011043
peak_40608	chr10	875819	876106	-109830	Intergenic	NM_001099984_1	unc5c	5.963368041	4.941323885	1.022044156	0.019941
peak_40821	chr12	21449544	21450615	45438	Intergenic	NM_199879	mgrn1a	8.184977079	7.163327639	1.02164944	0.020634
peak_41331	chr9	34773384	34773755	-30595	Intergenic	NM_001002711	fundc1	6.376902072	5.355300271	1.021601801	0.022398
peak_42059	chr9	57338408	57339747	-49332	Intergenic	NM_001166337	nlgn4b	7.169675911	6.148087503	1.021588408	0.02485
peak_35282	chr10	34599799	34600256	-2093	Intergenic	NM_200088	c21orf59	8.040060263	7.018514305	1.021545959	0.007302
peak_42545	chr3	48064397	48064732	4746	Intergenic	NM_201311	pmp22a	5.936632892	4.915228887	1.021404005	0.02664
peak_34069	chr13	30659434	30660641	-70346	Intergenic	NM_001113339	zmiz1a	9.218658756	8.197262516	1.02139624	0.005609
peak_43357	chr12	38839420	38839947	-2168	Intergenic	NM_001040355	pmp22b	6.766325142	5.745078295	1.021246847	0.030254
peak_37799	chr21	16611921	16612503	143771	Intergenic	NM_001080558	zgc:158666	7.209095624	6.188082129	1.021013495	0.01228
peak_36521	chr24	28293592	28294241	-30	promoter-TSS (NM_001115100)	NM_001115101	LOC100141479	7.250621241	6.229713758	1.020907482	0.009592
peak_43077	chr19	23867978	23868680	85452	Intergenic	NM_001114698	irgf1	5.048071517	4.027190318	1.020881199	0.028911
peak_38940	chr6	46839742	46840507	38300	intron (NM_001014317, intron 12 of 13)	NM_001014317	igfn1.1	7.177916279	6.157059736	1.020856543	0.015102
peak_43264	chr21	9923149	9923484	-21861	intron (NM_001076714, intron 19 of 19)	NM_001030231	zgc:114104	5.820169959	4.799905115	1.020264844	0.029829
peak_43602	chr6	20084306	20084819	6065	Intergenic	NM_001002216	gadd45ab	6.619418835	5.59935761	1.020061225	0.031216
peak_34864	chr25	37283901	37284851	-30180	Intergenic	NM_213163	amfr	8.431289557	7.411362092	1.019927464	0.00666
peak_41203	chr3	35875894	35876391	-21203	Intergenic	NM_001017817	crlf3	6.222874499	5.203243288	1.019631212	0.022028
peak_40570	chr20	15514304	15514774	-44069	Intergenic	NM_199987	jun	7.278577381	6.259049071	1.01952831	0.019881
peak_33418	chr5	1699310	1699892	-3523	intron (NM_001245965, intron 15 of 22)	NR_029931		8.088219913	7.06908903	1.019130883	0.004839
peak_43215	chr24	18478823	18479243	249915	intron (NM_001281991, intron 1 of 23)	NM_001281991	cntnap2a	6.556192245	5.537266048	1.018926197	0.0296
peak_37280	chr17	31823858	31824304	45925	Intergenic	NM_001002442	nubpl	6.413561705	5.39494608	1.018615626	0.011177
peak_32475	chr1	17356718	17357566	-214	promoter-TSS (NM_131859)	NM_131859	klf3	10.32454869	9.306027335	1.018521359	0.003866
peak_34034	chr22	27567380	27567882	-34	promoter-TSS (NM_198068)	NM_198068	cxcl12b	9.059894034	8.041499854	1.01839418	0.005559

peak_33978	chr3	42783246	42784256	157	intron (NM_001002184, intron 1 of 3)	NM_001002184	litaf	8.528245133	7.510161603	1.01808353	0.005501
peak_34773	chr21	12058171	12059001	171	exon (NM_001080586, exon 1 of 14)	NM_001080586	fam129ba	8.160470878	7.14272166	1.017749218	0.00652
peak_41135	chr21	31624880	31626769	38377	Intergenic	NM_194365	adra2db	7.993509163	6.975866165	1.017642999	0.021784
peak_38505	chr13	50168378	50169049	-20884	Intergenic	NM_001030104	tsnax	6.416668333	5.399106698	1.017561635	0.013996
peak_35183	chr8	36546805	36548154	259291	Intergenic	NM_001007206	si:busm1-194e12	7.934921609	6.917705599	1.01721601	0.007165
peak_36336	chr13	48811638	48812440	-25719	Intergenic	NM_001098262	zmp:000000113	7.75964484	6.74257871	1.01706613	0.009203
peak_39949	chr6	22174025	22174755	94069	Intergenic	NM_200704	aanat1	6.376108209	5.359445906	1.016662303	0.017887
peak_32382	chr7	76776461	76777524	-22242	Intergenic	NM_001076724	casq1b	9.598886985	8.582276355	1.016610631	0.003767
peak_40957	chr11	10973987	10976482	-60372	Intergenic	NM_001083573	psmd14	9.741546997	8.725205421	1.016341576	0.02114
peak_37687	chr1	50861300	50862011	60593	Intergenic	NM_001045851	aimp1	8.698419178	7.682186524	1.016232654	0.012017
peak_34945	chr15	16457926	16459450	32671	Intergenic	NM_213076	rps6kb1b	8.584538264	7.568682666	1.015855598	0.006787
peak_32520	chr1	60038144	60042240	3784	TTS (NM_205657)	NM_205657	thumpd1	10.99453756	9.979058941	1.015478622	0.003911
peak_41312	chr1	56881486	56881916	29044	Intergenic	NR_030502		7.525538499	6.510267451	1.015271047	0.022348
peak_36998	chr20	25930756	25932036	352	5' UTR (NM_001045193, exon 1 of 13)	NM_001045193	elmsan1a	9.745409258	8.730199645	1.015209614	0.010567
peak_40815	chr21	32416217	32416581	-29735	Intergenic	NM_200026	rps14	6.240462523	5.226440431	1.014022092	0.020618
peak_43581	chr20	54328628	54332694	6108	intron (NM_001045073, intron 5 of 10)	NM_001045073	hsp90aa1.2	11.27727788	10.2633766	1.013901277	0.031123
peak_42266	chr20	7789527	7790038	27715	Intergenic	NM_001244756	bloc1s2	7.385373566	6.371644132	1.013729434	0.025516
peak_33383	chr4	7528359	7529027	-19278	intron (NM_130937, intron 2 of 5)	NM_001015043	fbxl14b	8.801630758	7.788286526	1.013344232	0.004801
peak_41552	chr7	24947742	24948047	-34857	Intergenic	NM_001003457	zgc:92429	5.499117148	4.485798587	1.01331856	0.023123
peak_34544	chr5	73140467	73141704	18681	intron (NM_001003629, intron 3 of 4)	NM_001003629	rgs3a	11.28265201	10.26979875	1.012853266	0.006245
peak_36882	chr4	714019	714465	3170	intron (NM_001159585, intron 1 of 10)	NM_001159585	sim1b	6.932308494	5.919734025	1.012574469	0.010314
peak_33035	chr5	19443868	19444981	-114563	Intergenic	NM_001100015	chfr	9.102159321	8.089714299	1.012445022	0.004433
peak_43974	chr13	5030357	5030746	215395	Intergenic	NM_131893	meis1	6.454837402	5.442597731	1.012239671	0.032835
peak_34223	chr5	68182836	68183429	-94368	Intergenic	NM_131153	rxrab	8.611785997	7.599584401	1.012201596	0.005807
peak_36350	chr6	6875528	6876071	17123	intron (NM_212842, intron 10 of 10)	NM_200185	tuba8l4	7.676985432	6.664985051	1.012000381	0.009231
peak_43745	chr15	5864771	5865184	47281	Intergenic	NM_001003524	sh3bgr	6.657478453	5.645515532	1.011962921	0.031954
peak_43478	chr17	12918981	12919365	16573	intron (NM_200311, intron 19 of 24)	NM_200311	ctage5	6.32012056	5.308209723	1.011910838	0.030716
peak_35164	chr13	1994382	1994972	93516	Intergenic	NM_001013445	lrrc1	8.019309662	7.007485855	1.011823807	0.007138
peak_39382	chr19	14684673	14685390	28983	Intergenic	NM_001045185	edn2	7.479859293	6.468414215	1.011445078	0.016278
peak_35383	chr24	328343	329159	52091	intron (NM_001013328, intron 2 of 4)	NM_001020572	impa2	7.828722512	6.817484612	1.0112379	0.00747
peak_41168	chr14	34615146	34616591	-27114	Intergenic	NM_201032	xpnpep2	8.617072235	7.606253772	1.010818463	0.021901
peak_35152	chr3	55527455	55528109	-6925	Intergenic	NM_001159970	s1pr2	8.31735821	7.306592805	1.010765405	0.007111
peak_36468	chr13	43231922	43232722	-23065	Intergenic	NM_200659	mlh1	8.548807134	7.538124575	1.010682559	0.009479
peak_40730	chr13	1101538	1102968	74876	Intergenic	NM_001256207	perp	8.013450685	7.00292208	1.010528604	0.020332
peak_38598	chr14	36185827	36186498	76602	Intergenic	NM_001007108	il12ba	7.225382925	6.215042915	1.010340009	0.014216
peak_40529	chr3	43802713	43803048	-106287	Intergenic	NM_001002529	psmg3	6.134680951	5.124427773	1.010253178	0.019707
peak_40259	chr5	66686445	66687635	30816	Intergenic	NM_001007457	prdm12b	7.174419809	6.164360956	1.010058853	0.018799
peak_33964	chr13	50307186	50307985	115335	Intergenic	NM_199981	irf2bp2a	8.590394808	7.580426652	1.009968155	0.005488
peak_39526	chr18	39416901	39417273	155495	Intergenic	NM_001076747	fbxo36a	6.072182872	5.062432271	1.009750601	0.016696
peak_41684	chr13	29856722	29857368	114328	Intergenic	NM_001145571	chst3a	7.345820302	6.336313323	1.009506979	0.023583
peak_41750	chr23	41320900	41321974	-152027	Intergenic	NM_001139458	si:dkey-194e6.1	7.791101039	6.781631391	1.009469649	0.023814
peak_34803	chr5	50187115	50188037	-144640	Intergenic	NM_001130962	mef2cb	9.153599934	8.144582704	1.00901723	0.006558
peak_43328	chr19	46156743	46157339	-561327	Intergenic	NM_001045120	rad21b	6.129665666	5.121234249	1.008431417	0.03013
peak_34563	chr20	19501978	19503140	80617	Intergenic	NM_001045157	snx17	8.751686044	7.743558494	1.00812755	0.006277
peak_42138	chr6	33245808	33246455	11207	intron (NM_201143, intron 2 of 12)	NM_201143	pik3r3b	7.596715677	6.58861937	1.008096307	0.025132
peak_41270	chr13	46596089	46596605	48632	Intergenic	NM_001004108	bsdc1	6.901690687	5.893932753	1.007757934	0.022239
peak_36161	chr20	3266142	3267083	104	5' UTR (NM_001111223, exon 1 of 10)	NM_001111223	spint1b	8.219845593	7.212765819	1.007079774	0.008864
peak_34148	chr6	11742600	11743720	-20100	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	9.123103191	8.116808006	1.006295185	0.0057
peak_41052	chr2	45246180	45246702	4737	Intergenic	NM_001136254	zgc:195195	7.799252306	6.793140374	1.006111932	0.021503
peak_41021	chr11	37301444	37301848	51400	Intergenic	NM_001004590	cyb561d1	7.248181664	6.242071286	1.006110378	0.021381
peak_37575	chr19	33256572	33257171	30149	intron (NM_001044918, intron 2 of 8)	NM_001044918	znf704	9.176984717	8.171069203	1.005915514	0.011804
peak_40249	chr13	31095804	31096336	-39941	Intergenic	NM_001037105	drgx	6.871514073	5.865642261	1.005871812	0.018771
peak_36576	chr3	34631708	34632686	14401	intron (NM_198911, intron 1 of 10)	NM_198911	sept9a	7.966292633	6.96113391	1.005158723	0.009695
peak_38705	chr18	2953781	2954266	368446	Intergenic	NM_001045470	fam168a	7.488973282	6.48401021	1.004963071	0.014466
peak_36071	chr9	24883913	24884539	97	promoter-TSS (NM_001123237)	NM_001123237	serpine3	8.563966801	7.559442816	1.004523985	0.008664
peak_35886	chr22	13262511	13263639	40948	intron (NM_131264, intron 2 of 10)	NM_131264	ahr2	8.34058765	7.336141867	1.004445783	0.00834
peak_37982	chr2	16406028	16406859	-11151	Intergenic	NM_201033	xrn1	8.379292601	7.374881672	1.004410929	0.01271
peak_37249	chr15	24794594	24795078	11640	intron (NM_001002222, intron 1 of 9)	NM_001002222	pak4	7.071356193	6.067029608	1.004326585	0.01111
peak_38670	chr18	46684076	46684519	63799	Intergenic	NM_001037706	smtla	7.911419396	6.907537186	1.00388221	0.014359
peak_43329	chr5	68857449	68857918	-77265	Intergenic	NM_001002088	tmem8c	6.924174385	5.920552639	1.003621746	0.030136
peak_34049	chr20	42932816	42933821	20451	Intergenic	NM_001089390	si:ch211-215m21	9.137526611	8.134078326	1.003448284	0.005586
peak_41975	chr10	25307647	25308199	-110778	Intergenic	NM_001017829	timm10b	5.809602052	4.806274221	1.003327831	0.024569
peak_38884	chr5	22660330	22660791	2272	intron (NM_198374, intron 3 of 5)	NM_198374	pik3ip1	7.986846006	6.983639947	1.00320606	0.01496
peak_39741	chr24	13921971	13922288	92867	Intergenic	NM_131193	eya1	6.525187442	5.522558488	1.002628954	0.017238
peak_40481	chr17	20037657	20038037	3572	TTS (NM_182887)	NM_182887	gnrh3	6.368411589	5.36587384	1.00253775	0.019525
peak_33815	chr23	37776476	37777461	-103828	Intergenic	NM_200856	tor1l3	9.889535133	8.887103597	1.002431535	0.005273
peak_36992	chr23	6276585	6277043	148367	Intergenic	NM_200558	mybpha	7.495832091	6.49461671	1.001215382	0.010555
peak_34636	chr6	48127437	48128197	32274	intron (NM_201202, intron 9 of 14)	NM_201202	phc2b	9.265673758	8.264855374	1.000818383	0.006359
peak_36361	chr5	41350381	41350848	-46435	intron (NM_199829, intron 2 of 14)	NM_001105279	prkg2	8.47046114	7.46983633	1.00062481	0.009248
peak_37549	chr2	33045023	33045877	1038	exon (NM_131723, exon 2 of 3)	NM_131723	klf17	7.217401383	6.217008147	1.000393237	0.011757
peak_36894	chr8	45840169	45840846	2497	exon (NM_130917, exon 1 of 1)	NM_130917	fzd10	7.619885557	6.619946679	0.999938878	0.010343
peak_43294	chr21	26253431	26253810	126788	Intergenic	NM_001037670	pcxa	6.370804592	5.371599074	0.999205519	0.029952
peak_41407	chr7	552080	552702	-35731	intron (NM_001079984, intron 3 of 8)	NM_001079984_1	nrxn2b	7.262588215	6.2639059	0.998682316	0.022645
peak_35817	chr2	1912315	1913268	-15278	Intergenic	NM_001113336	zgc:171831	8.628077436	7.629427215	0.998650221	0.008236
peak_41811	chr6	29502395	29502734	-2429	Intergenic	NM_194376	ptmaa	6.523993409	5.5255534	0.998440009	0.023985
peak_38767	chr16	5615147	5615537	-24472	Intergenic	NM_001017852	mecr	6.474546308	5.476946635	0.997599674	0.014651
peak_40581	chr12	38779484	38779908	57819	Intergenic	NM_001040355	pmp22b	7.00291704	6.005353933	0.997563107	0.019899
peak_41085	chr14	17583017	17583339	-106316	Intergenic	NM_001044746	cnga5	5.715865321	4.718341595	0.997523726	0.021656
peak_36450	chr1	5444026	5444553	-59356	Intergenic	NM_001145627	si:ch211-93g23.2	6.990837365	5.993613817	0.997223549	0.009438
peak_41014	chr5	16546936	16548106	-259377	Intergenic	NM_001128246	sc:d411	9.014936432	8.018796022	0.99614041	0.021362
peak_37510	chr23	39202031	39202461	156178	Intergenic	NM_001080609	sall4	6.824843329	5.829392107	0.995451222	0.01169
peak_35047	chr12	6527609	6528183	-100022	Intergenic	NM_001161653_1	plce1	7.905455255	6.910054416	0.995400839	0.006942
peak_37473	chr13	26096901	26097535	20121	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	6.907573476	5.912175961	0.995397514	0.011615
peak_40033	chr16	4930811	4931462	-193590	Intergenic	NM_152981	mtf1	6.835108031	5.839839956	0.995268075	0.01811
peak_37757	chr18	18090873	18091282	-7423	Intergenic	NM_199521	siah1	7.402665842	6.407887331	0.994778512	0.012176
peak_42150	chr15	18224865	18225883	197	5' UTR (NM_213375, exon 1 of 6)	NM_213375	vps26b	8.9657548	7.97097652	0.994778279	0.025169
peak_39088	chr3	53991583	53991972	36715	Intergenic	NM_001044783	xab2	6.788827775	5.794498023	0.994329751	0.015501
peak_43471	chr10	46230252	46231232	49745	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	7.586672445	6.59238967	0.994282775	0.030674
peak_40994	chr20	24406956	24407504	97321	Intergenic	NM_131459_1	pdgfra	8.073897366	7.079907533	0.993989833	0.021264
peak_35924	chr8	10612975	10613870	200725	Intergenic	NM_001126470	kcnd1	7.868683886	6.874736752	0.993947134	0.008394
peak_37370	chr18	8618363	8618805	-17797	Intergenic	NM_131048	sema3d	7.319165182	6.32574694	0.993418242	0.011363
peak_38567	chr20	52538417	52539186	133	5' UTR (NM_212701, exon 1 of 4)	NM_212701	hlx1	8.873528389	7.880545079	0.99298331	0.014139
peak_38851	chr1	39046362	39046737	64755	intron (NM_214687, intron 1 of 6)	NM_214687	gpm6ab	6.163239007	5.170417724	0.992821283	0.014881
peak_40648	chr1	57632830	57633279	36534	intron (NM_001113805, intron 8 of 9)	NM_001033742	b3gntl1	6.307929697	5.315703836	0.992225861	0.020082
peak_36832	chr3	11497197	11497791	-13628	intron (NM_205736, intron 10 of 11)	NM_001256204	elac2	7.779434395	6.78723603	0.992198365	0.010182
peak_41439	chr2	47332248	47332676	190161	Intergenic	NM_001145932	acsl3b	6.239298899	5.247335358	0.991963541	0.022735
peak_36888	chr2	6896698	6897905	-7229	Intergenic	NM_001114683	si:dkey-60b12.1	9.302356743	8.310774967	0.991581776	0.010327
peak_39223	chr15	41536924	41537727	58249	intron (NM_001123284, intron 1 of 11)	NM_199586_1	actn4	7.651341815	6.659762219	0.991579596	0.015881
peak_40139	chr25	21902543	21903062	48215	intron (NM_001015065, intron 13 of 15)	NM_001003481	zgc:91811	7.204771368	6.213619381	0.991151987	0.018429
peak_39469	chr12	25038456	25038794	192051	Intergenic	NM_131784	bambia	6.578745545	5.587738558	0.991006987	0.016488
peak_41053	chr5	62599480	62600019	33376	Intergenic	NM_001013530	tmem248	7.769469851	6.778937148	0.990532702	0.021506
peak_37254	chr16	11668775	11669565	-3266	Intergenic	NM_200466	ptpn2a	9.0408021	8.050306671	0.990495429	0.011118
peak_35331	chr25	20012831	20013487	70	promoter-TSS (NM_200181)	NM_200181	sh3gl3b	8.084489418	7.094014595	0.990474823	0.007368
peak_43773	chr5	41169098	41169786	187	intron (NM_001115124, intron 1 of 5)	NM_001115124	si:ch211-57h10.1	6.999818195	6.009904873	0.989913321	0.032092
peak_36168	chr14	22696944	22697458	-3480	Intergenic	NM_200543	stx3a	8.179906494	7.190327983	0.989578511	0.008876

peak_40763	chr23	29741986	29742437	6144	intron (NM_194382, intron 2 of 46)	NM_194382	kif1b	6.917449925	5.92803251	0.989417415	0.020446
peak_37680	chr2	42314981	42315698	1273	intron (NM_001130853, intron 1 of 9)	NM_001130853	si:ch211-235o23.	8.725472666	7.736288894	0.989183772	0.011994
peak_42930	chr14	7026880	7027207	11745	Intergenic	NM_001111226	hbegfa	5.938088916	4.949034366	0.98905455	0.028292
peak_43126	chr5	45126483	45127055	37643	Intergenic	NM_001099974	rhobtb2a	6.447535877	5.458599102	0.988936775	0.029126
peak_41382	chr25	13868131	13868454	30198	intron (NM_200870, intron 1 of 4)	NM_200870	znrf1	5.781828232	4.79303708	0.988791152	0.022576
peak_43790	chr14	38926831	38927682	720357	Intergenic	NM_001048055	lect2l	8.38405413	7.395590347	0.988463783	0.032153
peak_43233	chr15	17704707	17705356	-36402	Intergenic	NM_001113552	cadm1b	6.811169177	5.822895285	0.988273892	0.029692
peak_39360	chr16	15606136	15607149	149	5' UTR (NM_001113584, exon 1 of 5)	NM_001113584	zgc:174888	9.133258459	8.14578547	0.987472989	0.016215
peak_42926	chr10	37277992	37278385	5587	exon (NM_001076594, exon 6 of 10)	NM_001076594	smyd4	6.400057246	5.412990493	0.987066752	0.02827
peak_36101	chr23	32705928	32706477	75081	Intergenic	NM_200286	taf8	8.455659047	7.468903403	0.986755644	0.008729
peak_39631	chr4	22951089	22951478	-51774	Intergenic	NM_194401	celf2	6.712934184	5.726551079	0.986383105	0.016958
peak_38035	chr24	35828981	35829604	196088	Intergenic	NM_131456	ctnna1	7.636138337	6.649795182	0.986343155	0.012849
peak_35871	chr10	46587874	46589916	-14283	Intergenic	NM_199778	elovl7b	10.69604112	9.70969853	0.986342587	0.008321
peak_33852	chr24	67211	68616	22900	Intergenic	NM_001045561	zgc:152808	9.436763949	8.450533504	0.986230444	0.005327
peak_36900	chr3	29596383	29596857	28	promoter-TSS (NM_001017756)	NM_001017756	grap2a	7.360508693	6.374316379	0.986192314	0.01036
peak_36539	chr3	48757378	48758573	247261	Intergenic	NM_001079978	zgc:158309	8.738947675	7.752760477	0.986187198	0.009629
peak_34951	chr4	58949298	58950195	-130505	Intergenic	NM_001113638	zgc:171551	8.230597791	7.244940967	0.985656825	0.006794
peak_38455	chr7	53919848	53920371	93449	Intergenic	NM_214816	tcf12	7.005657121	6.020086105	0.985571016	0.013891
peak_39683	chr19	13209409	13210071	60794	Intergenic	NM_001044994	si:ch211-105d11.	7.586901175	6.601668209	0.985232966	0.017089
peak_34699	chr10	18386716	18387277	420214	Intergenic	NM_001002632	prkab1a	8.688460167	7.703352721	0.985107446	0.006433
peak_40046	chr18	9442008	9442285	316644	Intergenic	NM_001100024	LOC566572	6.283250977	5.299090405	0.984160572	0.018144
peak_37199	chr18	9409817	9410292	348736	Intergenic	NM_001100024	LOC566572	7.587358527	6.60344918	0.983909347	0.011005
peak_40532	chr4	36255524	36255957	-691879	Intergenic	NM_001135989_1	zgc:174690	6.879202821	5.895376718	0.983826103	0.019731
peak_35561	chr22	31663748	31664290	747	exon (NM_213097, exon 2 of 17)	NM_213097	pla2g6	8.634593467	7.650768561	0.983824905	0.007774
peak_40319	chr8	48330482	48330944	-41053	intron (NM_001077211, intron 30 of 58)	NM_001006073	angptl7	6.8009293	5.817287504	0.983641796	0.018995
peak_43492	chr13	25375698	25376240	46023	intron (NM_001272084, intron 3 of 10)	NM_001272084	adka	7.634030488	6.650537777	0.983492711	0.030757
peak_36792	chr16	45710293	45711071	-59	promoter-TSS (NM_001252504)	NM_001252504	txnipb	8.430585077	7.447213153	0.983371924	0.010102
peak_38021	chr11	46527378	46528559	-19547	Intergenic	NM_214737_1	rfc4	9.21851114	8.235190416	0.983320724	0.012819
peak_38522	chr1	45092550	45093868	201	intron (NM_001083000, intron 1 of 14)	NM_001083000	slc43a1b	9.339847342	8.357508849	0.982338493	0.014046
peak_41607	chr23	16396721	16397288	-277332	Intergenic	NM_200736	mrgbp	5.751878154	4.769583856	0.982294298	0.023326
peak_41348	chr7	28206510	28206903	39472	Intergenic	NM_001002079	rps13	6.220795342	5.238976082	0.98181926	0.02247
peak_40238	chr18	43065713	43066641	-282	promoter-TSS (NM_200063)	NM_200063	ehd2b	7.58862216	6.606979361	0.9816428	0.018734
peak_37083	chr21	3499221	3500783	189367	Intergenic	NM_175082	smad7	8.194199597	7.212592126	0.981607471	0.010738
peak_37033	chr15	31684974	31685537	24728	intron (NM_001030182, intron 7 of 11)	NM_001030182	etv1	7.320670792	6.339279285	0.981391506	0.010628
peak_36901	chr13	24895172	24895669	49	promoter-TSS (NM_200637)	NM_200637	adam8a	8.244762207	7.263469062	0.981293144	0.01036
peak_38690	chr14	42787192	42787890	-3416	Intergenic	NM_200818	arl13a	7.299145472	6.318091911	0.981053561	0.014404
peak_42485	chr24	9395725	9396093	-17231	Intergenic	NM_001202441	nphp3	6.07381577	5.092974434	0.980841335	0.026366
peak_39127	chr9	47660551	47660997	-44243	Intergenic	NM_131069	cx43.4	7.154914134	6.17524375	0.979670383	0.015617
peak_40278	chr18	39774332	39774892	-61600	intron (NM_212831, intron 11 of 13)	NM_001128730	si:ch211-203b8.6	7.335087474	6.355722224	0.979365251	0.018875
peak_41790	chr19	23649599	23650208	86164	intron (NM_001004287, intron 5 of 16)	NM_001004287	grb10a	6.892815884	5.913646545	0.979169339	0.023915
peak_42600	chr18	1381151	1381715	-183444	Intergenic	NM_198912	pepd	6.212221296	5.234157779	0.978063517	0.026856
peak_37445	chr8	1671194	1672786	159347	Intergenic	NM_205739	dgcr6	8.883971082	7.906302626	0.977668455	0.011542
peak_38979	chr1	48223694	48224901	44552	intron (NM_001077558, intron 3 of 7)	NM_001077558	neurl1aa	8.837767353	7.860701822	0.977065531	0.015221
peak_36722	chr11	43427717	43428146	94607	intron (NM_001077254, intron 18 of 22)	NM_001077254	slmapa	7.313493302	6.337055299	0.976438002	0.009963
peak_39455	chr18	22284276	22284903	87827	Intergenic	NM_001100035	rltpr	7.301254202	6.325108347	0.976145855	0.016449
peak_40720	chr2	23564980	23565365	-6155	Intergenic	NM_001013325	fitm1	6.65287205	5.676795456	0.976076594	0.020298
peak_37901	chr18	22774603	22775503	229	5' UTR (NM_199209, exon 1 of 6)	NM_199209	cbfb	8.113427127	7.137718521	0.975708607	0.01252
peak_39811	chr17	51051723	51052376	-42168	Intergenic	NM_131342	bmp4	8.353989766	7.378566265	0.975423501	0.017436
peak_40332	chr17	10720982	10721434	-21923	Intergenic	NM_214693	lgals3l	6.937550927	5.962486081	0.975064847	0.019023
peak_39998	chr4	28030988	28032024	14501	Intergenic	NR_034263_2		7.306827358	6.33222596	0.974601398	0.018021
peak_39475	chr7	810303	810693	-28560	Intergenic	NM_001114746	zgc:175177	6.492036863	5.517848447	0.974188416	0.016518
peak_36717	chr9	32512631	32513459	45338	Intergenic	NM_001173502	tmtc4	7.95939334	6.985898709	0.97349463	0.009954
peak_40544	chr21	34834681	34834949	-23070	Intergenic	NM_001001816	sgcd	6.140302384	5.16765148	0.972650904	0.019769
peak_43192	chr20	28298069	28298749	1867	TTS (NM_001045119)	NM_001110126	chac1	6.504468724	5.532561206	0.971907519	0.029485
peak_40922	chr14	50873948	50874985	-104586	Intergenic	NM_001002065_1	ppid	10.3515806	9.379697726	0.971882878	0.021035
peak_39041	chr3	12224240	12224772	-72180	intron (NM_001076623, intron 8 of 10)	NM_001076757	pdgfab	8.268748556	7.296919007	0.971829549	0.01537
peak_34287	chr13	11533510	11534516	-3652	Intergenic	NR_039204		10.14120504	9.169574934	0.971630108	0.005885
peak_37691	chr19	19202806	19203783	249	exon (NM_131544, exon 1 of 2)	NM_131544	hoxa11a	7.98310428	7.012011649	0.971092631	0.012025
peak_42230	chr19	49874929	49878307	10468	intron (NM_001040330, intron 2 of 8)	NM_001076764	utp18	9.406467055	8.435607536	0.970859519	0.025414
peak_41715	chr5	58120567	58121022	-197756	Intergenic	NM_001102384	tbx2a	6.96709388	5.996546416	0.970547465	0.023681
peak_40562	chr3	13186328	13186703	-22219	Intergenic	NR_045224_1		5.979527054	5.009011684	0.97051537	0.019837
peak_43333	chr3	353369	354056	-3013	Intergenic	NM_001166333	ptger1b	7.023540479	6.054018065	0.969522413	0.030151
peak_43594	chr20	51641691	51642430	2371	intron (NM_001080089, intron 1 of 5)	NM_001080089	nfkbie	6.785232584	5.816201086	0.969031498	0.03118
peak_43339	chr21	26847717	26848135	4663	exon (NM_001083858, exon 7 of 18)	NM_001083858	zgc:158446	6.307652167	5.338799528	0.968852639	0.03018
peak_39575	chr3	24236977	24237447	-114508	Intergenic	NM_199746	cbx1a	8.01438136	7.045536878	0.968844482	0.016815
peak_41713	chr17	18688096	18688479	30825	Intergenic	NM_001109698	ak7b	6.213093344	5.244303437	0.968789907	0.023672
peak_39723	chr11	45520052	45520763	-27117	intron (NM_001015069_1, intron 3 of 3)	NM_001002698	tomm20b	7.957802451	6.989077683	0.968724768	0.017206
peak_39636	chr2	18472820	18473803	18585	Intergenic	NM_001126479	si:dkey-236a14.4	7.52877057	6.560646954	0.968123616	0.016965
peak_34825	chr14	22296254	22297248	40477	Intergenic	NM_131248	egr1	10.72777606	9.759807246	0.967968812	0.006592
peak_37339	chr5	67330749	67331776	40944	intron (NM_001278808, intron 2 of 21)	NM_001278808	pappab	9.095486645	8.127635386	0.967851259	0.011297
peak_37835	chr14	1779006	1779493	7973	Intergenic	NM_001024185	pcdh2g13	8.366065697	7.398753798	0.967311899	0.012374
peak_42176	chr7	16333376	16333920	117637	intron (NM_152969, intron 10 of 20)	NM_152969	igf1rb	6.029304008	5.062026794	0.967277214	0.02525
peak_41511	chr9	42351747	42352038	59882	Intergenic	NM_200091	stat1b	6.093646061	5.126513756	0.967132305	0.022957
peak_42328	chr7	44042700	44043807	-1235	Intergenic	NM_001017713_1	idh3g	7.442860662	6.476376027	0.966484635	0.025739
peak_38878	chr21	22511775	22512591	73306	intron (NM_199635, intron 3 of 4)	NM_199635	zbtb16a	8.651946361	7.685598509	0.966347852	0.014941
peak_42473	chr16	54427919	54428394	-283020	Intergenic	NM_213187	dhdds	5.93339868	4.967086637	0.966312043	0.026324
peak_43343	chr1	465910	466252	-3253	TTS (NM_199915)	NM_001098264	jam2a	6.525201368	5.558944161	0.966257208	0.030189
peak_43831	chr23	4049872	4050534	7321	intron (NM_001008586, intron 2 of 13)	NM_001008586	slc9a8	8.40798706	7.441979836	0.966007224	0.032303
peak_38654	chr1	40257746	40258804	28	promoter-TSS (NM_200369)	NM_200369	tmem134	8.625080074	7.659466088	0.965613986	0.014331
peak_39916	chr1	17349911	17350621	6662	intron (NM_131859, intron 1 of 6)	NM_131859	klf3	7.162480812	6.197221053	0.965259758	0.017743
peak_42516	chr16	53584854	53585432	-24971	exon (NM_001003494, exon 4 of 6)	NM_001130592	nr1d2a	7.471947994	6.50698211	0.964965884	0.026477
peak_42612	chr12	47876848	47877309	-42546	Intergenic	NM_198802	adkb	5.811952101	4.84704712	0.964904981	0.026901
peak_42848	chr25	21119839	21121938	73004	Intergenic	NM_001033744	adal	6.179746013	5.214844354	0.964901658	0.027859
peak_43818	chr12	44443167	44443758	90904	Intergenic	NM_001034970	zgc:111868	6.640105117	5.675262764	0.964842353	0.032246
peak_36180	chr9	1705749	1706420	2304	intron (NM_001017554_1, intron 5 of 16)	NM_001017554_1		9.14627389	8.181624607	0.964649283	0.008891
peak_38302	chr8	29657898	29658696	-90434	Intergenic	NM_001004123	grid2	7.216662509	6.252697061	0.963965448	0.013528
peak_43574	chr1	56703393	56703916	20087	intron (NM_131242, intron 20 of 40)	NM_131242	c3a	6.254979566	5.291332965	0.963646601	0.031102
peak_38796	chr4	23053508	23054284	-154387	Intergenic	NM_194401	celf2	8.227144912	7.263990272	0.96315464	0.014761
peak_41057	chr2	29803941	29804497	-13981	Intergenic	NM_001002353	dnajb6a	7.039721229	6.076899649	0.96282158	0.021533
peak_41196	chr16	57481418	57481737	-38845	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	6.694535009	5.732083982	0.962451027	0.021997
peak_41779	chr19	9855949	9856922	21842	Intergenic	NM_001003747	ndufv1	7.658234176	6.695814612	0.962419565	0.023888
peak_39590	chr16	24255298	24256432	109584	Intergenic	NM_001114318	il6r	7.957708858	6.996212648	0.96149621	0.016853
peak_41457	chr7	71342499	71342899	-8741	Intergenic	NM_001100955	olfcs2	6.582650403	5.621226623	0.96142378	0.022798
peak_43179	chr13	21365328	21366395	424725	Intergenic	NM_001045412	tspan14	7.574938675	6.613769812	0.961168863	0.02943
peak_41809	chr6	39939778	39940175	-2319	Intergenic	NM_198816	pfkfb4l	7.055042042	6.094245992	0.96079605	0.02398
peak_42679	chr7	19725661	19726023	90068	Intergenic	NM_001127308	dtx1	6.341744134	5.38122821	0.960515923	0.027211
peak_40165	chr8	42369729	42371330	415	exon (NM_001075105_1, exon 1 of 1)	NM_001075105_1	aplnra	8.519563378	7.559259731	0.960303646	0.01851
peak_36609	chr11	36378516	36379063	173555	Intergenic	NM_200450	camkvb	8.424962941	7.464684494	0.960278446	0.009752
peak_36677	chr9	19190627	19191719	162008	Intergenic	NM_212745	tsc22d1	9.998887026	9.038668387	0.960218639	0.009873
peak_41482	chr19	22716200	22716848	15449	intron (NM_001045159, intron 4 of 9)	NM_001045159	nfatc1	7.589078967	6.628893684	0.960185282	0.022854
peak_43639	chr1	19500355	19500869	106715	Intergenic	NM_131010	tll1	6.518713902	5.559031322	0.95968258	0.031402
peak_38197	chr7	73508007	73508359	380174	Intergenic	NM_001115141	dhx15	7.254386895	6.294928102	0.959458793	0.013269
peak_39136	chr10	20528471	20528913	-1938	Intergenic	NM_001099244	loxl2a	7.520285613	6.560939875	0.959345737	0.015639
peak_37568	chr24	20414977	20415650	-147809	Intergenic	NM_199619	csrnp1b	8.629475713	7.670284987	0.959190725	0.011785
peak_43853	chr11	11794186	11794647	-46570	Intergenic	NM_131177	jupa	7.346098469	6.387006797	0.959091673	0.032371

peak_41929	chr18	8088741	8089245	-44483	Intergenic	NM_001128535	si:ch211-220f12.	7.238434059	6.279840481	0.958593578	0.024433
peak_39730	chr17	84212	85057	12621	Intergenic	NM_001256003	dio3a	8.881738274	7.923490871	0.958247403	0.017222
peak_38794	chr21	24285608	24285951	23093	intron (NM_001082863, intron 1 of 8)	NM_001082863	jam3b	7.717531493	6.759387502	0.958143992	0.014743
peak_40642	chr16	19111604	19112112	22282	Intergenic	NM_213190	tnfrsf1a	7.469469052	6.511642753	0.957826299	0.020047
peak_41142	chr20	26746695	26747733	15232	intron (NM_001102475, intron 9 of 10)	NM_131729	foxc1b	7.782633063	6.825121044	0.95751202	0.021806
peak_36489	chr19	29212397	29212933	-2080	Intergenic	NR_105066		8.859655904	7.903001821	0.956654083	0.009525
peak_41216	chr6	39721263	39721828	-25714	Intergenic	NM_001089417	pfkmb	7.763714905	6.8071472	0.956567705	0.022073
peak_40878	chr16	30611839	30612254	15	promoter-TSS (NM_001114911)	NM_001114911	itga8	6.973745913	6.017311937	0.956433976	0.020812
peak_41638	chr7	70874307	70875453	84834	Intergenic	NM_001100142	phlpp2	9.179560869	8.223360621	0.956200249	0.023417
peak_39951	chr5	10308645	10309666	193804	Intergenic	NM_001080038	zgc:158343	7.861033291	6.904898319	0.956134972	0.017895
peak_34879	chr25	24767136	24768692	2295	intron (NM_001001815, intron 2 of 3)	NM_001001815	igf2b	9.13612516	8.180012626	0.956112534	0.006681
peak_41112	chr19	10702191	10702559	115714	Intergenic	NM_001197060	dbpa	6.26273139	5.30682517	0.95590622	0.021739
peak_37606	chr9	40663770	40664811	-365270	Intergenic	NM_001161762_1	si:zfos-1425h8.1	8.488609642	7.532723721	0.955885921	0.011863
peak_43917	chr14	5591972	5592387	-39513	Intergenic	NM_182871	fgf24	6.158937711	5.203246787	0.955690924	0.032613
peak_42532	chr3	6502239	6502659	-24958	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	6.381935135	5.42629354	0.955641595	0.026576
peak_41268	chr6	49105724	49106465	-6400	Intergenic	NM_001018150	tspan2	8.897439161	7.942107804	0.955331357	0.022232
peak_38849	chr11	38138136	38139175	-332407	Intergenic	NM_001040385	egfl7	7.730882612	6.775642887	0.955239726	0.01488
peak_38969	chr5	307243	308551	-57392	Intergenic	NM_214750	rnf170	8.552859133	7.597895651	0.954963482	0.015184
peak_39644	chr9	48735261	48736089	146243	Intergenic	NM_001003480	zgc:92380	7.805283662	6.8503739	0.954909762	0.016986
peak_42849	chr20	53456112	53456690	80483	Intergenic	NM_001110478	ctsbb	6.145609595	5.191066554	0.954543041	0.027865
peak_38932	chr1	59975144	59976676	-4691	Intergenic	NM_205632	zgc:77358	8.053558087	7.099063587	0.9544945	0.015086
peak_42511	chr10	28145562	28145945	414140	Intergenic	NM_152948	cxadr	6.928714202	5.974527027	0.954187175	0.026464
peak_39405	chr1	9822950	9823482	-6489	Intergenic	NM_001082892	zgc:174945	7.757082607	6.802980083	0.954102523	0.016328
peak_35685	chr11	31195815	31197164	-81	promoter-TSS (NM_001177446)	NM_001177446	ugt1b1	9.79610783	8.842107436	0.954000394	0.007987
peak_39612	chr3	24065563	24066247	5729	Intergenic	NM_131115	hoxb1a	8.104639869	7.150681394	0.953958475	0.016904
peak_39779	chr16	7591152	7591697	-166	promoter-TSS (NM_001005776)	NM_001005776	scgn	6.809993993	5.856147409	0.953846584	0.017335
peak_37882	chr1	36490164	36490731	-10185	intron (NM_001045250, intron 1 of 22)	NM_001130767	prmt9	8.440710891	7.487229768	0.953481124	0.012471
peak_41761	chr8	33652963	33653415	67	promoter-TSS (NM_001123324)	NM_001123324	zgc:194839	7.153370542	6.199966209	0.953404333	0.02384
peak_42121	chr8	55981298	55981796	64500	Intergenic	NM_001079834	wnt5a	6.300122334	5.346778794	0.953343539	0.025073
peak_43437	chr7	8376323	8376672	53342	Intergenic	NM_001004638	nit1	6.950616479	5.997526602	0.953089877	0.030563
peak_39519	chr23	831331	831952	20580	Intergenic	NM_213350	rhoac	6.985805604	6.032860036	0.952945567	0.016678
peak_35467	chr18	22398165	22398824	11571	intron (NM_001135133, intron 1 of 6)	NM_001135133	bcar1	9.496263682	8.543438273	0.95282541	0.007597
peak_41361	chr16	53670844	53671516	35726	Intergenic	NM_001013522	lim2.5	7.49729304	6.544863696	0.952429344	0.022521
peak_41247	chr10	25167049	25167448	23487	exon (NM_200571, exon 4 of 13)	NM_200571	ilk	6.900208181	5.947871109	0.952337072	0.02217
peak_41421	chr7	76871163	76871766	-21975	Intergenic	NM_001089531	zgc:163061	6.815286187	5.86306726	0.952218928	0.02268
peak_37642	chr25	36976305	36976991	53	promoter-TSS (NM_200425)	NM_200425	lsm14aa	8.642110109	7.690119477	0.951990632	0.011932
peak_43567	chr2	31325320	31325634	76653	Intergenic	NM_001197300	e2f5	5.783449089	4.831577078	0.95187201	0.031081
peak_36515	chr3	59664831	59665667	-2574	Intergenic	NM_001285388	si:ch73-281f12.4	9.611422289	8.659617457	0.951804832	0.009587
peak_37702	chr1	54730140	54730591	150137	Intergenic	NM_130954	dla	7.672776846	6.720987544	0.951789302	0.01205
peak_42993	chr5	45271100	45271822	30051	intron (NM_001126415, intron 1 of 11)	NM_001126415	si:dkey-40c11.1	7.129019202	6.17768022	0.951338982	0.028627
peak_35876	chr23	39548007	39549189	56144	intron (NM_001003837, intron 1 of 11)	NM_001003837	src	9.500828192	8.549791961	0.951036231	0.008326
peak_37502	chr5	22024714	22025271	-36592	Intergenic	NM_205694	dao.3	8.484928819	7.533924348	0.95100447	0.011662
peak_37379	chr17	8565272	8566194	-27533	Intergenic	NM_131715	ctbp2a	8.473131221	7.522394972	0.950736248	0.011401
peak_36904	chr1	1898007	1898731	40042	intron (NM_001099998, intron 2 of 7)	NM_001161671	mbnl2	8.771436324	7.821241033	0.950195292	0.010362
peak_35935	chr3	31966067	31966651	-24902	Intergenic	NM_131373	gfap	9.068904357	8.118763991	0.950140366	0.00842
peak_39411	chr19	6298953	6300002	1672	intron (NM_200996, intron 2 of 10)	NM_200996	pdk2	8.506650053	7.556782765	0.949867288	0.016337
peak_37766	chr25	35620039	35620512	75273	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	8.280417053	7.330876104	0.949540949	0.012201
peak_37947	chr12	18546266	18546982	3	promoter-TSS (NM_212562)	NM_212562	papss2b	8.928971717	7.979553382	0.949418335	0.012606
peak_39999	chr11	18509494	18510382	7384	exon (NM_001025462, exon 5 of 13)	NM_001025462	qrich1	8.876500358	7.927213325	0.949287033	0.018022
peak_38481	chr14	7930193	7931066	57996	Intergenic	NM_001014305	zgc:110843	8.83381046	7.884704421	0.949106039	0.013943
peak_37427	chr11	42964191	42965606	-5597	Intergenic	NM_001017657	mrto4	8.972834954	8.023939896	0.948895058	0.011502
peak_38826	chr17	32781473	32781946	4367	intron (NM_001076587, intron 1 of 3)	NM_001076587	eva1a	7.468585931	6.51976037	0.948825562	0.014822
peak_38267	chr2	42172154	42172922	-36169	Intergenic	NM_001002343	gbp1	8.019484076	7.071076836	0.94840724	0.013421
peak_39752	chr24	3467454	3467948	29878	Intergenic	NM_001013563	slc35g2b	7.692398347	6.744241882	0.948156465	0.017252
peak_36317	chr15	46374981	46376040	50181	intron (NM_205646, intron 1 of 6)	NM_001039832_1	lsamp	9.923673814	8.975554403	0.948119411	0.009168
peak_43344	chr22	15354342	15354817	71642	Intergenic	NM_001007788	mfng	7.642327007	6.694445502	0.947881505	0.030205
peak_37399	chr23	17495962	17496485	-29540	intron (NM_001080652, intron 2 of 7)	NM_001136250	zgc:194282	8.419692847	7.471890105	0.947802742	0.011435
peak_41040	chr19	43550210	43551040	-23708	Intergenic	NM_001104526	trioa	9.121994151	8.174207606	0.947786545	0.021454
peak_36379	chr12	36710602	36711289	-153881	Intergenic	NM_200770	fscn2b	8.489592228	7.541917975	0.947674253	0.009285
peak_42175	chr15	34335796	34336915	-2909	Intergenic	NM_213519	sesn3	8.001888167	7.055069311	0.946818856	0.025249
peak_41091	chr8	54422964	54423703	-53525	intron (NM_131296, intron 3 of 12)	NM_001118893	vps13a	7.219329296	6.273664329	0.945664967	0.02167
peak_35963	chr18	14969762	14970579	-10588	Intergenic	NM_205712	rfx4	8.766129055	7.820960279	0.945168776	0.008471
peak_36441	chr11	22633410	22634580	-109958	Intergenic	NM_001199491	foxp4	9.88360145	8.938451956	0.945149494	0.009425
peak_40790	chr5	53607733	53608181	-23	promoter-TSS (NM_001017562)	NM_001017562	lhfpl2b	6.63080423	5.686042607	0.944761623	0.020554
peak_40949	chr19	19238463	19238858	-4522	Intergenic	NM_131534	hoxa3a	6.614939595	5.67033598	0.944603615	0.021118
peak_39084	chr1	54721239	54721734	141258	Intergenic	NM_130954	dla	7.286220209	6.341665047	0.944555162	0.015471
peak_40635	chr6	8305006	8305871	-6384	Intergenic	NM_001040393	kalrnb	8.438360395	7.494504972	0.943855423	0.020034
peak_43321	chr6	10032794	10033127	85033	Intergenic	NM_213026	sucla2	6.225815055	5.282275009	0.943540046	0.030107
peak_43203	chr25	17012371	17012976	-34021	Intergenic	NM_001033717	cecr1a	7.621436478	6.67841152	0.943024959	0.029546
peak_43885	chr6	16230153	16230559	93656	Intergenic	NM_001002395	faimb	5.853722147	4.910774097	0.94294805	0.032516
peak_38378	chr1	4838852	4840060	-159392	Intergenic	NM_001145693	abcb6a	9.341207815	8.398453328	0.942754487	0.013745
peak_37584	chr8	31000832	31001660	9429	exon (NM_001040637, exon 12 of 13)	NR_030026		7.816365223	6.87364666	0.942718563	0.011819
peak_39145	chr6	59415813	59417202	-8698	Intergenic	NM_200574	zgc:65895	8.39986198	7.457924635	0.941937345	0.01567
peak_39760	chr2	15377361	15377938	5820	intron (NM_001184954, intron 1 of 66)	NM_001184954	col11a1b	6.51511269	5.573311297	0.941801393	0.017267
peak_41842	chr17	19047720	19048037	127770	Intergenic	NM_131017	gsc	6.29058832	5.34919969	0.94138863	0.024087
peak_40898	chr1	47983147	47983788	256	exon (NM_001145622, exon 1 of 4)	NM_001145622	lrrc58a	6.765124633	5.823930965	0.941193668	0.020926
peak_43311	chr11	38996214	38996925	49687	Intergenic	NM_001034175	etnk2	6.633242594	5.692392755	0.94084984	0.030076
peak_42710	chr9	27690459	27691005	553573	Intergenic	NM_131023	efnb2a	7.235793876	6.294974703	0.940819173	0.027327
peak_41038	chr19	44943867	44944693	-41	promoter-TSS (NM_001045090)	NM_001045090	si:ch211-199g17.	9.284485472	8.344509316	0.939976156	0.021453
peak_43079	chr3	15338467	15339301	68	promoter-TSS (NM_201325)	NM_201325	mvp	8.022192901	7.082229791	0.93996311	0.02893
peak_42673	chr1	22959625	22960850	109756	Intergenic	NM_152975	mab21l2	7.626576288	6.686721264	0.939855025	0.02718
peak_36850	chr23	16852362	16853124	161	5' UTR (NM_212691, exon 1 of 9)	NM_212691	sdcbp	9.5025266	8.563374726	0.939151874	0.010236
peak_38588	chr25	9234921	9235791	2468	exon (NM_131389, exon 3 of 3)	NM_131389	rag1	8.179224011	7.240605895	0.938618116	0.014188
peak_35571	chr21	452690	455524	1420	TTS (NM_205663_1)	NM_205663_1	lhfpl2a	10.26871395	9.330444526	0.938269427	0.00779
peak_41999	chr7	76393087	76393616	-62138	Intergenic	NM_001110109	cbln8	6.221090092	5.283036316	0.938053776	0.02467
peak_37650	chr2	49306145	49306817	-19688	Intergenic	NM_001077752	zgc:123035	8.001802394	7.063776946	0.938025448	0.011946
peak_38643	chr2	51302051	51302458	69108	Intergenic	NM_131817	neurod6b	7.516554253	6.578563664	0.93799059	0.014309
peak_39643	chr15	1344270	1345080	-48372	Intergenic	NM_001017906	schip1	7.889187404	6.951297294	0.937890109	0.016986
peak_38984	chr19	8421364	8421872	-23	promoter-TSS (NM_001002337)	NM_001002337	hax1	7.303057079	6.365276122	0.937780957	0.015231
peak_39984	chr20	46225682	46226123	1857	TTS (NM_001083104)	NM_001083104	taar12b	7.120967843	6.183271763	0.93769608	0.017994
peak_42787	chr3	13350665	13351209	-46122	Intergenic	NR_045224		7.819007767	6.881351081	0.937656686	0.027641
peak_40204	chr8	7442899	7443438	3862	Intergenic	NM_001039838	neflb	7.725582605	6.788585217	0.936997388	0.018616
peak_41709	chr21	4246971	4247373	29759	Intergenic	NM_001007061	dolpp1	6.597069628	5.660354345	0.936715283	0.023665
peak_42723	chr9	39639247	39639565	-994	promoter-TSS (NM_001014346)	NM_001014346	snx4	5.943100495	5.007117389	0.935983106	0.027364
peak_41139	chr10	29270060	29270521	-207640	Intergenic	NM_001007351	btg3	7.185061439	6.249176234	0.935885205	0.021792
peak_38236	chr24	24879141	24879914	50	promoter-TSS (NM_001083026)	NM_001083026	rps6ka3b	8.551398228	7.615642285	0.935755943	0.013356
peak_43402	chr14	3656918	3657273	113526	Intergenic	NM_001017822	zgc:110204	5.750653646	4.814957741	0.935695905	0.03042
peak_39522	chr24	11238572	11239926	-20853	Intergenic	NM_200178	acad11	8.646899502	7.711279152	0.93562035	0.016689
peak_38460	chr12	47783804	47785190	12641	intron (NM_213414, intron 6 of 17)	NM_213414	exoc7	8.66411853	7.728598762	0.935519768	0.013911
peak_41572	chr15	34746557	34747044	197174	Intergenic	NM_001080189_1	zgc:158328	7.7360601	6.800799545	0.935260555	0.023192
peak_43387	chr13	44032297	44033174	3275	intron (NM_001077794, intron 1 of 3)	NM_001077794	dact2	7.181573428	6.246470247	0.935103181	0.030361
peak_37775	chr25	35466659	35467745	75022	Intergenic	NM_001110479	trpm1b	8.579144651	7.644324371	0.93482028	0.012217
peak_37749	chr9	56028695	56029572	-87433	Intergenic	NM_001144040	cog3	9.691657212	8.756937996	0.934719216	0.012155
peak_42141	chr7	43619321	43619946	5994	exon (NM_131063, exon 3 of 3)	NM_131063	shha	7.281406674	6.346755057	0.934651617	0.025137
peak_40383	chr6	13993778	13994210	-44591	Intergenic	NM_131205	etv5b	7.114309396	6.179974985	0.934334411	0.019186

peak_40929	chr12	15423976	15424655	-89564	Intergenic	NM_200872	becn1	6.587472842	5.653323036	0.934149806	0.021069
peak_38622	chr24	37769239	37769928	28501	Intergenic	NM_001004577	coasy	7.190348572	6.256210378	0.934138194	0.014266
peak_37121	chr7	59944345	59945393	173	intron (NM_214771, intron 1 of 6)	NM_214771	sdr16c5b	9.507595514	8.574013016	0.933582499	0.010823
peak_43927	chr17	17481387	17481759	104858	intron (NM_001123049, intron 2 of 9)	NM_001123049	adck1	6.180673271	5.247169948	0.933503324	0.032644
peak_43730	chr4	2763082	2763965	52814	Intergenic	NM_213494	aebp2	7.950067583	7.017385009	0.932682574	0.031878
peak_43358	chr16	27599755	27600129	7387	Intergenic	NM_001089485	rbfa	6.214295563	5.281676334	0.932619229	0.030255
peak_43425	chr17	53557323	53557865	-5197	Intergenic	NM_001076722	zgc:154061	7.718900965	6.786439863	0.932461102	0.030528
peak_39025	chr20	6659950	6660520	20080	Intergenic	NM_001171033	si:ch211-191a24.	7.206707538	6.274657107	0.932050431	0.015324
peak_40487	chr7	57455032	57455570	93448	Intergenic	NM_212606	cdh15	7.579205489	6.647385083	0.931820406	0.019557
peak_38564	chr3	275906	276822	-80361	Intergenic	NM_001166333	ptger1b	7.972263442	7.04056463	0.931698812	0.014129
peak_43895	chr5	38255419	38255870	662	TTS (NM_001005390)	NM_001017899	capns1a	6.911789958	5.980133449	0.93165651	0.032548
peak_40007	chr18	48803955	48804957	-23094	Intergenic	NM_001045317	mob2b	8.749839709	7.818483853	0.931355856	0.018044
peak_40088	chr17	22509168	22510340	-80472	Intergenic	NM_173285	ttc27	8.280845383	7.350192979	0.930652404	0.018278
peak_43912	chr5	16912742	16913071	5570	intron (NM_183339, intron 4 of 6)	NM_183339	tbx1	6.40501031	5.474438635	0.930571676	0.032601
peak_43916	chr23	19361140	19361480	31095	intron (NM_001102675, intron 2 of 2)	NM_001102675	pard6b	6.074794622	5.144323824	0.930470798	0.032611
peak_39614	chr18	8867631	8869041	31340	intron (NM_131061, intron 3 of 16)	NM_131061	sema3ab	7.697939688	6.767637492	0.930302196	0.016915
peak_42167	chr4	11070877	11072112	-6072	Intergenic	NM_001077297	cry1a	7.867167053	6.936929225	0.930237828	0.025216
peak_39756	chr7	76271821	76273656	3902	Intergenic	NR_034276		9.12602488	8.195794023	0.930230857	0.017261
peak_43051	chr11	18521585	18522045	-4493	Intergenic	NM_001025462	qrich1	6.754132272	5.825475957	0.928656315	0.028842
peak_42387	chr15	35988587	35989107	-45172	Intergenic	NM_001040687	nphs1	6.871326297	5.944519506	0.926806791	0.025973
peak_37698	chr18	14686547	14687695	-5467	Intergenic	NM_131790	cry1b	8.337264456	7.410564361	0.926700096	0.012035
peak_40203	chr15	46315826	46317731	-8551	Intergenic	NM_001039832_1	lsamp	8.1649253	7.238830413	0.926094886	0.018615
peak_40983	chr4	3004028	3004544	-187949	Intergenic	NM_213494	aebp2	7.291009546	6.364916231	0.926093315	0.021234
peak_42271	chr1	48128429	48129332	46072	intron (NM_001160022, intron 4 of 11)	NM_001160022	sh3pxd2aa	9.167462202	8.241478315	0.925983887	0.025528
peak_39423	chr23	32304596	32305256	53	promoter-TSS (NM_199543)	NM_199543	cd63	7.704613495	6.778673915	0.925939579	0.016374
peak_38409	chr5	27616466	27617088	160	TTS (NR_029934)	NR_029934		7.399927071	6.474186285	0.925740787	0.013803
peak_42748	chr2	52948061	52948914	66085	Intergenic	NM_001045238	zgc:136336	6.981984361	6.056502381	0.92548198	0.027474
peak_39045	chr5	26005628	26008094	-4242	Intergenic	NM_131822	znf703	9.254139078	8.328818276	0.925320802	0.015384
peak_41366	chr21	44024380	44024963	9892	Intergenic	NM_200743	skp1	6.917075506	5.991768422	0.925307084	0.022524
peak_41934	chr21	43196246	43196916	-27059	Intergenic	NM_131826	spry4	7.550919072	6.625692497	0.925226575	0.024456
peak_40138	chr9	3071969	3072376	-96437	Intergenic	NM_001076667	dync1i2a	7.224933517	6.301103945	0.923829572	0.018426
peak_37207	chr11	18693819	18695067	-43	promoter-TSS (NM_200467)	NM_200467	tmem110	9.948887788	9.025378381	0.923509407	0.011018
peak_37781	chr6	15948677	15949900	300	5' UTR (NM_152964, exon 1 of 2)	NM_152964	gbx2	8.941936035	8.018578016	0.923358019	0.012224
peak_41123	chr7	21401112	21402319	-16330	Intergenic	NM_212648	dvl2	10.25878577	9.335869883	0.922915882	0.021759
peak_39078	chr5	36518575	36519471	-81193	Intergenic	NM_213129	ankra2	8.241552569	7.318673184	0.922879384	0.015462
peak_36847	chr13	46679717	46680239	-65136	Intergenic	NM_213133	marcksl1a	8.678008824	7.755279861	0.922728963	0.010229
peak_43419	chr25	33150479	33151340	120125	Intergenic	NM_001008639	zgc:101540	7.584154017	6.661508423	0.922645594	0.030515
peak_43696	chr20	32359913	32360376	11473	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	7.016085923	6.093461725	0.922624198	0.031685
peak_41503	chr20	2395751	2396193	136605	Intergenic	NM_001044800	tmem200a	6.87488987	5.953025266	0.921864604	0.022928
peak_42812	chr23	3274267	3274721	149061	Intergenic	NM_131015	mafba	6.618300328	5.696636111	0.921664218	0.02775
peak_41527	chr3	41944936	41945735	33054	Intergenic	NM_130971	lfng	8.83954698	7.918324757	0.921222223	0.023021
peak_43722	chr3	1243501	1243826	45658	intron (NM_001258319_1, intron 5 of 10)	NR_024238		6.498874067	5.577889847	0.920984219	0.03185
peak_39246	chr21	39743421	39743920	-127844	Intergenic	NM_001076712	bod1	7.546567647	6.625912295	0.920655352	0.01595
peak_41425	chr15	8308077	8308572	-56024	Intergenic	NM_001040313	zgc:136739	8.137416328	7.216906258	0.92051007	0.02269
peak_43958	chr7	23250992	23251420	49536	intron (NM_001166329, intron 1 of 6)	NM_001166329	nlgn2b	7.223013084	6.302547881	0.920465203	0.032751
peak_38972	chr12	8903513	8904018	-49183	Intergenic	NM_001039062	med24	8.035695467	7.115411686	0.92028378	0.015191
peak_43007	chr22	33573255	33573783	89522	Intergenic	NM_001040377	zgc:136895	7.534383142	6.614308319	0.920074822	0.028665
peak_43336	chr21	29168045	29168856	-8881	exon (NM_001077287, exon 16 of 19)	NM_001288663	LOC100004941	7.291290296	6.372234676	0.91905562	0.030167
peak_39251	chr4	23595784	23596713	555395	Intergenic	NM_131211	gata3	8.286505999	7.367632687	0.918873312	0.015968
peak_40470	chr15	26854435	26855085	16515	intron (NM_001110296, intron 5 of 18)	NM_001110296	brip1	7.909575821	6.991791269	0.917784552	0.019492
peak_43750	chr6	17824970	17825648	-173509	Intergenic	NM_131029	ntn1a	5.787435225	4.86987437	0.917560855	0.031986
peak_38004	chr23	17693347	17694039	26	promoter-TSS (NM_001002635)	NM_001002635	slc17a9b	8.799301657	7.881765826	0.917535831	0.012767
peak_41837	chr23	7489465	7489927	36331	Intergenic	NM_131235	gata5	6.440703508	5.523604148	0.917099361	0.024079
peak_43643	chr25	10850713	10851565	-10085	Intergenic	NM_199684	ppp6r3	6.704080267	5.787670046	0.916410221	0.031418
peak_43084	chr15	32654871	32655234	148539	Intergenic	NM_152974	mab21l1	6.56740382	5.651149129	0.916254691	0.028943
peak_40989	chr8	4626033	4626352	-9994	Intergenic	NM_001045427	srrd	6.488613213	5.572610133	0.91600308	0.021245
peak_43318	chr18	43090650	43090881	114	exon (NM_199766, exon 1 of 11)	NM_199766	napab	6.364650103	5.448788266	0.915861837	0.030082
peak_40378	chr13	29153763	29154335	144588	Intergenic	NM_001020523	nsmce4a	8.268396243	7.352561626	0.915834617	0.01917
peak_39102	chr5	13366249	13366774	-52513	Intergenic	NM_131660	nos1	7.483079502	6.567668982	0.915410521	0.015536
peak_43106	chr21	43777074	43777433	-83708	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	6.205963165	5.290705289	0.915257875	0.029028
peak_39675	chr13	29043360	29044146	34292	Intergenic	NM_001020523	nsmce4a	9.562135671	8.646968844	0.915166827	0.017053
peak_39642	chr6	33008146	33008625	-226539	Intergenic	NM_201143	pik3r3b	7.794198039	6.879157138	0.915040901	0.016975
peak_43049	chr7	30108773	30109083	47725	intron (NM_205552, intron 1 of 8)	NM_205552	ccdc102a	6.031994474	5.117196366	0.914798108	0.028838
peak_41921	chr24	14298492	14298950	-56816	intron (NM_131777, intron 11 of 21)	NM_001163831	prdm14	6.675050326	5.760460563	0.914589763	0.024403
peak_39849	chr7	56069729	56070177	-25	promoter-TSS (NM_001077575)	NM_001077575	trip4	7.355005186	6.440649979	0.914355208	0.017559
peak_43964	chr11	30778394	30778852	14824	Intergenic	NM_001040178	figf	6.358216905	5.444008095	0.91420881	0.032769
peak_42232	chr7	10197678	10198255	91110	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	7.156927325	6.242788355	0.91413897	0.025415
peak_39839	chr20	29613688	29614497	22264	Intergenic	NM_201513	ywhaqa	8.173963122	7.260725797	0.913237325	0.017539
peak_43869	chr9	19386250	19386777	-33332	Intergenic	NM_212745	tsc22d1	7.258843935	6.34589583	0.912948105	0.032419
peak_41577	chr12	14755978	14756511	-2547	Intergenic	NM_001200059	si:dkey-9l5.2	7.070865682	6.15834926	0.912516422	0.02324
peak_42246	chr20	5362466	5363404	5702	intron (NM_001020509, intron 1 of 5)	NM_001020509	ism2b	8.126429794	7.214355515	0.912074279	0.025452
peak_39671	chr3	26911114	26919847	2812	TTS (NM_131397_1)	NM_131397_1	hsp70	12.74311687	11.8315018	0.911615075	0.017048
peak_41094	chr12	36261464	36262363	-7218	Intergenic	NM_001025514	zgc:112285	8.882248169	7.970847803	0.911400367	0.021689
peak_39071	chr8	15071219	15071886	184	exon (NM_001128364, exon 1 of 12)	NM_001128364	qsox1	8.164316801	7.252967362	0.911349439	0.015439
peak_38150	chr13	44292320	44292744	23591	Intergenic	NM_001160346	zfyve21	7.926169657	7.015004497	0.91116516	0.013139
peak_40230	chr6	89256	90847	2015	exon (NM_001045449, exon 2 of 5)	NM_001045449	zglp1	9.133527933	8.222609465	0.910918467	0.018705
peak_41204	chr23	41807293	41807688	48550	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	6.472567065	5.561970705	0.91059636	0.022028
peak_37508	chr21	12880323	12880862	13624	intron (NM_001172564, intron 1 of 26)	NM_001172564	ehmt1b	8.5529728	7.642482215	0.910490585	0.011687
peak_39569	chr12	10764984	10765683	-134	promoter-TSS (NM_200902)	NM_200902	prdm9	7.826975064	6.916621048	0.910354016	0.016803
peak_40059	chr19	45148156	45148850	75959	Intergenic	NM_212781	yrk	7.609526383	6.699415393	0.910110991	0.018187
peak_40400	chr19	1399293	1399722	57513	Intergenic	NM_200401	zgc:63863	7.180361304	6.270545859	0.909815444	0.019233
peak_43042	chr2	15296178	15296801	86980	intron (NM_001184954, intron 22 of 66)	NM_001184954	col11a1b	7.733048328	6.823853332	0.909194997	0.028808
peak_39429	chr1	468700	469868	-50	promoter-TSS (NM_001098264)	NM_001098264	jam2a	9.287737713	8.378809089	0.908928624	0.016387
peak_41555	chr5	16045647	16046377	48348	Intergenic	NM_001002154	ap3m2	7.940233645	7.031812862	0.908420783	0.023139
peak_41493	chr19	947085	947987	67173	Intergenic	NM_200413	slc44a4	8.919908508	8.012051961	0.907856547	0.022883
peak_37231	chr7	25319803	25320684	-3521	Intergenic	NM_194416	mmp14a	8.883645283	7.975821895	0.907823388	0.011072
peak_42759	chr18	15938871	15939270	33096	Intergenic	NM_001045074	alx1	6.67569565	5.768413782	0.907281868	0.027504
peak_41621	chr21	28742592	28742946	-8858	Intergenic	NM_001007382	ttc1	6.581503012	5.674636066	0.906866947	0.023366
peak_42964	chr7	56054373	56054774	15355	exon (NM_001077575, exon 10 of 13)	NM_001077575	trip4	6.504482852	5.598460933	0.906021918	0.028464
peak_41165	chr12	3644849	3645689	23	promoter-TSS (NM_001017619)	NM_001017619	dcxr	7.942469784	7.036586529	0.905883255	0.02189
peak_43247	chr3	1202021	1202669	4340	intron (NM_001258319_1, intron 5 of 10)	NR_024238		7.660741649	6.755095439	0.90564621	0.029755
peak_38472	chr13	31693158	31694204	293	exon (NM_001029967, exon 1 of 9)	NM_001029967	rtn1a	8.511371425	7.605811881	0.905559544	0.013929
peak_37694	chr23	39193269	39194358	147745	Intergenic	NM_001080609	sall4	8.927931221	8.022619488	0.905311733	0.012028
peak_42062	chr13	15653621	15654222	114	intron (NM_001077163, intron 1 of 7)	NM_001077163	ckba	7.396668898	6.49148524	0.905183657	0.024864
peak_38050	chr13	3531742	3534020	58258	Intergenic	NM_201129	ncoa4	9.778605666	8.874162499	0.904443167	0.01289
peak_37699	chr19	21190273	21191731	207	intron (NM_201485, intron 1 of 5)	NM_201485	rab5aa	9.436769501	8.532741061	0.90402844	0.012036
peak_40939	chr5	67942696	67943808	174	5' UTR (NM_001077605, exon 1 of 2)	NM_001077605	fam78aa	7.784939365	6.881003371	0.903935994	0.021097
peak_41223	chr1	60247941	60249714	14441	intron (NM_001190758, intron 23 of 63)	NM_001190758	col5a3b	9.084496506	8.180821091	0.903675415	0.022096
peak_41797	chr15	38704588	38705037	-2388	Intergenic	NM_001039991	gpr55a	7.041234084	6.138121908	0.903112176	0.023954
peak_40741	chr23	9588072	9588649	-27069	Intergenic	NM_199872	osbpl2b	8.831876186	7.928773837	0.903102349	0.020364
peak_41881	chr17	45692885	45693390	52954	Intergenic	NM_001014367	zgc:110783	6.696868089	5.794019601	0.902848488	0.024263
peak_42982	chr23	7452911	7453530	-145	promoter-TSS (NM_131235)	NM_131235	gata5	7.041401	6.138625991	0.902775008	0.028571
peak_41643	chr3	54267355	54268235	-70365	Intergenic	NM_131549	notch3	8.204920396	7.302167051	0.902753346	0.023431
peak_40311	chr2	13254087	13254534	-193757	Intergenic	NM_001100962	vps4b	7.680746976	6.778179936	0.90256704	0.018973
peak_39583	chr13	50312647	50313559	109817	Intergenic	NM_199981	irf2bp2a	10.07166506	9.169358649	0.902306413	0.016833

peak_39660	chr18	4971958	4972668	-2363	Intergenic	NM_131879	cyp1a	7.773299629	6.871097403	0.902202227	0.017013
peak_42109	chr5	45580194	45580658	91455	Intergenic	NM_001013558	zgc:112966	6.897813332	5.995818783	0.901994549	0.025028
peak_38517	chr7	55156183	55156660	49783	intron (NM_001008635, intron 4 of 11)	NM_001008635	csnk1g1	8.414536064	7.51299189	0.901544174	0.01403
peak_43969	chr2	606069	606571	-196042	Intergenic	NM_212920	wrnip1	6.658554309	5.757035477	0.901518832	0.032784
peak_43030	chr12	15115992	15116380	-43958	Intergenic	NM_199783	klhl11	6.197582362	5.296318208	0.901264154	0.028757
peak_39923	chr13	43409104	43409957	17	promoter-TSS (NM_001013501)	NM_001013501	capn2a	8.711090013	7.80986819	0.901221823	0.017792
peak_38388	chr11	37195870	37197045	272	exon (NM_200667, exon 2 of 7)	NM_200667	sypl2a	8.383651535	7.48245328	0.901198255	0.013763
peak_42430	chr13	350779	351921	-22673	Intergenic	NM_212700	degs1	8.323224899	7.422442046	0.900782852	0.026138
peak_43184	chr20	16922990	16923663	932	intron (NM_213184, intron 1 of 5)	NM_213184	nfkbiaa	7.388541423	6.48792972	0.900611703	0.029455
peak_37703	chr7	13008123	13008745	-123841	Intergenic	NM_001080993	mex3b	9.571743985	8.671161117	0.900582868	0.012053
peak_42262	chr18	33682003	33682513	69749	Intergenic	NM_199671	snrpa	6.413819593	5.513559959	0.900259634	0.025504
peak_41477	chr21	19861523	19861970	-13263	Intergenic	NM_199645	eif4ebp1	7.477517288	6.57743695	0.900080337	0.022843
peak_42080	chr2	43546617	43547014	-23544	Intergenic	NM_205674	nrp1b	6.472567065	5.573020285	0.89954678	0.024941
peak_40965	chr12	4311840	4312338	-5	promoter-TSS (NM_001089362)	NM_001089362	vps25	7.479989636	6.580502805	0.899486831	0.021159
peak_39093	chr13	36166357	36167475	107	5' UTR (NM_212992, exon 1 of 9)	NM_212992	agpat4	9.81408993	8.915011026	0.899078905	0.015511
peak_42390	chr25	25378542	25379166	-368808	Intergenic	NM_001002089_1	tsg101a	7.044901767	6.145905794	0.898995974	0.025994
peak_40417	chr3	12194780	12195725	76129	intron (NM_001076623, intron 5 of 10)	NM_001076623	prkar1b	8.326254073	7.427267949	0.898986124	0.019304
peak_39786	chr12	36846148	36847098	-18203	Intergenic	NM_200770	fscn2b	8.958020934	8.059295265	0.898725669	0.017348
peak_39461	chr1	10595659	10596153	274715	Intergenic	NM_001040305	brat1	8.568272898	7.670007523	0.898265375	0.016467
peak_41640	chr22	3336895	3337407	-9133	Intergenic	NM_001285535	tbxa2r	6.753928578	5.855905618	0.898022959	0.023417
peak_43995	chr15	27831641	27832751	339	exon (NM_001030229, exon 1 of 2)	NM_001030229	ankrd13b	8.265680009	7.368169182	0.897510827	0.032941
peak_42883	chr16	57700389	57701063	-35060	Intergenic	NM_001003988	xrcc1	8.821599721	7.924130744	0.897468977	0.028074
peak_43111	chr14	1659694	1660488	42074	Intergenic	NM_001045338	hrh2	7.341337465	6.444871772	0.896465693	0.029057
peak_36965	chr14	42099329	42100768	18490	intron (NM_131159, intron 1 of 8)	NM_131159	ef1	10.87417825	9.977859746	0.896318504	0.010502
peak_41039	chr12	5173702	5174671	-147386	Intergenic	NM_001077333	ca15c	7.930141424	7.033872788	0.896268636	0.021454
peak_42041	chr4	9701069	9701838	32805	Intergenic	NM_200937	ing3	7.284520728	6.388993773	0.895526954	0.024794
peak_43222	chr10	9973924	9974454	321261	Intergenic	NR_029938		7.232564201	6.34089902	0.891665181	0.02962
peak_40340	chr22	28421267	28422055	-7911	Intergenic	NM_001083852	wu:fu71h07	7.534620313	6.643131153	0.891489161	0.019043
peak_41586	chr7	61888738	61889257	-128926	Intergenic	NM_001005985	rwdd	7.016085923	6.124678986	0.891406937	0.023272
peak_37188	chr16	9695387	9697401	-53313	Intergenic	NM_213342	ddc	10.93775737	10.04638264	0.891374723	0.010985
peak_40183	chr11	16454955	16455599	162	exon (NM_001020729, exon 1 of 7)	NM_001020729	ctbs	7.30390028	6.41262028	0.89128	0.018561
peak_41899	chr14	33812151	33812752	2473	intron (NM_001201463, intron 2 of 5)	NM_001201463	chic1	7.094933242	6.204527316	0.890405927	0.024313
peak_42452	chr7	50729457	50730598	378163	Intergenic	NM_001020629	hrasb	8.462545775	7.572177696	0.89036808	0.026234
peak_39384	chr1	26069713	26070344	-8516	Intergenic	NM_001122755	bnc2	8.06947022	7.179539217	0.889931003	0.01628
peak_42488	chr14	5391702	5392605	128	5' UTR (NM_001007134, exon 1 of 2)	NM_001007134	lbx2	8.550336154	7.660590928	0.889745226	0.026377
peak_41581	chr5	8783932	8784650	58553	Intergenic	NM_131457	bmpr1ba	7.780228892	6.890546358	0.889682534	0.023257
peak_43199	chr3	52334732	52335414	30162	intron (NM_001040245, intron 1 of 12)	NM_001040245	baiap2a	7.346495918	6.456878512	0.889617405	0.029518
peak_42027	chr17	25302170	25302859	16400	intron (NM_201486, intron 1 of 5)	NM_201486	clic4	9.663324534	8.773916009	0.889408525	0.024787
peak_41711	chr6	29464773	29465285	-39964	Intergenic	NM_194376	ptmaa	7.350011892	6.460951181	0.889060711	0.023666
peak_43440	chr17	16604947	16605767	8831	intron (NM_001033743, intron 1 of 6)	NM_001033743	ston2	8.744298448	7.855455788	0.88884266	0.030576
peak_41981	chr11	42640763	42641236	83887	Intergenic	NM_001005938	park7	7.744919514	6.856138817	0.888780697	0.024591
peak_43876	chr13	53926936	53927823	15492	intron (NM_199954_1, intron 4 of 4)	NM_200520	zgc:66337	8.552865964	7.664188435	0.888677529	0.032466
peak_39652	chr5	14476475	14477266	-14304	Intergenic	NR_030079		8.791162251	7.90286192	0.888300332	0.017002
peak_41037	chr13	36779599	36780212	13185	intron (NM_001168286, intron 1 of 21)	NM_001168286	actn1	6.897986938	6.009716698	0.888270239	0.021449
peak_42405	chr17	6758761	6760110	38559	Intergenic	NM_001287088	zgc:172341	8.238202901	7.351029383	0.887173518	0.026057
peak_39806	chr23	19244772	19245595	12137	intron (NM_131807, intron 2 of 2)	NM_200803	cox4i2	7.932954158	7.04618424	0.886769919	0.01741
peak_43039	chr8	43310376	43310779	1986	intron (NM_001123255, intron 1 of 16)	NM_001123255	rnf10	7.288339697	6.402378711	0.885960986	0.028799
peak_43352	chr1	19505486	19505900	101634	Intergenic	NM_131010	tll1	6.673315483	5.787439155	0.885876329	0.030231
peak_40768	chr7	76771876	76775068	-18722	Intergenic	NM_001076724	casq1b	10.94793029	10.0622405	0.885689794	0.020483
peak_43666	chr25	4666866	4667428	-183121	Intergenic	NM_001080181	gnb5a	7.07577281	6.190118106	0.885654704	0.031542
peak_39929	chr15	21828908	21829290	-86791	Intergenic	NM_001110169_2	zgc:171957	7.608174831	6.723179711	0.88499512	0.017812
peak_41967	chr16	38875216	38875643	-329296	Intergenic	NM_001200061	LOC100005807	6.785842092	5.901022285	0.884819807	0.024542
peak_37299	chr25	7972087	7973194	38570	Intergenic	NM_001012387	kcnj11l	10.1235554	9.239034605	0.884520799	0.011215
peak_37738	chr24	3443171	3444508	-23454	Intergenic	NM_001033726	zgc:113390	9.578830119	8.694503252	0.884326866	0.012129
peak_43434	chr13	2915860	2916492	-26005	Intergenic	NM_131567	prph2b	7.29058832	6.406426608	0.884161711	0.030555
peak_41324	chr17	43841896	43842519	68050	Intergenic	NM_212602	ahsa1l	7.170295511	6.286224829	0.884070681	0.022372
peak_43139	chr15	14003535	14004431	241	intron (NM_001077578, intron 1 of 17)	NM_001077578	pnkp	8.164384495	7.280473464	0.883911031	0.029215
peak_43493	chr15	27455438	27456037	10701	Intergenic	NM_001102390	crybb1l3	7.667035954	6.783130665	0.883905289	0.030768
peak_41930	chr15	28230186	28230596	26410	3' UTR (NM_001030235, exon 22 of 22)	NM_001030235	eml2	7.119694468	6.235810621	0.883883847	0.024436
peak_43642	chr17	7094324	7094704	222915	Intergenic	NM_001023572	zbtb24	6.402138434	5.518264939	0.883873495	0.031412
peak_42547	chr13	22126338	22127441	160581	Intergenic	NM_001145707	zswim8	7.967946636	7.084130541	0.883816096	0.026647
peak_38805	chr11	11085596	11086565	115549	Intergenic	NM_001007422	mvda	8.980446495	8.097196197	0.883250299	0.014787
peak_41793	chr19	49695536	49695913	47153	intron (NM_001040330, intron 2 of 8)	NM_001001889	ctnnb2	7.224492546	6.34157328	0.882919266	0.023945
peak_41747	chr5	57980693	57981217	-57917	Intergenic	NM_001102384	tbx2a	7.316530887	6.43415307	0.882377817	0.023799
peak_42384	chr3	20083152	20083615	-75756	Intergenic	NM_194417	sepw2a	7.636911763	6.754572194	0.882339569	0.025968
peak_41352	chr11	40420625	40421602	15449	intron (NM_001040387, intron 1 of 4)	NM_001040387	wnt4a	7.790721309	6.908719129	0.88200218	0.022492
peak_41344	chr24	4216322	4217982	9440	Intergenic	NM_201461	klf6a	8.13749896	7.255577467	0.881921493	0.022443
peak_43692	chr14	11533389	11534052	-60338	Intergenic	NM_001020678	zgc:112315	7.089435934	6.208557045	0.880878889	0.031669
peak_40851	chr17	27170162	27170779	30762	Intergenic	NM_001017678	ppie	8.979621783	8.098916742	0.880705041	0.020724
peak_40057	chr4	4596778	4597171	28256	exon (NM_001080651, exon 4 of 12)	NM_001080651	creb3l2	7.504233608	6.623632138	0.880601471	0.018182
peak_39889	chr18	15995672	15996135	89929	Intergenic	NM_001045074	alx1	8.170605211	7.290185564	0.880419647	0.017668
peak_39068	chr8	29879216	29879722	130738	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	8.327273223	7.446894412	0.880378811	0.015435
peak_41942	chr11	42998450	42998911	-39379	Intergenic	NM_001017657	mrto4	7.332209272	6.451838314	0.880370958	0.024485
peak_42022	chr3	4086961	4087658	-56310	Intergenic	NM_001077336	pick1	7.217392765	6.337558281	0.879834484	0.024763
peak_39263	chr3	10816083	10816843	-5103	Intergenic	NM_001130786	pctp	8.57313682	7.693668575	0.879468245	0.016006
peak_43935	chr25	32175221	32175613	54731	Intergenic	NM_001009901	tnni2a.4	6.349615411	5.470437177	0.879178234	0.032687
peak_43903	chr14	38894795	38895648	688322	Intergenic	NM_001048055	lect2l	7.550801823	6.671680945	0.879120878	0.032576
peak_41995	chr13	53336313	53338277	36798	Intergenic	NM_200969	sncb	8.86887475	7.990562307	0.878312443	0.024658
peak_42277	chr19	19224585	19225853	-222	promoter-TSS (NM_131540)	NM_131540	hoxa5a	9.546953219	8.668857999	0.87809522	0.025573
peak_43018	chr16	2931900	2932196	229955	Intergenic	NM_001162542	adcy3l	6.430258998	5.552857949	0.87740105	0.028698
peak_41140	chr18	10868973	10869857	-425969	Intergenic	NM_001045135	si:ch211-59c24.1	7.688347362	6.81126868	0.877078682	0.021798
peak_37332	chr5	34421837	34423099	9422	intron (NM_001003425, intron 8 of 9)	NM_001003425	ppp2r4	10.22252169	9.34579083	0.876730859	0.011282
peak_43875	chr18	39715274	39715714	61179	intron (NM_212831, intron 4 of 13)	NM_212831	veph	6.482956608	5.606370717	0.876585891	0.03245
peak_43214	chr18	24786756	24787552	130	5' UTR (NM_001103135, exon 1 of 3)	NM_001083096	fam174b	8.588558385	7.712100232	0.876458154	0.029593
peak_38843	chr16	52320671	52321969	273692	Intergenic	NM_001110524	brd2b	11.02604869	10.14984712	0.876201571	0.01486
peak_39332	chr15	39552431	39554138	-79	promoter-TSS (NM_131395)	NM_131395	mtnr1ba	8.228469269	7.352632053	0.875837216	0.016138
peak_40538	chr3	59868913	59869585	-62195	Intergenic	NM_212936	nptx1l	7.533545811	6.658542759	0.875003052	0.019752
peak_43394	chr6	15462442	15463281	76056	Intergenic	NM_001079679	mlphb	8.389378744	7.514509201	0.874869543	0.030386
peak_43053	chr2	47264630	47265437	257590	Intergenic	NM_001145932	acsl3b	7.321641209	6.446920831	0.874720378	0.028847
peak_41495	chr6	49742392	49742995	10105	intron (NM_201190, intron 10 of 14)	NM_201190	nelfcd	7.197723398	6.323039417	0.874683981	0.022893
peak_43220	chr17	48839809	48840369	21477	exon (NM_001037401, exon 5 of 5)	NM_001037401	kcnk5a	6.454336042	5.579707407	0.874628635	0.029617
peak_43871	chr14	39006575	39007207	799992	Intergenic	NM_001048055	lect2l	7.039888319	6.165704346	0.874183973	0.032433
peak_39670	chr23	30146236	30147407	19283	Intergenic	NM_001079960	mxra8b	9.52297596	8.648979599	0.873996361	0.017046
peak_41311	chr16	5446528	5447368	28867	Intergenic	NM_201200	ppp1r8b	8.457911731	7.585788001	0.872123731	0.022342
peak_43820	chr13	6958653	6959382	33432	Intergenic	NM_001200010	LOC557507	6.979342659	6.107441755	0.871900904	0.032254
peak_41380	chr13	13075555	13076025	79837	Intergenic	NM_131606	fgfr3	7.373061012	6.501190154	0.871870859	0.02257
peak_44002	chr16	34518630	34519142	21	promoter-TSS (NM_001002535)	NM_001002535	rwdd1	6.970078159	6.098610396	0.871467763	0.032947
peak_43105	chr1	2125659	2126734	79925	Intergenic	NM_001089560	ggact.3	8.500942493	7.629612533	0.87132996	0.029023
peak_41161	chr5	47688628	47689316	-75	promoter-TSS (NM_001128340)	NM_001128340	iqgap2	8.642718535	7.773076706	0.869641829	0.021875
peak_41133	chr23	20431184	20432078	-9099	Intergenic	NM_001006054	lrrc23	8.000328453	7.13125739	0.869071063	0.021778
peak_39818	chr19	22260750	22261641	-62305	Intergenic	NM_001159669	LOC100003866	9.66701522	8.798766089	0.868249131	0.017461
peak_43606	chr3	11843999	11844568	31948	intron (NM_001077334, intron 2 of 3)	NM_001077334	hlfa	7.298866247	6.430969429	0.867896818	0.031251
peak_40817	chr15	41772863	41773609	-37969	intron (NM_001045128, intron 4 of 13)	NM_001082897	kcne4	8.828876029	7.96119238	0.867683649	0.02062
peak_39980	chr22	11387417	11388250	133530	Intergenic	NM_205626	bcor	8.477401116	7.610996104	0.866405012	0.017983
peak_38041	chr9	56241797	56243149	-32403	Intergenic	NM_001002457	egfl6	10.46802996	9.602048623	0.865981333	0.012869

peak_42541	chr17	38647679	38648129	-93118	Intergenic	NM_131525	sptb	6.575047252	5.709205711	0.865841542	0.026626
peak_41800	chr14	41638119	41639547	55801	intron (NM_001127519, intron 4 of 4)	NM_001127519	pcdh19	8.608400178	7.74352782	0.864872358	0.023963
peak_40926	chr5	21027407	21028341	155618	Intergenic	NM_131099	foxn4	9.759609119	8.894737438	0.864871681	0.021063
peak_41587	chr2	10798642	10799745	19351	intron (NM_001130643, intron 4 of 17)	NM_001130643	ssbp3a	10.49475788	9.629919237	0.864838646	0.023273
peak_40936	chr7	15721880	15722721	298975	Intergenic	NM_200799	zgc:73349	8.052895915	7.188152454	0.864743461	0.021089
peak_38831	chr18	300110	301701	251	exon (NM_199903, exon 1 of 1)	NM_199903	larp6	10.35083806	9.486402459	0.864435601	0.014826
peak_41628	chr16	18403991	18404737	-115718	Intergenic	NM_001290140	zgc:56148	8.458485292	7.594519894	0.863965397	0.023385
peak_40631	chr18	30370869	30371531	-14818	Intergenic	NM_001080807	gse1	8.188470071	7.325493643	0.862976427	0.020027
peak_40722	chr11	19661891	19662593	82812	Intergenic	NM_001257196	adamts9	8.526334774	7.663568116	0.862766658	0.0203
peak_43957	chr5	13839711	13840359	26887	TTS (NM_001128413)	NR_034191		7.931598757	7.068841482	0.862757275	0.032748
peak_42240	chr6	55304148	55305824	630	intron (NM_200550, intron 2 of 10)	NM_200550	ctsa	8.812636812	7.950915655	0.861721157	0.025437
peak_40358	chr12	35547594	35548482	-16492	intron (NM_001003874, intron 8 of 9)	NM_182874	timp2a	7.73015193	6.86870334	0.861448589	0.019099
peak_38123	chr23	35961991	35962825	-7666	Intergenic	NM_131339	rarga	9.824941709	8.963627793	0.861313916	0.01304
peak_39749	chr16	31351636	31352224	22882	intron (NM_131317, intron 2 of 9)	NM_131317	mef2d	8.18778283	7.326841343	0.860941487	0.017247
peak_43054	chr4	39715438	39715857	333870	Intergenic	NM_001109839	zgc:173617	6.953092428	6.094039095	0.859053333	0.028848
peak_39214	chr11	10939169	10940074	-24759	Intergenic	NM_001083573	psmd14	10.65554436	9.797316273	0.858228087	0.015856
peak_42554	chr13	15948216	15948713	-17	promoter-TSS (NM_130986)	NM_130986	ikzf1	7.57354758	6.715582181	0.857965399	0.026675
peak_40329	chr11	35024903	35026688	410	exon (NM_214705, exon 1 of 1)	NM_214705	fam43a	9.941085091	9.083223386	0.857861705	0.01902
peak_39290	chr1	41978334	41979294	-13393	Intergenic	NM_001080190	mogs	8.903474342	8.045807384	0.857666958	0.01604
peak_43320	chr5	46535365	46536234	-27694	Intergenic	NM_205628	dmrt1	8.261952111	7.404357837	0.857594274	0.030098
peak_43141	chr14	10918094	10919017	42663	intron (NM_200653, intron 30 of 34)	NM_001040407	fgf16	8.734624681	7.87720992	0.857414761	0.029223
peak_43281	chr15	38702159	38702639	25	promoter-TSS (NM_001039991)	NM_001039991	gpr55a	7.020495542	6.163181387	0.857314154	0.029884
peak_41431	chr18	25478017	25478492	-58051	Intergenic	NM_001172661	si:ch211-39k3.2	7.477647842	6.620461506	0.857186336	0.022708
peak_38828	chr23	4072405	4073950	201	5' UTR (NM_001045332, exon 1 of 9)	NM_001045332	b4galt5	10.25018369	9.393111305	0.857072387	0.014825
peak_42917	chr15	22696010	22696541	-6	promoter-TSS (NM_001012367)	NM_001012367	mcamb	8.488674421	7.632868499	0.855805922	0.028209
peak_43552	chr16	45294623	45295155	-3	promoter-TSS (NM_131506)	NM_131506	tbx20	7.336304494	6.480961827	0.855342667	0.031015
peak_42779	chr17	27181771	27182479	19107	Intergenic	NM_001017678	ppie	7.363048386	6.50773651	0.855311877	0.027614
peak_41130	chr2	35465298	35465908	16737	Intergenic	NM_001020770	ankrd45	8.985889803	8.131473386	0.854416417	0.021775
peak_43237	chr16	34619023	34620145	-1278	Intergenic	NM_001130601	mms22l	8.589760576	7.736143083	0.853617493	0.029696
peak_40652	chr24	6458314	6459677	82	promoter-TSS (NM_131774)	NM_131774	anxa13	9.189103938	8.335606743	0.853497194	0.020093
peak_40806	chr22	20654810	20656108	5581	intron (NM_001172683, intron 3 of 20)	NM_001172683	tcf3b	8.986588505	8.133728303	0.852860202	0.020589
peak_38748	chr19	45125473	45126339	-65929	Intergenic	NM_201081	wasf2	9.704264767	8.851478863	0.852785904	0.014591
peak_42229	chr10	45062563	45064069	-7049	Intergenic	NR_045221		8.60637408	7.754012915	0.852361165	0.025413
peak_42137	chr25	37036119	37036567	6031	intron (NM_001040188, intron 3 of 4)	NM_001040188	hsd17b2	7.99783628	7.145741312	0.852094968	0.025128
peak_38791	chr16	35477125	35478296	191	exon (NM_001020635, exon 1 of 7)	NM_001020635	rragca	10.26500759	9.415396897	0.849610698	0.014737
peak_43442	chr19	36648032	36649610	-64604	Intergenic	NM_001044971	bmp8a	9.918492703	9.069189007	0.849303696	0.030587
peak_38511	chr23	46205660	46206580	-519	promoter-TSS (NM_130919)	NM_130919	vdra	10.76520643	9.91594504	0.849261391	0.014015
peak_41487	chr24	41667885	41669617	-86373	Intergenic	NM_001077598	aoc1	8.473997135	7.625440322	0.848556813	0.022867
peak_39401	chr15	19844045	19844917	33180	Intergenic	NM_001008574	usp2a	9.8981563	9.050163133	0.847993167	0.016317
peak_42570	chr23	19377976	19378985	13925	intron (NM_001102675, intron 2 of 2)	NM_001102675	pard6b	8.961742583	8.114578383	0.8471642	0.026726
peak_41369	chr5	41664433	41665725	45666	Intergenic	NM_001100075	tmem175	9.01356838	8.167387419	0.846180962	0.022536
peak_43148	chr3	128753	130540	2725	intron (NM_200075, intron 2 of 7)	NM_200075	hspbp1	8.310025637	7.464190586	0.84583505	0.02927
peak_43375	chr6	33044577	33045230	-190021	Intergenic	NM_201143	pik3r3b	6.912874466	6.067048842	0.845825624	0.030327
peak_40963	chr10	20141437	20143410	58	promoter-TSS (NM_001201409)	NM_001201409	dmtn	10.01373605	9.168186618	0.845549428	0.021154
peak_43091	chr19	41084293	41085278	-20805	Intergenic	NM_001044320	si:ch211-173p18.	8.574121196	7.729076797	0.845044399	0.028967
peak_42267	chr20	1865575	1866407	96968	intron (NM_001278799, intron 12 of 49)	NM_001278799	lama2	7.98779905	7.143859119	0.843939932	0.025519
peak_41832	chr22	18973324	18974175	-3154	Intergenic	NM_207052	midn	9.699256468	8.856449755	0.842806713	0.024063
peak_39910	chr8	53248952	53250128	32	promoter-TSS (NM_001002178)	NM_001002178	zgc:91909	9.36144879	8.51914306	0.84230573	0.017728
peak_40048	chr16	15611516	15612049	14	promoter-TSS (NM_001003509)	NM_001003509	grwd1	8.651396494	7.809905454	0.84149104	0.018145
peak_40108	chr23	7681519	7682635	-13871	Intergenic	NM_153652	plagl2	10.27410064	9.433626623	0.840474018	0.01834
peak_42505	chr2	32073295	32074289	-2873	Intergenic	NM_001130663	asap1a	9.178603808	8.338349946	0.840253861	0.026445
peak_43919	chr7	12985658	12986152	-101312	Intergenic	NM_001080993	mex3b	6.593418071	5.754280686	0.839137385	0.032622
peak_42219	chr6	43736222	43737065	77353	intron (NM_001039637, intron 3 of 19)	NM_001039637	foxp1b	8.306059387	7.467877798	0.838181588	0.025383
peak_41834	chr19	11698241	11699195	30177	Intergenic	NM_001001399	ssr2	8.206028932	7.368410332	0.837618601	0.024068
peak_42663	chr21	43923723	43924259	-6904	intron (NM_001012389, intron 2 of 10)	NM_001001404	vdac1	7.828335627	6.991742399	0.836593228	0.027145
peak_43116	chr18	48801181	48802167	-25876	Intergenic	NM_001045317	mob2b	10.21540016	9.380192999	0.83520716	0.029076
peak_41897	chr4	20241526	20242230	99906	intron (NM_001002463, intron 6 of 6)	NM_001002463	syt1a	7.715969895	6.880868295	0.835101599	0.024309
peak_41173	chr5	54529451	54530849	-197903	Intergenic	NM_001114424	thbs4a	8.130196752	7.295181418	0.835015333	0.021915
peak_40472	chr22	25514495	25515959	189	intron (NM_201187, intron 1 of 8)	NM_201187	polr3f	9.856422909	9.022038576	0.834384333	0.019497
peak_43174	chr22	19953380	19954292	-4802	Intergenic	NM_199573	rgmd	7.801914857	6.968319498	0.833595359	0.02941
peak_43915	chr7	38712432	38713038	-56702	Intergenic	NM_001146014	sall1a	7.952110992	7.119476197	0.832634795	0.032609
peak_42043	chr10	45163724	45164341	11597	intron (NM_131312, intron 2 of 10)	NM_131312	mef2ca	8.819002087	7.986660065	0.832342022	0.024798
peak_43275	chr2	24935386	24936088	-26132	Intergenic	NM_001002303	nceh1a	7.740910775	6.909143311	0.831767464	0.029854
peak_41669	chr5	6569381	6570421	57451	Intergenic	NM_001013333	zgc:110796	8.088386193	7.257557142	0.83082905	0.023526
peak_41733	chr14	12436631	12437620	-82	promoter-TSS (NM_200990)	NM_200990	hdac3	8.853565706	8.022858719	0.830706987	0.02375
peak_43911	chr20	39640518	39640939	-18681	Intergenic	NM_131622	hey2	7.299014011	6.468939422	0.830074588	0.0326
peak_42631	chr20	38059226	38060001	2326	intron (NM_001044995, intron 1 of 14)	NM_001044995	galnt14	7.680103908	6.852101405	0.828002503	0.02697
peak_42106	chr10	45108793	45110178	-53218	intron (NM_131312, intron 4 of 10)	NR_045221		8.934702221	8.107878199	0.826824022	0.025018
peak_41894	chr21	43894580	43895421	22087	intron (NM_001012389, intron 2 of 10)	NM_001001404	vdac1	9.755052992	8.928729009	0.826323982	0.024303
peak_40833	chr21	3510272	3511295	178586	Intergenic	NM_175082	smad7	8.974193346	8.148032275	0.826161071	0.020661
peak_40951	chr6	9057894	9061459	244	exon (NM_001004584, exon 1 of 2)	NM_001004584	sdprb	10.84344741	10.01740717	0.826040242	0.021123
peak_39586	chr16	44866159	44867826	-30915	intron (NM_001168265, intron 1 of 11)	NM_199838	zgc:66432	10.85201039	10.02614259	0.825867797	0.016844
peak_42099	chr7	21689554	21691089	-3141	Intergenic	NM_001080083	zgc:158423	8.40793366	7.58291585	0.825017809	0.024999
peak_42715	chr23	8775975	8776798	-9725	Intergenic	NM_001130639	rgs19	7.622677134	6.797854137	0.824822996	0.027334
peak_43570	chr21	1478473	1479157	371113	Intergenic	NM_201138	txnl1	7.713248519	6.888908151	0.824340369	0.031091
peak_40156	chr23	13778746	13780432	63381	Intergenic	NR_030650		9.759076388	8.93481868	0.824257708	0.018481
peak_42604	chr1	45396090	45397209	140	promoter-TSS (NM_001145610)	NM_001145611	si:dkey-9i23.16	8.631081525	7.808180871	0.822900653	0.026867
peak_42752	chr7	25251565	25252119	-37709	Intergenic	NM_200567	dhrs2	7.884444523	7.061633389	0.822811134	0.02748
peak_41432	chr2	722354	723586	147424	Intergenic	NM_131728	foxc1a	8.394695212	7.572384102	0.82231111	0.02272
peak_40314	chr2	21601708	21603396	41901	Intergenic	NM_201454	rab2a	11.05733536	10.23548442	0.82185094	0.018977
peak_42838	chr9	41782444	41783160	163082	Intergenic	NM_001128564	vwc2l	7.983799265	7.162029321	0.821769944	0.027833
peak_43649	chr16	31379693	31380289	-5179	Intergenic	NM_131317	mef2d	8.272676396	7.450980277	0.821696118	0.031433
peak_40782	chr22	18883657	18884540	86497	Intergenic	NM_207052	midn	9.079975204	8.258435165	0.821540039	0.020533
peak_43291	chr5	56091916	56093282	708	intron (NM_199621, intron 1 of 17)	NM_199621	lnpep	8.392926504	7.572089963	0.820836541	0.029945
peak_41808	chr21	28184955	28186224	43925	intron (NM_001003543, intron 7 of 7)	NM_001003543	zgc:100829	10.20810546	9.387748967	0.820356489	0.023979
peak_42589	chr19	29443052	29444456	-168680	Intergenic	NM_213122	sox4a	8.990748412	8.170635759	0.820112653	0.026816
peak_41707	chr14	13710691	13712212	39	promoter-TSS (NM_001002326)	NM_001002326	pls3	9.690064233	8.870382429	0.819681804	0.023659
peak_43839	chr6	11766749	11767563	-44096	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	8.224419038	7.404972572	0.819446466	0.032327
peak_41254	chr5	74834188	74835005	222	intron (NM_001003993, intron 1 of 6)	NM_001003993	ak1	9.204835016	8.385608555	0.819226461	0.022189
peak_42788	chr1	48012099	48013750	15904	Intergenic	NM_200389	obfc1	10.24081521	9.422270373	0.81854484	0.027643
peak_43794	chr2	26868638	26869544	37952	Intergenic	NM_001002745	impa1	8.320330934	7.50198271	0.818348224	0.032171
peak_41939	chr14	33735070	33736121	5387	Intergenic	NM_173247	slc25a5	9.267286458	8.449092248	0.81819421	0.024478
peak_42633	chr12	22052188	22053149	8813	TTS (NM_001082934)	NM_001082934	st6galnac1.2	8.61155462	7.794081597	0.817473023	0.026978
peak_42709	chr16	18170469	18172036	31730	Intergenic	NM_001020558	fabp11b	9.367333163	8.552517175	0.814815988	0.027317
peak_40613	chr7	77053083	77055310	2412	Intergenic	NM_001020651	zgc:112102	9.311408454	8.497566987	0.813841467	0.019962
peak_43938	chr7	27395727	27396165	-72	promoter-TSS (NM_001114559)	NM_001114559	serpine1	7.586329282	6.772529315	0.813799966	0.0327
peak_42282	chr6	49772671	49773241	-20158	Intergenic	NM_201190	nelfcd	8.95841876	8.145161487	0.813257273	0.025589
peak_43263	chr1	57683473	57684654	-14475	intron (NM_001113805, intron 8 of 9)	NM_001033742	b3gntl1	8.522861648	7.709745545	0.813116103	0.029821
peak_43382	chr6	1655598	1656634	-91	promoter-TSS (NM_001030251)	NM_001030251	tpra1	8.342772157	7.532973467	0.80979869	0.030349
peak_41972	chr1	59662912	59663542	13902	Intergenic	NM_001080640	tmed1b	8.706769427	7.897364105	0.809405322	0.024559
peak_43118	chr6	35439904	35440965	-129069	Intergenic	NM_001256393	apoer2	7.958592959	7.149575036	0.809017923	0.029101
peak_41008	chr21	14395696	14396592	26324	intron (NM_131840, intron 1 of 10)	NM_131840	tnfrsfa	9.127637299	8.31871256	0.808924739	0.021307
peak_41595	chr20	38455177	38456270	-27070	Intergenic	NM_001002728	adck3	9.049194919	8.242767365	0.806427553	0.023303
peak_42627	chr17	25255551	25256592	274	intron (NM_001099417, intron 1 of 8)	NM_001099417	zgc:165525	9.021476333	8.21593494	0.805541393	0.026956
peak_43259	chr22	40755950	40756789	25711	intron (NM_001102639, intron 5 of 9)	NM_001102639	acap2	8.26825363	7.462805424	0.805448206	0.029791

peak_43537	chr4	45117566	45118212	140448	Intergenic	NM_001128300	LOC100008037	8.103361322	7.298044978	0.805316344	0.030933
peak_43122	chr4	21393467	21394381	-21914	Intergenic	NM_200791	zgc:73329	8.7431731	7.93907547	0.80409763	0.029117
peak_43966	chr24	22710931	22711812	132	exon (NM_131572, exon 1 of 4)	NM_131572	dap	9.520995266	8.717720643	0.803274622	0.032773
peak_43497	chr21	1420826	1423925	314673	Intergenic	NM_201138	txnl1	10.58967165	9.786609287	0.80306236	0.030775
peak_43681	chr3	23990964	23991985	2199	intron (NM_131117, intron 1 of 4)	NM_131117	hoxb3a	9.151238635	8.348405098	0.802833538	0.03162
peak_43189	chr1	40823321	40824671	-131340	Intergenic	NM_001077559	scoca	10.12677691	9.32485168	0.801925232	0.029467
peak_43672	chr5	43623542	43624349	8466	intron (NM_001256655, intron 2 of 7)	NM_001256655	pigl	8.387738622	7.586335539	0.801403083	0.031572
peak_41890	chr24	28748813	28750046	7	promoter-TSS (NM_001080203)	NM_001080203	hs6st1b	9.415718214	8.615707592	0.800010622	0.024295
peak_43728	chr6	13932823	13933423	-11994	Intergenic	NM_001005585	zgc:92027	8.810728595	8.011053656	0.79967494	0.031874
peak_42834	chr18	17489397	17491441	44703	intron (NM_001080030, intron 2 of 7)	NM_001080030	si:ch211-216l23.:	11.10405651	10.30542563	0.798630875	0.027823
peak_43717	chr2	57602367	57603678	-51350	Intergenic	NM_001245962_1	sbno2a	8.499481693	7.701198081	0.798283611	0.031836
peak_41287	chr19	22700735	22701582	83	promoter-TSS (NM_001045159)	NM_001045159	nfatc1	9.460638142	8.66245753	0.798180612	0.022285
peak_42621	chr16	49561370	49562380	466	intron (NM_001017910, intron 1 of 2)	NM_001017910	rpz4	8.962707208	8.164790549	0.797916659	0.026941
peak_42413	chr3	53878289	53879021	71	promoter-TSS (NM_213289)	NM_213289	stxbp2	8.644309682	7.847367771	0.796941911	0.026094
peak_43472	chr9	38806891	38807609	96	promoter-TSS (NM_001113576)	NM_001113576	pdia5	8.414846925	7.617991805	0.796855119	0.030678
peak_42306	chr23	4685431	4686453	73535	intron (NM_181498_1, intron 5 of 5)	NM_199749	cnbpa	9.064089813	8.267744273	0.79634554	0.025669
peak_43354	chr15	83408	84644	-12652	Intergenic	NM_001020822	cyp2y3	9.168611029	8.374101295	0.794509734	0.030244
peak_42571	chr18	35072643	35073549	-36525	Intergenic	NM_001007312	fosb	10.92692847	10.13271292	0.794215544	0.026729
peak_43648	chr7	43901721	43902248	12132	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	7.735847821	6.943176173	0.792671649	0.031431
peak_43668	chr1	34139377	34139997	10003	intron (NM_207062, intron 1 of 5)	NM_207062	klf12a	8.245627489	7.454018986	0.791608503	0.031547
peak_41941	chr15	38022150	38022893	191132	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	9.807445904	9.016324731	0.791121174	0.024482
peak_43407	chr1	226795	228990	913	intron (NM_001077323, intron 1 of 13)	NM_001077323	pros1	9.306265743	8.516536275	0.789729468	0.030438
peak_42667	chr24	41229636	41231259	649	intron (NM_199674, intron 1 of 8)	NM_199674	stub1	9.163396862	8.378095031	0.78530183	0.027159
peak_41966	chr5	16165534	16166366	-18911	Intergenic	NM_001123312	myst3	9.378399026	8.593201726	0.7851973	0.024542
peak_43939	chr23	33867455	33868996	55314	Intergenic	NM_131113	pou6f1	10.19113646	9.407449878	0.783686584	0.032711
peak_42776	chr25	5079820	5080890	86571	Intergenic	NM_001037667	ckap5	9.432019952	8.65234657	0.779673381	0.027599
peak_42953	chr21	22584696	22585854	214	intron (NM_199635, intron 1 of 4)	NM_199635	zbtb16a	9.63555477	8.857815962	0.777738807	0.028379
peak_43580	chr19	30827471	30828208	-73510	Intergenic	NM_214707	zdhhc18b	8.200948497	7.425315654	0.775632843	0.031122
peak_43893	chr7	52218633	52219826	-58416	Intergenic	NM_212439	per1b	8.917674604	8.148977237	0.768697367	0.032538
peak_43385	chr8	30847781	30848699	-117099	Intergenic	NM_001040637	fancc	9.513308707	8.745120943	0.768187765	0.030355
peak_43362	chr7	20287689	20289172	-8789	exon (NM_212868, exon 15 of 16)	NM_001020645	ndufs2	10.43695243	9.672170298	0.764782134	0.030266
peak_43710	chr23	26965498	26966478	-7879	Intergenic	NM_001080679	zgc:158263	9.348123979	8.587501285	0.760622694	0.031794
peak_43287	chr15	13436	15510	453	exon (NM_205704, exon 1 of 8)	NM_205704	bace1	10.61405283	9.857917898	0.756134933	0.02993
peak_43821	chr4	19395543	19396826	25014	intron (NM_131900, intron 30 of 46)	NM_001080613	napepld	8.591649136	9.385956119	-0.794306983	0.032258
peak_44017	chr2	57361831	57362705	20279	Intergenic	NM_001030070	gpx4b	7.938800695	8.751488218	-0.812687523	0.033021
peak_43551	chr7	70601049	70602710	-170784	Intergenic	NM_199682	ap1g1	9.015526337	9.82953076	-0.814004423	0.031015
peak_43376	chr8	1150181	1152328	17127	Intergenic	NM_001128790	sprb	9.524239262	10.34352377	-0.819284505	0.030331
peak_43244	chr7	54012626	54014058	216	intron (NM_214816, intron 1 of 12)	NM_214816	tcf12	9.109606782	9.932115668	-0.822508886	0.029717
peak_44000	chr25	34617321	34617912	217912	Intergenic	NM_001172680	zgc:136826	7.571223854	8.394565849	-0.823341995	0.032945
peak_43747	chr10	22233754	22236083	214	intron (NM_199428, intron 1 of 10)	NM_199428	npm1a	10.03634586	10.86114034	-0.824794473	0.031959
peak_43217	chr10	387175	389436	-24751	Intergenic	NM_199984	zgc:56039	8.646622031	9.471569602	-0.824947571	0.029608
peak_42988	chr13	50454858	50455582	-32300	Intergenic	NM_199981	irf2bp2a	8.493505217	9.319758786	-0.826253569	0.028599
peak_43870	chr5	35577407	35578944	-490	promoter-TSS (NM_200354)	NM_200354	zgc:63972	8.406234582	9.235012939	-0.828778357	0.032431
peak_43078	chr16	6933710	6934355	113	5' UTR (NM_001080659, exon 1 of 16)	NM_001080659	zgc:158689	7.869718245	8.69872023	-0.829001986	0.028925
peak_43702	chr5	59228036	59228762	41851	Intergenic	NM_001100021	si:dkey-27p23.3	7.658343012	8.487650593	-0.829307582	0.031745
peak_43513	chr5	39693577	39695545	-30519	Intergenic	NM_001100954	LOC566993	8.199523835	9.029641328	-0.830117494	0.030823
peak_43014	chr3	2186578	2187187	-15991	Intergenic	NM_205640	mgp	7.299293207	8.132552425	-0.833259218	0.028682
peak_43704	chr12	10792124	10793334	532	intron (NM_200149, intron 2 of 11)	NM_200149	rundc3ab	7.634368947	8.468232924	-0.833863977	0.031751
peak_43837	chr18	39151393	39152037	29457	Intergenic	NM_001017582	snrpd2	7.164618848	7.998773232	-0.834154385	0.032324
peak_42225	chr3	28815186	28816642	496	intron (NM_001201336, intron 1 of 5)	NM_001201336	fbxl16	8.002049691	8.839265106	-0.837215416	0.025401
peak_42969	chr19	47767218	47768186	19	promoter-TSS (NM_200836)	NM_200836	cap2	7.730566057	8.568374328	-0.837808271	0.028483
peak_42199	chr11	51254	53661	-78	promoter-TSS (NM_001200058)	NM_001200058	LOC100006857	9.033976882	9.872120276	-0.838143394	0.02531
peak_43221	chr5	35208413	35209627	-20829	Intergenic	NM_001100078	LOC100002237	8.923953356	9.763012274	-0.839058918	0.029617
peak_43851	chr7	13854695	13855365	-12829	Intergenic	NM_001245957	syt7b	7.652987663	8.493064839	-0.840077176	0.032368
peak_42279	chr6	12765365	12766306	-2571	Intergenic	NM_001039817	bmpr2a	7.995593227	8.835819286	-0.840226059	0.025575
peak_42374	chr17	33494268	33495347	-7803	Intergenic	NM_001007162	dnajc27	9.093631974	9.934365629	-0.840733655	0.025933
peak_42754	chr25	7791083	7791897	8552	Intergenic	NM_001177312	ifitm5	7.572148401	8.415561858	-0.843413456	0.027481
peak_42507	chr14	32011981	32013475	8299	intron (NM_131860, intron 1 of 8)	NM_131860	gpc4	8.597123092	9.440582861	-0.84345977	0.026446
peak_43861	chr21	15831132	15831841	18111	intron (NM_001282392, intron 9 of 21)	NM_001282392	tsc1b	8.124920382	8.968985016	-0.844064633	0.032391
peak_43892	chr12	20198946	20199994	207	intron (NM_001002690, intron 1 of 3)	NM_001002690	csdc2a	7.494003823	8.33867828	-0.844674457	0.032537
peak_43026	chr1	41295029	41295998	-114	promoter-TSS (NM_001113526)	NM_001113526	hmx1	7.344460228	8.190592176	-0.846131948	0.028744
peak_43409	chr10	43130410	43131670	267	intron (NM_001110035, intron 1 of 7)	NM_001110035	rnf34b	9.92906193	10.7758195	-0.846757565	0.030444
peak_43764	chr2	83661	84180	7866	Intergenic	NM_131770	cldn1	6.401098215	7.248752373	-0.847654158	0.032052
peak_42018	chr6	45829768	45830571	12715	intron (NM_131415, intron 3 of 16)	NM_131415	epha2a	8.308145903	9.157960112	-0.849814209	0.024745
peak_43928	chr5	16346687	16347795	-59097	Intergenic	NM_001128246	sc:d411	7.269025355	8.120028689	-0.851003334	0.032661
peak_43455	chr9	14743644	14744165	37162	intron (NM_212966, intron 3 of 16)	NM_212966	nrp2b	7.027619915	7.880851499	-0.853231584	0.030617
peak_42981	chr2	48415731	48418603	-170	promoter-TSS (NM_194400)	NM_194400	hes6	10.50297854	11.35778896	-0.854810423	0.028569
peak_43461	chr1	22849891	22851953	441	exon (NM_152975, exon 1 of 1)	NM_152975	mab21l2	8.590676651	9.445564712	-0.854888061	0.030645
peak_41484	chr13	50530459	50531423	51978	Intergenic	NM_213036	tomm20a	8.38945196	9.245018843	-0.855566883	0.022856
peak_43490	chr23	32999979	33000538	369137	Intergenic	NM_200286	taf8	6.959476518	7.815728721	-0.856252203	0.030754
peak_43301	chr10	46550680	46554402	-4845	Intergenic	NM_001136487	zswim6	10.12767546	10.98400606	-0.856330599	0.029993
peak_42839	chr19	28972237	28973326	-127083	Intergenic	NM_001082990	si:dkey-261i16.5	8.739319846	9.595937911	-0.856618065	0.027833
peak_43595	chr24	40732910	40733668	-995	promoter-TSS (NM_205554)	NM_205554	atp6v0cb	7.053222211	7.910094323	-0.856872112	0.031184
peak_43388	chr12	49773707	49775016	-4043	Intergenic	NM_200855	ndufb8	7.252657886	8.109601927	-0.856944041	0.030371
peak_42116	chr13	25507862	25508593	-71	promoter-TSS (NM_001128681)	NM_001128681	vcla	7.64694795	8.504420986	-0.857473036	0.025037
peak_43438	chr9	58226794	58228339	-47588	Intergenic	NM_001003944	actr3	7.53509454	8.392647335	-0.857552795	0.030567
peak_42698	chr1	40734488	40735467	78763	Intergenic	NM_200023	zgc:56493	7.731612925	8.589344428	-0.857731503	0.027279
peak_43515	chr16	10710483	10711278	-17170	Intergenic	NM_001034965	kiaa0947l	6.97445562	7.832280186	-0.857824566	0.030824
peak_42265	chr7	70840719	70841662	118524	Intergenic	NM_001100142	phlpp2	7.384847471	8.242979383	-0.858131912	0.025505
peak_42142	chr24	40329200	40331692	44	promoter-TSS (NM_130992)	NM_130992	nog2	8.207814702	9.066502562	-0.85868786	0.025138
peak_42252	chr1	51485686	51487296	71	promoter-TSS (NM_199947)	NM_199947	mdh1aa	9.396793658	10.25589078	-0.859097119	0.025469
peak_43462	chr15	1220552	1221300	24834	Intergenic	NM_001037426	mfsd1	7.97716808	8.8375722	-0.860404119	0.030647
peak_43445	chr3	7383138	7383879	413535	Intergenic	NM_205613	hn1b	8.37624827	9.237272702	-0.861024432	0.030594
peak_42638	chr8	33961720	33962494	137	5' UTR (NM_001100146, exon 1 of 21)	NM_001100146	ralgps1	7.855325963	8.71637062	-0.861044658	0.027002
peak_42181	chr18	20009365	20010395	2362	intron (NM_131012, intron 3 of 20)	NM_131012	gro2	8.866845679	9.729155623	-0.862309944	0.025265
peak_42478	chr21	29962638	29963114	26215	exon (NM_001076710, exon 14 of 15)	NM_001076710	zgc:152891	6.747383201	7.610949992	-0.863566791	0.026339
peak_41815	chr5	22883058	22884272	-188	promoter-TSS (NM_001039926)	NM_001039926	hs3st1l2	8.046908098	8.91070716	-0.863799062	0.023997
peak_43129	chr8	30817090	30818197	113588	Intergenic	NM_200364	hsd17b3	7.126494699	7.990706688	-0.864211989	0.029137
peak_43034	chr13	54054045	54054860	-2241	intron (NM_199954_1, intron 4 of 4)	NM_131700	vent	7.154142544	8.018484357	-0.864341813	0.028773
peak_43322	chr3	24008652	24009878	-2627	intron (NM_131117, intron 1 of 4)	NR_030001		6.975164977	7.840878057	-0.86571308	0.030108
peak_42257	chr5	362833	364164	-112993	Intergenic	NM_214750	rnf170	6.698574856	7.564400363	-0.865825506	0.025483
peak_42767	chr21	43173083	43173939	-3989	Intergenic	NM_131826	spry4	9.465387861	10.33142884	-0.866040976	0.02756
peak_43954	chr21	36935484	36936154	-66	promoter-TSS (NM_001039108)	NM_001039108	ripply1	7.840878961	8.707041532	-0.866162571	0.032744
peak_44007	chr2	5590616	5591236	2	promoter-TSS (NM_001291344)	NM_001291344	slc1a7a	6.22346309	7.089879636	-0.866416546	0.032977
peak_43540	chr21	350022	351098	-5891	Intergenic	NM_205663	lhfpl2a	7.334110164	8.200768994	-0.86665883	0.030958
peak_43646	chr5	32062579	32063957	-5615	Intergenic	NM_001128731	atf5a	8.034097808	8.901763541	-0.867665733	0.031429
peak_41507	chr5	4879239	4880018	23759	Intergenic	NM_001110024	zbtb43	8.800140369	9.668793358	-0.868652989	0.022949
peak_41896	chr19	49332793	49333549	20927	intron (NM_001040330, intron 2 of 8)	NM_001002609	psmb2	7.006854271	7.87552568	-0.868671409	0.024305
peak_42794	chr7	30469592	30470897	232	intron (NM_200828, intron 1 of 7)	NM_200828	gnao1b	9.039640113	9.908547621	-0.868907508	0.02767
peak_43932	chr25	13570728	13571773	3244	Intergenic	NR_029920		8.347036183	9.217376787	-0.870340604	0.032682
peak_43970	chr1	49728851	49729400	3033	3' UTR (NM_001115060, exon 4 of 4)	NM_001115060	cxcl-c1c	6.835300581	7.706104086	-0.870803505	0.032805
peak_42360	chr7	72084916	72085864	-68735	Intergenic	NM_001080067	elp5	8.916039669	9.786879549	-0.870839881	0.025869
peak_42623	chr7	25332306	25332822	-15842	Intergenic	NM_194416	mmp14a	7.40344523	8.274286704	-0.870841475	0.026947
peak_40796	chr1	55749341	55750518	121	exon (NM_001111238, exon 1 of 6)	NM_001111238	mri1	9.782408388	10.65354248	-0.871134096	0.020569
peak_40952	chr25	10894312	10895205	42778	intron (NM_001177458, intron 5 of 20)	NM_001177458	lrp5	7.841848792	8.714242892	-0.872394101	0.021125

peak_43364	chr18	4730433	4731125	1500	intron (NM_001006005, intron 1 of 6)	NM_001006005	dut	8.199075027	9.071717648	-0.872642621	0.030283
peak_41410	chr17	22209059	22210618	-1425	Intergenic	NM_001039144	slc8a1b	8.709190951	9.58230904	-0.873118089	0.022647
peak_42741	chr6	7238571	7239716	-376	promoter-TSS (NM_001007038)	NM_001007038	abcc4	9.473684331	10.34701678	-0.873332447	0.027439
peak_42606	chr17	33308011	33308666	-55770	Intergenic	NM_001012313	snx9a	7.128705026	8.002586515	-0.873881489	0.026877
peak_42539	chr15	39190692	39192473	290	intron (NM_001077577, intron 1 of 2)	NM_001077577	fat3a	9.705532343	10.57975099	-0.874218646	0.026619
peak_41240	chr18	47929453	47930746	-169752	Intergenic	NM_001007334	yif1b	7.891411422	8.765642174	-0.874230752	0.022149
peak_42389	chr3	24749286	24750413	-53351	Intergenic	NM_001003603	dnal4a	8.273316081	9.147562277	-0.874246196	0.025989
peak_41991	chr22	24810353	24811013	144477	intron (NM_001017710, intron 5 of 7)	NM_001003617	nek7	6.869624243	7.743991005	-0.874366762	0.024642
peak_43323	chr5	19718520	19718988	17570	intron (NM_178304, intron 1 of 10)	NM_178304	zdhhc8b	6.873765482	7.748655032	-0.87488955	0.030112
peak_43541	chr20	49085890	49086552	-4970	Intergenic	NM_131589	nkx2.1a	6.481727091	7.357503988	-0.875776897	0.030969
peak_43610	chr11	46099987	46101462	-4449	intron (NM_001077304, intron 3 of 11)	NM_212941	mafgb	7.550912232	8.428319055	-0.877406823	0.031268
peak_42274	chr15	21424944	21425775	28257	Intergenic	NM_001271624	tmem136a	7.45609004	8.333589331	-0.877499291	0.025547
peak_41903	chr13	8046593	8047103	6225	exon (NM_001177461, exon 3 of 3)	NM_001177461	prop1	6.842046034	7.719829428	-0.877783395	0.024331
peak_41465	chr12	3113164	3115002	-95988	Intergenic	NM_001171589	gdf10b	7.643653369	8.522320359	-0.87866699	0.022823
peak_42768	chr17	51513784	51514928	132403	Intergenic	NM_200464	aqr	7.98162125	8.860527189	-0.878905939	0.027574
peak_41936	chr14	34604792	34605620	-16452	Intergenic	NM_201032	xpnpep2	7.381811006	8.260975866	-0.879164859	0.024463
peak_41279	chr7	33711277	33712285	-231092	Intergenic	NM_205624	fshb	7.397574322	8.276957393	-0.879383071	0.022262
peak_43451	chr22	32276081	32277240	-376	promoter-TSS (NM_207637)	NM_207637	adra2a	8.331454697	9.210916146	-0.879461449	0.030606
peak_43712	chr10	440868	441383	-77571	Intergenic	NM_199984	zgc:56039	6.555738538	7.43545001	-0.879711472	0.031816
peak_42434	chr19	44318414	44319544	-358	promoter-TSS (NM_207072)	NM_207072	clasp2	8.242722846	9.122976139	-0.880253293	0.026168
peak_40547	chr7	75666987	75669154	-54566	Intergenic	NM_001077468	mrpl21	8.646628432	9.527339588	-0.880711156	0.019792
peak_43860	chr16	37853516	37854612	73349	intron (NM_001002299_1, intron 5 of 16)	NM_001040311	zgc:136683	5.705766241	6.586510459	-0.880744217	0.03239
peak_43292	chr6	30551286	30552700	155824	Intergenic	NM_001037669	insl5a	8.46416169	9.345299815	-0.881138125	0.029946
peak_40766	chr5	23783085	23784740	26774	Intergenic	NM_001126376	asb12a	9.094524083	9.975679323	-0.881155241	0.020476
peak_42599	chr14	38476907	38477621	270365	Intergenic	NM_001048055	lect2l	7.723815645	8.605616163	-0.881800517	0.026855
peak_41708	chr24	37949670	37950731	261	intron (NM_001033748, intron 1 of 3)	NM_001033748	zgc:114120	8.365532513	9.247934653	-0.88240214	0.023663
peak_42168	chr6	43590819	43591883	209746	intron (NM_001039637, intron 8 of 19)	NM_001013450	zgc:113054	8.252437408	9.135590502	-0.883153094	0.025219
peak_41468	chr24	20277014	20277485	-9745	Intergenic	NM_199619	csrnp1b	7.610433279	8.493783593	-0.883350315	0.022831
peak_42536	chr5	34268906	34269957	-139712	Intergenic	NM_199754	ier5l	8.115890705	8.999321377	-0.883430672	0.026606
peak_40848	chr6	10153115	10154086	62972	Intergenic	NM_001044895	scn1lab	7.5742332	8.457811959	-0.883578759	0.020712
peak_42283	chr14	53093978	53095357	-21308	Intergenic	NM_199952	ube2d2l	8.624854069	9.508461618	-0.883607549	0.02559
peak_41570	chr21	29203952	29204553	7716	intron (NM_001077287, intron 1 of 18)	NM_001077287	afap1l1b	7.14076985	8.025106741	-0.884336891	0.023188
peak_40671	chr15	2544863	2545897	33966	intron (NM_131769, intron 2 of 7)	NM_001003514	cux1b	8.666329473	9.550742144	-0.884412671	0.020168
peak_42760	chr10	45941438	45941911	160912	Intergenic	NM_001134725	adrbk2	6.790417616	7.675054043	-0.884636427	0.027504
peak_43166	chr13	53474740	53475830	-146188	Intergenic	NM_213270	lycat	7.094119501	7.979318299	-0.885198798	0.029365
peak_40275	chr5	5528440	5529758	-317460	Intergenic	NM_001076606	mvb12ba	9.228061763	10.11351893	-0.885457164	0.018864
peak_43307	chr10	9500378	9501082	-92	promoter-TSS (NM_200727)	NM_200727	ndufa8	7.195766376	8.081938649	-0.886172273	0.030039
peak_42688	chr7	26147394	26148321	13736	exon (NM_205638, exon 13 of 13)	NM_205638	rcor2	7.279709764	8.166291106	-0.886581342	0.027241
peak_41134	chr14	14074993	14076193	42619	Intergenic	NM_001159584	itln3	9.403809882	10.29154029	-0.887730409	0.021779
peak_40245	chr13	42561486	42562110	8212	Intergenic	NM_200605	cisd1	7.593190371	8.481752503	-0.888562131	0.01876
peak_41190	chr23	38535667	38536317	283052	Intergenic	NM_001020707	zgc:112994	7.166006301	8.054812311	-0.88880601	0.021976
peak_42404	chr8	1219796	1220504	2605	exon (NM_178293, exon 2 of 3)	NM_178293	avp	7.252946198	8.14183277	-0.888886572	0.026052
peak_42567	chr15	40756051	40757594	54229	Intergenic	NM_001007768	farsb	7.981790132	8.87071028	-0.888920148	0.026716
peak_41113	chr24	43655077	43656681	43423	Intergenic	NM_001003987	epb41l3a	8.813329751	9.703047418	-0.889717667	0.02174
peak_42551	chr5	39861127	39862024	-2125	Intergenic	NM_001013497	gnb2	5.986846006	6.876623586	-0.889777579	0.026666
peak_43693	chr25	2459854	2460751	-35424	Intergenic	NM_001034973		7.010790733	7.900849932	-0.890059199	0.031674
peak_43349	chr10	45430479	45431561	35148	Intergenic	NM_001003782	sept5b	8.481654824	9.371819965	-0.890165142	0.030227
peak_41016	chr17	25027403	25028232	11990	Intergenic	NM_001114588	cln8	7.522439687	8.412630215	-0.890190528	0.021364
peak_41856	chr7	31706380	31706871	-1776	Intergenic	NM_001177744	aqp9b	6.909403604	7.799607611	-0.890204007	0.024141
peak_39975	chr21	44258870	44259846	-8291	Intergenic	NM_205747	irf1b	8.67897472	9.569346291	-0.890371572	0.01796
peak_42422	chr25	31210426	31211076	-12626	intron (NM_200881, intron 7 of 10)	NM_001003511	alkbh3	6.88351378	7.77404073	-0.89052695	0.026116
peak_43529	chr23	44516104	44517116	-38420	intron (NM_131417, intron 9 of 16)	NM_200759	eif4e2rs1	6.610433279	7.50100412	-0.890570841	0.03089
peak_41231	chr19	24928886	24929536	-152	promoter-TSS (NM_001045214)	NM_001045214	thbs3b	7.053718756	7.944626401	-0.890907645	0.022121
peak_43147	chr14	50645608	50646216	-333140	Intergenic	NM_001002065_1	ppid	6.147781807	7.038823118	-0.891041311	0.029241
peak_40913	chr7	21304486	21305825	37590	Intergenic	NM_001030238	zgc:114045	8.789172803	9.680362527	-0.891189724	0.020982
peak_43887	chr3	35662448	35663069	-22661	Intergenic	NM_001002497	dctn5	5.943100495	6.834413472	-0.891312977	0.032519
peak_40095	chr13	29355076	29356090	3570	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	8.152284536	9.043699967	-0.891415431	0.018304
peak_41447	chr9	26829034	26830129	18966	intron (NM_001114551, intron 1 of 8)	NM_001114551	zeb2a	7.559836203	8.451342258	-0.891506055	0.022773
peak_40731	chr12	43407572	43408335	-140106	Intergenic	NM_001020516	dpysl4	8.100070516	8.991612798	-0.891542282	0.020333
peak_43004	chr18	38654496	38655220	2769	intron (NM_001017682, intron 1 of 17)	NM_001017682	sema6dl	7.325500374	8.217792825	-0.892292451	0.028655
peak_39414	chr24	43467825	43470296	18811	intron (NM_001034986, intron 3 of 52)	NM_001034986	lama1	9.198549059	10.09093897	-0.892389907	0.016346
peak_43327	chr10	20802603	20803380	-15677	Intergenic	NM_200782	kcnip3b	6.926887339	7.819664933	-0.892777593	0.030127
peak_43335	chr5	65114077	65114796	54060	Intergenic	NM_178287	sepw1	6.594114229	7.487505484	-0.893391255	0.030165
peak_40843	chr16	45735005	45736218	-870	promoter-TSS (NR_030047)	NR_030047		8.565541264	9.458972699	-0.893431435	0.020693
peak_41764	chr17	51886401	51887149	99000	Intergenic	NM_001006065	tssc1	7.650144733	8.544413105	-0.894268372	0.023845
peak_42967	chr18	5085857	5086862	81	promoter-TSS (NM_001171590)	NM_001171590	cplx3b	6.667703796	7.562344375	-0.89464058	0.028476
peak_43131	chr9	947614	948020	-11250	Intergenic	NM_001256639	sctr	6.075446821	6.970519272	-0.895072451	0.029142
peak_41441	chr5	1461317	1462340	25059	intron (NM_212768, intron 4 of 5)	NM_212768	mbd2	7.447787763	8.342874513	-0.895086749	0.022748
peak_42293	chr18	32915688	32916182	-18288	Intergenic	NM_200053_1	ssr3	6.605687106	7.50111702	-0.895429914	0.025622
peak_42735	chr16	53553628	53554313	26819	intron (NM_001003494, intron 3 of 5)	NM_001003494	ube2e2	7.636684381	8.532596347	-0.895911966	0.027413
peak_40578	chr6	59479131	59480364	28805	Intergenic	NM_001007215_1	gpr34a	7.581151919	8.477852426	-0.896700507	0.019895
peak_40996	chr3	55465008	55465743	-6537	Intergenic	NM_131189	dnmt1	6.881639614	7.77839892	-0.896759306	0.02127
peak_42739	chr17	18024893	18025614	77129	Intergenic	NM_001099260	bcl11ba	6.028630606	6.926093133	-0.897462526	0.027434
peak_42836	chr6	155587	156267	32375	Intergenic	NM_001291889	bglapl	6.24570415	7.143441003	-0.897736853	0.027826
peak_41598	chr25	35708361	35709179	-13222	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	7.375454047	8.273524034	-0.898069987	0.02331
peak_39550	chr24	448542	450980	-288	promoter-TSS (NM_001115059)	NM_001115059	tgfbr1b	10.54544917	11.443723	-0.898273826	0.016767
peak_38857	chr7	40221998	40223166	18680	Intergenic	NM_001020806	zgc:110699	9.530717837	10.42914772	-0.898429881	0.014907
peak_41583	chr18	10630498	10631863	-187734	Intergenic	NM_001045135	si:ch211-59c24.1	6.986835894	7.885784067	-0.898948173	0.023262
peak_41592	chr17	8518325	8519657	-235	promoter-TSS (NM_001195491)	NM_001195491	ctbp2a	7.484062278	8.383427903	-0.899365625	0.023291
peak_42652	chr13	25825732	25826256	-20801	exon (NM_181662, exon 3 of 20)	NM_001126397	LOC560826	7.131539295	8.030907141	-0.899367847	0.027064
peak_41310	chr21	4322717	4323419	4910	intron (NM_131441, intron 2 of 22)	NM_131441	notch1a	8.987103462	9.886509487	-0.899406024	0.022341
peak_43889	chr6	861845	862248	94935	Intergenic	NM_001245966	zeb2b	5.922181637	6.821764213	-0.899582576	0.032531
peak_42482	chr8	53138031	53138719	34142	Intergenic	NM_001123044	bin3	6.966370286	7.866058687	-0.899688401	0.026361
peak_41220	chr22	37776596	37777334	-130	promoter-TSS (NM_001034975)	NM_001034975	slit1b	7.079535366	7.979725343	-0.900189977	0.022082
peak_42966	chr2	42515996	42517752	-40523	Intergenic	NM_199851	gtpbp4	8.10119186	9.001451607	-0.900259747	0.028469
peak_40409	chr16	23151438	23152430	-29489	Intergenic	NM_001110396	snx10b	8.87508811	9.775937674	-0.900849564	0.019271
peak_42418	chr19	3697718	3698901	-11817	Intergenic	NM_001128332	si:ch211-80h18.1	7.381136343	8.282131378	-0.900995035	0.02611
peak_43625	chr24	41331010	41331611	-57284	Intergenic	NM_001045408_1	zgc:153659	5.745335402	6.64652308	-0.901187678	0.031343
peak_39570	chr13	49759587	49760450	-34165	Intergenic	NM_001003463	ntpcr	8.909312153	9.810726866	-0.901414713	0.016804
peak_41604	chr23	46007014	46007756	26165	intron (NM_130919_1, intron 3 of 3)	NM_001020679	prelid1b	8.534083162	9.435679483	-0.901596321	0.023319
peak_42068	chr20	4427925	4428882	171409	Intergenic	NM_001076758	zgc:154018	6.567158451	7.468790917	-0.901632466	0.024885
peak_42847	chr23	9875063	9875843	136	5' UTR (NM_001039171, exon 1 of 80)	NM_001039171	lama5	7.023888265	7.925758182	-0.901869917	0.027855
peak_43070	chr25	5564630	5565609	-28299	Intergenic	NM_001258409	cmasb	6.887222319	7.789682198	-0.902459879	0.028884
peak_41781	chr20	40036534	40037032	-222038	Intergenic	NM_001082853	rnf217	6.474793523	7.377785444	-0.902991921	0.023898
peak_41818	chr18	30315916	30316486	-69817	Intergenic	NM_001080807	gse1	7.567867394	8.471162737	-0.903295344	0.024007
peak_43381	chr10	2552398	2553639	-55899	Intergenic	NM_001008630	nxnl2	7.856185717	8.759588476	-0.903402759	0.030342
peak_40803	chr4	25643263	25644157	129435	Intergenic	NM_001002629	tnni1d	7.162778767	8.066614056	-0.903835289	0.020585
peak_40148	chr5	29169499	29170718	40	promoter-TSS (NM_205585)	NM_205585	sfrp1a	8.14669611	9.050592017	-0.903895907	0.018452
peak_41417	chr5	52657920	52658470	20724	TTS (NM_001079977)	NM_001126459	LOC796384	8.464355707	9.368460685	-0.904104978	0.022665
peak_41558	chr12	38166549	38167216	13062	Intergenic	NM_001003874_1	chmp6b	6.344197531	7.24831621	-0.904118679	0.023151
peak_42347	chr9	13329988	13330591	-66528	intron (NM_001039807, intron 3 of 12)	NM_001128362	si:dkey-56k23.2	6.754551452	7.659413609	-0.904862156	0.025812
peak_43449	chr24	29815355	29816241	-22	promoter-TSS (NM_001083844)	NM_001083844	col11a1a	7.357964521	8.263056532	-0.905092011	0.030605
peak_39380	chr22	17032059	17032972	51528	Intergenic	NM_001099263	tm2d1	8.848605897	9.753760514	-0.905154617	0.016275
peak_40044	chr4	16123460	16124547	77	promoter-TSS (NM_001033585)	NM_001033585	sox5	8.782738732	9.688161826	-0.905423094	0.018141
peak_40318	chr23	2146030	2148088	-87937	Intergenic	NM_001002301	prdm5	9.712171199	10.61893667	-0.906765466	0.018989

peak_42437	chr18	28659576	28660239	32995	intron (NM_131515, intron 2 of 15)	NM_131515	spon1a	6.336024431	7.243005138	-0.906980707	0.026186
peak_40934	chr5	60857797	60858716	-48130	Intergenic	NM_001020466	nup88	8.976688113	9.884039298	-0.907351185	0.021084
peak_41398	chr3	61278673	61279127	-26	promoter-TSS (NM_001076706)	NM_001076706	foxj1a	6.871889552	7.779511657	-0.907622106	0.022621
peak_41882	chr15	1384391	1385956	-7874	Intergenic	NM_001017906	schip1	8.135605697	9.043360462	-0.907754765	0.024264
peak_43593	chr18	25393049	25394090	63993	Intergenic	NM_001103120	pex11a	7.797765221	8.705948154	-0.908182933	0.031176
peak_43968	chr13	53995177	53996358	-51208	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	7.104400228	8.012711476	-0.908311248	0.032783
peak_42410	chr21	25233104	25233949	-51512	Intergenic	NM_001040381	wbscr27	8.905506453	9.815331073	-0.90982462	0.026082
peak_43979	chr23	15677947	15678476	-236999	Intergenic	NM_001003833	sulf2b	6.060332693	6.970756748	-0.910424056	0.032851
peak_43611	chr24	28403093	28403609	-15390	Intergenic	NM_131095	ek1	5.873026345	6.783640707	-0.910614363	0.03127
peak_42188	chr11	4021003	4022031	-121	promoter-TSS (NM_001002297)	NM_001002297	gnl3	7.824940295	8.735569739	-0.910629445	0.025284
peak_41924	chr17	32948605	32949109	36340	Intergenic	NM_001013550	smyd2a	6.863784128	7.77477309	-0.910988962	0.024413
peak_42074	chr20	47198610	47199159	103007	Intergenic	NM_001018134	dnmt3aa	7.265877638	8.176888183	-0.911010545	0.024921
peak_41070	chr19	15297852	15298627	-10794	Intergenic	NM_001044982	cited4a	8.145605066	9.056653836	-0.91104877	0.021595
peak_39629	chr12	32712490	32713419	77334	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	7.805081329	8.716382491	-0.911301162	0.01695
peak_42327	chr8	45664991	45666000	-48283	Intergenic	NM_001007032	ncor2	8.406249705	9.31804093	-0.911791225	0.025736
peak_40250	chr7	56041089	56042390	28189	intron (NM_001077575, intron 11 of 12)	NM_001077575	trip4	9.285973691	10.19807291	-0.912099219	0.018771
peak_43408	chr7	32850582	32851222	-74966	Intergenic	NM_001199362	cilp	6.765932941	7.678331534	-0.912398593	0.030441
peak_43748	chr2	29421905	29422781	-3259	Intergenic	NM_207641	ptf1a	6.142171338	7.055217535	-0.913046197	0.031963
peak_42702	chr24	5003310	5004155	49720	Intergenic	NM_130933	zic1	6.402673422	7.315884797	-0.913211374	0.027293
peak_39413	chr8	473604	479263	1142	exon (NM_213528, exon 2 of 13)	NM_213528	trim36	10.16000751	11.0735242	-0.913516687	0.016344
peak_42674	chr2	33105930	33106480	5576	intron (NM_001030073, intron 1 of 12)	NM_001030073	slc6a9	6.332482119	7.246040479	-0.913558361	0.027185
peak_43044	chr18	49657446	49657948	15699	Intergenic	NM_001001729	rap2b	6.297609065	7.212121138	-0.914512073	0.028809
peak_41304	chr14	27712987	27714302	273	exon (NM_131041, exon 2 of 2)	NM_131041	neurog1	8.116137691	9.031074455	-0.914936764	0.022322
peak_41144	chr16	57560500	57562059	58386	intron (NM_001039925, intron 11 of 11)	NM_001128260	zgc:172096	8.065946592	8.980943893	-0.914997301	0.02181
peak_41349	chr15	24548811	24550003	-42507	intron (NM_001003611, intron 8 of 9)	NM_001007458	vps53	7.760450308	8.675730864	-0.915280556	0.02247
peak_42148	chr5	31087985	31088631	38427	intron (NM_001114548, intron 3 of 47)	NM_001114548	cacna1ba	5.83877329	6.754202063	-0.915428773	0.025162
peak_41776	chr3	3865300	3865763	81335	Intergenic	NM_001114556	zgc:171446	6.758821157	7.674470935	-0.915649778	0.023875
peak_41245	chr1	47877059	47877480	-11308	Intergenic	NM_001005604	bcl9	6.489347537	7.405064401	-0.915716864	0.022166
peak_43922	chr20	17256291	17256830	-309499	Intergenic	NM_001002589	zgc:92716	6.133097272	7.049638163	-0.916540891	0.032631
peak_39044	chr2	1185056	1186929	66269	Intergenic	NM_001126425	si:ch211-241e1.5	8.113665274	9.030746576	-0.917081302	0.015382
peak_43826	chr24	38873870	38874536	22711	Intergenic	NM_001002057	gnptg	7.514504598	8.431750301	-0.917245703	0.032282
peak_42077	chr2	29599802	29600714	37928	Intergenic	NM_001005929	paxip1	6.895577624	7.813006589	-0.917428966	0.024925
peak_43519	chr20	1666055	1667555	-102218	Intergenic	NM_001278799	lama2	7.319578149	8.237587871	-0.918009722	0.030841
peak_42875	chr19	50244911	50246331	-45815	Intergenic	NM_001033754	zgc:114119	8.421927028	9.34012177	-0.918194742	0.028035
peak_42689	chr6	31388013	31388637	328084	Intergenic	NM_131073	jak1	7.7257964	8.644656307	-0.918859907	0.027241
peak_40682	chr8	49087011	49087771	-4993	Intergenic	NM_001123245	LOC559147	6.780628893	7.699516124	-0.918887231	0.020196
peak_41902	chr5	68913249	68913930	-21359	Intergenic	NM_001002088	tmem8c	7.637788731	8.556839248	-0.919050517	0.024328
peak_40218	chr8	15034503	15035285	-33511	intron (NM_001128364, intron 10 of 11)	NM_001122973	lhx4	7.071356193	7.990424575	-0.919068382	0.01866
peak_39520	chr24	40489092	40489883	-59010	Intergenic	NM_212748	rpn2	7.394956494	8.314311072	-0.919354578	0.01668
peak_39909	chr22	762736	764137	-6290	intron (NM_131792, intron 1 of 14)	NM_130922	btg2	9.254357196	10.17372321	-0.919366011	0.017727
peak_42707	chr14	52455816	52456793	77995	intron (NM_001077724, intron 11 of 12)	NM_001077724	zgc:154054	5.495710279	6.415691069	-0.91998079	0.027314
peak_41571	chr25	35165340	35166733	36856	Intergenic	NM_131285	foxb1a	7.457849204	8.378406467	-0.920557263	0.023191
peak_42890	chr17	44445343	44446249	41500	Intergenic	NM_001113796	exoc5	7.636138337	8.556720398	-0.920582061	0.02809
peak_43159	chr20	26585568	26586148	-5041	Intergenic	NM_001025555	si:dkey-25e12.3	5.521363052	6.442197794	-0.920834742	0.02933
peak_41614	chr14	8049748	8051079	262	intron (NM_001002626, intron 1 of 5)	NM_001002626	zgc:92242	8.584258561	9.505185267	-0.920926706	0.023358
peak_40406	chr24	17782499	17783274	-23026	Intergenic	NM_001008734	commd3	8.56326272	9.484245953	-0.920983233	0.019257
peak_41266	chr1	55448243	55448952	-2317	Intergenic	NM_001017566	golga7ba	7.220214263	8.141575028	-0.921360765	0.022229
peak_43224	chr19	514548	514977	-72806	Intergenic	NM_200674	dus3l	5.420010088	6.341467282	-0.921457195	0.029626
peak_39587	chr14	40714480	40715181	-187270	Intergenic	NM_131782	glra4a	6.885932463	7.807560273	-0.921627809	0.016844
peak_38446	chr5	68744097	68745603	26598	intron (NM_131302, intron 2 of 33)	NM_131302	notch1b	9.83030162	10.75220666	-0.921905041	0.013877
peak_42133	chr16	30806444	30807548	405	intron (NM_001199754, intron 1 of 11)	NM_001199754	nmt2	7.59501096	8.517344614	-0.922333654	0.025119
peak_42105	chr3	41911053	41911482	-1014	Intergenic	NM_130971	lfng	6.11604458	7.03930995	-0.92326537	0.025016
peak_41688	chr16	3166294	3166913	-2263	Intergenic	NM_001002638	preb	6.406566135	7.329900303	-0.923334168	0.023593
peak_39190	chr24	22510460	22511613	10338	Intergenic	NM_001114462	c1qtnf9	8.095169771	9.018716449	-0.923546679	0.015794
peak_42472	chr4	3159065	3160208	64825	Intergenic	NM_213306	pik3cg	8.171435412	9.095344183	-0.923908771	0.026324
peak_42879	chr24	21839504	21840530	27380	intron (NM_001005393, intron 3 of 18)	NM_001005393	boc	6.193364869	7.117734904	-0.924370035	0.028051
peak_42738	chr6	261823	263802	18313	intron (NM_214746, intron 1 of 10)	NM_214746	rbfox2	8.762071713	9.686917872	-0.924846159	0.027425
peak_41819	chr12	38277059	38278497	47816	Intergenic	NM_001113644_1	zgc:172101	7.888445302	8.813388207	-0.924942905	0.024013
peak_39684	chr7	35202288	35204034	92900	Intergenic	NM_001130652	skor1a	8.28177231	9.206952167	-0.925179858	0.01709
peak_42303	chr7	70618716	70619386	-187956	Intergenic	NM_199682	ap1g1	5.821336886	6.746658552	-0.925321666	0.025643
peak_41792	chr7	16667203	16667781	30752	Intergenic	NM_131641	pax6b	6.917631793	7.843223013	-0.92559122	0.023945
peak_40342	chr21	41419587	41421937	106	exon (NM_001020512, exon 1 of 14)	NM_001020512	dpysl3	9.280697809	10.20634293	-0.925645126	0.019051
peak_43847	chr11	27245489	27246047	-51229	Intergenic	NM_001045240	ppcs	6.251775772	7.177517726	-0.925741955	0.032361
peak_38365	chr2	26326344	26328246	29	promoter-TSS (NM_001171028)	NM_001171028	lppr3a	9.239844465	10.16566893	-0.925824464	0.013697
peak_42517	chr1	859903	860500	83950	Intergenic	NM_001080690	creg1	7.31542705	8.241445541	-0.926018491	0.026482
peak_43920	chr6	6495775	6496410	-83202	Intergenic	NM_001014319	zgc:113227	6.140925638	7.067511889	-0.926586251	0.032626
peak_42572	chr7	38783801	38784192	14559	Intergenic	NM_001146014	sall1a	5.764518104	6.691195432	-0.926677328	0.026729
peak_41535	chr18	36851633	36852163	93570	Intergenic	NM_001089357	alx4b	6.873963876	7.801197056	-0.92723318	0.023044
peak_39046	chr10	10843066	10843688	-13545	Intergenic	NM_181495	nrarpa	8.734612637	9.661964146	-0.927351509	0.015387
peak_41315	chr13	36927129	36928723	-78	promoter-TSS (NM_001122751)	NM_001122751	pacs2	8.379494522	9.306935622	-0.927441101	0.02235
peak_39663	chr3	29248416	29249096	144362	Intergenic	NM_212894	lgals2a	7.731923217	8.659389059	-0.927465841	0.017018
peak_43176	chr23	43546097	43546564	-76760	Intergenic	NM_001004647	tgm2a	6.3587528	7.286583211	-0.927830412	0.029428
peak_43634	chr20	22466044	22466433	4679	Intergenic	NM_001025512	gsx2	5.736678709	6.664626849	-0.927948141	0.03139
peak_40004	chr15	23997181	23998394	206	5' UTR (NM_212805, exon 2 of 11)	NM_212805	smtnl	7.264599707	8.193245573	-0.928645866	0.018041
peak_41863	chr1	39855276	39855783	-51207	Intergenic	NM_130968	tenm3	6.546802824	7.47560264	-0.928799817	0.024173
peak_42792	chr15	28098429	28099505	-72429	Intergenic	NM_200018	blmh	7.100089214	8.028889154	-0.92879994	0.027668
peak_43415	chr7	70051206	70051735	-126877	Intergenic	NM_205546	hnf4b	6.518967649	7.447959943	-0.928992293	0.030486
peak_42750	chr19	47353441	47355156	194546	intron (NM_001177934, intron 5 of 7)	NM_001177934	trps1	7.327965562	8.257062283	-0.929096722	0.027476
peak_41675	chr16	804652	805262	-15684	Intergenic	NM_207184	irx1a	6.221696597	7.150844275	-0.929147678	0.023551
peak_40835	chr12	23311470	23313097	272574	Intergenic	NM_001020680	mrpl27	7.663665903	8.592879716	-0.929213813	0.020664
peak_43985	chr22	528240	528901	4499	intron (NM_201106, intron 4 of 6)	NM_201106	bysl	5.252657886	6.18207151	-0.929413624	0.032883
peak_42210	chr1	13068396	13068858	50194	intron (NM_001002542, intron 13 of 18)	NM_001002542	camk2d2	6.531156699	7.460707767	-0.929551067	0.025358
peak_42562	chr15	19081811	19082427	4687	exon (NM_001083838, exon 2 of 30)	NM_001083838	med13b	6.484430647	7.414515126	-0.930084479	0.026702
peak_43310	chr16	53207748	53208239	156551	Intergenic	NM_200970	rab5ab	5.193665276	6.12383343	-0.930168154	0.030068
peak_37586	chr14	1758727	1760239	27739	Intergenic	NM_001024185	pcdh2g13	8.834725664	9.765181266	-0.930455602	0.011823
peak_43109	chr19	30791406	30792177	-109558	Intergenic	NM_214707	zdhhc18b	6.220812539	7.151302189	-0.930489651	0.029049
peak_41665	chr13	49536334	49536826	-133983	Intergenic	NM_182860	msh6	7.207460206	8.138013248	-0.930553042	0.023491
peak_43113	chr16	12569012	12569897	24539	Intergenic	NM_131602	dedd1	6.560651624	7.49130261	-0.930650986	0.02906
peak_43902	chr6	28170685	28171169	162932	intron (NM_201198, intron 3 of 10)	NM_201198	lpp	6.024901573	6.955597173	-0.9306956	0.032574
peak_39009	chr25	8326233	8327482	18	promoter-TSS (NM_001195197)	NM_001195197	kcnc1b	7.397965446	8.328664487	-0.930699041	0.015293
peak_42780	chr17	37868375	37869430	55751	Intergenic	NM_001076673	tmem229b	7.549732464	8.480443037	-0.930710573	0.027618
peak_40925	chr7	58183353	58183796	-85012	Intergenic	NM_001077165	senp8	6.621219673	7.552016642	-0.930796968	0.021058
peak_41019	chr19	39973433	39973893	2707	intron (NM_212579, intron 2 of 35)	NM_212579	col9a2	6.264162353	7.195276848	-0.931114495	0.021371
peak_42684	chr2	31751535	31751900	17561	Intergenic	NM_200172	mycb	5.298167948	6.229346861	-0.931178913	0.02723
peak_40589	chr7	55924848	55925532	-14473	intron (NM_001077575, intron 12 of 12)	NM_001128270	LOC796180	7.628923693	8.560314276	-0.931390583	0.019912
peak_41585	chr11	22016642	22017291	34311	intron (NM_201303, intron 1 of 9)	NM_201303	mapkapk2a	6.719416572	7.650812156	-0.931395584	0.023269
peak_43052	chr20	36557428	36557921	84247	intron (NM_001013521, intron 2 of 12)	NM_001013521	enah	5.555972225	6.488090372	-0.932118147	0.028847
peak_40339	chr9	30915899	30916561	-102088	intron (NM_001077576, intron 3 of 13)	NM_001006048	cmss1	7.114934725	8.047476463	-0.932541738	0.019043
peak_43487	chr4	7322732	7324230	-99365	Intergenic	NM_001030152	si:ch211-240l19.1	7.455839599	8.38850425	-0.932664651	0.030747
peak_41485	chr10	5237240	5238033	-110	promoter-TSS (NM_001020471)	NM_001020471	sptlc1	7.321908045	8.254574035	-0.93266599	0.022856
peak_43789	chr24	43767798	43768954	-2470	Intergenic	NM_001001838	top1mt	6.644080257	7.576778272	-0.932698014	0.032152
peak_42737	chr5	8114211	8114801	-7117	Intergenic	NM_001017576	lmbrd2a	6.074468411	7.00753313	-0.933064719	0.027423
peak_42057	chr1	51207175	51208363	61270	Intergenic	NM_001145624	herc3	7.020146937	7.953566171	-0.933419234	0.024845
peak_43120	chr11	19825227	19825856	-29072	Intergenic	NM_183343	prickle2	6.352562267	7.286279333	-0.933717066	0.029112
peak_42301	chr15	13231870	13232941	89118	Intergenic	NM_199847	fxyd6	6.872077254	7.806282821	-0.934205566	0.025641

peak_38550	chr23	41716704	41718170	138603	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	9.345957421	10.28021757	-0.934260148	0.014105
peak_40025	chr13	33505320	33506123	24	promoter-TSS (NM_001145573)	NM_001145573	ccdc28b	8.132857742	9.06728136	-0.934423618	0.018087
peak_42295	chr4	607814	608519	-1762	Intergenic	NM_001114983	sobpb	6.289745497	7.224495214	-0.934749717	0.025629
peak_39447	chr1	6743983	6744689	10145	Intergenic	NM_001013498	eng1b	6.890768508	7.825858849	-0.935090341	0.016419
peak_40395	chr5	70386805	70387379	-43	promoter-TSS (NM_131418)	NM_131418	coe2	6.278144245	7.213356399	-0.935212154	0.019217
peak_41051	chr10	15883016	15883892	-137	promoter-TSS (NM_001201570)	NM_001201570	tjp2a	7.411094398	8.346354218	-0.93525982	0.021502
peak_41952	chr16	52691710	52692798	358377	Intergenic	NM_001201489	efhb	6.885374666	7.82077032	-0.935395655	0.02452
peak_42524	chr11	35412425	35412950	-2958	Intergenic	NM_001037377	pfkfb4	6.419753304	7.355558735	-0.935805431	0.02652
peak_38415	chr13	5199718	5201279	45448	intron (NM_131893, intron 8 of 12)	NM_131893	meis1	8.452266088	9.388159337	-0.935893249	0.01382
peak_39966	chr20	32351050	32352190	19997	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	8.73853895	9.674618689	-0.936079739	0.017936
peak_37422	chr18	11595565	11596879	-101	promoter-TSS (NM_001177933)	NM_001177933	fgd4a	10.1616987	11.09807862	-0.936379921	0.011492
peak_43267	chr20	52831257	52831627	-2287	Intergenic	NM_001003528	zgc:100864	5.279010388	6.215827464	-0.936817076	0.029835
peak_38008	chr1	55212729	55214335	-3051	Intergenic	NM_001145704	LOC100002676	8.091134762	9.027976226	-0.936841464	0.012771
peak_43171	chr24	40357570	40359382	-27986	Intergenic	NM_130992	nog2	6.913432374	7.850320566	-0.936888192	0.029398
peak_43677	chr24	42152138	42152753	99882	Intergenic	NM_001020507	smyhc1	6.27672709	7.213635484	-0.936908394	0.031599
peak_40850	chr5	23790084	23790819	20235	Intergenic	NM_001126376	asb12a	7.048735907	7.985842805	-0.937106899	0.020722
peak_41691	chr7	15349286	15350201	-21754	Intergenic	NR_029921		6.923982777	7.861276974	-0.937294198	0.0236
peak_40856	chr10	45521661	45522195	-2136	Intergenic	NM_001003743	acads	6.269318729	7.206635843	-0.937317114	0.020744
peak_43727	chr10	12415541	12416174	-280630	Intergenic	NM_001004502	lpar1	5.525664779	6.463351136	-0.937686357	0.031864
peak_43446	chr24	17621299	17622184	3216	intron (NM_001128702, intron 1 of 9)	NM_001128702	pip4k2aa	7.036365579	7.974293631	-0.937928052	0.030596
peak_42956	chr11	42263120	42263601	-44713	Intergenic	NM_001083570	errfi1	5.236385727	6.174412231	-0.938026504	0.028397
peak_38692	chr5	75569643	75570845	-1954	Intergenic	NM_205634	zgc:77391	8.183772223	9.12183699	-0.938064767	0.01441
peak_44018	chr10	37679993	37680915	-2920	Intergenic	NM_001003880	uspl1	7.288480339	8.227331004	-0.938850665	0.033023
peak_42594	chr3	2516325	2516878	-35035	Intergenic	NM_131875	sox10	6.522798387	7.461913995	-0.939115608	0.026845
peak_42975	chr22	38602127	38602603	210720	Intergenic	NM_001113587	hykk.2	5.455603729	6.395356184	-0.939752455	0.028552
peak_41060	chr15	29127052	29127891	-17206	intron (NM_001076633, intron 10 of 10)	NR_030050		8.16416799	9.104444144	-0.940276154	0.021537
peak_43481	chr9	1520736	1521697	-32836	intron (NM_001017554_1, intron 16 of 16)	NM_001127404	si:ch211-222f23.1	6.178532351	7.118892561	-0.94036021	0.030722
peak_43587	chr23	10245166	10245762	-7967	Intergenic	NM_001111167	zgc:171775	6.363048386	7.30365553	-0.940607144	0.031157
peak_40135	chr19	26548499	26549845	92507	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	7.125068703	8.065704854	-0.940636151	0.01842
peak_43792	chr5	34259184	34259881	-136358	Intergenic	NM_212898	ntmt1	6.493515893	7.434532973	-0.941017081	0.03216
peak_41974	chr15	14107126	14107780	8594	Intergenic	NM_200661	trappc6bl	7.260143707	8.201437583	-0.941293877	0.024567
peak_39554	chr10	24339680	24340866	35	promoter-TSS (NM_200664)	NM_200664	cadm2a	7.849898574	8.791573916	-0.941675342	0.016773
peak_42872	chr25	1779252	1780395	70854	Intergenic	NM_131042_1	fbln1	7.035360294	7.977903114	-0.94254282	0.028018
peak_43638	chr9	53195226	53195885	-281904	Intergenic	NM_001076600	tank	7.229197849	8.172173896	-0.942976047	0.031399
peak_42160	chr18	42619447	42620153	-89598	Intergenic	NM_001081628	cdon	6.43103849	7.374199534	-0.943161044	0.025185
peak_40023	chr8	12837165	12837935	83059	Intergenic	NM_001128526	phf13	6.754551452	7.697775095	-0.943223643	0.018082
peak_42481	chr13	49725511	49726101	47	promoter-TSS (NM_001003463)	NM_001003463	ntpcr	6.212517803	7.15608743	-0.943569627	0.026359
peak_38553	chr2	30408044	30408852	126	5' UTR (NM_001193651, exon 1 of 22)	NM_001193651	ctnnd2b	7.356884122	8.300643854	-0.943759732	0.014113
peak_42174	chr20	2376994	2377969	118114	Intergenic	NM_001044800	tmem200a	6.972335667	7.916451113	-0.944115446	0.025246
peak_41229	chr14	53247835	53248704	-42202	Intergenic	NM_001020587		6.119861771	7.064007577	-0.944145806	0.02211
peak_42011	chr5	316427	317324	-66370	Intergenic	NM_214750	rnf170	6.878455564	7.822643479	-0.944187916	0.024724
peak_42800	chr5	7606921	7607414	-21442	Intergenic	NM_001018130	crybb3	5.421036764	6.365344151	-0.944307387	0.027687
peak_42082	chr21	33527642	33528165	96177	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	6.150569853	7.095634966	-0.945065113	0.024943
peak_40341	chr23	27481354	27482288	-88318	Intergenic	NM_001214908	wu:fc13c02	6.683643477	7.628849656	-0.945206178	0.019044
peak_38910	chr13	5164747	5166091	80527	Intergenic	NM_131893	meis1	6.977609365	7.922839819	-0.945230455	0.015001
peak_40093	chr2	51252583	51253137	19714	Intergenic	NM_131817	neurod6b	6.940596881	7.885929702	-0.94533282	0.0183
peak_39394	chr7	36248959	36250124	32	promoter-TSS (NM_199272)	NM_199272	esrp2	7.544089096	8.489569093	-0.945479997	0.0163
peak_39350	chr17	1058955	1060926	-30054	Intergenic	NM_001281801	akt1	9.723238966	10.66883135	-0.945592387	0.016193
peak_41862	chr20	34536001	34536845	132	5' UTR (NM_200050, exon 1 of 4)	NM_200050	prrx1b	6.921093522	7.867131261	-0.946037739	0.024169
peak_40393	chr11	36998073	36999659	-22426	Intergenic	NM_001287547	grm7	7.695814252	8.641956085	-0.946141833	0.019213
peak_38555	chr12	38519902	38520671	10459	intron (NM_001080568, intron 1 of 1)	NM_001080568	hs3st3b1b	7.253666726	8.199855378	-0.946188652	0.014116
peak_39026	chr21	40219238	40219804	15	promoter-TSS (NM_200873)	NM_200873	hmp19	7.691022094	8.637441048	-0.946418954	0.015328
peak_42864	chr18	4974158	4974863	-166	promoter-TSS (NM_131879)	NM_131879	cyp1a	7.565998668	8.512634048	-0.94663538	0.027951
peak_41977	chr13	45685117	45685507	-2105	Intergenic	NM_199715	chp1	5.298167948	6.244810367	-0.946642419	0.024574
peak_41296	chr6	50434912	50435552	32127	Intergenic	NM_001126109	mych	6.633021095	7.579793159	-0.946772064	0.022311
peak_42144	chr18	3963492	3964775	344868	Intergenic	NM_200555	pdcd10a	6.633046941	7.579943285	-0.946896345	0.025151
peak_44003	chr2	8066512	8067097	21222	intron (NM_001007436, intron 2 of 3)	NM_001007436	dia1a	7.189462662	8.136486103	-0.947023441	0.032958
peak_40654	chr9	3668015	3668930	-115	promoter-TSS (NM_180973)	NM_180973	sp5a	8.298792359	9.245867072	-0.947074713	0.020095
peak_41232	chr11	30310588	30311165	-136365	Intergenic	NM_001114908		6.43537851	7.382845655	-0.947467145	0.022121
peak_37887	chr7	21927010	21928559	20115	Intergenic	NM_001017684	cyb5d1	7.725576545	8.673426612	-0.947850067	0.012478
peak_41083	chr11	6901427	6902295	145	intron (NM_001017761, intron 1 of 4)	NM_001017761	rab3ab	7.195166374	8.143177652	-0.948011278	0.021654
peak_40914	chr11	37569642	37570265	-48449	Intergenic	NM_001005312	parapinopsinb	8.012509475	8.960663998	-0.948154523	0.020988
peak_41208	chr13	9825833	9827255	35	promoter-TSS (NM_131362)	NM_131362	six3a	7.552325315	8.500758464	-0.94843315	0.022036
peak_43393	chr8	423660	425962	-411	promoter-TSS (NM_001110405)	NM_001110405	prr16	9.115286932	10.06373659	-0.948449659	0.030385
peak_40611	chr14	22107191	22108758	252	intron (NM_194367, intron 1 of 8)	NM_194367	aldob	8.011988602	8.960709795	-0.948721194	0.019952
peak_41488	chr7	75603788	75604325	-118580	Intergenic	NM_001077468	mrpl21	6.979178573	7.928144013	-0.94896544	0.022872
peak_43088	chr18	18710847	18711338	49139	Intergenic	NM_200780	ppcdc	6.559006718	7.508162306	-0.949155588	0.028957
peak_39830	chr8	15689627	15690319	-10692	Intergenic	NM_001113620	bcar3	6.178835862	7.128380116	-0.949544254	0.017503
peak_37014	chr15	28075867	28076618	-49704	Intergenic	NM_200018	blmh	8.832020925	9.781860435	-0.949839511	0.010591
peak_42950	chr19	23514657	23515141	29368	Intergenic	NM_130987	gdf6b	6.543493098	7.493401092	-0.949907994	0.028367
peak_39676	chr6	59746793	59748351	21015	intron (NM_001002580_1, intron 1 of 3)	NM_001002580_1	pmepa1	8.525980432	9.475924785	-0.949944353	0.017054
peak_40915	chr13	14843421	14844133	6618	Intergenic	NM_131055	flh	5.810385827	6.760596405	-0.950210578	0.02099
peak_40764	chr20	3471332	3472151	93648	Intergenic	NM_001089520	zgc:162161	6.755964224	7.70625764	-0.950293416	0.020459
peak_43874	chr16	6205338	6205920	25024	intron (NM_200320, intron 4 of 13)	NM_200320	cog6	6.494721185	7.445318867	-0.950597682	0.032447
peak_40632	chr9	37202785	37203389	248498	Intergenic	NM_131690	atp1a1b	6.46884865	7.419836224	-0.950987574	0.020029
peak_41864	chr5	26677605	26678921	28126	Intergenic	NM_001123269	abo	7.703763928	8.654952538	-0.95118861	0.024173
peak_43165	chr18	37511397	37511683	6676	exon (NM_200746, exon 3 of 13)	NM_200746	gnb5b	5.013695992	5.965008913	-0.951312921	0.029363
peak_40746	chr21	37628524	37629419	29692	intron (NM_200427, intron 1 of 1)	NM_001025166	rbmx2	6.887604564	7.839201326	-0.951596762	0.020376
peak_39512	chr3	54205270	54205734	-8072	Intergenic	NM_131549	notch3	7.221393376	8.173134432	-0.951741056	0.016663
peak_38253	chr24	34815461	34816454	119197	Intergenic	NM_001008621	zgc:101800	7.584720091	8.536702138	-0.951982047	0.013399
peak_40125	chr15	20449631	20450445	40740	Intergenic	NR_030067		7.080185427	8.03230311	-0.952117683	0.018386
peak_39782	chr16	3948704	3949474	-63813	Intergenic	NM_001020660	cyb5r4	6.404750843	7.356987302	-0.952236459	0.017344
peak_40964	chr22	20680478	20681299	-19848	Intergenic	NM_001172683	tcf3b	6.71607446	7.668338658	-0.952264198	0.021155
peak_40536	chr23	36519629	36520048	15047	intron (NM_131664, intron 2 of 8)	NM_131664	lima1	5.952027388	6.904346934	-0.952319546	0.019748
peak_40184	chr6	1864367	1865573	-235	promoter-TSS (NM_001004109)	NM_001004109	quo	7.332610565	8.285078091	-0.952467525	0.018562
peak_42222	chr17	45905425	45906206	166	exon (NM_001102621, exon 1 of 16)	NM_001102621	aspg	7.175180632	8.128076581	-0.952895948	0.025397
peak_43816	chr7	55158551	55159130	52202	intron (NM_001008635, intron 4 of 11)	NM_001008635	csnk1g1	7.140449132	8.093380871	-0.952931739	0.032229
peak_43464	chr2	59651390	59653685	23518	intron (NM_212882_1, intron 7 of 9)	NM_200714	ndufa13	7.827168702	8.780239381	-0.953070679	0.030648
peak_41374	chr23	40726234	40727093	41653	Intergenic	NM_199972	elovl4b	7.483455289	8.436568606	-0.953113317	0.022556
peak_41084	chr17	1169111	1169777	-10893	TTS (NM_001281801)	NM_001002412	zfyve19	6.744093361	7.697495866	-0.953402505	0.021656
peak_39948	chr3	10298897	10299992	67468	intron (NR_105067, intron 4 of 5)	NM_199761	rnps1	6.797166497	7.750652403	-0.953485906	0.017887
peak_38721	chr24	13907063	13907809	78174	intron (NM_131193, intron 12 of 18)	NM_131193	eya1	8.396661286	9.350154959	-0.953493673	0.014507
peak_41549	chr13	53903881	53906168	11516	intron (NM_200631, intron 2 of 2)	NM_200631	srfb	7.949879383	8.903626525	-0.953747142	0.023109
peak_39978	chr25	35134695	35135724	67683	Intergenic	NM_131285	foxb1a	6.580584442	7.534443685	-0.953859243	0.017979
peak_42774	chr24	25395141	25395536	10065	intron (NM_001168263, intron 1 of 12)	NM_001168263	pde7a	5.205665308	6.159577327	-0.953912019	0.027598
peak_43065	chr14	46153077	46153710	-293533	Intergenic	NM_200975	gar1	5.732549633	6.686745105	-0.954195473	0.028875
peak_39843	chr22	1024123	1024879	-5059	Intergenic	NM_199966	camk1ga	7.460230614	8.414751997	-0.954521383	0.017546
peak_41463	chr7	76252160	76252702	-16405	Intergenic	NR_034276		6.977609365	7.932896379	-0.955287014	0.022822
peak_38678	chr25	30613978	30614793	-37658	Intergenic	NM_001034978	pim3	7.691447605	8.647138277	-0.955690671	0.014378
peak_38071	chr14	36124711	36126022	15806	Intergenic	NM_001007108	il12ba	8.404998959	9.360712505	-0.955713546	0.012932
peak_39336	chr1	6403789	6404875	5379	intron (NM_131808, intron 1 of 4)	NM_131808	efnb2b	6.388263664	7.344237455	-0.955973791	0.016152
peak_42200	chr9	12720475	12721145	84	promoter-TSS (NM_001020765)	NM_001020765	tmem41aa	7.231703847	8.187808901	-0.956105054	0.025321
peak_40736	chr6	56333618	56334646	214755	Intergenic	NM_001008576_1	tfap2c	6.676543094	7.632670167	-0.956127073	0.020341
peak_38059	chr5	34263926	34264502	-141040	Intergenic	NM_212898	ntmt1	8.067755234	9.023955684	-0.95620045	0.01291
peak_38171	chr15	4109832	4110858	-124203	Intergenic	NM_199855	rnf168	7.333164008	8.289593597	-0.956429588	0.013203

peak_37342	chr24	22106251	22107156	-15837	Intergenic	NM_194408	cdk8	7.812251295	8.768681619	-0.956430324	0.011299
peak_42004	chr12	442575	443334	69	promoter-TSS (NM_001081440)	NM_001081440	hs3st3l	6.263876274	7.220724584	-0.95684831	0.024702
peak_41767	chr2	33716642	33717312	-5838	Intergenic	NM_130988	ptch2	6.211907425	7.168832799	-0.956925374	0.023854
peak_41718	chr9	53822326	53823354	118771	Intergenic	NM_001030165	Mar-04	6.363582489	7.320971318	-0.957388828	0.023684
peak_39422	chr17	11168174	11168992	24788	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	6.888729047	7.846574661	-0.957845615	0.016373
peak_43744	chr17	53371879	53372450	24967	intron (NM_131896, intron 1 of 4)	NM_131896	meis2a	5.588830594	6.546763003	-0.957932409	0.03194
peak_43326	chr20	34562099	34562535	26026	Intergenic	NM_200050	prrx1b	5.641880334	6.599863507	-0.957983173	0.030125
peak_42143	chr24	43336667	43337610	82831	intron (NM_001018133, intron 2 of 9)	NM_001018133	ptprma	6.433853465	7.392151255	-0.95829779	0.025146
peak_39354	chr19	45030535	45031711	-277	promoter-TSS (NM_001082915)	NM_001082915	si:ch211-199g17.	8.142811937	9.101187604	-0.958375666	0.016202
peak_43558	chr9	1846506	1846888	-76969	Intergenic	NM_001017554_2		4.908295128	5.866694793	-0.958399665	0.031038
peak_39986	chr23	12120249	12121418	-120250	Intergenic	NM_001256764	ttll9	7.525910348	8.484330583	-0.958420235	0.017998
peak_40047	chr2	23324535	23325452	2392	intron (NM_001256203, intron 3 of 6)	NM_001256203	angptl4	8.628587194	9.587150164	-0.95856297	0.018145
peak_43082	chr21	5725618	5726082	-13018	Intergenic	NM_173233	rpl35	5.785420279	6.744099574	-0.958679295	0.028939
peak_43094	chr7	4377082	4377636	-80778	Intergenic	NM_200993	zgc:55733	6.136244659	7.095621349	-0.95937669	0.028988
peak_39568	chr15	3278185	3278959	83381	Intergenic	NM_001098750	stoml3a	7.35862666	8.318124159	-0.959497499	0.0168
peak_40658	chr22	26687438	26688491	-881	promoter-TSS (NM_194426)	NM_194426	pdgfaa	6.642113319	7.601865548	-0.959752229	0.020102
peak_40679	chr10	39685761	39686210	-76135	Intergenic	NM_001001886	usp25	6.251504061	7.211318158	-0.959814097	0.020187
peak_40182	chr3	61781309	61782103	-10069	Intergenic	NM_182937	pvalb8	7.241043983	8.200900036	-0.959856053	0.01856
peak_42463	chr23	17413110	17414235	21936	intron (NM_001080652, intron 1 of 7)	NM_001080652	zgc:158791	6.192463273	7.152740151	-0.960276879	0.026282
peak_39383	chr8	1745807	1746334	85267	Intergenic	NM_205739	dgcr6	7.155367892	8.115755516	-0.960387624	0.01628
peak_38288	chr5	34831907	34833426	493	intron (NM_001110226, intron 1 of 5)	NM_001110226	LOC100001344	7.580348006	8.540759097	-0.960411091	0.013486
peak_39076	chr11	35916246	35917055	23334	Intergenic	NM_001003538	chchd4	6.672022415	7.633090673	-0.961068258	0.015459
peak_40644	chr18	49618673	49619385	-22969	Intergenic	NM_001001729	rap2b	7.28959678	8.250713218	-0.961116437	0.020055
peak_42596	chr9	57324775	57325428	-63308	Intergenic	NM_001166337	nlgn4b	5.966887383	6.928101919	-0.961214536	0.026848
peak_37667	chr7	48298393	48299505	91876	Intergenic	NM_001195407	tshz3b	8.427515755	9.389115158	-0.961599404	0.011974
peak_42316	chr3	9105738	9106244	-11850	Intergenic	NM_131836_1	sim2	5.535206157	6.496834498	-0.96162834	0.025702
peak_39329	chr13	51899852	51900876	-73207	Intergenic	NM_001014817	dntt	7.304178533	8.267151463	-0.962972931	0.016131
peak_42401	chr2	32275572	32276087	16971	Intergenic	NM_213298	tmub1	5.669864721	6.63294795	-0.963083229	0.026039
peak_39541	chr8	16158234	16159251	-336263	intron (NM_001017754, intron 4 of 4)	NM_001017814	spata6	7.854750661	8.817885073	-0.963134412	0.016743
peak_39881	chr11	19034124	19034986	-56934	Intergenic	NM_001079955	dido1	7.541488272	8.504744792	-0.96325652	0.017642
peak_41353	chr15	43949704	43950260	53716	Intergenic	NR_023326		6.379545134	7.342808884	-0.96326375	0.022498
peak_42237	chr11	24610196	24610798	-122495	Intergenic	NM_001145767	nfasca	6.473076569	7.436401552	-0.963324983	0.025424
peak_38797	chr23	31201230	31202503	104201	Intergenic	NM_001012252	zgc:198371	7.822508536	8.785977679	-0.963469143	0.014763
peak_39873	chr11	33654821	33655619	-119719	Intergenic	NM_001160822	pcdh17	6.69645654	7.659955843	-0.963499303	0.017622
peak_43475	chr23	19693364	19693665	-159430	Intergenic	NM_001201403	si:ch211-222g5.3	4.786638878	5.750259989	-0.963621111	0.030698
peak_42261	chr2	17595871	17596830	3431	intron (NM_001083576, intron 1 of 32)	NM_001083576	ptprfb	7.065604012	8.029657922	-0.96405391	0.025499
peak_40490	chr17	26752870	26753782	14941	intron (NM_001005392, intron 3 of 5)	NM_001005392	rcan3	7.223013084	8.187226862	-0.964213778	0.019566
peak_39856	chr11	18133335	18134023	79837	intron (NM_001077273, intron 4 of 5)	NM_001077273	fam19a4b	6.465106108	7.429422847	-0.964316739	0.01757
peak_43828	chr16	57725950	57726562	-9530	Intergenic	NM_001003988	xrcc1	5.076443574	6.040788417	-0.964344843	0.032295
peak_38463	chr5	73226405	73227052	-66962	Intergenic	NM_001003629	rgs3a	7.738744829	8.703271981	-0.964527153	0.013916
peak_41010	chr15	45190614	45191395	114003	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	6.222580114	7.18767625	-0.965096136	0.02135
peak_39655	chr2	29703363	29704800	6796	intron (NM_001039497, intron 3 of 5)	NM_001039497	cnpy1	8.515063111	9.480369125	-0.965306013	0.017006
peak_40367	chr3	20410669	20411274	296174	Intergenic	NM_201130	spop	6.665960091	7.63131435	-0.965354259	0.019127
peak_40961	chr11	118921	120113	573	intron (NM_001281478, intron 2 of 44)	NM_001281478	col2a1b	5.705344933	6.670965794	-0.965620861	0.021153
peak_39992	chr14	49773800	49774551	-5669	Intergenic	NM_131314	ldb2a	6.559006718	7.524767743	-0.965761025	0.018009
peak_41413	chr9	3009097	3009634	-118634	Intergenic	NM_001017574	cdca7a	6.96865408	7.934848734	-0.966194653	0.022655
peak_42814	chr6	14849517	14850374	-65	promoter-TSS (NM_131102)	NM_201447	pou3f3b	8.221700894	9.188835143	-0.96713425	0.027754
peak_38725	chr5	36918315	36919899	-36702	Intergenic	NM_001017612	ptcd2	7.86981224	8.837246085	-0.967433844	0.014525
peak_38420	chr21	6542100	6544099	-165105	Intergenic	NM_001003486	olfm1b	7.736787797	8.704240553	-0.967452756	0.013836
peak_43055	chr20	49523694	49524458	-101529	Intergenic	NM_001014329	naa20	7.612119881	8.579660274	-0.967540393	0.02885
peak_37081	chr18	5561846	5563429	-3171	Intergenic	NM_001110450	wash	8.054297843	9.022033329	-0.967735486	0.010735
peak_43261	chr16	52318487	52318975	271103	Intergenic	NM_001110524	brd2b	6.104550673	7.072542796	-0.967992123	0.029802
peak_38966	chr21	6735896	6737508	28498	intron (NM_001003486, intron 1 of 3)	NM_001003486	olfm1b	7.915699786	8.883791052	-0.968091265	0.015175
peak_38145	chr1	40808277	40809399	-146498	Intergenic	NM_001077559	scoca	9.367840171	10.33606558	-0.968225406	0.013118
peak_44014	chr9	656836	657421	-40363	Intergenic	NM_212594_1	ybey	4.924355407	5.892821362	-0.968465955	0.033018
peak_43516	chr16	1303278	1303634	226562	Intergenic	NM_178222	sim1a	4.682359636	5.650858182	-0.968498545	0.030833
peak_37644	chr18	12464135	12464780	135229	Intergenic	NM_001075112	tmem5	7.313493302	8.282024295	-0.968530993	0.011933
peak_37769	chr11	5019777	5020463	-195444	Intergenic	NM_001077310		7.81626768	8.784848414	-0.968580735	0.012207
peak_41230	chr15	42209568	42210228	29384	intron (NM_212939, intron 10 of 19)	NM_212939	zgc:85932	6.776623881	7.745207399	-0.968583518	0.022119
peak_42552	chr17	33987348	33988205	-68263	Intergenic	NM_001003442	dnal1	6.777213648	7.745925714	-0.968712066	0.026673
peak_43924	chr15	37616893	37617307	112182	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	5.092035467	6.060792452	-0.968756986	0.032635
peak_43554	chr13	17226509	17226920	286621	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	5.76409001	6.732848954	-0.968758945	0.031021
peak_40958	chr24	24353024	24353610	15178	Intergenic	NM_001002202	ppp1r42	7.233741789	8.202542296	-0.968800506	0.021142
peak_43631	chr20	26650622	26651021	2755	intron (NM_200604, intron 1 of 27)	NM_200604	exoc2	5.481973078	6.450810167	-0.968837088	0.031374
peak_41502	chr4	19200679	19202040	-29765	Intergenic	NM_200982	stk38l	7.714609849	8.683978752	-0.969368903	0.022925
peak_41685	chr16	31432438	31432926	-11780	Intergenic	NR_029995		5.876772819	6.846334525	-0.969561706	0.023588
peak_43226	chr16	567303	568019	2473	exon (NM_201057, exon 3 of 6)	NM_201057	irx2a	6.363315463	7.333049205	-0.969733742	0.029652
peak_42853	chr5	6510362	6510876	-1831	Intergenic	NM_001013333	zgc:110796	6.548696564	7.518589842	-0.969893278	0.02791
peak_40946	chr1	13227822	13228582	-4942	Intergenic	NM_001020725	crmp1	6.815665201	7.785582928	-0.969917727	0.021107
peak_40349	chr12	29106103	29107640	-387	promoter-TSS (NM_131425)	NM_131425	etv4	8.84793805	9.817877692	-0.969939641	0.019072
peak_38447	chr6	15661748	15662721	-241	promoter-TSS (NM_001098731)	NM_001098731	iqca1	7.559945923	8.530294795	-0.970348872	0.013878
peak_43488	chr25	5759979	5760526	-82201	Intergenic	NM_001197316	plxnb2b	5.466583986	6.437043964	-0.970459978	0.030747
peak_43624	chr24	9026621	9027019	67828	Intergenic	NM_199567	tgif1	5.637911999	6.608436564	-0.970524565	0.031337
peak_40553	chr8	9311243	9311782	67594	Intergenic	NM_001004671	uxt	5.547508126	6.518342553	-0.970834427	0.019811
peak_40333	chr16	6507999	6509203	13740	Intergenic	NM_001020563	echdc1	7.626471521	8.59738865	-0.970917129	0.019023
peak_40205	chr18	17594123	17594945	-65521	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	7.9452482	8.916439038	-0.971190838	0.018619
peak_41411	chr11	40904505	40905390	-468385	Intergenic	NM_001040387	wnt4a	6.372382244	7.343797397	-0.971415153	0.02265
peak_42284	chr11	37829409	37830033	-25763	Intergenic	NM_203484	cacna1da	6.449312835	7.420938817	-0.971625981	0.025593
peak_42736	chr25	4481245	4481649	-169892	Intergenic	NM_131786	cry3	5.573649529	6.545520901	-0.971871372	0.027415
peak_40673	chr11	9752469	9753104	285128	intron (NM_001142265, intron 3 of 5)	NM_001142265	nlgn1	6.138118873	7.110334467	-0.972215594	0.020173
peak_40229	chr20	54003657	54004406	20860	Intergenic	NM_001045314	slc25a47a	5.926164383	6.898395859	-0.972231476	0.018705
peak_39210	chr13	35693885	35694564	-101	promoter-TSS (NM_200411)	NM_200411	slx4ip	7.398870056	8.371160044	-0.972289988	0.015854
peak_41641	chr17	5563728	5564702	-70207	Intergenic	NM_001012257	xkr6	7.107442047	8.079760868	-0.97231882	0.023418
peak_37373	chr23	2529150	2529718	-2434	Intergenic	NM_130989	snai1b	7.070047793	8.042422702	-0.972374909	0.01138
peak_37946	chr16	54161842	54163626	199012	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	8.276656195	9.24922191	-0.972565714	0.012605
peak_41769	chr20	10282508	10283413	22854	Intergenic	NM_130910	meis2b	7.649037024	8.621802787	-0.972765763	0.023855
peak_41466	chr24	30020350	30021377	163102	Intergenic	NM_001039930	rnpc3	6.074142127	7.047056112	-0.972913985	0.022825
peak_37877	chr18	30239057	30239830	-146575	Intergenic	NM_001080807	gse1	8.568961029	9.542377405	-0.973416376	0.012467
peak_38394	chr14	25209392	25210113	-5030	Intergenic	NM_001014827	stc2a	7.254098871	8.227551153	-0.973452283	0.013773
peak_39761	chr12	36612692	36613827	-181347	Intergenic	NM_001256248	tbccl	8.034684823	9.00823706	-0.973552237	0.017273
peak_41074	chr4	58314874	58315437	10590	TTS (NM_001113632)	NM_001113632	zgc:175107	5.962310563	6.935886336	-0.973575773	0.02161
peak_37646	chr19	20687013	20687748	3759	intron (NM_131491, intron 2 of 14)	NM_131491	igf2bp3	8.62919811	9.602818885	-0.973620775	0.011936
peak_38560	chr25	6059537	6060225	-6434	Intergenic	NM_001128075	appl2	7.552573219	8.5263994	-0.97382618	0.01412
peak_43073	chr6	10778713	10780034	1402	Intergenic	NR_030002		7.224354104	8.198189802	-0.973835699	0.028905
peak_38486	chr2	1821717	1822494	0	promoter-TSS (NM_001024422)	NM_001024422	zgc:112335	7.911956565	8.885917153	-0.973960588	0.013958
peak_39674	chr3	23697691	23699103	54798	Intergenic	NM_205716	casc3	7.711139414	8.685342198	-0.974202784	0.017052
peak_41578	chr14	1836725	1837160	-49720	Intergenic	NM_001024200_1	pcdh2g28	5.640117977	6.614505069	-0.974387093	0.023243
peak_43071	chr3	8345023	8345808	45615	Intergenic	NM_201111	hook2	6.538048028	7.512491007	-0.974442979	0.028888
peak_36988	chr14	32772950	32775220	-41498	Intergenic	NM_212598	rbmx	8.202222461	9.176685227	-0.974462765	0.010552
peak_41090	chr9	38172571	38173035	-21342	Intergenic	NM_130967	gli2a	5.5810438	6.555555186	-0.974511386	0.02167
peak_43390	chr11	5936654	5937078	21742	exon (NM_001173504, exon 8 of 12)	NM_001173504	dazap1	5.543271134	6.51841963	-0.975148496	0.030373
peak_37333	chr10	627571	629296	448	intron (NM_001080048, intron 1 of 16)	NM_001080048	rfx3	9.846982055	10.82217522	-0.975193169	0.011283
peak_36924	chr20	22004344	22005434	-22686	Intergenic	NM_001030136	daam1b	8.396327449	9.371746831	-0.975419382	0.010396
peak_41895	chr16	26350624	26351644	23675	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	7.322893654	8.298620307	-0.975726654	0.024303
peak_43268	chr18	23571037	23571680	87707	Intergenic	NM_131183	nr2f2	5.239298899	6.215033969	-0.97573507	0.029838

peak_41308	chr1	25242068	25242537	38560	Intergenic	NM_205662	ppa2	5.747383201	6.7232154	-0.975832199	0.022335
peak_39997	chr10	27857454	27858154	126191	Intergenic	NM_152948	cxadr	6.5945693	7.570429568	-0.975860268	0.01802
peak_42525	chr5	133317	134193	-34777	Intergenic	NM_001034985	dcc	6.341473034	7.317422702	-0.975949668	0.02653
peak_38327	chr15	29042530	29043229	-34592	Intergenic	NM_001076633	zgc:153372	7.409680304	8.3859658	-0.976285496	0.013592
peak_39023	chr13	13228047	13228852	-72822	Intergenic	NM_131606	fgfr3	6.617852683	7.594188232	-0.976335549	0.015323
peak_40027	chr10	42949993	42950811	-135469	Intergenic	NM_001002414	cabp1b	6.573432156	7.549985093	-0.976552937	0.018096
peak_42357	chr1	42196382	42197230	3480	intron (NM_001007352, intron 1 of 5)	NM_001007352	rnf24	5.909780019	6.88647453	-0.976694511	0.025866
peak_43187	chr6	47655130	47655442	-131816	Intergenic	NM_200112	padi2	5.043412202	6.020331553	-0.976919351	0.029461
peak_43453	chr8	13867181	13867967	14256	Intergenic	NM_200565	ccdc124	5.709972576	6.686938355	-0.976965779	0.030611
peak_41111	chr21	16030409	16031361	-23173	Intergenic	NM_131758	stom	6.357160165	7.334163255	-0.97700309	0.021736
peak_42046	chr21	5436515	5437406	3104	TTS (NM_001002069_1)	NM_001002069_1	rpl37	5.363331042	6.340433944	-0.977102902	0.024806
peak_40263	chr6	59126080	59126937	32277	intron (NM_001123374, intron 6 of 11)	NM_001123374	shmt2	5.971470171	6.949176831	-0.977706659	0.018808
peak_43097	chr10	34915937	34916399	114306	Intergenic	NM_001199367	zar1l	6.550808663	7.528822467	-0.978013804	0.028992
peak_37760	chr13	51009225	51009848	166243	Intergenic	NM_001040376	pkz	7.739356285	8.717797531	-0.978441246	0.01218
peak_43031	chr23	13539861	13541071	-175742	Intergenic	NR_030650		6.495724492	7.474229385	-0.978504893	0.028762
peak_42427	chr9	11604150	11604535	-51749	Intergenic	NM_130980	wnt10a	5.645398603	6.623906068	-0.978507465	0.026129
peak_37004	chr23	2302674	2303772	-132107	Intergenic	NM_131230	tcp1	8.607332756	9.586111136	-0.97877838	0.010572
peak_43896	chr1	40800966	40801495	145016	Intergenic	NM_200023	zgc:56493	5.378768137	6.35763381	-0.978865673	0.032551
peak_43468	chr16	32569970	32570380	99683	intron (NM_001199365, intron 14 of 18)	NM_001199365	sema6e	5.179139309	6.158050031	-0.978910722	0.030659
peak_39963	chr10	9047149	9048363	-10935	Intergenic	NM_001109831	fstb	8.286568196	9.265661883	-0.979093687	0.017932
peak_39262	chr19	36236757	36237824	53510	Intergenic	NM_001044925	elp2	7.101031722	8.080152016	-0.979120295	0.016005
peak_42778	chr9	57149424	57150152	-15077	Intergenic	NM_001082994	tbl1x	5.970418617	6.949548634	-0.979130017	0.027608
peak_38155	chr18	19783082	19783859	26972	Intergenic	NM_001045133	skor1b	7.327418106	8.306570862	-0.979152756	0.013147
peak_43093	chr7	10195682	10196163	89066	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	6.072163809	7.051550161	-0.979386352	0.028986
peak_38273	chr3	35587521	35588042	-28592	Intergenic	NR_023338		7.111282037	8.09091732	-0.979635283	0.013445
peak_39858	chr11	22482279	22483029	63096	Intergenic	NM_001013545	zgc:101564	6.301811675	7.281779517	-0.979967842	0.017573
peak_39065	chr9	2128666	2129182	117143	Intergenic	NM_199480	lnpa	6.845884872	7.826103161	-0.980218289	0.015428
peak_42187	chr15	3034771	3035463	13239	intron (NM_001110347, intron 12 of 12)	NM_001110347	lrig3	7.312802049	8.293186403	-0.980384355	0.025283
peak_40028	chr4	145687	146440	44428	Intergenic	NM_201060	rpl18a	5.976387689	6.957248613	-0.980860924	0.018097
peak_42636	chr18	3428669	3429296	843405	Intergenic	NM_001045470	fam168a	5.835289348	6.816817854	-0.981528506	0.026999
peak_42513	chr24	14350397	14350836	-4921	Intergenic	NM_001163831	prdm14	5.616956974	6.59855559	-0.981598615	0.026469
peak_43550	chr10	40163502	40163950	47785	intron (NM_001030224, intron 3 of 32)	NM_001030224	dscama	5.326451567	6.308080511	-0.981628944	0.031015
peak_42242	chr7	12979349	12979827	-94995	Intergenic	NM_001080993	mex3b	5.252657886	6.234569963	-0.981912077	0.025443
peak_38484	chr18	16124726	16125622	219200	Intergenic	NM_001045074	alx1	6.35446006	7.3365262	-0.982066139	0.013952
peak_43502	chr12	38551958	38552348	42326	Intergenic	NM_001080568	hs3st3b1b	4.889089251	5.871205669	-0.982116418	0.030783
peak_43121	chr23	38301708	38302536	49182	Intergenic	NM_001020707	zgc:112994	6.84280121	7.824939137	-0.982137927	0.029113
peak_37915	chr13	36232879	36233762	-24742	Intergenic	NM_001145575	kcnk1b	8.13851358	9.120722163	-0.982208584	0.012553
peak_38585	chr6	6177331	6178003	-2328	Intergenic	NM_001079912	rtn4a	6.200574869	7.182837953	-0.982263084	0.014183
peak_42107	chr22	2340408	2340819	64	promoter-TSS (NM_200598)	NM_200598	irf6	5.891683782	6.874293279	-0.982609497	0.025019
peak_43002	chr2	54155322	54156194	-43065	Intergenic	NM_205587	im:7138239	6.149331387	7.132194711	-0.982863324	0.028648
peak_37735	chr23	29268504	29269160	-217460	Intergenic	NM_001002631	dffa	7.140934726	8.123811244	-0.982876519	0.012118
peak_37904	chr22	21927596	21928203	-12381	Intergenic	NM_001130604	tle2	7.469469052	8.452607338	-0.983138286	0.012526
peak_41838	chr7	9661629	9662198	26186	intron (NM_194409, intron 2 of 2)	NM_194409	vax2	6.747587821	7.731402922	-0.9838151	0.024079
peak_36941	chr15	1391078	1393395	-811	promoter-TSS (NM_001017906)	NM_001017906	schip1	10.13666413	11.12074641	-0.984082284	0.010431
peak_40212	chr6	32459606	32460135	-58908	Intergenic	NM_001082940	mafa	7.431173318	8.415520095	-0.984346776	0.018638
peak_43905	chr14	41089898	41090351	-562564	Intergenic	NM_131782	glra4a	5.664214276	6.648599166	-0.984384891	0.032579
peak_43904	chr4	25391467	25392028	-122528	Intergenic	NM_001002629	tnni1d	5.495710279	6.480130339	-0.98442006	0.032578
peak_37622	chr25	17018746	17019673	-27485	Intergenic	NM_001033717	cecr1a	7.500581858	8.485208458	-0.9846266	0.011883
peak_40136	chr19	5853036	5854328	24901	intron (NM_131523, intron 1 of 9)	NM_131523	stx1b	8.309605884	9.294822085	-0.985216202	0.018421
peak_39954	chr13	50147306	50148217	68	promoter-TSS (NM_001030104)	NM_001030104	tsnax	7.944802109	8.930277953	-0.985475844	0.017905
peak_37097	chr2	54978795	54979805	286	promoter-TSS (NM_001020630)	NM_001002469_1	napg	7.572501692	8.558023371	-0.985521678	0.01077
peak_38062	chr7	27193219	27195109	-2578	Intergenic	NR_030005		7.924898338	8.910426511	-0.985528173	0.012913
peak_38246	chr22	19881849	19882666	10513	Intergenic	NM_001105607	LOC100006793	7.469096843	8.45478618	-0.985689337	0.013381
peak_41828	chr18	49250557	49250986	117684	Intergenic	NM_001079949	si:dkey-105e17.1	5.161397164	6.147093413	-0.985696249	0.024035
peak_41015	chr9	44447114	44448576	-161745	intron (NM_212793, intron 2 of 8)	NM_182881	sestd1	7.324120999	8.309926827	-0.985805828	0.021364
peak_37626	chr25	2069444	2069948	-100236	Intergenic	NM_001102567	pparab	7.576436904	8.562244567	-0.985807664	0.011891
peak_43167	chr13	33622149	33623388	-78	promoter-TSS (NM_001114925)	NM_001114925	btbd6a	7.599899049	8.585814929	-0.98591588	0.029367
peak_43400	chr8	39490997	39491858	-12205	Intergenic	NM_001166140	nkx6.3	6.154623552	7.140607383	-0.985983831	0.030415
peak_43242	chr2	29557219	29557746	80704	Intergenic	NM_001005929	paxip1	5.804890439	6.791059136	-0.986168697	0.029706
peak_40792	chr7	31288020	31289148	-173	promoter-TSS (NM_131105)	NM_131105	tpma	6.520165848	7.506378152	-0.986212304	0.020557
peak_36389	chr3	12826838	12828249	14266	exon (NM_001289885, exon 6 of 6)	NM_001289885	glis2b	9.140893508	10.12711893	-0.986225418	0.009301
peak_42587	chr1	32748495	32748928	270319	Intergenic	NM_001145576	gyg2	4.790616223	5.776885476	-0.986269253	0.026809
peak_43421	chr3	63172608	63173722	11287	Intergenic	NM_131644	sox9b	5.889481821	6.876028031	-0.98654621	0.030518
peak_42840	chr5	2608812	2609178	-87795	Intergenic	NM_213058	hspa5	5.067909549	6.054470269	-0.98656072	0.027835
peak_40688	chr7	8087185	8087908	138854	Intergenic	NM_001007772	zgc:101810	5.83877329	6.825355488	-0.986582199	0.020201
peak_40743	chr24	40326466	40328440	3037	Intergenic	NM_130992	nog2	8.637632794	9.624249121	-0.986616328	0.020367
peak_41751	chr15	7149244	7151504	35509	Intergenic	NM_001017901	her13	5.160782694	6.147414499	-0.986631805	0.023815
peak_40232	chr15	22976646	22977199	22436	Intergenic	NM_001105683	ckmb	6.558553896	7.545644975	-0.987091079	0.018709
peak_37961	chr22	18957606	18960371	11607	intron (NM_207052, intron 6 of 6)	NM_207052	midn	8.699688813	9.686888325	-0.987199512	0.012661
peak_37412	chr24	22016846	22017424	-65092	Intergenic	NM_001008636	spice1	6.884444523	7.871885178	-0.987440656	0.011469
peak_43210	chr11	45637184	45637762	11822	Intergenic	NM_200298	map1lc3c	6.0201667	7.007761289	-0.987594589	0.029573
peak_40441	chr14	25214405	25215266	53	promoter-TSS (NM_001014827)	NM_001014827	stc2a	6.84569373	7.833291949	-0.987598219	0.01937
peak_39042	chr11	37803548	37804465	-48	promoter-TSS (NM_203484)	NM_203484	cacna1da	7.366923931	8.354611885	-0.987687954	0.015372
peak_43280	chr7	14311509	14312308	-6824	Intergenic	NM_212923	arih1l	5.791830443	6.779556954	-0.98772651	0.02988
peak_43803	chr7	77042048	77042573	-4259	Intergenic	NM_199961	zgc:64190	4.849893014	5.837682747	-0.987789733	0.032206
peak_37452	chr16	56635719	56636358	-16330	Intergenic	NM_001083010	zgc:158766	6.70174651	7.689552038	-0.987805528	0.01156
peak_38688	chr8	52991154	52991803	-1208	Intergenic	NM_001002647	egr3	7.848176602	8.836111478	-0.987934875	0.014403
peak_38028	chr4	6799919	6800824	31131	intron (NM_001201357, intron 5 of 16)	NM_001030108	elk3	7.853627097	8.841633462	-0.988006365	0.012828
peak_43374	chr2	35392019	35392512	-56601	Intergenic	NM_001020770	ankrd45	5.718790515	6.706841433	-0.988050917	0.030317
peak_39597	chr25	19629125	19629542	-2892	Intergenic	NM_001079677	abhd2b	5.686207737	6.674370132	-0.988162396	0.016867
peak_37612	chr5	71974579	71975377	35338	Intergenic	NM_001105699	zgc:171967	7.837043589	8.825372183	-0.988328594	0.011872
peak_41717	chr11	489090	489363	-3985	Intergenic	NM_001199755	raf1b	4.906097005	5.894719615	-0.98862261	0.023683
peak_42235	chr7	47852344	47852745	222951	Intergenic	NM_130995	ccne1	5.351501375	6.340316987	-0.988815612	0.02542
peak_41906	chr15	46297981	46298888	-26895	Intergenic	NM_001039832_1	lsamp	6.231402722	7.220260033	-0.988857311	0.024357
peak_42093	chr6	3393388	3393993	-12587	Intergenic	NM_001017625	dmbx1b	6.298463604	7.287516516	-0.989052912	0.024969
peak_41568	chr20	36586436	36586995	55206	intron (NM_001013521, intron 1 of 12)	NM_001013521	enah	5.655055289	6.644111662	-0.989056374	0.023183
peak_40356	chr18	43461289	43461845	-109138	Intergenic	NM_001025169	pex16	6.286650927	7.275831106	-0.989180178	0.019096
peak_43403	chr13	1623536	1623976	-100187	Intergenic	NM_001110400_1	hmgcll1	5.426670464	6.415866357	-0.989195893	0.03042
peak_41935	chr25	2758766	2759324	-96144	Intergenic	NM_001079965	adpgk	5.586087111	6.57532518	-0.98923807	0.024459
peak_37992	chr21	3668496	3670865	19689	intron (NM_175082, intron 3 of 3)	NM_175082	smad7	9.880986889	10.87074636	-0.989759475	0.012727
peak_39357	chr25	16430459	16430999	-6508	Intergenic	NM_213508	far1	6.510041771	7.499986278	-0.989944507	0.01621
peak_40223	chr16	47185959	47186530	51496	Intergenic	NM_001123063	dpys	5.8009293	6.790994676	-0.990065376	0.018675
peak_37755	chr6	29442107	29442995	21632	Intergenic	NM_001002681	phb2b	7.933224036	8.923324318	-0.990100282	0.012171
peak_37914	chr24	33050277	33051613	328249	Intergenic	NM_001018143	trdmt1	7.538646278	8.528965583	-0.990319304	0.012551
peak_40466	chr12	39765786	39766401	324557	Intergenic	NM_001110169	zgc:171957	6.016755299	7.00761409	-0.990858791	0.019476
peak_40427	chr1	13117782	13119007	427	intron (NM_001002542, intron 1 of 18)	NM_001002542	camk2d2	6.912144452	7.903175499	-0.991031047	0.019338
peak_39799	chr20	48378606	48379362	5473	intron (NM_001024665, intron 6 of 6)	NM_001024665	tfap2b	7.638015939	8.629048969	-0.991033031	0.017393
peak_42869	chr4	107599	108452	6390	intron (NM_201060, intron 4 of 4)	NM_201060	rpl18a	5.937709354	6.928774027	-0.991064673	0.028003
peak_39259	chr3	48999474	49000325	-381631	Intergenic	NM_001110108	fn3krp	6.566926569	7.557993583	-0.991067014	0.015995
peak_36394	chr2	50092064	50092877	54	promoter-TSS (NM_198808)	NM_198808	stap2a	7.947932239	8.939052805	-0.991120566	0.009312
peak_42597	chr2	56593097	56593649	-31560	Intergenic	NM_001037113	uba52	5.283533241	6.274825893	-0.991292652	0.026853
peak_41104	chr6	54555193	54555640	23738	intron (NM_001109724, intron 2 of 12)	NM_001109724	tead3b	6.703025532	7.694794176	-0.991768644	0.021721
peak_40399	chr6	29432925	29433619	12353	Intergenic	NM_001002681	phb2b	7.703453673	8.69553961	-0.992085937	0.019231
peak_39970	chr16	42680543	42681134	-29125	Intergenic	NM_200216	trmt11	5.557840361	6.550178961	-0.992338601	0.017947
peak_39704	chr23	23135053	23135801	184740	Intergenic	NM_212722	eno1a	7.460230614	8.45323808	-0.993007467	0.017149

peak_41007	chr24	36022162	36023029	2785	intron (NM_131456, intron 1 of 17)	NM_131456	ctnna1	5.78624054	6.779299109	-0.99305857	0.021306
peak_43850	chr25	23214730	23215251	-95662	Intergenic	NM_001045312	stra6	4.617404898	5.610745811	-0.993340913	0.032368
peak_37797	chr9	57866517	57867816	91736	intron (NM_200682_1, intron 2 of 4)	NM_001040052	rpl31	8.473498782	9.466981444	-0.993482662	0.012278
peak_39964	chr6	47404406	47405645	-3891	Intergenic	NR_030036		6.993255365	7.986757033	-0.993501668	0.017935
peak_41971	chr8	13619173	13619996	-4423	Intergenic	NM_001024386	itgb4	6.345820302	7.339364794	-0.993544492	0.024556
peak_43163	chr16	38828790	38829380	-375640	Intergenic	NM_001200061	LOC100005807	6.271044506	7.264968365	-0.993923858	0.029346
peak_38034	chr1	19691420	19692835	455	intron (NM_214810, intron 1 of 10)	NM_214810	cpe	7.775609181	8.769559645	-0.993950464	0.012848
peak_38065	chr18	25847652	25848403	16204	intron (NM_199792, intron 1 of 5)	NM_199792	znf710a	7.597397001	8.5915509	-0.994153899	0.012916
peak_41423	chr2	45497304	45497807	68429	Intergenic	NM_200438	gpsm2	5.482464927	6.476643801	-0.994178874	0.022687
peak_40180	chr15	42529892	42530944	-42101	Intergenic	NM_131013	tyr	6.242786959	7.237096809	-0.99430985	0.018557
peak_35892	chr11	35852294	35853535	-15	promoter-TSS (NM_001098765)	NM_001098765	slc38a3a	9.411457123	10.40594659	-0.994489471	0.008348
peak_42730	chr14	7117850	7118447	46808	Intergenic	NM_001077568	ctsf	5.780652226	6.775439689	-0.994787464	0.027407
peak_42454	chr2	37069317	37070073	52716	Intergenic	NM_131855	prkci	6.535429367	7.530278627	-0.99484926	0.02624
peak_37758	chr14	48077965	48078565	67030	Intergenic	NM_001080662	shisa3	9.004934787	9.999785798	-0.99485101	0.012177
peak_40480	chr19	1302394	1302774	56794	Intergenic	NM_001113601	scrt1a	5.531883551	6.526788707	-0.994905156	0.019523
peak_40405	chr16	52768033	52768811	282209	Intergenic	NM_001201489	efhb	6.749644348	7.744686011	-0.995041663	0.01925
peak_39315	chr2	38402856	38403794	22405	Intergenic	NM_001245990	gig2q	6.398754977	7.394056124	-0.995301148	0.016108
peak_38385	chr4	55431505	55432609	-181895	Intergenic	NM_001111199	zgc:173710	6.897802576	7.893154611	-0.995352035	0.013754
peak_43881	chr10	4806281	4806871	-72088	intron (NM_001204256, intron 5 of 6)	NM_001204200	akap2	5.953447267	6.949001137	-0.99555387	0.032494
peak_38809	chr12	44252835	44254552	28945	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	7.717224185	8.712809949	-0.995585764	0.014794
peak_40110	chr24	17786699	17787458	-18834	Intergenic	NM_001008734	commd3	6.819380126	7.815196875	-0.995816749	0.018343
peak_40280	chr3	33556685	33557097	-86	promoter-TSS (NM_001002753)	NM_001002753	ccdc103	5.147161509	6.143003201	-0.995841693	0.018885
peak_43654	chr3	19703247	19703868	83422	Intergenic	NM_001045364	rnd2	6.650028891	7.64647573	-0.996446838	0.031487
peak_40999	chr7	28512744	28513754	96833	intron (NM_001123009, intron 6 of 14)	NM_001123009	sox6	7.260708926	8.257221339	-0.996512413	0.021284
peak_42640	chr9	39740674	39741430	3872	intron (NM_212968, intron 1 of 12)	NM_212968	heg	6.045077971	7.041826733	-0.996748762	0.027007
peak_43046	chr8	19139890	19140258	22	promoter-TSS (NM_001128540)	NM_001128540	si:ch211-232d19.	5.076443574	6.07321221	-0.996768636	0.028818
peak_35621	chr20	53592644	53593444	9025	intron (NM_131236, intron 1 of 5)	NM_131236	gata4	8.026851596	9.023652961	-0.996801365	0.007878
peak_38377	chr25	2248013	2248425	18130	Intergenic	NM_212792_1	cdkn1bb	6.064299967	7.061106197	-0.99680623	0.013743
peak_40235	chr5	8773963	8774865	68430	Intergenic	NM_131457	bmpr1ba	6.837993579	7.834953156	-0.996959578	0.018724
peak_37533	chr12	3327172	3327794	51593	Intergenic	NM_001030265	ubtd1b	6.802308892	7.799678247	-0.997369355	0.011735
peak_42653	chr19	49210219	49210673	5106	intron (NM_001033586, intron 4 of 9)	NM_001033586	tpmt.2	5.65287205	6.65033227	-0.99746022	0.027068
peak_40559	chr4	24880555	24881261	3053	intron (NM_001044813, intron 1 of 3)	NM_001044813	tmcc3	6.310441227	7.308008827	-0.9975676	0.019822
peak_42744	chr14	50112684	50112943	137708	intron (NM_001031842, intron 5 of 16)	NM_001031842	fstl5	4.749428098	5.747165557	-0.997737459	0.027462
peak_36366	chr17	49837948	49839124	-68742	Intergenic	NM_001278851	shroom3	8.791567917	9.789333446	-0.997765529	0.009255
peak_40507	chr11	39910692	39911785	35769	Intergenic	NM_200531_1	mfsd4a	7.522087876	8.519878045	-0.997790169	0.019627
peak_41189	chr20	7495170	7495442	-7049	Intergenic	NM_001256637	dsg2	4.979178573	5.977189115	-0.998010542	0.021975
peak_41449	chr3	59213500	59214338	-110143	Intergenic	NM_001122620	zgc:171489	6.958956757	7.957157626	-0.998200869	0.022775
peak_39403	chr12	50147069	50148486	-19468	Intergenic	NM_001015064_1	ctbp2l	6.950240199	7.948583998	-0.998343798	0.016322
peak_37831	chr13	23893375	23894098	46500	Intergenic	NM_001045279	crfb9	6.850845695	7.849192568	-0.998346874	0.012352
peak_40874	chr7	42961530	42962373	-651688	Intergenic	NM_131063	shha	5.824466719	6.822821857	-0.998355138	0.020797
peak_43250	chr7	12925675	12926189	-41339	Intergenic	NM_001080993	mex3b	5.677187751	6.675729631	-0.99854188	0.02977
peak_39404	chr19	30148645	30149149	110914	Intergenic	NM_001102573	ctgfb	6.341488851	7.340081789	-0.998592938	0.016324
peak_43843	chr11	22701632	22701957	-42159	Intergenic	NM_001199491	foxp4	5.2704584	6.269063906	-0.998605506	0.032347
peak_41333	chr11	36035269	36035691	23285	Intergenic	NM_001098770	mon1a	5.406566135	6.405239541	-0.998673405	0.022409
peak_43016	chr4	3488271	3489192	162161	Intergenic	NM_200436	znf800b	5.852200594	6.85105397	-0.998853375	0.028693
peak_39689	chr22	4284120	4284812	-9	promoter-TSS (NM_153670)	NM_153670	cers4a	6.199976864	7.198954463	-0.998977598	0.017116
peak_42490	chr25	7768424	7768957	31352	Intergenic	NM_001177312	ifitm5	5.217566349	6.216624653	-0.999058304	0.02638
peak_39276	chr15	10542096	10543040	8003	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	6.289464446	7.288830771	-0.999366325	0.016021
peak_43622	chr13	53227262	53228174	-72779	Intergenic	NM_200969	sncb	5.76409001	6.763548768	-0.999458759	0.031331
peak_38604	chr23	44113878	44115555	65053	Intergenic	NM_213374	zgc:56304	8.931373609	9.931172095	-0.999798486	0.014233
peak_39484	chr5	54814474	54815089	2014	intron (NM_213514, intron 1 of 11)	NM_213514	serinc5	6.074468411	7.074356763	-0.999888352	0.016572
peak_37290	chr23	29910394	29910894	-30	promoter-TSS (NM_001077784)	NM_001077784	clstn1	7.008221228	8.008146965	-0.999925736	0.011203
peak_42519	chr8	13623021	13624073	-460	promoter-TSS (NM_001024386)	NM_001024386	itgb4	7.044069021	8.044118453	-1.000049432	0.0265
peak_43168	chr17	3819731	3820868	36977	intron (NM_001020655, intron 9 of 9)	NM_001083542	hao1	6.559006718	7.559785647	-1.000778929	0.029375
peak_39603	chr3	56481893	56482542	52442	intron (NM_001099249_1, intron 2 of 2)	NM_001099249_1	zgc:165627	6.433584295	7.434594732	-1.001010437	0.016884
peak_42634	chr18	41714736	41715194	-2144	Intergenic	NM_001167569_1	pvrl1b	5.356876298	6.358013709	-1.001137411	0.026991
peak_41023	chr18	49836725	49838016	-1673	Intergenic	NM_001040336	st7	6.215183623	7.216975874	-1.001792251	0.021393
peak_41273	chr12	28765952	28768740	16520	intron (NM_001080011, intron 11 of 13)	NM_131376	psme3	7.965677113	8.967481234	-1.00180412	0.022251
peak_43855	chr24	40681075	40681364	-53065	Intergenic	NM_205554	atp6v0cb	4.94738232	5.949220046	-1.001837725	0.032374
peak_41979	chr15	12926941	12927785	10812	intron (NM_001077629, intron 1 of 5)	NM_001077629	scn2b	6.08099759	7.082939152	-1.001941562	0.024585
peak_43563	chr6	28134174	28134591	126387	intron (NM_201198, intron 2 of 10)	NM_201198	lpp	5.325903537	6.327897943	-1.001994406	0.03106
peak_39373	chr4	19813404	19813942	64986	intron (NM_001045143, intron 4 of 36)	NM_001045143	nav3	6.870574948	7.872971365	-1.002396418	0.016263
peak_41192	chr11	37467962	37468388	-150227	Intergenic	NM_001005312	parapinopsinb	5.130902821	6.133408664	-1.002505843	0.021982
peak_41891	chr3	22376996	22377406	64462	Intergenic	NM_001025183	myl4	5.51461782	6.517239011	-1.002621191	0.024296
peak_43844	chr14	52789169	52789443	157062	Intergenic	NM_001110028	zgc:171797	4.684926177	5.688082592	-1.003156416	0.03235
peak_40142	chr16	57477093	57477743	-34686	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	5.460105758	6.46335145	-1.003245692	0.018436
peak_42619	chr17	27293347	27293818	35	promoter-TSS (NM_001033095)	NM_001033095	vgll2b	5.381407785	6.384701941	-1.003294156	0.026932
peak_41978	chr21	25230648	25231592	-49106	Intergenic	NM_001040381	wbscr27	7.166321388	8.169647019	-1.003325631	0.024574
peak_36876	chr18	19478045	19479533	49857	intron (NM_001045051, intron 3 of 3)	NM_001045051	LOC564395	8.348532675	9.352061977	-1.003529303	0.010305
peak_41096	chr15	39237211	39237544	46085	intron (NM_001077577, intron 1 of 2)	NM_001077577	fat3a	4.998605159	6.002627282	-1.004022124	0.021696
peak_36331	chr7	76334253	76335150	65865	Intergenic	NR_034276		7.593645734	8.597850624	-1.00420489	0.009193
peak_36368	chr5	33538100	33539384	-25843	Intergenic	NM_001089443	tmem119b	7.616166236	8.620432909	-1.004266673	0.009261
peak_35780	chr7	32578103	32579103	-130326	Intergenic	NM_001089326	ctdspl2b	7.853330816	8.857664584	-1.004333768	0.00817
peak_37209	chr20	2406175	2407504	147472	Intergenic	NM_001044800	tmem200a	9.59795436	10.60238717	-1.004432805	0.011021
peak_41940	chr6	57491501	57492276	-2892	Intergenic	NM_001287095	itch	6.820559039	7.825270963	-1.004711924	0.024482
peak_43338	chr11	12414610	12416235	-44565	Intergenic	NM_001099982_1	sp2	4.979875451	5.984709831	-1.00483438	0.030179
peak_38186	chr9	54745189	54746199	26	promoter-TSS (NM_001288817)	NM_001288817	trpm2	8.788374514	9.793259875	-1.004885361	0.013239
peak_40476	chr3	49602479	49602870	-31025	Intergenic	NM_212985	metrnl	5.484921659	6.489884626	-1.004962967	0.019512
peak_40144	chr6	59561197	59561521	2360	intron (NM_130941, intron 3 of 17)	NM_130941	pl10	5.298726614	6.30383557	-1.005108956	0.018443
peak_36548	chr7	76595406	76597727	674	intron (NM_001290417, intron 1 of 5)	NM_001290417	znf219	9.261370659	10.26664496	-1.005274301	0.009644
peak_43137	chr11	16695373	16695860	94016	intron (NM_001030143, intron 9 of 9)	NM_001030143	slc25a26	5.70702943	6.712426711	-1.005397281	0.029208
peak_41795	chr9	51239409	51240034	-74229	Intergenic	NM_001017644	slc38a11	6.952027388	7.95756097	-1.005533582	0.023947
peak_40543	chr1	52012918	52013562	25249	intron (NM_131897, intron 8 of 12)	NM_131897	meis4.1a	7.16599737	8.171531298	-1.005533929	0.019763
peak_41115	chr18	49006674	49007240	-749	promoter-TSS (NM_001043325)	NM_001043325	loxl1	5.545155778	6.550694925	-1.005539147	0.021744
peak_36837	chr16	25525754	25526846	4181	intron (NM_200783, intron 1 of 4)	NM_200783	efna1b	7.966897636	8.972870516	-1.00597288	0.010203
peak_37126	chr2	56348866	56350497	-3378	Intergenic	NM_001020526	pgpep1	8.987544245	9.993696092	-1.006151847	0.010828
peak_43686	chr16	32945776	32946235	38019	Intergenic	NM_001013340	fam210a	5.092035467	6.098285353	-1.006249887	0.031654
peak_37984	chr7	10276009	10276580	169438	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	6.684712472	7.691383766	-1.006671293	0.012716
peak_36632	chr14	2030273	2031549	-68694	Intergenic	NM_001111171	etf1a	6.84338688	7.85024673	-1.00685985	0.009805
peak_38568	chr20	45292	46618	-8333	Intergenic	NM_001114452	zgc:174972	6.732756367	7.739890672	-1.007134305	0.01414
peak_42207	chr17	42206810	42207738	5615	Intergenic	NM_001111166	zgc:171531	6.31571114	7.322863734	-1.007152595	0.025349
peak_39164	chr17	19530666	19531120	70468	intron (NM_001002541, intron 3 of 17)	NM_001002541	rgs7	6.103272047	7.11047143	-1.007199383	0.015716
peak_39171	chr16	4712437	4713030	70468	Intergenic	NM_131408	vegfaa	5.484921659	6.492578573	-1.007656914	0.015761
peak_36272	chr16	45353233	45354106	-58783	Intergenic	NM_131506	tbx20	8.082940189	9.090669133	-1.007728945	0.009064
peak_38566	chr11	46296457	46299644	7110	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	9.918214752	10.92599446	-1.007779711	0.014136
peak_41990	chr9	48234912	48235289	-343987	Intergenic	NM_001126463	igfbp5a	5.354728731	6.362522903	-1.007794172	0.024635
peak_43674	chr6	817940	818386	138818	Intergenic	NM_001245966	zeb2b	5.388773208	6.396819566	-1.008046358	0.03158
peak_42467	chr2	22269246	22269986	3026	intron (NM_001110014, intron 3 of 13)	NM_001110014	aire	6.358248174	7.366373805	-1.008125631	0.026296
peak_40643	chr24	43076019	43077729	-12645	Intergenic	NM_200379_1	xylb	7.796276601	8.804995847	-1.008719246	0.020048
peak_38889	chr3	17003646	17004811	-176991	Intergenic	NM_001077392	hcrt	8.691923055	9.700727583	-1.008804528	0.014963
peak_36429	chr20	43376009	43378068	-33804	Intergenic	NM_001044916	unc93a	9.410649749	10.41947755	-1.008827797	0.009401
peak_35887	chr5	39935431	39936631	49181	Intergenic	NM_001089579	mink1	8.319165182	9.328141653	-1.008976471	0.008341
peak_41089	chr15	34933261	34933887	-267360	Intergenic	NM_001017614	rhbdd1	5.731722398	6.740835237	-1.009112839	0.021669
peak_42983	chr5	38049875	38050332	10535	intron (NM_001115065, intron 1 of 7)	NM_001115065	eda	5.317074445	6.326192428	-1.009117983	0.028572
peak_42860	chr16	53289466	53290141	-237348	Intergenic	NM_001003494	ube2e2	5.654618905	6.664011286	-1.009392381	0.027933

peak_38473	chr23	540776	541273	21134	Intergenic	NM_001159933	samhd1	6.064299967	7.073745548	-1.009445582	0.01393
peak_40855	chr9	39659280	39659843	-17258	intron (NM_001014346, intron 8 of 13)	NM_001080180	znf148	6.773601085	7.783056421	-1.009455336	0.02074
peak_43152	chr1	34098332	34099118	-15422	Intergenic	NM_001045444	lmo7b	6.362529673	7.371987953	-1.009458279	0.029298
peak_36825	chr15	31256757	31257602	98824	Intergenic	NM_001110394	brca2	7.339030839	8.348498212	-1.009467373	0.01016
peak_41859	chr19	30146743	30147037	112921	Intergenic	NM_001102573	ctgfb	4.569025676	5.578501441	-1.009475765	0.024148
peak_42223	chr16	53943757	53944507	-19590	Intergenic	NM_001017775	zgc:110372	6.391425188	7.401296103	-1.009870915	0.025397
peak_36956	chr5	33564811	33567036	-53024	Intergenic	NM_001089443	tmem119b	8.964652497	9.974646984	-1.009994488	0.010489
peak_41224	chr20	38642311	38642764	-7468	Intergenic	NM_001045020	slc30a2	5.669864721	6.679919529	-1.010054808	0.022098
peak_41734	chr10	18917371	18918028	8623	intron (NM_199776, intron 2 of 9)	NM_199776	ppp2r2d	7.83982371	8.849959635	-1.010135925	0.023752
peak_40527	chr18	37910098	37910648	-29	promoter-TSS (NM_200757)	NM_200757	scg3	6.503742059	7.514109099	-1.01036704	0.019693
peak_35524	chr16	47376380	47377590	131908	Intergenic	NM_200129	dcaf13	8.225447813	9.235935364	-1.010487551	0.007712
peak_35903	chr20	17802463	17803122	16771	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	8.209314158	9.219893797	-1.010579639	0.008365
peak_43864	chr6	12247838	12248232	123297	Intergenic	NM_001045348	gpd2	4.721317424	5.731970315	-1.010652891	0.032403
peak_36310	chr23	44461591	44464161	-13590	Intergenic	NM_131417	ephb4b	9.126728404	10.13742707	-1.010698662	0.009153
peak_38788	chr18	741981	743225	4886	intron (NM_001002537, intron 1 of 7)	NM_001002537	parp6a	6.531170568	7.541993214	-1.010822646	0.014727
peak_42424	chr2	28295490	28295963	-152366	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	5.634792137	6.645910633	-1.011118496	0.026125
peak_41409	chr17	8131114	8131369	21698	Intergenic	NM_130961	lft2	4.829888182	5.841033335	-1.011145153	0.022645
peak_40502	chr6	18002019	18003205	3794	intron (NM_131029, intron 1 of 5)	NM_131029	ntn1a	7.831359433	8.842514098	-1.011154664	0.0196
peak_41969	chr15	16984747	16985163	74186	Intergenic	NM_201993	arcn1b	4.832977038	5.844171619	-1.01119458	0.024551
peak_39662	chr17	53464734	53465455	32530	Intergenic	NM_131896_1	meis2a	6.47602896	7.487319619	-1.011290659	0.017016
peak_39031	chr11	26567251	26567981	16	promoter-TSS (NM_001080020)	NM_001080020	grm6b	6.376652936	7.388090348	-1.011437412	0.015348
peak_39230	chr7	42685406	42686685	-431328	Intergenic	NM_199843	shcbp1	7.410448373	8.422119515	-1.011671142	0.01589
peak_37812	chr14	5063795	5064419	-327918	Intergenic	NM_001007134	lbx2	6.360374901	7.372940651	-1.01256575	0.012308
peak_40838	chr1	513084	514164	-5571	intron (NM_201027, intron 1 of 11)	NM_131564	appa	6.175475977	7.188244077	-1.0127681	0.02067
peak_42300	chr25	1933080	1933638	-82682	Intergenic	NM_131042_1	fbln1	5.68535349	6.698182172	-1.012828682	0.025639
peak_42270	chr24	21179165	21179582	11897	exon (NM_001077390, exon 12 of 13)	NM_001077390	hhatlb	6.43103849	7.444021538	-1.012983048	0.025525
peak_38137	chr16	45736298	45736817	76	promoter-TSS (NR_030047)	NR_030047		7.171219962	8.184219904	-1.012999942	0.013086
peak_43132	chr23	21246152	21246722	94460	Intergenic	NM_001146149	pax7b	5.461104304	6.474200047	-1.013095743	0.029152
peak_43276	chr5	69638471	69638817	106603	Intergenic	NM_001013309	htatip	5.119527147	6.132948127	-1.013420981	0.029859
peak_38572	chr5	1597112	1598457	482	intron (NM_001245965, intron 1 of 22)	NM_001245965	dnm1a	7.166762647	8.180555869	-1.013793222	0.01415
peak_37754	chr23	6572276	6573336	106	5' UTR (NM_001077146, exon 1 of 8)	NM_001077146	bmp7b	7.424375894	8.438560683	-1.014184789	0.01217
peak_42762	chr10	4205197	4205934	128412	Intergenic	NR_029954		5.268748556	6.283051575	-1.014303019	0.027523
peak_38930	chr8	16844140	16845138	-66176	intron (NM_212973, intron 12 of 18)	NM_001007064	dmrta2	6.625234126	7.63973748	-1.014503354	0.015074
peak_40517	chr1	8696861	8697464	8627	Intergenic	NR_033478		5.619195203	6.633899372	-1.014704168	0.019651
peak_43032	chr19	28449291	28449709	-6527	Intergenic	NM_001017699	med10	4.732111944	5.746905176	-1.014793232	0.028764
peak_36138	chr23	36866074	36866761	-19535	Intergenic	NR_030654		7.19622496	8.211210841	-1.014985881	0.008817
peak_37517	chr5	38532717	38533458	183	5' UTR (NM_152940, exon 1 of 3)	NM_152940	crx	6.572508431	7.587580247	-1.015071816	0.011711
peak_37117	chr24	35610453	35611124	-128619	Intergenic	NM_001002724	zgc:92591	8.098226413	9.113374263	-1.01514785	0.010811
peak_37125	chr1	51667018	51667686	12	promoter-TSS (NM_131861)	NM_131861	jag1a	8.45929393	9.474443382	-1.015149452	0.010827
peak_36938	chr14	29350605	29351116	101961	Intergenic	NM_001017548	zgc:113355	6.421036764	7.436220384	-1.015183619	0.010425
peak_36141	chr11	44911061	44912225	11166	intron (NM_001015069_1, intron 1 of 3)	NM_001015069_1	gli2b	8.370327969	9.385648971	-1.015321002	0.008822
peak_38718	chr13	8992538	8993036	67967	Intergenic	NM_212946	wdr32	5.83877329	6.854174693	-1.015401403	0.014503
peak_41908	chr4	15642249	15642763	-29274	Intergenic	NM_200020	btg1	6.306541514	7.322089529	-1.015548015	0.02436
peak_37141	chr24	43698481	43699604	260	intron (NM_001003987, intron 1 of 17)	NM_001003987	epb41l3a	8.49417964	9.509830608	-1.015650968	0.010851
peak_40133	chr3	30888958	30889644	150233	Intergenic	NM_001098186	suv420h2	5.869624243	6.885767224	-1.016142981	0.018418
peak_43391	chr2	49928059	49928752	-59495	Intergenic	NM_001277094	rorcb	5.709577005	6.725765338	-1.016188333	0.030375
peak_41249	chr3	24471085	24471598	-10107	Intergenic	NM_001003478	prr15la	6.544920332	7.56111475	-1.016194418	0.022177
peak_40907	chr21	7921928	7922483	56	promoter-TSS (NM_001159586)	NM_001159586	lhx2a	5.375594171	6.391918115	-1.016323944	0.020951
peak_42761	chr12	45579299	45579847	36349	intron (NM_001110011, intron 1 of 20)	NM_001110011	dock1	4.701970026	5.718310074	-1.016340049	0.027519
peak_43930	chr3	45674987	45675364	1985	Intergenic	NR_030667		4.418468701	5.435119942	-1.01665124	0.032679
peak_40404	chr24	36973034	36973423	55686	Intergenic	NM_213515	ube2v2	5.8017178	6.818632537	-1.016914737	0.01925
peak_36793	chr7	31552822	31554208	15396	Intergenic	NM_001198567	wdr76	8.348393832	9.365358763	-1.016964931	0.010104
peak_40392	chr11	24948487	24948953	-809	promoter-TSS (NM_001002171)	NM_001002171	hdac11	6.428473293	7.445479156	-1.017005863	0.019212
peak_40141	chr2	25473686	25474355	-52607	Intergenic	NM_001159832	fndc3ba	7.905633292	8.922666197	-1.017032905	0.018431
peak_42189	chr18	17596582	17597026	-63251	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	4.708711963	5.725881773	-1.01716981	0.025284
peak_41705	chr11	33603691	33604221	-68455	Intergenic	NM_001160822	pcdh17	5.761660622	6.778957002	-1.01729638	0.023647
peak_42901	chr20	25343750	25344112	-26490	Intergenic	NM_001015041	ctgfa	5.035350516	6.052833748	-1.017483232	0.028155
peak_42793	chr2	59476883	59477611	18193	intron (NM_212882_1, intron 4 of 9)	NM_001017797	cirbpa	5.8017178	6.819238618	-1.017520819	0.027669
peak_42050	chr2	33738235	33738680	-27318	intron (NM_201074, intron 10 of 11)	NM_130988	ptch2	5.229335828	6.247045698	-1.017709871	0.024828
peak_35860	chr8	53207772	53208735	-2302	Intergenic	NM_213126	b2ml	8.070047793	9.087904385	-1.017856592	0.008309
peak_43284	chr15	38000420	38001138	212874	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	6.992219576	8.01010626	-1.017886684	0.02989
peak_42960	chr2	51786125	51786732	24371	Intergenic	NM_001100439	dad1	4.396653674	5.414540525	-1.017886851	0.028434
peak_38296	chr2	59829898	59830986	-42819	intron (NM_212882_1, intron 8 of 9)	NM_001017839	stk11	6.548213083	7.566164939	-1.017951856	0.013512
peak_35178	chr13	5756959	5759804	937	intron (NM_130955, intron 2 of 10)	NM_130955	dld	9.4545904	10.47311463	-1.018524231	0.007158
peak_39871	chr15	45884432	45885355	99915	intron (NM_001278822, intron 1 of 6)	NM_001278822	igsf11	6.732549633	7.751445038	-1.018895405	0.017611
peak_36223	chr17	12857491	12858182	-12883	Intergenic	NM_200131	ppp2r3c	7.573072357	8.592026462	-1.018954106	0.008956
peak_39318	chr19	30643088	30643601	-5435	Intergenic	NM_131162	ntla	7.093324086	8.112526433	-1.019202347	0.016113
peak_38402	chr11	12243755	12244951	-14131	Intergenic	NM_001002392	zgc:92035	6.945074985	7.964285283	-1.019210298	0.013787
peak_39699	chr5	33326972	33327732	145	exon (NM_201119, exon 1 of 11)	NM_201119	sh3glb2b	7.755760789	8.775041885	-1.019281096	0.017142
peak_39319	chr17	34369244	34369944	15832	intron (NM_194363, intron 1 of 14)	NM_194363	mpp5a	6.623687284	7.643010849	-1.019323565	0.016113
peak_34479	chr23	27393107	27394040	-70	promoter-TSS (NM_001214908)	NM_001214908	wu:fc13c02	8.755922269	9.775304649	-1.01938238	0.006169
peak_40734	chr7	33728665	33730128	-213477	Intergenic	NM_205624	fshb	7.480250286	8.499692639	-1.019442353	0.020337
peak_42377	chr2	25822769	25823351	16778	intron (NM_199703, intron 1 of 30)	NM_199703	tnika	6.232004909	7.251618551	-1.019613642	0.025943
peak_37751	chr10	14933744	14934670	24026	intron (NM_001290015, intron 3 of 11)	NM_131366	smad2	6.327547004	7.34722906	-1.019682056	0.01216
peak_42593	chr11	42020115	42020704	-87173	Intergenic	NM_001089510	tnfrsf1b	5.372382244	6.3921425	-1.019760256	0.026843
peak_43857	chr11	2819159	2819610	77308	Intergenic	NM_001080669	srpk1b	5.571801766	6.591895949	-1.020094184	0.032376
peak_37089	chr1	60266294	60268720	-2224	Intergenic	NM_200788	rdh8b	8.208645449	9.228949476	-1.020304027	0.010754
peak_41160	chr9	38237049	38237652	43205	intron (NM_130967, intron 2 of 13)	NM_130967	gli2a	6.221696597	7.242076687	-1.02038009	0.021875
peak_37119	chr11	38938453	38939045	52398	Intergenic	NM_201004	snrpe	8.029294189	9.050045801	-1.020751613	0.010815
peak_41883	chr12	8715352	8715645	17890	Intergenic	NM_001114592	tmem26b	4.545626554	5.56650076	-1.020874206	0.024265
peak_40834	chr10	32929207	32929871	23410	intron (NM_001008653, intron 2 of 3)	NM_001008653	lhfp	5.736678709	6.75760702	-1.020928311	0.020663
peak_43950	chr9	6284138	6284502	-12372	Intergenic	NM_173242	uxs1	4.854460154	5.87545395	-1.020993797	0.032735
peak_40460	chr5	69660543	69661013	84469	Intergenic	NM_001013309	htatip	6.392995724	7.414127441	-1.021131717	0.019449
peak_40327	chr22	3502056	3502505	-174262	Intergenic	NM_001285535	tbxa2r	5.89835559	6.919624558	-1.021268967	0.019014
peak_42023	chr23	15738274	15739352	-297601	Intergenic	NM_001003833	sulf2b	5.675468026	6.696971453	-1.021503427	0.024767
peak_38110	chr16	56541815	56542330	15823	intron (NM_001098197, intron 3 of 10)	NM_001097586	nkd2b	7.072019481	8.093777849	-1.021758368	0.013014
peak_41683	chr10	40509106	40509475	-14244	Intergenic	NM_200940	slc37a4b	5.147161509	6.169093055	-1.021931547	0.023573
peak_40456	chr20	3674337	3674928	-257570	Intergenic	NM_001130794	zgc:194224	6.44299439	7.465045322	-1.022050932	0.019436
peak_43363	chr13	41920629	41920908	278475	intron (NM_001012482, intron 17 of 35)	NM_001012482	pcdh15a	4.521841655	5.544033161	-1.022191506	0.030271
peak_42386	chr5	74171697	74172139	231079	Intergenic	NM_001017876_1	fsip1	5.700279607	6.722480574	-1.022200968	0.025972
peak_36166	chr19	15313241	15314229	-26290	Intergenic	NM_001044982	cited4a	8.377438786	9.39969126	-1.022252474	0.008871
peak_36985	chr14	44983937	44984531	381602	Intergenic	NM_182885	pcdh10b	7.451826625	8.474113132	-1.022286508	0.010551
peak_38187	chr6	42638186	42639576	-112813	Intergenic	NM_001014822	sema3fa	6.698562507	7.720898475	-1.022335967	0.013243
peak_42346	chr5	16258130	16258751	29704	exon (NM_001128246, exon 5 of 14)	NM_001128246	sc:d411	4.960193277	5.98254429	-1.022351013	0.025811
peak_39757	chr17	39787915	39788440	-76962	Intergenic	NM_001288652	eprs	6.015396408	7.037899452	-1.022503044	0.017262
peak_42565	chr16	52484593	52485050	437193	Intergenic	NM_001110524	brd2b	5.278444033	6.300982704	-1.022538671	0.026708
peak_43273	chr10	41333514	41334147	76380	Intergenic	NM_200744	smfn	5.518488091	6.541113812	-1.02262572	0.029851
peak_38499	chr7	1647826	1648757	-6249	intron (NM_205658_1, intron 1 of 2)	NM_205559	lpcat4	5.735028496	6.757829694	-1.022801198	0.013982
peak_40755	chr20	31503812	31504696	18954	intron (NM_001044819, intron 2 of 19)	NM_001044819	sash1a	6.845480257	7.868660566	-1.02318031	0.020405
peak_39011	chr21	18614801	18615294	41214	intron (NM_214756, intron 16 of 21)	NM_214756	nnt	6.123965771	7.147174759	-1.023208988	0.015295
peak_37314	chr2	3652513	3653242	-179	promoter-TSS (NM_001007185)	NM_001007185	wnt3a	6.868307572	7.891590063	-1.023282491	0.011246
peak_39847	chr1	16126035	16126854	7627	intron (NM_212967, intron 2 of 30)	NM_212967	fat1a	6.471066391	7.494359578	-1.023293188	0.017558
peak_43507	chr19	13632012	13632655	-45187	Intergenic	NM_200256	slc25a32a	5.304333868	6.327813118	-1.023479249	0.030807
peak_43144	chr19	38792566	38792945	-89422	Intergenic	NM_001044823	cx39.4	4.752693915	5.776418262	-1.023724346	0.029233
peak_41680	chr6	15692439	15692992	30240	intron (NM_001098731, intron 8 of 17)	NM_001098731	iqca1	5.798956163	6.822952718	-1.023996555	0.023568

peak_40655	chr18	30589688	30590329	77740	Intergenic	NM_001002622	irf8	5.825242463	6.849308948	-1.024066485	0.020095
peak_42937	chr2	4055792	4056285	28622	exon (NM_001142774, exon 6 of 12)	NM_001142774	gpt2l	5.269888677	6.293976883	-1.024088205	0.028305
peak_36139	chr4	33218286	33219672	8666	Intergenic	NM_001128297	si:dkey-122c11.1	7.418589716	8.442823896	-1.024234179	0.008817
peak_41219	chr9	1011055	1011527	-25802	Intergenic	NM_001110451	stk24a	5.400853222	6.42511239	-1.024259168	0.02208
peak_42352	chr7	75180596	75181028	-8354	Intergenic	NM_001034983	aco1	5.165078501	6.189340264	-1.024261762	0.025841
peak_35989	chr5	26105707	26107631	79966	Intergenic	NM_200182	tia1l	8.698515762	9.722943335	-1.024427574	0.00851
peak_42991	chr12	22098414	22098733	50404	Intergenic	NM_199970	nme2a	4.994472906	6.018904905	-1.024432	0.028615
peak_36864	chr11	8402035	8402790	-88498	Intergenic	NM_001002332	uox	6.483448122	7.507937484	-1.024489362	0.010283
peak_39275	chr9	52877922	52879268	35056	Intergenic	NM_001076600	tank	7.871607952	8.896141387	-1.024533435	0.016021
peak_42523	chr20	33884210	33884451	4974	intron (NM_001110519, intron 6 of 15)	NM_001110519	atf6	4.702814493	5.727411494	-1.024597001	0.026518
peak_41198	chr16	12182999	12183724	-26148	Intergenic	NM_001195242	g6fl	6.757817558	7.782429114	-1.024611556	0.022009
peak_40839	chr18	24087547	24088165	172724	Intergenic	NR_120393		5.512692831	6.537706341	-1.02501351	0.020682
peak_36634	chr1	16115735	16117368	-2266	Intergenic	NM_212967	fat1a	8.823048293	9.848123254	-1.025074961	0.009812
peak_37525	chr2	14959827	14961120	11472	intron (NM_200111, intron 2 of 26)	NM_200111	arhgap29b	8.101676839	9.126820614	-1.025143775	0.011726
peak_41755	chr13	37264522	37265102	93	promoter-TSS (NM_001008538)	NM_001008538	pygl	6.29759276	7.322878801	-1.025286041	0.023823
peak_37397	chr3	8939579	8940297	-70024	Intergenic	NM_001014360	zgc:113250	6.514631848	7.540213661	-1.025581813	0.011428
peak_36099	chr14	25600687	25602316	-38954	intron (NM_131736, intron 5 of 35)	NR_030121		7.292981826	8.318769087	-1.025787262	0.008721
peak_40546	chr23	45074012	45075808	-7412	Intergenic	NM_001201337	LOC794400	6.47406618	7.500012551	-1.025946371	0.019791
peak_42911	chr9	41067630	41068116	16843	exon (NM_001161762, exon 2 of 3)	NM_001161762	si:zfos-1425h8.1	5.393518857	6.419513252	-1.025994395	0.02819
peak_41512	chr2	49437101	49437495	-150505	Intergenic	NM_001077752	zgc:123035	5.069219889	6.095305842	-1.026085953	0.02296
peak_40819	chr14	37204811	37205412	83486	Intergenic	NM_205642	zgc:77938	6.370257652	7.396353737	-1.026096085	0.020628
peak_43011	chr1	27212284	27213034	62757	intron (NM_001020726, intron 2 of 14)	NM_001020726	psip1	5.140943814	6.167074437	-1.026130623	0.028677
peak_41642	chr7	16181669	16182191	-34081	Intergenic	NM_152969	igf1rb	5.964072597	6.990254993	-1.026182397	0.023426
peak_40889	chr6	49665877	49666474	-27752	Intergenic	NM_001017688	npepl1	6.002725609	7.029204109	-1.0264785	0.020892
peak_37120	chr5	4703567	4704168	-38925	Intergenic	NM_001030230	angptl2a	6.290869151	7.317739362	-1.026870211	0.010817
peak_38060	chr5	38274829	38275651	8362	TTS (NM_001077271)	NM_001077271	zgc:153990	7.47914169	8.506049058	-1.026907368	0.01291
peak_38848	chr5	2909641	2910328	111522	Intergenic	NM_201167	hpda	6.356891947	7.383871784	-1.026979837	0.014871
peak_40236	chr2	46114030	46114656	-11889	Intergenic	NM_001034987	itgb1b	6.327562975	7.35482236	-1.027259385	0.018727
peak_43495	chr15	30461	30920	16670	Intergenic	NM_205704	bace1	4.866612942	5.893963438	-1.027350496	0.030774
peak_37447	chr1	52322444	52323429	1938	3' UTR (NM_212969, exon 2 of 3)	NM_212969	dand5	7.276026265	8.303743426	-1.02771716	0.011545
peak_43149	chr11	2281285	2281665	-52519	Intergenic	NM_200495	hnrnpa1a	5.39194889	6.419682983	-1.027734093	0.029272
peak_37173	chr3	15511205	15512471	14175	Intergenic	NM_199575	hn1l	8.230963725	9.259315618	-1.028351894	0.010958
peak_39744	chr7	43718220	43718605	4671	TTS (NM_131044)	NM_131044	eng2a	5.604783811	6.633181776	-1.028397965	0.017243
peak_41195	chr6	55869440	55870060	99130	Intergenic	NM_001004558	eya2	5.670728186	6.699194448	-1.028466262	0.021995
peak_36918	chr12	32699477	32700267	90416	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	6.651997829	7.680715129	-1.0287173	0.01038
peak_42616	chr1	55010055	55010510	151355	Intergenic	NM_001145690	tekt4	4.746154871	5.774912605	-1.028757734	0.026918
peak_39379	chr25	14845965	14846646	78061	Intergenic	NM_131178	dbx1b	6.095254858	7.124191751	-1.028936892	0.016273
peak_34690	chr18	26619486	26620649	105916	Intergenic	NM_001126418	kti12	8.900619587	9.929719706	-1.02910012	0.006425
peak_41076	chr1	4639548	4640031	-18124	Intergenic	NM_212965	nrp2a	6.118913033	7.14827909	-1.029366057	0.021622
peak_38904	chr16	58188660	58189483	188	intron (NM_200431, intron 1 of 8)	NM_200431	fbxo43	7.207136617	8.236528677	-1.02939206	0.014985
peak_35808	chr1	41291416	41292562	260	exon (NM_001045371, exon 1 of 2)	NM_001045371	hmx4	6.915437235	7.944971503	-1.029534267	0.008218
peak_43372	chr7	17179833	17180433	65919	intron (NM_001017735, intron 4 of 6)	NM_001017735	mpped2a	6.291991931	7.321794947	-1.029803016	0.030299
peak_37372	chr22	19885558	19886235	14152	Intergenic	NM_001105607	LOC100006793	8.248538948	9.278548579	-1.030009632	0.011379
peak_40092	chr14	15382762	15383197	12782	intron (NM_200376, intron 2 of 6)	NM_200376	fgfrl1a	5.931577743	6.961588577	-1.030010834	0.018297
peak_40370	chr17	49393204	49393895	42700	intron (NM_001076769, intron 6 of 7)	NM_001076769	tfb1m	5.75760253	6.787818724	-1.030216194	0.019138
peak_36559	chr16	23146122	23146579	-23905	Intergenic	NM_001110396	snx10b	6.654849842	7.685332563	-1.03048272	0.009671
peak_37721	chr23	13721760	13722348	5846	Intergenic	NR_030650		5.627250145	6.657825627	-1.030575481	0.012089
peak_41332	chr25	6982018	6982592	178113	Intergenic	NM_001122855	snx33	5.578285455	6.608931493	-1.030646038	0.022399
peak_41211	chr12	12218051	12218719	31564	intron (NM_131406, intron 1 of 7)	NM_131406	raraa	6.992585066	8.023293845	-1.03070878	0.022045
peak_36516	chr7	9374687	9375335	25017	intron (NM_001020496, intron 1 of 4)	NM_001110408	zgc:172260	6.696020133	7.726744641	-1.030724508	0.009589
peak_43891	chr23	993623	994356	72372	Intergenic	NM_001030233	zgc:113423	4.634375402	5.665306674	-1.030931271	0.032536
peak_42811	chr13	3437480	3437817	153491	Intergenic	NM_201129	ncoa4	5.06002242	6.091081666	-1.031059246	0.027749
peak_42457	chr3	37476	38102	-2736	Intergenic	NM_205715	slc25a19	6.679347042	7.710692574	-1.031345532	0.026253
peak_42916	chr16	26740550	26741077	16519	intron (NM_001007428, intron 1 of 7)	NM_001007428	cadm4	5.747792413	6.780506615	-1.032714203	0.028209
peak_42526	chr20	560989	561432	4480	intron (NM_001030225, intron 2 of 4)	NM_001030225	dse	5.228163191	6.260952196	-1.032789004	0.026537
peak_36880	chr24	40861648	40862553	-99982	Intergenic	NM_001037114	nubp2	7.46660574	8.499865961	-1.03326022	0.010309
peak_39879	chr16	43506228	43507187	-113349	Intergenic	NM_131442	gbp	7.147644849	8.181113659	-1.03346881	0.017633
peak_43330	chr13	49674634	49674945	51064	Intergenic	NM_001003463	ntpcr	4.612020614	5.645548261	-1.033527647	0.030137
peak_43209	chr5	46357155	46357764	-67498	intron (NM_001099990, intron 10 of 24)	NM_212584	ctsla	6.012334216	7.04597124	-1.033637025	0.029571
peak_42913	chr4	4386661	4387090	4107	exon (NM_001030208, exon 3 of 14)	NM_001030208	gnsa	5.249771591	6.283481426	-1.033709835	0.028202
peak_37131	chr18	19500376	19501263	-52904	Intergenic	NM_175083	smad3b	6.652229186	7.68610416	-1.033874974	0.010834
peak_43778	chr3	39106589	39106865	12176	Intergenic	NM_001080195	tmem98	4.751878154	5.785767296	-1.033889142	0.032115
peak_34781	chr17	37103382	37104398	277	intron (NM_001018149, intron 1 of 12)	NM_001018149	dpysl5a	8.175489286	9.209406139	-1.033916853	0.006533
peak_39347	chr8	50210108	50210712	153645	Intergenic	NM_001128254	mfn2	6.533071075	7.567003465	-1.03393239	0.016187
peak_35321	chr5	56573722	56575279	100513	Intergenic	NM_001130074	ptar1	7.554679655	8.588678353	-1.033998698	0.00735
peak_38957	chr1	11836229	11837092	146025	Intergenic	NM_200896	zgc:77739	5.820169959	6.854336238	-1.034166279	0.015151
peak_39899	chr10	2325227	2325703	-283452	Intergenic	NM_001008630	nxnl2	5.774192089	6.80838681	-1.034194721	0.017705
peak_43795	chr16	52748237	52748627	302199	Intergenic	NM_001201489	efhb	5.057345246	6.091776339	-1.034431093	0.032173
peak_41011	chr17	9503347	9503737	291279	Intergenic	NM_213310	egln3	5.863217699	6.89766009	-1.034442391	0.02135
peak_43557	chr1	46245308	46246470	-23186	Intergenic	NM_001089578	si:ch211-214c7.5	6.763078262	7.797555498	-1.034477236	0.031037
peak_42289	chr4	59871113	59871692	-272505	Intergenic	NM_001199134	ptprb	5.193665276	6.228144588	-1.034479312	0.025605
peak_41532	chr11	29493107	29493569	-1066	Intergenic	NM_001172642	aadacl4	5.513174319	6.5476607	-1.034486381	0.023035
peak_37204	chr21	5249029	5249898	56290	Intergenic	NM_205680	zgc:77838	7.898642768	8.933196059	-1.03455329	0.01101
peak_43849	chr13	18686020	18686440	-106	promoter-TSS (NM_199871)	NM_199871	mat1a	5.250349312	6.284982434	-1.034633122	0.032366
peak_40293	chr14	13505319	13506309	-205598	Intergenic	NM_001002326	pls3	6.485181419	7.519902724	-1.034721305	0.018922
peak_38247	chr6	43257804	43258383	92393	Intergenic	NM_001006096	arl6ip5a	8.087887297	9.122780036	-1.03489274	0.013385
peak_39478	chr11	773395	774003	14106	intron (NM_213275, intron 1 of 4)	NM_213275	vgll4b	5.91525509	6.950214447	-1.034959357	0.01653
peak_39706	chr14	12941233	12941681	153808	intron (NM_198360, intron 4 of 14)	NM_198360	gria3b	5.430273871	6.465283573	-1.035009701	0.017153
peak_37338	chr8	9664089	9664844	146208	Intergenic	NM_200092	bcap31	7.418975185	8.454085428	-1.035110243	0.011294
peak_39280	chr19	47576362	47576892	-27783	Intergenic	NM_001177934	trps1	7.35741269	8.392601928	-1.035189238	0.016026
peak_43006	chr5	13656535	13657184	-60943	exon (NM_001144041, exon 5 of 20)	NM_001111087	zgc:171242	5.276176387	6.311392423	-1.035216036	0.028661
peak_41521	chr18	3829465	3830129	479204	Intergenic	NM_200555	pdcd10a	5.147161509	6.182592414	-1.035430906	0.02301
peak_42498	chr3	4147382	4148091	4117	intron (NM_001077336, intron 2 of 12)	NM_001077336	pick1	6.536641608	7.572344407	-1.035702799	0.026431
peak_37425	chr7	75664336	75665067	-57935	Intergenic	NM_001077468	mrpl21	8.163396862	9.199282004	-1.035885142	0.0115
peak_34798	chr20	40145160	40146243	205920	Intergenic	NM_001025545	clvs2	7.582191556	8.618248474	-1.036056917	0.00655
peak_39611	chr1	51821279	51821749	90472	Intergenic	NM_001082894	ndufaf5	5.746973874	6.783087827	-1.036113953	0.016901
peak_41120	chr6	1876586	1876976	11576	intron (NM_001004109, intron 1 of 22)	NM_001004109	quo	5.168139123	6.204387199	-1.036248076	0.021754
peak_39801	chr13	4116177	4116559	-43448	Intergenic	NM_201102	pde10a	5.079697909	6.116056715	-1.036358806	0.017398
peak_43577	chr7	59300841	59301394	42779	intron (NM_001006063, intron 1 of 6)	NM_001006063	ank2b	5.432311954	6.468875197	-1.036563244	0.031116
peak_42810	chr4	7759623	7760069	-169448	Intergenic	NM_130937	wnt5b	5.184625743	6.221337911	-1.036712168	0.027745
peak_43856	chr14	53269757	53270160	-20513	Intergenic	NM_001020587		4.881650491	5.918413158	-1.036762667	0.032374
peak_43392	chr6	57096308	57096786	329992	Intergenic	NM_001002869	ddx27	5.57687743	6.613737771	-1.036860341	0.03038
peak_41435	chr16	40730073	40730409	-73198	Intergenic	NM_200570	selenbp1	4.920004586	5.956940469	-1.036935882	0.022722
peak_38873	chr16	39794727	39795130	-49097	Intergenic	NM_001089345	eva1ba	6.271312563	7.308367624	-1.037055061	0.014928
peak_39057	chr7	32123998	32124680	8046	Intergenic	NM_001020766	mcee	6.472581508	7.509696341	-1.037114833	0.015411
peak_41798	chr12	302087	304150	-12135	Intergenic	NM_200240	wdr45l	7.080691731	8.118105332	-1.037413601	0.023954
peak_41187	chr18	11223034	11223793	277071	Intergenic	NM_001013335	zgc:110789	7.179442693	8.217045057	-1.037602364	0.021971
peak_43021	chr20	32441105	32441551	2981	intron (NM_001025482, intron 2 of 12)	NM_001025482	lace1b	5.402413534	6.440360104	-1.037946569	0.028699
peak_39490	chr11	44264724	44265347	-2854	Intergenic	NM_212914	foxg1b	5.936632892	6.97503664	-1.038403748	0.016608
peak_42784	chr21	3951341	3951751	70364	Intergenic	NM_205692	scamp1	5.451560788	6.490517495	-1.038956707	0.027639
peak_42190	chr7	32403968	32404450	-137600	Intergenic	NM_001013468	zgc:111992	6.423102876	7.462137444	-1.039034569	0.025293
peak_41294	chr18	8194214	8194925	-82634	Intergenic	NM_001002177	impdh1a	6.337672275	7.376758989	-1.039086714	0.022309
peak_42907	chr24	27195710	27196502	3	promoter-TSS (NM_001135981)	NM_001135981	zgc:194621	6.000666855	7.039766301	-1.039099446	0.028171
peak_37928	chr8	26552841	26554114	-9652	Intergenic	NM_001014823	sema3ga	7.191410697	8.23086017	-1.039449473	0.012576
peak_41601	chr7	70048584	70049303	-129404	Intergenic	NM_205546	hnf4b	5.859413719	6.898865583	-1.039451863	0.023316

peak_39254	chr13	28588367	28588802	-52324	Intergenic	NM_001162541	slc2a15a	5.635702642	6.675181843	-1.039479201	0.015979
peak_37920	chr16	4288819	4289481	162110	Intergenic	NM_200701	wdr21	6.305151994	7.344661069	-1.039509075	0.012558
peak_42438	chr10	42764164	42765217	-136	promoter-TSS (NM_001040249)	NM_001040249	agpat6	8.123251698	9.162988061	-1.039736362	0.026187
peak_40602	chr11	1030788	1031292	-14577	intron (NM_212882_3, intron 5 of 8)	NR_104087		5.30766836	6.347521587	-1.039853227	0.019926
peak_43143	chr25	36349875	36350422	7319	Intergenic	NM_001045234	fancf	5.377182027	6.417272343	-1.040090316	0.029231
peak_40161	chr9	38250314	38250885	56454	intron (NM_130967, intron 2 of 13)	NM_130967	gli2a	6.466583986	7.506907792	-1.040323807	0.018504
peak_35813	chr21	7571578	7572215	26228	Intergenic	NM_001030261	wdr41	7.4192396	8.45960794	-1.04036834	0.008229
peak_38672	chr12	24842595	24843531	-3511	Intergenic	NM_131784	bambia	7.290026492	8.3304265	-1.040400007	0.014365
peak_43586	chr3	23934941	23935272	-57	promoter-TSS (NM_131114)	NM_131114	eve1	4.427692414	5.468187334	-1.04049492	0.031156
peak_40829	chr14	33688129	33688610	-15588	Intergenic	NM_001001811	sox3	6.196066283	7.236646495	-1.040580212	0.020654
peak_41077	chr7	47877682	47878579	248537	Intergenic	NM_130995	ccne1	6.293394178	7.334128068	-1.04073389	0.021627
peak_40255	chr18	8825073	8825608	-11656	Intergenic	NM_131061	sema3ab	5.555037249	6.595786775	-1.040749526	0.018788
peak_40428	chr10	2553747	2554547	-54770	Intergenic	NM_001008630	nxnl2	6.634154077	7.675012973	-1.040858896	0.019339
peak_42329	chr14	25763574	25764173	-3076	Intergenic	NM_131736	slit3	6.201488841	7.242463605	-1.040974763	0.025739
peak_38763	chr2	27577710	27578412	26591	Intergenic	NM_001076593	zgc:153394	6.526380488	7.567394129	-1.04101364	0.014645
peak_37891	chr23	5922670	5924022	-90075	Intergenic	NM_205567	csrp1a	7.216514688	8.257636219	-1.041121531	0.012482
peak_42044	chr12	49159555	49160278	112102	Intergenic	NM_001276496	polr3a	5.516059878	6.55719601	-1.041136132	0.024802
peak_36700	chr12	32888875	32889747	-99023	intron (NM_001034980, intron 7 of 7)	NM_131259	tcf7l2	7.338087906	8.379292333	-1.041204428	0.00991
peak_42292	chr23	6266057	6266449	137806	Intergenic	NM_200558	mybpha	4.498630944	5.540135698	-1.041504754	0.025616
peak_41329	chr20	33465368	33465949	60964	Intergenic	NM_001044809	smek1	6.756371009	7.798290222	-1.041919213	0.022394
peak_36604	chr2	664201	664919	205834	Intergenic	NM_131728	foxc1a	6.116361525	7.158357166	-1.041995641	0.009745
peak_36111	chr11	32058045	32059759	42227	Intergenic	NM_001014332	man2b1	8.680589361	9.722696875	-1.042107514	0.008745
peak_37359	chr18	30310365	30311040	-75316	Intergenic	NM_001080807	gse1	7.598084623	8.640229322	-1.042144699	0.011336
peak_34271	chr1	46231343	46233193	-9565	Intergenic	NM_001089578	si:ch211-214c7.5	9.066721025	10.10891194	-1.042190918	0.005863
peak_37112	chr3	13406202	13406912	-101742	Intergenic	NR_045224		6.785431906	7.827700565	-1.042268658	0.010802
peak_39069	chr1	22877090	22877887	27007	Intergenic	NM_152975	mab21l2	6.920901505	7.963443489	-1.042541984	0.015437
peak_41701	chr12	44257099	44257455	25361	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	4.636144784	5.678997574	-1.04285279	0.023626
peak_37817	chr10	14586459	14586982	-86	promoter-TSS (NM_001045421)	NM_001045421	zgc:153395	6.802123381	7.845018528	-1.042895146	0.012326
peak_42799	chr16	53725290	53725623	-18550	Intergenic	NM_001013522	lim2.5	4.76976623	5.812709508	-1.042943278	0.027684
peak_43474	chr23	34690926	34691172	332077	Intergenic	NM_001005584	chchd6a	4.386177684	5.42918578	-1.043008096	0.030692
peak_42058	chr18	37186837	37187441	-5173	Intergenic	NM_200573	onecut1	5.692198151	6.735224258	-1.043026107	0.024845
peak_38497	chr14	9527105	9527646	45323	Intergenic	NM_001164461	tbx22	6.378503906	7.42173896	-1.043235054	0.01398
peak_41125	chr5	8799000	8799730	43479	Intergenic	NM_131457	bmpr1ba	6.384042612	7.427300475	-1.043257863	0.021759
peak_39695	chr15	6275249	6275859	-73156	Intergenic	NM_001005991	zgc:103530	6.41769739	7.461012897	-1.043315507	0.017131
peak_39120	chr8	22167230	22168036	246262	Intergenic	NM_001040382	si:dkey-24f17.5	5.353115955	6.396530126	-1.043414171	0.015598
peak_38915	chr20	30327146	30327581	69429	Intergenic	NM_001002716	allc	5.947759346	6.991456664	-1.043697317	0.015025
peak_41887	chr17	16429016	16429726	22947	intron (NM_001045263, intron 1 of 5)	NM_001045263	foxn3	6.23607707	7.280005334	-1.043928264	0.024293
peak_43603	chr11	36637569	36638043	-33760	Intergenic	NM_212679	bhlhe40	4.940238868	5.984216784	-1.043977916	0.031217
peak_36289	chr14	52584706	52585427	-47178	Intergenic	NM_001110028	zgc:171797	8.606314377	9.650309329	-1.043994953	0.009102
peak_43830	chr17	16508570	16509473	-87505	intron (NM_001045263, intron 3 of 5)	NM_001033743	ston2	6.232882137	7.276992902	-1.044110764	0.0323
peak_36333	chr23	17505560	17506449	-19759	intron (NM_001080652, intron 2 of 7)	NM_001136250	zgc:194282	7.283956532	8.328263664	-1.044307132	0.009201
peak_35645	chr3	12050774	12051571	-67951	intron (NM_001042778, intron 10 of 11)	NM_001076623	prkar1b	7.044069021	8.08856501	-1.044495988	0.007908
peak_38817	chr13	49819318	49819935	-93773	Intergenic	NM_001003463	ntpcr	6.591823421	7.636382232	-1.044558811	0.014805
peak_40301	chr16	9243476	9243851	35957	intron (NM_001030206, intron 12 of 13)	NM_001030206	ano10a	5.305446222	6.350293194	-1.044846972	0.018938
peak_42388	chr17	51300276	51300707	-29064	intron (NM_001256215, intron 7 of 15)	NM_001002063	stxbp6	5.495710279	6.5406807	-1.044970421	0.025977
peak_38565	chr2	49973382	49973940	-14239	Intergenic	NM_001277094	rorcb	6.215479522	7.260467137	-1.044987616	0.014134
peak_37994	chr3	551189	553148	24932	Intergenic	NM_001020577	zgc:110249	7.311272049	8.356424286	-1.045152237	0.012738
peak_34149	chr13	40506778	40508259	36	promoter-TSS (NM_131858)	NM_131858	sfrp5	10.13845165	11.18364736	-1.045195708	0.005701
peak_41453	chr5	50324666	50325063	122449	Intergenic	NM_001123267	mblac2	4.521841655	5.567075707	-1.045234052	0.022786
peak_40210	chr14	4992372	4992979	-295038	Intergenic	NM_001017822_1	zgc:110204	6.389837644	7.435600808	-1.045763164	0.018634
peak_36383	chr3	2551408	2552137	136	intron (NM_131875, intron 1 of 4)	NM_131875	sox10	7.570421137	8.616274201	-1.045853065	0.009293
peak_43037	chr7	59984748	59985097	-6049	exon (NM_001039814, exon 3 of 3)	NM_213204	rps20	4.249193638	5.295191587	-1.045997949	0.028788
peak_37561	chr15	15295360	15296224	46869	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	6.519912311	7.566024858	-1.046112547	0.011768
peak_39377	chr2	60246382	60247211	-304136	intron (NM_212882_1, intron 9 of 9)	NR_030000		5.807248169	6.853370695	-1.046122526	0.016271
peak_42431	chr22	12418250	12419016	-85513	Intergenic	NR_030072		5.445519203	6.491763932	-1.046244728	0.026141
peak_40811	chr17	18444352	18444877	182762	Intergenic	NM_213385	vrk1	5.482956608	6.529237451	-1.046280843	0.0206
peak_39737	chr10	9684114	9684767	43536	Intergenic	NM_001044910	si:ch211-243g18.	5.92507927	6.971371448	-1.046292179	0.017232
peak_39659	chr14	30167472	30168024	-477283	Intergenic	NM_001045414	zgc:153146	5.646741346	6.6931598	-1.046418454	0.01701
peak_38396	chr8	29604869	29605497	61227	Intergenic	NM_001014340	ocstamp	5.64630244	6.692910302	-1.046607861	0.013776
peak_40876	chr9	50367641	50368090	-455601	Intergenic	NM_001113604	nostrin	5.581503012	6.62812764	-1.046624628	0.020809
peak_42005	chr17	33503996	33504354	1565	intron (NM_001007162, intron 2 of 6)	NM_001007162	dnajc27	4.616508912	5.663176617	-1.046667705	0.024703
peak_42944	chr15	30044438	30044858	69378	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	4.999292718	6.046186719	-1.046894001	0.028341
peak_42178	chr1	4374901	4375269	78	promoter-TSS (NM_001082796)	NM_001082796	atic	5.231092998	6.278064096	-1.046971098	0.025263
peak_41690	chr5	75129776	75130827	-20941	Intergenic	NM_001114475	fam78ab	6.535930973	7.582937828	-1.047006855	0.023599
peak_41839	chr7	17206007	17206432	-74074	intron (NM_001017735, intron 4 of 6)	NM_001008650	zdhhc13	5.431293272	6.47847964	-1.047186368	0.024082
peak_43193	chr18	41512112	41513055	188421	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	5.981964068	7.029249877	-1.047285809	0.029491
peak_42070	chr5	68821416	68821788	-50154	Intergenic	NM_131302	notch1b	4.763304282	5.811015173	-1.047710891	0.024904
peak_36062	chr6	21025269	21026247	-4391	Intergenic	NM_205740	barhl2	7.773896617	8.82182682	-1.047930203	0.008642
peak_40641	chr7	69309545	69310419	-159565	Intergenic	NM_001007441	znf143a	6.574124561	7.622065596	-1.047941035	0.020047
peak_42510	chr8	15567236	15567797	63559	intron (NM_001003634, intron 2 of 13)	NM_001003634	fnbp1l	6.245397481	7.293603318	-1.048205837	0.026459
peak_33824	chr2	35623601	35624545	22640	intron (NM_173277, intron 1 of 27)	NM_173277	lamc1	8.77415359	9.822388992	-1.048235402	0.005281
peak_36980	chr8	54433389	54434082	-63927	intron (NM_131296, intron 3 of 12)	NM_001118893	vps13a	6.503257412	7.55165026	-1.048392847	0.01054
peak_41009	chr5	21442135	21442844	-52850	Intergenic	NM_001126454	fam222a	5.928332165	6.977016073	-1.048683907	0.021317
peak_39896	chr2	34518739	34519170	-318506	Intergenic	NM_001089542	rfwd2	5.127133121	6.175869447	-1.048736327	0.017696
peak_37634	chr19	31867543	31868381	-11051	Intergenic	NM_001003606	fam49a	7.330715663	8.379497841	-1.048782178	0.01191
peak_41055	chr4	2849591	2849958	-33437	Intergenic	NM_213494	aebp2	4.832205444	5.881055837	-1.048850393	0.021527
peak_41395	chr23	23048622	23049115	98181	Intergenic	NM_212722	eno1a	4.948094724	5.997033802	-1.048939078	0.022617
peak_44001	chr21	26588951	26589271	584	intron (NM_001013485, intron 1 of 1)	NM_001013485	zgc:110782	4.920004586	5.969134207	-1.049129621	0.032945
peak_35951	chr3	24409534	24410540	22839	Intergenic	NR_030095		7.980920138	9.030085315	-1.049165177	0.008448
peak_37512	chr17	9167988	9168698	-346558	Intergenic	NM_001077768	zranb1b	7.138127979	8.187303879	-1.0491759	0.011692
peak_43428	chr22	40841117	40841696	6583	exon (NM_212622, exon 8 of 8)	NM_212622	ahsg	5.385651882	6.434899118	-1.049247236	0.030534
peak_43206	chr24	9058737	9059346	35607	Intergenic	NM_199567	tgif1	5.215166359	6.264463168	-1.049296809	0.029554
peak_41594	chr1	25902012	25902573	-153710	Intergenic	NM_201116	sh3gl2	4.731284458	5.780924647	-1.049640189	0.023301
peak_43290	chr1	15304278	15304818	-54869	Intergenic	NM_001030126	mtmr7b	3.999292718	5.049001292	-1.049708574	0.029944
peak_37858	chr11	41604628	41605071	75810	Intergenic	NM_001077733	znf362a	5.907929007	6.957948571	-1.050019565	0.012431
peak_40798	chr16	52817921	52818222	232560	Intergenic	NM_001201489	efhb	4.593873361	5.643960133	-1.050086772	0.02057
peak_37731	chr2	20816810	20817335	-26946	Intergenic	NM_001006007	nrn1b	6.840895744	7.891070569	-1.050174825	0.012108
peak_41339	chr13	2296074	2296442	-75660	Intergenic	NM_199718	fbxo9	4.868872007	5.919342453	-1.050470446	0.022429
peak_43751	chr13	43619996	43620347	192013	intron (NM_214809, intron 11 of 68)	NM_001077581	zgc:153073	4.398739775	5.450010907	-1.051271132	0.031986
peak_43090	chr18	24711580	24712206	8584	intron (NM_001045011, intron 3 of 3)	NM_001045011	rgma	6.077746189	7.129051021	-1.051304831	0.028963
peak_43095	chr14	52723741	52724426	91839	Intergenic	NM_001110028	zgc:171797	6.032982518	7.084521281	-1.051538762	0.028988
peak_41650	chr22	5024337	5024682	3354	TTS (NM_001118891)	NM_001118891	s1pr4	4.824466719	5.876190023	-1.051723304	0.023449
peak_35686	chr12	29123974	29124555	17006	intron (NM_131425, intron 4 of 11)	NM_131425	etv4	7.288058373	8.340204319	-1.052145947	0.007989
peak_40019	chr19	48151939	48152356	-20017	Intergenic	NM_001012369_1	ext1b	5.485903181	6.538203728	-1.052300547	0.018073
peak_38293	chr9	22180215	22180845	-1133	Intergenic	NM_200483	hao2	5.955220153	7.00761922	-1.052399067	0.013501
peak_34399	chr9	13744534	13745609	-113802	Intergenic	NM_131139	fzd7a	8.009767461	9.062186878	-1.052419417	0.006054
peak_40371	chr23	45369994	45372022	4367	intron (NM_001077745, intron 4 of 20)	NM_001077745	ctc1	7.132949774	8.18549082	-1.052541046	0.019144
peak_43395	chr23	41290640	41291178	-121499	Intergenic	NM_001139458	si:dkey-194e6.1	4.986132253	6.038896628	-1.052764374	0.030392
peak_40977	chr7	10352014	10353126	245714	Intergenic	NM_212678	chsy1	6.548447992	7.601590335	-1.053142343	0.021214
peak_39175	chr6	10196881	10197334	19465	exon (NM_001044895, exon 10 of 26)	NM_001044895	scn1lab	5.781028784	6.834300755	-1.053271971	0.015765
peak_37347	chr11	22544320	22544740	124972	Intergenic	NM_001013545	zgc:101564	5.68663467	6.739997537	-1.053362866	0.011316
peak_37161	chr16	6411887	6412411	21610	Intergenic	NM_200796	elovl4a	7.630484352	8.68395603	-1.053471678	0.010935
peak_40909	chr13	35562658	35563733	2382	intron (NM_131863, intron 2 of 25)	NM_131863	jag1b	6.634154077	7.687716851	-1.053562774	0.020955
peak_40860	chr8	15919351	15920055	-97224	Intergenic	NM_001017814	spata6	5.938805923	6.992538719	-1.053732797	0.020757
peak_37714	chr13	3513016	3513583	77840	Intergenic	NM_201129	ncoa4	5.697715547	6.751477114	-1.053761567	0.012069

peak_41957	chr18	23405229	23405653	253624	Intergenic	NM_131183	nr2f2	5.59159547	6.645371503	-1.053776034	0.024526
peak_40509	chr13	53236049	53236851	-64047	Intergenic	NM_200969	sncb	6.390623991	7.44452343	-1.053899439	0.019631
peak_37538	chr17	53393514	53394595	-38510	intron (NM_131896, intron 2 of 4)	NM_131896_1	meis2a	7.550215436	8.604301333	-1.054085897	0.011738
peak_40277	chr8	45876055	45876583	-21963	Intergenic	NM_183338	piwil1	6.29143065	7.345605747	-1.054175097	0.018872
peak_40725	chr12	39578649	39579380	511636	Intergenic	NM_001110169	zgc:171957	6.370804592	7.425048647	-1.054244055	0.020316
peak_40497	chr16	52562368	52563213	487841	Intergenic	NM_001201489	efhb	5.40501031	6.459282946	-1.054272635	0.019578
peak_40103	chr3	63203706	63205029	-19915	Intergenic	NM_131644	sox9b	7.518241256	8.572832383	-1.054591127	0.018324
peak_40685	chr20	14758358	14759048	-31531	intron (NM_001128524, intron 16 of 19)	NR_030742		7.007045155	8.061721715	-1.05467656	0.020198
peak_38552	chr17	50388357	50388884	120916	Intergenic	NM_001032728	cox7a2a	6.1930644	7.247807112	-1.054742713	0.01411
peak_38772	chr16	17002696	17003140	119751	Intergenic	NM_001077320	deptor	5.525664779	6.580713199	-1.05504842	0.014671
peak_37403	chr13	53024214	53025214	36616	Intergenic	NM_001135784	nkx6.2	6.17610196	7.231299649	-1.055197689	0.011443
peak_41959	chr25	1474893	1475622	-175385	Intergenic	NM_001077455	ppm1h	5.417440195	6.472671556	-1.055231362	0.024529
peak_38024	chr18	30511915	30512432	-95	promoter-TSS (NM_001002622)	NM_001002622	irf8	7.030323333	8.085603701	-1.055280369	0.012824
peak_42727	chr11	45079955	45080358	-26716	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	5.178532351	6.233845638	-1.055313287	0.027393
peak_36771	chr23	35745102	35745923	203	intron (NM_001105126, intron 1 of 3)	NM_001105126	tuba1l	7.681818119	8.737380645	-1.055562527	0.010059
peak_35310	chr5	57914650	57916029	7699	TTS (NM_001102384)	NM_001102384	tbx2a	7.878548992	8.934285013	-1.05573602	0.007341
peak_39815	chr13	39719680	39720126	-87	promoter-TSS (NM_213264)	NM_213264	col9a1b	5.653745742	6.709494048	-1.055748306	0.017455
peak_41763	chr11	11568455	11569028	10845	Intergenic	NM_001040359	zgc:136902	6.760026921	7.815787335	-1.055760415	0.023842
peak_42398	chr1	8097116	8097715	16600	intron (NM_201029, intron 2 of 16)	NM_201029	prkcba	5.804474159	6.860270273	-1.055796113	0.026027
peak_36351	chr17	5493106	5494206	352	exon (NM_001012257, exon 1 of 7)	NM_001012257	xkr6	8.285304359	9.341165998	-1.055861639	0.009234
peak_37377	chr7	55887074	55887619	23371	Intergenic	NM_001128270	LOC796180	6.397451531	7.45343877	-1.055987239	0.011395
peak_38536	chr24	35004386	35004938	13717	intron (NM_001025301, intron 1 of 9)	NM_001025301	tmeff1b	5.541856033	6.597938194	-1.05608216	0.014074
peak_40020	chr6	56485399	56485903	366274	Intergenic	NM_001008576_1	tfap2c	5.804103672	6.860567872	-1.0564642	0.018078
peak_33632	chr11	744439	745816	-14466	Intergenic	NM_213275	vgll4b	7.877520948	8.934053375	-1.056532427	0.005068
peak_41540	chr3	32318140	32318498	-514	promoter-TSS (NM_001159928)	NM_001159928	pih1d1	5.281838832	6.338392066	-1.056553234	0.023058
peak_43205	chr5	12438632	12439102	-48685	Intergenic	NM_001195784	fep15	4.564386956	5.620997737	-1.05661078	0.029554
peak_42724	chr9	50681696	50682220	-220658	Intergenic	NM_200132	scn1a	5.432311954	6.489215845	-1.056903891	0.027373
peak_41221	chr17	3791507	3792049	65498	intron (NM_001020655, intron 9 of 9)	NM_001083542	hao1	5.47803224	6.534959852	-1.056927612	0.022082
peak_44011	chr11	10606430	10606675	1300	intron (NM_198876, intron 1 of 1)	NM_198876	b3gnt5a	4.33794409	5.395022483	-1.057078393	0.032995
peak_39793	chr24	35154534	35155407	90010	intron (NM_214789, intron 1 of 8)	NM_001080705	atg9b	7.847407528	8.904537854	-1.057130326	0.017371
peak_42259	chr23	43998452	43998834	60179	Intergenic	NM_001017554_3	rnf150a	4.728799148	5.786005435	-1.057206288	0.025497
peak_39692	chr15	46420864	46421774	-7248	intron (NM_205646, intron 1 of 6)	NM_207070	phox2a	5.946313055	7.00359586	-1.057282806	0.017127
peak_42420	chr5	11037220	11037656	45736	Intergenic	NM_001128398	si:ch211-207k7.4	5.176709942	6.234014618	-1.057304676	0.02611
peak_39212	chr2	35511359	35511887	62757	Intergenic	NM_001020770	ankrd45	7.588964779	8.646330358	-1.057365579	0.015854
peak_38215	chr14	21668160	21668731	224568	Intergenic	NM_001080068	ids	5.618300328	6.675672859	-1.057372531	0.013309
peak_42769	chr24	19224462	19224969	-4690	Intergenic	NM_200844	zgc:66014	5.501088645	6.558689419	-1.057600774	0.027575
peak_36240	chr8	4924844	4925435	18834	Intergenic	NM_213274	cldn5a	8.089431225	9.147121191	-1.057689965	0.009005
peak_36349	chr10	17479924	17480487	-3378	Intergenic	NR_030078		7.697839977	8.755658694	-1.057818717	0.00923
peak_38571	chr18	14351556	14352276	71016	Intergenic	NM_001044926	mtss1l	7.950072769	9.008159038	-1.058086269	0.014148
peak_37955	chr11	23712659	23713426	137921	Intergenic	NM_212732	mdm4	6.683655954	7.741830907	-1.058174953	0.012635
peak_41131	chr4	4464741	4465402	-57171	Intergenic	NM_001130792	zgc:194209	5.427211339	6.485408653	-1.058197314	0.021776
peak_42086	chr15	43565151	43566036	15344	intron (NM_214806, intron 2 of 15)	NM_214806	gria4a	6.304890152	7.363099269	-1.058209116	0.024953
peak_39324	chr14	7455160	7455915	35121	intron (NM_001256636, intron 2 of 7)	NM_001256636	gfra3	6.863972888	7.922260348	-1.05828746	0.016118
peak_40077	chr23	22091258	22092010	133750	Intergenic	NM_001003477	dhrs3a	6.120493916	7.178868501	-1.058374585	0.018236
peak_39177	chr10	45495296	45495674	-1126	Intergenic	NM_001006044	cldn5b	5.568099124	6.62653923	-1.058440105	0.015771
peak_42256	chr5	23664726	23665205	6602	exon (NM_001099997, exon 6 of 25)	NM_001099997	LOC559803	5.89022339	6.948681347	-1.058457957	0.025476
peak_43370	chr13	51756870	51757508	69968	Intergenic	NM_001014817	dntt	6.08032894	7.138873983	-1.058545043	0.030293
peak_42429	chr1	24217061	24217543	10379	intron (NM_001014371, intron 1 of 11)	NM_001014371	trim2a	5.040742964	6.09932317	-1.058580206	0.026133
peak_38313	chr2	49959266	49959789	-28373	Intergenic	NM_001277094	rorcb	5.868119378	6.926768735	-1.058649357	0.013542
peak_42729	chr6	57577779	57578085	27172	Intergenic	NM_001076592	zgc:153702	4.491806838	5.550495378	-1.05868854	0.027406
peak_38935	chr1	54300309	54300885	25114	Intergenic	NM_001111189	pus10	5.612919391	6.671710292	-1.0587909	0.015093
peak_40303	chr5	9294787	9295427	-18115	Intergenic	NM_001099450	agpat9l	4.945242996	6.00407028	-1.058827284	0.018946
peak_42764	chr15	37594997	37595326	90243	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	4.682359636	5.741192542	-1.058832906	0.027541
peak_34017	chr9	2214254	2215382	-114171	Intergenic	NM_201176	atp5g3a	8.331727686	9.390644498	-1.058916811	0.005542
peak_39095	chr17	13676846	13677184	649592	Intergenic	NM_200482	jkamp	5.407602421	6.46659853	-1.058996109	0.015515
peak_35904	chr25	13600216	13600749	-25988	Intergenic	NR_029920		6.973931025	8.032969754	-1.059038729	0.008366
peak_36376	chr8	1569535	1570859	110380	Intergenic	NM_131026_1	efna5b	8.427575885	9.486657195	-1.05908131	0.00928
peak_38609	chr4	10283493	10283949	46103	Intergenic	NM_001045037	tspan11	5.662044864	6.721302019	-1.059257155	0.014241
peak_42433	chr4	4190602	4191045	45146	Intergenic	NM_001110392	ano2	4.744515468	5.803848595	-1.059333128	0.026148
peak_39961	chr12	3818325	3818680	43117	intron (NM_213148, intron 1 of 4)	NM_001204332	gngt2b	5.001353433	6.06080093	-1.059447498	0.017928
peak_37807	chr9	50108436	50109084	-196496	Intergenic	NM_001113604	nostrin	5.74656443	6.806061326	-1.059496896	0.012299
peak_39008	chr1	54554290	54554949	-25609	Intergenic	NM_130954	dla	6.758223821	7.817820775	-1.059596954	0.015288
peak_40781	chr23	44145893	44146441	33602	Intergenic	NM_213374	zgc:56304	4.994472906	6.054100467	-1.059627562	0.020529
peak_41697	chr15	2647951	2648891	361	exon (NM_131762, exon 1 of 1)	NM_131762	cldna	6.72507526	7.784713608	-1.059638348	0.02362
peak_42560	chr15	32254561	32255375	114534	Intergenic	NM_199743	zgc:73340	6.509559236	7.56922294	-1.059663705	0.026701
peak_32951	chr13	30710822	30711983	-18981	Intergenic	NM_001113339	zmiz1a	9.730489927	10.79032732	-1.059837392	0.004354
peak_42312	chr10	46417002	46417474	-16210	Intergenic	NM_212844	il1b	4.388278976	5.448126169	-1.059847193	0.02569
peak_41530	chr5	68358920	68359406	49791	Intergenic	NM_001002491	olfm1a	5.929435882	6.989300679	-1.059864797	0.023027
peak_40433	chr18	38536371	38536858	-115475	Intergenic	NM_001017682	sema6dl	6.079697909	7.139728601	-1.060030692	0.01935
peak_42876	chr24	9056602	9057129	37783	Intergenic	NM_199567	tgif1	5.813907556	6.873938825	-1.06003127	0.02804
peak_40818	chr1	14168539	14168988	183335	Intergenic	NM_001045485	pi4k2b	5.330281963	6.390323323	-1.06004136	0.020621
peak_40325	chr10	45254147	45254547	19240	Intergenic	NM_001004605	arrdc3b	4.728799148	5.788934652	-1.060135505	0.019007
peak_39027	chr13	9795270	9795736	-2388	Intergenic	NM_131783	six2a	5.924717384	6.984874893	-1.060157509	0.01533
peak_42477	chr6	11746728	11747206	-23907	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	5.299285064	6.359644637	-1.060359573	0.026338
peak_36298	chr5	58248307	58249042	85257	Intergenic	NM_001007340	ppm1db	7.002735611	8.063159637	-1.060424026	0.009119
peak_43103	chr22	34039921	34040437	-239270	Intergenic	NM_001037661	slc6a6b	5.306525309	6.367115872	-1.060590563	0.029015
peak_43153	chr19	48753832	48754654	-71484	exon (NM_131813, exon 7 of 9)	NM_001003986	abrab	5.941649522	7.002268533	-1.06061901	0.029306
peak_42540	chr6	45603275	45603815	173090	intron (NM_001080051, intron 5 of 22)	NM_001080051	cntn4	5.835674373	6.896314748	-1.060640375	0.026622
peak_42048	chr24	35562877	35563542	-81040	Intergenic	NM_001002724	zgc:92591	5.401893618	6.462642679	-1.060749061	0.02482
peak_35214	chr15	47249492	47250722	-56888	Intergenic	NM_001076636_1	zgc:153039	7.261290645	8.322099291	-1.060808646	0.007202
peak_40434	chr1	16199864	16200461	-69111	intron (NM_212967, intron 7 of 30)	NM_131877	casp3a	5.895403728	6.956377587	-1.060973859	0.019353
peak_40390	chr24	16779241	16779995	3301	intron (NM_213297, intron 1 of 2)	NM_213297	zgc:85682	6.660294302	7.721273322	-1.06097902	0.019208
peak_33235	chr5	28109049	28111560	27498	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	10.22830539	11.28949649	-1.061191091	0.004634
peak_42833	chr23	35747450	35748008	-2014	Intergenic	NM_001105126	tuba1l	5.669407593	6.730965788	-1.061558195	0.027823
peak_41388	chr5	11192413	11192957	-46276	Intergenic	NM_001128575	LOC100150220	5.303188172	6.364897483	-1.061709311	0.022597
peak_43185	chr23	36990562	36990855	-10717	Intergenic	NM_001089535	ube2j2	4.735417151	5.797146791	-1.061729639	0.02946
peak_36214	chr7	78830	79695	-20816	Intergenic	NM_001079984	nrxn2b	6.231110072	7.293111002	-1.06200093	0.008942
peak_43522	chr22	39554556	39555086	15882	Intergenic	NM_201294	b3gnt7	5.0420782	6.104141949	-1.062063748	0.030853
peak_43784	chr21	16357463	16357935	-34400	Intergenic	NM_001161551	rxraa	5.615586209	6.677673276	-1.062087068	0.032141
peak_42504	chr12	36347659	36348139	22405	intron (NM_200842, intron 1 of 6)	NM_200842	qki2	5.016415696	6.078550834	-1.062135138	0.026444
peak_38941	chr8	4513652	4514147	-29422	Intergenic	NM_001040045	myl2b	6.394057051	7.456389728	-1.062332677	0.015105
peak_40290	chr8	21025325	21026940	-208	promoter-TSS (NM_001003563)	NM_001003563	zgc:101100	7.438058259	8.500558668	-1.062500409	0.018917
peak_35730	chr5	69629244	69630086	115582	Intergenic	NM_001013309	htatip	7.713032857	8.775630036	-1.062597179	0.008092
peak_35612	chr8	55846452	55848554	-16260	Intergenic	NM_001130594	tlr9	7.780234727	8.842914417	-1.06267969	0.007868
peak_42765	chr16	26443819	26444037	-10050	Intergenic	NM_200750	rps19	4.30933272	5.372059981	-1.062727262	0.027546
peak_34206	chr3	62652316	62654643	95525	Intergenic	NM_001105129	srebf1	8.411105702	9.474004903	-1.062899201	0.00578
peak_35641	chr13	53818613	53820139	-24309	intron (NM_199954, intron 1 of 2)	NM_200370	zgc:64043	6.732124009	7.79508536	-1.06296135	0.007901
peak_42878	chr15	18804419	18804731	4475	intron (NM_212634, intron 1 of 15)	NM_212634	alcamb	4.826017789	5.88898573	-1.062967941	0.028051
peak_35911	chr24	39092806	39093650	-11485	Intergenic	NM_199552	h1f0	7.723705571	8.786790746	-1.063085174	0.008374
peak_41739	chr20	15238552	15238973	68417	Intergenic	NM_200805	prdx6	5.605235529	6.668470562	-1.063235032	0.02377
peak_43069	chr1	39722029	39722442	14204	Intergenic	NR_030668		4.835289348	5.898556631	-1.063267282	0.028882
peak_40522	chr1	60020609	60023576	675	exon (NM_214747, exon 1 of 1)	NM_214747	wfikkn1	7.787037106	8.850577294	-1.063540187	0.019666
peak_42990	chr25	7132298	7132871	328392	Intergenic	NM_001122855	snx33	4.914140467	5.977932528	-1.063792061	0.028608
peak_41321	chr13	28733703	28734181	-2537	Intergenic	NM_131521	fbxw4	5.202683352	6.266491041	-1.063807689	0.022366
peak_35638	chr21	19856683	19857665	-8691	Intergenic	NM_199645	eif4ebp1	7.357814854	8.421918068	-1.064103215	0.0079

peak_36665	chr5	134693	135929	-36333	Intergenic	NM_001034985	dcc	7.08879003	8.152952776	-1.064162746	0.009857
peak_37177	chr3	48583428	48583876	72938	Intergenic	NM_001079978	zgc:158309	5.3940418	6.45820529	-1.06416349	0.010963
peak_39055	chr6	44175351	44175918	46985	Intergenic	NM_001110371	ppp4r2b	6.423615206	7.488062812	-1.064447606	0.015404
peak_41137	chr21	28938859	28939454	-13365	Intergenic	NM_212589	hnrnph1l	5.236385727	6.30107373	-1.064688003	0.021786
peak_35333	chr2	45121059	45121642	-21640	Intergenic	NM_001254950	LOC100536659	6.231695313	7.296422377	-1.064727064	0.007372
peak_41845	chr16	6596928	6597555	102380	Intergenic	NM_001020563	echdc1	6.405269731	7.470039433	-1.064769702	0.024099
peak_43062	chr8	17719270	17719566	15406	Intergenic	NM_001003556	dimt1l	4.538075632	5.602909658	-1.064834026	0.028867
peak_36678	chr7	74809874	74810683	35411	Intergenic	NM_001008590	slc35c1	6.665960091	7.730824738	-1.064864647	0.009874
peak_35687	chr17	37925251	37926086	37706	Intergenic	NM_001077153	zfp36l1a	9.287419034	10.35235422	-1.064935182	0.007989
peak_39386	chr19	39018758	39019383	11563	intron (NM_001044714, intron 1 of 9)	NM_001044714	dlgap3	6.225227423	7.290178937	-1.064951514	0.016285
peak_35372	chr2	5529441	5530797	-51599	Intergenic	NM_001291343	mier1b	8.484492033	9.549727041	-1.065235008	0.007451
peak_43797	chr17	2503566	2504148	-8443	Intergenic	NM_001161399	kcnk10b	4.796957255	5.862205101	-1.065247846	0.032183
peak_36517	chr22	37691616	37692705	-9558	Intergenic	NM_001079972	lcor	7.971480392	9.036892612	-1.06541222	0.009591
peak_37916	chr20	49995245	49996094	-211304	Intergenic	NM_001077270	ints9	7.598091242	8.66350822	-1.065416978	0.012555
peak_38310	chr20	22066448	22067199	-84620	Intergenic	NM_001030136	daam1b	7.126809357	8.192239581	-1.065430225	0.013538
peak_43500	chr16	818595	820085	-1301	Intergenic	NM_207184	irx1a	6.713131524	7.778636403	-1.06550488	0.03078
peak_38967	chr8	8507636	8508165	-83019	intron (NM_001122628_1, intron 1 of 1)	NM_001111186	abcd1	5.856381009	6.921901191	-1.065520182	0.01518
peak_36763	chr20	8161668	8162411	399972	Intergenic	NM_001244756	bloc1s2	6.81646845	7.88216895	-1.0657005	0.010047
peak_42954	chr2	11519741	11520214	-65769	Intergenic	NM_001020566	zgc:110130	6.406840393	7.472559636	-1.065719243	0.028383
peak_37136	chr16	44885704	44886658	35188	intron (NM_001168265, intron 1 of 11)	NM_001168265	dyrk1b	7.626026404	8.691804092	-1.065777689	0.010843
peak_37562	chr21	35447662	35448574	20551	Intergenic	NM_001002503	ndfip1l	6.451072948	7.516949443	-1.065876495	0.01177
peak_38442	chr18	643094	643521	36201	Intergenic	NM_001014356	fam219b	6.91872252	7.984797453	-1.066074932	0.013875
peak_39181	chr6	1485541	1486086	47587	Intergenic	NM_001110010	plxna1b	5.826792699	6.892926829	-1.06613413	0.015777
peak_38799	chr6	39527673	39528163	33626	Intergenic	NM_001025549	atf7b	5.787833233	6.854097556	-1.066264323	0.01477
peak_38587	chr10	24499728	24500164	-159638	Intergenic	NM_200664	cadm2a	5.396131678	6.46256708	-1.066435403	0.014184
peak_38474	chr3	23538476	23539047	26346	Intergenic	NM_199214	col1a1a	6.349076111	7.415530982	-1.066454871	0.013932
peak_37722	chr19	702035	702821	-46009	Intergenic	NM_001098178	slc6a19a	5.772182018	6.838988254	-1.066806236	0.012091
peak_34297	chr19	3802708	3803379	65	promoter-TSS (NM_001077376)	NM_001077376	si:ch211-133n4.4	7.353384877	8.420266709	-1.066881833	0.005902
peak_36190	chr15	12960987	12962157	276	5' UTR (NM_001077570, exon 1 of 5)	NM_001077570	scn4ba	8.18043267	9.247491359	-1.067058689	0.008905
peak_33947	chr10	4644405	4645829	147	5' UTR (NM_001002132, exon 1 of 8)	NM_001002132	lppr1	8.849273434	9.916460561	-1.067187127	0.005465
peak_43101	chr21	23865466	23865955	-52548	Intergenic	NM_001004630	sc5d	4.638794795	5.706085313	-1.067290518	0.028997
peak_42186	chr24	41714460	41715610	-132657	Intergenic	NM_001077598	aoc1	8.920455762	9.987779014	-1.067323252	0.025281
peak_42362	chr1	5501342	5501688	-2130	Intergenic	NM_001145627	si:ch211-93g23.2	5.318209171	6.385725038	-1.067515867	0.025881
peak_40953	chr18	48711357	48711810	-115967	Intergenic	NM_001045317	mob2b	5.820559039	6.888857588	-1.068298549	0.021126
peak_35523	chr2	11547441	11548649	-93837	Intergenic	NM_001020566	zgc:110130	9.307523504	10.37583264	-1.068309135	0.007711
peak_42115	chr18	7301035	7301612	198547	Intergenic	NM_001044963	rabl2	5.332466203	6.400869883	-1.068403681	0.025037
peak_40931	chr17	1057025	1057547	-32708	Intergenic	NM_001281801	akt1	5.612893183	6.681371728	-1.068478545	0.02108
peak_38608	chr15	18019013	18019521	-166838	Intergenic	NM_001110169_1	zgc:171957	6.078071659	7.146645149	-1.06857349	0.01424
peak_41483	chr7	14956856	14957508	87891	intron (NM_001045106, intron 2 of 15)	NM_001045106	furina	5.09267992	6.161412071	-1.068732151	0.022855
peak_36472	chr3	2554038	2554707	2736	exon (NM_131875, exon 3 of 5)	NM_131875	sox10	6.553619995	7.622401069	-1.068781075	0.009491
peak_39557	chr8	48680752	48681326	-2204	Intergenic	NM_183347	sult1st2	5.926525907	6.99591109	-1.069385183	0.016783
peak_35493	chr20	46716	48394	-9933	Intergenic	NM_001114452	zgc:174972	7.642003253	8.71140508	-1.069401828	0.007647
peak_34906	chr9	48837668	48838287	43941	Intergenic	NM_001003480	zgc:92380	8.312236702	9.381705908	-1.069469207	0.006728
peak_38649	chr9	10919528	10920039	2048	TTS (NM_131834)	NM_131834	cxcr4b	6.587472842	7.65703346	-1.069560618	0.014321
peak_37288	chr8	49031442	49032175	18687	intron (NM_001004617, intron 3 of 8)	NM_001004617	acot7	6.813539483	7.883130147	-1.069590664	0.011201
peak_36153	chr16	58139725	58140371	31820	Intergenic	NM_001177450	gnrhr3	6.730456497	7.800240499	-1.069784002	0.008842
peak_42918	chr23	6505347	6505783	67347	intron (NM_001077146, intron 1 of 7)	NM_001077146	bmp7b	4.450052762	5.519859104	-1.069806342	0.028209
peak_43640	chr20	48927957	48928389	7081	Intergenic	NR_030665		5.317074445	6.38700362	-1.069929175	0.031407
peak_36427	chr6	57007363	57007856	418930	Intergenic	NM_001002869	ddx27	6.003088448	7.073296379	-1.070207931	0.009398
peak_43411	chr9	55236630	55236987	-74496	Intergenic	NM_131555	dct	4.315971024	5.386361804	-1.070390779	0.030459
peak_40625	chr8	30178657	30179258	-263093	intron (NM_001004123, intron 6 of 15)	NM_131091	atoh1a	5.911607352	6.982007562	-1.07040021	0.020001
peak_43473	chr5	14892053	14892560	-1604	Intergenic	NM_199534	zgc:65851	5.48887231	6.559273403	-1.070401093	0.030683
peak_39030	chr10	7673338	7673938	419	5' UTR (NM_001099416, exon 1 of 5)	NM_001099416	st8sia4	5.863595343	6.934060437	-1.070465094	0.015345
peak_39496	chr17	6955603	6956520	84462	Intergenic	NM_001023572	zbtb24	6.652203681	7.723063291	-1.070859609	0.016625
peak_37149	chr20	30062805	30063516	-1960	Intergenic	NM_131337	sox11b	7.840122777	8.911113606	-1.070990829	0.010884
peak_41629	chr18	44652211	44652653	-60517	Intergenic	NM_001030074	kcnk6	4.569951633	5.641021483	-1.07106985	0.023395
peak_39632	chr12	47834371	47835272	19270	intron (NM_001252350, intron 12 of 13)	NM_001252350	plaub	4.960193277	6.031425526	-1.071232249	0.016958
peak_40807	chr1	35881469	35881849	-21185	Intergenic	NM_001002077	lsm6	5.412286634	6.483641589	-1.071354954	0.02059
peak_37828	chr10	13343437	13344044	16725	intron (NM_001099446, intron 1 of 11)	NM_001113499	il11ra	5.902058395	6.973512738	-1.071454344	0.01235
peak_40868	chr3	23789890	23790545	10156	Intergenic	NM_205729	nr1d1	5.340659428	6.412124469	-1.071465041	0.020778
peak_34498	chr25	1078044	1078511	67214	Intergenic	NM_001080075	nell2a	6.598885331	7.670730513	-1.071845182	0.006192
peak_39399	chr3	5086029	5086412	17486	intron (NM_001076616, intron 11 of 15)	NM_001076616	rangap1a	4.905363553	5.977594257	-1.072230704	0.01631
peak_33758	chr17	24337478	24338195	11703	intron (NM_001077601, intron 1 of 6)	NM_001077601	peli1b	7.256984915	8.329355429	-1.072370514	0.005215
peak_32726	chr7	55882404	55883456	27787	Intergenic	NM_001128270	LOC796180	8.470767412	9.54315402	-1.072386607	0.004114
peak_43012	chr19	47817675	47818304	-6101	Intergenic	NM_212865	rbm24a	5.232263256	6.304735851	-1.072472595	0.028677
peak_37840	chr1	30957875	30960128	11083	Intergenic	NM_001256665	cenpk	8.424635589	9.497127626	-1.072492037	0.012391
peak_40804	chr17	12248421	12249036	-96	promoter-TSS (NM_131434)	NM_131434	snap25b	6.30235268	7.374896935	-1.072544255	0.020585
peak_40017	chr23	244924	245461	-80160	Intergenic	NM_001002548	taf11	5.394564553	6.467198661	-1.072634108	0.018072
peak_40984	chr25	12587349	12587832	-88	promoter-TSS (NM_001045173)	NM_001045173	ndrg4	6.372678555	7.445404155	-1.072725599	0.021235
peak_35136	chr17	26378788	26379977	67254	Intergenic	NM_001080665	fam149b1	7.733576984	8.806381804	-1.07280482	0.00709
peak_35173	chr17	38070426	38071158	-29464	Intergenic	NM_001077519	plekhh1	7.289745497	8.362559559	-1.072814062	0.007151
peak_39517	chr16	847512	847926	27069	Intergenic	NM_207185	irx1a	5.390901295	6.463765287	-1.072863991	0.016677
peak_33439	chr24	17717084	17718001	-88370	Intergenic	NM_001008734	commd3	9.285128167	10.3580332	-1.072905036	0.004866
peak_39605	chr3	8557305	8557823	-8470	Intergenic	NM_001111227	zgc:174234	5.788628921	6.861672117	-1.073043196	0.016885
peak_42131	chr18	8160637	8161175	-116297	Intergenic	NM_001002177	impdh1a	4.804103672	5.877487762	-1.07338409	0.025105
peak_39780	chr15	1626407	1626923	-9005	exon (NM_001076580, exon 4 of 5)	NM_201305	kpna4	5.856001471	6.929435645	-1.073434174	0.01734
peak_38682	chr3	7081541	7082336	111965	Intergenic	NM_205613	hn1b	5.029304008	6.102830522	-1.073526515	0.014386
peak_40145	chr3	29089001	29089578	-1589	Intergenic	NM_001005958	lgals1l1	5.474051752	6.547667718	-1.073615966	0.018446
peak_36037	chr25	5157467	5158264	-44586	Intergenic	NM_001077725	athl1	7.52015886	8.593914315	-1.073755455	0.008582
peak_37620	chr5	39312845	39314827	-7104	Intergenic	NM_001013531	cdc42ep2	8.609135596	9.683158971	-1.074023375	0.01188
peak_42677	chr16	523668	524621	45990	Intergenic	NM_201057	irx2a	6.650479433	7.724822967	-1.074343534	0.027209
peak_39090	chr19	15224793	15225878	62110	Intergenic	NM_001044982	cited4a	6.505693136	7.580069902	-1.074376766	0.015508
peak_39824	chr1	44907487	44908228	12718	Intergenic	NM_001100437	crybb1l2	5.716283569	6.790725267	-1.074441698	0.017491
peak_40596	chr11	21373605	21374191	-5276	Intergenic	NM_001030214	zgc:114173	4.883141315	5.957684608	-1.074543294	0.019921
peak_43169	chr5	52108209	52108975	-287045	Intergenic	NM_200418	fam172a	5.770595438	6.845436256	-1.074840818	0.029381
peak_39047	chr25	27529656	27530034	72816	Intergenic	NM_001013279	fbxl22	4.827567192	5.902519578	-1.074952386	0.015392
peak_41346	chr17	48851594	48852846	9346	intron (NM_001037401, intron 1 of 4)	NM_001037401	kcnk5a	6.502786747	7.577835656	-1.075048909	0.022454
peak_43741	chr1	3679036	3679494	-493984	Intergenic	NM_001003842	spry2	5.23346666	6.308553675	-1.075087015	0.031929
peak_35169	chr13	17381330	17382169	131586	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	7.987111045	9.062722893	-1.075611848	0.007146
peak_42026	chr18	39353114	39353419	-142849	Intergenic	NM_001006013	polr2i	4.524709948	5.600466538	-1.07575659	0.024787
peak_43257	chr18	46807541	46807963	79549	intron (NM_001017558_1, intron 5 of 5)	NM_001017558_1	ets1	4.789821631	5.865702376	-1.075880745	0.029787
peak_41874	chr1	5338228	5338685	19136	intron (NM_001020643, intron 1 of 3)	NM_001020643	klf7a	5.40501031	6.480912774	-1.075902464	0.024208
peak_38673	chr9	13660513	13660971	-29473	Intergenic	NM_131139	fzd7a	5.445014594	6.521210382	-1.076195788	0.014366
peak_42603	chr3	33732841	33733208	-104760	Intergenic	NM_213330	sgsm3	4.133410493	5.209660641	-1.076250149	0.026866
peak_42664	chr17	4596933	4597455	-231755	Intergenic	NM_201084	cdc5l	4.569025676	5.64536488	-1.076339204	0.027146
peak_43754	chr4	3006270	3006929	-190262	Intergenic	NM_213494	aebp2	5.601164962	6.677516672	-1.07635171	0.032002
peak_39317	chr20	54770951	54771546	2621	exon (NM_213120, exon 2 of 5)	NM_213120	yy1b	5.636586791	6.712969136	-1.076382345	0.016111
peak_43504	chr6	31528543	31528814	188692	Intergenic	NM_201025	pgm1	4.252657886	5.329067698	-1.076409812	0.030797
peak_41004	chr1	52214120	52214765	137	5' UTR (NM_200226, exon 1 of 9)	NM_200226	rnaseh2a	6.619879036	7.696437983	-1.076558947	0.021301
peak_40038	chr12	16479140	16479734	-12619	Intergenic	NM_213095	acbd4	5.358484877	6.435315703	-1.076830826	0.018126
peak_38630	chr1	20576826	20577346	16298	intron (NM_131638, intron 2 of 10)	NM_131638	pax5	6.446275786	7.523149363	-1.076873577	0.014281
peak_38248	chr18	29966600	29967035	-55510	Intergenic	NM_001128400	si:ch73-103b9.2	5.165078501	6.24196561	-1.076887108	0.013386
peak_34727	chr5	16021601	16022747	72186	Intergenic	NM_001002154	ap3m2	8.755605226	9.833163966	-1.07755874	0.006457
peak_43833	chr12	40531836	40532207	180620	Intergenic	NM_001099246	abca5	4.608419895	5.686088083	-1.077668187	0.03231
peak_39029	chr21	1833714	1834957	-74816	Intergenic	NM_205605	wdr91	6.755964224	7.833640594	-1.07767637	0.015341

peak_36116	chr14	26965436	26966608	341	intron (NM_001001942, intron 1 of 9)	NM_001001942	sparc	8.258717125	9.336412973	-1.077695848	0.008762
peak_42681	chr9	45734335	45734919	51384	Intergenic	NM_001128265	dusp19a	5.078397056	6.156210806	-1.077813751	0.027218
peak_42366	chr5	46152163	46152655	-37022	Intergenic	NM_001111220	gas1a	6.332770826	7.410743947	-1.077973121	0.025901
peak_35090	chr18	17511427	17512680	66337	intron (NM_001080030, intron 3 of 7)	NM_001080030	si:ch211-216l23.1	7.674715001	8.752702101	-1.0779871	0.007015
peak_34540	chr7	74993322	74997526	126518	Intergenic	NM_001039641	lgi2a	7.740499606	8.8184885	-1.077988894	0.006242
peak_41257	chr16	51874274	51874621	-75752	intron (NM_001012368, intron 1 of 10)	NM_131612	pbx2	4.856738313	5.934800209	-1.078061896	0.022205
peak_34955	chr22	20627045	20628853	34	promoter-TSS (NM_212580)	NM_212580	mbd3b	7.580354708	8.658731841	-1.078377132	0.006796
peak_34612	chr9	15207435	15207899	-426601	Intergenic	NM_212966	nrp2b	6.36010728	7.438489175	-1.078381895	0.006334
peak_43405	chr14	49976944	49977316	-144405	intron (NM_001031842, intron 13 of 16)	NM_001110469	qdpra	5.231127147	6.309564752	-1.078437605	0.030429
peak_40018	chr5	16393106	16393460	-105139	Intergenic	NM_001128246	sc:d411	5.301516704	6.379983971	-1.078467266	0.018072
peak_37864	chr8	20214982	20215577	2908	TTS (NM_131271)	NM_131271	foxd1	5.50545116	6.58395813	-1.07850697	0.012438
peak_40169	chr7	10254036	10254289	147306	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	4.449046535	5.527923591	-1.078877056	0.018524
peak_41702	chr2	53497619	53498386	-27421	Intergenic	NM_207080	ralbp1	5.993783045	7.07267976	-1.078896715	0.023636
peak_38832	chr17	321202	322576	35936	Intergenic	NM_001099250	papl	6.667258602	7.746238359	-1.078979757	0.01483
peak_43556	chr7	57408370	57408937	46800	TTS (NM_212606)	NM_212606	cdh15	5.656799504	6.735883614	-1.07908411	0.031035
peak_42125	chr18	8066546	8066986	-22256	Intergenic	NM_001128535	si:ch211-220f12.4	4.742052865	5.821138205	-1.07908534	0.025088
peak_40560	chr12	44860067	44860399	-83545	Intergenic	NM_001110011_1	dock1	4.658131683	5.737246251	-1.079114568	0.019824
peak_39362	chr1	25747245	25747654	1133	intron (NM_201116, intron 1 of 8)	NM_201116	sh3gl2	5.535680191	6.614802876	-1.079122685	0.016221
peak_35837	chr12	14992141	14993261	-21761	Intergenic	NM_001128666	fkbp10b	8.152439086	9.231650586	-1.0792115	0.008271
peak_39110	chr23	27874176	27874551	-10	promoter-TSS (NM_001003441)	NM_001003441	arf3a	5.160167961	6.239428142	-1.07926018	0.015556
peak_41873	chr17	38337534	38337964	73886	intron (NM_001076632, intron 3 of 10)	NM_131298	pax9	5.155821507	6.235193276	-1.079371768	0.024205
peak_41904	chr4	43464108	43465202	-1744862	Intergenic	NM_001114884	zgc:174696	6.579895131	7.659304765	-1.079409634	0.024338
peak_42756	chr16	46384002	46384385	3616	intron (NM_001114444_1, intron 1 of 10)	NM_001114444_1	oxr1a	5.08099759	6.160604867	-1.079607277	0.027496
peak_43072	chr8	17027259	17028052	-43802	Intergenic	NM_001128408	rnf11b	6.011652845	7.091261493	-1.079608648	0.028902
peak_38332	chr1	9926080	9926815	30126	Intergenic	NM_131671	atp1b1b	6.292569356	7.372272694	-1.079703338	0.013597
peak_32914	chr3	54190877	54193495	5244	intron (NM_131549, intron 2 of 32)	NM_131549	notch3	9.007329294	10.08710571	-1.07977642	0.004303
peak_38410	chr10	13442250	13442592	-81938	intron (NM_001098242, intron 6 of 8)	NM_001099446	LOC556326	5.508835131	6.588661729	-1.079826598	0.013804
peak_42348	chr19	47067174	47067565	8878	Intergenic	NM_200669	ptpn12	4.164465597	5.244303437	-1.07983784	0.025812
peak_43538	chr20	31569653	31569933	-46585	Intergenic	NM_001044819	sash1a	4.158322191	5.238263738	-1.079941546	0.030951
peak_38888	chr18	7747398	7748127	-37266	Intergenic	NM_001100012	chkb	4.995851639	6.075813234	-1.079961595	0.014963
peak_38660	chr21	8519775	8520405	200591	Intergenic	NM_001037701	mapk10	5.863195665	6.94323609	-1.080040425	0.014341
peak_42660	chr7	16369147	16369853	153489	intron (NM_152969, intron 19 of 20)	NM_152969	igf1rb	5.886468364	6.966631719	-1.080163355	0.027125
peak_42855	chr24	10896742	10897041	41501	Intergenic	NM_001003651	zfand1	3.849893014	4.930208145	-1.080315131	0.027918
peak_40888	chr7	48091137	48091593	299460	Intergenic	NM_001195407	tshz3b	5.236385727	6.31676034	-1.080374613	0.020891
peak_34726	chr22	21420104	21421032	51744	Intergenic	NM_213337	tmem59l	8.298237793	9.378644271	-1.080406478	0.006455
peak_39804	chr9	19082999	19083433	249634	Intergenic	NM_001003476	dnajc15	5.955928698	7.036351258	-1.08042256	0.017406
peak_35827	chr13	46653404	46654011	-91407	Intergenic	NM_213133	marcksl1a	7.512586482	8.59314467	-1.080558188	0.008248
peak_41188	chr9	27283339	27283764	146392	Intergenic	NM_131023	efnb2a	5.337400409	6.418081511	-1.080681103	0.021975
peak_33343	chr13	2044436	2045191	43380	intron (NM_001013445, intron 9 of 12)	NM_001013445	lrrc1	7.853811646	8.934591811	-1.080780165	0.004755
peak_42447	chr15	4131725	4132201	-145821	Intergenic	NM_199855	rnf168	5.930496695	7.011331697	-1.080835002	0.026216
peak_40678	chr22	31875122	31875386	-61180	Intergenic	NM_205574	pvalb7	4.389328476	5.470524027	-1.081195551	0.020185
peak_34664	chr20	4333037	4333991	76520	Intergenic	NM_001076758	zgc:154018	9.205987362	10.28724727	-1.081259912	0.006401
peak_36001	chr22	986102	988919	-38836	Intergenic	NM_001146150	cacna1sa	8.012163903	9.093552021	-1.081388118	0.00853
peak_39543	chr8	235387	235952	29934	intron (NM_199992, intron 1 of 19)	NM_199992	sema6a	5.204473265	6.285927502	-1.081454238	0.016745
peak_43212	chr18	12036707	12037263	24300	intron (NM_001099985, intron 1 of 13)	NM_001099985	hipk2	4.574572524	5.656131855	-1.081559332	0.029582
peak_36050	chr5	68749520	68750188	21594	intron (NM_131302, intron 2 of 33)	NM_131302	notch1b	7.374378941	8.456061591	-1.08168265	0.008615
peak_36354	chr23	27377813	27378331	-14264	intron (NM_001214908, intron 2 of 2)	NM_001130590	stat6	7.10247233	8.184184151	-1.081711821	0.009237
peak_37909	chr16	23155659	23156610	-33689	Intergenic	NM_001110396	snx10b	6.87546266	7.957259638	-1.081796979	0.012542
peak_38230	chr5	34388559	34389450	-20139	Intergenic	NM_199754	ier5l	6.982833434	8.064934803	-1.082101369	0.013346
peak_38912	chr9	24212084	24212467	-22022	Intergenic	NM_001128329	LOC554606	5.143434108	6.225640247	-1.082206139	0.015021
peak_41547	chr8	56026492	56026996	67272	Intergenic	NM_001012365	trh	5.203280236	6.285595991	-1.082315755	0.023094
peak_38262	chr6	55938612	55939174	29987	intron (NM_001004558, intron 1 of 15)	NM_001004558	eya2	6.084260584	7.16679891	-1.082538326	0.013411
peak_40160	chr6	1355667	1356274	-11499	Intergenic	NM_183072	txnrd1	5.764113611	6.846818611	-1.082705001	0.018499
peak_43612	chr16	12621979	12622781	77465	Intergenic	NM_131602	dedd1	6.547065396	7.629825694	-1.082760299	0.031278
peak_41225	chr16	49122254	49122543	127294	Intergenic	NM_001077744	otud7b	4.397697102	5.480566315	-1.082869213	0.022098
peak_39051	chr8	30444974	30445448	3161	Intergenic	NM_131091	atoh1a	5.80764075	6.890616334	-1.082975584	0.015399
peak_34008	chr14	425202	426000	76042	Intergenic	NM_001114567	zgc:172215	7.64288355	8.725872784	-1.082989235	0.005533
peak_35545	chr11	6985398	6986284	21039	Intergenic	NM_001044853	klhl26	6.553867677	7.63699196	-1.083124283	0.007749
peak_36592	chr17	998514	999080	48531	Intergenic	NM_214820	adssl1	6.047406821	7.130659915	-1.083253094	0.009724
peak_39995	chr10	7220023	7220345	-719	promoter-TSS (NM_214768)	NM_214768	skiv2l2	5.09910867	6.182415653	-1.083306983	0.018018
peak_37127	chr13	45963316	45964268	11401	Intergenic	NM_001145701	si:ch211-168h21.1	7.749944828	8.83341563	-1.083470802	0.010828
peak_37583	chr7	45746522	45747102	35448	Intergenic	NM_200499	nae1	5.811952101	6.895492397	-1.083540296	0.011818
peak_38813	chr8	34050147	34050906	-47807	Intergenic	NM_001122711	LOC100004439	6.251198622	7.334888979	-1.083690357	0.014803
peak_43158	chr22	35243417	35243948	111896	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	6.303204414	7.386941502	-1.083737087	0.029329
peak_34791	chr4	16204278	16205386	-80752	Intergenic	NM_001033585	sox5	7.329051873	8.413099668	-1.084047795	0.006546
peak_41780	chr10	31963593	31964129	-166047	Intergenic	NM_001005580	opcml	5.229335828	6.31354238	-1.084206553	0.023894
peak_43265	chr11	5363675	5364001	-189172	Intergenic	NM_201450	cse1l	4.171803318	5.256025453	-1.084222135	0.029832
peak_32676	chr9	7926083	7927446	161096	Intergenic	NM_001009886	mnx2a	8.979660253	10.06409184	-1.084431591	0.004055
peak_32754	chr16	9015221	9016121	92481	Intergenic	NM_001077532	cnot10	9.518958908	10.60349852	-1.084539608	0.004131
peak_40890	chr17	10167174	10167536	-67644	Intergenic	NM_131432	tyro3	4.83451899	5.919235051	-1.084716061	0.020894
peak_38372	chr19	24456029	24456456	-11839	exon (NM_001044923, exon 11 of 11)	NM_213460	syt11a	4.807248169	5.891980802	-1.084732632	0.013733
peak_40813	chr7	16636461	16636857	-81	promoter-TSS (NM_131641)	NM_131641	pax6b	5.19786442	6.28260293	-1.084738511	0.020613
peak_43484	chr12	1626003	1626563	15548	Intergenic	NM_001045248	usp22	5.685780676	6.770563783	-1.084783106	0.03074
peak_42391	chr6	51233261	51233633	291347	Intergenic	NM_001130610	rbl1	5.164465597	6.249266723	-1.084801126	0.026003
peak_42019	chr7	54556571	54557010	-20522	Intergenic	NM_131025	ccnd1	5.790242159	6.875128983	-1.084886824	0.024747
peak_36813	chr3	54898631	54899334	34822	intron (NM_212717, intron 1 of 5)	NM_212717	olfm2a	6.255555206	7.340452441	-1.084897236	0.010141
peak_34045	chr18	8164399	8165153	-112427	Intergenic	NM_001002177	impdh1a	6.600698752	7.685673066	-1.084974315	0.005581
peak_43685	chr2	22012678	22013045	10641	intron (NM_001025174, intron 1 of 1)	NM_001025174	fam110b	5.290885533	6.375953429	-1.085067896	0.031646
peak_33926	chr18	84819	86610	-28766	Intergenic	NM_001030061	trpm7	8.865002376	9.950264412	-1.085262036	0.005444
peak_37528	chr19	35183657	35184221	82803	Intergenic	NM_200225	otud6b	6.655722338	7.741041079	-1.085318741	0.011728
peak_37414	chr2	31654492	31655157	56	promoter-TSS (NM_200831)	NM_200831	amph	6.490570579	7.575919599	-1.08534902	0.011475
peak_40690	chr16	47689310	47689678	45900	Intergenic	NM_001003850	rbm42	4.863595343	5.948972147	-1.085376804	0.020203
peak_36328	chr2	39651430	39651972	188437	Intergenic	NM_001005919	epha4a	6.89429522	7.979798999	-1.085503779	0.009186
peak_43676	chr1	2066488	2067215	49618	Intergenic	NM_001145604	kpnb3	4.764922485	5.850433111	-1.085510626	0.031589
peak_38744	chr4	59519374	59520136	-36751	intron (NM_001199134, intron 21 of 29)	NM_001076665_2		7.812268415	8.897848382	-1.085579967	0.014582
peak_33064	chr22	26656759	26657994	29707	Intergenic	NM_194426	pdgfaa	8.016760251	9.102352481	-1.08559223	0.004468
peak_36734	chr4	10086100	10086710	2689	intron (NM_001130603, intron 1 of 11)	NM_001130603	tmtc2	6.139990656	7.225634969	-1.085644313	0.009972
peak_43788	chr5	39342013	39342432	-2584	Intergenic	NM_001007152	dpf2	4.70702943	5.792912114	-1.085882684	0.032151
peak_37555	chr11	45616480	45617137	32487	Intergenic	NM_200298	map1lc3c	6.777614486	7.863559911	-1.085945425	0.011762
peak_36753	chr13	49524332	49525481	-122309	Intergenic	NM_182860	msh6	6.158937711	7.244904522	-1.085966812	0.010016
peak_42646	chr11	34590941	34591278	-63454	Intergenic	NM_001079969	spoplb	4.388278976	5.474248026	-1.085969049	0.027039
peak_41278	chr19	21644232	21644679	-246551	Intergenic	NM_001042746	tshz1	5.265322777	6.351376842	-1.086054065	0.022262
peak_35658	chr8	10753683	10754148	160745	Intergenic	NM_001077391	zgc:153997	6.115410482	7.201780097	-1.086369616	0.007949
peak_40347	chr18	4416695	4418189	-32130	Intergenic	NM_001002602	zdhhc7	7.926998765	9.013604791	-1.086606026	0.019069
peak_40511	chr10	42263345	42263943	41764	intron (NM_001039812, intron 8 of 19)	NM_001039812	bmp1b	5.874526102	6.961338387	-1.086812285	0.019632
peak_35775	chr22	21294277	21295433	-24061	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	7.880888177	8.967845649	-1.086957472	0.008163
peak_39435	chr6	49650023	49650399	-43716	Intergenic	NM_001017688	npepl1	5.261282285	6.348303715	-1.08702143	0.016401
peak_37940	chr15	37570437	37571087	65844	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	6.524723878	7.611829155	-1.087105277	0.012595
peak_37253	chr22	13167178	13167963	14715	intron (NM_001024816, intron 2 of 10)	NM_001024816	ahr1b	7.828335627	8.915604205	-1.087268578	0.011118
peak_41754	chr17	48407616	48408059	41269	Intergenic	NM_001201393	smoc1	4.852178391	5.939471317	-1.087292925	0.023823
peak_35115	chr5	41175654	41176313	6728	intron (NM_001115124, intron 2 of 5)	NM_001115124	si:ch211-57h10.1	6.34798116	7.435380125	-1.087398964	0.007062
peak_38134	chr21	20353972	20354560	48394	intron (NM_001014304, intron 3 of 6)	NM_001014304	pvrl3b	5.973570984	7.061406035	-1.087835051	0.013078
peak_40201	chr14	32091264	32091938	-70574	Intergenic	NM_131860	gpc4	5.388803822	6.4767036	-1.087899778	0.018613
peak_42136	chr9	5541501	5542228	-179316	Intergenic	NM_001037685	abhd13	5.47701655	6.565011038	-1.087994488	0.025127
peak_42856	chr3	50081596	50081928	78135	Intergenic	NM_001080569	hs3st3b1a	4.701125064	5.789390312	-1.088265248	0.02792

peak_37476	chr13	13463664	13464160	24347	Intergenic	NM_198916	foxi2	6.186420575	7.274722995	-1.08830242	0.011623
peak_34543	chr24	38329443	38330485	-23050	Intergenic	NM_001045443	dcakd	7.649803568	8.738141781	-1.088338213	0.006244
peak_42110	chr17	2717601	2717843	-104989	Intergenic	NM_183073	bdkrb1	4.657260644	5.745900584	-1.08863994	0.025029
peak_39932	chr3	40759127	40759588	3953	intron (NM_001001943, intron 1 of 17)	NM_001001943	smurf1	6.334374704	7.423219715	-1.088845012	0.017822
peak_41968	chr8	29748464	29749007	4	promoter-TSS (NM_001004123)	NM_001004123	grid2	6.025596405	7.11448173	-1.088885324	0.024547
peak_38411	chr5	172927	173476	20781	Intergenic	NM_001076743	zgc:153924	5.530457231	6.61951291	-1.089055678	0.013805
peak_40621	chr10	17907079	17907387	-59549	Intergenic	NM_001002632	prkab1a	4.7428742	5.831975734	-1.089101534	0.019989
peak_41401	chr1	54962633	54963105	198768	Intergenic	NM_001145690	tekt4	5.164465597	6.253669607	-1.08920401	0.022626
peak_40009	chr23	3864839	3865228	-91780	Intergenic	NM_213168	hmga1a	4.617404898	5.706612059	-1.089207161	0.018046
peak_36824	chr22	16502760	16503281	3121	exon (NM_199536, exon 3 of 11)	NM_199536	rtca	6.024901573	7.114242362	-1.089340789	0.010159
peak_41162	chr3	29172008	29172365	67792	Intergenic	NM_212894	lgals2a	5.201488841	6.290839045	-1.089350204	0.021883
peak_39366	chr18	44657034	44657508	-65356	Intergenic	NM_001030074	kcnk6	5.696444173	6.785951924	-1.089507751	0.016242
peak_35967	chr21	3062400	3063270	137106	Intergenic	NM_213302	hnrnpabb	6.322336256	7.412117466	-1.08978121	0.008476
peak_40686	chr6	54810438	54810777	8662	Intergenic	NM_001080614	csrp1b	4.525664779	5.615575564	-1.089910784	0.020198
peak_39346	chr2	1530544	1530900	91023	Intergenic	NR_111928_1		5.352577963	6.442530244	-1.089952281	0.01618
peak_35399	chr13	7967848	7969271	-16146	Intergenic	NM_001113797	socs5b	9.007839394	10.09821687	-1.090377478	0.007498
peak_41494	chr5	21515188	21515645	20077	intron (NM_001126454, intron 1 of 1)	NM_001126454	fam222a	5.294251216	6.38478427	-1.090533054	0.022885
peak_40418	chr14	49477943	49478292	73926	intron (NM_001115143, intron 2 of 21)	NM_001115143	prom1a	4.47602896	5.566765004	-1.090736043	0.019305
peak_42426	chr7	63597633	63597945	706556	Intergenic	NM_200491	tbc1d19	4.401863281	5.493062124	-1.091198843	0.026129
peak_43545	chr6	36427779	36428034	-96621	Intergenic	NM_131079	her6	4.569951633	5.661191469	-1.091239836	0.03099
peak_39947	chr3	9096534	9097180	-2716	Intergenic	NM_131836_1	sim2	7.382733486	8.474143381	-1.091409896	0.017883
peak_37679	chr1	33188607	33189264	1589	intron (NM_200909, intron 2 of 7)	NM_200909	creb1a	6.030986137	7.122469149	-1.091483012	0.011993
peak_36082	chr13	6573948	6575210	-85154	Intergenic	NM_205675	pitx3	6.494247726	7.585734337	-1.091486611	0.008685
peak_39816	chr15	18107731	18108055	-78212	Intergenic	NM_001110169_1	zgc:171957	5.065941806	6.157639712	-1.091697906	0.017457
peak_41542	chr22	36781003	36781709	538529	Intergenic	NM_001003610	nicn1	6.342286181	7.434010636	-1.091724455	0.023063
peak_40149	chr1	28108223	28110096	-33023	Intergenic	NM_200315	zgc:56306	6.869989248	7.961822887	-1.091833639	0.018453
peak_41081	chr1	14095536	14095983	110331	Intergenic	NM_001045485	pi4k2b	5.030649868	6.122502725	-1.091852857	0.02165
peak_35254	chr11	41947935	41949065	-15264	Intergenic	NM_001089510	tnfrsf1b	7.26071729	8.352574636	-1.091857346	0.007271
peak_37535	chr19	25680980	25681729	75424	intron (NM_001100009, intron 1 of 5)	NM_001100009	rims3	6.831444699	7.923370405	-1.091925705	0.011735
peak_33067	chr6	2759771	2760735	-330980	Intergenic	NM_200334	hyi	7.609532951	8.701508411	-1.09197546	0.004469
peak_43068	chr1	60249911	60250819	12903	intron (NM_001190758, intron 17 of 63)	NM_001190758	col5a3b	5.864328318	6.956383044	-1.092054726	0.028882
peak_42533	chr10	6088730	6089197	-18471	Intergenic	NM_001277085	nrg1	5.912723933	7.004867445	-1.092143511	0.026578
peak_43656	chr24	41349568	41350011	-75763	Intergenic	NM_001045408_1	zgc:153659	5.818245712	6.910428972	-1.09218326	0.031501
peak_39479	chr2	59732478	59732985	-56676	intron (NM_212882_1, intron 7 of 9)	NM_200714	ndufa13	5.013695992	6.106028978	-1.092332985	0.016531
peak_39485	chr2	53143706	53144242	35097	intron (NM_001007773, intron 1 of 6)	NM_001007773	gna11b	5.854460154	6.946834678	-1.092374524	0.016587
peak_35941	chr20	30907725	30908370	18808	Intergenic	NM_200198	hebp2	7.08263001	8.175065089	-1.09243508	0.008433
peak_39247	chr20	7879519	7880270	117827	Intergenic	NM_001244756	bloc1s2	5.907950368	7.000389236	-1.092438868	0.01595
peak_38205	chr22	41777880	41779213	13834	TTS (NM_001114476_2)	NM_001114476_2	mark1	6.905007389	7.997457768	-1.092450379	0.013288
peak_38631	chr2	38459892	38460870	-34651	Intergenic	NM_001245990	gig2q	5.376652936	6.469148238	-1.092495302	0.014284
peak_40365	chr6	18908065	18908347	-49368	Intergenic	NM_001098259	si:rp71-81e14.2	4.524709948	5.617566004	-1.092856056	0.019123
peak_37718	chr11	15957875	15958409	-17229	Intergenic	NM_212975	gdf11	6.222562938	7.315625153	-1.093062215	0.012081
peak_35285	chr11	5497430	5498132	-55229	Intergenic	NM_201450	cse1l	7.834728473	8.927967425	-1.093238952	0.007306
peak_39534	chr24	34134875	34135257	-264994	Intergenic	NM_199215	ca2	5.166915653	6.260156748	-1.093241095	0.016711
peak_36399	chr20	45127070	45127876	423649	Intergenic	NM_001013534	zgc:103511	6.886293367	7.979661472	-1.093368105	0.009328
peak_34785	chr3	13409736	13410229	-105167	Intergenic	NR_045224		5.996884825	7.090844191	-1.093959367	0.006539
peak_36782	chr20	8188787	8189572	407870	Intergenic	NM_001040685	dab1a	7.244698181	8.338862719	-1.094164538	0.010084
peak_37435	chr5	36654618	36655138	39217	Intergenic	NM_212913	foxd1l	5.607492003	6.70166131	-1.094169308	0.011512
peak_33142	chr25	38153935	38154703	-5660	Intergenic	NM_199895	nfat5a	8.169527651	9.263759573	-1.094231922	0.004546
peak_33766	chr1	22934275	22935132	84222	Intergenic	NM_152975	mab21l2	7.250629663	8.3448925	-1.094262836	0.005223
peak_35499	chr2	28352162	28352902	-209172	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	7.41563103	8.50989405	-1.094263021	0.007663
peak_38016	chr6	6156453	6157270	8813	intron (NM_001079912, intron 3 of 6)	NM_001201446	rtn4a	6.522784438	7.617083262	-1.094298824	0.012813
peak_39326	chr7	14872851	14873377	3823	intron (NM_001045106, intron 1 of 15)	NM_001045106	furina	6.04105741	7.135710806	-1.094653396	0.016124
peak_39547	chr20	26780546	26781011	48796	intron (NM_001102475, intron 7 of 10)	NM_131729	foxc1b	5.385095197	6.479943781	-1.094848584	0.016761
peak_37055	chr9	56815995	56816522	-37484	Intergenic	NM_001013334	gpm6bb	5.149641103	6.244673331	-1.095032228	0.010673
peak_35196	chr16	8956268	8957268	33578	Intergenic	NM_001077532	cnot10	7.981002084	9.076112069	-1.095109986	0.007181
peak_39159	chr19	44555753	44556595	-24300	Intergenic	NM_001076740	cyhr1	6.622099719	7.71724833	-1.095148612	0.015707
peak_37186	chr16	42863507	42864208	-103734	Intergenic	NM_001017358	rspo3	7.067736112	8.162977928	-1.095241816	0.010983
peak_38754	chr19	24849011	24849480	-30980	Intergenic	NM_001083107	si:dkey-81h8.1	5.383516031	6.478825393	-1.095309361	0.014615
peak_42342	chr17	53479107	53479392	46685	intron (NM_001076722, intron 10 of 10)	NM_131896_1	meis2a	4.520884289	5.616278957	-1.095394667	0.025796
peak_43154	chr8	54771425	54771861	-10144	Intergenic	NM_131256	nr6a1a	5.777024883	6.872682067	-1.095657185	0.02931
peak_38975	chr9	44829629	44830033	-41362	Intergenic	NM_200921	ube2e3	5.093967964	6.189679428	-1.095711464	0.01521
peak_32276	chr25	4378069	4378896	-66927	Intergenic	NM_131786	cry3	8.200421031	9.296161292	-1.095740262	0.003667
peak_34345	chr6	54146768	54147376	4271	intron (NM_001033728, intron 1 of 9)	NM_001033728	pacsin1b	7.089920173	8.185699507	-1.095779334	0.005977
peak_34778	chr25	445646	447344	-29256	intron (NM_001077771_1, intron 2 of 2)	NM_183342	prickle1a	9.49494694	10.59088929	-1.095942353	0.006529
peak_35844	chr15	25228940	25229589	-2989	Intergenic	NR_030247		6.775219496	7.871234023	-1.096014527	0.008286
peak_32962	chr23	590317	591302	140	5' UTR (NM_001111231, exon 1 of 3)	NM_001111231	kcnk15	7.223315965	8.319336263	-1.096020298	0.004364
peak_37184	chr22	11380110	11380723	126113	Intergenic	NM_205626	bcor	6.384847471	7.480951463	-1.096103992	0.01098
peak_38097	chr25	58016	58997	-17632	intron (NM_180969_1, intron 1 of 10)	NM_001033096	aqp9a	6.334935415	7.431049648	-1.096114232	0.012983
peak_43953	chr7	9237179	9237658	-22729	intron (NM_001020496, intron 1 of 4)	NM_001130647	zgc:194686	3.854460154	4.95060172	-1.096141567	0.032741
peak_43255	chr17	31542557	31542977	-247	promoter-TSS (NM_001006660)	NM_001006660	ltk	4.619195203	5.715772051	-1.096576848	0.029783
peak_41954	chr4	4598585	4598986	26445	exon (NM_001080651, exon 3 of 12)	NM_001080651	creb3l2	6.066598018	7.163325795	-1.096727777	0.024522
peak_41375	chr8	33087035	33087582	107025	intron (NM_001159661, intron 14 of 28)	NM_001159661	zgc:91897	4.99171148	6.088463269	-1.096751789	0.02256
peak_41272	chr8	2872157	2872614	54933	Intergenic	NM_001126405	naif1	5.000666855	6.097505626	-1.096838771	0.022245
peak_41633	chr16	49066568	49066943	71651	Intergenic	NM_001077744	otud7b	4.659872185	5.756752251	-1.096880066	0.023405
peak_43238	chr23	5949701	5950441	-116800	Intergenic	NM_205567	csrp1a	6.938626704	8.035615396	-1.096988692	0.029699
peak_43517	chr23	17483020	17483775	-42366	intron (NM_001080652, intron 2 of 7)	NM_001136250	zgc:194282	5.943835852	7.041370067	-1.097534215	0.030839
peak_35913	chr20	36131024	36132417	114	exon (NM_001030185, exon 1 of 3)	NM_001030185	ptchd4	7.694310339	8.791924552	-1.097614213	0.008379
peak_41886	chr3	34255878	34256427	6919	TTS (NM_001003645)	NM_213046		4.738762843	5.836431996	-1.097669153	0.02429
peak_33756	chr11	42176119	42177218	27749	Intergenic	NM_001007408	ccdc114	8.249542243	9.347297513	-1.09775527	0.005214
peak_42104	chr1	24627132	24627447	-13912	Intergenic	NM_001017725	gucy1a3	4.631717254	5.729552703	-1.097835448	0.025014
peak_43936	chr10	18007273	18007676	40692	Intergenic	NM_001002632	prkab1a	4.965128785	6.062973487	-1.097844702	0.032688
peak_34886	chr25	31186534	31187020	1090	intron (NM_200881, intron 1 of 10)	NM_200881	hsd17b12a	6.065285294	7.163305398	-1.098020104	0.006698
peak_38919	chr10	39278631	39279030	-12206	Intergenic	NM_001202415	bhlha9	4.922181637	6.020339364	-1.098157727	0.015047
peak_39774	chr11	29367757	29368168	123486	Intergenic	NM_001006070	dhrs3b	5.841865564	6.94003829	-1.098172726	0.01733
peak_39188	chr10	26968757	26969388	-109093	Intergenic	NM_001017649	arfip2b	6.096200529	7.194546515	-1.098345986	0.015791
peak_41320	chr13	46531296	46532160	-2872	Intergenic	NM_199514	olig4	5.391425188	6.489809153	-1.098383965	0.022363
peak_37683	chr5	14955561	14956063	28839	Intergenic	NM_001002703	snrnp27	5.891705386	6.990089417	-1.098384031	0.012007
peak_35439	chr10	46357206	46357710	1966	exon (NM_183074, exon 2 of 3)	NM_183074	ved	6.87340143	7.971786719	-1.098385289	0.007556
peak_40967	chr17	38308915	38309172	102592	intron (NM_001076632, intron 2 of 10)	NM_131298	pax9	4.196066283	5.294452334	-1.09838605	0.021162
peak_41282	chr19	27264077	27264456	-8734	Intergenic	NM_201347	prrc2a	4.496684491	5.595089042	-1.098404551	0.022264
peak_39474	chr18	32369753	32370296	14160	Intergenic	NM_001144796	c3orf33	6.587015527	7.685424186	-1.098408659	0.016518
peak_37103	chr5	36811981	36812353	6414	intron (NM_001020781, intron 1 of 26)	NM_001020781	fcho2	5.526141958	6.624576015	-1.098434057	0.010783
peak_40773	chr19	47530025	47530534	18565	intron (NM_001177934, intron 2 of 7)	NM_001177934	trps1	4.974990219	6.07344038	-1.098450161	0.020501
peak_35301	chr6	55502092	55502885	-68924	Intergenic	NM_200550_1	ctsa	6.093627279	7.192225132	-1.098597853	0.00732
peak_32086	chr4	60178661	60179479	-67057	Intergenic	NM_201580	nup50	9.235759537	10.33442021	-1.098660668	0.003499
peak_38934	chr13	43709604	43709960	102402	exon (NM_214809, exon 16 of 69)	NM_001077581	zgc:153073	4.944529182	6.043614164	-1.099084982	0.015088
peak_36182	chr12	2659845	2660391	127144	Intergenic	NM_131721	mapk8b	6.35446006	7.453621956	-1.099161896	0.008893
peak_42682	chr2	40254856	40255246	173152	intron (NM_153658, intron 12 of 15)	NM_153658	epha4b	4.982659603	6.08183943	-1.099179828	0.027221
peak_39883	chr25	597488	598023	-56719	Intergenic	NM_001098393	zgc:162740	5.918187865	7.017636411	-1.099448547	0.017656
peak_35882	chr16	15554834	15556715	13702	Intergenic	NM_001077298	leng9	8.424898969	9.524500115	-1.099601146	0.008331
peak_33617	chr9	54430680	54432236	-216464	Intergenic	NM_001017360	xrcc5	8.399528882	9.49917521	-1.099646328	0.005043
peak_38880	chr7	15509574	15510281	96451	Intergenic	NM_001002518	mrpl46	5.926164383	7.025866299	-1.099701915	0.014948
peak_43356	chr16	25563230	25563554	20205	Intergenic	NM_001012497	slc50a1	4.66594746	5.76586414	-1.099916681	0.030252
peak_42170	chr9	29216515	29216763	-49439	Intergenic	NM_131134	fzd5	4.221107285	5.321396264	-1.100288979	0.025237
peak_37198	chr6	11824264	11824823	-93137	intron (NM_001099261, intron 2 of 2)	NM_001077769	wdsub1	5.783449089	6.883756186	-1.100307097	0.011004

peak_37970	chr10	22258721	22259331	-1916	Intergenic	NM_170766	tlx3b	6.022874244	7.123302747	-1.100428502	0.012691
peak_41756	chr23	36076160	36076498	-21503	Intergenic	NM_001110166	calcoco1a	4.438945476	5.539409277	-1.100463802	0.023824
peak_34846	chr12	30862663	30863406	74754	Intergenic	NM_001111150	bms1l	6.996368324	8.096851273	-1.100482949	0.006627
peak_36780	chr20	42234734	42235485	38051	Intergenic	NM_001002356	nus1	6.863217699	7.963996776	-1.100779077	0.010079
peak_35010	chr17	36495921	36496471	200338	Intergenic	NM_001007331	colec11	6.351501375	7.452353904	-1.100852529	0.006891
peak_40640	chr9	2590951	2592366	1244	exon (NM_212960, exon 1 of 2)	NM_212960	sp9	6.269033671	7.369919942	-1.100886271	0.020046
peak_32467	chr1	39914850	39916125	8751	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	8.946318255	10.04773562	-1.101417364	0.003861
peak_42400	chr6	14787268	14788052	-62350	Intergenic	NM_201447	pou3f3b	6.74678111	7.848198482	-1.101417372	0.026029
peak_39679	chr5	19181699	19182023	-377126	Intergenic	NM_001100015	chfr	4.47306213	5.574515152	-1.101453021	0.017066
peak_38487	chr16	127307	128147	-66111	Intergenic	NM_200627_1	cdkal1	6.043726067	7.145205008	-1.101478941	0.013959
peak_38539	chr12	46672375	46673695	-51600	Intergenic	NM_212942	fbxl15	7.315719191	8.417249523	-1.101530333	0.014078
peak_42842	chr20	39967739	39968203	-153226	Intergenic	NM_001082853	rnf217	5.065941806	6.167481787	-1.101539982	0.027843
peak_42192	chr3	6664325	6664713	-100525	Intergenic	NM_001089460	pkn1b	4.889831022	5.991572827	-1.101741805	0.025296
peak_42535	chr8	17549600	17550055	36901	Intergenic	NM_001002530	rab3c	6.118280195	7.220176976	-1.101896781	0.026599
peak_32634	chr4	8243519	8244525	208	intron (NM_212824, intron 1 of 2)	NM_212824	chst11	7.902880035	9.004815714	-1.101935679	0.004013
peak_41086	chr14	14946580	14947186	7188	exon (NM_001013321, exon 2 of 5)	NM_001013321	smtnl1	6.105546154	7.207496527	-1.101950373	0.021656
peak_42127	chr6	47133025	47133493	-254835	Intergenic	NM_001014317	igfn1.1	5.271597171	6.373616253	-1.102019082	0.025091
peak_40335	chr18	3848288	3849370	460172	Intergenic	NM_200555	pdcd10a	6.069219889	7.171414914	-1.102195025	0.019034
peak_39174	chr15	10305476	10305852	118733	Intergenic	NM_001002694	prcp	4.888347099	5.990563959	-1.10221686	0.015765
peak_38483	chr15	46264858	46269660	-58070	Intergenic	NM_001039832_1	lsamp	9.834340386	10.93657999	-1.102239599	0.013951
peak_36933	chr6	43819609	43820023	-5820	Intergenic	NM_001039637	foxp1b	6.336840655	7.439208803	-1.102368148	0.010406
peak_39118	chr11	40846077	40846615	-409784	Intergenic	NM_001040387	wnt4a	6.931768345	8.034186988	-1.102418643	0.015598
peak_40820	chr9	46340747	46341512	279493	Intergenic	NM_001040004	retsatl	5.446527893	6.54916119	-1.102633297	0.02063
peak_40102	chr24	36354433	36354889	-323760	Intergenic	NM_001030067	pcmtd1	5.5810438	6.683784223	-1.102740423	0.018318
peak_43960	chr7	70308049	70309148	28399	intron (NM_200529, intron 3 of 4)	NM_200529	marveld3	5.943478641	7.046228054	-1.102749413	0.032755
peak_43689	chr18	45476055	45476337	-271889	Intergenic	NM_199925	zgc:77304	4.192463273	5.295214899	-1.102751626	0.031658
peak_32871	chr19	43811843	43812715	-196	promoter-TSS (NM_001045041)	NM_001045041	si:ch211-191i18.2	8.405590159	9.508372962	-1.102782803	0.00425
peak_43590	chr17	51801169	51801491	13555	exon (NM_001006065, exon 4 of 9)	NM_001006065	tssc1	4.074449378	5.177246873	-1.102797494	0.031172
peak_43525	chr13	16973643	16973937	402158	intron (NM_001020701, intron 6 of 6)	NM_001145600	kcnma1a	4.47207183	5.574901016	-1.102829186	0.030867
peak_33019	chr3	6535723	6537121	9015	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	7.999469569	9.102303023	-1.102833454	0.00442
peak_32957	chr11	21689671	21691048	-3913	Intergenic	NM_001089549	zgc:162182	7.98319624	9.086160617	-1.102964376	0.004361
peak_41246	chr21	14160941	14161429	-29106	Intergenic	NM_131218	lhx5	6.256418235	7.35946362	-1.103045385	0.022168
peak_39112	chr5	13386744	13387151	-72949	intron (NM_001144041, intron 18 of 19)	NM_131660	nos1	5.054701687	6.157968746	-1.10326706	0.015564
peak_36651	chr16	20835992	20836606	-95381	Intergenic	NM_199736	slc6a19b	5.907196485	7.010758589	-1.103562104	0.009834
peak_39468	chr11	11559202	11559800	20085	Intergenic	NM_001040359	zgc:136902	6.855800591	7.959385378	-1.103584787	0.016484
peak_43804	chr15	38353051	38353556	-139650	Intergenic	NM_131633	robo2	5.538048028	6.641857702	-1.103809674	0.03221
peak_41392	chr12	8486680	8487409	-187797	Intergenic	NM_200241	ccdc6b	5.696892816	6.800745073	-1.103852257	0.022605
peak_43721	chr22	34300407	34301030	15117	intron (NM_001037661_1, intron 9 of 9)	NM_001037661_1	slc6a6b	5.583365151	6.687288624	-1.103923473	0.03185
peak_40422	chr9	46995101	46995736	87917	intron (NM_001039358, intron 20 of 24)	NM_001005956	twist2	6.271044506	7.375129265	-1.104084759	0.019321
peak_41950	chr2	49577751	49578351	16124	intron (NM_001002688, intron 3 of 4)	NM_001002688	cdc34b	5.639702778	6.74410251	-1.104399732	0.024518
peak_39292	chr3	34415504	34416109	96453	Intergenic	NM_213197	znf207a	6.452092413	7.556706636	-1.104614223	0.016043
peak_38438	chr18	36840637	36841273	82627	Intergenic	NM_001089357	alx4b	6.418211643	7.523033852	-1.104822208	0.013868
peak_32023	chr7	69208073	69209425	-58332	Intergenic	NM_001007441	znf143a	9.153409152	10.25826402	-1.104854865	0.003447
peak_40947	chr4	2811076	2811334	5132	intron (NM_213494, intron 1 of 7)	NM_213494	aebp2	4.163239007	5.26828226	-1.105043253	0.021112
peak_34320	chr12	19707174	19707724	7	promoter-TSS (NM_200830)	NM_200830	rgs9b	6.729225753	7.834321715	-1.105095962	0.005935
peak_35977	chr18	1754655	1755467	-57364	Intergenic	NM_001030257	rab27a	6.961957897	8.067074629	-1.105116731	0.00849
peak_34858	chr10	4122650	4124431	69462	Intergenic	NM_200920	pitpnb	8.298525287	9.403672529	-1.105147242	0.00665
peak_42968	chr18	11081324	11081628	419008	Intergenic	NM_001013335	zgc:110789	4.263000995	5.368166068	-1.105165073	0.028483
peak_39680	chr7	8700716	8701083	-58192	Intergenic	NM_001115068	cxcl-c13d	4.791410378	5.896587992	-1.105177614	0.017071
peak_33794	chr13	41815347	41816303	181254	intron (NM_001012482, intron 30 of 35)	NM_001281800	dkk1a	6.508352192	7.613601199	-1.105249007	0.005249
peak_42796	chr1	4833519	4833820	-165179	Intergenic	NM_001145693	abcb6a	4.468103815	5.57339532	-1.105291505	0.027682
peak_36299	chr10	46080791	46081986	199099	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	7.365199172	8.470562549	-1.105363376	0.009127
peak_36010	chr17	44286294	44286895	9501	Intergenic	NM_131251	otx2	6.087155137	7.192538963	-1.105383826	0.008552
peak_32978	chr7	20345905	20347127	11512	intron (NM_212868, intron 1 of 15)	NM_212868	kirrela	9.09866293	10.20433954	-1.105676611	0.004378
peak_39729	chr14	51872526	51873134	83210	intron (NM_001017782_1, intron 14 of 17)	NM_001123045	tspan17	5.395609492	6.501310197	-1.105700705	0.017219
peak_41574	chr14	18738402	18739523	-2716	Intergenic	NM_001256194	slbp	6.185834292	7.291606963	-1.105772672	0.023216
peak_41925	chr11	30924757	30925381	-53271	Intergenic	NM_001007297	ace2	5.700677736	6.806636505	-1.105958769	0.024414
peak_34856	chr12	26678573	26678974	-883	promoter-TSS (NM_199818)	NM_199818	rhoq	6.310995162	7.417104621	-1.10610946	0.006649
peak_43814	chr8	28074708	28075269	208325	Intergenic	NM_001130795	si:ch211-254n4.3	5.191260267	6.297384819	-1.106124552	0.032224
peak_38159	chr3	6550064	6551149	13388	intron (NM_001089460, intron 1 of 20)	NM_001089460	pkn1b	6.150569853	7.256939015	-1.106369161	0.013155
peak_35305	chr24	444779	445685	-4817	intron (NM_001013328, intron 2 of 4)	NM_001115059	tgfbr1b	6.001716617	7.108099776	-1.10638316	0.007328
peak_36686	chr18	45552103	45552561	-195753	Intergenic	NM_199925	zgc:77304	5.984417232	7.090851855	-1.106434624	0.009884
peak_41803	chr3	31567854	31568178	-169564	Intergenic	NM_200658	ccdc43	5.017094822	6.123655394	-1.106560572	0.023971
peak_40252	chr11	25327446	25327770	34188	intron (NM_001044917, intron 3 of 14)	NM_001044917	dvl1b	4.31265569	5.41925431	-1.10659862	0.018777
peak_32982	chr5	8697172	8697716	138284	Intergenic	NM_001002654	pdlim5a	6.961781532	8.06881163	-1.107030097	0.004384
peak_34738	chr15	46156566	46157355	16322	intron (NM_130973, intron 10 of 19)	NM_130973	chd	6.48835407	7.595439451	-1.107085381	0.006467
peak_43436	chr10	32172780	32173172	15079	intron (NM_153654, intron 1 of 10)	NM_153654	pknox2	4.218747627	5.325866434	-1.107118807	0.030557
peak_41730	chr2	14860434	14861231	1599	intron (NM_001114723, intron 1 of 6)	NM_001114723	si:dkey-10f21.4	6.288339697	7.395477028	-1.10713733	0.023732
peak_32140	chr13	27990290	27991843	-1760	Intergenic	NM_001013529	asrgl1	8.596378209	9.703590204	-1.107211995	0.00353
peak_42281	chr2	55819818	55820706	-19887	Intergenic	NM_201465	calr3b	6.451324217	7.558539418	-1.107215201	0.025585
peak_43636	chr12	10162109	10162463	30006	intron (NM_200119, intron 3 of 26)	NM_200119	erbb2	4.652897542	5.760117409	-1.107219867	0.031396
peak_40381	chr23	4096114	4096590	23376	intron (NM_001045332, intron 1 of 8)	NM_001045332	b4galt5	5.812366229	6.919759168	-1.107392939	0.019176
peak_40916	chr19	10770248	10770953	47489	Intergenic	NM_001197060	dbpa	4.423600265	5.530993251	-1.107392986	0.020993
peak_34754	chr18	246674	252330	2056	intron (NM_001083019, intron 3 of 9)	NM_001083019	zgc:158482	10.2329951	11.34040652	-1.107411419	0.006496
peak_39868	chr16	36025304	36026082	-61476	Intergenic	NM_199998	utp11l	4.809602052	5.917072523	-1.107470471	0.017599
peak_41350	chr6	4973122	4973557	541139	Intergenic	NM_201285	pou4f1	5.004096482	6.111580221	-1.107483739	0.02248
peak_38580	chr23	3058000	3058559	132714	Intergenic	NM_001089467	zgc:158828	6.528315104	7.635897203	-1.107582099	0.014167
peak_43753	chr14	50977696	50977897	-1256	Intergenic	NM_001002065_1	ppid	3.95594936	5.063714155	-1.107764795	0.031995
peak_42448	chr23	42732934	42733319	101138	intron (NM_001127473, intron 2 of 3)	NM_001079852	cyp2aa3v1	4.279010388	5.386886337	-1.107875949	0.026219
peak_40361	chr11	16772992	16774073	171932	Intergenic	NM_001030143	slc25a26	5.068564868	6.176477866	-1.107912999	0.019113
peak_37541	chr5	31763	32607	66793	Intergenic	NM_001034985	dcc	5.856760446	6.964725356	-1.107964909	0.011745
peak_34368	chr1	20559068	20559831	-1339	Intergenic	NM_131638	pax5	6.422062711	7.530058813	-1.107996102	0.006003
peak_36297	chr13	40432980	40433561	-42235	Intergenic	NM_001128272	zgc:171482	5.496197467	6.60420121	-1.108003742	0.009118
peak_37336	chr3	30879833	30880849	159193	Intergenic	NM_001098186	suv420h2	6.226108781	7.33417709	-1.10806831	0.011289
peak_36845	chr10	9146551	9146966	-36542	Intergenic	NM_001015063	snx18b	5.790616223	6.898850939	-1.108234716	0.010228
peak_43038	chr14	18686995	18687413	-41560	Intergenic	NM_001018105	ogt.1	5.369726015	6.478418244	-1.108692229	0.028796
peak_39634	chr22	32879771	32880428	-140150	intron (NM_199663, intron 4 of 17)	NM_131237	mxi1	5.913432374	7.022187629	-1.108755255	0.016959
peak_42986	chr3	24773923	24775032	-28723	Intergenic	NM_001003063	dnal4a	6.228180301	7.337014097	-1.108833796	0.028583
peak_38628	chr13	17902563	17903529	6362	intron (NM_001161435, intron 1 of 5)	NM_001111193	Mar-08	7.097664697	8.206658297	-1.1089936	0.014279
peak_37206	chr16	23838095	23838549	33688	Intergenic	NM_001077253	gnl1	5.786638878	6.895773864	-1.109134986	0.011018
peak_43635	chr10	21156679	21157246	286314	Intergenic	NM_001201442	avd	3.494735408	4.603889715	-1.109154307	0.031392
peak_36426	chr24	17797492	17797871	-8231	Intergenic	NM_001008734	commd3	6.445771442	7.555028369	-1.109256927	0.009397
peak_38563	chr13	3346664	3347127	-178614	Intergenic	NM_001017635	park2	5.341744134	6.451148901	-1.109404767	0.014127
peak_42686	chr4	11947461	11947783	-21117	Intergenic	NM_212680	hmga2	5.009606799	6.119056216	-1.109449417	0.027236
peak_37227	chr14	2336616	2337440	27169	Intergenic	NR_039355		5.940954807	7.050507317	-1.10955251	0.011062
peak_43017	chr13	50672081	50672568	-52543	Intergenic	NM_001291761	ggps1	4.859770274	5.96933695	-1.109566676	0.028697
peak_43298	chr25	30834408	30834895	156348	Intergenic	NM_001083030	brd1b	5.847222157	6.956962739	-1.109740582	0.029984
peak_37981	chr14	29135907	29136484	-33792	Intergenic	NM_200688	zgc:64189	6.150587908	7.260379258	-1.10979135	0.01271
peak_42095	chr15	300103	300692	93497	Intergenic	NM_001042691	limk1a	4.785842092	5.895785429	-1.109943337	0.024986
peak_43548	chr20	47908195	47908488	-26277	Intergenic	NM_200967	efhc1	4.417440195	5.527434131	-1.109993936	0.03101
peak_41045	chr3	58191379	58191814	48251	Intergenic	NM_199950	socs3a	4.542799588	5.652916191	-1.110116603	0.021481
peak_37404	chr11	5129150	5129681	-304739	Intergenic	NM_001077310		5.364398841	6.474584298	-1.110185457	0.011445
peak_37587	chr10	39087828	39088451	-202897	intron (NM_212796, intron 11 of 16)	NM_001202415	bhlha9	5.902404565	7.012602874	-1.110198309	0.011823
peak_41046	chr7	76394275	76394665	-61019	Intergenic	NM_001110109	cbln8	5.113824016	6.224079718	-1.110255702	0.021483
peak_33558	chr24	9091051	9091664	3291	intron (NM_199567, intron 2 of 2)	NM_199567	tgif1	7.653642929	8.763992083	-1.110349154	0.004975

peak_33726	chr8	31415092	31415558	-52636	intron (NM_001123253, intron 8 of 22)	NM_001039816	specc1la	6.54160628	7.651972372	-1.110366093	0.005179
peak_41606	chr3	62552248	62552591	196585	Intergenic	NM_001105129	srebf1	4.771377205	5.881794575	-1.110417371	0.023322
peak_43258	chr9	18167706	18168150	131710	intron (NM_001128338, intron 33 of 44)	NM_001128338	vwa8	4.878620615	5.989242329	-1.110621714	0.02979
peak_31961	chr20	43364798	43365858	-45514	Intergenic	NM_001044916	unc93a	8.810437656	9.921266364	-1.110828707	0.003396
peak_40540	chr24	29710261	29710614	-76736	intron (NM_001083844, intron 53 of 65)	NM_001111172	olfm3a	4.193665276	5.304500847	-1.110835571	0.019758
peak_41791	chr5	29167132	29167632	-2686	Intergenic	NM_205585	sfrp1a	5.439929223	6.550859291	-1.110930068	0.023926
peak_43883	chr10	44275303	44275812	11039	Intergenic	NM_198370	zcchc9	5.389328476	6.500299386	-1.11097091	0.0325
peak_42226	chr11	5153462	5153965	-329037	Intergenic	NM_001077310		4.89727087	6.008250632	-1.110979762	0.025405
peak_35411	chr22	11251548	11252113	-2473	Intergenic	NM_205626	bcor	6.656594306	7.767628913	-1.111034607	0.007517
peak_43266	chr18	8639362	8639776	3188	intron (NM_131048, intron 1 of 17)	NM_131048	sema3d	4.981964068	6.093455236	-1.111491168	0.029833
peak_35717	chr17	18110981	18111760	163246	Intergenic	NM_001099260	bcl11ba	5.652435006	6.763954004	-1.111518998	0.008054
peak_34099	chr8	8962385	8963233	-50163	Intergenic	NM_001030157	comta	7.857424222	8.969171981	-1.111747759	0.005641
peak_37663	chr10	36212980	36215170	37634	Intergenic	NM_213285	nsun5	7.0420782	8.153888507	-1.111810307	0.011965
peak_38204	chr19	39862037	39862569	106169	Intergenic	NM_001044795	smap2	5.841076335	6.953047435	-1.1119711	0.013288
peak_43216	chr9	38204267	38204929	10453	intron (NM_130967, intron 1 of 13)	NM_130967	gli2a	5.545128308	6.657116868	-1.11198856	0.029602
peak_39349	chr20	43367352	43367810	-43261	Intergenic	NM_001044916	unc93a	6.49934601	7.611447169	-1.112101159	0.016192
peak_40134	chr5	51308655	51309043	-218724	Intergenic	NM_131180	nr2f1a	4.980571993	6.092724042	-1.11215205	0.018419
peak_42333	chr18	11505888	11506952	-5936	Intergenic	NM_001013335	zgc:110789	7.373053275	8.485448402	-1.112395127	0.02575
peak_33910	chr11	27150705	27151327	-145981	Intergenic	NM_001045240	ppcs	6.240753282	7.353169425	-1.112416142	0.005425
peak_43848	chr6	20570610	20571035	-265793	Intergenic	NM_178131	scinla	4.776199364	5.888644217	-1.112444854	0.032366
peak_42696	chr18	6252843	6253303	16992	exon (NM_001281989, exon 13 of 51)	NM_001281989	vwf	5.121460037	6.233940626	-1.112480589	0.027273
peak_36836	chr7	64687227	64687633	604552	Intergenic	NM_131287	sox17	5.30988708	6.422582703	-1.112695624	0.010202
peak_43901	chr2	35669405	35669961	68250	intron (NM_173277, intron 3 of 27)	NM_173277	lamc1	5.35096278	6.463681559	-1.112718779	0.03257
peak_40767	chr17	36259161	36259694	-200692	Intergenic	NM_131336	sox11a	5.660306983	6.773139813	-1.11283283	0.020478
peak_38098	chr16	39003512	39004169	-200885	Intergenic	NM_001200061	LOC100005807	5.814298329	6.927145183	-1.112846854	0.012986
peak_36343	chr22	19210611	19211256	57419	Intergenic	NM_198142	bsg	5.775018757	6.887972681	-1.112953923	0.009218
peak_34990	chr7	24669839	24670456	7055	intron (NM_001020521, intron 1 of 6)	NM_001020521	zgc:109889	6.703435212	7.816396201	-1.11296099	0.006852
peak_37545	chr20	35100758	35101231	-9	promoter-TSS (NM_130960)	NM_130960	lft1	5.817443452	6.930477992	-1.11303454	0.011752
peak_35084	chr5	24415855	24417000	-89	promoter-TSS (NM_001161484)	NM_001161484	mtnr1c	7.051897253	8.16500799	-1.113110737	0.007012
peak_42248	chr9	49339320	49340128	18417	intron (NM_001159842, intron 3 of 35)	NM_001159842	col28a1a	5.443470232	6.556637721	-1.11316749	0.025461
peak_34012	chr23	2567554	2568641	-41097	Intergenic	NM_130989	snai1b	6.856950128	7.970308827	-1.113358699	0.005537
peak_38929	chr17	47368952	47369380	601646	Intergenic	NM_001006009	zgc:103755	4.47207183	5.585472714	-1.113400885	0.015069
peak_36006	chr15	31024142	31024689	42115	Intergenic	NM_001177456	lgr8.2	7.133253891	8.246884283	-1.113630392	0.008538
peak_38814	chr7	32914616	32914964	-138854	Intergenic	NM_001199362	cilp	5.211017346	6.324756643	-1.113739297	0.014803
peak_37544	chr6	46673058	46673460	-695	promoter-TSS (NM_199997)	NM_199997	tarbp2	4.846840202	5.960815407	-1.113975205	0.011747
peak_39096	chr20	43361627	43362219	-48919	Intergenic	NM_001044916	unc93a	6.014356557	7.128365131	-1.114008575	0.015516
peak_38077	chr10	3212044	3212664	-26789	intron (NM_001034972, intron 39 of 53)	NM_199816	ckmt2a	6.059363209	7.173473897	-1.114110688	0.01294
peak_38502	chr2	59947638	59947980	-5149	intron (NM_212882_1, intron 8 of 9)	NR_030000		4.83451899	5.948692128	-1.114173138	0.013986
peak_38720	chr6	4774239	4774809	342324	Intergenic	NM_201285	pou4f1	5.101031722	6.215445918	-1.114414196	0.014506
peak_38618	chr21	43756309	43757455	-63337	intron (NM_001012389, intron 2 of 10)	NM_001127465	fnip1	6.667474907	7.781940777	-1.114465869	0.014258
peak_34964	chr2	54455254	54455924	30249	Intergenic	NM_001017676	capsla	6.10584679	7.220430858	-1.114584068	0.006805
peak_39206	chr7	12910462	12910971	-26123	Intergenic	NM_001080993	mex3b	6.409657674	7.524471196	-1.114813522	0.01584
peak_40541	chr12	50355331	50356111	-41597	intron (NM_200591, intron 5 of 7)	NM_001114902	zgc:175139	5.602496696	6.717323974	-1.114827278	0.019758
peak_37213	chr8	33872839	33873234	-10715	intron (NM_001100146, intron 9 of 20)	NM_001126478	angptl2b	5.506902405	6.621915309	-1.115012904	0.011031
peak_41720	chr1	41221946	41222642	69955	Intergenic	NM_001045371	hmx4	6.429253749	7.54435326	-1.115099511	0.023708
peak_38925	chr3	5631119	5631477	-20247	Intergenic	NM_001020661	tefb	4.566244234	5.681590999	-1.115346765	0.015054
peak_41799	chr1	30658858	30659302	-8406	Intergenic	NM_178296	gli1	4.387228713	5.502625541	-1.115396829	0.023959
peak_43136	chr18	29996707	30000421	-87257	Intergenic	NM_001128400	si:ch73-103b9.2	4.446023636	5.561534532	-1.115510896	0.029188
peak_42749	chr18	3550159	3550630	758607	Intergenic	NM_200555	pdcd10a	4.810385827	5.925971348	-1.11558552	0.027474
peak_38675	chr23	44875292	44875776	-64	promoter-TSS (NM_001003641)	NM_001003641	zgc:100911	5.275008101	6.390664611	-1.115656511	0.01437
peak_39186	chr10	22914119	22914919	-32961	Intergenic	NM_001030178	kdm6bb	6.209549991	7.325219695	-1.115669704	0.015787
peak_32473	chr21	403436	404214	28631	Intergenic	NM_200176	tmem38b	9.04932426	10.16521566	-1.1158914	0.003866
peak_33163	chr23	31036162	31037138	-29888	Intergenic	NM_001130769	LOC556451	6.918359036	8.034254015	-1.115894979	0.004567
peak_36857	chr13	33021017	33021538	-9744	Intergenic	NM_001004615	pqlc3	5.165691145	6.281793689	-1.116102544	0.010259
peak_31905	chr15	28369523	28371433	-3604	Intergenic	NM_001077721	si:ch211-137a8.2	8.073239703	9.189683419	-1.116443715	0.00335
peak_34832	chr4	13040640	13041501	-3333	Intergenic	NM_001030098	prickle1b	6.813712129	7.93026845	-1.116556321	0.006604
peak_32014	chr19	6822336	6823834	-7650	Intergenic	NM_001044927	erf	9.265032759	10.381758	-1.116725245	0.00344
peak_42120	chr19	33284849	33285306	1943	intron (NM_001044918, intron 1 of 8)	NM_001044918	znf704	4.544684847	5.661543459	-1.116858611	0.025063
peak_37118	chr13	51243143	51244187	-20364	Intergenic	NM_001002393	gpatch11	6.657913973	7.774960842	-1.117046869	0.010812
peak_40090	chr23	33157759	33159079	-345525	Intergenic	NR_029935		6.965501203	8.082557648	-1.117056445	0.018283
peak_39563	chr1	48117903	48118402	35344	intron (NM_001160022, intron 3 of 11)	NM_001160022	sh3pxd2aa	4.637028662	5.754085372	-1.11705671	0.016792
peak_39775	chr2	1597763	1598386	115469	intron (NM_200739, intron 3 of 3)	NM_200739	exosc4	6.194283419	7.311408895	-1.117125476	0.017332
peak_41265	chr18	46230743	46231141	-389556	Intergenic	NM_001037706	smtla	4.915640605	6.032835005	-1.1171944	0.022229
peak_38634	chr1	53863493	53863933	-6466	Intergenic	NM_199523	ucp1	5.503000886	6.62028091	-1.117280024	0.014296
peak_42654	chr20	1573899	1574342	138453	Intergenic	NM_001100056	LOC796447	4.913411094	6.030702231	-1.117291138	0.027068
peak_38773	chr16	36676035	36676567	26154	intron (NM_200670, intron 3 of 14)	NM_200670	phactr4b	5.729213663	6.846625625	-1.117411962	0.014671
peak_34779	chr13	51766908	51767684	59861	Intergenic	NM_001014817	dntt	7.031500198	8.148982458	-1.11748226	0.006531
peak_42584	chr16	25399311	25399518	71728	intron (NM_131854, intron 1 of 4)	NM_131854	efna3b	3.996540512	5.114026627	-1.117486116	0.026764
peak_38834	chr23	38980180	38980599	-65679	Intergenic	NM_001080609	sall4	5.725063136	6.842689182	-1.117626046	0.014835
peak_38742	chr1	38293250	38293605	130934	intron (NM_001145602, intron 4 of 11)	NM_001145602	si:ch211-15e22.3	5.138412798	6.256311769	-1.117898971	0.01457
peak_36708	chr11	33950704	33951213	-415457	Intergenic	NM_001160822	pcdh17	6.170600759	7.288522242	-1.117921483	0.009926
peak_41003	chr2	5599413	5599719	8642	intron (NM_001130622, intron 1 of 10)	NM_001291344	slc1a7a	4.647593172	5.765534477	-1.117941305	0.021299
peak_32688	chr3	13853128	13854124	23230	Intergenic	NM_001197065	nfil3-2	9.493022458	10.61097976	-1.117957303	0.004076
peak_34220	chr9	29147756	29148586	9994	intron (NM_201499, intron 2 of 8)	NM_201499	idh1	6.988751465	8.106735262	-1.117983797	0.005801
peak_41674	chr16	41521316	41521703	-85685	Intergenic	NM_001002427	eny2	4.36386504	5.481894085	-1.118029044	0.023545
peak_36821	chr20	50204568	50205136	-2121	Intergenic	NM_001077270	ints9	7.288050166	8.406122554	-1.118072389	0.010155
peak_35457	chr23	44291423	44292676	11703	intron (NM_214728, intron 2 of 19)	NM_214728	dlg4b	8.056198923	9.174313806	-1.118114883	0.00758
peak_34758	chr20	30787656	30788372	59538	Intergenic	NM_212997	acbd3	7.330555174	8.448840868	-1.118285695	0.006503
peak_39348	chr5	34134492	34135107	-11625	Intergenic	NM_212898	ntmt1	5.823302322	6.941652123	-1.118349801	0.016188
peak_35188	chr11	44785635	44786343	-88948	Intergenic	NM_001002123	ralbb	6.95701151	8.07547618	-1.11846467	0.007172
peak_43359	chr6	5579533	5579883	585966	Intergenic	NM_001201446	rtn4a	4.219927938	5.338597743	-1.118669805	0.030259
peak_40842	chr19	25368928	25369487	716	intron (NM_001077302, intron 1 of 11)	NM_001077302	si:ch211-195b13.	5.119527147	6.238210094	-1.118682947	0.020688
peak_33100	chr5	2979563	2980585	124312	Intergenic	NM_001089476	hsf5	6.612456964	7.731175211	-1.118718247	0.004506
peak_33814	chr9	55785951	55787150	36464	Intergenic	NM_001126448	lect1	7.044568726	8.163311322	-1.118742596	0.005271
peak_39114	chr6	31409886	31410442	307206	Intergenic	NM_201025	pgm1	6.830490387	7.949328334	-1.118837948	0.015584
peak_36428	chr10	22042284	22042875	29458	Intergenic	NM_001024126	pcdh1g30	5.660306983	6.779412679	-1.119105696	0.009401
peak_37616	chr23	27370796	27371232	-7206	Intergenic	NM_001130590	stat6	5.71377226	6.832902269	-1.11913001	0.011877
peak_33380	chr5	68990333	68990896	11402	Intergenic	NM_001045415	lcn15	7.82805104	8.947200347	-1.119149307	0.004798
peak_43360	chr18	42542709	42543185	-12745	Intergenic	NM_001081628	cdon	4.988211839	6.107595868	-1.119384029	0.030263
peak_33463	chr16	55381449	55382116	8371	intron (NM_001163294, intron 1 of 58)	NM_001163294	col27a1a	7.082782742	8.202200466	-1.119417724	0.004883
peak_37166	chr7	73207278	73207722	317425	Intergenic	NM_001020693_1	gba3	5.720876314	6.840320259	-1.119443945	0.010945
peak_38304	chr25	30508559	30508940	-55258	Intergenic	NM_212987	ube2q2	5.655055289	6.774541236	-1.119485947	0.013529
peak_39035	chr12	36731665	36732050	-132969	Intergenic	NM_200770	fscn2b	4.474051752	5.593676421	-1.119624669	0.01536
peak_38210	chr23	1037079	1037440	29102	Intergenic	NM_001030233	zgc:113423	4.544684847	5.664363546	-1.119678699	0.013299
peak_36735	chr19	33016294	33016887	-273	promoter-TSS (NM_001024222)	NM_001024222	stmn2b	5.195466406	6.315354655	-1.119888249	0.009974
peak_38952	chr8	7606004	7606420	3502	intron (NM_001017709, intron 1 of 7)	NM_001017709	gpd1a	4.945242996	6.065304897	-1.120061901	0.015146
peak_43501	chr9	25913418	25913983	-40322	Intergenic	NM_200671	slc39a10	5.549884024	6.670042597	-1.120158573	0.030782
peak_42904	chr1	521518	524107	-14759	intron (NM_201027, intron 1 of 11)	NM_131564	appa	7.559233076	8.679412264	-1.120179188	0.028163
peak_34217	chr7	54050530	54051418	-37416	Intergenic	NM_214816	tcf12	7.562055204	8.682505611	-1.120450407	0.005798
peak_43498	chr22	3709153	3709601	139530	Intergenic	NM_001013507	timm44	4.708711963	5.829276441	-1.120564477	0.030776
peak_32705	chr5	32920881	32922195	-67004	Intergenic	NM_001014339	camkk1	8.930051278	10.05080615	-1.120754871	0.004091
peak_43977	chr19	26276670	26277011	-18332	Intergenic	NM_212563	pard6gb	4.152152513	5.273028962	-1.120876449	0.032846
peak_38854	chr23	38604783	38605566	352234	Intergenic	NM_001020707	zgc:112994	6.494003823	7.614886159	-1.120882337	0.014887
peak_37673	chr21	374748	375358	-30384	Intergenic	NM_205663	lhfpl2a	6.810201353	7.931135425	-1.120934072	0.011988
peak_42670	chr6	44095529	44096130	738	intron (NM_001110200, intron 1 of 6)	NM_001110200	gxylt2	5.090708057	6.21166428	-1.120956224	0.027171

peak_41932	chr9	55110259	55110792	8327	Intergenic	NM_001009888	sox21b	4.652023337	5.773023033	-1.120999697	0.024451
peak_35264	chr23	71436	71926	38342	Intergenic	NM_130985	twist3	6.565083716	7.686108404	-1.121024689	0.007281
peak_41937	chr5	73222329	73223170	-62983	Intergenic	NM_001003629	rgs3a	5.936252947	7.0572949	-1.121041953	0.024465
peak_32380	chr17	29960383	29962281	-24886	Intergenic	NM_212954	esrrga	9.237656714	10.35887688	-1.121220168	0.003766
peak_40694	chr6	48648541	48649254	-290464	Intergenic	NM_201150	rhoae	5.566244234	6.687637649	-1.121393415	0.02021
peak_37880	chr7	15876202	15876588	144880	Intergenic	NM_200799	zgc:73349	4.703658466	5.825084196	-1.12142573	0.012469
peak_34336	chr6	43607569	43609067	205678	intron (NM_001039637, intron 6 of 19)	NM_001039637	foxp1b	9.063275265	10.18507479	-1.121799521	0.005966
peak_38241	chr10	7921707	7922103	-76800	Intergenic	NM_201085	hmgcs1	5.764898897	6.88680601	-1.121907113	0.013372
peak_35709	chr3	5706107	5706973	17458	Intergenic	NM_001002476	polr3h	6.499117148	7.621036233	-1.121919085	0.008044
peak_40837	chr1	5359070	5359634	-1760	Intergenic	NM_001020643	klf7a	5.072490541	6.194501863	-1.122011322	0.02067
peak_35176	chr4	59399674	59400134	-2681	Intergenic	NM_001076665_1	zgc:154045	6.0201667	7.142214575	-1.122047875	0.007155
peak_37108	chr17	14387358	14388039	-61091	Intergenic	NM_200482	jkamp	5.975319327	7.097406312	-1.122086985	0.010788
peak_32332	chr19	15327857	15328491	-40729	Intergenic	NM_001044982	cited4a	7.791311132	8.913419952	-1.122108819	0.003722
peak_41919	chr18	47860846	47861267	144599	Intergenic	NM_001080167	ppp1r37	5.08683171	6.209045327	-1.122213618	0.024395
peak_38786	chr6	41503131	41503517	-36158	Intergenic	NM_001114419	hemk1	4.496684491	5.618916257	-1.122231766	0.014723
peak_35839	chr17	828124	829736	-64440	Intergenic	NM_131591	actc1b	8.324746281	9.447040259	-1.122293978	0.008277
peak_40094	chr18	37637763	37638064	-14366	Intergenic	NM_001045552	mapk6	4.865859134	5.988218836	-1.122359702	0.018303
peak_42641	chr15	10524551	10524949	-9815	Intergenic	NM_130969	odz4	4.66594746	5.788327441	-1.122379981	0.02701
peak_33955	chr1	49819100	49819671	-39949	Intergenic	NM_131260	msxb	6.266179985	7.388738683	-1.122558698	0.005475
peak_40577	chr8	2186124	2186517	164200	Intergenic	NM_001256256	snap29	4.684926177	5.8075303	-1.122604123	0.019894
peak_42951	chr14	15802901	15803226	-371282	Intergenic	NM_001045428	rab33a	4.163239007	5.285967135	-1.122728128	0.028374
peak_41955	chr4	61776704	61777220	116243	Intergenic	NM_001037404	zgc:123107	4.400822864	5.52362421	-1.122801347	0.024524
peak_39821	chr10	39671575	39671984	-61929	Intergenic	NM_001001886	usp25	5.132157201	6.255053942	-1.12289674	0.017477
peak_34588	chr2	29695926	29696620	5006	Intergenic	NM_131040	eng2b	6.27672709	7.399941615	-1.123214526	0.006307
peak_38339	chr15	9330442	9330703	82898	Intergenic	NM_182967	calm3a	4.616508912	5.739974163	-1.123465251	0.013623
peak_42443	chr8	52662133	52662721	-18051	Intergenic	NM_001002419	entpd4	5.242206201	6.365929815	-1.123723614	0.026204
peak_39402	chr7	60639716	60640182	-7793	Intergenic	NM_173248	cct7	4.613817609	5.737680616	-1.123863007	0.016319
peak_42732	chr5	65599818	65600434	-71640	Intergenic	NM_001100016	si:ch211-253h3.1	6.011652845	7.135516536	-1.123863692	0.027408
peak_43347	chr15	27065985	27066415	-6963	Intergenic	NM_131216	lhx1a	4.933737412	6.057611398	-1.123873985	0.030223
peak_36858	chr6	56583373	56583794	464206	Intergenic	NM_001008576_1	tfap2c	5.190658387	6.31454115	-1.123882763	0.010265
peak_36061	chr13	50357248	50357938	65327	Intergenic	NM_199981	irf2bp2a	5.521363052	6.645387004	-1.124023953	0.00864
peak_42643	chr11	44327887	44328396	60252	Intergenic	NM_212914	foxg1b	5.356339706	6.480449115	-1.12410941	0.027027
peak_40579	chr6	33151411	33151917	-83260	Intergenic	NM_201143	pik3r3b	5.776623881	6.900786649	-1.124162768	0.019897
peak_41206	chr13	21123188	21123856	-444066	Intergenic	NM_001144786	si:ch1073-126c3.	4.703658466	5.827895173	-1.124236707	0.022029
peak_40287	chr18	5561198	5561610	-4404	Intergenic	NM_001110450	wash	4.665081128	5.789592919	-1.124511791	0.018911
peak_43670	chr2	25104387	25104704	-194940	Intergenic	NM_001002303	nceh1a	4.336856522	5.46142601	-1.124569487	0.031553
peak_36560	chr7	8845948	8846627	-203580	Intergenic	NM_001115068	cxcl-c13d	5.751878154	6.876465468	-1.124587314	0.009674
peak_35402	chr14	33842685	33843397	-22810	intron (NM_131472, intron 29 of 29)	NM_131109	cdx4	6.742258243	7.866928035	-1.124669792	0.007505
peak_40879	chr9	29521425	29522281	-89474	Intergenic	NM_001044766	klf7b	5.887233154	7.011927612	-1.124694458	0.020841
peak_42406	chr3	49196603	49197162	-184648	Intergenic	NM_001110108	fn3krp	5.491806838	6.616531309	-1.124724471	0.026057
peak_39010	chr19	2083970	2084859	15	promoter-TSS (NM_001144806)	NM_001144806	LOC792465	5.855599683	6.980332081	-1.124732398	0.015294
peak_33573	chr5	46623239	46624263	-2793	Intergenic	NM_130952	dmrt2a	6.812343404	7.937208647	-1.124865243	0.004993
peak_37779	chr10	41013198	41013738	-243982	Intergenic	NM_200744	smfn	5.994817712	7.119715011	-1.124897299	0.012223
peak_37995	chr13	24885236	24885660	-683	promoter-TSS (NM_131272)	NM_131272	msxc	5.183380884	6.308419157	-1.125038274	0.012742
peak_43085	chr3	12081550	12081893	-37402	intron (NM_001042778, intron 9 of 11)	NM_001076623	prkar1b	4.640558768	5.765645919	-1.125087151	0.028944
peak_41794	chr6	8436300	8436912	-125288	Intergenic	NM_001111249	LOC100006122	5.226402447	6.351587386	-1.125184938	0.023947
peak_31724	chr19	30856588	30857751	-44180	Intergenic	NM_214707	zdhhc18b	8.293546591	9.418789872	-1.12524328	0.003196
peak_38359	chr24	31504533	31505075	52499	Intergenic	NM_201451	hccs	5.365465851	6.49073452	-1.12526867	0.013681
peak_35607	chr13	19546617	19547260	179346	Intergenic	NM_131280	emx2	6.084565688	7.209857451	-1.125291763	0.007859
peak_36318	chr5	11147872	11148979	-2016	Intergenic	NM_001128575	LOC100150220	6.607717456	7.733044613	-1.125327157	0.009168
peak_32537	chr10	7061235	7062471	13411	Intergenic	NM_001040339	zgc:136254	7.224051441	8.349387209	-1.125335768	0.003927
peak_36005	chr17	53563685	53564280	-11585	Intergenic	NM_001076722	zgc:154061	5.741618051	6.866984332	-1.125366281	0.008537
peak_39028	chr25	13265626	13266006	37354	intron (NM_001122702, intron 4 of 4)	NM_001126430	klhdc4	4.986825782	6.112224643	-1.125398861	0.015335
peak_35485	chr13	46906489	46907087	133829	Intergenic	NM_001243004	fgfr2	6.184003448	7.309569027	-1.125565579	0.007626
peak_39934	chr8	51085257	51085821	22420	intron (NM_199893, intron 9 of 12)	NM_199893	wrap73	5.364932445	6.49077955	-1.125847106	0.017831
peak_38056	chr12	50623189	50624016	5559	TTS (NM_001110376)	NM_001110376	chst3b	6.053066316	7.178937716	-1.1258714	0.012907
peak_42755	chr22	15531990	15532450	-1170	Intergenic	NM_001082927	si:dkey-236e20.7	5.337912378	6.463792839	-1.125880461	0.027481
peak_40771	chr13	40396851	40397426	-6103	Intergenic	NM_001128272	zgc:171482	5.339030839	6.465032517	-1.126001678	0.020494
peak_41473	chr24	43387293	43387828	32409	intron (NM_001018133, intron 1 of 9)	NM_001018133	ptprma	5.110645842	6.236740908	-1.126095066	0.022838
peak_36221	chr20	48406267	48407104	5276	intron (NM_001025546, intron 3 of 7)	NM_001025546	tfap2d	6.610870109	7.737172676	-1.126302567	0.00895
peak_41994	chr9	37824111	37824417	152433	Intergenic	NM_001003649	ralba	4.571801766	5.698400712	-1.126598946	0.024657
peak_34068	chr1	3727105	3728268	-445563	Intergenic	NM_001003842	spry2	6.620772933	7.747407749	-1.126634817	0.005607
peak_40799	chr9	6700536	6702998	918	exon (NM_131150, exon 1 of 2)	NM_131150	pou3f3a	8.180504033	9.307223072	-1.126719039	0.020573
peak_33973	chr17	44295998	44297029	-418	promoter-TSS (NM_131251)	NM_131251	otx2	6.722358875	7.849183509	-1.126824633	0.005494
peak_36881	chr1	46177702	46178477	35709	Intergenic	NM_213380_1	mcoln1a	6.652229186	7.779060314	-1.126831128	0.01031
peak_40902	chr23	21187158	21187522	35363	intron (NM_001146149, intron 5 of 8)	NM_001146149	pax7b	4.478003463	5.605515565	-1.127012102	0.020941
peak_43562	chr22	11476557	11477154	71795	Intergenic	NM_200832	mid1ip1b	4.687488159	5.814609303	-1.127121144	0.031056
peak_36674	chr6	58339664	58340459	-85318	Intergenic	NM_001013289	arfrp1	5.419496475	6.546899638	-1.127403163	0.009871
peak_40439	chr17	1073933	1075462	-15297	Intergenic	NM_001281801	akt1	6.735429189	7.862868816	-1.127439627	0.01936
peak_31156	chr25	892462	893827	-5496	Intergenic	NM_200163	irak4	8.176097526	9.303654772	-1.127557246	0.002726
peak_37782	chr4	16116798	16117412	6975	intron (NM_001033585, intron 1 of 14)	NM_001033585	sox5	5.980571993	7.108133459	-1.127561466	0.012228
peak_31909	chr21	44253350	44254634	-13657	Intergenic	NM_205747	irf1b	7.531764745	8.659736023	-1.127971278	0.003352
peak_37364	chr3	8423914	8424352	-10843	Intergenic	NM_212750	junbb	5.596147662	6.724144497	-1.127996835	0.011343
peak_38859	chr20	14331727	14332378	45717	Intergenic	NM_212646	grcc10	4.964424746	6.092479289	-1.128054544	0.014909
peak_32349	chr9	35023981	35024817	-36061	Intergenic	NM_001007198	ccdc80	7.874988993	9.003070014	-1.128081021	0.003739
peak_38330	chr14	39032172	39032577	825475	Intergenic	NM_001048055	lect2l	5.304857706	6.43328158	-1.128423875	0.013597
peak_35492	chr20	29978977	29979826	81799	Intergenic	NM_131337	sox11b	7.20640115	8.334827872	-1.128426722	0.007646
peak_37450	chr2	2606546	2607264	-17725	Intergenic	NM_001040386	dab1b	6.033021694	7.16148234	-1.128460646	0.011553
peak_37087	chr7	40252595	40255045	-36253	Intergenic	NM_001243038	creb3l1	8.214669972	9.343167038	-1.128497066	0.010749
peak_40196	chr12	36821769	36822272	-42806	Intergenic	NM_200770	fscn2b	5.862462114	6.991085749	-1.128623635	0.018595
peak_36041	chr23	14544050	14544899	-28545	Intergenic	NM_001113646	nkain4	6.748394082	7.877034225	-1.128640142	0.008592
peak_35791	chr1	50308021	50308546	-13351	Intergenic	NM_131426	lef1	6.338487567	7.467253313	-1.128765746	0.008192
peak_39585	chr17	11478785	11479411	-175898	Intergenic	NM_001030187	psma3	5.071837003	6.200606793	-1.12876979	0.01684
peak_38724	chr18	27960231	27960805	84771	Intergenic	NM_001080159	hipk3b	6.031322327	7.160164648	-1.12884232	0.014522
peak_38419	chr20	31514592	31515140	8342	intron (NM_001044819, intron 1 of 19)	NM_001044819	sash1a	5.590227006	6.71914497	-1.128917963	0.013836
peak_36629	chr18	33888466	33889351	136657	exon (NM_001102571, exon 80 of 105)	NM_001077275	zgc:153119	6.060351913	7.189362673	-1.129010761	0.009791
peak_40248	chr16	25143355	25143694	97286	Intergenic	NM_001003997	flad1	5.421036764	6.550088465	-1.1290517	0.018766
peak_39446	chr7	42310176	42310513	-55627	Intergenic	NM_199843	shcbp1	4.867366357	5.996423656	-1.129057299	0.016419
peak_42665	chr9	48701214	48701468	180577	Intergenic	NM_001003480	zgc:92380	4.25726398	5.386329807	-1.129065827	0.027154
peak_40651	chr15	30647722	30648026	1556	TTS (NM_131593)	NM_131593	or111-1	4.723815645	5.852897198	-1.129081552	0.02009
peak_37936	chr2	49729455	49729880	128144	Intergenic	NM_001089323	abhd17aa	5.093324086	6.222607634	-1.129283548	0.012587
peak_37434	chr5	6286982	6287472	-16260	Intergenic	NM_205570	zgc:73226	4.747792413	5.877211053	-1.12941864	0.011511
peak_32925	chr2	56004004	56004885	8148	exon (NM_199675, exon 7 of 9)	NM_199675	tpm4b	7.443484969	8.57294972	-1.129464751	0.004319
peak_42103	chr1	612827	613499	9061	intron (NM_201027, intron 1 of 11)	NM_173235	rpl24	4.909027092	6.038552623	-1.129525531	0.025012
peak_42471	chr17	18230755	18231183	282845	Intergenic	NM_001099260	bcl11ba	4.717979719	5.847613558	-1.129633839	0.026313
peak_32117	chr17	1443879	1444549	108	5' UTR (NM_001089505, exon 1 of 1)	NM_001089505	zgc:162989	8.062317693	9.192029835	-1.129712142	0.003514
peak_38029	chr23	7501769	7502681	48860	Intergenic	NM_131235	gata5	7.193523843	8.323290204	-1.129766361	0.012829
peak_34572	chr25	14717270	14717786	-23349	Intergenic	NM_001099422	exoc3l1	6.173972005	7.303821795	-1.12984979	0.006293
peak_38551	chr2	33072684	33073200	-27687	Intergenic	NM_001030073	slc6a9	5.75678954	6.886649597	-1.129860057	0.014109
peak_42791	chr19	1264348	1264771	18769	Intergenic	NM_001113601	scrt1a	5.063313966	6.193222335	-1.12990837	0.027666
peak_33171	chr24	41412717	41413248	-138956	Intergenic	NM_001045408_1	zgc:153659	6.339573906	7.469536933	-1.129963027	0.004574
peak_31438	chr18	5187435	5188901	49436	Intergenic	NM_001013457	gcsha	9.812889829	10.94286753	-1.129977701	0.00294
peak_34757	chr17	34270445	34270920	65294	intron (NM_001177444, intron 1 of 14)	NM_001177444	gphna	5.810385827	6.940446457	-1.130060629	0.006502
peak_39685	chr24	535833	536165	38738	intron (NM_001013328, intron 2 of 4)	NM_001083003	lancl2	4.100390989	5.230579445	-1.130188456	0.017096
peak_36710	chr21	3190580	3191451	8926	Intergenic	NM_213302	hnrnpabb	6.221401971	7.351623136	-1.130221165	0.009931

peak_38468	chr24	25377262	25377737	27904	intron (NM_001168263, intron 1 of 12)	NM_001168263	pde7a	6.21813988	7.348453554	-1.130313674	0.013927
peak_37162	chr17	27104440	27105193	10163	Intergenic	NM_152967	id3	5.693048356	6.823386406	-1.13033805	0.010937
peak_34993	chr9	8484528	8485223	34994	Intergenic	NM_001045426	zgc:153499	7.130579901	8.260960178	-1.130380277	0.006855
peak_36720	chr16	47389353	47389936	119249	Intergenic	NM_200129	dcaf13	6.521363052	7.651870158	-1.130507107	0.00996
peak_41956	chr7	50045773	50046163	33138	intron (NM_001123242, intron 2 of 17)	NM_001123242	kcnq1	4.970789671	6.101475828	-1.130686157	0.024524
peak_31829	chr25	24680202	24681213	89502	Intergenic	NM_001001815	igf2b	8.870616438	10.00138025	-1.130763808	0.003291
peak_36829	chr8	41904085	41905124	26639	Intergenic	NM_001080045	asphd2	6.594114229	7.72505771	-1.130943481	0.010175
peak_32449	chr5	26086566	26087503	-84415	Intergenic	NM_131822	znf703	7.646844652	8.778023844	-1.131179191	0.003838
peak_40494	chr11	45036857	45037330	16347	exon (NM_001015069, exon 4 of 10)	NM_001015069	gli2b	5.003411208	6.134648284	-1.131237075	0.01957
peak_40534	chr9	441740	442344	118	intron (NM_001080074_1, intron 1 of 10)	NM_001080074_1	zgc:158316	5.290323821	6.421974242	-1.131650421	0.019742
peak_39489	chr17	53107556	53107828	55107	Intergenic	NM_201487	dlst	4.520884289	5.65256086	-1.131676571	0.016601
peak_33752	chr7	70472197	70473305	-41656	Intergenic	NM_199682	ap1g1	8.100155315	9.231971824	-1.131816509	0.005209
peak_39912	chr10	39488795	39489160	-50067	Intergenic	NR_030051		4.617404898	5.749532034	-1.132127136	0.017735
peak_33608	chr21	2065720	2067489	57401	Intergenic	NM_001113432	st8sia3	9.312795998	10.44494179	-1.132145797	0.005035
peak_40917	chr18	40476342	40477045	256863	Intergenic	NM_001166335	pgr	4.887604564	6.019908526	-1.132303962	0.02101
peak_37746	chr22	18478576	18479488	176	TTS (NR_029996)	NR_029996		6.842226481	7.97455136	-1.132324878	0.01215
peak_38222	chr15	39196224	39196573	5106	intron (NM_001077577, intron 1 of 2)	NM_001077577	fat3a	6.416508912	5.748940354	-1.132431442	0.013325
peak_41670	chr16	7785375	7786141	-147352	Intergenic	NM_001007396	mboat1	5.950250571	7.082688402	-1.132437831	0.023534
peak_35061	chr16	7430758	7431545	27628	Intergenic	NM_131059	ctnnb1	7.403972161	8.536506733	-1.132534572	0.006963
peak_31052	chr21	23023223	23025068	492	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	8.278290015	9.410843255	-1.132553239	0.002654
peak_39619	chr17	659199	659772	96339	Intergenic	NM_213316	arhgap11a	5.608870477	6.741430771	-1.132560294	0.016924
peak_31582	chr16	23850972	23852003	29168	Intergenic	NM_001045163	si:ch211-154o6.2	8.100555872	9.233166699	-1.132610827	0.003066
peak_31392	chr22	2307717	2308649	-32366	Intergenic	NM_200598	irf6	8.296560577	9.429368236	-1.13280766	0.00291
peak_37270	chr6	2930578	2931302	-210448	Intergenic	NM_200355	st3gal3a	6.589985489	7.722794175	-1.132808686	0.011159
peak_39639	chr7	74149306	74149729	214963	Intergenic	NM_001006020_1	ccdc149a	5.594783512	6.727620981	-1.132837469	0.016972
peak_41611	chr13	50526524	50527240	56037	Intergenic	NM_213036	tomm20a	5.629028282	6.762030064	-1.133001782	0.023343
peak_38627	chr13	32309164	32309710	-58535	Intergenic	NM_001006079	osr1	5.30766836	6.440807063	-1.133138703	0.014276
peak_35482	chr25	37125923	37126469	-6321	Intergenic	NM_001246660	rpgrip1l	6.149021604	7.282187899	-1.133166295	0.007624
peak_37138	chr16	35309714	35310285	-292	promoter-TSS (NM_001002212)	NM_001002212	prss35	5.779428557	6.913096367	-1.133667811	0.010844
peak_35859	chr21	36448856	36449570	19133	intron (NM_001007405_1, intron 7 of 11)	NM_200505	znf131	7.202806477	8.336496223	-1.133689746	0.008308
peak_42158	chr13	1966550	1967059	121389	Intergenic	NM_001013445	lrrc1	4.618300328	5.752049979	-1.133749651	0.025179
peak_36962	chr19	40296081	40296530	325349	Intergenic	NM_212579	col9a2	5.188851241	6.322626566	-1.133775325	0.010498
peak_40995	chr9	48569168	48569935	312367	Intergenic	NM_001003480	zgc:92380	6.054701687	7.18862607	-1.133924383	0.021268
peak_34072	chr23	45045016	45046963	21509	Intergenic	NM_001201337	LOC794400	6.893360024	8.027285801	-1.133925778	0.00561
peak_37862	chr15	24107486	24107792	7651	3' UTR (NM_212605, exon 6 of 6)	NM_212605	ywhae1	4.722150645	5.856216596	-1.134065951	0.012433
peak_39616	chr2	46613422	46613841	-170892	Intergenic	NM_201020_1	gpc1b	5.190658387	6.324732447	-1.13407406	0.016917
peak_42550	chr6	15698035	15698416	35750	intron (NM_001098731, intron 9 of 17)	NM_001098731	iqca1	4.701125064	5.835267485	-1.134142421	0.026662
peak_35098	chr6	58336602	58337868	-88144	Intergenic	NM_001013289	arfrp1	5.722983386	6.857258811	-1.134275425	0.007029
peak_36822	chr1	26823353	26824103	-13703	intron (NM_001045258, intron 6 of 8)	NM_001077787	dnajb14	5.417440195	6.551798349	-1.134358155	0.010155
peak_34874	chr7	69473960	69474470	-9213	Intergenic	NM_001002386	kars	5.91525509	7.049713732	-1.134458641	0.006676
peak_33367	chr10	34898186	34899133	131815	Intergenic	NM_001199367	zar1l	7.693891865	8.828358334	-1.134466468	0.004782
peak_36742	chr21	43199822	43200296	-30537	Intergenic	NM_131826	spry4	5.400302373	6.534961698	-1.134659325	0.009989
peak_37182	chr15	41534593	41535460	55950	intron (NM_001123284, intron 1 of 11)	NM_199586_1	actn4	6.393780352	7.528542474	-1.134762122	0.010977
peak_42092	chr7	37062946	37063476	-92457	Intergenic	NM_001023575	irx6a	5.662504331	6.7975661	-1.135061769	0.024968
peak_39335	chr16	32200600	32201233	-241113	Intergenic	NM_200374	tnfaip8l2b	5.150260336	6.285349522	-1.135089185	0.016144
peak_41918	chr20	50761282	50761769	-205418	Intergenic	NM_001003855_1	fut8a	4.895794583	6.030889082	-1.135094498	0.024393
peak_40068	chr5	3400075	3400474	-118188	Intergenic	NM_213022	ywhag1	4.794582633	5.929792405	-1.135209772	0.018209
peak_43271	chr2	10146058	10146466	-16144	intron (NM_213146, intron 5 of 11)	NM_213312	gng12a	4.588400367	5.723668982	-1.135268615	0.029849
peak_39870	chr3	63071992	63072787	-6636	Intergenic	NM_001025465	sox8b	5.062656257	6.198101459	-1.135445202	0.017611
peak_39784	chr12	12107312	12107802	-79264	Intergenic	NM_131406	raraa	5.657235228	6.793001447	-1.135766218	0.017347
peak_41910	chr5	71053286	71054212	-3761	Intergenic	NM_001012251	gsx1	6.195783874	7.331573968	-1.135790094	0.024369
peak_43880	chr14	37616758	37617182	1186	exon (NM_001004013, exon 4 of 6)	NM_001004013	spata4	5.629498383	6.765357662	-1.135859279	0.032492
peak_34506	chr19	41901917	41902499	-35421	Intergenic	NM_001002046	bet1	7.598885331	8.734755787	-1.135870456	0.0062
peak_37221	chr6	52709581	52710525	-32662	Intergenic	NM_213549	matn4	5.895403728	7.031524522	-1.136120794	0.011048
peak_37765	chr16	54052685	54053322	89281	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	6.145938225	7.282251477	-1.136313252	0.012199
peak_37944	chr25	28397338	28397719	10794	Intergenic	NM_001080685	spam1	4.957365387	6.093787562	-1.136422175	0.012602
peak_37228	chr25	2012346	2013110	-157204	Intergenic	NM_001102567	pparab	7.128381615	8.265048847	-1.136667232	0.011067
peak_43483	chr13	3332549	3332968	-164477	Intergenic	NM_001017635	park2	5.132783983	6.269519128	-1.136735145	0.030731
peak_43463	chr7	68996057	68996335	117115	Intergenic	NM_200672	swap70a	3.540911861	4.677714029	-1.136802168	0.030647
peak_43096	chr12	27898790	27899132	80907	Intergenic	NM_001002447	myoz1b	4.760062422	5.896884341	-1.136821919	0.028991
peak_40321	chr18	34250710	34251211	68190	Intergenic	NM_001014320	ppp1r13l	5.221107285	6.358051791	-1.136944506	0.018995
peak_41029	chr12	10492316	10493800	-2739	Intergenic	NM_199900	heatr1	6.345279581	7.482432031	-1.13715245	0.021417
peak_35883	chr24	39434947	39435460	23805	Intergenic	NM_001009983	metrn	5.531883551	6.669046631	-1.13716308	0.008332
peak_37038	chr5	24299066	24299608	5377	TTS (NM_001202510)	NM_001202510	rpl36a	4.885374666	6.022675936	-1.137301271	0.010636
peak_36662	chr15	6240478	6240852	-108045	Intergenic	NM_001005991	zgc:103530	4.867366357	6.004709415	-1.137343058	0.009854
peak_38259	chr24	5720095	5720628	54974	Intergenic	NM_001114926	dia1b	5.560172133	6.697746925	-1.137574792	0.013407
peak_35573	chr3	5101270	5101686	17721	intron (NM_001024650, intron 10 of 10)	NM_001024650	ftr43	5.531408268	6.669075818	-1.13766755	0.007792
peak_36065	chr10	19085874	19086728	38796	Intergenic	NM_001004006	tmem230a	7.702702805	8.840393415	-1.13769061	0.00865
peak_40452	chr6	59935634	59936191	2741	Intergenic	NM_199817	tgds	5.299285064	6.437057317	-1.137772253	0.019425
peak_33484	chr7	35268372	35268989	27381	Intergenic	NM_001130652	skor1a	7.223324548	8.361130459	-1.13780591	0.004901
peak_39814	chr16	26750572	26751205	6444	intron (NM_001007428, intron 1 of 7)	NM_001007428	cadm4	6.663805955	7.801644838	-1.137838883	0.017452
peak_37463	chr6	11065873	11066257	-81221	Intergenic	NM_213124	sumo3a	5.048071517	6.185927285	-1.137855768	0.01159
peak_36853	chr16	47090521	47091055	-43960	Intergenic	NM_001123063	dpys	4.889831022	6.027716584	-1.137885563	0.01024
peak_31629	chr2	21604019	21606948	38970	Intergenic	NM_201454	rab2a	9.64447772	10.78261012	-1.138132399	0.003105
peak_36011	chr5	7480322	7481210	-147843	Intergenic	NM_001018130	crybb3	6.98406993	8.122348944	-1.138279015	0.008552
peak_43991	chr6	53483001	53483450	73788	intron (NM_001013503, intron 11 of 14)	NM_213481_1	gnb1b	4.857541143	5.995941476	-1.138400333	0.032908
peak_39440	chr1	54628428	54628832	48402	Intergenic	NM_130954	dla	5.234050946	6.372457743	-1.138406797	0.016412
peak_41710	chr20	37855626	37855938	10160	Intergenic	NM_001020569	tatdn3	4.274473311	5.412884038	-1.138410727	0.023666
peak_35785	chr20	17750866	17751381	-34898	Intergenic	NM_131081	cdh2	5.59113946	6.729615924	-1.138476465	0.008184
peak_42108	chr5	3711722	3712519	-121316	Intergenic	NM_001008615	hspb1	4.83917979	5.977657084	-1.138477294	0.025027
peak_37516	chr14	37143566	37144190	22253	Intergenic	NM_205642	zgc:77938	5.357948883	6.496455353	-1.13850647	0.011708
peak_36989	chr7	70610155	70611160	-179562	Intergenic	NM_199682	ap1g1	7.184314629	8.322834458	-1.13851983	0.010554
peak_34944	chr8	54168090	54168800	43331	intron (NM_001245969, intron 27 of 43)	NM_001245969	cabin1	6.67332805	7.811914355	-1.138586304	0.006785
peak_36974	chr9	5247784	5248121	101505	Intergenic	NM_001113590	tnfsf13b	5.118261731	6.256851645	-1.138589914	0.010526
peak_35009	chr6	47945256	47945668	-150081	Intergenic	NM_201202	phc2b	5.730870537	6.869508795	-1.138638259	0.006886
peak_33788	chr25	14724269	14724955	-30433	Intergenic	NM_001099422	exoc3l1	6.352039769	7.490694827	-1.138655058	0.005246
peak_38389	chr16	18423170	18423623	-134750	Intergenic	NM_001290140	zgc:56148	5.735028496	6.87380494	-1.138776444	0.013763
peak_35940	chr23	3335511	3336360	87620	Intergenic	NM_131015	mafba	6.76025342	7.899162202	-1.138908782	0.00843
peak_39062	chr3	50010963	50011349	7529	intron (NM_001076646, intron 1 of 2)	NM_001080569	hs3st3b1a	5.116361525	6.255430751	-1.139069226	0.015419
peak_39928	chr18	34085731	34086087	3235	intron (NM_001044862, intron 1 of 15)	NM_001044862	rasgrp4	4.523754484	5.663143728	-1.139389244	0.017811
peak_42091	chr22	26469485	26470039	-12093	Intergenic	NM_201342	dnaja3b	4.334678924	5.474085938	-1.139407014	0.024968
peak_33873	chr7	23439623	23440187	-35717	Intergenic	NM_001017620_1	tmem256	5.787435225	6.926888951	-1.139453726	0.005364
peak_43332	chr9	46152072	46152695	90747	Intergenic	NM_001040004	retsatl	4.912681351	6.052193362	-1.13951201	0.030148
peak_34768	chr8	52933622	52934046	-58852	Intergenic	NM_001002647	egr3	6.005828203	7.145764531	-1.139936328	0.006512
peak_42075	chr9	15103339	15103724	-322465	Intergenic	NM_212966	nrp2b	4.877168754	6.017201333	-1.140032579	0.024921
peak_32922	chr7	12974642	12975885	-90670	Intergenic	NM_001080993	mex3b	6.712921957	7.8529926	-1.140070643	0.004317
peak_38958	chr3	8477680	8478178	-98	promoter-TSS (NM_001020730)	NM_001020730	zgc:109949	5.438945476	6.579108278	-1.140162802	0.015155
peak_42305	chr23	41792133	41792475	63736	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	4.666813271	5.807278783	-1.140465512	0.025667
peak_41121	chr2	46818823	46819236	-376290	Intergenic	NM_201020_1	gpc1b	5.398248946	6.538752238	-1.140503292	0.021754
peak_38163	chr18	42624341	42624596	93626	Intergenic	NM_001045140	si:ch211-151h10.	4.705344933	5.846097461	-1.140752528	0.013174
peak_38999	chr10	39779364	39779692	-4282	Intergenic	NM_001006039	samsn1b	5.004096482	6.145020448	-1.140923966	0.015269
peak_42304	chr9	56843289	56843734	-64737	Intergenic	NM_001013334	gpm6bb	4.569951633	5.710933943	-1.14098231	0.025665
peak_35512	chr23	37766652	37767170	-93771	Intergenic	NM_200856	tor1l3	6.284379699	7.425405591	-1.141025892	0.007695
peak_41327	chr12	41657630	41657987	1306407	Intergenic	NM_001099246	abca5	4.132157201	5.273274566	-1.141117364	0.022391
peak_41782	chr11	5092564	5092938	-268075	Intergenic	NM_001077310		4.494735408	5.635899135	-1.141163726	0.023899

peak_41847	chr11	10345883	10346182	174349	Intergenic	NM_001003883	ect2	4.162011373	5.303394932	-1.141383559	0.02411
peak_33405	chr1	14098483	14099233	113430	Intergenic	NM_001045485	pi4k2b	7.799356764	8.940786005	-1.141429241	0.004826
peak_39137	chr25	11721920	11722346	-328677	Intergenic	NM_001265607	mespbb	4.644959288	5.786667374	-1.141708086	0.015639
peak_36743	chr19	9186814	9187527	-28160	Intergenic	NM_200809	dpm3	6.488858029	7.630609567	-1.141751538	0.00999
peak_41644	chr15	5628746	5629061	7440	intron (NM_001077612, intron 5 of 10)	NM_001077612	phkg1a	4.448039606	5.589932213	-1.141892608	0.023434
peak_42350	chr24	40627828	40628136	-106302	Intergenic	NM_205554	atp6v0cb	4.157090365	5.299038227	-1.141947863	0.025829
peak_38157	chr10	1356918	1357369	4669	intron (NM_001256077, intron 1 of 8)	NM_001256077	opn4xa	4.961605146	6.103574751	-1.141969605	0.013153
peak_32975	chr23	44278456	44280119	-1059	Intergenic	NM_214728	dlg4b	7.36023329	8.502205693	-1.141972403	0.004376
peak_43367	chr8	38540220	38540983	33385	Intergenic	NM_201162	eif2d	5.194866279	6.336898834	-1.142032555	0.030289
peak_39302	chr25	12983517	12983897	30945	Intergenic	NM_001115103	ccl-c25v	4.567171977	5.70923797	-1.142065992	0.016076
peak_40545	chr18	48057309	48057600	-42397	Intergenic	NM_001007334	yif1b	3.922906591	5.0651663	-1.142259709	0.019784
peak_39421	chr19	39160041	39160549	-8944	Intergenic	NM_001122760	thsd7a	5.331920453	6.474524813	-1.142604361	0.016368
peak_43822	chr3	42972024	42972826	12692	intron (NM_131503, intron 2 of 9)	NM_131503	axin1	5.409672761	6.552337518	-1.142664757	0.032262
peak_35732	chr10	1162830	1163413	27782	intron (NM_001114924_1, intron 2 of 4)	NM_001114924_1	bmpr1bb	5.620089523	6.762782441	-1.142692918	0.008098
peak_32672	chr2	44430007	44430468	20265	Intergenic	NM_001076655	zgc:152670	6.716492648	7.859215593	-1.142722945	0.004054
peak_40634	chr14	5822629	5823455	151	5' UTR (NM_001105124, exon 1 of 4)	NM_001105124	kazald2	5.989636937	7.132378264	-1.142741327	0.020034
peak_40633	chr2	36391793	36392151	2794	intron (NM_199740, intron 5 of 10)	NM_199740	ccnl1b	4.524709948	5.667470354	-1.142760407	0.020033
peak_41522	chr16	25846275	25846907	75648	Intergenic	NM_131596	adar	5.059363209	6.202389072	-1.143025863	0.023014
peak_34665	chr5	395944	397175	91872	Intergenic	NM_200293	ddrgk1	9.113378169	10.25641726	-1.143039091	0.006401
peak_31321	chr13	53025225	53027095	38062	Intergenic	NM_001135784	nkx6.2	7.657036447	8.800361328	-1.143324881	0.002862
peak_42703	chr4	4422480	4422859	-14769	Intergenic	NM_001130792	zgc:194209	5.245721053	6.389064942	-1.143343889	0.027296
peak_43684	chr4	4459101	4459478	-51389	Intergenic	NM_001130792	zgc:194209	4.421549829	5.564963538	-1.143413709	0.031638
peak_39578	chr12	10048344	10048642	528	5' UTR (NM_131378, exon 2 of 14)	NM_131378	pth1rb	4.364932445	5.508497356	-1.143564911	0.016828
peak_32340	chr18	11248614	11249725	251315	Intergenic	NM_001013335	zgc:110789	8.278223329	9.421872664	-1.143649334	0.003729
peak_34480	chr9	29400272	29401149	31669	intron (NM_001044766, intron 1 of 3)	NM_001044766	klf7b	6.834926691	7.978721863	-1.143795172	0.006169
peak_35908	chr5	45994698	45995410	29717	Intergenic	NM_001122786	tars	6.375843491	7.519960866	-1.144117375	0.008371
peak_31572	chr1	4218221	4219432	45577	Intergenic	NM_001003842	spry2	8.999944523	10.14417437	-1.144229849	0.003062
peak_31558	chr13	21878613	21879882	-29439	Intergenic	NM_001082814	chchd1	7.680211106	8.824475648	-1.144264542	0.003047
peak_35161	chr13	44088427	44089184	59345	Intergenic	NM_001077794	dact2	6.987539192	8.131905658	-1.144366466	0.007128
peak_35283	chr16	1480158	1481814	49032	Intergenic	NM_178222	sim1a	7.087640141	8.232176664	-1.144536523	0.007305
peak_39686	chr7	43542818	43543264	-70598	Intergenic	NM_131063	shha	5.696892816	6.841462633	-1.144569817	0.0171
peak_42881	chr5	12555697	12556223	59998	Intergenic	NM_001020677	zgc:112294	4.956657547	6.101273926	-1.144616379	0.02807
peak_36615	chr23	18244813	18245222	-11000	Intergenic	NR_045228		5.209235538	6.353914189	-1.14467865	0.009764
peak_39988	chr1	13595070	13595919	113325	Intergenic	NR_048926		5.388278976	6.533009238	-1.144730262	0.018
peak_40760	chr5	21733357	21734072	17030	intron (NM_001126387, intron 12 of 14)	NM_001126387	ankrd13a	5.953802019	7.098605553	-1.144803535	0.020421
peak_42286	chr14	52366796	52367198	167302	intron (NM_001017782_1, intron 16 of 17)	NM_001077724	zgc:154054	4.660741649	5.805569115	-1.144827465	0.025602
peak_39598	chr8	20515662	20516124	163	5' UTR (NM_001123276, exon 1 of 12)	NM_001123276	znf692	4.828341271	5.973250687	-1.144909417	0.016871
peak_36137	chr1	4357349	4357930	-12987	Intergenic	NM_001009887	mnx2b	7.444509808	8.589931604	-1.145421796	0.008814
peak_32747	chr17	49856998	49857710	-49924	Intergenic	NM_001278851	shroom3	7.368802939	8.51429735	-1.145494411	0.004128
peak_41772	chr6	19148162	19148747	-63498	Intergenic	NM_001017556	rhbdl3	4.785044865	5.930550372	-1.145505507	0.02386
peak_39665	chr19	35085249	35086392	19196	intron (NM_001076776, intron 1 of 10)	NM_001076776	runx1t1	5.994817712	7.140536436	-1.145718724	0.017035
peak_41202	chr7	75926039	75926762	203764	Intergenic	NM_001077468	mrpl21	5.20506941	6.350815301	-1.145745892	0.022027
peak_42894	chr20	48691270	48691682	40061	Intergenic	NM_001020753	prep	4.66594746	5.811695043	-1.145747583	0.02811
peak_42731	chr1	49855593	49855886	-3595	Intergenic	NM_131260	msxb	5.098467082	6.244256042	-1.145788959	0.027407
peak_38492	chr5	43083251	43083808	-31647	Intergenic	NM_205639	fancg	4.742052865	5.888036371	-1.145983505	0.013974
peak_35017	chr9	54836989	54837526	-91537	Intergenic	NM_001288817	trpm2	6.110645842	7.256758447	-1.146112606	0.006901
peak_37637	chr14	34162398	34163152	-76932	Intergenic	NM_212957	pdzd11	5.929054036	7.075169782	-1.146115746	0.01192
peak_41736	chr11	27844214	27844590	-209233	Intergenic	NM_001045307	acad9	4.475040695	5.621292509	-1.146251814	0.02376
peak_44019	chr9	4134281	4134572	-466069	Intergenic	NM_180973	sp5a	3.883141315	5.029492143	-1.146350828	0.033025
peak_30111	chr18	35646659	35648837	47754	intron (NM_001139480, intron 4 of 7)	NM_001139480	yap1	9.578307504	10.7250406	-1.146733093	0.002087
peak_35054	chr7	554207	555209	-38048	intron (NM_001079984, intron 3 of 8)	NM_001079984_1	nrxn2b	6.447298646	7.594126802	-1.146828156	0.006947
peak_38063	chr15	41679925	41681039	-46134	intron (NM_001123284, intron 7 of 11)	NM_001045128	acsl3a	5.816663503	6.963597354	-1.146933851	0.012915
peak_40561	chr20	28897616	28898082	12860	exon (NM_001002610, exon 8 of 8)	NM_001002610	srsf5b	5.334647141	6.48167475	-1.14702761	0.019824
peak_38549	chr16	52371885	52372413	324521	Intergenic	NM_001110524	brd2b	5.191861895	6.338905032	-1.147043137	0.014104
peak_33904	chr6	54552253	54553189	21043	intron (NM_001109724, intron 2 of 12)	NM_001109724	tead3b	7.369061193	8.516327085	-1.147265892	0.005416
peak_37003	chr18	8908718	8909215	-38588	Intergenic	NM_001045084	sema3e	5.942007187	7.089482545	-1.147475358	0.010572
peak_35823	chr11	46341221	46343651	-2592	intron (NM_001077304, intron 3 of 11)	NM_001110486_1	zgc:158292	8.74425017	9.89177417	-1.147524001	0.00824
peak_34451	chr4	7582970	7583928	6949	intron (NM_130937, intron 1 of 5)	NM_130937	wnt5b	5.836081748	6.983731448	-1.147649701	0.006125
peak_33408	chr17	29161267	29162016	16806	Intergenic	NM_131067	foxg1a	6.555972225	7.703655675	-1.14768345	0.004832
peak_41740	chr12	48055095	48055947	5717	intron (NM_001098781, intron 4 of 6)	NM_001098781	lhpp	5.64451984	6.792211352	-1.147691513	0.023776
peak_36843	chr20	28277579	28278152	2963	intron (NM_001079835, intron 4 of 10)	NM_001079835	dll4	6.582637021	7.730350594	-1.147713573	0.010217
peak_32257	chr5	8760876	8761604	81604	Intergenic	NM_131457	bmpr1ba	9.610178477	10.7580701	-1.147891624	0.003651
peak_31618	chr23	29307771	29308676	-256851	Intergenic	NM_001002631	dffa	7.609983185	8.757903581	-1.147920396	0.003096
peak_42625	chr12	12815198	12815741	59278	Intergenic	NM_001114932_1	wapalb	5.696468907	6.844404014	-1.147935107	0.026953
peak_38221	chr3	49530024	49530451	-103462	Intergenic	NM_212985	metrnl	5.510282977	6.658232746	-1.147949769	0.013324
peak_42314	chr21	27436854	27437196	298346	intron (NM_001079970, intron 15 of 23)	NM_001079970	nrxn2a	4.10167217	5.249760339	-1.148088169	0.025692
peak_35163	chr21	11365556	11366211	13275	intron (NM_001098488, intron 1 of 55)	NM_001098488	spna2	6.478757587	7.626881579	-1.148123992	0.007137
peak_39510	chr25	15055056	15055348	-75529	Intergenic	NM_200452	dnajc24	4.426670464	5.574814588	-1.148144124	0.016656
peak_39073	chr23	37636825	37637299	-2825	Intergenic	NM_001130632	tor1l1	4.638794795	5.787339631	-1.148544836	0.01544
peak_30856	chr17	50762669	50765182	14167	Intergenic	NM_001122849	acyp1	9.437336727	10.58611801	-1.148781279	0.002531
peak_40672	chr23	30482338	30482851	195166	Intergenic	NM_212848	uts2a	5.350931353	6.499813275	-1.148881922	0.020168
peak_32770	chr5	31682358	31683244	44295	Intergenic	NM_001002489	sdhda	7.923082488	9.071966715	-1.148884227	0.004151
peak_43127	chr15	44924186	44924557	-48122	Intergenic	NM_001162527	LOC100151049	4.656389079	5.805497077	-1.149107999	0.029127
peak_39278	chr9	44329205	44329695	-43350	intron (NM_212793, intron 5 of 8)	NM_182881	sestd1	5.170618565	6.319870926	-1.149252361	0.016023
peak_36622	chr7	35815794	35816403	-1708	Intergenic	NM_131267	irx3a	6.269033671	7.418648989	-1.149615318	0.009778
peak_39813	chr24	9134195	9134614	-39756	Intergenic	NM_199567	tgif1	4.516087906	5.665717668	-1.149629762	0.01745
peak_38524	chr12	34209951	34210193	-101122	Intergenic	NM_001256805	LOC557756	4.548447992	5.69808824	-1.149640248	0.014051
peak_32921	chr6	16165823	16166611	157795	Intergenic	NM_001002395	faimb	8.025666009	9.175336147	-1.149670138	0.004313
peak_33579	chr12	35418037	35418634	2597	intron (NM_001044914, intron 1 of 5)	NM_001142375	trim8b	6.217844527	7.367948841	-1.150104314	0.005003
peak_37596	chr3	20398305	20398774	308606	Intergenic	NM_201130	spop	5.712095621	6.862290898	-1.150195277	0.011844
peak_36586	chr1	25251426	25252591	28854	Intergenic	NM_205662	ppa2	7.063149567	8.213412419	-1.150262852	0.00971
peak_38741	chr7	68019137	68019568	-40922	Intergenic	NM_178300	arntl1b	5.498144577	6.648519371	-1.150374794	0.014568
peak_41471	chr10	42235520	42236117	-43035	intron (NM_001039812, intron 16 of 19)	NM_131404	pcna	4.315971024	5.466404366	-1.150433341	0.022833
peak_34466	chr12	28366844	28367703	55484	intron (NM_131709, intron 1 of 7)	NM_131709	zeb1b	7.730986103	8.881563935	-1.150577832	0.006142
peak_38726	chr15	32354654	32355012	214399	Intergenic	NM_199743	zgc:73340	4.902426009	6.053072049	-1.150646041	0.014528
peak_41931	chr6	52635140	52635557	-7181	Intergenic	NM_001048149	sdc4	5.31431431	6.464991697	-1.150677388	0.024447
peak_40881	chr5	5088551	5089018	32154	intron (NM_001025168, intron 2 of 8)	NM_001025168	lmx1ba	4.99997995	6.150712237	-1.150732287	0.020848
peak_32985	chr13	31674	33050	-7083	Intergenic	NM_200001	smek2	7.493752762	8.644519063	-1.150766301	0.004385
peak_42512	chr10	4721221	4721763	-72	promoter-TSS (NM_001204256)	NM_001204256	palm2	5.925823868	7.076621397	-1.150797529	0.026466
peak_36636	chr6	15613931	15614477	43470	Intergenic	NM_001083832	ackr3b	6.456590791	7.607389054	-1.150798263	0.009815
peak_35014	chr10	44867758	44869096	187840	Intergenic	NR_045221		6.442726921	7.593585878	-1.150858958	0.0069
peak_38905	chr2	26579855	26580464	37077	intron (NM_131022, intron 2 of 3)	NM_213112	rabggtb	6.271898322	7.423032323	-1.151134001	0.014988
peak_40289	chr23	42478756	42479075	-281	promoter-TSS (NM_001190760)	NM_001190760	slc1a7b	4.30377737	5.45491291	-1.15113554	0.018917
peak_33797	chr3	12296415	12297301	172	5' UTR (NM_001076757, exon 1 of 8)	NM_001076757	pdgfab	6.740179156	7.891393141	-1.151213985	0.005251
peak_40152	chr11	14035976	14036418	208501	Intergenic	NM_001005206	wdr18	4.909027092	6.060333844	-1.151306752	0.018454
peak_41141	chr20	35076490	35077017	-6489	Intergenic	NM_001033595	hnrnpub	5.091353103	6.242674665	-1.151321562	0.021799
peak_33185	chr14	45112718	45113831	252562	Intergenic	NM_182885	pcdh10b	7.261003996	8.412421056	-1.151417059	0.004588
peak_34683	chr1	39532997	39533582	203150	Intergenic	NR_030668		5.867366357	7.018811893	-1.151445536	0.006419
peak_34145	chr12	8598709	8599559	134254	Intergenic	NM_001114592	tmem26b	6.443484969	7.594941906	-1.151456937	0.005696
peak_39389	chr13	7364721	7365499	-253568	Intergenic	NM_001037101	hells	5.770169143	6.921631358	-1.151462216	0.016294
peak_37238	chr15	47291434	47291999	-15279	Intergenic	NM_001076636_1	zgc:153039	5.473557026	6.625099114	-1.151542088	0.011088
peak_39523	chr19	50225893	50226413	-26347	Intergenic	NM_001033754	zgc:114119	4.832205444	5.98376872	-1.151563276	0.016689
peak_41099	chr17	6766869	6767238	46177	Intergenic	NM_001287088	zgc:172341	4.530429481	5.682011738	-1.151582258	0.02171
peak_35700	chr2	17598879	17600073	305	intron (NM_001083576, intron 1 of 32)	NM_001083576	ptprfb	8.18286461	9.334448614	-1.151584004	0.008023
peak_33537	chr24	3183012	3184010	22965	intron (NM_212751, intron 3 of 3)	NM_212751	fam69c	6.823290996	7.975099433	-1.151808437	0.004957

peak_43547	chr20	555016	555400	-1522	Intergenic	NM_001030225	dse	4.875671743	6.027719748	-1.152048005	0.031009
peak_32955	chr7	48576849	48577654	-186426	Intergenic	NM_001195407	tshz3b	7.240616391	8.392892735	-1.152276344	0.004358
peak_38244	chr14	43167658	43168704	43669	intron (NM_001012263, intron 2 of 5)	NM_001012263	fgfrl1b	6.164159047	7.316478281	-1.152319234	0.013379
peak_39371	chr5	46295606	46295950	21304	intron (NM_001099990, intron 1 of 24)	NM_001099990	dapk1	4.620983289	5.773358022	-1.152374733	0.01626
peak_30991	chr18	17700784	17702242	41458	intron (NM_001080164, intron 3 of 5)	NM_001080164	si:ch211-212o1.2	7.787528932	8.939934498	-1.152405566	0.002612
peak_38099	chr7	70920004	70920453	39486	Intergenic	NM_001100142	phlpp2	4.939522573	6.091947909	-1.152425336	0.012986
peak_42632	chr15	38415728	38415997	192998	Intergenic	NM_173232	rps5	3.996540512	5.149067145	-1.152526633	0.026973
peak_43817	chr9	48175851	48176310	-284967	Intergenic	NM_001126463	igfbp5a	4.880158125	6.032708627	-1.152550501	0.032233
peak_38031	chr21	35432824	35433403	5546	intron (NM_001002503, intron 3 of 7)	NM_001002503	ndfip1l	6.00034348	7.152960848	-1.152617368	0.012839
peak_43270	chr7	31800506	31801227	27672	intron (NM_001159314, intron 2 of 15)	NM_001159314	adam10a	5.023192609	6.175857462	-1.152664853	0.029847
peak_37554	chr6	53251523	53252482	22794	Intergenic	NM_001100138	rbm5	6.183380884	7.336157201	-1.152776317	0.011761
peak_41328	chr9	46400489	46400951	270496	Intergenic	NM_001099232	zgc:165571	4.217566349	5.370481094	-1.152914746	0.022394
peak_34867	chr17	8993923	8994616	-172484	Intergenic	NM_001077768	zranb1b	6.090726876	7.243694703	-1.152967827	0.006663
peak_38816	chr1	4603357	4603908	18033	intron (NM_212965, intron 1 of 14)	NM_212965	nrp2a	5.428232905	6.58136847	-1.153135564	0.014805
peak_38717	chr7	37347844	37348254	-183106	Intergenic	NM_001045227	irx5a	5.118261731	6.27144145	-1.153179719	0.014502
peak_33777	chr13	25313950	25315057	107489	intron (NM_001272084, intron 4 of 10)	NM_001272084	adka	7.149504321	8.302812373	-1.153308051	0.005237
peak_33415	chr12	32786416	32786897	3632	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	6.126170792	7.279522787	-1.153351995	0.004835
peak_38119	chr5	21450156	21451357	-44583	Intergenic	NM_001126454	fam222a	6.02185951	7.175293099	-1.153433588	0.013034
peak_41372	chr6	14876838	14877060	-3932	Intergenic	NM_001045396	mrps9	3.849893014	5.003463379	-1.153570365	0.022548
peak_31902	chr6	59234900	59236902	124709	Intergenic	NM_001033751	fam210b	8.879202821	10.03295074	-1.153747922	0.00335
peak_42173	chr10	20472936	20473399	53587	intron (NM_001099244, intron 2 of 12)	NM_001099244	loxl2a	3.725478726	4.879237284	-1.153758558	0.025244
peak_39074	chr5	19112616	19113311	-446024	Intergenic	NM_001100015	chfr	5.827931704	6.981757949	-1.153826245	0.015444
peak_32132	chr8	41510227	41511886	-48493	Intergenic	NM_001013516	msi1	8.271325017	9.425189792	-1.153864775	0.003527
peak_38090	chr23	13220204	13220634	-195298	Intergenic	NM_001282089	ndnl2	6.293130194	7.447022355	-1.153892161	0.012975
peak_36247	chr11	44942431	44943255	42366	intron (NM_001015069_1, intron 1 of 3)	NM_001015069_1	gli2b	6.16047536	7.314378703	-1.153903343	0.009014
peak_36335	chr8	6966219	6967062	-179949	Intergenic	NM_001130781	vsig8b	6.755760789	7.909664756	-1.153903967	0.009202
peak_34496	chr2	59950585	59951550	-8407	intron (NM_212882_1, intron 8 of 9)	NR_030000		6.50809657	7.662120771	-1.154024201	0.006188
peak_31049	chr20	4027690	4029038	9224	Intergenic	NM_001110475	exoc8	9.150308059	10.30435417	-1.154046108	0.00265
peak_42139	chr7	43383128	43383642	-230254	Intergenic	NM_131063	shha	4.867366357	6.021467365	-1.154101008	0.025134
peak_35156	chr24	37329520	37330264	-65914	Intergenic	NM_001080581	dtna	6.200275898	7.3543989	-1.154123003	0.007114
peak_40010	chr3	8977289	8977657	-107559	Intergenic	NM_001014360	zgc:113250	4.990328783	6.144487428	-1.154158645	0.018048
peak_36253	chr10	4198534	4198940	135240	Intergenic	NR_029954		5.754347818	6.908552593	-1.154204775	0.009025
peak_41635	chr10	44946061	44946860	109807	Intergenic	NR_045221		3.963015635	5.117270159	-1.154254525	0.02341
peak_35447	chr11	43076914	43077621	-2992	Intergenic	NM_131089	her2	8.002306949	9.156646906	-1.154339957	0.007566
peak_40637	chr13	4844990	4845433	-104081	Intergenic	NM_001039639	abcg2c	5.188213176	6.342633399	-1.154420223	0.020038
peak_35400	chr15	35817038	35817423	126445	intron (NM_001040687, intron 17 of 29)	NM_001040687	nphs1	5.207451528	6.361930334	-1.154478806	0.007499
peak_38026	chr10	23501479	23501916	-142633	intron (NM_200664, intron 9 of 10)	NM_001020582	nle1	5.185799053	6.340343944	-1.15454489	0.012824
peak_35072	chr3	6995667	6996160	25940	intron (NM_205613, intron 3 of 4)	NM_205613	hn1b	5.634817951	6.789493258	-1.154675306	0.006992
peak_43662	chr6	56192906	56193281	73716	Intergenic	NM_001008576_1	tfap2c	4.861283868	6.01597679	-1.154692923	0.031524
peak_36142	chr13	22051671	22052620	85837	Intergenic	NM_001145707	zswim8	6.843589496	7.998419449	-1.154829953	0.008823
peak_41539	chr10	35461546	35461929	-251553	Intergenic	NM_001013500	nbeaa	4.656389079	5.811242197	-1.154853118	0.023053
peak_37242	chr20	10273650	10274091	31944	Intergenic	NM_130910	meis2b	6.219320689	7.374205066	-1.154884377	0.011101
peak_38864	chr10	21604003	21604313	22138	Intergenic	NM_001111176	zgc:165539	4.419496475	5.574494115	-1.154997639	0.014915
peak_38405	chr12	44932321	44932848	-155896	Intergenic	NM_001110011_1	dock1	5.611121277	6.766164016	-1.15504274	0.013794
peak_43146	chr8	5119326	5119638	68964	Intergenic	NM_001102640	tmem230b	4.217566349	5.372790227	-1.155223878	0.029241
peak_37531	chr4	18008281	18008733	-985	promoter-TSS (NM_199533)	NM_199533	rap1b	5.412772711	6.568063793	-1.155291082	0.011733
peak_41518	chr14	36289564	36290186	180315	Intergenic	NM_001007108	il12ba	5.264179041	6.419496365	-1.155317324	0.022989
peak_38469	chr19	20295475	20295993	-8638	Intergenic	NM_213231	nfe2l3	6.670271331	7.825613021	-1.15534169	0.013928
peak_36940	chr21	33361454	33362278	-134265	intron (NM_152955, intron 7 of 13)	NM_001031838	alg13	6.793008944	7.948408787	-1.155399844	0.010431
peak_35748	chr5	55239747	55240194	-9271	intron (NM_001020519, intron 6 of 10)	NM_001281844	pik3r1	6.165078501	7.320499771	-1.15542127	0.008126
peak_34971	chr3	23513108	23513723	1000	intron (NM_199214, intron 1 of 51)	NM_199214	col1a1a	5.883141315	7.038630203	-1.155488888	0.006816
peak_33989	chr9	47317917	47318607	-177216	Intergenic	NM_001039358	hdac4	7.021003478	8.176624971	-1.155621493	0.00551
peak_39582	chr20	41662792	41663105	295277	Intergenic	NM_001201561	LOC555548	4.25841321	5.414099535	-1.155686325	0.016832
peak_34889	chr3	10678546	10679233	16772	Intergenic	NM_130983	nog1	6.077095029	7.233060462	-1.155965433	0.006704
peak_35133	chr14	45983285	45984606	-124085	Intergenic	NM_200975	gar1	7.308370168	8.464374504	-1.156004336	0.007087
peak_40724	chr7	70485791	70486200	-54900	Intergenic	NM_199682	ap1g1	4.859814447	6.016008052	-1.156193605	0.020311
peak_35958	chr13	6529006	6529750	58988	Intergenic	NM_001025502	h2afy2	6.436633343	7.592906736	-1.156273393	0.008458
peak_41035	chr6	11301893	11302387	22058	intron (NM_001017811, intron 7 of 7)	NM_001017811	zgc:112416	4.637028662	5.793347798	-1.156319136	0.021442
peak_33776	chr8	15888117	15889181	-66170	Intergenic	NM_001017814	spata6	6.668772056	7.825139352	-1.156367295	0.005231
peak_37919	chr19	12672806	12673720	65565	Intergenic	NM_001089406	spag1a	6.598898563	7.75533829	-1.156439727	0.012556
peak_32229	chr7	38772129	38772974	3114	intron (NM_001146014, intron 1 of 2)	NM_001146014	sall1a	6.981268198	8.137753829	-1.156485631	0.003624
peak_32523	chr8	10773044	10774126	141075	Intergenic	NM_001077391	zgc:153997	6.958946447	8.115455047	-1.1565086	0.003916
peak_42999	chr12	46108210	46108522	135714	Intergenic	NM_212945	mrpl38	4.128390782	5.284961818	-1.156571036	0.028645
peak_34384	chr17	46082260	46083140	107031	Intergenic	NR_029933		7.384584352	8.541305537	-1.156721185	0.006025
peak_32525	chr7	43714170	43715322	8337	Intergenic	NM_131044	eng2a	7.286493676	8.443307329	-1.156813653	0.003918
peak_40281	chr4	38894429	38895219	-486953	Intergenic	NM_001109839	zgc:173617	5.788231132	6.945117143	-1.156886011	0.018886
peak_32556	chr21	43539996	43540966	-54067	intron (NM_001031843, intron 7 of 12)	NM_001012389	tcf7	6.200873779	7.357790921	-1.156917142	0.003941
peak_42773	chr12	2452784	2453185	-295621	Intergenic	NM_131643	sox9a	4.619195203	5.776140277	-1.156945074	0.027594
peak_36448	chr17	36090389	36091024	-31971	Intergenic	NM_131336	sox11a	6.782251097	7.939333511	-1.157082415	0.009437
peak_29723	chr19	9114106	9117025	11227	intron (NM_200597, intron 1 of 4)	NM_200597	efna1a	10.0152277	11.17235866	-1.157130963	0.001871
peak_41970	chr2	39332888	39333273	9851	intron (NM_001256642, intron 2 of 2)	NM_001039833	zgc:136870	4.933017882	6.090304906	-1.157287025	0.024554
peak_42341	chr22	19984747	19985017	26244	intron (NM_001130788, intron 10 of 10)	NM_199573	rgmd	3.774593768	4.932071831	-1.157478064	0.025777
peak_40344	chr6	53325941	53326459	15203	exon (NM_152980, exon 9 of 18)	NM_152980	mst1	4.522798387	5.680344233	-1.157545847	0.019062
peak_38434	chr13	43555500	43556023	140586	intron (NM_214809, intron 8 of 68)	NM_214809	cdh23	5.266465608	6.424130449	-1.157664841	0.013861
peak_34548	chr15	3764640	3765273	-15752	Intergenic	NM_001080055	lpar6a	7.115559783	8.273238855	-1.157679072	0.006246
peak_40005	chr8	34835675	34836140	70399	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	5.032666307	6.190400003	-1.157733696	0.018041
peak_41875	chr4	27858493	27858854	-125573	Intergenic	NR_039293_4		3.991020297	5.148793639	-1.157773342	0.024218
peak_33222	chr4	3330277	3331377	4257	5' UTR (NM_200436, exon 2 of 7)	NM_200436	znf800b	7.733479706	8.891317069	-1.157837363	0.004624
peak_32251	chr3	61353182	61353997	-3533	Intergenic	NM_001020529	tsen54	8.353119878	9.511049292	-1.157929414	0.003644
peak_39558	chr16	58707607	58708581	1881	exon (NM_001083575, exon 2 of 7)	NM_001083575	eomesb	6.993762917	8.15181385	-1.158050933	0.016783
peak_40488	chr20	50989925	50990889	23464	intron (NM_001003855_1, intron 1 of 4)	NM_001003855_1	fut8a	5.900218919	7.058467977	-1.158249058	0.019557
peak_33417	chr3	40514205	40515113	9905	Intergenic	NM_181601	actb2	7.344332832	8.502840662	-1.158507831	0.004835
peak_40853	chr3	32474392	32474777	-4309	Intergenic	NM_181437	prl	5.382989259	6.541694255	-1.158704996	0.020728
peak_38374	chr9	33785564	33786237	923	exon (NM_178100, exon 2 of 2)	NM_178100	olig2	5.178532351	6.337554999	-1.159022649	0.013738
peak_41677	chr16	4509682	4510084	-132382	Intergenic	NM_001110349	vegfaa	4.965832482	6.124910632	-1.15907815	0.023557
peak_31661	chr8	14568730	14569998	-2679	Intergenic	NM_001002472	atp2b3a	8.728591845	9.887720892	-1.159129047	0.003136
peak_36124	chr21	19534914	19535250	-7833	Intergenic	NM_213226	zgc:85869	5.310995162	6.470124892	-1.159129731	0.008781
peak_30874	chr8	19843670	19844409	23017	intron (NM_205637, intron 1 of 19)	NM_205637	rgl1	8.240757523	9.400020062	-1.159262539	0.002541
peak_32900	chr16	15139469	15140878	-35782	Intergenic	NM_001007444	zgc:101640	7.477023749	8.636485039	-1.15946129	0.004283
peak_42224	chr9	817616	817949	-46676	Intergenic	NM_131045	eng1a	4.250349312	5.409947472	-1.159598159	0.0254
peak_38428	chr6	44860592	44860987	-527507	Intergenic	NM_001256392	pdzrn3b	4.225815055	5.385416897	-1.159601842	0.013843
peak_37540	chr16	42937	44158	9181	intron (NM_200627, intron 3 of 10)	NM_200627	cdkal1	5.967610718	7.127240618	-1.1596299	0.011743
peak_37598	chr6	44808344	44808677	-475228	Intergenic	NM_001256392	pdzrn3b	4.524709948	5.68437724	-1.159667293	0.011846
peak_40772	chr9	10441342	10441592	-70892	Intergenic	NM_001003636	hnmt	4.168139123	5.327831263	-1.159692141	0.020495
peak_35778	chr9	15045424	15046226	-264759	Intergenic	NM_212966	nrp2b	6.456355044	7.616165405	-1.159810362	0.008167
peak_34210	chr7	12951772	12952828	-67707	Intergenic	NM_001080993	mex3b	6.426940927	7.586760731	-1.159819804	0.005788
peak_37143	chr19	9780017	9780586	7728	exon (NM_001044879, exon 4 of 13)	NM_001044879	clk2a	5.940238868	7.100106727	-1.15986786	0.01086
peak_41987	chr15	39239903	39240224	48771	intron (NM_001077577, intron 1 of 2)	NM_001077577	fat3a	4.850655209	6.01054848	-1.159893271	0.024611
peak_31790	chr21	5226038	5227239	79115	Intergenic	NM_205680	zgc:77838	7.372787995	8.532710328	-1.159922333	0.003257
peak_42318	chr11	42446126	42446353	53451	intron (NM_131332_1, intron 3 of 3)	NM_131324_1	pax7a	4.164465597	5.324462266	-1.159996669	0.025705
peak_37330	chr5	54895101	54895502	-66833	Intergenic	NM_212961	cdk7	4.618300328	5.778386729	-1.1600864	0.01128
peak_34240	chr12	43267111	43268731	-74	promoter-TSS (NM_001020516)	NM_001020516	dpysl4	8.454962714	9.61506412	-1.160101405	0.005826
peak_37477	chr7	10354978	10355309	248287	Intergenic	NM_212678	chsy1	4.68663467	5.846921944	-1.160287274	0.011623
peak_40943	chr13	3740989	3741686	137202	Intergenic	NM_001163199	dnph1	5.828341271	6.988986828	-1.160645558	0.021102
peak_38193	chr11	941807	942370	-48237	intron (NM_212882_3, intron 7 of 8)	NM_001042731	hrh1	6.832988289	7.993639707	-1.160651418	0.013265

peak_43965	chr15	29015265	29016419	-61629	Intergenic	NM_001076633	zgc:153372	3.585656064	4.746476384	-1.16082032	0.032772
peak_32514	chr13	5213832	5214979	31541	intron (NM_131893, intron 7 of 12)	NM_131893	meis1	7.214591644	8.375461528	-1.160869884	0.003906
peak_38066	chr11	143504	143948	18348	Intergenic	NM_001200058_1	LOC100006857	4.953822712	6.11489439	-1.161071679	0.012918
peak_35091	chr15	46297402	46297808	-27724	Intergenic	NM_001039832_1	lsamp	5.352577963	6.513825626	-1.161247663	0.007019
peak_38290	chr17	34195637	34196596	-9272	Intergenic	NM_001177444	gphna	5.444004846	6.605310558	-1.161305712	0.013499
peak_36619	chr5	43618648	43619146	3418	intron (NM_001256655, intron 2 of 7)	NM_001256655	pigl	5.694322724	6.855648997	-1.161326272	0.009772
peak_42317	chr2	49776114	49776466	174767	Intergenic	NM_001089323	abhd17aa	4.47701655	5.638413382	-1.161396832	0.025705
peak_32383	chr21	6305301	6306252	248458	Intergenic	NM_212591	cdk9	8.101832237	9.26323384	-1.161401602	0.003767
peak_37191	chr5	75609635	75610956	24946	Intergenic	NM_200686	mtfp1	6.573893796	7.73538378	-1.161489984	0.010994
peak_31511	chr7	25627313	25627871	12492	TTS (NM_001083839)	NM_001083839	nat8l	7.546567647	8.708115444	-1.161547798	0.003005
peak_39113	chr13	17038525	17039022	467141	intron (NM_001020701, intron 5 of 6)	NM_001145600	kcnma1a	5.647180119	6.808747328	-1.161567209	0.015575
peak_43219	chr15	21433780	21434182	36879	Intergenic	NM_001271624	tmem136a	4.431772988	5.593368288	-1.161595299	0.029617
peak_35445	chr14	5474730	5475370	-61628	Intergenic	NM_001007158	pcgf1	6.355802914	7.518000855	-1.162197941	0.007563
peak_32200	chr5	70764993	70765639	-17493	Intergenic	NM_001007401	b4galt4	6.525201368	7.687406644	-1.162205276	0.003593
peak_42970	chr6	50160512	50160793	-5330	Intergenic	NM_205610	raly	3.684926177	4.847733516	-1.16280734	0.028486
peak_39397	chr7	8058418	8059040	167671	Intergenic	NM_001007772	zgc:101810	5.961252308	7.124306531	-1.163054223	0.016307
peak_33796	chr5	21657239	21657792	6356	exon (NM_001040343, exon 8 of 12)	NM_001040343	tchp	6.450318877	7.613454298	-1.163135421	0.005251
peak_33507	chr7	69474903	69475428	-8263	Intergenic	NM_001002386	kars	6.151516049	7.314666948	-1.163150899	0.00493
peak_32262	chr14	41069041	41070390	-542155	Intergenic	NM_131782	glra4a	7.14918554	8.312368266	-1.163182727	0.003655
peak_31924	chr22	16702758	16703456	13418	Intergenic	NM_001017879	stx6	6.840309062	8.00350956	-1.163200498	0.003367
peak_34573	chr9	52148093	52148534	362834	Intergenic	NM_001020575	fign	5.356876298	6.520130241	-1.163253943	0.006294
peak_30713	chr21	5247308	5248579	57810	Intergenic	NM_205680	zgc:77838	8.641504638	9.804771518	-1.16326688	0.002437
peak_35562	chr25	428105	428900	-11263	intron (NM_001077771_1, intron 2 of 2)	NM_183342	prickle1a	6.470337166	7.633609645	-1.163272479	0.007776
peak_43683	chr10	15811878	15812214	71271	Intergenic	NM_001201570	tjp2a	4.874922654	6.03863396	-1.163711306	0.031636
peak_33119	chr23	40119668	40121823	-73275	Intergenic	NM_001142955	minos1	6.683643477	7.847361598	-1.163718121	0.004528
peak_37866	chr19	15432221	15432563	-15746	Intergenic	NM_199211	ctps1a	4.678071896	5.841833003	-1.163761107	0.01244
peak_37868	chr3	19401626	19402061	-8495	Intergenic	NM_001037561	zgc:123297	5.561130955	6.725064509	-1.163933554	0.012442
peak_36767	chr22	41020840	41021712	13420	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	7.413834636	8.577896316	-1.164061679	0.010051
peak_36135	chr17	37952332	37952771	10823	Intergenic	NM_001077153	zfp36l1a	5.031994474	6.196345547	-1.164351073	0.008806
peak_33539	chr15	3501809	3502412	-92919	Intergenic	NM_001080055_1		6.683203176	7.847598134	-1.164394958	0.004958
peak_41288	chr1	53548452	53549143	206640	Intergenic	NM_001039565	il15	4.801740793	5.966148711	-1.164407918	0.022286
peak_37185	chr6	10230900	10231520	-14638	Intergenic	NM_001044895	scn1lab	5.725894197	6.890335391	-1.164441194	0.010983
peak_36935	chr2	2893936	2894573	5611	intron (NM_207059, intron 2 of 3)	NM_207059	aqp1a.1	6.121125784	7.285640606	-1.164514823	0.01041
peak_40385	chr25	37873249	37874076	224399	intron (NM_200913, intron 8 of 8)	NM_200913	wwox	6.24687951	7.411448671	-1.164569161	0.019197
peak_32732	chr6	5349976	5350703	815335	Intergenic	NM_001201446	rtn4a	6.30850078	7.473088084	-1.164587304	0.004116
peak_40199	chr11	5268613	5269047	-284180	Intergenic	NM_201450	cse1l	5.368662153	6.533382676	-1.164720523	0.018598
peak_37519	chr24	43796175	43796757	12508	Intergenic	NM_199918		5.008924139	6.173677725	-1.164753586	0.011713
peak_33068	chr7	17184162	17184915	70324	intron (NM_001017735, intron 4 of 6)	NM_001017735	mpped2a	8.26824947	9.433054572	-1.164805102	0.004469
peak_43306	chr11	1437897	1438384	36905	intron (NM_001020537, intron 3 of 12)	NM_001020537	phactr3b	4.50838037	5.673276262	-1.164895892	0.030027
peak_36588	chr4	13797894	13798991	6023	intron (NM_001040252, intron 6 of 7)	NM_001040252	cmasa	6.250043629	7.414940789	-1.164897161	0.009713
peak_40231	chr18	10779692	10780301	-336550	Intergenic	NM_001045135	si:ch211-59c24.1	5.209829719	6.374767757	-1.164938038	0.018706
peak_40408	chr3	41594004	41594435	-48200	Intergenic	NM_001013277	gna12a	4.692598516	5.857634128	-1.165035612	0.019271
peak_39467	chr1	39891940	39892246	-14643	Intergenic	NM_130968	tenm3	4.497658046	5.662717449	-1.165059403	0.016482
peak_32743	chr20	50679293	50680202	-128086	Intergenic	NM_001144797	LOC569213	6.660741649	7.825988533	-1.165246884	0.004127
peak_35381	chr23	31643689	31644468	-52	promoter-TSS (NM_001002197)	NM_001002197	sh3bgrl2	6.640338389	7.805674595	-1.165336205	0.007466
peak_37844	chr1	17612996	17614177	-22736	Intergenic	NM_001161335	zgc:195282	6.744105326	7.909466946	-1.16536162	0.012398
peak_33626	chr1	59602265	59602925	-73707	Intergenic	NM_001034182	sid4	6.084889623	7.2502643	-1.165374677	0.005056
peak_39747	chr1	30549882	30550408	-117341	Intergenic	NM_178296	gli1	5.604305586	6.769751829	-1.165446243	0.017245
peak_41496	chr1	30713074	30713539	45820	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	4.095254858	5.260862804	-1.165607945	0.022901
peak_33907	chr18	10792510	10793133	-349375	Intergenic	NM_001045135	si:ch211-59c24.1	6.173972005	7.339581803	-1.165609799	0.005422
peak_39579	chr10	28968804	28969413	-19420	Intergenic	NM_001020535	ptrh2	5.792600791	6.958214669	-1.165613878	0.016829
peak_35822	chr1	49773048	49774017	-41374	Intergenic	NM_001115060	cxcl-c1c	6.85293938	8.018622617	-1.165683237	0.00824
peak_42717	chr2	54163171	54163584	-42794	Intergenic	NM_200690	ranbp3b	4.003411208	5.169193278	-1.16578207	0.027342
peak_38665	chr3	26663435	26663962	7754	Intergenic	NM_212762	rps15a	4.568099124	5.73402291	-1.165923785	0.014351
peak_36757	chr21	278127	278725	4880	intron (NM_213272, intron 1 of 4)	NM_213272	jmy	5.57367646	6.739719059	-1.166042598	0.010027
peak_32293	chr13	45057428	45058236	300316	Intergenic	NM_001030175	zfand3	6.985274997	8.151399159	-1.166124162	0.003686
peak_37695	chr18	8162753	8163276	-114189	Intergenic	NM_001002177	impdh1a	5.988558145	7.154708132	-1.166149987	0.012028
peak_40669	chr2	58025103	58025480	-73913	Intergenic	NM_001242942	pias4b	4.984744196	6.150924181	-1.166179985	0.020164
peak_33670	chr2	41484699	41485510	58631	intron (NM_001020567, intron 1 of 14)	NM_001020567	zgc:110158	6.417167945	7.583421015	-1.16625307	0.005119
peak_40646	chr17	32777114	32777656	43	promoter-TSS (NM_001076587)	NM_001076587	eva1a	6.30094285	7.467226444	-1.166283594	0.020067
peak_40551	chr13	1143088	1143607	36668	Intergenic	NM_001110393	olig3	4.693448485	5.859935326	-1.166486841	0.019808
peak_42020	chr19	865172	865714	-19466	Intergenic	NM_131679	eomesa	4.710392536	5.876905519	-1.166512983	0.024747
peak_41943	chr20	26369253	26369585	43556	Intergenic	NM_152959	esr1	3.542799588	4.709316508	-1.166516921	0.024497
peak_32298	chr17	8319246	8319668	88564	Intergenic	NM_001080601	fzd3b	6.367064887	7.533620555	-1.166555668	0.003689
peak_42564	chr23	15050265	15050576	-1329	Intergenic	NM_199797	ndrg3b	4.217566349	5.384210269	-1.16664392	0.026707
peak_42521	chr6	37713522	37713734	-15569	Intergenic	NM_001006062	nipa1	4.088808875	5.255491628	-1.166682753	0.026505
peak_35914	chr17	12864442	12865452	-5772	Intergenic	NM_200131	ppp2r3c	6.303204414	7.469912955	-1.166708541	0.00838
peak_36084	chr15	4491399	4492830	-16498	Intergenic	NM_001197329	eif4h	6.359319741	7.526048535	-1.166728794	0.008693
peak_40893	chr16	19401773	19402303	5039	intron (NM_001109824, intron 1 of 9)	NM_001109824	zyx	4.644959288	5.811699525	-1.166740237	0.020898
peak_42726	chr8	16666465	16667182	111640	Intergenic	NM_001007064	dmrta2	5.027917577	6.194672041	-1.166754464	0.027393
peak_40283	chr19	35645756	35646084	-15692	3' UTR (NM_001077280, exon 5 of 5)	NM_001007353	rp9	4.744515468	5.911323667	-1.166808199	0.018901
peak_41416	chr25	13305266	13305701	13028	intron (NM_001122702, intron 1 of 4)	NM_001122702	LOC569861	4.273336808	5.440323253	-1.166986444	0.022659
peak_32813	chr19	29270405	29271161	4291	Intergenic	NM_213122	sox4a	7.444754861	8.611751244	-1.166996383	0.004186
peak_39940	chr7	74928446	74928856	80702	Intergenic	NM_207061	tollip	5.571828732	6.738986281	-1.16715755	0.017847
peak_35087	chr16	928087	928489	107638	Intergenic	NM_207185	irx1a	5.284661742	6.451945087	-1.167283345	0.007014
peak_36278	chr17	9007959	9008427	-186408	Intergenic	NM_001077768	zranb1b	5.298167948	6.465494536	-1.167326588	0.009085
peak_31040	chr13	42647270	42647889	-16687	Intergenic	NM_001145708	cyp1b1	7.851993633	9.019355393	-1.16736176	0.002648
peak_32308	chr10	43974891	43975532	20379	intron (NM_001161732, intron 1 of 17)	NM_001161732	fgfr1b	8.31321684	9.480685109	-1.167468268	0.003698
peak_43406	chr18	11649127	11649692	53086	intron (NM_001177933, intron 4 of 17)	NM_001177933	fgd4a	5.246266606	6.413858593	-1.167591987	0.030437
peak_41393	chr3	3846901	3847410	99711	Intergenic	NM_001114556	zgc:171446	5.134699206	6.302383762	-1.167684557	0.022605
peak_43123	chr7	70015149	70015573	-162986	Intergenic	NM_205546	hnf4b	4.930899184	6.098630638	-1.167731454	0.029121
peak_40514	chr13	49367013	49368460	34861	intron (NM_001159668, intron 11 of 20)	NM_182860	msh6	6.884827505	8.052561044	-1.167733539	0.019644
peak_37563	chr23	38899952	38900760	-145712	Intergenic	NM_001080609	sall4	5.110645842	6.27842417	-1.167778329	0.01177
peak_39260	chr15	37729747	37730593	225252	intron (NM_131481, intron 12 of 28)	NM_131481	robo1	5.700279607	6.868058611	-1.167779004	0.015997
peak_36046	chr8	52902401	52903431	-89770	Intergenic	NM_001002647	egr3	6.820559039	7.988343226	-1.167784186	0.00861
peak_36481	chr16	16454	17462	3063	Intergenic	NM_212911_1	sapcd2	6.352846984	7.520669535	-1.16782255	0.009509
peak_38052	chr18	8520562	8521031	-40032	Intergenic	NM_001128343	grm3	4.6900456	5.85794817	-1.16790257	0.012895
peak_40864	chr17	3155594	3155914	17469	intron (NM_001126427, intron 1 of 16)	NM_001126427	LOC569320	4.373443367	5.541454055	-1.168010688	0.020764
peak_37668	chr18	5733458	5733850	-13385	Intergenic	NM_001045382	tnni1c	5.138412798	6.306443278	-1.16803048	0.011977
peak_38108	chr25	5288133	5288397	-3707	Intergenic	NM_001012616	drd4a	4.637028662	5.80509897	-1.168070308	0.013012
peak_31664	chr8	20635788	20636913	39722	intron (NM_001013278, intron 5 of 17)	NM_001013278	rfx2	7.26517986	8.433286061	-1.168106201	0.00314
peak_33829	chr16	21717947	21718979	60805	Intergenic	NM_001199766	macc1	6.321236854	7.489364944	-1.168128091	0.005289
peak_35764	chr16	46947221	46947716	32902	intron (NM_001039635, intron 1 of 7)	NM_001039635	zfpm2a	5.010971152	6.179162199	-1.168191047	0.008145
peak_41661	chr20	41114997	41115551	314278	Intergenic	NM_001100023	si:dkey-233p4.1	5.381935135	6.550407098	-1.168471962	0.023482
peak_39990	chr15	33279505	33280012	1210	exon (NM_001137661, exon 1 of 24)	NM_001137661	frem2b	4.398739775	5.567311175	-1.1685714	0.018009
peak_41418	chr23	42745995	42746355	88089	intron (NM_001127473, intron 2 of 3)	NM_001079852	cyp2aa3v1	4.820581735	5.989291992	-1.168710258	0.022665
peak_30304	chr19	4421039	4422026	-76145	Intergenic	NR_039149		8.57279379	9.741601602	-1.168807812	0.002196
peak_43776	chr1	2428222	2428675	-41294	Intergenic	NM_001109719	zgc:171629	4.975689123	6.144747561	-1.169058437	0.032103
peak_34685	chr10	38470396	38471053	-7510	Intergenic	NM_001077461	cuedc1a	6.505935071	7.675207073	-1.169272002	0.00642
peak_32148	chr15	21420051	21420650	23248	Intergenic	NM_001271624	tmem136a	6.617180954	7.786458864	-1.16927791	0.00354
peak_35048	chr13	272079	273528	-37767	Intergenic	NM_199627	lgi1a	7.146230561	8.315547423	-1.169316862	0.006943
peak_33016	chr1	39062897	39064267	47722	intron (NM_214687, intron 1 of 6)	NM_214687	gpm6ab	7.652557028	8.822070421	-1.169513393	0.004416
peak_37194	chr16	23843102	23843915	37147	Intergenic	NM_001045163	si:ch211-154o6.2	7.614154297	8.783733172	-1.169578876	0.010997
peak_35454	chr11	12187087	12187925	-709	promoter-TSS (NM_001287077)	NM_001287077	socs7	5.035350516	6.205171508	-1.169820992	0.007572
peak_38986	chr20	2683978	2684577	12465	intron (NM_205617, intron 7 of 12)	NM_205617	zgc:109719	5.519926288	6.689810094	-1.169883806	0.015235

peak_41560	chr21	15984699	15985032	9142	Intergenic	NM_001018132	barhl1b	5.124614504	6.294571811	-1.169957307	0.023161
peak_34397	chr11	29064160	29064746	-30528	Intergenic	NM_001033094_1	ephb2b	6.605912842	7.775994486	-1.170081644	0.00605
peak_42393	chr7	17203613	17204103	-76435	intron (NM_001017735, intron 4 of 6)	NM_001008650	zdhhc13	4.859057077	6.02920369	-1.170146613	0.026006
peak_35614	chr9	2714091	2714713	-46504	Intergenic	NM_001089498	sp3a	7.131364193	8.301597594	-1.170233402	0.00787
peak_33146	chr7	76760998	76761910	-6704	Intergenic	NM_001076724	casq1b	5.849511766	7.019806096	-1.17029433	0.00455
peak_41300	chr13	49361097	49361509	31787	intron (NM_001159668, intron 8 of 20)	NM_001159668	fbxo11a	4.846075989	6.016444799	-1.170368811	0.022317
peak_39459	chr21	5211211	5211576	94360	Intergenic	NM_205680	zgc:77838	4.954531943	6.125148532	-1.170616589	0.01646
peak_36488	chr17	10231562	10232274	51353	Intergenic	NM_131284	foxa1	7.45823162	8.628910598	-1.170678978	0.009523
peak_33697	chr3	42071842	42072304	-13173	Intergenic	NM_001162443	snx8a	6.291149928	7.461846194	-1.170696266	0.005141
peak_34763	chr17	6472075	6473101	-56875	Intergenic	NM_001199767	lace1a	6.991538716	8.162237352	-1.170698637	0.006506
peak_38346	chr12	31920142	31920487	14939	Intergenic	NM_001164028	tdrd1	4.684926177	5.855760325	-1.170834149	0.013643
peak_42987	chr21	8491727	8492534	186740	Intergenic	NM_001076741	esm1	6.118913033	7.28978509	-1.170872057	0.028595
peak_38751	chr9	50336880	50337505	-424928	Intergenic	NM_001113604	nostrin	5.5290295	6.699971665	-1.170942165	0.014607
peak_39424	chr12	23119939	23120254	80387	Intergenic	NM_001020680	mrpl27	4.683215657	5.85418481	-1.170969153	0.016377
peak_32063	chr1	52025551	52026439	-20095	intron (NM_131897, intron 9 of 12)	NM_001111157	etaa1	8.329550301	9.50069735	-1.171147049	0.003485
peak_37681	chr25	2071812	2072224	-97914	Intergenic	NM_001102567	pparab	5.199061934	6.370241777	-1.171179843	0.011996
peak_34732	chr2	10172301	10172984	5396	intron (NM_213146, intron 1 of 11)	NM_213146	wls	6.769149891	7.940453227	-1.171303335	0.006463
peak_39630	chr19	28380786	28381106	36415	intron (NM_199711, intron 18 of 18)	NM_199711	nsun2	4.519926288	5.69137772	-1.171451432	0.016957
peak_34857	chr17	31714761	31715781	3500	intron (NM_131462, intron 3 of 4)	NM_131462	vsx2	6.785244213	7.956945728	-1.171701515	0.006649
peak_39082	chr18	14994391	14994766	-34996	Intergenic	NM_205712	rfx4	4.47306213	5.644800683	-1.171738552	0.015467
peak_32625	chr1	53570609	53571261	184502	Intergenic	NM_001039565	il15	8.159245372	9.331085796	-1.171840424	0.004003
peak_35735	chr15	4538307	4538880	-62977	Intergenic	NM_001197329	eif4h	5.41795454	6.589822018	-1.171867479	0.008105
peak_32789	chr9	17864754	17865914	371	exon (NM_001005305, exon 1 of 9)	NM_001005305	slain1a	8.291921783	9.463858587	-1.171936804	0.004165
peak_38082	chr16	34373988	34374946	8407	Intergenic	NM_001004591	leng1	6.019827899	7.191834761	-1.172006862	0.012961
peak_32218	chr5	51333039	51334157	-193975	Intergenic	NM_131180	nr2f1a	7.009586891	8.181653451	-1.17206656	0.003607
peak_42236	chr9	54089785	54090259	30171	intron (NM_001089475, intron 8 of 15)	NM_001089475	nme8	5.072528658	6.244640482	-1.172111824	0.025423
peak_43533	chr6	58607668	58608009	6529	intron (NM_207099, intron 2 of 9)	NM_207099	igsf8	4.422575411	5.594974033	-1.172398621	0.030898
peak_39960	chr8	7151685	7152328	5417	intron (NM_001130781, intron 2 of 7)	NM_001130781	vsig8b	4.991020297	6.163499066	-1.172478769	0.017926
peak_39540	chr20	45309510	45309994	553863	Intergenic	NM_001080702	zgc:158643	4.908295128	6.081243949	-1.172948822	0.016742
peak_35287	chr13	35567504	35568340	7109	intron (NM_131863, intron 2 of 25)	NM_131863	jag1b	7.111927224	8.284927699	-1.173000475	0.007308
peak_39859	chr5	67412388	67412819	24006	Intergenic	NM_131692	cmlc1	5.169361555	6.34237685	-1.173015295	0.017575
peak_43769	chr7	65272848	65273435	18841	Intergenic	NM_131287	sox17	4.595693089	5.768738501	-1.173045413	0.032082
peak_38820	chr5	47481092	47481595	6613	intron (NM_001034984, intron 1 of 25)	NM_001034984	slc4a4a	5.601617815	6.774996604	-1.173378789	0.014813
peak_43605	chr6	41414229	41414569	19733	exon (NM_001009897, exon 2 of 9)	NM_001009897	twf2	4.174240955	5.347704026	-1.173463071	0.031246
peak_38790	chr17	52982493	52983133	67466	Intergenic	NM_001128292	prox2	5.643226354	6.816706978	-1.173480624	0.014728
peak_31967	chr6	2780062	2780800	-351158	Intergenic	NM_200334	hyi	6.577121152	7.750611338	-1.173490185	0.003401
peak_35211	chr12	32018791	32019620	112	exon (NM_001128689, exon 1 of 1)	NM_001128689	adrb1	5.778627777	6.952131225	-1.173503448	0.0072
peak_35598	chr1	55751101	55752534	-1767	Intergenic	NM_001111238	mri1	7.679687548	8.853237657	-1.173550108	0.00784
peak_37095	chr20	51900030	51900573	-3442	Intergenic	NM_212800	disp1	5.348806386	6.522456055	-1.17364967	0.010761
peak_38178	chr12	49188283	49188947	140801	Intergenic	NM_001276496	polr3a	5.560199318	6.734082554	-1.173883236	0.013216
peak_39281	chr23	6315105	6315381	186796	Intergenic	NM_200558	mybpha	4.42564779	5.599601192	-1.173953402	0.016026
peak_36668	chr5	39255454	39255950	6304	intron (NM_001099989, intron 2 of 40)	NM_001099989	LOC558044	5.715446952	6.889430082	-1.17398313	0.009861
peak_43083	chr2	3686673	3687068	-8259	Intergenic	NM_001045363	wnt9a	4.388278976	5.562392097	-1.174113121	0.028942
peak_37214	chr18	2697467	2697926	112119	Intergenic	NM_001045470	fam168a	5.973570984	7.147812644	-1.17424166	0.011034
peak_36633	chr16	742810	743463	-77505	Intergenic	NM_207184	irx1a	5.145920112	6.32018993	-1.174269819	0.00981
peak_34203	chr5	71658929	71660071	27856	Intergenic	NM_001128529	mepce	7.384839797	8.559137741	-1.174297944	0.005778
peak_42012	chr1	38161666	38162027	-647	promoter-TSS (NM_001145602)	NM_001145602	si:ch211-15e22.3	4.160782694	5.335122264	-1.17433957	0.024725
peak_31341	chr7	23564962	23566021	-1364	Intergenic	NM_001012380	fgf11a	6.716701696	7.89107858	-1.174376884	0.002876
peak_36877	chr13	40512944	40513291	-5563	Intergenic	NM_131858	sfrp5	5.339573906	6.513991035	-1.174417129	0.010306
peak_34052	chr25	14278147	14278904	62	promoter-TSS (NM_001003518)	NM_001003518	chst1	6.550808663	7.725240663	-1.174431999	0.005588
peak_30603	chr23	42762833	42764025	70835	intron (NM_001127473, intron 2 of 3)	NM_001079852	cyp2aa3v1	7.875176293	9.049630903	-1.17445461	0.002367
peak_36945	chr2	45879589	45880008	-133386	Intergenic	NM_001045316	fam102ba	5.054040039	6.228670232	-1.174630192	0.01044
peak_38852	chr2	39580320	39580772	-117291	Intergenic	NM_001002667	slc25a36a	5.538075632	6.712845381	-1.174769749	0.014885
peak_40552	chr1	42160915	42161351	39153	intron (NM_001007352, intron 4 of 5)	NM_001007352	rnf24	4.791410378	5.966219851	-1.174809473	0.019811
peak_42910	chr12	45058628	45058852	-282052	Intergenic	NM_001110011_1	dock1	3.851417001	5.026414295	-1.174997294	0.028186
peak_34634	chr2	43656229	43656747	-13796	Intergenic	NM_212928	itgb1b.2	5.617404898	6.792416045	-1.175011147	0.006358
peak_33129	chr14	40570763	40571359	-43501	Intergenic	NM_131782	glra4a	6.573880333	7.748938646	-1.175058313	0.004536
peak_42403	chr5	62579665	62579965	13442	intron (NM_001013530, intron 3 of 6)	NM_001013530	tmem248	4.377680074	5.552821997	-1.175141922	0.026052
peak_32411	chr5	19002472	19003030	-491020	Intergenic	NM_001004640	atad1a	6.582420998	7.757935608	-1.17551461	0.0038
peak_43568	chr2	5400302	5400848	-29341	Intergenic	NM_131727	sst2	5.284694646	6.460404761	-1.175710114	0.031085
peak_42965	chr6	46881908	46882237	-3648	Intergenic	NM_001014317	igfn1.1	4.362796846	5.538600473	-1.175803627	0.028466
peak_33535	chr2	35527274	35528589	-47144	Intergenic	NM_001201444	dhx9	7.08067278	8.256607111	-1.175934331	0.004955
peak_34894	chr3	12676978	12677771	45822	exon (NM_001110762, exon 3 of 3)	NM_001110762	vasnb	5.7624945	6.938440495	-1.175945995	0.006712
peak_34655	chr20	32045644	32046109	38010	Intergenic	NM_201332	rab32a	5.759227137	6.935201541	-1.175974404	0.006388
peak_34495	chr7	54514587	54515623	-62207	Intergenic	NM_131025	ccnd1	7.193665276	8.369658467	-1.175993191	0.006185
peak_34468	chr8	3301759	3302235	50007	Intergenic	NM_001040010	lhx2b	5.68407117	6.860071288	-1.176000118	0.006144
peak_39844	chr19	33598841	33599414	187542	Intergenic	NM_001004682	fabp11a	4.988944759	6.165004932	-1.176060172	0.017552
peak_42475	chr10	7108149	7108474	-74	promoter-TSS (NM_001109856)	NM_001109856	zgc:173443	4.021202373	5.19726667	-1.176064297	0.026335
peak_42706	chr12	50395482	50395774	-1690	intron (NM_200591, intron 5 of 7)	NM_001114902	zgc:175139	4.253810789	5.429884504	-1.176073715	0.027312
peak_40582	chr8	1554017	1554387	94385	Intergenic	NM_131026_1	efna5b	4.611121277	5.787200184	-1.176078907	0.019903
peak_31654	chr5	9805117	9806066	1679	TTS (NM_201339_1)	NM_201339_1	tal2	7.906371954	9.08251513	-1.176143176	0.003129
peak_43028	chr10	9987917	9988474	307255	Intergenic	NR_029938		4.85825509	6.034449804	-1.176194714	0.028746
peak_41960	chr7	66922724	66923115	52136	Intergenic	NM_001079987	tmem41b	5.042745355	6.219028456	-1.176283101	0.02453
peak_33872	chr15	46428276	46429058	100	promoter-TSS (NM_207070)	NM_207070	phox2a	8.163771296	9.340234892	-1.176463596	0.005363
peak_39116	chr8	50278484	50279012	221983	Intergenic	NM_001128254	mfn2	5.495222926	6.671842865	-1.17661994	0.015596
peak_40504	chr14	44797301	44797769	388234	Intergenic	NM_001115099	pcdh18b	4.981964068	6.158655622	-1.176691554	0.019613
peak_38006	chr5	8740258	8740664	102383	Intergenic	NM_131457	bmpr1ba	4.657260644	5.834128812	-1.176868168	0.012769
peak_37154	chr10	5063301	5063915	34453	Intergenic	NM_001002226	enoph1	6.426414864	7.603288687	-1.176873824	0.010897
peak_40942	chr17	2210403	2210811	112557	Intergenic	NM_001163923	ccbe1	4.733765494	5.910923369	-1.177157875	0.0211
peak_38298	chr7	48287529	48288058	103032	Intergenic	NM_001195407	tshz3b	5.282403856	6.459575988	-1.177172132	0.013514
peak_34256	chr13	17230873	17231838	281980	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	7.402008448	8.579202934	-1.177194486	0.00584
peak_38348	chr24	29422530	29423169	-60714	Intergenic	NM_001002206	abca4a	6.236677309	7.413962388	-1.177285079	0.013654
peak_36616	chr15	29987259	29987664	126565	intron (NM_201109, intron 7 of 14)	NM_201109	msi2b	4.868119378	6.04541784	-1.177298462	0.009765
peak_34684	chr17	23384409	23385285	-1744	Intergenic	NM_213480	pank1a	7.756574359	8.934014406	-1.177440047	0.00642
peak_34050	chr17	2090854	2091552	-6847	Intergenic	NM_001163923	ccbe1	6.565534493	7.742984357	-1.177449864	0.005587
peak_36885	chr7	764552	765031	35490	Intergenic	NM_205541	drap1	5.354191339	6.531741079	-1.177549739	0.01032
peak_38597	chr12	46498434	46499011	122713	Intergenic	NM_212942	fbxl15	5.533308462	6.710880141	-1.177571679	0.014215
peak_38906	chr21	6954199	6954804	-142110	Intergenic	NM_001003459	crhbp	5.931937913	7.109618365	-1.177680452	0.014988
peak_42610	chr21	43972255	43972716	-55398	intron (NM_001012389, intron 3 of 10)	NM_001001404	vdac1	4.717979719	5.895689587	-1.177709869	0.026897
peak_33164	chr3	24059682	24060667	-2	promoter-TSS (NM_131115)	NM_131115	hoxb1a	6.844152519	8.021928819	-1.1777763	0.004568
peak_30253	chr17	27122368	27123168	-7789	Intergenic	NM_152967	id3	8.572270668	9.750076199	-1.177805532	0.00217
peak_36919	chr20	45489144	45489595	374246	Intergenic	NM_001080702	zgc:158643	4.815079557	5.99294686	-1.177867303	0.010392
peak_41283	chr21	23460260	23460818	229639	intron (NM_001113551, intron 1 of 11)	NM_001113551	cadm1a	4.748610487	5.926520854	-1.177910367	0.022267
peak_35478	chr8	26883242	26883631	-4130	exon (NM_001045210, exon 14 of 14)	NM_213143	arih2	5.477510091	6.655721891	-1.1782118	0.007619
peak_31208	chr25	31932449	31933231	101969	Intergenic	NR_030401		7.463612182	8.64187543	-1.178263248	0.002766
peak_33195	chr7	38774290	38774764	5090	intron (NM_001146014, intron 1 of 2)	NM_001146014	sall1a	6.318744063	7.497236634	-1.17849257	0.004595
peak_31994	chr16	30824601	30825545	279	intron (NM_001128768, intron 1 of 3)	NM_001128768	acbd7	6.971470171	8.150115741	-1.178645569	0.003424
peak_42938	chr18	40769697	40770026	30110	intron (NM_199804, intron 2 of 22)	NM_199804	cntn5	4.874922654	6.05385659	-1.178933936	0.028312
peak_31352	chr13	41105673	41107449	67831	Intergenic	NM_213119	slc25a28	7.752711757	8.931676315	-1.178964559	0.002886
peak_43802	chr25	33215118	33215456	55747	Intergenic	NM_001008639	zgc:101540	3.83917979	5.018214119	-1.179034328	0.0322
peak_32126	chr13	38305611	38306261	-254798	Intergenic	NM_001256713	si:dkey-188i13.1	6.956470206	8.135658079	-1.179187873	0.003523
peak_29226	chr7	34348635	34349838	8613	intron (NM_131518, intron 1 of 7)	NM_131518	cd81	8.759993959	9.939323494	-1.179329535	0.001621
peak_37917	chr13	5211800	5212479	33807	intron (NM_131893, intron 7 of 12)	NM_131893	meis1	5.142811937	6.322317886	-1.179505948	0.012556
peak_33246	chr7	61527834	61528500	-127594	Intergenic	NM_001130770	zgc:194930	6.158612029	7.338260859	-1.17964883	0.004647
peak_30747	chr14	34697694	34698772	-31	promoter-TSS (NM_001166124)	NM_001166124	apln	7.588393703	8.768149272	-1.179755569	0.002455

peak_43353	chr7	74163681	74164338	229455	Intergenic	NM_001006020_1	ccdc149a	5.832182931	7.011960534	-1.179777603	0.030241
peak_37090	chr4	13032772	13033683	4510	intron (NM_001030098, intron 2 of 7)	NM_001030098	prickle1b	6.628139488	7.808018014	-1.179878527	0.010757
peak_42805	chr9	47018989	47019484	111735	intron (NM_001039358, intron 15 of 24)	NM_001005956	twist2	5.381935135	6.561928722	-1.179993586	0.027706
peak_35862	chr25	2712424	2713202	-49912	Intergenic	NM_001079965	adpgk	6.60592601	7.786145136	-1.180219126	0.008311
peak_30381	chr13	31663777	31664828	180	exon (NM_199652, exon 1 of 7)	NM_199652	rtn1a	7.604438338	8.78471483	-1.180276492	0.002238
peak_37264	chr2	59164431	59165474	73575	intron (NM_212882_1, intron 3 of 9)	NM_212882_1		6.738532944	7.918930098	-1.180397154	0.011143
peak_34589	chr15	34741013	34741974	191867	Intergenic	NM_001080189_1	zgc:158328	6.234634996	7.415034035	-1.180399039	0.006308
peak_34784	chr15	22767291	22767857	6070	intron (NM_001110279, intron 1 of 34)	NM_001110279	kmt2a	6.486898337	7.667386618	-1.180488281	0.006537
peak_39511	chr14	8343750	8344071	45006	intron (NM_001145091, intron 3 of 10)	NM_001145091	nrg2b	4.489851149	5.670374341	-1.180523192	0.01666
peak_39398	chr15	26441648	26442437	165210	intron (NM_200622, intron 22 of 24)	NM_200622	bcas3	6.638574146	7.81913222	-1.180558074	0.016308
peak_41238	chr8	50431235	50432237	-330521	Intergenic	NM_001128741	zgc:195023	6.181564593	7.362126792	-1.180562199	0.022139
peak_37548	chr11	715184	715520	2976	intron (NM_001037576, intron 1 of 4)	NM_001037576	syn2b	4.830661017	6.011303553	-1.180642536	0.011756
peak_40000	chr24	3612023	3612421	55540	Intergenic	NM_001168264	wdr37	4.85293938	6.033589559	-1.180650179	0.018023
peak_32637	chr9	16100499	16101044	-377665	Intergenic	NM_200144	upp2	5.674176886	6.855006048	-1.180829162	0.004016
peak_39168	chr16	15186473	15186789	10676	exon (NM_001007444, exon 5 of 10)	NM_001007444	zgc:101640	4.552201346	5.733059097	-1.180857751	0.015749
peak_38867	chr3	45749684	45750422	24452	intron (NM_001080019, intron 1 of 2)	NM_001080019	gpr146	6.376932939	7.557831717	-1.180898778	0.014918
peak_37203	chr2	3635870	3636208	16659	intron (NM_001007185, intron 1 of 4)	NM_001007185	wnt3a	4.795374608	5.97640403	-1.181029423	0.01101
peak_30816	chr23	32053554	32054682	47	promoter-TSS (NM_131266)	NM_131266	cmyb	7.687067702	8.868107792	-1.181040091	0.002504
peak_37888	chr13	54001283	54001877	-45395	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	4.390377213	5.571518436	-1.181141223	0.012481
peak_42157	chr12	44353235	44353553	836	intron (NM_001034970, intron 1 of 1)	NM_001034970	zgc:111868	4.074449378	5.255626724	-1.181177346	0.025177
peak_41048	chr11	33083960	33084369	451337	Intergenic	NM_001160822	pcdh17	4.868872007	6.050179694	-1.181307688	0.021497
peak_33300	chr3	61928201	61929161	-71786	Intergenic	NM_001200039	bri3	5.380352505	6.561707325	-1.18135482	0.004701
peak_36600	chr17	52707033	52707807	-86975	Intergenic	NM_194386	tgfb3	6.147799897	7.329285142	-1.181485246	0.009739
peak_40360	chr18	49438188	49438811	52183	Intergenic	NM_001080621	zgc:158464	5.97252096	7.154069971	-1.181549011	0.019111
peak_36874	chr19	3907026	3907478	36679	Intergenic	NM_131519	edn1	5.517528496	6.699094093	-1.181565597	0.010301
peak_35994	chr2	5764807	5765178	-6913	Intergenic	NM_001013471	prdx1	4.521841655	5.703497702	-1.181656046	0.008516
peak_41031	chr3	63175753	63176311	8420	Intergenic	NM_131644	sox9b	5.040074882	6.221868285	-1.181793403	0.021422
peak_40241	chr5	5055108	5055835	65467	intron (NM_001025168, intron 2 of 8)	NM_001025168	lmx1ba	6.396638451	7.578452776	-1.181814325	0.018748
peak_30355	chr23	36518058	36518981	13728	intron (NM_131664, intron 2 of 8)	NM_131664	lima1	8.8893238	10.07123003	-1.181906229	0.002226
peak_36523	chr21	24296473	24296832	33966	intron (NM_001082863, intron 1 of 8)	NM_001082863	jam3b	5.570414389	6.752369325	-1.181954937	0.009594
peak_38266	chr6	51141484	51142049	383028	Intergenic	NM_001130610	rbl1	5.228163191	6.41025992	-1.182096729	0.013421
peak_39451	chr1	21513099	21513609	17884	intron (NM_198071, intron 4 of 25)	NM_198071	prom1b	5.150879304	6.333049229	-1.182169925	0.016428
peak_38971	chr10	43123420	43124147	-6990	Intergenic	NM_001110035	rnf34b	6.575047252	7.757286463	-1.182239211	0.015189
peak_31955	chr21	37412299	37412915	139773	Intergenic	NM_001080058	zgc:158291	7.602629615	8.784879664	-1.182250049	0.003386
peak_40711	chr12	42306525	42306804	-823079	Intergenic	NM_212880	zgc:76887	4.385125888	5.567497086	-1.182371197	0.020277
peak_38161	chr3	49078718	49079086	-302628	Intergenic	NM_001110108	fn3krp	4.810385827	5.992879652	-1.182493825	0.013161
peak_31195	chr12	33416022	33416638	-4849	Intergenic	NM_213382	srsf2a	6.805272193	7.987915591	-1.182643398	0.002755
peak_35171	chr17	19657848	19658583	72795	Intergenic	NR_030652		5.480988878	6.66369149	-1.182702613	0.007147
peak_33593	chr3	42034641	42035229	-50311	Intergenic	NM_001162443	snx8a	7.369209698	8.551970484	-1.182760786	0.005016
peak_32781	chr15	35480791	35481380	56251	Intergenic	NM_183070	sst1.1	5.860549344	7.043351213	-1.182801868	0.004159
peak_33260	chr19	49216951	49218319	12295	Intergenic	NM_001033586	tpmt.2	8.905315025	10.08820324	-1.182888211	0.004659
peak_42205	chr7	74926719	74927206	79013	Intergenic	NM_207061	tollip	3.440971353	4.623901954	-1.182930601	0.025346
peak_39111	chr7	64629710	64630259	661998	Intergenic	NM_131287	sox17	4.89131342	6.07446776	-1.183154339	0.015558
peak_37030	chr3	61214	61591	10727	intron (NM_205681, intron 6 of 11)	NM_205681	amdhd2	5.232882137	6.41608963	-1.183207493	0.010627
peak_39213	chr3	19757880	19758453	28813	intron (NM_001045364, intron 2 of 4)	NM_001045364	rnd2	4.940954807	6.124183626	-1.18322882	0.015855
peak_31016	chr2	27641683	27643626	3383	intron (NM_001144819, intron 1 of 13)	NM_001144819	zswim5	7.760050589	8.943410769	-1.18336018	0.002625
peak_41261	chr17	51152997	51153537	59050	Intergenic	NM_131342	bmp4	4.822913981	6.006278511	-1.18336453	0.022209
peak_39189	chr16	46346317	46346692	41305	intron (NM_001114444_1, intron 3 of 10)	NM_001114444_1	oxr1a	4.853699967	6.037145371	-1.183445404	0.015793
peak_35653	chr2	27105214	27105535	-53235	Intergenic	NM_001077448	cdh7	4.852178391	6.035730681	-1.18355229	0.007929
peak_37106	chr24	7522580	7523107	-87526	Intergenic	NM_001089556	actr3b	6.322901665	7.506734424	-1.183832759	0.010786
peak_38793	chr15	10605583	10606226	71339	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	5.981984361	7.165827846	-1.183843485	0.014742
peak_38185	chr12	19554815	19555864	56	promoter-TSS (NM_001105128)	NM_001105128	msrb1b	6.207451528	7.39139775	-1.183946223	0.013237
peak_36490	chr19	49187915	49188950	-5961	Intergenic	NM_173223	sdc2	6.95060611	8.134589836	-1.183983726	0.009526
peak_39408	chr8	10112762	10113473	2093	intron (NM_001098489, intron 1 of 31)	NM_001098489	plxna3	6.221991163	7.406033617	-1.184042454	0.016331
peak_36725	chr18	48712467	48713350	-114642	Intergenic	NM_001045317	mob2b	5.931598757	7.115702499	-1.184103742	0.009967
peak_43746	chr2	6895309	6896212	-5688	Intergenic	NM_001114683	si:dkey-60b12.1	5.110608718	6.294777366	-1.184168648	0.031955
peak_43186	chr24	7016540	7017059	418518	Intergenic	NM_001089556	actr3b	4.738714804	5.922985907	-1.184271103	0.029461
peak_35793	chr12	31909967	31910476	25032	Intergenic	NM_001164028	tdrd1	6.605022864	7.789361521	-1.184338656	0.008194
peak_35715	chr12	17427868	17428546	72627	Intergenic	NM_200834	ppp1r3cb	5.880882735	7.065587817	-1.184705082	0.008052
peak_43157	chr25	133738	134290	-28273	intron (NM_180969_1, intron 1 of 10)	NM_001077771_1	zgc:109782	4.231678245	5.416558887	-1.184880642	0.029329
peak_35293	chr9	55145099	55145791	43247	Intergenic	NM_001009888	sox21b	5.74983673	6.934742432	-1.184905702	0.007313
peak_39265	chr13	50759833	50760206	35152	intron (NM_001291760, intron 3 of 3)	NM_200035	ggps1	5.703236541	6.888180035	-1.184943494	0.016006
peak_41696	chr6	38911147	38911557	24645	intron (NM_001159985, intron 1 of 8)	NM_001159985	vdrb	5.529981478	6.714977398	-1.18499592	0.023619
peak_31488	chr17	51056202	51056946	-37643	Intergenic	NM_131342	bmp4	7.663015175	8.848115747	-1.185100573	0.002982
peak_36252	chr6	57891636	57892385	163264	intron (NM_212908, intron 2 of 6)	NM_212908	tox2	5.535680191	6.720831849	-1.185151658	0.009024
peak_42958	chr16	52191527	52191969	144120	Intergenic	NM_001110524	brd2b	3.996540512	5.18194052	-1.185400009	0.028402
peak_34536	chr2	972247	972931	-69077	Intergenic	NM_001243344	foxq1a	6.772797063	7.958201238	-1.185404174	0.006239
peak_31895	chr5	28781924	28782739	216749	Intergenic	NM_001002640	tm2d2	6.86981224	8.05522477	-1.18541253	0.003345
peak_36585	chr23	45434544	45435096	-31225	Intergenic	NM_001044343_1	plod3	5.419496475	6.60494693	-1.185450454	0.009706
peak_37647	chr11	33730821	33731237	-195528	Intergenic	NM_001160822	pcdh17	4.68407117	5.869665103	-1.185593932	0.011938
peak_41088	chr16	45732423	45732818	-38	promoter-TSS (NM_001045281)	NM_001045281	hfe2	5.648031685	6.833891013	-1.185859328	0.021667
peak_43591	chr9	50602238	50602859	-300068	Intergenic	NM_200132	scn1a	5.407572204	6.593494651	-1.185922448	0.031173
peak_31001	chr9	23646666	23647749	-17925	Intergenic	NM_001126461	etv5a	8.161171249	9.347357552	-1.186186303	0.002617
peak_41467	chr18	25401899	25402325	72536	Intergenic	NM_001103120	pex11a	4.731284458	5.917936611	-1.186652153	0.022827
peak_39539	chr5	33633854	33635014	13713	Intergenic	NM_201005	ppp6c	6.434840689	7.621596637	-1.186755948	0.016736
peak_34365	chr15	25184118	25185370	-47509	Intergenic	NR_030247		8.048164274	9.234937615	-1.186773341	0.006
peak_38025	chr1	48220944	48221452	47651	intron (NM_001077558, intron 3 of 7)	NM_001077558	neurl1aa	4.958780025	6.14573534	-1.186955315	0.012824
peak_30792	chr2	44243275	44245226	569	intron (NM_001045246, intron 1 of 9)	NM_001045246	cadm3	8.5810438	9.768073146	-1.187029346	0.00248
peak_40098	chr9	12990056	12990380	-54870	Intergenic	NM_001005941	pttg1ipb	4.886118348	6.073208672	-1.187090324	0.01831
peak_37685	chr12	43954048	43954816	328206	Intergenic	NM_001080602	ebf3	5.0373604	6.224484138	-1.187123738	0.01201
peak_41041	chr5	1615813	1616205	18707	intron (NM_001245965, intron 1 of 22)	NM_001245965	dnm1a	4.691748046	5.878918943	-1.187170897	0.021463
peak_37048	chr12	46825738	46826221	1759	exon (NM_131640, exon 2 of 10)	NM_131640	pax2b	5.731698261	6.918974277	-1.187276017	0.010659
peak_36650	chr3	7014763	7015110	44963	Intergenic	NM_205613	hn1b	4.870376087	6.057715954	-1.187339867	0.00983
peak_34459	chr4	11936427	11936946	-10181	Intergenic	NM_212680	hmga2	6.168768297	7.356118743	-1.187350446	0.006138
peak_33763	chr7	76179714	76181426	-88266	Intergenic	NR_034276		7.220647944	8.408025801	-1.187377857	0.005219
peak_31660	chr5	40452157	40453238	27023	Intergenic	NM_001204133	mrpl1	7.592393141	8.779814395	-1.187421254	0.003136
peak_34992	chr20	1677433	1677838	-91388	Intergenic	NM_001278799	lama2	5.547508126	6.734941236	-1.187433111	0.006854
peak_39201	chr9	46475214	46475587	195816	Intergenic	NM_001099232	zgc:165571	4.818200248	6.005815842	-1.187615594	0.015822
peak_34814	chr21	35473644	35474110	46310	Intergenic	NM_001002503	ndfip1l	5.048735907	6.236353861	-1.187617954	0.006573
peak_42902	chr1	13080680	13081097	37933	intron (NM_001002542, intron 6 of 18)	NM_001002542	camk2d2	4.347695481	5.535399759	-1.187704278	0.028163
peak_41250	chr13	6405523	6405954	-60768	Intergenic	NM_001025502_1	h2afy2	4.518967649	5.706716366	-1.187748717	0.022178
peak_40352	chr21	36301981	36302372	50534	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	5.019130283	6.206971491	-1.187841208	0.019082
peak_35364	chr18	19281280	19281786	-9742	Intergenic	NM_001080163	snapc5	6.420010088	7.607893052	-1.187882964	0.00744
peak_31887	chr23	33018481	33019408	387823	Intergenic	NM_200286	taf8	7.58024653	8.768227449	-1.18798092	0.00334
peak_30116	chr1	54570105	54570834	-9759	Intergenic	NM_130954	dla	8.398689832	9.586697808	-1.188007976	0.00209
peak_39432	chr9	50769932	50770940	-132180	Intergenic	NM_200132	scn1a	7.253090332	8.44126659	-1.188176258	0.016395
peak_31374	chr7	21426331	21427040	8640	intron (NM_212648, intron 1 of 14)	NM_212648	dvl2	7.391817982	8.580192726	-1.188374744	0.002897
peak_34227	chr16	5863875	5864416	-83199	Intergenic	NM_001252462	tpbgb	7.222138423	8.410530475	-1.188392052	0.005811
peak_36332	chr13	19787	20210	-2662	Intergenic	NM_001122624	foxg1d	5.114458812	6.302881668	-1.188422856	0.009196
peak_34076	chr3	33404374	33404775	-32958	Intergenic	NM_001114705	hspb9	5.282403856	6.471020736	-1.18861688	0.005616
peak_39967	chr22	33388227	33388519	251711	Intergenic	NM_001126460	si:dkey-169i5.4	3.851417001	5.040188009	-1.188771008	0.017938
peak_41622	chr9	55810944	55811267	61019	Intergenic	NM_001126448	lect1	4.106785545	5.2957885	-1.189002955	0.023368
peak_39310	chr1	6515753	6516213	-3808	Intergenic	NM_131619	mylz3	5.84109871	7.030183351	-1.189084641	0.016102
peak_32239	chr10	18973555	18974479	-8472	Intergenic	NM_001020517	dpysl2b	6.66269603	7.851787102	-1.189091072	0.003636
peak_38674	chr11	27116089	27116294	-142037	Intergenic	NM_001080082	zgc:158299	4.034679932	5.224037979	-1.189358047	0.01437

peak_33255	chr21	2071842	2072373	51898	Intergenic	NM_001113432	st8sia3	6.287197647	7.476643937	-1.18944629	0.004654
peak_40219	chr23	22678340	22678639	116973	intron (NM_001123053, intron 8 of 24)	NM_001123053	rap1gap	4.253810789	5.443334416	-1.189523627	0.018661
peak_30893	chr24	9273380	9273993	-139454	Intergenic	NM_001202441	nphp3	7.343114669	8.532750325	-1.189635655	0.002548
peak_36868	chr10	13694321	13694744	42105	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	5.035350516	6.225056509	-1.189705993	0.010291
peak_42708	chr16	15730248	15730501	-570	promoter-TSS (NM_001083816)	NM_001083816	zgc:162509	4.717144084	5.90686081	-1.189716726	0.027315
peak_31433	chr6	43645472	43646067	168227	intron (NM_001039637, intron 5 of 19)	NM_001039637	foxp1b	6.832023739	8.021756542	-1.189732803	0.002934
peak_37491	chr2	49567435	49567920	26498	Intergenic	NM_001002688	cdc34b	5.887233154	7.077010129	-1.189776975	0.01165
peak_32923	chr16	45995504	45996945	14266	Intergenic	NM_001135135	dbf4	7.217853143	8.407654712	-1.18980157	0.004318
peak_32596	chr9	38364728	38365518	-7412	Intergenic	NM_001039828	slc15a2	6.395087117	7.585118529	-1.190031412	0.003975
peak_33239	chr16	7206767	7207655	-229985	Intergenic	NM_001003516	zgc:100908	7.08650821	8.276573804	-1.190065594	0.004638
peak_37813	chr20	43157236	43157633	12206	Intergenic	NM_001039620	dusp23a	5.760038755	6.950146602	-1.190107847	0.012311
peak_31835	chr16	52909721	52911092	140225	Intergenic	NM_001201489	efhb	8.835204309	10.02537712	-1.190172807	0.003297
peak_35222	chr14	48673058	48673523	62931	Intergenic	NM_201014	rom1b	5.209235538	6.399432048	-1.19019651	0.007211
peak_36092	chr8	18291086	18291908	-342	promoter-TSS (NM_001030091)	NM_001030091	prkcz	7.059023871	8.24923686	-1.190212988	0.00871
peak_37926	chr18	43590256	43590659	-23789	Intergenic	NM_001004538	gyltl1b	4.983354802	6.173571278	-1.190216476	0.012569
peak_39664	chr13	18180121	18180718	43412	intron (NM_001256747, intron 11 of 13)	NM_001256747	alox5a	5.10167217	6.291922467	-1.190250298	0.017034
peak_33071	chr7	22298131	22299068	-143020	Intergenic	NM_001017564	zgc:113025	6.980223764	8.170525207	-1.190301443	0.004471
peak_43841	chr14	25920045	25920737	-159594	Intergenic	NM_131736	slit3	5.099787376	6.29014154	-1.190354165	0.032339
peak_40825	chr15	27032569	27033291	26307	Intergenic	NM_131216	lhx1a	5.581962078	6.772446924	-1.190484845	0.02064
peak_39053	chr24	24112572	24112929	166582	Intergenic	NM_001075111	hnf4g	4.222285668	5.412813658	-1.190527989	0.015402
peak_43278	chr25	6563452	6564211	12892	Intergenic	NM_214697	psma4	5.342286181	6.532944796	-1.190658615	0.029868
peak_39345	chr2	35647833	35649088	47027	intron (NM_173277, intron 1 of 27)	NM_173277	lamc1	6.456855703	7.647520308	-1.190664605	0.016179
peak_33928	chr7	7984571	7985408	118516	Intergenic	NM_205544	actn3b	7.263867929	8.454777219	-1.190909291	0.005445
peak_39841	chr19	19227551	19228213	2441	Intergenic	NM_131540	hoxa5a	5.878290494	7.06933258	-1.191042086	0.017541
peak_31819	chr6	13877354	13878302	-13718	Intergenic	NR_030096		8.424255364	9.615364197	-1.191108833	0.003285
peak_41698	chr22	40498881	40499436	-20682	Intergenic	NM_200761	dnajc19	4.319278758	5.510648853	-1.191370096	0.023623
peak_43041	chr14	38427082	38427437	220360	Intergenic	NM_001048055	lect2l	4.668543337	5.859924013	-1.191380676	0.028803
peak_32365	chr13	36938138	36939441	-1856	Intergenic	NM_200867	srsf5a	7.006683311	8.198098653	-1.191415342	0.003752
peak_34007	chr9	40983093	40984014	-46007	Intergenic	NM_001161762_1	si:zfos-1425h8.1	7.48859893	8.680094013	-1.191495084	0.00553
peak_30701	chr22	10384242	10384935	41911	Intergenic	NM_001044710	si:dkeyp-87e7.4	7.574009184	8.765552587	-1.191543403	0.002429
peak_38603	chr14	5390188	5390534	-1664	Intergenic	NM_001007134	lbx2	4.450052762	5.641599474	-1.191546712	0.014228
peak_30837	chr18	6747813	6748555	-24341	Intergenic	NM_001114931	cers3b	6.849702403	8.041287349	-1.191584947	0.002518
peak_38626	chr16	58026734	58027092	26856	intron (NM_200561_2, intron 5 of 10)	NM_001017694	osr2	4.790616223	5.982284531	-1.191668308	0.014275
peak_35852	chr7	10927221	10927904	-232155	Intergenic	NM_214730	asb7	5.881255784	7.072948417	-1.191692633	0.008301
peak_32696	chr4	20361741	20362287	40501	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	6.254674862	7.446541552	-1.19186669	0.004083
peak_34859	chr15	46931797	46932155	-68	promoter-TSS (NM_001098772)	NM_001098772	zgc:165502	5.686207737	6.878087462	-1.191879725	0.006651
peak_34777	chr14	52901259	52902917	-213887	Intergenic	NM_199952	ube2d2l	6.864517007	8.056414322	-1.191897315	0.006526
peak_34126	chr8	50406518	50406965	349976	Intergenic	NM_001128254	mfn2	6.019827899	7.211912964	-1.192085065	0.005683
peak_41386	chr3	40550964	40551395	-20050	Intergenic	NM_001076560	fscn1a	5.593418071	6.785602906	-1.192184836	0.022584
peak_39742	chr12	31838294	31838668	96772	Intergenic	NM_001164028	tdrd1	4.699433654	5.891725575	-1.192291921	0.017239
peak_31852	chr11	45026245	45027145	26745	intron (NM_001015069, intron 5 of 9)	NM_001015069	gli2b	6.2704584	7.463031549	-1.192573149	0.003318
peak_33604	chr7	27557884	27558779	3973	exon (NM_199624, exon 4 of 5)	NM_199624	her8a	8.398229938	9.591000846	-1.192770908	0.005029
peak_35170	chr5	73036966	73037327	56414	Intergenic	NM_001205027	dnajc25	4.726309548	5.919126959	-1.192817411	0.007147
peak_42378	chr7	28532261	28532650	116039	intron (NM_001123009, intron 7 of 14)	NM_001123009	sox6	3.851417001	5.044288443	-1.192871442	0.025956
peak_33325	chr3	32155523	32156457	57525	intron (NM_001195240, intron 1 of 3)	NM_001195240	kcnc3a	7.087174003	8.280085013	-1.192911011	0.004727
peak_37085	chr25	5280325	5280965	3913	intron (NM_001012616, intron 1 of 1)	NM_001012616	drd4a	7.140604955	8.333618918	-1.193013964	0.010744
peak_39198	chr19	32088068	32088524	-24939	Intergenic	NM_001003570	mfsd2ab	5.262428319	6.455563415	-1.193135096	0.01581
peak_35142	chr5	40166835	40168123	-29992	Intergenic	NM_001008626	mogat3b	7.019479133	8.212619025	-1.193139892	0.007099
peak_40573	chr7	4359746	4360118	-63351	Intergenic	NM_200993	zgc:55733	4.609320918	5.802496577	-1.193175659	0.019889
peak_32752	chr9	17985446	17986172	30803	Intergenic	NM_001002190	rgcc	7.899569176	9.09282502	-1.193255844	0.00413
peak_42920	chr2	33051846	33052327	7674	Intergenic	NM_131723	klf17	4.332498034	5.525754869	-1.193256834	0.028211
peak_37921	chr25	37536088	37536404	48686	Intergenic	NM_213100_1	irx3b	4.445014594	5.6384582	-1.193443606	0.01256
peak_38133	chr4	5894420	5895453	133487	intron (NM_001030082, intron 5 of 20)	NM_001030082	foxp2	6.031322327	7.224802505	-1.193480177	0.013078
peak_36666	chr24	40816324	40816760	-54424	Intergenic	NM_001037114	nubp2	5.04607651	6.239652206	-1.193575696	0.009857
peak_43884	chr7	33718648	33719353	-223873	Intergenic	NM_205624	fshb	5.056723348	6.250432628	-1.19370928	0.032502
peak_33437	chr9	12994068	12994582	-58977	Intergenic	NM_001005941	pttg1ipb	6.965315006	8.159241718	-1.193926712	0.004863
peak_37600	chr3	8445771	8446164	10991	Intergenic	NM_212750	junbb	4.449046535	5.642994629	-1.193948094	0.011855
peak_29732	chr7	33093491	33094919	35133	Intergenic	NM_001007453	nap1l4b	8.225305176	9.419256791	-1.193951615	0.001878
peak_39669	chr23	4634997	4635776	124091	intron (NM_181498_1, intron 5 of 5)	NM_199749	cnbpa	5.890594032	7.084901308	-1.194307276	0.017043
peak_37893	chr1	4141906	4142641	-30976	Intergenic	NM_001003842	spry2	5.325903537	6.520313199	-1.194409662	0.012485
peak_32877	chr5	36873245	36873943	8811	intron (NM_001017612, intron 9 of 9)	NM_001017612	ptcd2	7.315703089	8.51014037	-1.194437282	0.004255
peak_37784	chr7	17625091	17625514	177944	Intergenic	NM_131158	dbx1a	6.00926551	7.203716913	-1.194451403	0.01224
peak_37980	chr2	18295333	18295868	-2771	Intergenic	NM_001100007	ptbp2b	5.798933125	6.993432093	-1.194498968	0.01271
peak_42149	chr13	18526228	18526642	5916	intron (NM_001123010, intron 1 of 3)	NM_001123010	stox1	5.263034397	6.457565434	-1.194531037	0.025167
peak_41371	chr19	46794544	46794865	-72027	Intergenic	NM_001083814	ptpro	4.133410493	5.328079094	-1.194668601	0.022544
peak_43823	chr8	52505848	52506195	-1247	Intergenic	NM_131419	nkx2.7	4.464124857	5.658834942	-1.194710085	0.032266
peak_30641	chr18	23590282	23591721	68064	Intergenic	NM_131183	nr2f2	7.978219815	9.17311817	-1.194898355	0.002392
peak_35365	chr7	48124882	48125434	265667	Intergenic	NM_001195407	tshz3b	6.018132702	7.213084838	-1.194952136	0.007443
peak_40940	chr7	13031748	13032105	-147333	Intergenic	NM_001080993	mex3b	4.106785545	5.301758618	-1.194973073	0.021098
peak_42720	chr12	22536857	22537255	-114827	Intergenic	NM_001037121	ca10a	4.23284803	5.427917425	-1.195069395	0.027346
peak_34077	chr17	46172240	46172811	196856	Intergenic	NR_029933		6.089113018	7.284193854	-1.195080836	0.005616
peak_42372	chr14	5274618	5274928	-117252	Intergenic	NM_001007134	lbx2	4.424624391	5.619843299	-1.195218909	0.025932
peak_33149	chr15	37597926	37598329	93209	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	5.269888677	6.465230342	-1.195341665	0.004556
peak_42522	chr4	19299832	19300212	46205	intron (NM_131900, intron 1 of 46)	NM_131900	cacna1c	4.587486179	5.782957236	-1.195471057	0.026506
peak_34658	chr3	2066884	2067819	29246	Intergenic	NM_205652	wbp11	5.513174319	6.708715918	-1.195541598	0.006395
peak_38589	chr5	19156035	19156556	-402692	Intergenic	NM_001100015	chfr	5.066598018	6.26214926	-1.195551241	0.014189
peak_37151	chr14	44694128	44694979	285252	Intergenic	NM_001115099	pcdh18b	5.783425802	6.978988927	-1.195563125	0.010885
peak_35884	chr8	24494513	24494984	2669	intron (NM_001077143, intron 2 of 13)	NM_001077143	nt5dc2	5.413804549	6.60938986	-1.195585311	0.008335
peak_37948	chr7	53123249	53123553	-19472	intron (NM_213431, intron 10 of 10)	NM_001114891	cited1	4.934498529	6.130192778	-1.195694249	0.012609
peak_34440	chr25	24104885	24105448	144253	Intergenic	NM_001020596	phlda2	5.745335402	6.941065632	-1.19573023	0.00611
peak_41170	chr5	13808862	13809260	-4087	intron (NM_001128748, intron 4 of 11)	NR_034191		4.823690559	6.019430478	-1.195739919	0.021905
peak_40453	chr15	46928446	46929250	-161	promoter-TSS (NM_001045450)	NM_001045450	anapc15	6.594796782	7.790554403	-1.195757621	0.019428
peak_34660	chr5	53478468	53479406	-6200	Intergenic	NM_131100	otpb	6.447046674	7.642943137	-1.195896463	0.006397
peak_39477	chr23	6680070	6680712	11640	intron (NM_001110127, intron 3 of 3)	NM_001020520	mipb	6.025596405	7.221505652	-1.195909247	0.016523
peak_38068	chr18	1282461	1282907	-84695	Intergenic	NM_198912	pepd	5.541856033	5.737913269	-1.196057236	0.012922
peak_38855	chr20	26474163	26474563	22549	intron (NM_001281788, intron 1 of 3)	NM_001281788	akap12b	5.469067886	6.665397309	-1.196329422	0.014894
peak_39911	chr6	44183318	44183881	54950	intron (NM_001256392, intron 5 of 9)	NM_001110371	ppp4r2b	5.687086373	6.883552594	-1.196466221	0.017733
peak_43389	chr24	32028303	32028662	-83186	Intergenic	NR_048923		4.94238562	6.139042426	-1.196656806	0.030372
peak_39521	chr23	2495649	2495994	31179	Intergenic	NM_130989	snai1b	5.328673526	6.525429715	-1.196756189	0.016682
peak_32591	chr22	11535535	11536119	12823	Intergenic	NM_200832	mid1ip1b	6.007196132	7.203955168	-1.196759036	0.003968
peak_38711	chr16	26323875	26324291	50726	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	4.988211839	6.185011756	-1.196799917	0.014484
peak_41624	chr8	15830844	15831175	-8530	Intergenic	NM_001017814	spata6	4.427692414	5.624777922	-1.197085508	0.023375
peak_42649	chr2	60205285	60205638	-262801	intron (NM_212882_1, intron 9 of 9)	NR_030000		3.842248838	5.039373048	-1.19712421	0.027055
peak_42495	chr1	5488170	5488705	-15208	Intergenic	NM_001145627	si:ch211-93g23.2	4.975648359	6.172800302	-1.197151943	0.0264
peak_36579	chr10	36569340	36569645	-8162	Intergenic	NM_001083549	zdhhc20a	4.659002196	5.856279992	-1.197277796	0.009698
peak_41426	chr5	19546899	19547753	-11661	Intergenic	NM_001100015	chfr	5.795397703	6.992707367	-1.197309665	0.022693
peak_39890	chr10	40170279	40171056	54726	intron (NM_001030224, intron 3 of 32)	NM_001030224	dscama	5.474546308	6.671967744	-1.197421436	0.017672
peak_38158	chr8	37791070	37791981	-61294	Intergenic	NM_001007207	gpkow	5.732549633	6.930099148	-1.197549515	0.013153
peak_37086	chr15	32797992	32798767	5212	Intergenic	NM_152974	mab21l1	7.26759921	8.465179888	-1.197580679	0.010748
peak_33879	chr17	7044816	7045371	173494	Intergenic	NM_001023572	zbtb24	6.323418804	7.521086453	-1.197667649	0.005371
peak_38113	chr3	40145773	40146235	11645	Intergenic	NM_212638	drg2	5.077746189	6.275521507	-1.197775317	0.013024
peak_33662	chr6	57847639	57848256	207327	intron (NM_212908, intron 2 of 6)	NM_212908	tox2	5.162011373	6.359788159	-1.197776786	0.005108
peak_32964	chr7	20016928	20017633	78782	intron (NM_001017819, intron 7 of 12)	NM_001017819	mllt3	6.667474907	7.865316947	-1.19784204	0.004365
peak_36899	chr2	46644556	46644942	-202010	Intergenic	NM_201020_1	gpc1b	4.944529182	6.142409878	-1.197880695	0.010359
peak_37100	chr19	39295854	39296228	-110796	intron (NM_001122760, intron 6 of 26)	NM_001002733	nxph1	4.569025676	5.766999456	-1.19797378	0.010777

peak_36565	chr6	14586724	14587313	-262992	Intergenic	NM_201447	pou3f3b	5.487374214	6.685368445	-1.197994231	0.009678
peak_41603	chr10	45738591	45739391	20502	Intergenic	NM_001079664	rilpl1	5.058043882	6.256168963	-1.198125081	0.023318
peak_33455	chr24	20067467	20068424	-58	promoter-TSS (NM_001003846)	NM_001003846	sulf1	8.29620275	9.494352783	-1.198150033	0.004879
peak_41620	chr9	46797516	46797929	48679	Intergenic	NM_001002736	asb1	4.706187427	5.90434294	-1.198155513	0.023362
peak_31207	chr17	77848	79418	6620	Intergenic	NM_001256003	dio3a	7.452830915	8.651007545	-1.19817663	0.002766
peak_36076	chr13	54021438	54023034	-24739	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	5.995851639	7.194336084	-1.198484445	0.008673
peak_33282	chr22	17650706	17651535	32569	Intergenic	NM_001128684	si:ch211-197g15.	6.746552485	7.945066148	-1.198513662	0.004678
peak_36741	chr11	23711943	23712540	138722	Intergenic	NM_212732	mdm4	5.484921659	6.683521812	-1.198600153	0.009989
peak_29682	chr23	36342541	36343545	14507	Intergenic	NM_001080184	cbx5	8.074957699	9.273562811	-1.198605112	0.001854
peak_39887	chr18	19505322	19505996	-48064	Intergenic	NM_175083	smad3b	6.460634244	7.659312152	-1.198677909	0.017666
peak_33117	chr5	60879125	60879590	-53221	Intergenic	NM_001017896	prkrip1	6.488368356	7.687180661	-1.198812305	0.004526
peak_42260	chr17	23402706	23403222	7	promoter-TSS (NR_030655)	NR_030655		5.194901297	6.393860066	-1.19895877	0.025498
peak_32526	chr18	45667088	45667629	-80727	Intergenic	NM_199925	zgc:77304	5.53378312	6.732795139	-1.199012019	0.003921
peak_43277	chr2	54470597	54471137	14971	Intergenic	NM_001017676	capsla	4.522798387	5.721953629	-1.199155243	0.029861
peak_42973	chr9	46373390	46373686	297678	Intergenic	NM_001099232	zgc:165571	3.883141315	5.08239177	-1.199250456	0.028532
peak_39666	chr16	44537788	44538219	36377	Intergenic	NM_199750	psmc4	4.568099124	5.767648814	-1.19954969	0.017036
peak_34411	chr14	45734821	45735469	-62660	Intergenic	NM_001007358	adra1bb	5.768960068	6.968530031	-1.199569963	0.00607
peak_36661	chr1	39573879	39574619	162190	Intergenic	NR_030668		5.201453983	6.401171852	-1.199717869	0.009854
peak_39797	chr3	34543588	34544025	102792	intron (NM_198911, intron 10 of 10)	NM_198911	sept9a	5.152152513	6.351941979	-1.199789466	0.017389
peak_35763	chr24	21862774	21863252	4384	intron (NM_001005393, intron 1 of 18)	NM_001005393	boc	5.268748556	6.468621094	-1.199872538	0.008142
peak_35452	chr25	7036949	7037475	233020	Intergenic	NM_001122855	snx33	5.74901935	6.948931839	-1.199912488	0.00757
peak_38713	chr18	49167088	49167731	34322	intron (NM_001079949, intron 1 of 2)	NM_001079949	si:dkey-105e17.1	5.587943346	6.787893728	-1.199950382	0.014489
peak_38220	chr13	26191234	26191553	114296	Intergenic	NM_001040391	bcl11aa	4.792997377	5.992995749	-1.199998372	0.013321
peak_38662	chr18	6801773	6802121	-6845	Intergenic	NM_200575	gliprl b	4.163239007	5.363253899	-1.200014892	0.014341
peak_39092	chr18	12168577	12168962	64450	intron (NM_205609, intron 3 of 13)	NM_205609	tbxas1	4.846075989	6.046125116	-1.200049128	0.015511
peak_36007	chr10	15805355	15806213	77533	Intergenic	NM_001201570	tjp2a	6.663346902	7.863642195	-1.200295293	0.008538
peak_32825	chr4	29732	30191	11014	Intergenic	NM_001044754	si:ch211-51e12.7	5.986846006	7.187180175	-1.200334169	0.004195
peak_31100	chr5	23811722	23812439	-1394	exon (NM_200394, exon 14 of 14)	NM_001126376	asb12a	8.226929063	9.427310119	-1.200381056	0.002685
peak_42543	chr11	43035670	43036074	-7984	Intergenic	NM_201158	aldh4a1	4.22346309	5.423890231	-1.200427141	0.026629
peak_36462	chr19	45123138	45123794	-63489	Intergenic	NM_201081	wasf2	7.202384817	8.402826726	-1.200441909	0.00947
peak_38982	chr10	24220423	24220945	119624	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	5.110009366	6.310651919	-1.200642554	0.015229
peak_33753	chr24	5072803	5073773	15353	Intergenic	NM_001076612	zic4	5.909392934	7.11008593	-1.200692995	0.00521
peak_37908	chr14	30261848	30262404	-382905	Intergenic	NM_001045414	zgc:153146	5.578718708	6.779423165	-1.200704457	0.012533
peak_41645	chr19	47673657	47674059	93863	Intergenic	NM_200836	cap2	4.139660669	5.340405871	-1.200745202	0.023435
peak_31307	chr23	5412314	5413189	65842	Intergenic	NR_039088		6.808817851	8.009698462	-1.20088061	0.002853
peak_40067	chr25	22012433	22012821	-61610	intron (NM_001003755, intron 3 of 5)	NM_001003481	zgc:91811	4.57733797	5.778239534	-1.200901563	0.018209
peak_34417	chr11	34235912	34236485	218633	Intergenic	NM_001024389	lims1	5.325903537	6.527234453	-1.201330916	0.006078
peak_33610	chr25	153925	155023	-7813	intron (NM_180969_1, intron 1 of 10)	NM_001077771_1	zgc:109782	7.199677769	8.401042144	-1.201364375	0.005036
peak_34426	chr25	24465487	24465930	-35141	Intergenic	NM_001002052	mrpl23	5.163852432	6.365222204	-1.201369772	0.006086
peak_35280	chr1	26008501	26009156	-69716	Intergenic	NM_001122755	bnc2	7.505337217	8.706725456	-1.20138824	0.007302
peak_43201	chr19	37756663	37757026	408791	Intergenic	NM_131814	angpt2b	4.760062422	5.961562253	-1.201499831	0.029528
peak_40659	chr6	49629989	49630698	-63584	Intergenic	NM_001017688	npepl1	5.597964525	6.799786786	-1.201822262	0.020103
peak_35949	chr6	55681193	55681923	-10804	Intergenic	NM_001089458	cyp24a1	5.688792312	6.890716989	-1.201924677	0.008446
peak_36319	chr9	52730859	52731812	51591	Intergenic	NM_001115090	tbr1b	6.605474508	7.807448044	-1.201973536	0.009174
peak_34376	chr8	53818070	53818694	-33091	Intergenic	NM_152962	fgfr1a	5.84339805	7.045477671	-1.202079621	0.00601
peak_38821	chr9	24173752	24174120	16317	Intergenic	NM_001020723	lypd6b	4.569951633	5.772060831	-1.202109198	0.014814
peak_43074	chr6	56030905	56031453	-17199	Intergenic	NM_199742	rtfdc1	5.443499706	6.645739259	-1.202239553	0.028905
peak_34492	chr2	40081623	40082257	41	promoter-TSS (NM_153658)	NM_153658	epha4b	7.115904576	8.318168633	-1.202264058	0.006183
peak_42069	chr20	17821457	17822131	35773	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	5.378239627	6.580571596	-1.202331969	0.024889
peak_37740	chr2	57565631	57566503	-14395	Intergenic	NM_001245962_1	sbno2a	6.133097272	7.335548971	-1.202451699	0.012134
peak_34087	chr19	16902197	16902762	-80126	Intergenic	NM_212682	clic1	5.32699939	6.529466994	-1.202467604	0.005628
peak_32253	chr1	60152193	60153284	-55909	Intergenic	NM_001037438	cyp3a65	6.854672303	8.057388231	-1.202715928	0.003646
peak_37672	chr12	50439926	50440438	31234	intron (NM_200591, intron 5 of 7)	NM_001039837_1		4.616508912	5.819381899	-1.202872987	0.011986
peak_37859	chr5	5794681	5795112	476071	Intergenic	NM_205570	zgc:73226	5.053378088	6.256325153	-1.202947065	0.012432
peak_29931	chr23	3684614	3685439	9690	intron (NM_001020538, intron 2 of 5)	NM_001020538	pacsin1a	7.203412013	8.406597593	-1.203185579	0.001984
peak_36170	chr12	8124945	8125449	8963	intron (NM_001005602, intron 1 of 5)	NM_001005602	phyhiplb	5.882023341	7.085402874	-1.203379533	0.008883
peak_31327	chr13	26487345	26488138	410644	Intergenic	NM_001040391	bcl11aa	6.487878516	7.691260983	-1.203382467	0.002865
peak_40359	chr9	31121737	31122059	-2149	Intergenic	NM_001142374	col8a1a	4.636144784	5.839534942	-1.203390157	0.019103
peak_41714	chr5	64110071	64110379	168395	Intergenic	NM_173259_1	scarb2	3.637911999	4.841331579	-1.203419581	0.023673
peak_29098	chr15	17073257	17074668	248	5' UTR (NM_182884, exon 1 of 15)	NM_182884	dixdc1a	9.009516507	10.21295749	-1.203440986	0.001557
peak_34590	chr20	6512498	6513167	-85795	Intergenic	NM_001076621	mep1b	6.089435934	7.292998349	-1.203562415	0.006309
peak_36485	chr4	27292734	27293246	97506	Intergenic	NM_001105586	cerk	5.784646086	6.988233402	-1.203587316	0.009519
peak_43589	chr14	37696696	37697172	-39326	Intergenic	NM_001110281	aga	4.94738232	6.151013792	-1.203631472	0.031162
peak_33099	chr24	33984178	33984878	-114456	Intergenic	NM_199215	ca2	6.491548267	7.69535144	-1.203803173	0.004504
peak_43715	chr8	35860210	35862259	-7524	Intergenic	NM_001003742	hpdb	3.2869161	4.490941342	-1.204025242	0.031822
peak_33863	chr18	7244945	7245371	142382	Intergenic	NM_001044963	rabl2	5.174885228	6.378934238	-1.20404901	0.005349
peak_34994	chr10	21136847	21137310	306198	Intergenic	NM_001201442	avd	5.648495636	6.852579665	-1.204084029	0.006856
peak_40650	chr18	8363809	8364343	-2387	Intergenic	NM_001201568	si:dkey-5i3.5	4.732111944	5.936248152	-1.204136208	0.020085
peak_31275	chr5	8122377	8123326	-9221	Intergenic	NM_212640	slc1a3a	6.39194889	7.596373475	-1.204424585	0.002825
peak_31958	chr9	36033916	36034436	6856	intron (NM_152886, intron 1 of 15)	NM_152886	appb	6.582191556	7.786701644	-1.204510088	0.003394
peak_37825	chr20	44394826	44395294	89461	Intergenic	NM_130940	bon	6.288902181	7.493518578	-1.204616397	0.012341
peak_34890	chr3	23858034	23858622	8028	intron (NM_001076559, intron 3 of 15)	NM_001076559	igf2bp1	6.194265903	7.39893572	-1.204669817	0.006705
peak_39448	chr5	36701630	36702069	86188	Intergenic	NM_212913	foxd1l	4.830661017	6.035434291	-1.204773274	0.016424
peak_40794	chr24	25942479	25942771	23318	Intergenic	NM_001002642	camk2n2	3.637911999	4.842791448	-1.204879449	0.020562
peak_42195	chr14	17680407	17680877	-31846	Intergenic	NM_001159841	LOC100149406	4.719649537	5.924886553	-1.205237017	0.0253
peak_38989	chr14	25681457	25681775	79181	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	4.249193638	5.454492702	-1.205299063	0.015245
peak_37415	chr9	57360752	57361246	-27410	Intergenic	NM_001166337	nlgn4b	5.228749629	6.434153396	-1.205403767	0.011476
peak_40992	chr22	35757883	35758249	-257278	Intergenic	NM_173274	dag1	4.936653833	6.142074017	-1.205420184	0.021254
peak_34913	chr24	39877157	39878672	13565	Intergenic	NM_001003498_1	zgc:91999	6.877146932	8.082591708	-1.205444776	0.006745
peak_31791	chr6	31425110	31425696	291967	Intergenic	NM_201025	pgm1	6.125226196	7.330704717	-1.205478521	0.003257
peak_36459	chr9	612824	613259	-84450	Intergenic	NM_212594_1	ybey	4.954531943	6.160028034	-1.205496091	0.009462
peak_41177	chr7	47952395	47952903	323056	Intergenic	NM_130995	ccne1	4.797747928	6.003270282	-1.205522354	0.021931
peak_43852	chr5	18176142	18176611	74012	Intergenic	NM_001080199	piwil2	4.950271315	6.155809376	-1.205538061	0.03237
peak_35511	chr2	39825306	39825825	14573	intron (NM_001005919, intron 3 of 16)	NM_001005919	epha4a	5.679788522	6.88540439	-1.205615869	0.007694
peak_40702	chr5	58069456	58069716	-146548	Intergenic	NM_001102384	tbx2a	4.414350268	5.61996949	-1.205619222	0.020228
peak_40107	chr9	17237935	17238374	78962	intron (NM_001005773, intron 4 of 4)	NM_001005773	fbxl3a	3.992402332	5.198045533	-1.2056432	0.018337
peak_39743	chr16	4330607	4330934	203730	Intergenic	NM_200701	wdr21	3.989636937	5.195401903	-1.205764966	0.017241
peak_39503	chr9	6703604	6704129	-1181	Intergenic	NM_131150	pou3f3a	5.972170782	7.17814796	-1.205977178	0.016644
peak_37676	chr7	65176717	65177149	115049	Intergenic	NM_131287	sox17	5.130275221	6.336367858	-1.206092637	0.011991
peak_35519	chr15	46866850	46867511	-17	promoter-TSS (NM_181331)	NM_181331	otx5	6.455839599	7.661982331	-1.206142732	0.007705
peak_41470	chr19	42044325	42044985	-14526	Intergenic	NM_001002594	sgce	5.453598309	6.65984401	-1.206245701	0.022832
peak_36637	chr23	17852480	17852892	-24620	Intergenic	NM_001030133	bhlhe23	5.323709331	6.529964879	-1.206255548	0.009816
peak_32800	chr8	1718417	1719023	112617	Intergenic	NM_205739	dgcr6	6.845873722	8.0522007	-1.206326977	0.004174
peak_34194	chr13	49855306	49855805	-129702	Intergenic	NM_001003463	ntpcr	5.293690814	6.500062417	-1.206371603	0.005761
peak_40438	chr8	11476826	11477539	-116	promoter-TSS (NM_153673)	NM_153673	unc45b	5.464124857	6.670518771	-1.206393914	0.01936
peak_37398	chr1	15705991	15706387	-275329	Intergenic	NM_001017793	zgc:112426	4.660741649	5.867140314	-1.206398665	0.011433
peak_43967	chr24	42796195	42796851	63880	intron (NM_001045123_1, intron 12 of 22)	NM_001045123	scn12ab	4.497658046	5.704073261	-1.206415215	0.032779
peak_36751	chr9	3710486	3710951	-42361	Intergenic	NM_180973	sp5a	5.496197467	6.702714997	-1.20651753	0.010013
peak_35360	chr6	2111947	2113137	48121	intron (NM_001083853, intron 2 of 9)	NM_001083853	pbx1b	6.067928669	7.274619982	-1.206691313	0.007429
peak_33291	chr12	45936200	45936634	1313	intron (NM_001020544, intron 1 of 7)	NM_001020544	wbp2	5.378768137	6.585494546	-1.206726409	0.004688
peak_40684	chr15	37318939	37319294	-185802	Intergenic	NM_131481	robo1	4.24687951	5.453635491	-1.206755981	0.020197
peak_43994	chr9	4505461	4505724	-110072	Intergenic	NM_001020664	rprma	3.85293938	5.059796035	-1.206856656	0.032935
peak_40168	chr24	6024276	6024699	5629	intron (NM_200738, intron 1 of 9)	NM_200738	abi1a	4.596602092	5.803474753	-1.206872661	0.018518
peak_35582	chr24	3610692	3611328	54328	Intergenic	NM_001168264	wdr37	6.079678945	7.287118927	-1.207439982	0.007811
peak_35783	chr7	57567837	57568657	-167611	Intergenic	NM_212585	ist1	5.983375075	7.190912239	-1.207537164	0.008177

peak_40279	chr6	8033693	8034310	14897	Intergenic	NM_170763	fzd7b	5.528049097	6.735682468	-1.207633371	0.018878
peak_32510	chr1	50352333	50353431	31248	intron (NM_131426, intron 3 of 10)	NM_131426	lef1	8.439124436	9.646795257	-1.207670821	0.003901
peak_37165	chr6	58533611	58534135	-31838	Intergenic	NM_212863	sp7	6.209252874	7.416937969	-1.207685095	0.010942
peak_37457	chr8	12809378	12809657	111092	Intergenic	NM_001128526	phf13	4.520884289	5.728587217	-1.207702927	0.011578
peak_37627	chr1	31396702	31397162	-57	promoter-TSS (NM_131358)	NM_131358	kal1a	6.113805495	7.321551328	-1.207745833	0.011894
peak_35798	chr24	6304132	6304614	39339	intron (NM_205579, intron 7 of 38)	NM_205579	myo3a	4.993783045	6.201589769	-1.207806725	0.008205
peak_31319	chr13	26763782	26764218	-163838	Intergenic	NM_212982	fancl	6.129333309	7.337306986	-1.207973677	0.002859
peak_37653	chr6	36481831	36482428	-150844	Intergenic	NM_131079	her6	5.733352285	6.941343038	-1.207990753	0.01195
peak_31709	chr21	28352513	28353625	203	5' UTR (NM_001198550, exon 1 of 14)	NM_001198550	ppp3ca	7.039554119	8.24759416	-1.208040041	0.003178
peak_38092	chr21	15450787	15451306	-40680	Intergenic	NM_001166121	aqp3b	5.074487444	6.282608273	-1.208120829	0.012976
peak_42421	chr12	46864310	46865072	-36953	Intergenic	NM_131640	pax2b	5.499603187	6.707769951	-1.208166764	0.026113
peak_42940	chr14	3547362	3547727	3975	Intergenic	NM_001017822	zgc:110204	4.468103815	5.676279695	-1.20817588	0.028326
peak_40069	chr8	2527516	2528004	33601	intron (NM_001123265, intron 6 of 21)	NM_001123265	ikbkb	5.241043983	6.449239576	-1.208195593	0.01822
peak_34025	chr7	66706493	66706920	123494	Intergenic	NM_198825_1	fam60al	6.148091856	7.356467316	-1.20837546	0.005548
peak_36756	chr16	9094801	9095239	-112686	Intergenic	NM_001030206	ano10a	5.745311492	6.953708925	-1.208397433	0.010026
peak_36307	chr2	58453588	58454372	39891	Intergenic	NM_001128410	LOC100150696	6.052072605	7.260742036	-1.208669431	0.009136
peak_37410	chr8	18010327	18011011	25177	intron (NM_130935, intron 1 of 6)	NM_130935	skia	6.194548609	7.403352525	-1.208803915	0.011467
peak_42206	chr8	15828745	15829078	-6432	Intergenic	NM_001017814	spata6	4.205630551	5.414585005	-1.208954455	0.025348
peak_34822	chr22	3267467	3268199	-19256	Intergenic	NM_001045318	zgc:136839	8.564779891	9.773736728	-1.208956837	0.006584
peak_37286	chr9	17269465	17270054	47357	intron (NM_001005773, intron 4 of 4)	NM_001005773	fbxl3a	4.811952101	6.021012869	-1.209060767	0.011197
peak_29535	chr17	11189350	11190153	3620	TTS (NM_212687)	NM_212687	irf2bpl	8.815334993	10.02447651	-1.20914152	0.001775
peak_41345	chr19	26098926	26099278	-36185	Intergenic	NM_001256391	tac1	4.407054143	5.616216055	-1.209161912	0.022444
peak_35382	chr3	6643735	6644233	-79990	Intergenic	NM_001089460	pkn1b	6.188532244	7.397720772	-1.209188528	0.007467
peak_43667	chr1	16125158	16125798	6661	intron (NM_212967, intron 2 of 30)	NM_212967	fat1a	4.950229827	6.159423942	-1.209194115	0.031546
peak_34597	chr5	8869577	8870427	-27158	Intergenic	NM_131457	bmpr1ba	6.139678861	7.349047992	-1.209369131	0.006317
peak_42008	chr7	12803431	12803833	80961	Intergenic	NM_001080993	mex3b	5.353653748	6.563384651	-1.209730903	0.024719
peak_34627	chr23	3428869	3429615	-5687	Intergenic	NM_131015	mafba	7.244382839	8.454209904	-1.209827065	0.00635
peak_34189	chr13	513787	514261	-3831	Intergenic	NM_001034968	slit1a	6.265322777	7.475284206	-1.209961429	0.005752
peak_39331	chr16	517287	517758	52612	Intergenic	NM_201057	irx2a	5.412772711	6.622916301	-1.21014359	0.016135
peak_42251	chr2	56957777	56958071	7006	exon (NM_200458, exon 4 of 13)	NM_200458	eef2b	3.725478726	4.935650909	-1.210172182	0.025468
peak_36365	chr7	19533980	19534455	154696	Intergenic	NM_001099228	cd248a	5.140943814	6.351183569	-1.210239755	0.009251
peak_36966	chr7	66484072	66484537	153765	Intergenic	NM_001077722	tpcn2	5.516568263	6.72681427	-1.210246007	0.010506
peak_34937	chr10	46379726	46380118	3529	Intergenic	NM_200547	purbb	4.944529182	6.154899103	-1.210369921	0.006779
peak_34079	chr5	4819721	4820247	77192	Intergenic	NM_001030230	angptl2a	5.554569534	6.765006515	-1.21043698	0.005617
peak_34729	chr20	51865902	51866736	30540	intron (NM_212800, intron 3 of 8)	NM_212800	disp1	5.900218919	7.110882046	-1.210663127	0.00646
peak_37246	chr11	21637883	21638846	-43746	Intergenic	NM_200419	tpst2	5.490829325	6.701570536	-1.210741211	0.011106
peak_36402	chr17	20555231	20555730	-29429	Intergenic	NM_199985	ccdc6a	4.813516677	6.02426982	-1.210753143	0.009331
peak_29378	chr3	163183	164023	12610	Intergenic	NM_001045222	pglyrp6	8.032251347	9.243020625	-1.210769278	0.001697
peak_41878	chr8	43821635	43821881	135403	Intergenic	NM_001123259	si:ch211-158d24.	4.128390782	5.339253185	-1.210862403	0.024242
peak_37275	chr24	7744654	7745689	321	intron (NM_001020666, intron 1 of 21)	NM_001020666	atp6v0a1b	7.689218482	8.900110858	-1.210892376	0.011165
peak_43033	chr1	6185279	6185805	94908	intron (NM_001143751_2, intron 1 of 10)	NM_001143751_1	erbb4a	4.298200546	5.509108775	-1.21090823	0.028767
peak_33230	chr23	40684661	40685305	-27	promoter-TSS (NM_199972)	NM_199972	elovl4b	7.184296991	8.395242291	-1.2109453	0.004629
peak_40499	chr8	14987673	14988288	13403	intron (NM_001122973, intron 2 of 5)	NM_001122973	lhx4	5.81275742	7.023725377	-1.210967958	0.019584
peak_41271	chr23	44170024	44170430	9542	exon (NM_213374, exon 5 of 12)	NM_213374	zgc:56304	4.56345742	5.774431275	-1.210973855	0.02224
peak_34022	chr9	54627175	54627607	118329	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	5.45810659	6.669228988	-1.211122398	0.005547
peak_36950	chr8	16806580	16806951	-28302	intron (NM_212973, intron 18 of 18)	NM_001007064	dmrta2	4.835289348	6.046424439	-1.21113509	0.010456
peak_34475	chr19	5696817	5698336	385	intron (NM_001003848, intron 1 of 11)	NM_001003848	eno2	6.717955351	7.929262101	-1.21130675	0.006157
peak_35623	chr7	10817571	10818092	-122424	Intergenic	NM_214730	asb7	4.975689123	6.186998634	-1.211309511	0.007882
peak_39846	chr13	38130167	38130947	-79419	Intergenic	NM_001256713	si:dkey-188i13.1:	5.569461719	6.780858933	-1.211397214	0.017557
peak_40500	chr10	10702146	10702497	-2455	Intergenic	NM_001017737	slc27a4	4.138412798	5.349861039	-1.211448241	0.019585
peak_37074	chr10	32826602	32827035	62769	Intergenic	NM_001082857	foxo1b	5.231712381	6.443220494	-1.211508114	0.01072
peak_43508	chr7	36236522	36237031	-12733	Intergenic	NM_199272	esrp2	4.276743633	5.488321582	-1.21157795	0.030813
peak_34065	chr25	13714366	13714839	80375	Intergenic	NM_199670	det1	6.133410493	7.345021906	-1.211611414	0.005604
peak_38531	chr23	10152750	10153160	-100476	Intergenic	NM_001111167	zgc:171775	5.490311787	6.70195867	-1.211646883	0.014065
peak_38792	chr9	46933453	46933896	26173	Intergenic	NM_001005956	twist2	5.731722398	6.943422706	-1.211700308	0.014741
peak_38641	chr6	21010464	21010921	-19457	Intergenic	NM_205740	barhl2	4.639677051	5.851419444	-1.211742393	0.014309
peak_40338	chr8	10435280	10435604	22745	intron (NM_001126470, intron 1 of 5)	NM_001126470	kcnd1	4.19726529	5.409073658	-1.211808368	0.019041
peak_33773	chr13	49136337	49137616	-192540	Intergenic	NM_001159668	fbxo11a	6.808240866	8.020121358	-1.211880493	0.005228
peak_41420	chr8	9259461	9259954	15789	Intergenic	NM_001004671	uxt	5.505906845	6.717858052	-1.211951207	0.022676
peak_35404	chr8	12208320	12208825	3786	intron (NM_200965, intron 4 of 21)	NM_200965	atp2a2a	5.760849916	6.972807947	-1.21195803	0.007505
peak_33138	chr17	24111834	24112566	-34725	Intergenic	NM_131250	otx1b	6.046741819	7.258762969	-1.21202115	0.004544
peak_40078	chr14	31359760	31360077	-1601	Intergenic	NM_001039172	fgf20b	4.248037038	5.460220387	-1.212183349	0.018254
peak_34922	chr12	38791383	38792055	45796	Intergenic	NM_001040355	pmp22b	4.906097005	6.118358397	-1.212261391	0.006757
peak_39039	chr24	28732183	28732573	17058	intron (NM_001080203, intron 1 of 1)	NM_001080203	hs6st1b	4.751878154	5.964150684	-1.21227253	0.015368
peak_43489	chr20	2405104	2405441	145905	Intergenic	NM_001044800	tmem200a	3.860527269	5.072811256	-1.212283986	0.030753
peak_40013	chr24	20052823	20053160	-15012	Intergenic	NM_001003846	sulf1	4.423600265	5.636009258	-1.212408994	0.018059
peak_39104	chr5	27919072	27919274	26244	intron (NM_001128534, intron 14 of 15)	NM_001098190	si:ch211-214j8.1	3.884630599	5.097053637	-1.212423037	0.015539
peak_31818	chr11	24392959	24393932	-136872	Intergenic	NM_001113489	kiss1	6.852368676	8.064899519	-1.212530843	0.003284
peak_34547	chr23	8772228	8772679	-13658	Intergenic	NM_001130639	rgs19	5.355265922	6.567848218	-1.212582295	0.006246
peak_38584	chr6	33755252	33755562	18699	intron (NM_001114441, intron 6 of 12)	NM_001114441	ap1m3	4.367064887	5.579692867	-1.21262798	0.014181
peak_38116	chr3	18059508	18059923	42829	Intergenic	NM_001103113	spag9a	5.633464059	6.846203363	-1.212739303	0.013028
peak_38452	chr2	51416118	51416806	-12115	Intergenic	NM_001142925	adcyap1r1a	5.413804549	6.626571276	-1.212766727	0.013886
peak_42247	chr15	47068009	47068361	-85644	Intergenic	NR_030402		4.065285294	5.27808548	-1.212800186	0.025455
peak_33677	chr7	51213252	51214434	41086	Intergenic	NM_131231	ascl1b	7.065777706	8.278611463	-1.212833757	0.005125
peak_30654	chr13	11193631	11194430	38120	Intergenic	NM_001082952	zbtb18	9.205512011	10.41838517	-1.212873164	0.002399
peak_38276	chr19	26205361	26205741	-26122	intron (NM_212563, intron 2 of 2)	NM_001003475	bloc1s4	4.56345742	5.776478319	-1.213020899	0.013451
peak_37365	chr1	25176996	25177542	103593	Intergenic	NM_205662	ppa2	5.784223923	6.997284109	-1.213060186	0.011345
peak_39351	chr1	26209480	26209941	131166	Intergenic	NM_001122755	bnc2	4.519926288	5.733010932	-1.213084644	0.016195
peak_34816	chr12	41615245	41615575	1264009	Intergenic	NM_001099246	abca5	4.866612942	6.07978037	-1.213167427	0.006575
peak_33782	chr4	1934943	1935414	14492	Intergenic	NM_001002752	yeats4	5.937350623	7.150575714	-1.213225091	0.005242
peak_42000	chr18	15286986	15287589	2063	intron (NM_131578, intron 1 of 16)	NM_131578	arntl2	5.397175482	6.61064412	-1.213468638	0.024672
peak_37306	chr12	50516651	50517311	-45565	intron (NM_001291882, intron 2 of 3)	NM_001039837_1		5.360091665	6.573830276	-1.213738611	0.011227
peak_38223	chr19	39427440	39427827	20796	intron (NM_001002733, intron 1 of 1)	NM_001002733	nxph1	3.851417001	5.065157111	-1.21374011	0.013327
peak_42102	chr6	49633107	49633594	-60577	Intergenic	NM_001017688	npepl1	5.443470232	6.657533728	-1.214063496	0.025011
peak_42514	chr13	50375581	50375982	47139	Intergenic	NM_199981	irf2bp2a	4.471080849	5.685157712	-1.214076864	0.02647
peak_30336	chr14	48036659	48037637	108147	Intergenic	NM_001080662	shisa3	7.437021423	8.651155251	-1.214133828	0.002217
peak_33109	chr23	1985597	1986368	73140	intron (NM_001002301, intron 13 of 15)	NM_001002301	prdm5	6.248326275	7.462472604	-1.214146329	0.004519
peak_32533	chr9	52086749	52087839	301815	exon (NM_001020575, exon 2 of 2)	NM_001020575	fign	6.523529461	7.737685098	-1.214155637	0.003924
peak_39289	chr15	97044	97506	-23755	Intergenic	NM_001077574	med17	5.276710547	6.490868448	-1.214157902	0.01604
peak_39808	chr24	38583428	38584104	-9706	Intergenic	NM_001195241	kcnc3b	5.402933264	6.617212987	-1.214279723	0.017412
peak_41509	chr6	5516550	5516924	648937	Intergenic	NM_001201446	rtn4a	3.809602052	5.023963884	-1.214361832	0.022956
peak_36228	chr24	37882439	37883111	-6751	Intergenic	NM_201480	arf1l	5.563922263	6.778305334	-1.214383072	0.008968
peak_34412	chr20	10015028	10015559	5495	intron (NM_001020738, intron 5 of 6)	NM_001020738	stxbp6l	5.644984921	6.859402014	-1.214417093	0.006071
peak_33494	chr13	24801863	24802461	-836	promoter-TSS (NM_001004529)	NM_001004529	echs1	5.550794982	6.765218126	-1.214423143	0.004912
peak_38527	chr11	31759036	31759477	139408	Intergenic	NM_200716	zgc:73111	5.310441227	6.524993356	-1.214552129	0.014057
peak_43334	chr14	25157330	25157701	-46956	Intergenic	NM_200981	cpeb4	4.281273587	5.495984909	-1.214711323	0.030164
peak_42383	chr5	16302873	16303470	-15027	Intergenic	NM_001128246	sc:d411	5.636118994	6.850985515	-1.214866521	0.025966
peak_39300	chr17	1660918	1661293	-154210	Intergenic	NM_001002412_1	zfyve19	4.608419895	5.82332899	-1.214909095	0.016071
peak_42829	chr20	1527763	1528237	92333	Intergenic	NM_001100056	LOC796447	4.651148601	5.866261832	-1.215113232	0.027809
peak_37225	chr3	3652992	3653581	293580	Intergenic	NM_001114556	zgc:171446	5.372943855	6.588149666	-1.215205811	0.011054
peak_37315	chr13	26732908	26733243	-194763	Intergenic	NM_212982	fancl	4.369194182	5.584433095	-1.215238913	0.011251
peak_29616	chr14	7992461	7993075	57907	Intergenic	NM_001002626	zgc:92242	7.202964414	8.418229313	-1.215264899	0.001809
peak_37170	chr19	6746535	6746893	-40636	Intergenic	NM_001044921	gsk3aa	4.792997377	6.008351818	-1.215354441	0.010953
peak_28766	chr1	8461086	8462004	95358	Intergenic	NM_001020780	uncx4.1	9.290129803	10.50551026	-1.215380459	0.001403
peak_31734	chr9	52085395	52086299	300368	intron (NM_001020575, intron 1 of 1)	NM_001020575	fign	7.029125867	8.244643926	-1.215518059	0.003203

peak_40636	chr14	53230004	53230711	-60114	Intergenic	NM_001020587		4.930899184	6.146488848	-1.215589665	0.020034
peak_29815	chr9	23936103	23937588	14861	intron (NM_001002339, intron 5 of 5)	NM_001002339	arl5a	8.374121637	9.589777546	-1.215655909	0.001922
peak_33826	chr12	45149585	45150170	-373189	Intergenic	NM_001110011_1	dock1	5.426159218	6.641938028	-1.21577881	0.005283
peak_42496	chr3	24022168	24022558	9314	intron (NM_131117, intron 2 of 4)	NM_131118	hoxb4a	4.18281102	5.398597191	-1.215786172	0.026404
peak_34787	chr17	19292970	19293439	302	5' UTR (NM_001161453, exon 2 of 27)	NM_001161453	dicer1	5.636586791	6.852412154	-1.215825363	0.006541
peak_40505	chr9	56186409	56186842	-11553	Intergenic	NM_001130697	tmsb4x	4.897965428	6.113821851	-1.215856423	0.019625
peak_37273	chr12	12152586	12152967	-34045	Intergenic	NM_131406	raraa	4.994472906	6.210417307	-1.215944401	0.011161
peak_43758	chr10	44381980	44382460	117702	Intergenic	NM_198370	zcchc9	4.458077413	5.674041945	-1.215964532	0.032027
peak_38182	chr12	1979336	1979688	177851	Intergenic	NM_131643	sox9a	4.528525488	5.744562669	-1.216037181	0.013228
peak_38886	chr7	22906617	22907141	-49105	Intergenic	NM_001077144	tmem88b	4.988904368	6.204969072	-1.216064704	0.014961
peak_36313	chr9	14721687	14722733	58856	intron (NM_212966, intron 4 of 16)	NM_212966	nrp2b	6.176709942	7.392815463	-1.216105521	0.009164
peak_43962	chr14	53594930	53595303	24063	intron (NM_001024461, intron 20 of 23)	NM_001024461	polr2b	4.325935514	5.542099432	-1.216163918	0.032768
peak_34009	chr3	56574943	56575542	-41865	Intergenic	NM_131561	axin2	5.79302051	7.009325016	-1.216304505	0.005534
peak_35046	chr23	23259213	23260157	213874	Intergenic	NM_001003830	noc2l	6.847424235	8.06378	-1.216355765	0.006942
peak_31219	chr16	42351565	42352283	-114575	intron (NM_001076716, intron 6 of 13)	NM_182855	tgfbr2	6.397697102	7.614077309	-1.216380207	0.00278
peak_29995	chr7	8014583	8016232	148934	Intergenic	NM_205544	actn3b	7.557140093	8.773775843	-1.216635749	0.002023
peak_36543	chr19	26838649	26839120	12482	intron (NM_199983, intron 2 of 6)	NM_199983	mylipa	5.529477799	6.746421097	-1.216943298	0.009636
peak_33072	chr23	46233461	46234466	-28362	Intergenic	NM_130919	vdra	6.86567062	8.082736988	-1.217066367	0.004471
peak_35546	chr1	28396601	28397080	198164	Intergenic	NM_001103123	lig4	4.976387689	6.193503337	-1.217115649	0.00775
peak_40082	chr2	9850357	9851414	-1777	Intergenic	NM_213109	cmpk	5.944529182	7.161786512	-1.21725733	0.018271
peak_35215	chr5	38012661	38013256	-2828	Intergenic	NM_001080643	fam155b	5.690070444	6.90775689	-1.217686446	0.007203
peak_40845	chr18	42527409	42527832	2582	intron (NM_001081628, intron 1 of 18)	NM_001081628	cdon	5.040703998	6.25839458	-1.217690582	0.020699
peak_38485	chr5	11886494	11886790	64398	Intergenic	NM_203478_1	rtn4r	4.128390782	5.346264884	-1.217874102	0.013953
peak_37174	chr25	37766568	37766844	279146	intron (NM_200913, intron 8 of 8)	NM_213100_1	irx3b	4.392472402	5.610346824	-1.217874422	0.010958
peak_43249	chr9	42495681	42496032	-21249	Intergenic	NM_001123273	LOC564685	4.530484981	5.748488117	-1.218003136	0.029764
peak_33096	chr9	55814545	55815201	64787	Intergenic	NM_001126448	lect1	5.397697102	6.615711965	-1.218014863	0.0045
peak_32194	chr6	14745604	14746505	-103956	Intergenic	NM_201447	pou3f3b	6.310995162	7.529090031	-1.218094869	0.003589
peak_41871	chr8	2200690	2202291	179370	Intergenic	NM_001256256	snap29	7.531513239	8.749647282	-1.218134044	0.024194
peak_34082	chr8	29880576	29881133	132123	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	5.2704584	6.488811926	-1.218353526	0.005624
peak_31242	chr13	13007542	13008206	104879	Intergenic	NM_001045208	letm1	6.650247795	7.868676372	-1.218428577	0.002802
peak_34143	chr6	50866617	50867220	-184866	Intergenic	NM_001184955	pigu	6.014716482	7.233198977	-1.218482495	0.005695
peak_31214	chr2	48420537	48421262	3562	Intergenic	NM_194400	hes6	7.421414098	8.640057255	-1.218643157	0.002773
peak_41367	chr11	10386178	10386700	133942	Intergenic	NM_001003883	ect2	5.50838037	6.727038909	-1.218658539	0.022525
peak_35829	chr3	63161849	63162535	22260	Intergenic	NM_131644	sox9b	5.472567065	6.691273311	-1.218706246	0.008254
peak_34361	chr13	31842670	31843102	2911	TTS (NM_001009904)	NM_001009904	six1a	5.158937711	6.377722137	-1.218784426	0.005991
peak_33297	chr11	36638120	36638986	-34507	Intergenic	NM_212679	bhlhe40	6.205052024	7.423845538	-1.218793514	0.004699
peak_33592	chr2	46325225	46326316	116969	intron (NM_201020, intron 1 of 1)	NM_201020_1	gpc1b	6.939870318	8.158898181	-1.219027863	0.005015
peak_43000	chr2	14473328	14473728	-83954	Intergenic	NM_001083863	LOC795615	4.911220758	6.130306471	-1.219085713	0.028646
peak_34216	chr20	28490869	28491308	30612	intron (NM_001111169, intron 3 of 11)	NM_001111169	dpf3	5.236385727	6.455590419	-1.219204692	0.005798
peak_35773	chr5	46686467	46687102	60240	Intergenic	NM_130952	dmrt2a	5.214574373	6.433780367	-1.219205994	0.00816
peak_33616	chr13	32365283	32366294	-2184	Intergenic	NM_001006079	osr1	6.701970026	7.921250669	-1.219280643	0.005041
peak_29710	chr22	3622038	3622725	226526	Intergenic	NM_001013507	timm44	7.395087117	8.614525343	-1.219438226	0.001863
peak_40457	chr18	43588465	43588892	-25568	Intergenic	NM_001004538	gyltl1b	4.819803481	6.039251957	-1.219448477	0.019438
peak_37907	chr8	50639140	50639468	-122953	Intergenic	NM_001128741	zgc:195023	4.782650538	6.00224383	-1.219593292	0.012531
peak_29512	chr14	4246432	4246872	8326	intron (NM_001013527, intron 1 of 8)	NM_001013527	enpp6	7.122546476	8.342234392	-1.219687915	0.001765
peak_42827	chr15	6521853	6522177	24508	Intergenic	NM_001079946	gltscr2	4.630830115	5.85056972	-1.219739605	0.027804
peak_37114	chr18	9178084	9178554	230765	Intergenic	NM_001045084	sema3e	5.142811937	6.362630295	-1.219818358	0.010803
peak_40870	chr11	43172340	43173022	-69095	Intergenic	NM_001105592	her15.2	5.202683352	6.42260121	-1.219917858	0.020787
peak_33464	chr18	45113999	45114526	-20774	intron (NM_001282486, intron 12 of 13)	NM_001013504	pid1	6.187627621	7.407606838	-1.219979216	0.004883
peak_35560	chr16	832654	833136	12245	Intergenic	NM_207185	irx1a	5.849893014	7.069927829	-1.220034815	0.007772
peak_35151	chr15	37533284	37533638	28543	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	5.22346309	6.44349947	-1.220036379	0.007111
peak_43576	chr8	9665205	9665461	147075	Intergenic	NM_200092	bcap31	3.809602052	5.029651876	-1.220049823	0.031115
peak_35303	chr17	21757017	21757315	8020	intron (NM_001002219, intron 1 of 8)	NM_001002219	htra1a	4.66594746	5.886068911	-1.220121451	0.007326
peak_38089	chr15	42445482	42445825	-62096	Intergenic	NM_214722	ctsc	4.868872007	6.089118608	-1.220246601	0.012975
peak_33979	chr24	40569833	40570739	-139809	Intergenic	NM_212748	rpn2	6.113487989	7.333778137	-1.220290148	0.005501
peak_40192	chr17	46261917	46262322	286450	Intergenic	NR_029933		5.140907462	6.361297059	-1.220389597	0.018592
peak_35455	chr6	35306815	35307149	4383	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	4.418468701	5.63903147	-1.220562768	0.007573
peak_37378	chr15	45723423	45724058	-61238	Intergenic	NM_001278822	igsf11	6.386425181	7.607119272	-1.220694091	0.011396
peak_37949	chr6	7337463	7337732	-1116	Intergenic	NM_001002603	ccdc65	4.166915653	5.387621216	-1.220705563	0.01261
peak_29006	chr10	43224954	43227470	-53053	Intergenic	NM_205600	orai1b	10.32146539	11.54225524	-1.220789854	0.001513
peak_34549	chr19	9026923	9027787	-76983	Intergenic	NM_200597	efna1a	7.058509905	8.279341565	-1.22083166	0.006251
peak_41337	chr4	53517888	53518246	56779	intron (NM_001109740, intron 1 of 2)	NM_001114418	zgc:174704	4.450052762	5.6711428	-1.221090038	0.022419
peak_33977	chr8	51962177	51963315	26852	Intergenic	NM_213072	gkap1	6.721734095	7.943392833	-1.221658738	0.005501
peak_38054	chr8	45636983	45637609	-20084	Intergenic	NM_001007032	ncor2	5.912316341	7.13404172	-1.221725378	0.012896
peak_40774	chr23	24676005	24676502	-45741	Intergenic	NM_001033590	fam131c	4.760062422	5.981847704	-1.221785282	0.020504
peak_32883	chr6	7485275	7485802	35005	Intergenic	NM_001002070	pa2g4a	6.754347818	7.976278008	-1.22193019	0.00426
peak_43925	chr10	20818553	20818915	-31420	Intergenic	NM_200782	kcnip3b	4.191260267	5.4132115	-1.221951233	0.032642
peak_32222	chr9	51451114	51451805	-285967	Intergenic	NM_001017644	slc38a11	5.777425773	6.999386629	-1.221960856	0.003616
peak_39698	chr5	3013952	3014487	90167	Intergenic	NM_001089476	hsf5	5.759227137	6.981272885	-1.222045748	0.017141
peak_34002	chr6	2630264	2630975	-201346	Intergenic	NM_200334	hyi	5.895773041	7.11793476	-1.222161719	0.005521
peak_36765	chr13	51162512	51163413	12817	Intergenic	NM_001040376	pkz	5.979527054	7.201694998	-1.222167944	0.01005
peak_35586	chr1	51698278	51698710	-2261	Intergenic	NM_001145581	btbd3a	5.30933272	6.531569987	-1.222237267	0.007823
peak_42179	chr11	27603162	27603393	31892	Intergenic	NM_001045307	acad9	4.419496475	5.641890549	-1.222394073	0.025264
peak_30376	chr5	8549331	8549731	-9629	Intergenic	NM_001002654	pdlim5a	6.332482119	7.555140964	-1.222658846	0.002237
peak_36433	chr16	16170116	16170716	155882	Intergenic	NM_200232	polr3c	4.47701655	5.699681861	-1.222665311	0.009411
peak_42797	chr19	39420922	39421573	14410	intron (NM_001002733, intron 1 of 1)	NM_001002733	nxph1	4.722150645	5.9448713	-1.222720655	0.027682
peak_35664	chr9	51667976	51668393	-117295	Intergenic	NM_001020575	fign	4.912681351	6.135507959	-1.222826608	0.007964
peak_35465	chr21	8766016	8766478	31627	intron (NM_001089543, intron 1 of 45)	NM_001089543	ptpn13	5.164465597	6.387367407	-1.22290181	0.007594
peak_34035	chr1	13806440	13806808	-136736	Intergenic	NM_001076622	itln1	4.868872007	6.091889558	-1.223017551	0.005561
peak_33174	chr1	51423730	51424249	-6599	Intergenic	NM_131215	otx1a	6.816078264	8.039241502	-1.223163237	0.004577
peak_37871	chr9	8521719	8522050	72003	Intergenic	NM_001045426	zgc:153499	4.635260365	5.858464829	-1.223204464	0.012451
peak_32610	chr12	24172214	24173372	-97974	Intergenic	NM_206830	rab18a	7.888352512	9.111566804	-1.223214291	0.003986
peak_36776	chr14	12858646	12858999	208703	intron (NM_198360, intron 11 of 14)	NM_001003847	thoc2	4.30933272	5.532755042	-1.223422322	0.010077
peak_35640	chr12	46651626	46652265	-30510	Intergenic	NM_212942	fbxl15	5.597056379	6.820598716	-1.223542337	0.007901
peak_39129	chr8	27482643	27483511	-20875	Intergenic	NM_001128346	si:ch211-106g4.2	5.415896059	6.639446996	-1.223550938	0.015619
peak_38765	chr16	32342727	32343123	-127567	Intergenic	NM_001199365	sema6e	4.782650538	6.006244867	-1.223594329	0.014647
peak_37077	chr13	53050637	53051382	62911	Intergenic	NM_001135784	nkx6.2	5.649346427	6.87311778	-1.223771353	0.01073
peak_39339	chr9	15589255	15589799	111344	Intergenic	NM_131520	fn1a	5.265289428	6.489149681	-1.223860252	0.016161
peak_38780	chr21	12428397	12428788	364846	Intergenic	NM_001025182	stxbp1a	4.632603848	5.856473534	-1.223869686	0.014698
peak_40990	chr19	46402833	46403612	-463509	Intergenic	NM_001083814	ptpro	5.686232647	6.910144167	-1.22391152	0.021246
peak_32542	chr8	35239633	35240321	16720	intron (NM_001002420, intron 1 of 26)	NM_001002420	gapvd1	7.037370165	8.26131262	-1.223942455	0.003932
peak_33084	chr13	5814271	5814928	50351	Intergenic	NM_001003600	fam120b	6.571108244	7.795054269	-1.223946025	0.004481
peak_33764	chr8	4454452	4455565	-88313	Intergenic	NM_001040045	myl2b	6.188532244	7.412680741	-1.224148497	0.00522
peak_38153	chr11	35144914	35145413	102782	Intergenic	NM_001045355	tmem44	5.567635625	6.791851232	-1.224215606	0.013143
peak_36344	chr16	37064696	37065559	177	intron (NM_001017850, intron 1 of 4)	NM_001017850	stmn1b	6.396116449	7.620626689	-1.22451024	0.009219
peak_40831	chr3	55083033	55083702	219207	intron (NM_212717, intron 5 of 5)	NM_212717	olfm2a	5.404491329	6.629188855	-1.224697526	0.020655
peak_30848	chr6	7495848	7496277	45529	Intergenic	NM_001002070	pa2g4a	5.878642414	7.103443239	-1.224800824	0.002525
peak_39087	chr25	33862474	33862908	-10273	Intergenic	NM_001080672	zgc:158624	5.336824787	6.561643849	-1.224819062	0.015497
peak_35974	chr6	25713431	25713840	-26049	Intergenic	NM_212689	lmo4b	5.376092767	6.600939989	-1.224847222	0.008487
peak_42021	chr15	47066265	47066812	-87291	Intergenic	NR_030402		5.421006827	6.645947588	-1.22494076	0.02475
peak_28029	chr15	4346171	4347738	40138	intron (NM_198208, intron 3 of 13)	NM_198208	tfdp2	9.590933257	10.81604806	-1.225114802	0.001114
peak_43767	chr5	74574099	74574572	260483	Intergenic	NM_001003993	ak1	4.631717254	5.856835406	-1.225118152	0.032079
peak_29560	chr8	55674275	55677311	10615	intron (NM_131212_1, intron 3 of 3)	NM_131212_1	exorh	10.28476118	11.51011914	-1.225357964	0.001792
peak_30025	chr5	38210593	38212570	214	intron (NM_001044789, intron 1 of 3)	NM_001044789	nova1	8.171668622	9.3971282	-1.225459578	0.002039
peak_36683	chr19	26565259	26565699	108814	intron (NM_001202459, intron 2 of 17)	NM_001202459	jarid2b	4.586571412	5.812192759	-1.225621347	0.009883

peak_32448	chr23	37865493	37865994	-43132	Intergenic	NM_131881	irx7	5.408120284	6.633859679	-1.225739395	0.003838
peak_43457	chr19	36845341	36845927	64270	Intergenic	NM_001020633	ndufs5	4.738714804	5.964466601	-1.225751797	0.030624
peak_34318	chr20	37611350	37612273	-64634	Intergenic	NM_001030164	hivep2a	6.79717803	8.02293946	-1.22576143	0.00593
peak_37962	chr5	5761858	5762301	508888	Intergenic	NM_205570	zgc:73226	4.306002077	5.531802021	-1.225799944	0.012666
peak_41537	chr17	21597945	21598496	15947	Intergenic	NM_001115098	hmx2	5.670296518	6.89610691	-1.225810392	0.023047
peak_34416	chr8	34145179	34145649	84541	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	5.208046443	6.434032889	-1.225986446	0.006078
peak_33923	chr4	628626	629139	-22478	Intergenic	NM_001114983	sobpb	5.113188941	6.339260388	-1.226071447	0.00544
peak_35147	chr17	10546396	10547021	19286	Intergenic	NM_001020545	zgc:109986	6.645631021	7.871755985	-1.226124964	0.007105
peak_41745	chr13	17466950	17467164	46278	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	3.931577743	5.157724634	-1.22614689	0.023798
peak_38118	chr1	56457795	56458119	7657	intron (NM_214757, intron 3 of 3)	NM_214757	asf1bb	4.641439946	5.867754878	-1.226314932	0.013031
peak_29705	chr20	2415059	2415846	156085	Intergenic	NM_001044800	tmem200a	8.007884593	9.23430082	-1.226416227	0.001862
peak_39185	chr10	38378393	38378744	-99666	Intergenic	NM_001077461	cuedc1a	4.304890152	5.531334953	-1.226444801	0.015787
peak_41805	chr13	2073628	2074118	14320	intron (NM_001013445, intron 1 of 12)	NM_001013445	lrrc1	5.2704584	6.496961427	-1.226503027	0.023974
peak_36104	chr20	49509162	49509685	-86876	Intergenic	NM_001014329	naa20	4.683215657	5.909838579	-1.226622922	0.008733
peak_41915	chr8	6619652	6620002	-526762	Intergenic	NM_001130781	vsig8b	4.450052762	5.676737245	-1.226684483	0.024386
peak_37649	chr5	8738010	8738421	104629	Intergenic	NM_131457	bmpr1ba	5.089454771	6.316156296	-1.226701525	0.011945
peak_40198	chr5	26559660	26560327	8425	intron (NM_001008576, intron 1 of 3)	NM_001128359	rhbdd3	6.010650079	7.237371963	-1.226721884	0.018596
peak_38735	chr18	32366873	32367442	17027	Intergenic	NM_001144796	c3orf33	4.610221378	5.836948154	-1.226726775	0.014551
peak_37041	chr2	46607448	46607811	-164890	Intergenic	NM_201020_1	gpc1b	4.776199364	6.00300169	-1.226802326	0.010639
peak_38680	chr22	5054538	5055043	-26927	Intergenic	NM_001118891	s1pr4	5.066598018	6.293442714	-1.226844696	0.014383
peak_42943	chr15	25128103	25128621	-103891	Intergenic	NR_030247		4.983354802	6.210242331	-1.226887529	0.028339
peak_34137	chr5	3551260	3551745	33040	intron (NM_213022, intron 1 of 1)	NM_213022	ywhag1	5.2704584	6.497653781	-1.227195381	0.005689
peak_40627	chr23	33102792	33103429	-400834	Intergenic	NR_029935		5.555037249	6.782352985	-1.227315736	0.020007
peak_40414	chr2	25398025	25398656	-128287	Intergenic	NM_001159832	fndc3ba	5.294778726	6.522104075	-1.227325349	0.019297
peak_41557	chr10	44730612	44731020	63339	intron (NM_214688, intron 11 of 14)	NM_214688	vcanb	3.970047467	5.197417045	-1.227369578	0.02315
peak_42323	chr7	69628440	69628694	105577	Intergenic	NM_198143	rpl13	4.040035898	5.267516484	-1.227480587	0.02572
peak_42538	chr6	59382522	59383294	-18824	Intergenic	NM_001114886	zgc:171476	5.19726529	6.424866125	-1.227600836	0.026615
peak_31643	chr4	7543947	7545067	-3464	intron (NM_130937, intron 2 of 5)	NM_001015043	fbxl14b	7.257559756	8.485261198	-1.227701442	0.003121
peak_29934	chr9	16158782	16159617	-319237	Intergenic	NM_200144	upp2	7.837422539	9.065180155	-1.227757616	0.001985
peak_34841	chr11	2139759	2140164	10285	intron (NM_200495, intron 6 of 12)	NM_131530	hoxc6b	5.034679932	6.262606447	-1.227926515	0.00662
peak_34780	chr21	38467352	38467767	7258	intron (NM_194384, intron 1 of 9)	NM_194384	aldocb	5.399260829	6.627225074	-1.227964244	0.006531
peak_37752	chr2	58041025	58041895	-68270	Intergenic	NM_001009556	ncstn	7.027441566	8.255445489	-1.228003924	0.012164
peak_42079	chr17	26246484	26246757	200016	Intergenic	NM_001080665	fam149b1	4.224639552	5.452695351	-1.2280558	0.024937
peak_29437	chr9	44792068	44793077	-75268	Intergenic	NM_001077569	cwc22	7.739979482	8.968130982	-1.228151501	0.001723
peak_34896	chr17	13594171	13594899	631647	Intergenic	NM_001172570	pnn	5.8326138	7.060915926	-1.228302127	0.006715
peak_35265	chr3	7460090	7460508	-377491	Intergenic	NM_001105127	zgc:173577	4.85293938	6.081265819	-1.22832644	0.007282
peak_34794	chr24	11463766	11464456	129596	intron (NM_205728, intron 2 of 14)	NM_205728	gli3	6.787622633	8.016016105	-1.228393472	0.006548
peak_32463	chr7	32952199	32953197	176640	Intergenic	NM_001007453	nap1l4b	7.171830004	8.400234087	-1.228404083	0.003854
peak_41760	chr19	6884298	6884906	-69167	Intergenic	NM_001044927	erf	5.455073397	6.683514361	-1.228440964	0.023831
peak_36131	chr23	17330220	17330815	56837	Intergenic	NM_001003577	commd7	5.72672478	6.955190284	-1.228465504	0.008793
peak_27804	chr11	6135870	6137709	-13442	Intergenic	NM_213239	nr2f6b	8.718692235	9.947231516	-1.228539281	0.001032
peak_37442	chr14	53074698	53075669	-40792	Intergenic	NM_199952	ube2d2l	5.651123077	6.879692041	-1.228568964	0.011538
peak_33250	chr9	24358689	24359197	32883	Intergenic	NM_213248	arl4cb	7.049722237	8.278429105	-1.228706868	0.004649
peak_29311	chr3	54188823	54189833	8102	intron (NM_131549, intron 2 of 32)	NM_131549	notch3	7.939606905	9.168345394	-1.228738489	0.001671
peak_31227	chr19	15206141	15206834	80958	Intergenic	NM_001044982	cited4a	8.396139292	9.624912607	-1.228773315	0.002786
peak_36040	chr4	173735	174332	72398	Intergenic	NM_201060	rpl18a	5.035350516	6.264198786	-1.22884827	0.008591
peak_38418	chr18	824218	824798	-47746	Intergenic	NM_214735	dhdhl	5.201488841	6.430408782	-1.22891994	0.013832
peak_32756	chr5	27328059	27328768	3012	exon (NM_213039, exon 2 of 6)	NM_213039	zfand5a	6.827578485	8.056839711	-1.229261226	0.004132
peak_38413	chr5	34950412	34950996	-6956	Intergenic	NM_001014828	ptges	6.646082937	7.875391812	-1.229308875	0.013814
peak_33373	chr10	1172678	1173780	17674	intron (NM_001114924_1, intron 2 of 4)	NM_001114924_1	bmpr1bb	6.189755097	7.419087597	-1.2293325	0.004788
peak_31454	chr5	41109560	41110742	60	promoter-TSS (NM_001105105)	NM_001105105	prdm8b	7.382345897	8.611706019	-1.229360122	0.002955
peak_35669	chr23	3522778	3523492	2159	intron (NM_001001828, intron 1 of 5)	NM_001001828	rnf114	5.416925666	6.646580171	-1.229654505	0.007971
peak_38803	chr2	46914625	46915107	-472127	Intergenic	NM_201020_1	gpc1b	5.470089187	6.699763948	-1.229674762	0.014784
peak_34257	chr5	46134200	46134710	-19068	Intergenic	NM_001111220	gas1a	5.543742525	6.773465308	-1.229722782	0.005841
peak_30943	chr25	18795298	18796047	22121	Intergenic	NM_194380	dusp6	7.15970674	8.389525931	-1.229819191	0.002584
peak_29234	chr15	46526250	46528095	865	intron (NM_200541, intron 1 of 12)	NM_200541	zgc:66101	7.991091589	9.221005408	-1.229913818	0.001628
peak_33962	chr15	38175084	38175696	38263	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	5.619642432	6.849683578	-1.230041146	0.005486
peak_36347	chr16	77534	78517	-16409	intron (NM_200627, intron 6 of 10)	NM_200627_1	cdkal1	6.494233498	7.724376456	-1.230142958	0.009228
peak_40988	chr18	7543168	7543549	-152383	Intergenic	NM_001013543	arsa	4.453067239	5.683214018	-1.230146778	0.021245
peak_35818	chr9	22654564	22655546	85825	Intergenic	NM_001123235	arhgef7a	6.221696597	7.451940612	-1.230244015	0.008237
peak_36684	chr11	6557639	6558132	19072	Intergenic	NM_213031	gadd45ba	5.47602896	6.706391269	-1.230362309	0.009883
peak_40503	chr7	44782391	44782747	-21758	Intergenic	NM_131214	cdh11	4.437931469	5.668297045	-1.230365576	0.019604
peak_38156	chr16	40709153	40709444	-94141	Intergenic	NM_200570	selenbp1	4.25726398	5.48781833	-1.230554349	0.013151
peak_40071	chr10	4967775	4968112	26	promoter-TSS (NM_001098759)	NM_001098759	zgc:165597	4.263000995	5.493571306	-1.230570311	0.018222
peak_36951	chr25	27970659	27971241	181053	intron (NM_001287539, intron 5 of 9)	NM_001287539	LOC569768	4.66594746	5.896531506	-1.230584047	0.010458
peak_38181	chr5	33264690	33265281	62512	Intergenic	NM_201119	sh3glb2b	6.170600759	7.401189373	-1.230588614	0.013218
peak_42203	chr18	17240560	17241067	1486	Intergenic	NR_030087		5.329188601	6.559907726	-1.230719124	0.025336
peak_41788	chr1	49480137	49480718	251731	Intergenic	NM_001115060	cxcl-c1c	4.865859134	6.096603248	-1.230744114	0.023913
peak_41358	chr8	4360514	4360903	-129324	Intergenic	NM_200864	zgc:77875	4.83451899	6.065367989	-1.230848999	0.022511
peak_32362	chr24	29373462	29374165	-13460	Intergenic	NM_200595	fbxo45	7.806763021	9.037629345	-1.230866323	0.003749
peak_41508	chr12	34325909	34326629	-29893	Intergenic	NM_130982	nog3	4.261855416	5.492724284	-1.230868869	0.02295
peak_42231	chr20	36101336	36101748	30292	intron (NM_001030185, intron 2 of 2)	NM_001030185	ptchd4	3.091390725	4.322394426	-1.231003701	0.025414
peak_41533	chr16	51123868	51124207	480788	Intergenic	NM_001003763	eif3ha	5.02187925	6.252883699	-1.231004449	0.023035
peak_34098	chr11	28378822	28379183	970	TTS (NR_029987)	NR_029987		5.235218809	6.466238786	-1.231019977	0.00564
peak_32195	chr11	28641395	28641785	-58150	Intergenic	NR_023337		5.708711963	6.939762716	-1.231050753	0.00359
peak_39726	chr24	23992480	23993195	286495	Intergenic	NM_001075111	hnf4g	5.59113946	6.822227495	-1.231088036	0.017209
peak_34749	chr6	51107824	51108102	416831	Intergenic	NM_001130610	rbl1	4.545626554	5.776792808	-1.231166254	0.006481
peak_34391	chr20	24984968	24985682	7320	intron (NM_001044979, intron 3 of 17)	NM_001044979	epha7	6.691109864	7.922291736	-1.231181872	0.006038
peak_43304	chr16	46855596	46856199	124473	intron (NM_001039635, intron 3 of 7)	NM_001039635	zfpm2a	4.150915405	5.382132293	-1.231216888	0.030015
peak_32686	chr23	44867683	44868766	1728	intron (NM_001008592, intron 2 of 7)	NM_001008592	zgc:101853	6.490829325	7.722091226	-1.231261901	0.004069
peak_41858	chr19	19375517	19375867	999	intron (NM_001003447, intron 1 of 2)	NM_001003447	rpl15	3.812734601	5.044046024	-1.231311423	0.024147
peak_34331	chr16	20198485	20199027	-294538	Intergenic	NM_131238	rxrbb	5.483448122	6.714785706	-1.231337584	0.005961
peak_32505	chr24	30382739	30383209	104213	Intergenic	NM_001163988	prmt6	5.256113835	6.48764849	-1.231534656	0.003899
peak_33950	chr4	2799197	2799996	16741	intron (NM_213494, intron 7 of 7)	NM_213494	aebp2	5.502030931	6.733581078	-1.231550147	0.005469
peak_39577	chr19	36395388	36395884	26290	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	4.715471362	5.947049801	-1.231578439	0.016826
peak_38620	chr17	52298532	52298808	28439	Intergenic	NM_131801	odc1	4.441983226	5.673564845	-1.231581619	0.014261
peak_42921	chr15	43593763	43594080	-12984	Intergenic	NM_214806	gria4a	4.510311118	5.741950308	-1.23163919	0.028213
peak_42461	chr7	6223031	6223416	-4244	Intergenic	NM_153674	vangl2	3.552201346	4.783842748	-1.231641402	0.026272
peak_36386	chr1	60259369	60261118	3025	intron (NM_001190758, intron 1 of 63)	NM_001190758	col5a3b	7.110954696	8.342747858	-1.231793163	0.009299
peak_31782	chr8	12855820	12857271	64064	Intergenic	NM_001128526	phf13	7.557250018	8.789151065	-1.231901047	0.003252
peak_30397	chr15	10299458	10301088	124124	Intergenic	NM_001002694	prcp	8.196974373	9.428991527	-1.232017153	0.002249
peak_35015	chr25	2324651	2325221	-40067	Intergenic	NM_001143920_1	yars2	5.577364833	6.809615598	-1.232250765	0.0069
peak_39091	chr19	49759809	49760260	-2496	intron (NM_001040330, intron 2 of 8)	NM_001077720	atf6b	4.140907462	5.373331935	-1.232424473	0.01551
peak_29381	chr12	36604027	36605092	-172647	Intergenic	NM_001256248	tbccl	8.252797844	9.485646661	-1.232848817	0.001698
peak_32560	chr3	17019801	17020561	-161038	Intergenic	NM_001077392	hcrt	7.388664974	8.621620897	-1.232955923	0.003944
peak_38624	chr9	52157662	52158119	372411	Intergenic	NM_001020575	fign	4.84531137	6.078267628	-1.232956258	0.014268
peak_39176	chr23	23296580	23296995	176772	Intergenic	NM_001003830	noc2l	5.141530454	6.374563481	-1.233033027	0.015767
peak_41973	chr9	54913472	54913892	-167962	Intergenic	NM_001288817	trpm2	4.450052762	5.683235086	-1.233182324	0.024564
peak_37999	chr19	23003595	23004243	-40734	Intergenic	NM_001100032	pleca	5.627250145	6.860567006	-1.23331686	0.012755
peak_36067	chr8	7830403	7831049	-21631	Intergenic	NM_001164240	cenpa	5.263034397	6.496368466	-1.233334069	0.008652
peak_41269	chr21	41725019	41725362	-9320	Intergenic	NM_001115117	sept8a	4.717930982	5.951278936	-1.233347954	0.022236
peak_37366	chr20	13397606	13398340	79914	intron (NM_001030168, intron 17 of 24)	NM_001030168	enpp1	5.648031685	6.881473207	-1.233441522	0.01135
peak_40295	chr14	13972379	13972857	936	exon (NM_201467, exon 2 of 16)	NM_201467	prp19	5.497171351	6.730655157	-1.233483806	0.018923
peak_42976	chr17	4876204	4877026	47666	Intergenic	NM_201084	cdc5l	4.823645266	6.057151043	-1.233505777	0.028553
peak_39734	chr19	34226101	34226639	-1870	Intergenic	NM_001044842	si:dkey-284p5.3	5.166915653	6.400432024	-1.233516371	0.017227

peak_32115	chr5	16835097	16835604	-71986	Intergenic	NM_183339	tbx1	6.128390782	7.361995099	-1.233604317	0.003514
peak_41889	chr10	34093913	34094502	-32446	Intergenic	NM_001017871	myl10	5.173631932	6.407383917	-1.233751986	0.024295
peak_38184	chr7	73545909	73546494	342156	Intergenic	NM_001115141	dhx15	5.188816077	6.422585925	-1.233769849	0.013234
peak_40049	chr11	30942343	30942695	-70721	Intergenic	NM_001007297	ace2	4.310441227	5.5442227	-1.233781473	0.018154
peak_40331	chr24	26986754	26987364	-95	promoter-TSS (NR_030509)	NR_030509		5.111917952	6.345742043	-1.233824091	0.019021
peak_43810	chr16	39612216	39612522	-52966	Intergenic	NM_001089484	scmh1	4.079659981	5.313515059	-1.233855078	0.032217
peak_34131	chr7	15381570	15382156	31394	Intergenic	NM_001044797	mrps11	6.2920083	7.526011741	-1.234003442	0.005687
peak_30478	chr13	10667918	10669028	132664	Intergenic	NM_200480	dync2li1	6.230524594	7.464591063	-1.23406647	0.002301
peak_39725	chr15	15245535	15245897	41567	exon (NM_001020595, exon 3 of 8)	NM_001017695	rnmtl1a	4.84143745	6.075581914	-1.234144464	0.017207
peak_43173	chr19	23858058	23858315	75309	Intergenic	NM_001114698	irgf1	4.297082589	5.531256828	-1.234174238	0.029407
peak_33384	chr19	26313854	26314662	-55750	Intergenic	NM_212563	pard6gb	6.019150059	7.253347433	-1.234197374	0.004801
peak_31505	chr15	37485797	37486328	-18856	Intergenic	NM_131481	robo1	6.317366252	7.55157095	-1.234204698	0.003
peak_39624	chr5	73961163	73961414	20449	Intergenic	NM_001017876_1	fsip1	4.260708926	5.495049334	-1.234340408	0.016938
peak_36573	chr19	49823980	49824299	8402	intron (NM_001040330, intron 2 of 8)	NM_001100147	zgc:158376	4.095254858	5.329683338	-1.234428479	0.009687
peak_37717	chr6	57213002	57213406	213335	Intergenic	NM_001002869	ddx27	4.096540606	5.331008462	-1.234467856	0.01208
peak_39412	chr18	240612	241064	2081	intron (NM_001025299, intron 1 of 9)	NM_001025299	slc27a2a	4.280142431	5.514949899	-1.234807468	0.016339
peak_34359	chr16	12618506	12618897	73786	Intergenic	NM_131602	dedd1	4.76734639	6.002169041	-1.234822651	0.00599
peak_33980	chr20	44690007	44690490	11744	intron (NM_200812, intron 2 of 3)	NM_200812	fkbp1b	5.878268689	7.113192394	-1.234923705	0.005501
peak_42258	chr13	34667673	34667994	-245274	intron (NM_200549, intron 8 of 19)	NM_001100953	tasp1	3.760062422	4.995057251	-1.234994828	0.025487
peak_39820	chr10	44583716	44584211	13996	Intergenic	NM_001023581	tmem167a	5.350423983	6.585426907	-1.235002923	0.01747
peak_39364	chr12	49198196	49198520	150544	Intergenic	NM_001276496	polr3a	3.679788522	4.914820624	-1.235032102	0.016222
peak_33705	chr14	38860144	38861422	653884	Intergenic	NM_001048055	lect2l	6.683001699	7.918088172	-1.235086473	0.005149
peak_36079	chr3	4018398	4019118	-37317	Intergenic	NM_001201405	si:dkey-46g23.5	5.700254938	6.935421158	-1.23516622	0.008682
peak_37110	chr5	23501549	23501924	169831	Intergenic	NM_001099997	LOC559803	4.389328476	5.624552649	-1.235224173	0.010795
peak_41107	chr22	11124593	11125017	38493	intron (NM_001123229, intron 1 of 20)	NM_001123229	insrb	4.757578822	5.992912732	-1.23533391	0.021727
peak_33914	chr7	35398941	35399817	6471	intron (NM_001114317, intron 3 of 21)	NM_001114317	map2k5	5.842992736	7.078441613	-1.235448877	0.005431
peak_37351	chr6	25510726	25511242	176602	Intergenic	NM_212689	lmo4b	5.699856693	6.935307164	-1.235450472	0.011324
peak_42201	chr3	5390644	5391155	-130322	Intergenic	NM_001076602	slc25a38a	4.566244234	5.801700433	-1.235456199	0.025327
peak_38291	chr18	45775361	45775789	27490	Intergenic	NM_199925	zgc:77304	4.025258877	5.260854229	-1.235595352	0.013499
peak_30912	chr3	21910449	21911102	-315315	Intergenic	NM_001003857	itga2b	6.081322328	7.316918284	-1.235595956	0.002561
peak_42903	chr14	37409923	37410307	-36490	Intergenic	NM_130975	pitx2	4.988211839	6.223820044	-1.235608206	0.028163
peak_29908	chr9	46343247	46344045	282010	Intergenic	NM_001004004	retsatl	6.372397726	7.608115841	-1.235718115	0.001973
peak_29316	chr13	25185388	25186734	119314	intron (NM_001272084, intron 8 of 10)	NM_001110395	zgc:172281	8.141401986	9.377139122	-1.235737135	0.001674
peak_38350	chr17	42332008	42332471	62053	Intergenic	NM_130949	foxa2	4.438945476	5.674819875	-1.2358744	0.013657
peak_34254	chr1	28320234	28320715	121798	Intergenic	NM_001103123	lig4	5.334134011	6.570184143	-1.236050132	0.005839
peak_38759	chr1	21392018	21392367	33926	Intergenic	NM_201477	uchl1	4.501545709	5.737668896	-1.236123186	0.014634
peak_33046	chr13	46258981	46259885	-20442	Intergenic	NM_001080635_1	ldlrap1b	6.692835851	7.929044672	-1.23620882	0.004441
peak_30737	chr7	49739145	49739604	-6376	Intergenic	NM_001080090	oaz2b	5.961605146	7.197909784	-1.236304638	0.00245
peak_37924	chr14	47096849	47097376	15118	intron (NM_001076572, intron 1 of 9)	NM_001076572	atp8a1	5.415866015	6.652215263	-1.236349249	0.012564
peak_35063	chr11	35156092	35156674	114002	Intergenic	NM_001045355	tmem44	5.603879949	6.840266378	-1.236386429	0.006964
peak_39122	chr15	38469370	38469851	139250	Intergenic	NM_173232	rps5	5.565780139	6.802301422	-1.236521283	0.015601
peak_30315	chr19	10084037	10084574	10615	3' UTR (NM_213398, exon 5 of 5)	NM_213398	vamp1	7.632258509	8.868792923	-1.236534414	0.002204
peak_41347	chr3	12694259	12694626	28754	intron (NM_001110762, intron 2 of 2)	NM_001110762	vasnb	4.478989702	5.715859871	-1.236870169	0.022463
peak_34995	chr8	53548402	53548768	22727	intron (NM_001040037, intron 1 of 19)	NM_001040037	bmp1a	4.770571942	6.007559724	-1.236987781	0.006857
peak_27893	chr14	22831651	22833458	9200	intron (NM_131714, intron 3 of 10)	NM_131714	ctbp1	10.21395808	11.45096775	-1.237009674	0.001064
peak_34571	chr24	3139227	3139645	8804	Intergenic	NM_001017762	tubb6	5.125874362	6.362887637	-1.237013275	0.006291
peak_42825	chr8	16076996	16077341	-254689	Intergenic	NM_001017814	spata6	4.500574775	5.737608702	-1.237033927	0.027799
peak_39834	chr3	57802197	57802602	98114	Intergenic	NM_001099249_2	zgc:165627	4.55032589	5.787438781	-1.237112892	0.017516
peak_33944	chr12	36322584	36323470	-46298	intron (NM_200842, intron 3 of 6)	NM_001105598	timm23	6.160150026	7.397352469	-1.237202442	0.005462
peak_32224	chr7	22309913	22310441	-131442	Intergenic	NM_001017564	zgc:113025	6.570645711	7.807961034	-1.237315324	0.003618
peak_35435	chr9	30702348	30703296	-2039	Intergenic	NM_200271	rnaseh2b	6.446275786	7.683767638	-1.237491851	0.007549
peak_40775	chr11	40064890	40065280	-118078	Intergenic	NM_200531_1	mfsd4a	3.884630599	5.122334462	-1.237703863	0.020507
peak_32969	chr1	8370025	8372191	4921	TTS (NM_001020780)	NM_001020780	uncx4.1	7.668765753	8.906624628	-1.237858874	0.004369
peak_38436	chr2	36882355	36882787	-15116	Intergenic	NM_001001941	copa	4.06002242	5.297935935	-1.237913515	0.013867
peak_38408	chr9	3369012	3370237	-14925	Intergenic	NM_131305	dlx1a	5.876772819	7.115068176	-1.238295357	0.0138
peak_36826	chr1	9670903	9671139	-21330	Intergenic	NM_001039805	tnrc5	4.065285294	5.303679387	-1.238394093	0.010166
peak_38841	chr6	5002111	5002538	570124	Intergenic	NM_201285	pou4f1	4.779451908	6.017869257	-1.238417349	0.014857
peak_33985	chr20	28337260	28338020	41098	intron (NM_001045119, intron 26 of 35)	NM_001110126	chac1	5.984396973	7.223009722	-1.238612749	0.005506
peak_42809	chr2	28100079	28100356	-443	promoter-TSS (NM_173278)	NM_173278	mc4r	3.877168754	5.11580515	-1.238636396	0.027743
peak_37551	chr17	37509963	37511278	-43708	Intergenic	NM_001256223	ptgr2	7.697403988	8.936113963	-1.238709975	0.011759
peak_29156	chr4	12319665	12321127	-172	promoter-TSS (NM_001044851)	NM_001044851	grip1	7.736987914	8.975761923	-1.238774009	0.001586
peak_40600	chr6	14781620	14782019	-68191	Intergenic	NM_201447	pou3f3b	4.659002196	5.897780489	-1.238778293	0.019924
peak_30324	chr7	25911260	25912315	-25041	Intergenic	NM_213433	cmtr2	7.695396215	8.934308417	-1.238912202	0.00221
peak_41464	chr8	45838908	45839759	1323	exon (NM_130917, exon 1 of 1)	NM_130917	fzd10	5.44649848	6.685437976	-1.238939496	0.022822
peak_40810	chr1	23481442	23481841	67418	Intergenic	NM_200771	zgc:73273	4.979875451	6.21896469	-1.239089239	0.020595
peak_41719	chr7	69433246	69433641	-49985	Intergenic	NM_001002386	kars	4.034679932	5.273975716	-1.239295785	0.023702
peak_35583	chr1	43091865	43092619	430006	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	5.503485619	6.742801435	-1.239315816	0.007811
peak_39739	chr15	21512	22047	7759	Intergenic	NM_205704	bace1	5.401343166	6.640671288	-1.239328122	0.017235
peak_37710	chr16	1385135	1385951	144475	Intergenic	NM_178222	sim1a	5.89724935	7.13658107	-1.23933172	0.012066
peak_33784	chr3	38921799	38922366	-11302	Intergenic	NM_001045132	si:dkey-106c17.2	5.651997829	6.891428867	-1.239431038	0.005245
peak_36229	chr5	13645260	13645954	-72195	intron (NM_001144041, intron 5 of 19)	NM_001111087	zgc:171242	4.847604011	6.087090789	-1.239486778	0.008969
peak_32829	chr14	53062058	53062813	-53540	Intergenic	NM_199952	ube2d2l	6.154296895	7.393929976	-1.239633081	0.004199
peak_37795	chr13	40184015	40184454	-132927	Intergenic	NM_001202417	marveld1	4.613817609	5.853470469	-1.23965286	0.012275
peak_36801	chr5	57607863	57608329	-69932	Intergenic	NM_131207	lhx1b	5.806832569	7.046503634	-1.239671064	0.010113
peak_37289	chr20	17804053	17805407	18709	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	6.360642472	7.600444185	-1.239801712	0.011202
peak_40594	chr25	11229236	11230082	51431	Intergenic	NM_001089325	anpepb	5.656363648	6.896279601	-1.239915954	0.01992
peak_42786	chr24	13705364	13705791	-123685	Intergenic	NM_131193	eya1	4.510311118	5.750252796	-1.239941677	0.02764
peak_33518	chr10	40184039	40184529	68343	intron (NM_001030224, intron 3 of 32)	NM_001030224	dscama	5.666813271	6.9067759	-1.239962629	0.004942
peak_33839	chr1	50255337	50255841	-66045	Intergenic	NM_131426	lef1	5.166303529	6.406282588	-1.239979059	0.005306
peak_42757	chr8	22800024	22800388	-84594	Intergenic	NM_194404	dffb	4.190056257	5.43008423	-1.240027973	0.027497
peak_38827	chr11	45193464	45194311	64774	intron (NM_001015069_1, intron 3 of 3)	NM_001077318	clcn4	6.04439246	7.284549673	-1.240157213	0.014824
peak_37935	chr11	27785770	27786508	-150970	Intergenic	NM_001045307	acad9	6.245721053	7.485912336	-1.240191283	0.012585
peak_41866	chr24	23857876	23858297	421246	Intergenic	NM_001075111	hnf4g	3.958780025	5.199168996	-1.240388972	0.024183
peak_40973	chr10	1158013	1158546	32624	intron (NM_001114924_1, intron 3 of 4)	NM_001114924_1	bmpr1bb	4.096540606	5.336968733	-1.240428126	0.021197
peak_40885	chr25	22981540	22981897	-16275	Intergenic	NM_001007368	nr2e3	4.760873571	6.00131186	-1.240438289	0.020858
peak_35251	chr2	40949903	40950437	5422	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	5.114458812	6.354941421	-1.240482609	0.007269
peak_30140	chr23	2915173	2915688	-10135	Intergenic	NM_001089467	zgc:158828	6.925813319	8.166303985	-1.240490666	0.002108
peak_42361	chr19	19287986	19288289	36275	Intergenic	NM_131536	hoxa1a	3.953113131	5.1936468	-1.240533669	0.025881
peak_29086	chr1	54578858	54583123	762	exon (NM_130954, exon 3 of 12)	NM_130954	dla	10.77248067	12.01314054	-1.24065987	0.001552
peak_37202	chr17	3281676	3282024	143565	intron (NM_001126427, intron 14 of 16)	NM_001126427	LOC569320	4.521841655	5.762518562	-1.240676907	0.011009
peak_33896	chr21	19326544	19327112	102062	Intergenic	NM_001006022	zgc:103482	5.515579352	6.756283254	-1.240703901	0.005399
peak_40506	chr16	42554641	42554969	-29168	Intergenic	NM_001076716	rbms3	4.576416744	5.817153754	-1.240737011	0.019626
peak_34680	chr17	33227128	33227513	-136788	Intergenic	NM_001012313	snx9a	5.157090365	6.397848123	-1.240757758	0.006416
peak_36035	chr2	57404724	57405505	-22567	Intergenic	NM_001030070	gpx4b	5.57367646	6.814478949	-1.240802489	0.008579
peak_43706	chr20	51075869	51076142	-108199	Intergenic	NM_001172400	gphnb	4.122091483	5.363129775	-1.241038292	0.031765
peak_43230	chr20	49674589	49675402	-252448	Intergenic	NM_001014329	naa20	5.814688996	7.055994966	-1.241305971	0.029668
peak_43697	chr12	48685898	48686211	74347	Intergenic	NM_001017704	grem2	4.649397536	5.890830025	-1.241432489	0.031704
peak_39832	chr7	26928252	26929010	-45251	Intergenic	NM_001037684	mtm1	4.728799148	5.970349051	-1.241549904	0.017509
peak_32044	chr15	47334796	47336350	28578	Intergenic	NM_001076636_1	zgc:153039	6.987895764	8.229470102	-1.241574338	0.00347
peak_30853	chr2	33713943	33715293	-3479	Intergenic	NM_130988	ptch2	7.993092854	9.234941093	-1.241848239	0.002529
peak_37230	chr7	22852459	22853040	-103235	Intergenic	NM_001077144	tmem88b	5.687513047	6.929390064	-1.241877017	0.011071
peak_30128	chr7	31419012	31419710	72	promoter-TSS (NM_001082866)	NM_001082866	tspan3b	7.245116111	8.487247904	-1.242131793	0.002099
peak_35210	chr8	36797169	36797681	509237	Intergenic	NM_001007206	si:busm1-194e12	4.721317424	5.963631898	-1.242314474	0.007199
peak_42340	chr13	7269483	7269853	269860	Intergenic	NM_001281798	ninl	3.948848306	5.191289307	-1.242441002	0.025775
peak_42392	chr6	52546641	52547435	-28839	Intergenic	NM_001076755	uqcc1	4.268781826	5.51123959	-1.242457765	0.026005

peak_35395	chr9	56885287	56885774	-29878	Intergenic	NM_001040636	fancb	5.217566349	6.460125022	-1.242558673	0.007488
peak_30287	chr24	7510388	7511417	-75585	Intergenic	NM_001089556	actr3b	7.266322803	8.508931946	-1.242609143	0.002184
peak_31423	chr11	40277981	40278817	-157	promoter-TSS (NM_001017736)	NM_001017736	cldn19	6.651573277	7.894257591	-1.242684314	0.002928
peak_32436	chr11	4806668	4807551	17567	Intergenic	NM_001077310		6.288339697	7.531074761	-1.242735064	0.003824
peak_37764	chr23	36212285	36212665	-17173	Intergenic	NM_131531	hoxc1a	5.007557848	6.250294054	-1.242736206	0.012196
peak_43194	chr15	29572451	29572837	33034	intron (NM_001113485, intron 2 of 11)	NM_001113485	nlk2	4.899482471	6.142263943	-1.242781472	0.029491
peak_29687	chr1	16599822	16600832	-34512	Intergenic	NM_001013269	tlr3	7.265020251	8.507810871	-1.242790621	0.001856
peak_32530	chr22	19260687	19261244	-76110	Intergenic	NM_001040095	fgf22	5.724647426	6.967566423	-1.242918998	0.003923
peak_36738	chr14	1822171	1822561	-35144	Intergenic	NM_001024200_1	pcdh2g28	4.25841321	5.50135097	-1.24293776	0.009977
peak_35239	chr17	34915072	34915548	-57759	Intergenic	NM_201291	id2a	4.997917271	6.240896666	-1.242979394	0.007246
peak_37785	chr1	12455340	12455876	-299736	Intergenic	NM_001115058	pcdh18a	5.306557719	6.549733618	-1.243175899	0.012248
peak_41182	chr10	33980095	33980581	-134930	Intergenic	NM_001045333	kctd7	6.039033168	7.282311587	-1.24327842	0.021943
peak_27832	chr12	28414386	28416163	7483	intron (NM_131709, intron 1 of 7)	NM_131709	zeb1b	8.732127026	9.975440135	-1.24331311	0.001042
peak_35811	chr23	41378831	41379393	-209702	Intergenic	NM_001139458	si:dkey-194e6.1	7.522186549	8.765515402	-1.243328853	0.008223
peak_30229	chr20	8183134	8185129	412918	Intergenic	NM_001040685	dab1a	8.294807316	9.538142193	-1.243334877	0.002158
peak_32805	chr23	39544960	39545888	52970	intron (NM_001003837, intron 1 of 11)	NM_001003837	src	6.656594306	7.899939322	-1.243345017	0.004178
peak_37411	chr23	536504	538586	24613	Intergenic	NM_001159933	samhd1	6.061649929	7.305004603	-1.243354674	0.011467
peak_34509	chr7	70034513	70035175	-143503	Intergenic	NM_205546	hnf4b	5.388803822	6.632277404	-1.243473582	0.006203
peak_36227	chr19	33321154	33321623	-34368	Intergenic	NM_001044918	znf704	6.029304008	7.272958719	-1.243654711	0.008968
peak_38368	chr15	40481930	40482683	140706	Intergenic	NM_001002430	pxylp1	5.81119202	7.055089268	-1.243897247	0.013717
peak_40292	chr7	22326507	22327070	-114831	Intergenic	NM_001017564	zgc:113025	5.953822712	7.197741369	-1.243918657	0.018922
peak_35865	chr16	22036764	22037197	-58968	Intergenic	NM_200816	hdac9b	4.823690559	6.067893431	-1.244202872	0.008316
peak_36883	chr15	6756568	6758141	-3535	Intergenic	NM_131778	meis3	7.406306948	8.650595273	-1.244288325	0.010316
peak_32188	chr18	25664460	25664873	-25708	Intergenic	NM_001128352	sema4ba	5.396653674	6.641096439	-1.244442764	0.003584
peak_33025	chr13	31387206	31387926	785	exon (NM_001110389, exon 4 of 11)	NM_001110389	mapk8a	5.974969828	7.219428985	-1.244459157	0.004424
peak_39303	chr17	24036067	24036795	-110494	Intergenic	NM_131250	otx1b	5.126503879	6.370987926	-1.244484048	0.016078
peak_39535	chr15	23057975	23058406	-4938	Intergenic	NM_001077731	zgc:154093	4.744515468	5.989022998	-1.24450753	0.016715
peak_34748	chr1	25819768	25820902	-71753	Intergenic	NM_201116	sh3gl2	5.624578824	6.869100954	-1.244522129	0.006479
peak_32570	chr14	21466710	21467171	309089	Intergenic	NM_152963	fmr1	6.74327272	7.987808927	-1.244536207	0.003952
peak_42135	chr5	45337165	45337597	-35869	Intergenic	NM_001126415	si:dkey-40c11.1	4.721317424	5.965911034	-1.24459361	0.025124
peak_41613	chr21	43189763	43190194	-20456	Intergenic	NM_131826	spry4	5.200856343	6.445940706	-1.245084363	0.023353
peak_40708	chr25	12048288	12048699	490355	Intergenic	NM_001256664	ntrk3a	4.026608515	5.27174841	-1.245139895	0.020257
peak_32197	chr17	1696786	1697416	-190206	Intergenic	NM_001002412_1	zfyve19	5.341201883	6.586390357	-1.245188474	0.003591
peak_35723	chr14	4057785	4058376	-63122	Intergenic	NM_001098776	lrp2bp	5.224639552	6.469832213	-1.245192661	0.008073
peak_31537	chr11	27722307	27722963	-87466	Intergenic	NM_001045307	acad9	6.525440054	7.770728725	-1.245288671	0.003028
peak_36107	chr19	22004914	22005546	114224	Intergenic	NM_001042746	tshz1	6.8477949	8.093529871	-1.245734971	0.008737
peak_32531	chr10	35397477	35397993	277571	Intergenic	NM_001114706_1	zgc:174193	5.547508126	6.793318274	-1.245810148	0.003924
peak_34053	chr13	30122607	30123464	-26661	Intergenic	NM_001017994	cuedc2	5.497171351	6.742994865	-1.245823514	0.005592
peak_35677	chr19	32180489	32180995	-30754	Intergenic	NM_001083090	si:ch211-194e15.	4.986825782	6.232688188	-1.245862407	0.007979
peak_41591	chr17	1331945	1332750	1918	intron (NM_001033741, intron 1 of 4)	NM_001033741	srp14	4.787435225	6.033321072	-1.245885847	0.023285
peak_31628	chr6	52742265	52743223	29	promoter-TSS (NM_213549)	NM_213549	matn4	6.037379929	7.283287194	-1.245907265	0.003103
peak_33716	chr11	46378140	46380296	13056	intron (NM_001110486_1, intron 5 of 5)	NM_001077304	zgc:153041	7.395494152	8.641416414	-1.245922263	0.00517
peak_39971	chr9	22701808	22702241	-54055	Intergenic	NM_001002483	sox1a	4.783449089	6.029437525	-1.245988436	0.017948
peak_39466	chr15	45620025	45620474	-164729	Intergenic	NM_001278822	igsf11	5.623687284	6.869695641	-1.246008357	0.016482
peak_31549	chr3	6558019	6559073	5448	intron (NM_001089460, intron 1 of 20)	NM_001089460	pkn1b	7.891498613	9.137532213	-1.2460336	0.003039
peak_32697	chr11	38902713	38903270	16640	Intergenic	NM_201004	snrpe	6.381159425	7.627203666	-1.246044241	0.004084
peak_35596	chr4	4722414	4723318	45585	Intergenic	NM_001089551	slc13a4	6.510041771	7.756166082	-1.246124311	0.007838
peak_38334	chr21	6866142	6866621	158177	Intergenic	NM_001003486	olfm1b	5.249193638	6.495500853	-1.246307215	0.0136
peak_39802	chr20	3229392	3229783	37129	Intergenic	NM_001111223	spint1b	4.498630944	5.745129429	-1.246498485	0.017402
peak_42298	chr12	42054931	42055397	-1074579	Intergenic	NM_212880	zgc:76887	4.875628053	6.122210366	-1.246582313	0.025637
peak_36385	chr24	43345053	43345524	74681	intron (NM_001018133, intron 2 of 9)	NM_001018133	ptprma	5.137200293	6.38402988	-1.246829587	0.009298
peak_35172	chr5	43857302	43858378	-19766	Intergenic	NM_001128747	eral1	6.362529673	7.609398747	-1.246869074	0.007149
peak_40419	chr14	45530778	45531196	-165151	Intergenic	NM_182885	pcdh10b	4.498630944	5.745580975	-1.24695003	0.019309
peak_31041	chr14	37265976	37267092	144909	Intergenic	NM_205642	zgc:77938	8.305642532	9.552700838	-1.247058306	0.002648
peak_43752	chr5	10639870	10640324	92282	Intergenic	NM_001080038_1	zgc:158343	3.644959288	4.892025984	-1.247066696	0.031993
peak_41651	chr8	29940970	29941503	192505	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	5.213982144	6.461082708	-1.247100565	0.023454
peak_30676	chr7	53910517	53911215	91038	Intergenic	NM_001144979	gnrhr2	6.849893014	8.097054082	-1.247161068	0.002412
peak_38194	chr15	37662347	37662663	157587	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	4.139660669	5.386834147	-1.247173477	0.013266
peak_36702	chr4	29634776	29635369	2745	intron (NM_131734, intron 2 of 6)	NM_131734	gstp1	5.824466719	7.071720435	-1.247253715	0.009914
peak_42802	chr16	38984367	38984580	-220252	Intergenic	NM_001200061	LOC100005807	3.589313976	4.836590193	-1.247276217	0.027691
peak_40875	chr2	59485394	59492637	6425	intron (NM_001017797, intron 6 of 6)	NM_001017797	cirbpa	9.085865714	10.3331662	-1.247300482	0.020806
peak_34605	chr18	8358348	8359116	-7731	Intergenic	NM_001201568	si:dkey-5i3.5	6.039721229	7.287115326	-1.247394097	0.006326
peak_35740	chr10	40852788	40853889	-168085	Intergenic	NM_001037674	smtlb	5.895012766	7.142445105	-1.247432339	0.00811
peak_39826	chr24	43703283	43703517	-4098	Intergenic	NM_001003987	epb41l3a	3.996540512	5.244064384	-1.247523872	0.017496
peak_31941	chr24	40244798	40245273	55868	intron (NM_001037415, intron 6 of 7)	NM_001037415	ntn2	5.408637962	6.656204023	-1.247566061	0.003377
peak_31613	chr14	39304329	39305026	-739709	Intergenic	NM_001099453	rnasel3	5.904629727	7.152236234	-1.247606506	0.003092
peak_30978	chr3	6465001	6465618	-62098	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	6.947748956	8.195521147	-1.247772191	0.002604
peak_33528	chr12	44842531	44843153	-66154	Intergenic	NM_001110011_1	dock1	5.593873361	6.841756059	-1.247882698	0.004947
peak_36555	chr1	35959972	35960574	57429	Intergenic	NM_001002077	lsm6	5.009606799	6.257513234	-1.247906435	0.009664
peak_29943	chr7	1682351	1683276	-21754	intron (NM_200561_1, intron 2 of 5)	NM_001128286_1	zgc:175137	6.184608109	7.432606565	-1.247998456	0.001991
peak_43416	chr9	55270823	55271050	-40368	Intergenic	NM_131555	dct	3.972850631	5.220893869	-1.248043238	0.030491
peak_34181	chr18	19370582	19371193	-58045	Intergenic	NM_001045051	LOC564395	6.569488729	7.817606591	-1.248117862	0.005738
peak_35446	chr11	46285509	46286225	-5073	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	6.513683722	7.761819856	-1.248136135	0.007565
peak_40618	chr7	7440747	7441146	-16985	Intergenic	NM_213311	pnp5a	4.300433863	5.548571942	-1.248138079	0.019982
peak_35309	chr17	624433	624924	-66741	Intergenic	NM_001017876_2	fsip1	5.446023636	6.694557449	-1.248533812	0.00734
peak_33289	chr3	19954812	19955257	-2120	TTS (NM_198338)	NM_001005395	ubtf	4.867366357	6.115905878	-1.248539521	0.004684
peak_39708	chr16	52908377	52909406	141740	Intergenic	NM_001201489	efhb	5.214574373	6.463246301	-1.248671928	0.017156
peak_40035	chr20	26142034	26142311	-46545	Intergenic	NM_001082917	myct1	4.153388562	5.402101088	-1.248712527	0.018114
peak_30283	chr24	31332437	31333839	11512	intron (NM_001006092, intron 3 of 3)	NM_001006092	alg14	8.629867506	9.878580555	-1.248713049	0.002182
peak_29922	chr5	38980302	38981622	37109	intron (NM_001244754, intron 2 of 8)	NM_001099229	klhl13	7.623785751	8.872502793	-1.248717042	0.00198
peak_33215	chr23	28537162	28538242	-28277	Intergenic	NM_145195	birc5b	6.935027175	8.183796854	-1.248769679	0.004614
peak_39798	chr6	19250465	19250831	38696	intron (NM_001017556, intron 3 of 8)	NM_001017556	rhbdl3	4.651097553	5.899872504	-1.248774951	0.017389
peak_38844	chr20	35586249	35587114	78003	Intergenic	NM_001128727	mep1a.2	4.887604564	6.136580354	-1.24897579	0.01486
peak_28537	chr10	32481572	32482793	-28986	Intergenic	NM_131482	robo3	7.212953803	8.462046575	-1.249092772	0.001304
peak_31193	chr8	24354970	24355519	-19705	Intergenic	NM_001014824	sema3gb	6.317917535	7.567070872	-1.249153337	0.002753
peak_38646	chr2	2365576	2366009	18816	Intergenic	NM_001291325	ss18	4.478003463	5.727213297	-1.249209834	0.014319
peak_43910	chr1	1396052	1396437	-50336	Intergenic	NM_131689	atp1a1a.4	4.808817851	6.058116939	-1.249299087	0.032591
peak_38833	chr8	34534132	34534561	-117340	Intergenic	NM_001136477	mvb12bb	4.18281102	5.432124431	-1.249313411	0.014831
peak_42164	chr3	9631576	9631944	-183022	Intergenic	NM_001113625_1	trap1	4.149677235	5.399029353	-1.249352118	0.025201
peak_29139	chr8	9663250	9664056	145395	Intergenic	NM_200092	bcap31	7.724543479	8.974053434	-1.249509954	0.00158
peak_40221	chr20	4523789	4524411	255753	Intergenic	NM_205758	papola	5.176709942	6.426240041	-1.249530099	0.018668
peak_34753	chr13	47832779	47833329	29289	intron (NM_001135791, intron 3 of 3)	NM_001135791	bcl2l11	5.596602092	6.846290917	-1.249688824	0.006492
peak_35408	chr9	48243055	48243827	-352328	Intergenic	NM_001126463	igfbp5a	6.130902821	7.380605312	-1.249702491	0.007513
peak_33311	chr12	31710839	31711364	25685	intron (NM_001014363, intron 3 of 10)	NM_001014363	ablim1b	4.868119378	6.117926183	-1.249806805	0.004711
peak_36075	chr14	34432759	34433862	23203	Intergenic	NM_001013533	lamp2	6.738145128	7.987968753	-1.249823626	0.008672
peak_38496	chr4	12028515	12028768	-2540	Intergenic	NM_001128792	vhll	4.157090365	5.407263991	-1.250173626	0.01398
peak_36562	chr24	4654197	4654894	-126587	Intergenic	NM_130918	fzd8a	5.487374214	6.737555985	-1.250181771	0.009674
peak_35480	chr9	47784901	47785311	-9176	Intergenic	NM_001126464	igfbp2b	5.140320568	6.390525594	-1.250205026	0.00762
peak_43564	chr16	35133588	35133991	82731	Intergenic	NM_001114427	zgc:172323	4.046703014	5.296954026	-1.250251012	0.031068
peak_35630	chr23	24354567	24355114	-4072	Intergenic	NR_030112		4.421549829	5.67188289	-1.250333061	0.007896
peak_38454	chr9	44221498	44221967	64368	Intergenic	NM_182881	sestd1	4.986866231	6.23721558	-1.25034935	0.013889
peak_38458	chr14	20117735	20118431	-37330	Intergenic	NM_001037372	ptcd3	5.294251216	6.544603976	-1.25035276	0.013902
peak_33355	chr2	46997214	46997814	525109	Intergenic	NM_001145932	acsl3b	5.43995877	6.690421515	-1.250462745	0.004771
peak_37383	chr15	38092044	38092645	121309	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	5.498630944	6.749128713	-1.250497768	0.011404
peak_30201	chr2	31027034	31027775	3135	intron (NM_001013270, intron 1 of 11)	NM_001013270	yes1	7.087335687	8.337875529	-1.250539842	0.002145

peak_28635	chr4	21072042	21072744	71168	intron (NM_001045111, intron 1 of 28)	NM_001045111	ppfia2	7.792705732	9.043478154	-1.250772422	0.001344
peak_41625	chr8	42211330	42211711	20352	intron (NM_213167, intron 4 of 4)	NM_213167_1	kdm2ba	4.482985287	5.73408961	-1.251104323	0.023378
peak_31043	chr1	12154775	12156131	419	5' UTR (NM_001115058, exon 1 of 4)	NM_001115058	pcdh18a	7.593418071	8.844576329	-1.251158258	0.002648
peak_34598	chr16	57484693	57485272	-42250	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	4.903895528	6.155199092	-1.251303564	0.006317
peak_39596	chr13	20620789	20621269	-3524	intron (NM_131730, intron 3 of 6)	NM_131730_1	gfra1a	4.747792413	5.999142697	-1.251350284	0.016866
peak_29373	chr16	12678415	12678951	133768	Intergenic	NM_131602	dedd1	6.732537571	7.983891668	-1.251354097	0.001694
peak_41600	chr21	3118624	3118940	81159	Intergenic	NM_213302	hnrnpabb	3.820536344	5.071891521	-1.251355177	0.023313
peak_40920	chr4	6248760	6249246	-9730	Intergenic	NM_001166228	dock4b	4.219927938	5.471391591	-1.251463652	0.021024
peak_37741	chr16	55053475	55054074	-19701	Intergenic	NM_001082926	si:ch211-107n13.	4.53618171	5.787692695	-1.251510985	0.012135
peak_28515	chr10	10860459	10861128	-30961	Intergenic	NM_181495	nrarpa	7.620319535	8.872062052	-1.251742517	0.001297
peak_43459	chr23	44306532	44306971	-1681	intron (NM_214728, intron 5 of 19)	NM_001114743_1	tec	3.637911999	4.890137146	-1.252225147	0.03064
peak_41529	chr14	22606697	22607195	12326	intron (NM_001030227, intron 6 of 7)	NM_001030227	reep2	4.858299309	6.11094088	-1.252641571	0.023023
peak_32540	chr5	17904777	17905423	15400	Intergenic	NM_001004541	zgc:92445	5.613817609	6.86660581	-1.252788201	0.003928
peak_31686	chr21	11737409	11738260	126500	Intergenic	NM_001080655	pnpla7a	7.95158857	9.204394966	-1.252806396	0.003158
peak_37142	chr4	5248591	5249085	-2887	Intergenic	NM_001044868	si:dkey-14d8.2	4.702814493	5.955624761	-1.252810268	0.010859
peak_42906	chr11	32717453	32717843	130445	intron (NM_001003624, intron 4 of 5)	NM_001003624	diaph3	4.5783123	5.831276448	-1.252964149	0.028167
peak_39245	chr6	25393690	25394136	293673	Intergenic	NM_212689	lmo4b	4.665081128	5.918066234	-1.252985106	0.015946
peak_38308	chr7	69168444	69169830	-18720	Intergenic	NM_001007441	znf143a	5.238716735	6.491742583	-1.253025847	0.013537
peak_41405	chr20	35102643	35102951	-1812	Intergenic	NM_130960	lft1	3.970047467	5.223138896	-1.253091429	0.022631
peak_34795	chr7	40109481	40109932	1543	intron (NM_001017652, intron 2 of 7)	NM_001017652	syt13	5.069219889	6.322314041	-1.253094152	0.006549
peak_41627	chr3	48861866	48862292	351365	Intergenic	NM_001079978	zgc:158309	5.132157201	6.385484007	-1.253326806	0.023382
peak_37987	chr5	3396355	3396891	-121839	Intergenic	NM_213022	ywhag1	5.863595343	7.116946686	-1.253351343	0.012722
peak_35720	chr5	74500366	74500686	334292	Intergenic	NM_001003993	ak1	4.47306213	5.726452286	-1.253390156	0.008066
peak_28538	chr21	7468262	7469075	-16259	Intergenic	NM_201054	tbca	8.017953176	9.271367908	-1.253414732	0.001305
peak_40891	chr9	53376349	53376935	-462991	Intergenic	NM_001076600	tank	4.310441227	5.563951709	-1.253510482	0.020897
peak_36132	chr16	14219718	14221341	42513	Intergenic	NM_001282092	cox6b2	7.375196934	8.628796826	-1.253599892	0.008794
peak_38699	chr8	27360411	27360744	-14379	Intergenic	NM_001122712	sema3bl	4.134662696	5.388354543	-1.253691847	0.014441
peak_35854	chr15	19448962	19449498	-19286	intron (NM_200665, intron 8 of 10)	NM_130944	dlc	5.437394599	6.691088434	-1.253693834	0.008302
peak_39374	chr7	34853030	34853471	61526	Intergenic	NM_001003573	paqr5b	5.834924658	7.088170594	-1.253854064	0.016268
peak_37869	chr19	49166806	49167242	15447	intron (NM_173223, intron 1 of 4)	NM_173223	sdc2	4.690897074	5.944857749	-1.253960675	0.012448
peak_41836	chr5	51218677	51219117	-308676	Intergenic	NM_131180	nr2f1a	3.764922485	5.018972248	-1.254049763	0.024074
peak_40083	chr8	13659109	13659441	35212	intron (NM_001024386, intron 33 of 40)	NM_001130790	zgc:194990	3.814298329	5.06834845	-1.254050122	0.018273
peak_34381	chr12	8921958	8922353	-67573	Intergenic	NM_001039062	med24	5.720066689	6.97419332	-1.254126631	0.00602
peak_39097	chr6	59078690	59079031	-15371	Intergenic	NM_001123374	shmt2	4.30822336	5.562410082	-1.254186723	0.015517
peak_36265	chr12	45725152	45725471	-151990	Intergenic	NM_001202472	LOC100006246	4.219927938	5.474221465	-1.254293527	0.009051
peak_36518	chr25	26210949	26211382	31626	Intergenic	NM_001037567	zgc:123278	4.585656064	5.840053234	-1.254397169	0.009591
peak_43584	chr6	55164497	55164782	-91864	Intergenic	NM_001020528	zgc:109913	4.100390989	5.354822794	-1.254431805	0.031135
peak_28847	chr2	21779225	21781674	977	intron (NM_001256694, intron 1 of 9)	NM_001256694	tox	8.905870515	10.16034793	-1.254477414	0.001442
peak_36803	chr15	13687651	13688270	42393	intron (NM_001012375, intron 1 of 8)	NM_001012375	numbl	5.385621201	6.640127815	-1.254506613	0.010116
peak_30845	chr15	32220979	32221444	80777	Intergenic	NM_199743	zgc:73340	6.424127355	7.67869588	-1.254568525	0.002524
peak_36305	chr19	49270508	49271355	31557	intron (NM_001040330, intron 2 of 8)	NM_001040330	ext1c	4.85521994	6.109837816	-1.254617876	0.009131
peak_27737	chr23	13866586	13868660	84771	Intergenic	NM_213334	naa10	9.056580215	10.31124422	-1.254664009	0.001006
peak_41408	chr5	47434855	47435371	52843	intron (NM_001034984, intron 3 of 25)	NM_001034984	slc4a4a	5.018491687	6.273554225	-1.255062538	0.022645
peak_31440	chr22	11286279	11287046	32359	exon (NM_205626, exon 8 of 13)	NM_205626	bcor	6.381144037	7.636216735	-1.255072698	0.002941
peak_42818	chr25	31206731	31207136	-16444	intron (NM_200881, intron 3 of 10)	NM_001003511	alkbh3	4.991671167	6.246832823	-1.255161657	0.027768
peak_38148	chr6	45579666	45579970	149363	intron (NM_001080051, intron 5 of 22)	NM_001080051	cntn4	3.989636937	5.24481101	-1.255174073	0.013128
peak_40670	chr20	2272217	2272520	13001	Intergenic	NM_001044800	tmem200a	4.163239007	5.418444122	-1.255205115	0.020165
peak_40912	chr12	30271537	30271831	-25666	Intergenic	NM_001170599	tbx21	4.171803318	5.427345324	-1.255542006	0.020972
peak_31811	chr6	57971333	57972213	83501	intron (NM_212908, intron 1 of 6)	NM_212908	tox2	7.17655797	8.432150144	-1.255592174	0.003275
peak_29207	chr18	30298453	30299112	-87236	Intergenic	NM_001080807	gse1	7.59274151	8.848395601	-1.255654091	0.00161
peak_35782	chr11	22653592	22653995	-90160	Intergenic	NM_001199491	foxp4	4.770571942	6.02623809	-1.255666147	0.008175
peak_37158	chr3	49916112	49916437	-87116	Intergenic	NM_001076646	hs3st3b1a	4.071837003	5.327596256	-1.255759252	0.010923
peak_41430	chr9	38154257	38154646	-39694	Intergenic	NM_130967	gli2a	4.886118348	6.141928491	-1.255810143	0.022708
peak_38325	chr21	36936947	36937398	-1419	intron (NM_001007405_1, intron 7 of 11)	NM_001039108	ripply1	5.844524025	7.100421281	-1.255897255	0.013583
peak_33051	chr1	1865925	1866567	7919	intron (NM_001099998, intron 1 of 7)	NM_001161671	mbnl2	6.380352505	7.636493519	-1.256141013	0.004452
peak_41649	chr10	18039346	18039901	72841	Intergenic	NM_001002632	prkab1a	5.297049966	6.553198571	-1.256148605	0.023449
peak_29299	chr5	25996006	25998571	5331	Intergenic	NM_131822	znf703	9.042230421	10.29849107	-1.25626065	0.001664
peak_32599	chr7	595779	596282	-79370	intron (NM_001079984, intron 5 of 8)	NM_001079984_1	nrxn2b	4.886861648	6.14316147	-1.256299822	0.003977
peak_39288	chr7	73216940	73217350	327070	Intergenic	NM_001020693_1	gba3	5.234634996	6.49111198	-1.256476984	0.016038
peak_42994	chr8	10955730	10956083	-41246	Intergenic	NM_001077391	zgc:153997	4.920730635	6.177215006	-1.256484371	0.028628
peak_39470	chr13	43905703	43906162	-4233	Intergenic	NM_213128	eif3s6ip	4.977783805	6.234298988	-1.256515183	0.016494
peak_36689	chr17	1927097	1927416	-170794	Intergenic	NM_001163923	ccbe1	4.712909731	5.969462253	-1.256552522	0.00989
peak_31450	chr12	12220322	12220772	33726	intron (NM_131406, intron 1 of 7)	NM_131406	raraa	5.947403106	7.204047193	-1.256644087	0.002951
peak_36806	chr14	1743908	1744302	43117	Intergenic	NM_001024185	pcdh2g13	4.818200248	6.074850626	-1.256650378	0.010124
peak_40531	chr13	35163090	35163377	-83777	Intergenic	NM_001003562	sptlc3	4.735417151	5.992202207	-1.256785056	0.019714
peak_36595	chr17	23369304	23369617	-9564	Intergenic	NM_200553	zgc:65997	4.586571412	5.843505123	-1.256933711	0.009729
peak_39249	chr16	46054658	46055129	21526	Intergenic	NM_131773	cldn12	4.525664779	5.782680893	-1.257016114	0.015962
peak_32427	chr4	23940714	23941088	210742	Intergenic	NM_131211	gata3	5.40501031	6.6620314	-1.25702109	0.003815
peak_36571	chr10	23620190	23620565	-261313	intron (NM_200664, intron 3 of 10)	NM_001020582	nle1	4.030649868	5.287775673	-1.257125805	0.009683
peak_32562	chr23	40725570	40726113	40831	Intergenic	NM_199972	elovl4b	6.199378611	7.456511577	-1.257132966	0.003947
peak_37419	chr6	53982211	53982654	28098	Intergenic	NM_001039997	zgc:136804	4.613817609	5.870970442	-1.257152833	0.011483
peak_37323	chr16	27556081	27556408	-10	promoter-TSS (NM_001079990)	NM_001079990	dync1i1	4.676353226	5.933537606	-1.25718438	0.011268
peak_35165	chr7	11496523	11497086	-16338	intron (NM_131674, intron 4 of 19)	NM_199601_1	fah	4.764113611	6.021361615	-1.257248004	0.00714
peak_32384	chr18	968557	968985	59986	intron (NM_205705, intron 6 of 8)	NM_205705	nptnb	5.265322777	6.522596573	-1.257273796	0.003768
peak_43512	chr8	17042454	17042753	-58750	Intergenic	NM_001128408	rnf11b	4.260708926	5.517990583	-1.257281657	0.03082
peak_38306	chr1	19968242	19968907	101454	Intergenic	NM_001102391	npy1r	5.884980976	7.142289389	-1.257308412	0.013531
peak_32103	chr7	51172234	51173643	181	exon (NM_131231, exon 1 of 2)	NM_131231	ascl1b	7.494735408	8.752076835	-1.257341427	0.003507
peak_37493	chr2	35534467	35535191	-40246	Intergenic	NM_001201444	dhx9	5.137824888	6.395343103	-1.257518214	0.011652
peak_39456	chr20	55770268	55797524	-2359	Intergenic	NM_001098396	zgc:158463	11.27225348	12.52989562	-1.257642137	0.016452
peak_41738	chr2	3315780	3316188	24616	intron (NM_001118899, intron 2 of 3)	NM_001118899	tmtopsa	4.590227006	5.84788295	-1.257655943	0.023769
peak_42529	chr19	46485343	46485839	-381140	Intergenic	NM_001083814	ptpro	4.318177022	5.575855892	-1.25767887	0.02657
peak_36605	chr11	26741719	26742171	21322	intron (NM_130938, intron 1 of 7)	NM_130938	skib	5.007557848	6.265243985	-1.257686137	0.009746
peak_33998	chr12	24029239	24029900	6267	Intergenic	NM_001202427	cdca9	6.213110633	7.47089528	-1.257784647	0.005519
peak_40258	chr21	22262537	22262967	-101208	Intergenic	NM_200141	zw10	3.930136166	5.188020309	-1.257884144	0.018793
peak_34562	chr23	1045549	1045889	20642	Intergenic	NM_001030233	zgc:113423	4.493759878	5.75175969	-1.257999812	0.006276
peak_37827	chr10	23343378	23343818	15466	intron (NM_001020582, intron 1 of 11)	NM_001020582	nle1	3.803316476	5.061343905	-1.258027429	0.012344
peak_28906	chr19	46866217	46867435	95	promoter-TSS (NM_001083814)	NM_001083814	ptpro	8.796131117	10.0542403	-1.258109185	0.001472
peak_27943	chr5	54806503	54808033	9527	intron (NM_213514, intron 1 of 11)	NM_213514	serinc5	8.280067578	9.538210989	-1.258143411	0.001085
peak_37836	chr20	45199208	45199626	495593	Intergenic	NM_001013534	zgc:103511	4.555009968	5.813400203	-1.258390235	0.012375
peak_38645	chr12	26097536	26097787	-147645	intron (NM_001080021, intron 17 of 21)	NM_001001812	fshr	3.843780917	5.102189072	-1.258408156	0.014318
peak_33106	chr7	12982447	12983460	-98360	Intergenic	NM_001080993	mex3b	6.883897009	8.14243087	-1.25853386	0.004515
peak_37967	chr11	20234487	20235287	-39370	Intergenic	NM_212668	namptb	6.386147014	7.644830456	-1.258683442	0.012682
peak_43511	chr10	22878835	22879226	-68450	Intergenic	NM_001030178	kdm6bb	4.319278758	5.578147545	-1.258868787	0.030819
peak_38285	chr11	18791747	18792052	-97499	Intergenic	NM_200467	tmem110	4.436916749	5.695931537	-1.259014787	0.01348
peak_33812	chr18	855925	856955	-79678	Intergenic	NM_214735	dhdhl	6.599352128	7.858504495	-1.259152367	0.00527
peak_36502	chr22	5051902	5052282	-24229	Intergenic	NM_001118891	s1pr4	4.371320339	5.630501327	-1.259180988	0.00955
peak_40787	chr5	11429071	11429557	-282905	Intergenic	NM_001128575	LOC100150220	5.067253933	6.326493498	-1.259239565	0.020541
peak_41479	chr17	50673465	50673897	68903	Intergenic	NM_001113540	vps39	5.064628484	6.324074482	-1.259445998	0.022846
peak_32611	chr22	38747044	38747656	355705	Intergenic	NM_001113587	hykk.2	6.117311941	7.376774118	-1.259462177	0.003987
peak_37167	chr12	34196346	34196788	-87617	Intergenic	NM_001256805	LOC557756	4.44299439	5.702532328	-1.259537938	0.010945
peak_43765	chr19	40927217	40927654	-58952	Intergenic	NM_213278	sfpq	4.209270209	5.46887145	-1.259601242	0.032052
peak_32077	chr16	764923	765750	-55305	Intergenic	NM_207184	irx1a	5.637470398	6.897090043	-1.259619645	0.003491
peak_39769	chr22	20975797	20976251	39559	Intergenic	NM_001100070	org	4.684926177	5.944628393	-1.259702217	0.017304
peak_32736	chr18	1034324	1035449	-6129	Intergenic	NM_205705	nptnb	6.47778558	7.73757785	-1.259792269	0.004124
peak_35066	chr6	6490397	6491353	83047	Intergenic	NM_001100951	bcl11ab	6.648908313	7.908960848	-1.260052535	0.006972

peak_28282	chr23	23164878	23167385	215444	Intergenic	NM_212722	eno1a	7.919358398	9.179460806	-1.260102409	0.001203
peak_35737	chr9	12719110	12720196	99	promoter-TSS (NM_207068)	NM_207068	ehhadh	6.135619379	7.395743867	-1.260124488	0.008107
peak_29472	chr23	28056880	28058093	5971	intron (NM_130990, intron 1 of 8)	NM_130990	acvr1b	7.544324678	8.804499976	-1.260175298	0.001741
peak_33846	chr16	15790025	15790785	15244	Intergenic	NM_001025471	fdps	5.740796001	7.000977522	-1.260181521	0.005315
peak_35016	chr10	12431362	12432117	-296512	Intergenic	NM_001004502	lpar1	5.900933525	7.16112381	-1.260190285	0.0069
peak_40726	chr5	6016753	6017204	253989	Intergenic	NM_205570	zgc:73226	4.56345742	5.823858051	-1.260400631	0.020319
peak_36293	chr15	10909420	10909902	375096	intron (NM_130969, intron 23 of 31)	NM_130969	odz4	5.06002242	6.320480581	-1.260458161	0.009108
peak_31673	chr9	38073744	38074222	54379	Intergenic	NM_131068	inhbb	5.430783662	6.691362534	-1.260578872	0.003146
peak_42888	chr2	21617529	21617759	26809	TTS (NM_201454)	NM_201454	rab2a	4.295898468	5.55650216	-1.260603692	0.028087
peak_43056	chr15	46180249	46180835	-7260	Intergenic	NM_130973	chd	4.954531943	6.21523762	-1.260705677	0.028852
peak_39081	chr19	21887194	21887914	-3452	Intergenic	NM_001042746	tshz1	5.24973788	6.51060096	-1.260863079	0.015467
peak_36884	chr21	22334789	22335460	-173580	Intergenic	NM_200141	zw10	5.5290295	6.789927491	-1.260897991	0.010318
peak_39320	chr7	33780606	33780964	-162088	Intergenic	NM_205624	fshb	4.285789361	5.546795821	-1.26100646	0.016113
peak_33274	chr9	22752435	22753658	-3033	Intergenic	NM_001002483	sox1a	7.155540105	8.416575767	-1.261035663	0.004669
peak_28583	chr9	24021105	24022478	-14762	Intergenic	NM_001002162	eaf2	8.60619167	9.867245855	-1.261054185	0.001324
peak_32532	chr24	35005073	35005493	13096	intron (NM_001025301, intron 1 of 9)	NM_001025301	tmeff1b	5.436379502	6.697463934	-1.261084432	0.003924
peak_33689	chr13	20029098	20030248	-101232	Intergenic	NM_001002536	fam204a	5.649809955	6.911078905	-1.26126895	0.005132
peak_28365	chr4	11900568	11901555	25444	intron (NM_212680, intron 3 of 4)	NM_212680	hmga2	7.279992721	8.541379022	-1.261386301	0.001234
peak_30794	chr8	54466293	54467193	41971	intron (NM_131296, intron 3 of 12)	NM_131296	tcf7l1b	7.092177806	8.353651636	-1.261473829	0.002483
peak_34260	chr9	8457272	8457954	7732	Intergenic	NM_001045426	zgc:153499	5.89724935	7.158793088	-1.261543739	0.005848
peak_32069	chr5	4948504	4949479	-45604	Intergenic	NM_001110024	zbtb43	5.927992161	7.189578055	-1.261585894	0.003489
peak_39165	chr23	6691802	6692749	-244	promoter-TSS (NM_001020520)	NM_001020520	mipb	6.48887231	7.750559538	-1.261687228	0.015734
peak_38993	chr3	12097806	12098314	-21063	intron (NM_001042778, intron 9 of 11)	NM_001076623	prkar1b	5.152152513	6.413984067	-1.261831554	0.015253
peak_43369	chr22	21696157	21696625	-24971	Intergenic	NM_001045077	shdb	4.80011735	6.062347188	-1.262229838	0.030292
peak_30960	chr17	5033645	5034586	-60057	intron (NM_001002625, intron 3 of 11)	NM_212858	runx2a	7.921547003	9.18381508	-1.262268077	0.002595
peak_39327	chr13	5304794	5305175	-59038	Intergenic	NM_131893	meis1	4.290291045	5.552649223	-1.262358178	0.016127
peak_43682	chr21	22935740	22936146	88694	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	4.558800733	5.821169731	-1.262368999	0.03162
peak_29813	chr2	16565003	16565848	9495	intron (NM_001080200, intron 2 of 31)	NM_001080200	zgc:158450	7.641342677	8.903787957	-1.262445279	0.001922
peak_40477	chr6	58589021	58589554	-12022	Intergenic	NM_207099	igsf8	5.234600929	6.497191988	-1.262591059	0.019514
peak_28275	chr18	30314063	30314872	-71551	Intergenic	NM_001080807	gse1	7.543499974	8.806153389	-1.262653416	0.0012
peak_34961	chr19	17788848	17789427	-58380	Intergenic	NM_131857	klf2b	5.406566135	6.669304965	-1.262738829	0.006802
peak_32337	chr13	54017391	54017947	-29306	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	5.575494928	6.838299783	-1.262804855	0.003724
peak_31448	chr25	33714750	33715389	19536	intron (NM_001123047, intron 27 of 29)	NM_130970	isl2a	6.202665937	7.465511874	-1.262845936	0.002947
peak_35559	chr24	252866	253821	-23317	intron (NM_001089337, intron 2 of 7)	NM_001020572	impa2	5.818979367	7.081880878	-1.262901511	0.007772
peak_36444	chr16	619938	620422	-50046	Intergenic	NM_201057	irx2a	4.89727087	6.160175842	-1.262904972	0.009429
peak_33264	chr5	11873582	11874119	77190	Intergenic	NM_203478_1	rtn4r	5.077095029	6.340004126	-1.262909097	0.004662
peak_34231	chr22	12072878	12073225	-9919	Intergenic	NM_001045311	mgat5	4.543742525	5.806699647	-1.262957122	0.005815
peak_36430	chr15	34791039	34791691	241739	Intergenic	NM_001080189_1	zgc:158328	5.516568263	6.779533709	-1.262965446	0.009406
peak_42929	chr19	38768844	38769181	-65679	Intergenic	NM_001044823	cx39.4	4.566244234	5.829212663	-1.262968429	0.028276
peak_32845	chr9	22314747	22315300	3759	5' UTR (NM_001128256, exon 2 of 11)	NM_001128256	lats2	6.285225662	7.548238035	-1.263012373	0.004216
peak_39560	chr9	55311184	55311588	82	promoter-TSS (NM_131555)	NM_131555	dct	4.6900456	5.953078567	-1.263032967	0.016789
peak_43454	chr13	39815892	39816325	19958	exon (NM_001111187, exon 5 of 14)	NM_001111187	zgc:172136	5.34607482	6.609216827	-1.263142007	0.030612
peak_30285	chr16	670957	672303	-101496	Intergenic	NM_201057	irx2a	7.034009036	8.297202821	-1.263193785	0.002183
peak_38965	chr7	22306515	22307063	-134830	Intergenic	NM_001017564	zgc:113025	4.137163847	5.400398729	-1.263234882	0.015173
peak_36587	chr13	45361307	45361689	-3350	Intergenic	NM_001030175	zfand3	4.567171977	5.830411905	-1.263239928	0.009713
peak_38807	chr3	2550318	2550857	-1049	Intergenic	NM_131875	sox10	5.608419895	6.871681496	-1.2632616	0.014788
peak_39491	chr13	7871986	7872459	-62467	Intergenic	NM_001039806	epas1b	4.620983289	5.884394793	-1.263411504	0.01661
peak_42815	chr16	34760870	34761385	-113164	Intergenic	NM_131160	pou3f2b	5.380383298	6.643804187	-1.263420889	0.027757
peak_43365	chr9	27028339	27028659	-5165	Intergenic	NM_001128555	arhgap15	4.539021661	5.802514926	-1.263493265	0.030284
peak_35258	chr11	44983824	44984430	69313	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	6.388016482	7.65155216	-1.263535678	0.007275
peak_35905	chr25	5100282	5100722	-101949	Intergenic	NM_001077725	athl1	4.615612369	5.879194008	-1.26358164	0.008368
peak_39126	chr2	53894106	53894389	193476	Intergenic	NM_131876	admp	4.104231123	5.36782484	-1.263593717	0.015613
peak_30008	chr20	47305722	47306926	-4433	Intergenic	NM_001018134	dnmt3aa	7.451442507	8.715041546	-1.263599039	0.002029
peak_29254	chr7	54039984	54041064	-26966	Intergenic	NM_214816	tcf12	7.972711335	9.236358133	-1.263646799	0.001642
peak_43644	chr7	37212869	37213160	-48071	Intergenic	NM_001045227	irx5a	3.963015635	5.226803544	-1.263787909	0.031423
peak_37483	chr3	13526740	13527190	-7938	Intergenic	NM_001018135	sun1	4.843780917	6.107770167	-1.26398925	0.01163
peak_38908	chr18	41248187	41248624	-71033	Intergenic	NM_001007388	ttc36	4.912723933	6.176715244	-1.263991311	0.014993
peak_41829	chr11	45940068	45940410	17295	intron (NM_001077304, intron 3 of 11)	NM_001003595	cant1b	3.954531943	5.218531512	-1.263999569	0.024049
peak_32589	chr3	21265695	21266331	-81022	Intergenic	NM_212956	nlk1	5.969717154	7.233781591	-1.264064437	0.003967
peak_39333	chr2	4042330	4042584	15041	intron (NM_001142774, intron 2 of 11)	NM_001142774	gpt2l	4.398739775	5.66283738	-1.264097605	0.016139
peak_30734	chr6	25374991	25376029	312076	Intergenic	NM_212689	lmo4b	6.512933595	7.777374415	-1.26444082	0.002448
peak_42354	chr4	6959564	6960060	-47805	Intergenic	NM_001017823	phyh	4.290291045	5.55482654	-1.264535495	0.025851
peak_40214	chr13	5413445	5413756	-167654	Intergenic	NM_131893	meis1	4.150915405	5.415497251	-1.264581846	0.018641
peak_32154	chr14	34429222	34429822	26699	Intergenic	NM_001100008	zbtb33	6.188532244	7.453162211	-1.264629967	0.003544
peak_35896	chr11	45971580	45972293	-11342	intron (NM_001017596, intron 8 of 13)	NM_001105526	zgc:171772	5.557373553	6.822241231	-1.264867677	0.008353
peak_41865	chr22	38559248	38559572	167765	Intergenic	NM_001113587	hykk.2	4.802528849	6.067410558	-1.264881708	0.024182
peak_37367	chr2	24898962	24899502	5104	TTS (NM_001163298)	NM_001163298	msl2a	4.945956457	6.210978272	-1.265021816	0.011352
peak_29421	chr2	39811395	39812924	27979	intron (NM_001005919, intron 3 of 16)	NM_001005919	epha4a	7.780423073	9.045535324	-1.265112251	0.001716
peak_42704	chr1	30481183	30481601	-186094	Intergenic	NM_178296	gli1	4.118298658	5.383436582	-1.265137924	0.027297
peak_31464	chr21	1303181	1304505	196141	Intergenic	NM_201138	txnl1	6.405254598	7.670393056	-1.265138458	0.002968
peak_31492	chr18	15886610	15887166	-19086	Intergenic	NM_001045074	alx1	6.445519203	7.710832665	-1.265313461	0.002987
peak_31846	chr16	1160007	1160421	339564	Intergenic	NM_207185	irx1a	5.159552967	6.424908412	-1.265355445	0.003309
peak_34122	chr3	55523190	55523619	-2547	Intergenic	NM_001159970	s1pr2	5.527123657	6.792557137	-1.26543348	0.005672
peak_27833	chr6	6407485	6408286	57	promoter-TSS (NM_001100951)	NM_001100951	bcl11ab	7.927073292	9.192544385	-1.265471093	0.001042
peak_30561	chr16	3013540	3014281	148093	Intergenic	NM_001162542	adcy3l	7.198621714	8.464812721	-1.266191007	0.002344
peak_30026	chr7	52938429	52939258	-49805	Intergenic	NM_001044906	zgc:136763	7.930411829	9.196633774	-1.266221945	0.002039
peak_38801	chr18	10954651	10955530	-511644	Intergenic	NM_001045135	si:ch211-59c24.1	5.69347327	6.959779833	-1.266306563	0.014775
peak_38847	chr6	55952013	55952609	16569	intron (NM_001004558, intron 1 of 15)	NM_001004558	eya2	5.308778146	6.575084785	-1.266306639	0.014866
peak_36400	chr13	44084724	44085104	55454	Intergenic	NM_001077794	dact2	4.614715268	5.881139141	-1.266423873	0.00933
peak_37451	chr9	47331866	47332157	-190965	Intergenic	NM_001039358	hdac4	3.920004586	5.186552723	-1.266548136	0.011554
peak_37605	chr18	42615258	42615705	-85279	Intergenic	NM_001081628	cdon	4.773790299	6.040346026	-1.266555727	0.011863
peak_40501	chr11	5750595	5750888	-5366	Intergenic	NM_001080647	r3hdm4	3.537128982	4.803705975	-1.266576993	0.019587
peak_30536	chr18	9514184	9514710	244343	Intergenic	NM_001100024	LOC566572	5.664214276	6.930958829	-1.266744553	0.00233
peak_43378	chr4	6032092	6032496	-106	promoter-TSS (NM_131499)	NM_131499	gpr85	4.437931469	5.704806433	-1.266874964	0.030336
peak_34533	chr20	5011585	5012096	84822	Intergenic	NM_001160014	tmem242	5.915983532	7.182897549	-1.266914017	0.006231
peak_33966	chr14	2321604	2322110	11998	Intergenic	NR_039355		5.896880414	7.163839497	-1.266959083	0.00549
peak_28652	chr18	12082264	12083586	-21394	Intergenic	NM_205609	tbxas1	7.445897544	8.713043304	-1.26714576	0.00135
peak_42893	chr9	8413302	8413563	-25150	Intergenic	NM_001109720	zgc:171776	4.09267992	5.359944074	-1.267264154	0.028099
peak_42172	chr12	36284042	36284393	-7488	Intergenic	NM_001105598	timm23	4.532386391	5.799699748	-1.267313357	0.025244
peak_32984	chr6	22244583	22246190	23073	Intergenic	NM_200704	aanat1	7.025249031	8.292627702	-1.267378671	0.004385
peak_29845	chr21	28192002	28194261	51467	Intergenic	NM_001003543	zgc:100829	8.954607646	10.22199968	-1.267392037	0.001938
peak_32987	chr18	4379618	4380044	44854	Intergenic	NM_001128692_1	serpini1	5.009606799	6.277117646	-1.267510847	0.004387
peak_33205	chr5	40250281	40251006	-29875	Intergenic	NM_001126475	si:dkey-58f10.11	6.180976333	7.448547234	-1.267570902	0.004606
peak_42435	chr23	33484827	33485364	-18849	Intergenic	NR_029935		5.046037687	6.313842976	-1.267805288	0.026173
peak_41525	chr13	47402758	47403470	3024	intron (NM_001003869, intron 2 of 5)	NM_001003869	fbxo5	5.613791417	6.881716005	-1.267924589	0.023016
peak_33444	chr13	46521532	46522073	-12798	Intergenic	NM_199514	olig4	6.691572577	7.959639048	-1.268066471	0.004867
peak_38462	chr17	17816966	17817597	32065	intron (NM_001045384, intron 1 of 6)	NM_001045384	ccdc85ca	5.116361525	6.384505927	-1.268144402	0.013913
peak_43444	chr5	5293558	5294022	-82151	Intergenic	NM_001076606	mvb12ba	5.734615648	7.002853886	-1.268238238	0.030591
peak_42216	chr9	52759211	52759519	23561	Intergenic	NM_001115090	tbr1b	3.393518857	4.661774833	-1.268255976	0.025374
peak_28418	chr23	32437297	32438126	36867	TTS (NM_001039924)	NM_001039924	grasp	8.534672683	9.802975843	-1.268303161	0.001257
peak_36205	chr12	4098218	4098737	-67227	Intergenic	NM_001114916	coa3	4.7428742	6.011238326	-1.268364126	0.008925
peak_36602	chr9	52532777	52533425	-78447	Intergenic	NM_001242770	gcgb	5.823667913	7.092122096	-1.268454184	0.009741
peak_38996	chr17	9619114	9619576	175476	Intergenic	NM_213310	egln3	4.593873361	5.86241335	-1.268539989	0.015263
peak_32534	chr17	18217685	18218361	269899	Intergenic	NM_001099260	bcl11ba	6.26446506	7.533020347	-1.268555287	0.003925
peak_36440	chr1	24277590	24278080	-50154	Intergenic	NM_001014371	trim2a	5.241625209	6.510310743	-1.268685534	0.009423

peak_35657	chr13	11155567	11156262	4	promoter-TSS (NM_001082952)	NM_001082952	zbtb18	6.01881102	7.287590868	-1.268779848	0.007948
peak_37697	chr7	7916775	7917575	50702	intron (NM_205544, intron 5 of 20)	NM_205544	actn3b	5.997208976	7.266073421	-1.268864445	0.012035
peak_37150	chr7	26938024	26938350	-35695	Intergenic	NM_001037684	mtm1	4.757626237	6.026553298	-1.268927061	0.010884
peak_39024	chr7	69224972	69225910	-75024	Intergenic	NM_001007441	znf143a	5.42564779	6.694621273	-1.268973483	0.015323
peak_39604	chr14	3663840	3664241	120471	Intergenic	NM_001017822	zgc:110204	4.915640605	6.184826403	-1.269185798	0.016885
peak_31154	chr9	27880203	27881213	-482490	Intergenic	NM_001126402	si:rp71-84d19.3	6.102331002	7.371547541	-1.269216538	0.002725
peak_40310	chr14	49099483	49099809	8668	exon (NM_001201408, exon 9 of 15)	NM_001201408	zmp:0000000758	4.069219889	5.33850137	-1.269281481	0.01897
peak_36758	chr15	45024315	45024826	52077	Intergenic	NM_001162527	LOC100151049	4.608419895	5.87776054	-1.269340645	0.010032
peak_36711	chr9	8041283	8041772	275859	Intergenic	NM_001009886	mnx2a	5.374503711	6.643976344	-1.269472633	0.009932
peak_29265	chr24	22183093	22183568	34443	exon (NM_001080590, exon 8 of 9)	NM_001080590	wasf3b	6.674404714	7.943950014	-1.269545301	0.001645
peak_38269	chr17	3668613	3669251	149748	intron (NM_001020655, intron 9 of 9)	NM_001030159	tmx4	6.030649868	7.300219549	-1.269569681	0.013425
peak_29532	chr17	52290326	52291279	20571	Intergenic	NM_131801	odc1	6.933038875	8.202698549	-1.269659674	0.001772
peak_32944	chr24	16996014	16996455	-99877	Intergenic	NM_001271670	sema5a	5.569951633	6.839655397	-1.269703764	0.004342
peak_33569	chr23	39015347	39015809	-30490	Intergenic	NM_001080609	sall4	6.262748094	7.532489542	-1.269741448	0.004989
peak_35027	chr1	35464880	35465399	-33058	Intergenic	NM_001080012	hhip	6.543728777	7.813513854	-1.269785077	0.006911
peak_34284	chr20	5832483	5832779	237685	intron (NM_001080047, intron 14 of 19)	NM_001080047	nrxn3b	4.666813271	5.936802819	-1.269989547	0.005881
peak_38599	chr9	53937428	53937997	3899	intron (NM_001030165, intron 1 of 3)	NM_001030165	Mar-04	3.960193277	5.230215135	-1.270021858	0.014216
peak_40129	chr1	17744768	17745072	37275	intron (NM_001145577, intron 7 of 21)	NM_001145577	limch1a	4.532386391	5.80241438	-1.270027989	0.018396
peak_37144	chr1	38301414	38301888	139158	intron (NM_001145602, intron 4 of 11)	NM_001145602	si:ch211-15e22.3	4.190056257	5.460112441	-1.270056184	0.010862
peak_33800	chr21	24374622	24375155	42747	Intergenic	NM_001109726	zgc:171740	5.579205489	6.849305786	-1.270100297	0.005254
peak_34551	chr15	45381440	45381976	304707	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	5.388248352	6.658410138	-1.270161787	0.006256
peak_32157	chr25	35542677	35543125	150721	intron (NM_200662, intron 28 of 28)	NM_001110479	trpm1b	5.940954807	7.211137148	-1.270182341	0.003552
peak_35872	chr17	40154282	40154618	201117	Intergenic	NR_048925_2		4.498630944	5.768840139	-1.270209194	0.008321
peak_38180	chr3	40029583	40030278	19467	intron (NM_001045469, intron 2 of 21)	NM_001045469	llgl1	5.33794409	6.608161544	-1.270217454	0.013218
peak_28819	chr3	54186595	54188720	9773	intron (NM_131549, intron 2 of 32)	NM_131549	notch3	8.295083244	9.565306226	-1.270222982	0.001427
peak_33911	chr11	9762797	9763187	274922	intron (NM_001142265, intron 3 of 5)	NM_001142265	nlgn1	4.805676777	6.075917404	-1.270240627	0.005428
peak_32621	chr19	37967392	37968195	619740	Intergenic	NM_131814	angpt2b	7.316944608	8.587434577	-1.270489969	0.004
peak_31932	chr22	26696977	26697479	-10145	Intergenic	NM_194426	pdgfaa	5.221696597	6.492281061	-1.270584464	0.003371
peak_33975	chr18	3231089	3231458	645696	Intergenic	NM_001045470	fam168a	4.787435225	6.058152582	-1.270717357	0.005499
peak_35912	chr5	20833658	20834190	-35586	Intergenic	NM_212766	ranbp1	5.185799053	6.456773537	-1.270974484	0.008377
peak_38264	chr18	11059224	11059548	441098	Intergenic	NM_001013335	zgc:110789	4.222285668	5.493283149	-1.270997481	0.013412
peak_33707	chr17	28068458	28068970	92350	Intergenic	NM_001242995	kdm1a	5.39194889	6.662958633	-1.271009743	0.005154
peak_37005	chr2	21688173	21688504	36781	Intergenic	NM_001017571	ca8	4.665081128	5.936095771	-1.271014643	0.01058
peak_40265	chr19	33249606	33249938	37248	intron (NM_001044918, intron 2 of 8)	NM_001044918	znf704	4.25841321	5.529445317	-1.271032107	0.018821
peak_37900	chr5	19463827	19464143	-95002	Intergenic	NM_001100015	chfr	4.348774912	5.619818705	-1.271043793	0.01252
peak_41544	chr13	22515601	22515895	-45615	Intergenic	NM_001128761	opn4a	4.527572549	5.798674561	-1.271102013	0.023077
peak_42914	chr7	46239	47333	-53292	Intergenic	NM_001079984	nrxn2b	5.473091007	6.744225718	-1.271134711	0.028204
peak_35038	chr13	49914013	49914636	-188471	Intergenic	NM_001003463	ntpcr	5.635234559	6.906404763	-1.271170205	0.006925
peak_39205	chr25	34951229	34951520	54969	intron (NM_001110167, intron 1 of 9)	NM_001110167	roraa	4.760873571	6.032073386	-1.271199815	0.015839
peak_34396	chr5	70787238	70787674	-14430	Intergenic	NM_131414	ephb4a	4.846840202	6.118132951	-1.271292749	0.006047
peak_38495	chr21	16233259	16233798	-118761	Intergenic	NM_001012312	gsna	5.521363052	6.792695408	-1.271332356	0.013976
peak_35209	chr5	24838095	24838582	17121	Intergenic	NM_001198771	tbx5b	5.647593172	6.919213405	-1.271620234	0.007198
peak_36026	chr9	51675286	51675828	-109922	Intergenic	NM_001020575	fign	5.801346603	7.073007406	-1.271660802	0.008574
peak_28312	chr17	15369214	15370299	73	promoter-TSS (NM_001007286)	NM_001007286	fyna	8.445003553	9.716779238	-1.271775686	0.001214
peak_42376	chr7	54648235	54649162	-206	promoter-TSS (NM_131291)	NM_131291	fgf3	5.456133867	6.727932165	-1.271798299	0.025939
peak_36113	chr16	54742339	54742910	5567	Intergenic	NM_001142543	hmgn2	5.201488841	6.473289028	-1.271800187	0.008753
peak_31107	chr9	51836165	51836767	50987	intron (NM_001020575, intron 1 of 1)	NM_001020575	fign	6.22964593	7.50146488	-1.27181895	0.002691
peak_36603	chr3	3631054	3632014	315332	Intergenic	NM_001114556	zgc:171446	6.530205497	7.802235708	-1.272030211	0.009743
peak_42494	chr2	1892677	1893093	4628	intron (NM_001113336, intron 1 of 9)	NM_001113336	zgc:171831	4.714634273	5.986763595	-1.272129322	0.026389
peak_33737	chr8	24277533	24278445	-8760	Intergenic	NM_131498	gpr173	6.395624726	7.668059448	-1.272434721	0.005195
peak_37592	chr2	21822663	21823068	43393	intron (NM_001256694, intron 1 of 9)	NM_001256694	tox	4.475040695	5.747528449	-1.272487754	0.011836
peak_43951	chr9	44811255	44811543	-59794	Intergenic	NM_200921	ube2e3	3.85293938	5.125543164	-1.272603784	0.032737
peak_32671	chr8	33235924	33236476	-1680	Intergenic	NM_199813	mthfd2l	5.549387246	6.822147462	-1.272760215	0.004053
peak_31708	chr11	21301033	21301948	-46493	Intergenic	NM_001002230	tuba7l	6.29565127	7.568600099	-1.272948829	0.003178
peak_36197	chr21	12116508	12116896	52956	intron (NM_001025182, intron 18 of 18)	NM_001025182	stxbp1a	4.608419895	5.881533815	-1.27311392	0.008917
peak_34724	chr5	67207825	67208550	164019	intron (NM_001278808, intron 19 of 21)	NM_001278808	pappab	5.653308962	6.926445132	-1.27313617	0.006454
peak_32241	chr1	35918462	35919041	15907	Intergenic	NM_001002077	lsm6	5.48933326	6.762509514	-1.273176254	0.003637
peak_43573	chr22	40790094	40790495	-8214	3' UTR (NM_205668, exon 6 of 6)	NM_001102639	acap2	4.952361775	6.225622074	-1.273260299	0.031102
peak_37155	chr2	59715501	59716133	-39762	intron (NM_212882_1, intron 7 of 9)	NM_200714	ndufa13	6.342828025	7.616213221	-1.273385196	0.010897
peak_43064	chr14	35358876	35359119	5987	intron (NM_205598, intron 2 of 15)	NM_205598	gria1a	3.592962636	4.866377564	-1.273414927	0.028874
peak_29085	chr23	35940535	35941975	-28819	Intergenic	NM_131339	rarga	8.257631595	9.53112122	-1.273489625	0.001552
peak_36326	chr20	8300989	8301409	295850	3' UTR (NM_001040685, exon 26 of 26)	NM_001040685	dab1a	4.585656064	5.85921197	-1.273555905	0.009184
peak_38959	chr24	24754404	24755091	21674	Intergenic	NM_001025453	eif1axb	5.531380536	6.805048599	-1.273668063	0.015156
peak_35507	chr21	8526548	8526807	194004	Intergenic	NM_001037701	mapk10	4.939522573	6.213405419	-1.273882846	0.007685
peak_35690	chr12	41746563	41746961	-1382981	Intergenic	NM_212880	zgc:76887	4.310441227	5.584330916	-1.273889689	0.007999
peak_37456	chr13	31806337	31806714	-21065	Intergenic	NM_201105	six6a	4.611121277	5.885094756	-1.273973479	0.011578
peak_29724	chr1	4879320	4879813	-119282	Intergenic	NM_001145693	abcb6a	5.942028049	7.216045958	-1.274017909	0.001872
peak_39439	chr5	19198530	19198898	-360273	Intergenic	NM_001100015	chfr	3.817420708	5.091460149	-1.274039442	0.016411
peak_31333	chr6	40518412	40519247	-4718	Intergenic	NM_001006032	tspo	6.865471082	8.139523088	-1.274052006	0.002869
peak_27800	chr5	27753448	27754432	9391	Intergenic	NM_001024408	ela3l	7.777319715	9.051383962	-1.274064248	0.001031
peak_32041	chr15	14468003	14469021	-7399	Intergenic	NM_001105704	zgc:174895	7.277294119	8.551366726	-1.274072607	0.003462
peak_38085	chr9	6796841	6797223	-94347	Intergenic	NM_131150	pou3f3a	4.632603848	5.906788664	-1.274184816	0.01297
peak_41403	chr25	12442203	12442413	96540	intron (NM_001256664, intron 3 of 16)	NM_001256664	ntrk3a	3.846840202	5.12120633	-1.274366128	0.022628
peak_27239	chr5	24786542	24788106	-1375	Intergenic	NM_207091	uprt	8.228904751	9.503340627	-1.274435876	0.000844
peak_37897	chr9	10993450	10993901	-1994	Intergenic	NM_001002196	gmppaa	5.683240619	6.957695177	-1.274454558	0.012512
peak_36545	chr24	30554876	30555662	276508	Intergenic	NM_001163988	prmt6	5.425677631	6.700167601	-1.27448997	0.009642
peak_36910	chr6	4134827	4135356	-266757	Intergenic	NM_200247	unc50	5.525692621	6.800204216	-1.274511595	0.010368
peak_35187	chr21	18401171	18401580	25618	intron (NM_001111217, intron 3 of 17)	NM_001111217	rai14	4.700279607	5.974942364	-1.274662757	0.007172
peak_41280	chr7	41234275	41234561	-90163	Intergenic	NM_001037384	grpel1	4.070529039	5.345258954	-1.274729915	0.022263
peak_39157	chr23	21111650	21112102	19956	Intergenic	NM_001079964	zgc:154075	4.715422541	5.990188336	-1.274765796	0.015699
peak_41953	chr12	5682313	5682884	12987	intron (NM_001006006, intron 8 of 13)	NM_001006006	fra10ac1	4.489851149	5.764620168	-1.274769018	0.02452
peak_33201	chr1	48456583	48457037	128084	intron (NM_001077556, intron 15 of 17)	NM_001077556	ccdc147	4.943100495	6.218027472	-1.274926977	0.004602
peak_36292	chr8	34864089	34864525	41999	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	5.063313966	6.338307079	-1.274993113	0.009107
peak_31066	chr11	44882754	44883286	-17457	Intergenic	NM_001015069_1	gli2b	7.230972263	8.506010237	-1.275037974	0.002661
peak_40788	chr16	56718175	56718565	66002	intron (NM_001083010, intron 8 of 9)	NM_001083010	zgc:158766	3.886118348	5.161165858	-1.275047509	0.020543
peak_34114	chr23	41399388	41399789	-230178	Intergenic	NM_001139458	si:dkey-194e6.1	4.829888182	6.105022777	-1.275134594	0.005663
peak_36823	chr19	32006550	32007024	38615	intron (NM_001044774, intron 2 of 10)	NM_001044774	trit1	4.452063113	5.727216719	-1.275153606	0.010157
peak_28447	chr13	44903312	44904697	454144	Intergenic	NM_001030175	zfand3	7.08537539	8.360531228	-1.275155838	0.001267
peak_31357	chr16	55295309	55296094	-77710	Intergenic	NM_001163294	col27a1a	6.053378088	7.328561549	-1.275183461	0.002889
peak_38578	chr2	27515210	27515611	18697	intron (NM_001110476, intron 5 of 10)	NM_001256682	toe1	4.861327994	6.136671134	-1.27534314	0.014162
peak_41946	chr4	22940954	22941307	-41621	Intergenic	NM_194401	celf2	4.317074445	5.592520762	-1.275446317	0.024506
peak_39800	chr8	472078	473419	-2543	intron (NM_001030255, intron 8 of 8)	NM_213528	trim36	6.145317133	7.42079286	-1.275475727	0.017394
peak_33479	chr1	39817326	39818700	67609	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	6.455839599	7.731315434	-1.275475834	0.004899
peak_41277	chr20	26070462	26070940	6698	Intergenic	NM_001243148	gtf2h5	4.881606982	6.15739957	-1.275792588	0.022261
peak_42508	chr20	24028732	24029250	86126	Intergenic	NM_212819	cx52.6	4.163239007	5.439042432	-1.275803425	0.026448
peak_28824	chr7	27563826	27564357	-1787	Intergenic	NM_199624	her8a	7.117004445	8.392864645	-1.2758602	0.001429
peak_42680	chr10	10826197	10826760	3354	TTS (NM_181495)	NM_181495	nrarpa	5.870000214	7.146095414	-1.2760952	0.027216
peak_33932	chr3	62513910	62514429	-183850	Intergenic	NM_001013547	zgc:113295	5.253234453	6.529391307	-1.276156854	0.005448
peak_38896	chr20	53371240	53371569	165480	Intergenic	NM_001110478	ctsbb	4.203245422	5.479472301	-1.276226879	0.014971
peak_36225	chr14	27302790	27303667	69230	Intergenic	NM_001017831	gm2a	5.779405205	7.055645289	-1.276240084	0.008958
peak_34984	chr10	13683803	13684282	52595	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	5.520884289	6.797133806	-1.276249517	0.006845
peak_34862	chr5	23347717	23348214	276410	Intergenic	NM_001114691	sh2d1aa	4.974290977	6.250769837	-1.27647886	0.006656
peak_35932	chr8	48008561	48009282	-16577	intron (NM_001004678, intron 9 of 9)	NM_200779	ogdha	6.345295356	7.621787996	-1.27649264	0.00841
peak_41648	chr19	46196922	46197446	-601470	Intergenic	NM_001045120	rad21b	4.614715268	5.891216774	-1.276501506	0.023447
peak_29491	chr15	13681560	13682695	36560	intron (NM_001012375, intron 1 of 8)	NM_001012375	numbl	8.90062227	10.17719779	-1.27657552	0.001752

peak_39146	chr2	2593156	2593436	-4116	Intergenic	NM_001040386	dab1b	3.849893014	5.126560872	-1.276667858	0.015673
peak_41807	chr13	43580416	43580716	165391	intron (NM_214809, intron 11 of 68)	NM_214809	cdh23	4.021202373	5.297879889	-1.276677516	0.023977
peak_32851	chr14	45147822	45148196	217827	Intergenic	NM_182885	pcdh10b	5.32864161	6.605500757	-1.276859148	0.004225
peak_42984	chr11	33206757	33207041	328602	Intergenic	NM_001160822	pcdh17	4.191260267	5.46812497	-1.276864704	0.028574
peak_35442	chr23	23422759	23423053	50653	intron (NM_001003830, intron 17 of 18)	NM_001003830	noc2l	4.42564779	5.702680609	-1.277032819	0.007559
peak_41759	chr19	8867622	8868213	-148397	Intergenic	NM_001128368	si:dkey-266f7.9	4.868119378	6.145161621	-1.277042243	0.023827
peak_31064	chr5	42096739	42097497	-13542	Intergenic	NM_001020676	ndufs4	6.11062728	7.387876762	-1.277249482	0.00266
peak_36273	chr10	2335784	2336383	-272834	Intergenic	NM_001008630	nxnl2	6.398754977	7.676008478	-1.277253502	0.00907
peak_43124	chr23	4028493	4028815	28870	intron (NM_001008586, intron 6 of 13)	NM_001008586	slc9a8	3.945998068	5.223253105	-1.277255037	0.029122
peak_35243	chr9	42857375	42857699	50961	Intergenic	NR_030747		4.315971024	5.593303368	-1.277332343	0.007252
peak_31326	chr8	13345503	13346076	-95431	Intergenic	NM_001004664	zgc:103670	5.481481062	6.758836284	-1.277355222	0.002864
peak_41378	chr24	43458992	43459477	8985	intron (NM_001034986, intron 1 of 52)	NM_001034986	lama1	4.62366127	5.901183606	-1.277522336	0.022565
peak_33281	chr16	14710271	14710960	146692	Intergenic	NM_001029956	u2af2a	4.635260365	5.91282859	-1.277568225	0.004677
peak_40911	chr8	51715906	51716290	21591	Intergenic	NM_001122708	nfu1	4.033337828	5.310915185	-1.277577357	0.020968
peak_39584	chr3	14403345	14403918	30574	intron (NM_001040248, intron 2 of 10)	NM_001040248	nfixb	5.222285668	6.500047175	-1.277761507	0.016837
peak_29663	chr13	38699246	38700020	76174	Intergenic	NR_120381		6.874338718	8.152135047	-1.277796329	0.001842
peak_37945	chr5	43929768	43930326	30860	Intergenic	NM_131052	tbx6	4.513202404	5.791179007	-1.277976603	0.012603
peak_38011	chr10	85550	86183	-9767	intron (NM_131836, intron 3 of 5)	NM_200663	tiprl	4.976387689	6.254391323	-1.278003634	0.0128
peak_43161	chr13	45051759	45052017	306260	Intergenic	NM_001030175	zfand3	4.113151883	5.391305536	-1.278153653	0.029341
peak_33428	chr9	547194	547780	-105327	Intergenic	NM_001080074_1	zgc:158316	5.132783983	6.411078325	-1.278294342	0.004847
peak_29477	chr16	42964855	42966161	-2083	Intergenic	NM_001017358	rspo3	6.48835407	7.766673322	-1.278319253	0.001744
peak_37220	chr11	11422532	11422944	-79	promoter-TSS (NM_001130624)	NM_001130624	col9a1a	5.627668943	6.906000546	-1.278331602	0.011048
peak_36577	chr16	506997	507584	62844	Intergenic	NM_201057	irx2a	5.376652936	6.65501532	-1.278362384	0.009696
peak_43460	chr11	17507929	17508218	548693	Intergenic	NM_001110030	kbtbd8	3.449046535	4.727449213	-1.278402678	0.030643
peak_26471	chr23	45604318	45606532	117	5' UTR (NM_131669, exon 1 of 7)	NM_131669	atp1b2a	9.789751463	11.06836336	-1.278611898	0.000644
peak_40971	chr8	35091339	35091705	165175	Intergenic	NM_001002420	gapvd1	3.986866231	5.265497945	-1.278631714	0.021188
peak_30599	chr25	14767991	14768582	42	promoter-TSS (NM_131178)	NM_131178	dbx1b	5.660741649	6.939386983	-1.278645334	0.002364
peak_33876	chr20	32331137	32331564	40267	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	5.815492788	7.094191912	-1.278699124	0.005368
peak_36554	chr23	8002212	8002587	218113	Intergenic	NM_001100145	kif3b	4.394564553	5.673316528	-1.278751975	0.009662
peak_36057	chr15	4265055	4265427	15540	intron (NM_131670, intron 1 of 6)	NM_131670	atp1b3b	4.420523517	5.699320374	-1.278796856	0.008636
peak_31825	chr9	43786361	43786938	17009	Intergenic	NM_001004506	fkbp7	5.887975879	7.166875438	-1.278899558	0.003289
peak_38642	chr17	23952548	23953033	60600	Intergenic	NM_205752	b3gnt2b	4.073143782	5.352079514	-1.278935732	0.014309
peak_35683	chr8	9969331	9969786	145652	intron (NM_001098489, intron 5 of 31)	NM_001098489	plxna3	4.935935756	6.215067607	-1.279131851	0.007986
peak_39337	chr25	67712	68106	-27035	intron (NM_180969_1, intron 1 of 10)	NM_001033096	aqp9a	4.065285294	5.344457905	-1.27917261	0.016155
peak_35476	chr19	33141853	33142358	3668	intron (NM_001128539, intron 1 of 3)	NM_001128539	zbtb10	5.435871685	6.715048857	-1.279177172	0.007613
peak_34875	chr1	43200640	43201126	538647	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	5.352577963	6.631755398	-1.279177436	0.006676
peak_30724	chr6	32720875	32721883	-53105	Intergenic	NM_001042687	pomgnt1	7.412909258	8.692252584	-1.279343326	0.002441
peak_35233	chr8	44108142	44108681	170563	intron (NM_001017996, intron 7 of 8)	NM_001017996	gfra2a	5.595719612	6.875211947	-1.279492335	0.007234
peak_35603	chr2	29472340	29472949	47042	Intergenic	NM_207641	ptf1a	6.030293896	7.309833876	-1.27953998	0.007847
peak_34478	chr1	3994976	3995556	-177983	Intergenic	NM_001003842	spry2	5.907562792	7.18716701	-1.279604217	0.006164
peak_42544	chr14	28912998	28913514	138565	Intergenic	NM_200569	tsc22d3	4.292536631	5.572240915	-1.279704285	0.026638
peak_29668	chr11	42495217	42496571	3796	intron (NM_131332_1, intron 1 of 3)	NM_131324_1	pax7a	7.276860597	8.556832071	-1.279971474	0.001845
peak_38404	chr23	24550465	24550992	-271	promoter-TSS (NM_001006040)	NM_001006040	hspb7	4.733765494	6.013773726	-1.280008232	0.013794
peak_36922	chr13	19390433	19390805	23027	Intergenic	NM_131280	emx2	4.749428098	6.02956173	-1.280133632	0.010395
peak_39941	chr7	48244407	48244815	146214	Intergenic	NM_001195407	tshz3b	4.313761648	5.594053872	-1.280292224	0.017851
peak_29157	chr19	1883823	1884970	17395	intron (NM_198819, intron 1 of 28)	NM_198819	ptk2aa	9.316125096	10.59644304	-1.280317941	0.001587
peak_43596	chr22	21946359	21946641	6220	exon (NM_001130604, exon 2 of 20)	NM_001130604	tle2	4.045372053	5.325920624	-1.28054857	0.031185
peak_32830	chr23	8742598	8743227	-43199	Intergenic	NM_001130639	rgs19	6.300959118	7.581694119	-1.280735001	0.004199
peak_42989	chr23	4154847	4155163	82029	intron (NM_181498_1, intron 2 of 5)	NM_001045332	b4galt5	2.803316476	4.084234319	-1.280917844	0.028607
peak_39049	chr7	47947470	47948312	318298	Intergenic	NM_130995	ccne1	5.570903979	6.851888821	-1.280984842	0.015395
peak_28217	chr25	32151418	32152187	31116	Intergenic	NM_001009901	tnni2a.4	6.905363553	8.186500885	-1.281137332	0.00118
peak_33397	chr9	47027475	47027847	113385	intron (NM_001039358, intron 15 of 24)	NM_001039358	hdac4	5.070529039	6.351798452	-1.281269412	0.004813
peak_41699	chr5	8763850	8764287	78776	Intergenic	NM_131457	bmpr1ba	4.905363553	6.186845185	-1.281481632	0.023624
peak_33601	chr6	6540285	6540741	-38781	Intergenic	NM_001014319	zgc:113227	5.759633003	7.041159479	-1.281526476	0.005026
peak_28225	chr25	1500437	1501150	-149849	Intergenic	NM_001077455	ppm1h	7.124447752	8.406015213	-1.281567461	0.001183
peak_37076	chr5	2959301	2959807	144832	Intergenic	NM_001089476	hsf5	5.482956608	6.764628183	-1.281671574	0.01073
peak_30800	chr14	3936645	3937185	-184287	Intergenic	NM_001098776	lrp2bp	5.750245246	7.031983353	-1.281738108	0.002492
peak_31119	chr13	29679016	29679668	1	promoter-TSS (NM_001017877)	NM_001017877	rgra	5.787833233	7.069683001	-1.281849767	0.002697
peak_34805	chr18	5854933	5855393	-26969	Intergenic	NM_001030266	miox	5.362796846	6.644703286	-1.28190644	0.00656
peak_28710	chr12	49495575	49496438	-29824	Intergenic	NM_001017610	ascc1	8.099269022	9.381294871	-1.282025849	0.001373
peak_43566	chr11	10350504	10350917	169671	Intergenic	NM_001003883	ect2	4.238682765	5.52085529	-1.282172525	0.03108
peak_28211	chr14	31989543	31990167	31172	intron (NM_131860, intron 2 of 8)	NM_131860	gpc4	6.925441065	8.207624207	-1.282183142	0.001178
peak_34424	chr11	44271944	44272424	4295	Intergenic	NM_212914	foxg1b	5.479482569	6.761685023	-1.282202454	0.006085
peak_26645	chr25	6302	12618	-825	promoter-TSS (NM_180969_1)	NM_001077771	zgc:109782	10.3757831	11.65798884	-1.282205742	0.000685
peak_31851	chr6	40388515	40389069	-2862	3' UTR (NM_001003996, exon 11 of 12)	NM_001080684	vhl	6.323967779	7.606235872	-1.282268093	0.003315
peak_31270	chr13	13137378	13138866	17505	intron (NM_131606, intron 2 of 15)	NM_131606	fgfr3	7.456472922	8.738854711	-1.282381789	0.002821
peak_34977	chr4	4963241	4963688	1976	intron (NM_201340, intron 1 of 16)	NM_201340	ahcyl2	5.261282285	6.543768429	-1.282486144	0.006826
peak_43239	chr17	35658872	35659249	-130597	Intergenic	NM_001025556	rsad2	5.08424168	6.366759892	-1.282518213	0.029699
peak_37824	chr8	27406255	27406515	31429	intron (NM_001122712, intron 3 of 14)	NM_001122712	sema3bl	4.552201346	5.834851434	-1.282650088	0.012338
peak_32666	chr16	25565505	25566178	22654	Intergenic	NM_001012497	slc50a1	5.384042612	6.666695362	-1.28265275	0.004045
peak_33438	chr8	4525503	4525994	-17573	Intergenic	NM_001040045	myl2b	5.264751023	6.547457487	-1.282706465	0.004864
peak_35052	chr10	39452218	39452713	-13555	Intergenic	NR_030051		6.227006724	7.510007487	-1.283000763	0.006944
peak_37469	chr17	27149613	27149994	-34824	Intergenic	NM_152967	id3	4.545626554	5.828721749	-1.283095195	0.011603
peak_40261	chr10	41280631	41281035	23383	Intergenic	NM_200744	smfn	4.173022651	5.456220325	-1.283197674	0.018803
peak_34797	chr16	193357	193924	-83770	Intergenic	NM_205698	irx4a	5.162625321	6.445858942	-1.283233621	0.00655
peak_36704	chr14	50822268	50822788	-156524	Intergenic	NM_001002065_1	ppid	5.416380921	6.699693699	-1.283312778	0.009921
peak_34212	chr7	50095939	50096661	25843	intron (NM_001123242, intron 13 of 17)	NM_001002040	cdkn1c	6.781839889	8.065174493	-1.283334604	0.005791
peak_29348	chr1	46772754	46773403	81638	Intergenic	NM_001037662	sox1b	7.745540313	9.028885156	-1.283344844	0.001684
peak_30061	chr20	48780192	48780593	8744	Intergenic	NM_205644	insm1a	6.258142746	7.541595677	-1.283452931	0.002058
peak_30606	chr7	16306345	16307006	90664	intron (NM_152969, intron 2 of 20)	NM_152969	igf1rb	5.737915131	7.021402368	-1.283487237	0.002368
peak_36188	chr3	32471049	32471617	-7560	Intergenic	NM_181437	prl	5.108098251	6.391629111	-1.28353086	0.008904
peak_40576	chr8	45507280	45507637	109754	intron (NM_001007032, intron 7 of 44)	NM_001007032	ncor2	3.679788522	4.963385673	-1.283597151	0.019894
peak_31785	chr12	28663379	28664055	-7266	Intergenic	NM_001105524	ttll6	6.237826053	7.521502672	-1.283676619	0.003254
peak_36384	chr13	53042083	53043380	54633	Intergenic	NM_001135784	nkx6.2	6.852368676	8.136046907	-1.283678231	0.009295
peak_35845	chr17	7021266	7021977	150022	Intergenic	NM_001023572	zbtb24	5.782627238	7.066491843	-1.283864605	0.008293
peak_38044	chr3	11275665	11276363	21980	intron (NM_001099249, intron 4 of 7)	NM_001099249	zgc:165627	5.861305931	7.145273799	-1.283967868	0.012879
peak_37345	chr25	4486986	4487648	-175762	Intergenic	NM_131786	cry3	5.781451883	7.065438245	-1.283986362	0.011308
peak_34190	chr10	35924680	35924973	6047	intron (NM_001113658, intron 2 of 7)	NM_001113658	spg20a	4.545626554	5.829802724	-1.28417617	0.005753
peak_34152	chr8	279566	280261	25108	intron (NM_199992, intron 18 of 19)	NM_001017895	commd10	5.734178586	7.018370113	-1.284191527	0.005704
peak_28736	chr20	45138558	45139326	435118	Intergenic	NM_001013534	zgc:103511	7.139990656	8.424193709	-1.284203053	0.001387
peak_37310	chr2	56500394	56500986	61123	Intergenic	NM_001037113	uba52	4.445014594	5.729225761	-1.284211167	0.011236
peak_33272	chr21	40047439	40048268	21966	intron (NM_131276, intron 1 of 2)	NM_131276	msxd	6.966897636	8.251111117	-1.284213481	0.004668
peak_29794	chr3	56526143	56526706	-90683	Intergenic	NM_131561	axin2	6.316538933	7.600821911	-1.284282978	0.001914
peak_38356	chr18	14240849	14241156	20953	intron (NM_001013351, intron 14 of 16)	NM_001013351	vps9d1	4.329220506	5.613548479	-1.284327974	0.013672
peak_33048	chr8	17968043	17968469	67590	intron (NM_130935, intron 1 of 6)	NM_130935	skia	5.210423655	6.494854234	-1.284430579	0.004446
peak_39100	chr24	4946757	4947331	-101640	Intergenic	NM_001110021	cpb1	5.441447863	6.726008992	-1.28456113	0.015529
peak_38596	chr2	58080373	58080759	-29164	Intergenic	NM_001009556	ncstn	4.400822864	5.685413501	-1.284590637	0.014215
peak_37532	chr1	20566604	20566988	6008	intron (NM_131638, intron 1 of 10)	NM_131638	pax5	4.796957255	6.081596904	-1.284639649	0.011734
peak_40923	chr14	15842393	15843084	-410957	Intergenic	NM_001045428	rab33a	5.355834235	6.640514987	-1.284680752	0.021053
peak_43302	chr2	47700223	47700617	-4349	Intergenic	NM_001077748	scg2b	3.92580277	5.210493901	-1.284691131	0.029999
peak_33720	chr23	26703889	26704288	59314	Intergenic	NM_001195247	si:dkey-205h13.1	5.111917952	6.396674788	-1.284756836	0.005174
peak_35516	chr2	60208697	60209417	-266397	intron (NM_212882_1, intron 9 of 9)	NR_030000		5.658567005	6.943423957	-1.284856951	0.007702
peak_29094	chr21	1649212	1649990	-259550	Intergenic	NM_205605	wdr91	6.592962636	7.877873377	-1.28491074	0.001555
peak_32961	chr7	35895218	35895756	-46956	Intergenic	NM_001005982	cln6a	5.669864721	6.954863234	-1.284998513	0.004363
peak_38315	chr25	10490623	10491114	-136937	Intergenic	NM_001039822	ehf	4.798584256	6.083618534	-1.285034278	0.013543

peak_39594	chr18	32999657	33000232	58198	Intergenic	NM_001045019	tiparp	5.019130283	6.304273119	-1.285142836	0.016864
peak_38676	chr3	14530724	14531352	155530	intron (NM_001040248, intron 3 of 10)	NM_201195	nme4	5.334102215	6.619269165	-1.28516695	0.014371
peak_29404	chr2	46552214	46552752	-109744	Intergenic	NM_201020_1	gpc1b	6.146540944	7.431842411	-1.285301467	0.001708
peak_28315	chr12	49307096	49307784	114564	Intergenic	NM_198811	pald1a	6.439943997	7.725258563	-1.285314567	0.001215
peak_27888	chr4	10091018	10091515	-2172	Intergenic	NM_001130603	tmtc2	7.287346611	8.572680131	-1.28533352	0.001062
peak_33550	chr22	85148	86006	22464	Intergenic	NM_207097	nbl1	5.492295346	6.777811131	-1.285515786	0.004971
peak_29549	chr5	31126452	31127621	-301	promoter-TSS (NM_001114548)	NM_001114548	cacna1ba	6.445266921	7.730837319	-1.285570398	0.001788
peak_40533	chr11	7465827	7466383	-4772	Intergenic	NM_199831	diras1a	4.707870942	5.993505342	-1.2856344	0.019737
peak_43458	chr20	52487545	52487871	51226	Intergenic	NM_212701	hlx1	3.763304282	5.04904383	-1.285739548	0.030628
peak_42255	chr22	33400402	33400770	262455	Intergenic	NM_001040377	zgc:136895	3.880158125	5.165922437	-1.285764312	0.025472
peak_36645	chr8	27346143	27346531	-28619	Intergenic	NM_001122712	sema3bl	5.105508899	6.391393989	-1.285885089	0.009823
peak_29147	chr16	12742651	12744064	198442	Intergenic	NM_131602	dedd1	7.589078967	8.875243051	-1.286164084	0.001584
peak_36997	chr11	33317531	33317872	217800	Intergenic	NM_001160822	pcdh17	4.561596548	5.847881377	-1.286284829	0.010564
peak_39913	chr21	33595142	33595650	28684	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	4.895751498	6.182137484	-1.286385986	0.017738
peak_36867	chr21	30650767	30651104	152824	Intergenic	NM_001098766	zgc:165573	4.065285294	5.351677543	-1.286392249	0.010288
peak_33995	chr13	28751934	28752545	15760	intron (NM_131521, intron 5 of 8)	NM_131521	fbxw4	5.148401839	6.434873313	-1.286471475	0.005518
peak_31316	chr20	20744129	20744780	131	5' UTR (NM_001029948, exon 1 of 7)	NM_001029948	rtn1b	6.431787846	7.718410459	-1.286622613	0.002858
peak_33899	chr13	14836660	14837701	21	promoter-TSS (NM_131055)	NM_131055	flh	6.239007846	7.525691874	-1.286684028	0.005401
peak_43607	chr12	26116222	26116832	-128779	intron (NM_001080021, intron 20 of 21)	NM_001001812	fshr	4.142153178	5.428867358	-1.286714181	0.031258
peak_38922	chr9	4910472	4911006	140408	Intergenic	NM_001113484	nr4a2a	5.184590475	6.471351842	-1.286761366	0.01505
peak_42808	chr13	31849366	31849720	-3746	Intergenic	NM_001009904	six1a	3.98547888	5.272260544	-1.286781664	0.027731
peak_32772	chr15	40546449	40547149	205199	Intergenic	NM_001002430	pxylp1	7.530939763	8.817945657	-1.287005894	0.004155
peak_35149	chr11	43136916	43137212	-33478	Intergenic	NM_001105592	her15.2	4.397697102	5.684733455	-1.287036354	0.007109
peak_30933	chr23	36228964	36230173	-80	promoter-TSS (NM_131531)	NM_131531	hoxc1a	7.256832783	8.54387247	-1.287039687	0.002576
peak_32991	chr10	29276187	29276619	-213753	Intergenic	NM_001007351	btg3	6.151498006	7.438598469	-1.287100463	0.00439
peak_38190	chr2	49751452	49751818	150112	Intergenic	NM_001089323	abhd17aa	4.482927929	5.770353186	-1.287425257	0.013252
peak_32307	chr9	7589851	7590325	39	promoter-TSS (NM_001130588)	NM_001130588	ptprna	5.514136814	6.801830878	-1.287694064	0.003697
peak_34083	chr16	7649642	7650635	-11732	Intergenic	NM_001007396	mboat1	6.809809469	8.097510904	-1.287701435	0.005625
peak_39781	chr21	27856296	27856879	-16511	intron (NM_001020628, intron 9 of 19)	NM_207077	oat	5.460105758	6.747881631	-1.287775873	0.017341
peak_40112	chr18	49835710	49836538	-2919	Intergenic	NM_001040336	st7	4.47701655	5.764830515	-1.287813966	0.018351
peak_40556	chr19	1181256	1181605	-62020	Intergenic	NM_001130777	slc39a4	4.370257652	5.658170337	-1.287912684	0.019821
peak_35608	chr15	18021955	18022463	-163896	Intergenic	NM_001110169_1	zgc:171957	6.001373455	7.289518836	-1.288145381	0.007861
peak_29418	chr16	49338841	49339518	-19420	Intergenic	NM_131186	nr2f5	6.196066283	7.484224887	-1.288158604	0.001714
peak_42479	chr6	59700643	59701344	-5719	Intergenic	NM_001127473_1	slain1b	5.264751023	6.552959162	-1.28820814	0.02635
peak_29961	chr8	2469458	2469945	-24458	Intergenic	NM_001123265	ikbkb	6.71124433	7.999615091	-1.288370761	0.002007
peak_28672	chr3	61630573	61631784	64134	intron (NM_213266, intron 23 of 30)	NM_213266	helz	6.694747264	7.983129307	-1.288382044	0.001359
peak_35841	chr1	4610585	4611196	10775	intron (NM_212965, intron 1 of 14)	NM_212965	nrp2a	6.045391474	7.333857587	-1.288466113	0.00828
peak_43100	chr15	23851989	23852327	-65077	Intergenic	NM_001003510	dhrs13b	3.510254836	4.798736023	-1.288481187	0.028995
peak_38057	chr1	11041435	11041864	-10408	intron (NM_001287204, intron 18 of 20)	NM_001037387	ttyh3b	3.809602052	5.098136306	-1.288534254	0.012908
peak_36393	chr15	28485331	28485767	-3671	intron (NM_001025558, intron 6 of 7)	NM_001013490	zgc:113149	5.388773208	6.677509909	-1.288736701	0.009309
peak_39277	chr14	45071876	45072267	293765	Intergenic	NM_182885	pcdh10b	4.742052865	6.030825429	-1.288772564	0.016022
peak_36807	chr19	20578990	20579432	9572	intron (NM_001044777, intron 2 of 12)	NM_001044777	mpp6b	5.726309548	7.015280746	-1.288971198	0.010128
peak_28499	chr5	43638454	43639369	23432	intron (NM_001256655, intron 2 of 7)	NM_001256655	pigl	8.084498868	9.373557058	-1.289058189	0.00129
peak_41199	chr5	68710689	68711058	-59897	intron (NM_131302, intron 13 of 33)	NM_001100001	camsap1b	4.095254858	5.384324564	-1.289069706	0.02201
peak_28494	chr5	19489031	19489876	-69534	Intergenic	NM_001100015	chfr	9.108316364	10.39738801	-1.289071648	0.001287
peak_31942	chr25	30566272	30566723	-85546	Intergenic	NM_001034978	pim3	6.114776105	7.403966475	-1.28919037	0.003378
peak_32203	chr19	24124508	24124875	279093	Intergenic	NM_199546	chtopa	4.825242463	6.114524876	-1.289282414	0.003595
peak_39014	chr12	27490681	27491467	88	promoter-TSS (NM_001020652)	NM_001020652	sncgb	5.378239627	6.667744685	-1.289505058	0.015297
peak_32196	chr2	53137172	53137654	41658	intron (NM_001007773, intron 1 of 6)	NM_001007773	gna11b	5.050727242	6.340286719	-1.289559476	0.00359
peak_42837	chr12	42822560	42822863	-307032	Intergenic	NM_212880	zgc:76887	4.149677235	5.439328898	-1.289651662	0.02783
peak_36021	chr6	26313715	26314071	-45782	Intergenic	NM_001037680	sox14	4.306002077	5.595676554	-1.289674476	0.008571
peak_36699	chr8	2922178	2922818	-12991	Intergenic	NM_001039998	sh3glb2a	5.621876502	6.91155362	-1.289677118	0.009906
peak_32819	chr12	47922688	47923148	3294	intron (NM_198802, intron 1 of 10)	NM_198802	adkb	4.569951633	5.859665339	-1.289713706	0.00419
peak_29780	chr20	26737267	26738080	5691	TTS (NM_200489)	NM_131729	foxc1b	6.03637535	7.326090804	-1.289715454	0.001908
peak_34332	chr19	46595268	46595916	-271139	Intergenic	NM_001083814	ptpro	5.780252231	7.069990167	-1.289737936	0.005962
peak_36250	chr7	51241151	51241708	68672	Intergenic	NM_131231	ascl1b	4.959486824	6.249275672	-1.289788848	0.009022
peak_31605	chr1	41593553	41594080	75070	intron (NM_214724, intron 16 of 17)	NM_214724	rgs12b	6.383779346	7.67369283	-1.289913484	0.003086
peak_32723	chr21	23920498	23921355	-107764	Intergenic	NM_001004630	sc5d	6.711676157	8.001593868	-1.289917711	0.004111
peak_39688	chr3	61171247	61171618	34054	Intergenic	NM_170761	jmjd6	4.89131342	6.18126336	-1.289949939	0.017114
peak_42509	chr23	33238410	33238827	-265326	Intergenic	NR_029935		4.991020297	6.281213633	-1.290193336	0.026457
peak_33898	chr10	769407	770434	-92478	Intergenic	NM_001080607	glis3	7.740191153	9.030520032	-1.290328878	0.005401
peak_35292	chr19	49258105	49258551	18954	intron (NM_001040330, intron 2 of 8)	NM_001040330	ext1c	4.311548883	5.601996568	-1.290447684	0.007312
peak_36311	chr15	46909677	46910162	-3902	Intergenic	NM_213169	mpzl3	5.614266508	6.904806822	-1.290540313	0.009158
peak_31578	chr7	27622944	27624262	212	5' UTR (NM_131702, exon 1 of 2)	NM_131702	sox19b	7.562034842	8.852640977	-1.290606135	0.003063
peak_34167	chr6	44273138	44273639	59894	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	5.23346666	6.524087101	-1.290620441	0.00572
peak_35820	chr8	49026107	49026493	24195	intron (NM_001004617, intron 3 of 8)	NM_001004617	acot7	4.60751831	5.898182289	-1.290663979	0.008238
peak_35600	chr16	57887325	57888205	12280	Intergenic	NM_201289	pklr	5.596147662	6.886813915	-1.290666253	0.007841
peak_38668	chr11	6509135	6509459	12090	intron (NM_200396_1, intron 6 of 8)	NM_200396_1	coro6	4.28916694	5.579839357	-1.290672416	0.014357
peak_42288	chr5	16420699	16421065	-132738	Intergenic	NM_001128246	sc:d411	4.573649529	5.864392734	-1.290743205	0.025603
peak_43711	chr20	55103999	55104450	49979	Intergenic	NM_212962_1	pak7	3.761684263	5.052596021	-1.290911758	0.031814
peak_35039	chr15	35193904	35195493	-6236	Intergenic	NM_001017614	rhbdd1	6.771377205	8.062495976	-1.291118771	0.006926
peak_34697	chr22	41363493	41363928	5187	intron (NM_001020665, intron 1 of 3)	NM_001020665	ptk7a	5.040742964	6.331882838	-1.291139874	0.006431
peak_37632	chr17	52835190	52835704	214832	Intergenic	NM_001128292	prox2	5.851013934	7.142263659	-1.291249725	0.011902
peak_31017	chr1	53239839	53240532	46230	Intergenic	NM_001083028	patl1	5.572263928	6.863571066	-1.291307138	0.002626
peak_32374	chr25	61761	63427	-21720	intron (NM_180969_1, intron 1 of 10)	NM_001033096	aqp9a	6.687513047	7.97890552	-1.291392472	0.003761
peak_32718	chr1	13168126	13168990	118	5' UTR (NM_001037394, exon 1 of 11)	NM_001037394	ppp2r2ca	6.123335146	7.414820064	-1.291484918	0.00411
peak_30440	chr25	4850020	4850653	68	promoter-TSS (NM_001080181)	NM_001080181	gnb5a	6.911596699	8.203086893	-1.291490195	0.002276
peak_34112	chr21	6315545	6315882	258395	Intergenic	NM_212591	cdk9	4.33794409	5.629443339	-1.291499249	0.005661
peak_34247	chr8	2081110	2081363	59116	Intergenic	NM_001256256	snap29	4.339030839	5.63063174	-1.291600902	0.005835
peak_37834	chr23	35955776	35956203	-14085	Intergenic	NM_131339	rarga	4.853699967	6.145530014	-1.291830047	0.012371
peak_38321	chr4	54808611	54809929	-804682	Intergenic	NM_001111199	zgc:173710	6.451826625	7.743746558	-1.291919933	0.013569
peak_35344	chr4	1003812	1004230	-70918	Intergenic	NM_212972	mtpn	4.420523517	5.712495181	-1.291971664	0.007392
peak_41850	chr10	43856274	43856690	28332	Intergenic	NM_199739	march5l	4.696843362	5.989053263	-1.292209901	0.02412
peak_40979	chr5	23259190	23259885	187982	Intergenic	NM_001114691	sh2d1aa	4.894273656	6.186560458	-1.292286802	0.021222
peak_43604	chr5	42273777	42274068	85235	Intergenic	NM_130962	isl1	4.248037038	5.540688494	-1.292651456	0.031242
peak_35498	chr9	2321916	2322722	-6670	Intergenic	NM_201176	atp5g3a	5.922927732	7.215712023	-1.292784291	0.007662
peak_37189	chr2	15671254	15671545	238053	Intergenic	NM_213011	amy2a	3.880158125	5.173197947	-1.293039822	0.010986
peak_39498	chr5	18986501	18986831	-474935	Intergenic	NM_001004640	atad1a	4.168139123	5.461646713	-1.29350759	0.016631
peak_33511	chr5	48034006	48034946	82169	Intergenic	NM_001007790	hapln1a	6.481958729	7.775541359	-1.29358263	0.004938
peak_29994	chr15	2291017	2291887	110246	intron (NM_212947, intron 5 of 10)	NM_212947	rsrc1	7.446905969	8.740687236	-1.293781266	0.002022
peak_40159	chr7	48289303	48289886	101231	Intergenic	NM_001195407	tshz3b	5.390870726	6.68465483	-1.293784104	0.018495
peak_38301	chr16	30669277	30669584	57399	intron (NM_001114911, intron 12 of 12)	NM_001114911	itga8	4.30377737	5.59773891	-1.29396154	0.013522
peak_40539	chr1	52992177	52992743	146	intron (NM_001002347, intron 1 of 7)	NM_001002347	acy3.2	6.37848849	7.672637708	-1.294149217	0.019756
peak_37325	chr9	47053203	47053726	87582	exon (NM_001039358, exon 10 of 25)	NM_001039358	hdac4	5.171228861	6.465445985	-1.294217123	0.011275
peak_35964	chr8	49121007	49121563	25580	intron (NM_001123282, intron 2 of 12)	NM_001123282	espn	6.055712871	7.350192267	-1.294479396	0.008472
peak_29621	chr15	34751724	34752338	202405	Intergenic	NM_001080189_1	zgc:158328	7.412393111	8.706886696	-1.294493585	0.001812
peak_39178	chr18	48813592	48814067	-13721	Intergenic	NM_001045317	mob2b	5.086222395	6.380754404	-1.294532009	0.015773
peak_37796	chr24	19410795	19411100	-190922	Intergenic	NM_200844	zgc:66014	4.695146922	5.990089337	-1.294942415	0.012278
peak_32095	chr17	9221086	9221583	-399549	Intergenic	NM_001077768	zranb1b	5.912337638	7.207624114	-1.295286476	0.003501
peak_36740	chr21	14107417	14107881	24430	Intergenic	NM_131218	lhx5	5.059363209	6.354712376	-1.295349167	0.009986
peak_31933	chr15	25125995	25126900	-105806	Intergenic	NR_030247		6.06133994	7.35672609	-1.29538615	0.003372
peak_42415	chr15	17376269	17376888	141743	intron (NM_131831, intron 10 of 19)	NM_131831	ncam1b	4.721317424	6.016871781	-1.295554357	0.026099
peak_33167	chr22	40339130	40339687	-3724	Intergenic	NM_213118	sox2	5.329188601	6.624774238	-1.295585637	0.004569
peak_40446	chr15	34597621	34598172	48270	intron (NM_001080189_1, intron 8 of 18)	NM_001080189_1	zgc:158328	4.307113146	5.602708051	-1.295594905	0.019385
peak_35488	chr25	7888017	7888418	38701	Intergenic	NM_200972	arpp19b	5.062656257	6.358280694	-1.295624437	0.007631

peak_30601	chr13	17142716	17143176	370389	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	5.855621834	7.151638122	-1.296016288	0.002365
peak_31980	chr5	12455640	12456081	-31692	Intergenic	NM_001195784	fep15	5.543271134	6.839287673	-1.29601654	0.003413
peak_32497	chr5	28127606	28128059	9970	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	5.539494444	6.835687733	-1.296193289	0.003889
peak_43618	chr1	2504715	2505230	35230	intron (NM_001109719, intron 1 of 3)	NM_001109719	zgc:171629	5.145956337	6.442150382	-1.296194045	0.031305
peak_39595	chr8	3135129	3135753	-116549	Intergenic	NM_001040010	lhx2b	5.396653674	6.692905543	-1.296251868	0.016865
peak_34158	chr24	41299295	41299817	-25530	Intergenic	NM_001045408_1	zgc:153659	5.228163191	6.524450822	-1.296287631	0.00571
peak_37546	chr3	61849322	61849792	-22397	Intergenic	NM_207167	pvalb5	5.30822336	6.604539283	-1.296315923	0.011753
peak_30832	chr7	37183216	37184101	-18715	Intergenic	NM_001045227	irx5a	6.749644348	8.046001772	-1.296357424	0.002515
peak_41072	chr4	8870175	8870542	14397	Intergenic	NM_001115086	parp12b	3.152152513	4.448539195	-1.296386681	0.021607
peak_40599	chr17	24152881	24153181	6106	TTS (NM_131250)	NM_131250	otx1b	4.284661742	5.581064117	-1.296402375	0.019923
peak_31925	chr9	45358576	45360027	1426	exon (NM_130978, exon 2 of 2)	NM_130978	neurod	6.737309074	8.033731795	-1.296422721	0.003367
peak_29803	chr13	27477313	27478194	-44851	Intergenic	NM_001076727	slc17a5	6.523529461	7.819955243	-1.296425783	0.001919
peak_42613	chr14	31505766	31506549	6291	TTS (NM_001045321)	NM_001045321	npas4a	6.175780131	7.472328593	-1.296548462	0.026913
peak_28701	chr18	20542	22291	-4889	Intergenic	NM_001012372	hdgfrp3	8.757399325	10.05410797	-1.29670864	0.001369
peak_39285	chr1	54938297	54939539	222719	Intergenic	NM_001145690	tekt4	5.368160982	6.664925166	-1.296764184	0.016033
peak_42608	chr2	68359	68757	-10320	Intergenic	NM_001168350	adcy1b	4.498630944	5.795399091	-1.296768147	0.026883
peak_34409	chr15	39294247	39294768	103215	intron (NM_001077577, intron 2 of 2)	NM_001077577	fat3a	5.635260365	6.932077154	-1.29681679	0.006067
peak_37395	chr3	54292052	54292478	67796	Intergenic	NM_200707	rdh8a	4.592051336	5.888926942	-1.296875606	0.011422
peak_31562	chr13	49350752	49351782	21751	intron (NM_001159668, intron 1 of 20)	NM_001159668	fbxo11a	7.318314785	8.61528512	-1.296970335	0.003049
peak_28924	chr2	21627570	21628530	16403	intron (NM_201454, intron 3 of 7)	NM_201454	rab2a	6.631260814	7.928422935	-1.297162121	0.001479
peak_41514	chr8	34081381	34081908	-78925	Intergenic	NM_001122711	LOC100004439	5.526169791	6.8233607	-1.297190909	0.022976
peak_40060	chr20	25380359	25380793	498	5' UTR (NM_001045186, exon 2 of 9)	NM_001045186	fam228a	4.772986383	6.070222583	-1.2972362	0.018194
peak_38424	chr17	14213265	14213605	113172	Intergenic	NM_200482	jkamp	4.087516214	5.384803008	-1.297286794	0.01384
peak_29244	chr2	49655175	49656211	54170	Intergenic	NM_001089323	abhd17aa	7.717752577	9.015040243	-1.297287666	0.001635
peak_43544	chr10	41258189	41258572	930	intron (NM_200744, intron 1 of 6)	NM_200744	smfn	4.06133994	5.358677472	-1.297337532	0.030988
peak_29238	chr2	46579612	46580181	-137157	Intergenic	NM_201020_1	gpc1b	5.995851639	7.293209633	-1.297357995	0.00163
peak_33386	chr14	31827953	31828382	8996	Intergenic	NM_001123050	il2rgb	4.772182018	6.069604078	-1.29742206	0.004805
peak_34042	chr18	11592177	11592603	-3933	Intergenic	NM_001177933	fgd4a	5.500089063	6.797551611	-1.297462548	0.005578
peak_32135	chr5	51752847	51753265	68491	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	5.5290295	6.826524231	-1.297494731	0.003528
peak_33081	chr14	41316751	41317729	377394	Intergenic	NM_001127519	pcdh19	6.258987481	7.55663898	-1.297651499	0.004477
peak_40372	chr7	16274193	16274637	58404	intron (NM_152969, intron 2 of 20)	NM_152969	igf1rb	4.403941868	5.701633452	-1.297691585	0.019147
peak_37326	chr17	34018481	34019041	-58235	Intergenic	NM_001003855	fut8a	4.889831022	6.187544076	-1.297713054	0.011277
peak_37706	chr16	56017906	56018291	67482	Intergenic	NM_001197202	ifnlr1	4.493759878	5.791482234	-1.297722356	0.012054
peak_37979	chr24	2429808	2430175	-99164	Intergenic	NM_001076711	f13a1a.1	4.328126339	5.626015816	-1.297889476	0.012708
peak_40348	chr19	33244218	33244552	42635	intron (NM_001044918, intron 2 of 8)	NM_001044918	znf704	4.558746311	5.856739714	-1.297993403	0.019069
peak_28283	chr21	14391000	14391676	31130	intron (NM_131840, intron 1 of 10)	NM_131840	tnfrsfa	7.181119001	8.479293009	-1.298174008	0.001203
peak_35751	chr2	5926177	5926549	8480	intron (NM_001077600, intron 1 of 3)	NM_001077600	ppm1la	4.190056257	5.48827168	-1.298215423	0.008128
peak_37084	chr3	52390489	52390954	85810	intron (NM_001040245, intron 3 of 12)	NM_001040245	baiap2a	5.121460037	6.419859173	-1.298399136	0.010743
peak_43835	chr25	15164120	15164640	33649	Intergenic	NM_200452	dnajc24	4.589313976	5.887835513	-1.298521537	0.03232
peak_29610	chr24	4231683	4232325	-5412	Intergenic	NM_201461	klf6a	6.459356395	7.757895717	-1.298539322	0.001808
peak_30459	chr25	144267	145910	-17199	intron (NM_180969_1, intron 1 of 10)	NM_001077771_1	zgc:109782	7.350011892	8.648557815	-1.298545923	0.002288
peak_40954	chr8	3378633	3379268	65093	Intergenic	NM_001008604	zgc:103510	5.383516031	6.682081271	-1.29856524	0.02113
peak_37008	chr15	25705068	25705415	170089	intron (NM_203480, intron 1 of 2)	NM_199811	rpa1	4.522798387	5.821542961	-1.298744575	0.010583
peak_33229	chr7	45057166	45058140	-296842	Intergenic	NM_131214	cdh11	6.883130449	8.181918395	-1.298787947	0.004629
peak_29588	chr2	37929187	37930207	334	intron (NM_001007177, intron 1 of 2)	NM_001007177	si:ch211-14a17.1	6.293954695	7.592834213	-1.298879518	0.001799
peak_31204	chr13	53035722	53037372	48449	Intergenic	NM_001135784	nkx6.2	7.768960068	9.067889942	-1.298929874	0.002763
peak_37195	chr5	52210145	52210572	257476	Intergenic	NM_001135983	zgc:194908	4.968684802	6.26762188	-1.298937078	0.010997
peak_39878	chr15	27198707	27199148	-139690	Intergenic	NM_131216	lhx1a	4.190056257	5.489013418	-1.298957161	0.017632
peak_33891	chr16	20806102	20806874	-125192	Intergenic	NM_199736	slc6a19b	7.019987427	8.318967585	-1.298980158	0.005389
peak_28522	chr5	34340764	34341403	-68060	Intergenic	NM_199754	ier5l	7.837806995	9.136877488	-1.299070493	0.001298
peak_33456	chr2	40142642	40142931	60887	intron (NM_153658, intron 2 of 15)	NM_153658	epha4b	4.521841655	5.820987213	-1.299145557	0.004879
peak_29070	chr21	35740734	35741332	-23192	Intergenic	NM_001122621	mrpl22	7.237406006	8.536838005	-1.299431999	0.001544
peak_33306	chr7	76961702	76962261	-60168	Intergenic	NM_199916	ppp1cbl	4.681503107	5.980979636	-1.299476529	0.004704
peak_34407	chr21	15292720	15293152	-198790	Intergenic	NM_001166121	aqp3b	5.346646764	6.646208548	-1.299561784	0.006064
peak_39991	chr13	33250613	33251032	2673	intron (NM_199611, intron 2 of 7)	NM_199611	arg2	4.562527284	5.862199095	-1.299671811	0.018009
peak_33967	chr5	5824788	5825177	445985	Intergenic	NM_205570	zgc:73226	4.826017789	6.125750748	-1.299732959	0.00549
peak_40564	chr7	30163144	30164002	102370	intron (NM_205552, intron 8 of 8)	NM_205552	ccdc102a	5.143434108	6.443246798	-1.29981269	0.019855
peak_35578	chr12	28399560	28400123	22916	intron (NM_131709, intron 1 of 7)	NM_131709	zeb1b	5.537602385	6.837465096	-1.299862711	0.007808
peak_42014	chr7	10024806	10025502	-46418	Intergenic	NM_001007383	snrpa1	5.387228713	6.687121187	-1.299892474	0.024729
peak_34704	chr6	16057392	16057913	108664	Intergenic	NM_152964	gbx2	4.92580277	6.225752031	-1.299949261	0.006438
peak_42183	chr10	20260755	20261107	46844	intron (NM_001080594, intron 12 of 13)	NM_001080594	ppp3ccb	4.314866759	5.614822336	-1.299955576	0.025273
peak_38255	chr25	33736828	33737329	-1031	Intergenic	NM_198909	etfa	4.558800733	5.858821126	-1.300020393	0.0134
peak_35354	chr14	8522284	8522783	-42476	Intergenic	NM_001002333	stx5a	5.845289061	7.145440823	-1.300151762	0.007419
peak_28338	chr9	32177188	32178249	-8392	Intergenic	NM_001128800	si:ch211-184m13	7.757094465	9.057284309	-1.300189844	0.001226
peak_30718	chr24	38806699	38807165	-22115	Intergenic	NM_131351	ube2ib	5.907929007	7.208454835	-1.300525829	0.002439
peak_32850	chr6	51916919	51917777	141922	Intergenic	NM_001287552	LOC570865	6.047406821	7.348062416	-1.300655595	0.004223
peak_29312	chr21	10773979	10775019	-83748	Intergenic	NM_001002562	celf4	6.072836253	7.373577206	-1.300740953	0.001672
peak_31473	chr17	3636554	3637189	117687	intron (NM_001020655, intron 9 of 9)	NM_001030159	tmx4	5.938067996	7.23883148	-1.300763484	0.002976
peak_34769	chr2	53344285	53344719	126079	Intergenic	NM_207080	ralbp1	4.811952101	6.112787941	-1.30083584	0.006514
peak_29412	chr2	14076867	14077735	50231	Intergenic	NM_001017787	leprot	6.826405296	8.127245487	-1.300840191	0.001711
peak_36931	chr18	33263595	33264112	-253858	Intergenic	NM_001082996	ccdc19	5.409155454	6.710011105	-1.300855651	0.010404
peak_39915	chr1	6140599	6141402	68549	intron (NM_001143751_2, intron 1 of 10)	NM_001143751_2	erbb4a	5.881277544	7.182137317	-1.300859773	0.017742
peak_33043	chr3	40033054	40033515	16113	intron (NM_001045469, intron 2 of 21)	NM_001045469	llgl1	5.598418383	6.899775556	-1.301357173	0.004438
peak_37104	chr18	8822143	8822526	-14662	Intergenic	NM_131061	sema3ab	4.412286634	5.713692366	-1.301405732	0.010784
peak_36315	chr11	16869218	16869627	-89958	Intergenic	NM_001110030	kbtbd8	4.764922485	6.066363938	-1.301441453	0.009166
peak_35957	chr10	33777982	33778415	53941	Intergenic	NM_200843	rabgef1	4.274473311	5.575949363	-1.301476052	0.008457
peak_32446	chr11	46363251	46364038	-752	promoter-TSS (NM_001080695)	NM_001080695	zgc:158270	6.195766376	7.497398082	-1.301631706	0.003837
peak_34829	chr9	47916064	47916519	-25178	Intergenic	NM_001126463	igfbp5a	5.019130283	6.320833292	-1.30170301	0.006596
peak_40442	chr6	58347057	58347790	-77956	Intergenic	NM_001013289	arfrp1	4.748610487	6.050323164	-1.301712677	0.019371
peak_40639	chr11	25131218	25131963	-6105	Intergenic	NM_001030278	sox12	5.980592305	7.282380669	-1.301788364	0.02004
peak_38743	chr3	2520249	2520956	-31034	Intergenic	NM_131875	sox10	5.681074652	6.983006207	-1.301931555	0.014573
peak_43456	chr19	9222620	9222938	140	exon (NM_001083100, exon 1 of 11)	NM_001083100	trim46b	3.860527269	5.162468848	-1.301941578	0.030621
peak_31665	chr7	47395214	47395728	-177819	Intergenic	NM_001020749	pop4	5.625024388	6.926976162	-1.301951774	0.003141
peak_34739	chr18	38167991	38168348	81223	Intergenic	NM_001080165	gldn	5.174885228	6.476938942	-1.302053714	0.006468
peak_37594	chr9	50186882	50187147	-274750	Intergenic	NM_001113604	nostrin	4.31265569	5.614746548	-1.302090857	0.011842
peak_40584	chr19	11005444	11006182	12406	exon (NM_001128776, exon 8 of 10)	NM_001128776	zgc:194578	5.719183569	7.021327027	-1.302143458	0.019906
peak_36568	chr23	37223336	37223775	-12049	Intergenic	NM_001128715	zgc:193690	5.14156679	6.443755884	-1.302189093	0.009681
peak_30615	chr7	32861919	32862584	-86315	Intergenic	NM_001199362	cilp	5.872629271	7.17487627	-1.302246999	0.002377
peak_38895	chr16	3716607	3716922	62181	Intergenic	NM_001076754	zgc:152945	4.273336808	5.575939609	-1.302602801	0.014971
peak_33828	chr9	52452734	52453177	-158593	Intergenic	NM_001242770	gcgb	4.501545709	5.804164437	-1.302618728	0.005287
peak_33412	chr22	16394981	16395456	-156	promoter-TSS (NM_001083835)	NM_001083835	vcam1	5.534257622	6.836907745	-1.302650123	0.004834
peak_39007	chr5	33003378	33003827	15060	exon (NM_001014339, exon 2 of 15)	NM_001014339	camkk1	4.47701655	5.779730607	-1.302714058	0.015287
peak_33774	chr5	70758642	70759254	-11125	Intergenic	NM_001007401	b4galt4	6.016095832	7.31884112	-1.302745288	0.005228
peak_35797	chr9	44457315	44457777	153825	intron (NM_212793, intron 2 of 8)	NM_212793	znf385b	4.714585424	6.017403427	-1.302818003	0.008201
peak_41396	chr21	16849098	16849614	37220	Intergenic	NM_213099	wdr5	4.755999826	6.05887341	-1.302873585	0.022618
peak_27843	chr17	35696902	35698061	-169018	Intergenic	NM_001025556	rsad2	7.83800479	9.140895216	-1.302890426	0.001046
peak_27770	chr9	45708993	45710730	76150	Intergenic	NM_001128265	dusp19a	8.485408925	9.788352645	-1.302943721	0.00102
peak_30305	chr18	20749773	20750792	77222	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	6.173345096	7.476316664	-1.302971568	0.002197
peak_42962	chr24	1873658	1874222	-352776	Intergenic	NM_212616	zgc:85789	4.391425188	5.694399303	-1.302974115	0.028442
peak_27908	chr2	25481165	25482204	-44943	Intergenic	NM_001159832	fndc3ba	7.150415103	8.453404033	-1.30298893	0.001069
peak_30951	chr8	50572820	50574892	-188401	Intergenic	NM_001128741	zgc:195023	7.964517904	9.267518052	-1.303000148	0.002589
peak_34892	chr19	1197354	1198048	-48089	Intergenic	NM_001113601	scrt1a	5.607067306	6.910218649	-1.303151343	0.006709
peak_34060	chr14	38826318	38826953	619736	Intergenic	NM_001048055	lect2l	5.678071896	6.981338193	-1.303266297	0.0056
peak_34251	chr9	43653824	43654535	-26020	Intergenic	NM_001007182	gulp1a	5.91491199	7.218437036	-1.303525046	0.005837
peak_43846	chr14	19222448	19222745	166928	Intergenic	NM_001198751	zgc:158852	4.334678924	5.638208932	-1.303530007	0.032359

peak_38776	chr9	55161249	55161711	59282	Intergenic	NM_001009888	sox21b	4.6900456	5.993591232	-1.303545632	0.014692
peak_39444	chr19	29396403	29396660	-121457	Intergenic	NM_213122	sox4a	4.042706443	5.346409278	-1.303702835	0.016418
peak_29001	chr16	32959098	32960104	51615	Intergenic	NM_001013340	fam210a	8.270759789	9.574829248	-1.304069459	0.001512
peak_26666	chr2	58937102	58938300	29125	Intergenic	NM_001009556_1	ncstn	8.367667952	9.67179749	-1.304129538	0.000691
peak_38070	chr9	33084220	33084963	-25385	Intergenic	NM_001127305	pikfyve	5.180387832	6.484586286	-1.304198454	0.012928
peak_31500	chr23	28589781	28590250	-113	promoter-TSS (NM_170762)	NM_170762	neurod4	6.099429356	7.40374124	-1.304311884	0.002994
peak_28524	chr6	43022942	43023990	9	promoter-TSS (NM_001130694)	NM_001130694	lrrn1	8.860323869	10.16471776	-1.30439389	0.001299
peak_35082	chr9	15436143	15437006	264297	Intergenic	NM_131520	fn1a	6.031341938	7.335834785	-1.304492847	0.007009
peak_43427	chr15	46398947	46399858	-29165	intron (NM_205646, intron 1 of 6)	NM_207070	phox2a	4.145883885	5.450479653	-1.304595768	0.030532
peak_38234	chr11	46487428	46488147	-19435	Intergenic	NM_001017575	aspscr1	5.925823868	7.230694015	-1.304870147	0.013349
peak_38376	chr21	20097009	20097368	5325	exon (NM_001077166, exon 6 of 13)	NM_001077166	ccdc61	4.419496475	5.724592755	-1.30509628	0.01374
peak_33524	chr8	11221545	11222809	159330	Intergenic	NM_001083016	fxn	5.349884986	6.65500215	-1.305117165	0.004945
peak_43371	chr8	50581785	50582296	-180217	Intergenic	NM_001128741	zgc:195023	4.569025676	5.874167317	-1.305141641	0.030295
peak_30330	chr20	17818394	17819167	32759	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	6.36599906	7.671224886	-1.305225826	0.002215
peak_37437	chr17	24145497	24146101	-1126	Intergenic	NM_131250	otx1b	4.621876502	5.927149295	-1.305272793	0.011517
peak_29547	chr7	77068800	77070214	17723	Intergenic	NM_001020651	zgc:112102	6.682989216	7.988295117	-1.3053059	0.001785
peak_36339	chr5	23702093	23702518	-30738	Intergenic	NM_001099997	LOC559803	4.192463273	5.497790784	-1.305327512	0.009213
peak_37224	chr6	19094034	19094550	70574	Intergenic	NM_001014307	sept9b	5.263606833	6.568942	-1.305335168	0.011054
peak_35229	chr9	49364649	49365010	-6688	Intergenic	NM_001159842	col28a1a	4.33794409	5.643283601	-1.30533951	0.007232
peak_43156	chr19	42527853	42528316	-37235	Intergenic	NM_001013293	chrac1	4.256113835	5.561476469	-1.305362634	0.029321
peak_39740	chr11	9931153	9931477	106599	intron (NM_001142265, intron 2 of 5)	NM_001142265	nlgn1	4.164465597	5.469936394	-1.305470797	0.017236
peak_39646	chr10	24399101	24399473	-58979	Intergenic	NM_200664	cadm2a	3.758438756	5.063922782	-1.305484026	0.016989
peak_34037	chr7	45823026	45823505	32861	Intergenic	NM_200813	ca7	6.203578586	7.509273518	-1.305694932	0.005563
peak_36908	chr14	1533761	1534116	-84079	intron (NM_001289886, intron 1 of 6)	NM_001045338	hrh2	4.2869161	5.592638578	-1.305722478	0.010368
peak_36015	chr5	23846771	23847064	-3981	Intergenic	NM_001003631	shisa2	3.992402332	5.298163476	-1.305761144	0.008556
peak_34558	chr16	54142246	54142620	178711	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	4.36172786	5.667705189	-1.30597733	0.006269
peak_30117	chr5	17832282	17833217	87751	Intergenic	NM_001004541	zgc:92445	6.83665893	8.142658098	-1.305999168	0.002092
peak_29470	chr15	47018714	47019355	86990	Intergenic	NM_001098772	zgc:165502	6.307652167	7.613696412	-1.306044245	0.001741
peak_40653	chr14	33578088	33578408	-41073	Intergenic	NM_001039135	inppl1b	3.851417001	5.157631536	-1.306214535	0.020094
peak_43673	chr8	4516146	4516412	-27042	Intergenic	NM_001040045	myl2b	3.728799148	5.035047599	-1.306248451	0.031577
peak_38047	chr15	18405560	18406291	46489	Intergenic	NM_205649	zgc:77784	5.298726614	6.60499489	-1.306268276	0.012885
peak_43798	chr6	21277755	21278209	100292	Intergenic	NM_001082841	znf326	4.694347495	6.000641241	-1.306293746	0.032187
peak_43955	chr13	14321226	14321575	27137	intron (NM_001123058, intron 1 of 9)	NM_001123058	gfra4a	4.341201883	5.647519551	-1.306317668	0.032745
peak_29123	chr17	37879664	37880439	66900	Intergenic	NM_001076673	tmem229b	6.536404769	7.843004169	-1.3065994	0.001571
peak_42444	chr15	32714520	32715094	88784	Intergenic	NM_152974	mab21l1	4.948094724	6.254861287	-1.306766563	0.026213
peak_32356	chr16	58736007	58736604	-26330	intron (NM_214733, intron 4 of 8)	NM_001083575	eomesb	5.593418071	6.900333554	-1.306915483	0.003747
peak_32247	chr15	31249166	31249682	91069	Intergenic	NM_001110394	brca2	5.432311954	6.739578626	-1.307266672	0.00364
peak_38766	chr3	60312145	60312520	6440	intron (NM_213461, intron 1 of 5)	NM_213461	arhgdia	3.727139892	5.034426023	-1.30728613	0.014649
peak_31816	chr1	12433477	12434364	-278048	Intergenic	NM_001115058	pcdh18a	6.328915131	7.636255544	-1.307340413	0.003281
peak_33908	chr22	40047807	40048550	158922	Intergenic	NM_001003462	trim35-36	6.679359557	7.986703873	-1.307344316	0.005422
peak_37559	chr1	23445157	23445526	31118	Intergenic	NM_200771	zgc:73273	3.60023239	4.907652238	-1.307419848	0.011767
peak_36855	chr10	33706018	33706491	68374	intron (NM_001020518, intron 1 of 6)	NM_001020518	ppm1e	5.231127147	6.538694107	-1.307566961	0.010245
peak_31315	chr9	42940105	42940812	-47044	Intergenic	NM_001039630	col18a1	6.661380732	7.96931922	-1.307938488	0.002857
peak_33070	chr23	46313754	46315955	52097	Intergenic	NM_001030096	tgm1l4	7.275041226	8.582983131	-1.307941905	0.004471
peak_38422	chr13	1920515	1921004	-80596	Intergenic	NM_001079868	hcrtr2	4.597510523	5.905482757	-1.307972233	0.013837
peak_40585	chr21	21700508	21700836	27541	Intergenic	NM_200193	chek1	4.322578924	5.630642321	-1.308063396	0.019908
peak_30046	chr7	35243599	35244561	51981	Intergenic	NM_001130652	skor1a	6.7391625	8.047376811	-1.308214311	0.00205
peak_29117	chr18	17013229	17013712	45000	intron (NM_001039460, intron 1 of 8)	NM_001039460	zfpm1	5.776623881	7.085218066	-1.308594185	0.001567
peak_30264	chr9	667339	667866	-29889	Intergenic	NM_212594_1	ybey	5.618747835	6.92741365	-1.308665815	0.002177
peak_35367	chr24	43527890	43528540	49569	intron (NM_001034986, intron 46 of 52)	NM_001007435	arhgap28	5.40501031	6.713745359	-1.308735048	0.007444
peak_37355	chr8	15716527	15717099	-37532	Intergenic	NM_001113620	bcar3	6.365168054	7.673931072	-1.308763018	0.01133
peak_43949	chr14	47829128	47829956	-35609	intron (NM_001076572, intron 1 of 9)	NM_001076624	rnf44	2.809602052	4.118579385	-1.308977332	0.032724
peak_28935	chr9	58170679	58173147	8065	intron (NM_001003944, intron 5 of 11)	NM_001003944	actr3	7.009245597	8.318233687	-1.30898809	0.001483
peak_35915	chr13	49455703	49456153	-53331	Intergenic	NM_182860	msh6	5.31265569	6.621674189	-1.309018499	0.008383
peak_27137	chr11	15975104	15977912	1137	intron (NM_212975, intron 1 of 2)	NM_212975	gdf11	8.746919714	10.05600748	-1.309087762	0.000814
peak_34462	chr23	17442707	17443181	51208	intron (NM_001080652, intron 2 of 7)	NM_001080652	zgc:158791	4.615612369	5.924932284	-1.309319916	0.006139
peak_38963	chr23	39003112	39003616	-42704	Intergenic	NM_001080609	sall4	4.856023615	6.165391781	-1.309368166	0.015166
peak_30678	chr6	51135155	51135705	389364	Intergenic	NM_001130610	rbl1	5.741207085	7.050587796	-1.309380711	0.002413
peak_41340	chr23	37030803	37031206	-51013	Intergenic	NM_001089535	ube2j2	4.433868301	5.743390839	-1.309522539	0.022429
peak_39593	chr3	61363805	61364451	7006	intron (NM_001020529, intron 1 of 10)	NM_001020529	tsen54	6.742463591	8.052006241	-1.30954265	0.016863
peak_38395	chr16	8459433	8459862	53697	Intergenic	NM_200373	sri	4.036020788	5.345876926	-1.309856137	0.013773
peak_29730	chr11	3823637	3824275	98687	Intergenic	NM_131233	gata2a	6.999808173	8.309746784	-1.309938611	0.001876
peak_41200	chr15	38432868	38433316	175768	Intergenic	NM_173232	rps5	4.720435069	6.030837449	-1.31040238	0.022016
peak_38179	chr19	49456440	49457471	46839	intron (NM_001040330, intron 2 of 8)	NM_001007456	cdca8	4.781851545	6.092268854	-1.310417309	0.013217
peak_35576	chr5	2934173	2935035	136142	Intergenic	NM_201167	hpda	5.902426009	7.21297219	-1.310546181	0.007801
peak_40274	chr22	21655325	21655772	16177	intron (NM_001044973, intron 2 of 12)	NM_001044973	shc2	4.518967649	5.829551431	-1.310583782	0.018856
peak_39433	chr3	12271748	12272326	-24649	intron (NM_001042778, intron 9 of 11)	NM_001076757	pdgfab	4.566244234	5.877025988	-1.310781753	0.016399
peak_39449	chr7	56827711	56828048	-24888	intron (NM_001080641, intron 13 of 14)	NM_200668	aprt	4.672047571	5.982918309	-1.310870738	0.016425
peak_32905	chr16	21657511	21658290	242	intron (NM_001199766, intron 1 of 4)	NM_001199766	macc1	6.216679755	7.527732785	-1.31105303	0.00429
peak_33441	chr21	7969768	7970567	42935	Intergenic	NM_001045299	crb2a	5.452565264	6.763974611	-1.311409347	0.004867
peak_36860	chr9	24366349	24366658	25323	Intergenic	NM_213248	arl4cb	4.364932445	5.676441923	-1.311509478	0.010267
peak_31631	chr19	2545670	2546790	-85	promoter-TSS (NM_213241)	NM_213241	sp8a	7.643866829	8.955494067	-1.311627238	0.003105
peak_29395	chr21	22567909	22568661	17204	intron (NM_199635, intron 2 of 4)	NM_199635	zbtb16a	5.99343799	7.30507943	-1.311641439	0.001704
peak_37696	chr25	694315	694624	39995	intron (NM_001098393, intron 1 of 7)	NM_001098393	zgc:162740	3.395609492	4.707459767	-1.311850275	0.012028
peak_36834	chr5	5300623	5300886	-89115	Intergenic	NM_001076606	mvb12ba	4.310441227	5.622362089	-1.311920862	0.010191
peak_35557	chr11	26740891	26741373	22135	intron (NM_130938, intron 1 of 7)	NM_130938	skib	5.439452212	6.751385529	-1.311933317	0.007769
peak_35708	chr5	6522602	6523093	10397	Intergenic	NM_001013333	zgc:110796	5.716259173	7.028398546	-1.312139373	0.008041
peak_42213	chr14	3144720	3145256	-8618	Intergenic	NM_131590	cd74a	4.55506453	5.867329057	-1.312264527	0.025362
peak_29441	chr7	57151006	57153103	-209799	Intergenic	NM_212606	cdh15	8.934440484	10.24674051	-1.312300026	0.001725
peak_35092	chr16	18524721	18525032	-53575	Intergenic	NM_001003589	ccdc12	4.761684263	6.074284444	-1.312600181	0.007019
peak_42367	chr3	16369229	16369618	11481	exon (NM_001004657, exon 6 of 8)	NM_001004657	aspdh	4.911993843	6.224645167	-1.312651324	0.025901
peak_35384	chr19	49572229	49572702	-18642	intron (NM_001040330, intron 2 of 8)	NM_001252559	ago4	4.706187427	6.019008313	-1.312820886	0.007471
peak_40822	chr5	32906292	32907057	-81868	Intergenic	NM_001014339	camkk1	6.037714633	7.350538684	-1.312824051	0.020634
peak_37433	chr20	41262070	41262599	461338	Intergenic	NM_001100023	si:dkey-233p4.1	4.698587205	6.01158977	-1.313002565	0.011511
peak_38669	chr13	49834223	49834663	-108590	Intergenic	NM_001003463	ntpcr	4.539967071	5.853112848	-1.313145777	0.014357
peak_39180	chr7	54712287	54712664	-63983	Intergenic	NM_131291	fgf3	4.267574237	5.580740874	-1.313166636	0.015777
peak_43627	chr7	3412697	3413855	-367109	Intergenic	NM_199814	zgc:66473	5.576904302	6.890079652	-1.313175351	0.03135
peak_35660	chr14	8099364	8099895	-48954	Intergenic	NM_001002626	zgc:92242	4.998605159	6.311882572	-1.313277414	0.007949
peak_32967	chr18	36524865	36525655	-96	promoter-TSS (NM_001099255)	NM_001099255	si:dkeyp-86e4.1	5.341744134	6.655190307	-1.313446173	0.004368
peak_35634	chr5	19274826	19275113	-284018	Intergenic	NM_001100015	chfr	4.609320918	5.922796355	-1.313475437	0.007898
peak_30017	chr21	4083188	4083887	16445	Intergenic	NM_001045370	st6galnac4	6.890027219	8.203521803	-1.313494584	0.002034
peak_39886	chr21	22357657	22357944	-196256	Intergenic	NM_200141	zw10	3.758438756	5.071970259	-1.313531503	0.017661
peak_36424	chr14	13095139	13095722	-165	promoter-TSS (NM_198360)	NM_198360	gria3b	6.015736251	7.329361122	-1.313624871	0.009392
peak_28581	chr9	6746000	6746740	-43685	Intergenic	NM_131150	pou3f3a	6.447535877	7.761195775	-1.313659898	0.001323
peak_40727	chr25	750397	751454	96451	intron (NM_001098393, intron 2 of 7)	NM_001098393	zgc:162740	5.225227423	6.538967878	-1.313740455	0.020322
peak_32091	chr20	51649725	51650731	136	intron (NM_001103144, intron 1 of 2)	NM_001103144	tmem151b	6.998261256	8.312155699	-1.313894443	0.0035
peak_39564	chr6	57698191	57698403	-93193	Intergenic	NM_001076592	zgc:153702	3.920004586	5.233944987	-1.313940401	0.016794
peak_33837	chr16	43345203	43345665	103660	Intergenic	NM_001002075	ccne2	5.556439486	6.870396467	-1.313956981	0.005302
peak_33701	chr13	20105246	20105867	-177115	Intergenic	NM_001002536	fam204a	6.173362868	7.487387877	-1.314025009	0.005145
peak_39750	chr1	4127560	4128116	-45411	Intergenic	NM_001003842	spry2	6.000706918	7.314803399	-1.314096481	0.01725
peak_30583	chr4	7550824	7551746	3314	intron (NM_130937, intron 2 of 5)	NM_001015043	fbxl14b	6.015056485	7.329187663	-1.314131178	0.002357
peak_42432	chr25	34167193	34167625	-86978	Intergenic	NM_001089422	zgc:162595	4.775396789	6.089646721	-1.314249932	0.026144
peak_32733	chr19	47728085	47728734	39312	intron (NM_200836, intron 7 of 12)	NM_200836	cap2	6.051058865	7.365332557	-1.314273692	0.004117
peak_30954	chr7	9347497	9348245	-2123	intron (NM_001020496, intron 1 of 4)	NM_001110408	zgc:172260	5.813125692	7.127508068	-1.314382376	0.002592
peak_32173	chr10	33363632	33364315	85122	intron (NM_201069, intron 8 of 14)	NM_201069	uvrag	6.844355027	8.158744297	-1.314389269	0.003565

peak_29963	chr11	7733664	7734599	-177759	Intergenic	NM_213367	eltd1	6.788231132	8.102627989	-1.314396857	0.002007
peak_40465	chr19	46685336	46685680	-181223	Intergenic	NM_001083814	ptpro	4.17667448	5.491106663	-1.314432183	0.019475
peak_29429	chr24	25362971	25363435	28284	intron (NM_001168263, intron 1 of 12)	NM_001008578	mtfr1	5.819002087	7.133451999	-1.314449912	0.00172
peak_40945	chr11	35581468	35581741	45388	Intergenic	NM_001079988	fam212aa	4.388278976	5.702781373	-1.314502396	0.021106
peak_34389	chr9	6746840	6747318	-44394	Intergenic	NM_131150	pou3f3a	4.420523517	5.735139929	-1.314616411	0.006032
peak_32549	chr4	24571355	24571797	961	intron (NM_213397, intron 1 of 16)	NM_213397	pfkfb3	5.939143388	7.253833271	-1.314689883	0.003936
peak_39530	chr18	37190133	37190523	-1984	Intergenic	NM_200573	onecut1	4.670271331	5.985073703	-1.314802372	0.016704
peak_35601	chr2	52986310	52986804	28015	intron (NM_001045238, intron 4 of 13)	NM_001045238	zgc:136336	5.410706818	6.725634056	-1.314927238	0.007844
peak_27248	chr20	30805649	30806323	77510	Intergenic	NM_212997	acbd3	7.922533586	9.237730846	-1.31519726	0.000847
peak_40895	chr17	18578920	18579311	48261	Intergenic	NM_213385	vrk1	4.31265569	5.628033026	-1.315377336	0.020909
peak_32880	chr10	677207	677690	-6	promoter-TSS (NM_001080607)	NM_001080607	glis3	5.031322327	6.346732211	-1.315409884	0.004257
peak_33236	chr21	28026678	28027199	-95688	intron (NM_001099254, intron 3 of 8)	NM_001001846	pura	5.298726614	6.614204128	-1.315477514	0.004634
peak_42126	chr4	41522784	41523062	-141079	Intergenic	NM_001115112	zgc:174698	3.401863281	4.717452662	-1.315589382	0.025088
peak_34238	chr22	40123828	40124568	211486	Intergenic	NM_213118	sox2	6.13718207	7.452824283	-1.315642213	0.005823
peak_27650	chr16	35731369	35732560	-174813	Intergenic	NM_131161	pou3f1	7.372397726	8.688128317	-1.315730591	0.000975
peak_33482	chr17	53564447	53564817	-12235	Intergenic	NM_001076722	zgc:154061	4.955240826	6.271022346	-1.31578152	0.004901
peak_30009	chr12	39598121	39598839	492170	Intergenic	NM_001110169	zgc:171957	6.470337166	7.78613884	-1.315801674	0.002029
peak_32572	chr10	5416573	5417031	-843	promoter-TSS (NM_001004120)	NM_001004120	nfil3	5.329735386	6.645635927	-1.315900541	0.003953
peak_31778	chr2	543476	543955	-133437	Intergenic	NM_212920	wrnip1	6.182187941	7.4982385	-1.316050559	0.00325
peak_31803	chr12	42643753	42644815	-485459	Intergenic	NM_212880	zgc:76887	6.839530181	8.155618028	-1.316087847	0.003265
peak_35050	chr13	31830911	31831470	3600	Intergenic	NM_201105	six6a	6.035685691	7.351775772	-1.316090081	0.006943
peak_41153	chr11	42367598	42367859	3987	Intergenic	NM_131325	pax7a	4.445014594	5.761163503	-1.316148909	0.021834
peak_34140	chr21	40125552	40126312	93604	Intergenic	NM_200873	hmp19	4.668543337	5.984752432	-1.316209094	0.005693
peak_38980	chr19	48910397	48910777	-47904	Intergenic	NM_131813	angpt1	4.771377205	6.087623347	-1.316246142	0.015221
peak_31719	chr25	31038298	31038723	-82167	Intergenic	NM_199540	api5	5.151498006	6.467943757	-1.316445751	0.003189
peak_37057	chr23	6566	6950	103265	Intergenic	NM_130985	twist3	4.616508912	5.932978015	-1.316469103	0.010676
peak_38218	chr16	11675806	11676032	-10015	Intergenic	NM_200466	ptpn2a	4.074449378	5.390938744	-1.316489366	0.013319
peak_38594	chr9	58071953	58072674	-7692	Intergenic	NM_001077788	rab3gap1	4.948136274	6.264647655	-1.316511381	0.014211
peak_28655	chr17	16321384	16322378	56921	intron (NM_001017812, intron 5 of 5)	NM_001017812	efcab11	6.319570119	7.636464608	-1.316894489	0.001352
peak_28866	chr3	9093783	9094952	-226	promoter-TSS (NM_131836_1)	NM_131836_1	sim2	6.378503906	7.695473255	-1.316969348	0.00145
peak_39981	chr4	1187425	1187757	-15293	Intergenic	NM_178301	chrm2a	3.855979326	5.172988656	-1.31700933	0.017984
peak_39753	chr24	40870782	40871130	-108838	Intergenic	NM_001037114	nubp2	3.585656064	4.902667064	-1.317010999	0.017254
peak_42338	chr20	47276663	47277067	25026	intron (NM_001018134, intron 3 of 19)	NM_001018134	dnmt3aa	4.011613085	5.328694643	-1.317081558	0.025769
peak_31662	chr19	34692818	34693232	41920	Intergenic	NM_001083083	nkd3l	5.408637962	6.725856577	-1.317218615	0.003137
peak_27494	chr11	30439585	30440597	-7150	Intergenic	NM_001114908		9.034396238	10.35171679	-1.317320555	0.000925
peak_35101	chr16	4845697	4846208	203687	Intergenic	NM_131408	vegfaa	5.652897542	6.97032241	-1.317424867	0.007038
peak_27929	chr2	37517239	37518585	-18644	Intergenic	NM_001076578	sdr39u1	7.161857845	8.47930892	-1.317451075	0.00108
peak_30855	chr7	23428961	23430227	-46028	Intergenic	NM_001017620_1	tmem256	7.233294979	8.550762941	-1.317467963	0.00253
peak_32737	chr18	40887148	40887698	-87452	Intergenic	NM_199804	cntn5	5.118261731	6.43581609	-1.317554359	0.004124
peak_28147	chr5	38280779	38281742	-12792	Intergenic	NM_130958	dlb	7.072836253	8.390449862	-1.317613609	0.001157
peak_33620	chr10	10916462	10917056	-21932	Intergenic	NM_001109826	cdc37l1	4.881650491	6.199331719	-1.317681228	0.005049
peak_43620	chr21	689888	690242	-62363	Intergenic	NM_001113483	klf4	4.334678924	5.652525415	-1.317846491	0.031306
peak_31843	chr5	19842917	19843411	141980	Intergenic	NM_178304	zdhhc8b	5.798956163	7.116875757	-1.317919593	0.003308
peak_37029	chr21	42784632	42785012	121897	Intergenic	NM_001105278	fgf1b	4.556879349	5.874842365	-1.317963016	0.010626
peak_31074	chr1	11003677	11004363	27221	intron (NM_001037387, intron 3 of 14)	NM_001037387	ttyh3b	6.896326834	8.214435317	-1.318108483	0.002666
peak_35043	chr12	1141141	1141550	45768	Intergenic	NM_212695	kdelr2b	5.03669075	6.354956923	-1.318266173	0.006935
peak_33350	chr14	45957361	45958010	-97825	Intergenic	NM_200975	gar1	5.665081128	6.983391221	-1.318310093	0.004766
peak_40369	chr20	27454403	27454712	19072	Intergenic	NR_030115		4.074449378	5.392760926	-1.318311548	0.019135
peak_30660	chr5	5197787	5198549	13471	intron (NM_001076606, intron 1 of 4)	NM_001076606	mvb12ba	6.214591644	7.53305846	-1.318466816	0.002404
peak_31727	chr18	42307146	42307897	87287	intron (NM_001005575, intron 4 of 8)	NM_001005575	bcl9l	5.715865321	7.034442626	-1.318577305	0.003197
peak_33725	chr2	20013683	20014056	-227697	Intergenic	NM_001172653	agla	4.722150645	6.040810711	-1.318660066	0.005177
peak_32412	chr10	34030534	34030936	-95918	Intergenic	NM_001017871	myl10	4.744515468	6.063219887	-1.318704419	0.0038
peak_37682	chr21	2375605	2375855	16805	intron (NM_001014292, intron 13 of 18)	NM_001014292	hmgcrb	3.914183006	5.2331602	-1.318977194	0.012002
peak_38686	chr11	9174306	9174749	526118	Intergenic	NM_001020583	tbl1xr1a	4.953071725	6.272144612	-1.319072888	0.0144
peak_40991	chr2	44427183	44427631	17435	Intergenic	NM_001076655	zgc:152670	5.511275524	6.830365069	-1.319089545	0.02125
peak_34986	chr16	9791875	9792200	-148956	Intergenic	NM_213342	ddc	4.388278976	5.707459767	-1.319180791	0.006847
peak_35060	chr8	55437910	55438231	13528	Intergenic	NR_045219		4.654644367	5.973920641	-1.319276274	0.00696
peak_35741	chr7	35808841	35809305	5317	Intergenic	NM_131267	irx3a	5.590227006	6.909671672	-1.319444665	0.008112
peak_43151	chr21	40189927	40190342	29402	intron (NM_200873, intron 3 of 4)	NM_200873	hmp19	4.695146922	6.014607333	-1.319460411	0.029294
peak_26288	chr5	75627130	75629954	43193	Intergenic	NM_200686	mtfp1	7.894757202	9.214270384	-1.319513182	0.000608
peak_32939	chr19	42443686	42444364	57	promoter-TSS (NM_131306)	NM_131306	dlx5a	6.166627479	7.486259005	-1.319631526	0.004338
peak_40140	chr13	49846372	49847013	-120839	Intergenic	NM_001003463	ntpcr	4.334678924	5.654590845	-1.31991192	0.01843
peak_29725	chr13	44040148	44040792	11010	Intergenic	NM_001077794	dact2	6.273604439	7.593538338	-1.319933899	0.001872
peak_35472	chr6	46998924	46999233	-120654	Intergenic	NM_001014317	igfn1.1	4.058703696	5.378641066	-1.31993737	0.007604
peak_29499	chr5	9793733	9794423	-9834	Intergenic	NM_201339_1	tal2	7.074468411	8.394640837	-1.320172426	0.001758
peak_29054	chr5	5232300	5233179	-21100	Intergenic	NM_001076606	mvb12ba	6.833759465	8.15403893	-1.320279465	0.001536
peak_40225	chr5	36729048	36729292	89411	Intergenic	NM_001020781	fcho2	3.676353226	4.996659702	-1.320306476	0.018685
peak_27313	chr18	22132846	22133409	61914	Intergenic	NM_200689	tmem170a	6.823873317	8.144341503	-1.320468187	0.000865
peak_42637	chr14	32056767	32057097	-35905	Intergenic	NM_131860	gpc4	4.034679932	5.355183851	-1.320503919	0.027001
peak_33303	chr22	393228	393882	-6932	Intergenic	NM_001243164	necap2	4.822913981	6.14345195	-1.32053797	0.004702
peak_33352	chr19	40061987	40062613	91344	Intergenic	NM_212579	col9a2	5.185799053	6.506455039	-1.320655986	0.004767
peak_37617	chr8	52076396	52076992	49459	Intergenic	NM_200180	rmi1	5.313793896	6.634455952	-1.320662057	0.011878
peak_35781	chr2	839770	840424	30297	Intergenic	NM_131728	foxc1a	5.829910731	7.150920836	-1.321010105	0.008175
peak_32073	chr15	10697243	10697720	162916	intron (NM_130969, intron 3 of 31)	NM_130969	odz4	5.372912903	6.693932528	-1.321019624	0.00349
peak_40941	chr11	20842355	20842754	95886	intron (NM_131086, intron 2 of 16)	NM_131086	cdh4	4.429734144	5.750878831	-1.321144687	0.0211
peak_26848	chr6	57883329	57884850	171185	intron (NM_212908, intron 2 of 6)	NM_212908	tox2	8.608565878	9.929736852	-1.321170973	0.00074
peak_42423	chr25	24817133	24817516	-19485	Intergenic	NM_131149	th	3.453067239	4.774317005	-1.321249766	0.026123
peak_32358	chr3	35833882	35834400	-63204	Intergenic	NM_001017817	crlf3	6.376902072	7.698273834	-1.321371761	0.003747
peak_39334	chr3	36204960	36205213	4345	intron (NM_199583, intron 1 of 8)	NM_199583	csnk1da	3.676353226	4.99787101	-1.321517784	0.016142
peak_32147	chr11	45525594	45526231	-32622	intron (NM_001015069_1, intron 3 of 3)	NM_001002698	tomm20b	5.742052865	7.063643941	-1.321591076	0.003537
peak_28401	chr19	49186428	49186983	-4234	Intergenic	NM_173223	sdc2	6.106485105	7.428102381	-1.321617276	0.001248
peak_29520	chr5	16740851	16741488	-166167	Intergenic	NM_183339	tbx1	6.48023592	7.801891262	-1.321655342	0.001768
peak_40723	chr3	17826297	17826984	47033	Intergenic	NM_200116	zgc:56719	5.149021604	6.470792381	-1.321770777	0.020303
peak_35390	chr11	36318032	36318583	113073	Intergenic	NM_200450	camkvb	5.275041226	6.596829589	-1.321788363	0.00748
peak_27474	chr16	42962675	42963393	-4557	Intergenic	NM_001017358	rspo3	7.518481096	8.840284006	-1.32180291	0.000916
peak_28483	chr24	40253975	40254779	46526	intron (NM_001037415, intron 3 of 7)	NM_001037415	ntn2	5.787833233	7.109694924	-1.32186169	0.001281
peak_38927	chr23	17562574	17562867	4647	intron (NM_001076672, intron 2 of 7)	NM_001076672	ptk6b	4.533280767	5.855217605	-1.321936838	0.015066
peak_38027	chr21	3306155	3306488	-106380	Intergenic	NM_213302	hnrnpabb	4.62366127	5.945912671	-1.322251401	0.012825
peak_30388	chr2	47579407	47581497	-646	promoter-TSS (NM_131277)	NM_131277	pax3a	8.801520715	10.12383599	-1.322315273	0.002241
peak_39773	chr18	13383964	13384417	476681	Intergenic	NM_001089503	mlycd	4.739586052	6.061923651	-1.322337599	0.017326
peak_31714	chr5	20003947	20004877	303228	Intergenic	NM_178304	zdhhc8b	6.176388249	7.498783755	-1.322395506	0.003185
peak_41281	chr7	36964447	36964686	6188	Intergenic	NM_001023575	irx6a	3.86204007	5.184448719	-1.32240865	0.022263
peak_35128	chr6	43178604	43179504	13354	Intergenic	NM_001006096	arl6ip5a	5.127762088	6.450238752	-1.322476663	0.007083
peak_39309	chr13	17236803	17237066	276401	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	3.030649868	4.353192166	-1.322542298	0.0161
peak_38189	chr4	27574975	27575516	88728	Intergenic	NM_001020599	trmu	5.134662696	6.457429563	-1.322766867	0.013245
peak_28991	chr14	35352790	35353525	11827	intron (NM_205598, intron 2 of 15)	NM_205598	gria1a	5.805676777	7.128501337	-1.322824559	0.001507
peak_29392	chr1	12160198	12161022	-4738	Intergenic	NM_001115058	pcdh18a	6.109354031	7.432250353	-1.322896322	0.001703
peak_41686	chr7	47935693	47936155	306331	Intergenic	NM_130995	ccne1	4.836873713	6.159770248	-1.322896535	0.023591
peak_25748	chr19	49716728	49718737	25145	intron (NM_001040330, intron 2 of 8)	NM_001001889	ctnnb2	8.613474293	9.936402424	-1.32292813	0.000505
peak_29760	chr1	21956067	21956687	86286	Intergenic	NM_001089491	rfc1	6.473818841	7.796825652	-1.323006811	0.001894
peak_27979	chr24	23029987	23030630	-318805	Intergenic	NM_131572	dap	6.003773875	7.326849004	-1.32307513	0.001098
peak_28379	chr8	54455439	54457235	52377	intron (NM_131296, intron 3 of 12)	NM_131296	tcf7l1b	7.032172261	8.355304263	-1.323132002	0.00124
peak_39358	chr11	14860120	14860466	158973	Intergenic	NM_212764	zgc:55741	4.324774849	5.647950001	-1.323175152	0.016213
peak_28111	chr3	19786377	19787377	102	5' UTR (NM_001045364, exon 1 of 5)	NM_001045364	rnd2	7.416403446	8.739614812	-1.323211366	0.001146
peak_36341	chr10	9312949	9313175	101	5' UTR (NM_001030148, exon 1 of 8)	NM_001030148	paqr3b	4.329220506	5.652617892	-1.323397387	0.009214

peak_41885	chr20	22812828	22813240	26867	intron (NM_001013564, intron 2 of 5)	NM_001013564	scfd2	5.089454771	6.413048642	-1.323593871	0.024279
peak_39195	chr16	22777817	22778219	-45155	Intergenic	NM_001008631	jazf1b	5.511757485	6.835401297	-1.323643812	0.015803
peak_38284	chr1	1304329	1304970	4805	intron (NM_001082942, intron 1 of 4)	NM_001082942	urp2	5.513683722	6.837537782	-1.32385406	0.013473
peak_32943	chr7	52769941	52770348	5801	TTS (NM_001017840)	NM_001017840	rasl11a	5.669864721	6.993884699	-1.324019978	0.004342
peak_38477	chr3	15826015	15826777	21238	intron (NM_001002652, intron 2 of 12)	NM_001002652	cacnb1	5.198463301	6.522485182	-1.324021881	0.01394
peak_26795	chr15	35085971	35086562	-114668	Intergenic	NM_001017614	rhbdd1	7.010961207	8.334984477	-1.324023269	0.000728
peak_32866	chr17	36422240	36422612	274108	Intergenic	NM_001007331	colec11	4.30822336	5.63240748	-1.32418412	0.004245
peak_37068	chr18	1326133	1326638	-128396	Intergenic	NM_198912	pepd	4.701970026	6.026199539	-1.324229514	0.01071
peak_38829	chr14	50262643	50263035	-12318	Intergenic	NM_001031842	fstl5	4.807248169	6.13153341	-1.324285241	0.014825
peak_33875	chr25	1830698	1831132	19762	exon (NM_131042_1, exon 8 of 16)	NM_131042_1	fbln1	6.038383808	7.362844394	-1.324460585	0.005367
peak_37912	chr24	11915394	11915636	57369	intron (NM_199587, intron 3 of 9)	NM_199587	lztfl1	4.273336808	5.597868649	-1.324531841	0.012549
peak_28848	chr22	19928660	19929181	-29718	Intergenic	NM_199573	rgmd	6.463348508	7.787938145	-1.324589637	0.001442
peak_26393	chr11	33526330	33527487	8593	intron (NM_001160822, intron 1 of 3)	NM_001160822	pcdh17	7.94649652	9.271133132	-1.324636611	0.000631
peak_34168	chr5	65103241	65103538	43013	Intergenic	NM_178287	sepw1	4.414350268	5.738998349	-1.324648081	0.005721
peak_31498	chr3	23659359	23660135	93448	Intergenic	NM_205716	casc3	8.06289334	9.387598385	-1.324705045	0.002992
peak_35436	chr19	39460719	39461130	54087	intron (NM_001002733, intron 1 of 1)	NM_001002733	nxph1	5.110645842	6.435362823	-1.324716981	0.007552
peak_30411	chr14	166877	168580	-1308	Intergenic	NM_131273	msxe	7.522453639	8.84727797	-1.324824331	0.002259
peak_29824	chr11	10962115	10962688	-47539	Intergenic	NM_001083573	psmd14	7.213555096	8.538401113	-1.324846017	0.001927
peak_30477	chr17	52733973	52734631	-113857	Intergenic	NM_194386	tgfb3	6.118913033	7.443761072	-1.324848039	0.002301
peak_35789	chr23	2822966	2823366	21145	exon (NM_194407, exon 3 of 30)	NM_194407	plcg1	4.675493122	6.000342154	-1.324849032	0.008191
peak_38478	chr6	25544255	25544574	143172	Intergenic	NM_212689	lmo4b	3.639677051	4.964541297	-1.324864247	0.01394
peak_39622	chr13	11654542	11654890	-14390	Intergenic	NM_001278854	trim8a	4.514164879	5.839043098	-1.324878218	0.016937
peak_34435	chr25	696053	696467	41786	intron (NM_001098393, intron 1 of 7)	NM_001098393	zgc:162740	5.001353433	6.326327997	-1.324974564	0.006101
peak_31965	chr14	50330482	50331891	-80665	Intergenic	NM_001031842	fstl5	7.61752992	8.942587421	-1.325057501	0.003398
peak_28840	chr10	43625942	43626532	36777	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	7.463722203	8.788819531	-1.325097328	0.001433
peak_33391	chr25	7205669	7206109	401697	Intergenic	NM_001122855	snx33	5.118894578	6.444013115	-1.325118537	0.004808
peak_31830	chr23	25985194	25985678	-10708	Intergenic	NM_001003541	rbms2b	5.972871053	7.298213597	-1.325342544	0.003292
peak_35673	chr12	68021	68425	55126	Intergenic	NM_001089421	map2k4b	4.252657886	5.578002654	-1.325344768	0.007975
peak_38061	chr19	35135529	35135905	69093	intron (NM_001076776, intron 5 of 10)	NM_001076776	runx1t1	3.48887231	4.814290468	-1.325418158	0.012912
peak_38666	chr11	42982163	42982544	-23052	Intergenic	NM_001017657	mrto4	5.267607534	6.593062466	-1.325454932	0.014351
peak_39672	chr7	50915093	50915426	192931	Intergenic	NM_001020629	hrasb	4.483910808	5.80962028	-1.325709471	0.017049
peak_38815	chr9	7187037	7187496	-56447	Intergenic	NM_001161497	coa5	4.863595343	6.189320641	-1.325725298	0.014805
peak_37798	chr20	17813020	17813314	27146	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	4.123353545	5.449119517	-1.325765972	0.01228
peak_43296	chr13	49992537	49992925	130434	Intergenic	NM_001142263	disc1	3.947423891	5.273294537	-1.325870646	0.029964
peak_34243	chr17	22103746	22104222	-107279	Intergenic	NM_001039144	slc8a1b	4.842248838	6.168163471	-1.325914633	0.005831
peak_37464	chr3	8984365	8984708	109605	Intergenic	NM_131836_1	sim2	4.534285299	5.860211806	-1.325926507	0.011598
peak_35514	chr6	18009722	18010196	11141	intron (NM_131029, intron 1 of 5)	NM_131029	ntn1a	5.093324086	6.419367238	-1.326043152	0.007698
peak_43175	chr12	44589022	44589269	187543	Intergenic	NM_001110011_1	dock1	4.148365674	5.474462767	-1.326097093	0.029427
peak_36574	chr17	53468205	53468456	35766	Intergenic	NM_131896_1	meis2a	4.157090365	5.483196344	-1.326105979	0.009688
peak_42439	chr2	49653203	49653556	51856	Intergenic	NM_001089323	abhd17aa	3.797003394	5.123164254	-1.32616086	0.026189
peak_30546	chr10	45694308	45694719	18611	Intergenic	NM_001163292	hcar1-1	5.544684847	6.871008872	-1.326324024	0.002335
peak_34806	chr11	41205256	41205661	-199544	Intergenic	NM_001002073	vamp3	4.669407593	5.995860939	-1.326453346	0.006562
peak_28547	chr21	3690964	3692185	-2205	Intergenic	NM_175082	smad7	7.921541713	9.24800044	-1.326458727	0.001309
peak_41030	chr17	6929889	6930151	58421	Intergenic	NM_001023572	zbtb24	3.814298329	5.14084334	-1.326545012	0.021419
peak_42676	chr15	3153990	3154475	-99546	Intergenic	NM_001045369	zgc:153184	4.874173177	6.200810265	-1.326637088	0.027204
peak_30065	chr19	48374042	48374518	-4051	exon (NM_001020745, exon 13 of 14)	NM_001045310	zgc:136572	5.486393692	6.813035288	-1.326641596	0.00206
peak_29557	chr3	16525086	16525476	-16977	Intergenic	NM_212672	atp6v0a1a	5.47306213	6.79990906	-1.32684693	0.001791
peak_39487	chr21	8409324	8409645	104094	Intergenic	NM_001076741	esm1	4.399781695	5.726670318	-1.326888623	0.016591
peak_42045	chr9	46376306	46376883	294622	Intergenic	NM_001099232	zgc:165571	5.320379652	6.647517701	-1.327138048	0.024803
peak_27395	chr7	27213266	27214052	64	promoter-TSS (NM_131846)	NM_131846	ache	7.637463956	8.964657727	-1.327193771	0.000892
peak_30609	chr17	42933424	42934096	4105	intron (NM_131422, intron 1 of 2)	NM_131422	nkx2.2a	6.435109625	7.762306471	-1.327196846	0.002373
peak_28686	chr10	41068375	41069029	-188748	Intergenic	NM_200744	smfn	5.725894197	7.053153069	-1.327258871	0.001363
peak_40866	chr1	42631793	42632246	-30217	Intergenic	NM_001159372	ctnna2	5.842248838	7.169514209	-1.327265371	0.020766
peak_29669	chr11	42368868	42369300	2631	TTS (NM_131326)	NM_131325	pax7a	5.148401839	6.475678142	-1.327276303	0.001846
peak_31435	chr10	17484681	17485686	473	TTS (NR_030127)	NR_030127		8.080916394	9.408229904	-1.32731351	0.002939
peak_34364	chr19	48825712	48826150	36752	intron (NM_131813, intron 1 of 8)	NM_131813	angpt1	4.564386956	5.892409284	-1.328022328	0.005997
peak_35095	chr20	39351421	39351788	6781	Intergenic	NM_001082896	si:dkey-217m5.3	4.360658081	5.688696371	-1.32803829	0.007024
peak_28227	chr12	45430918	45431768	-111881	Intergenic	NM_001110011	dock1	6.619865995	7.947960025	-1.32809403	0.001184
peak_43289	chr18	8250851	8251260	-26148	Intergenic	NM_001002177	impdh1a	4.235184756	5.563303642	-1.328118886	0.02994
peak_37352	chr6	3069463	3069775	-71769	Intergenic	NM_200355	st3gal3a	3.282403856	4.610568895	-1.328165039	0.011324
peak_33225	chr3	37303307	37303671	-160126	Intergenic	NM_001024223	mlx	4.495710279	5.824043789	-1.328333511	0.004627
peak_36300	chr21	36544604	36544963	-24956	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	4.344452335	5.672798366	-1.32834603	0.009128
peak_39697	chr17	43311959	43312576	160917	Intergenic	NM_001118892	plk4	5.387723304	6.71610677	-1.328383466	0.017141
peak_41218	chr9	32664481	32664902	-106308	intron (NM_001017549, intron 20 of 45)	NM_001173502	tmtc4	4.458077413	5.786541846	-1.328464433	0.022076
peak_39908	chr19	40886634	40886905	-99618	Intergenic	NM_213278	sfpq	4.025258877	5.353762645	-1.328503767	0.017726
peak_41284	chr8	34661134	34661625	-244373	Intergenic	NM_001136477	mvb12bb	4.411253709	5.739818285	-1.328564576	0.022268
peak_42351	chr7	33370941	33371443	-15892	Intergenic	NM_200239	kif18a	5.077057032	6.405691169	-1.328634137	0.025835
peak_34646	chr14	44286160	44286548	-122947	Intergenic	NM_001115099	pcdh18b	5.323160258	6.651827993	-1.328667736	0.006374
peak_43514	chr8	48550558	48550915	10275	intron (NM_001123308, intron 3 of 7)	NM_001123308	ogg1	4.021202373	5.349954941	-1.328752568	0.030823
peak_36409	chr12	39421345	39421882	-584098	Intergenic	NM_001040355	pmp22b	4.938088916	6.266973033	-1.328884117	0.009357
peak_33208	chr12	41230284	41231412	879447	Intergenic	NM_001099246	abca5	6.133115547	7.462136259	-1.329020713	0.004607
peak_36464	chr2	8447827	8448486	14522	TTS (NM_213144)	NM_213144	fubp1	5.134662696	6.463756969	-1.329094273	0.009473
peak_27288	chr19	36804014	36805560	105117	Intergenic	NM_001020633	ndufs5	7.488606071	8.817721368	-1.329115296	0.000857
peak_36631	chr23	24859981	24860319	-26222	Intergenic	NM_001005990	kansl2	5.588857244	6.917983062	-1.329125818	0.009804
peak_33410	chr5	6135303	6135904	135364	Intergenic	NM_205570	zgc:73226	5.831069809	7.160252867	-1.329183058	0.004833
peak_28481	chr20	26429274	26430043	5352	intron (NM_213415, intron 1 of 2)	NM_213415	zbtb2b	7.765522949	9.094710311	-1.329187362	0.00128
peak_33052	chr14	52896285	52896809	-219428	Intergenic	NM_199952	ube2d2l	5.920730635	7.250004716	-1.329274081	0.004452
peak_31282	chr25	17405331	17405687	-61454	Intergenic	NM_001089445	ccnd2a	4.92580277	6.255277286	-1.329474517	0.002834
peak_27284	chr20	48384211	48385513	-405	promoter-TSS (NM_001024665)	NM_001024665	tfap2b	7.578860545	8.908365753	-1.329505208	0.000856
peak_36160	chr14	32947535	32947961	55597	Intergenic	NM_001001837	zic6	4.186438186	5.51599138	-1.329553194	0.008862
peak_39592	chr22	27234923	27235128	2772	intron (NM_001244080, intron 2 of 20)	NM_001244080	capn8	3.275608918	4.605284897	-1.329675979	0.016859
peak_29130	chr9	8218379	8219076	-219855	Intergenic	NM_001109720	zgc:171776	5.837235881	7.166922421	-1.329686541	0.001573
peak_30248	chr11	39346112	39346819	-5539	Intergenic	NR_034195		7.135463017	8.46523644	-1.329773423	0.002167
peak_32500	chr1	18143044	18143470	1440	intron (NM_001114686, intron 1 of 6)	NM_001114686	rbm47	4.662479007	5.992406615	-1.329927608	0.003894
peak_39735	chr16	25110952	25111296	64886	Intergenic	NM_001003997	flad1	4.110608718	5.440631598	-1.330022879	0.017227
peak_26781	chr23	19227723	19228389	-4990	Intergenic	NM_200803	cox4i2	8.068323937	9.398614097	-1.33029016	0.000723
peak_32581	chr17	3951725	3952242	56781	intron (NM_001020655, intron 9 of 9)	NM_131359	bmp2a	4.662479007	5.99290462	-1.330425612	0.003957
peak_26567	chr9	48142009	48142970	-251376	Intergenic	NM_001126463	igfbp5a	7.86850123	9.198984008	-1.330482778	0.000667
peak_30761	chr11	29269315	29269863	174608	Intergenic	NM_001033094_1	ephb2b	5.181564593	6.512145609	-1.330581016	0.002462
peak_36217	chr24	40016267	40016695	-31791	Intergenic	NM_001077331	zgc:154125	4.188851241	5.519616837	-1.330765596	0.008947
peak_27983	chr5	27738332	27738917	-129	promoter-TSS (NM_001020763)	NM_001020763	fam219ab	6.962310563	8.293145399	-1.330834836	0.001099
peak_39545	chr18	41062900	41063395	114225	Intergenic	NM_001007388	ttc36	4.717930982	6.048861858	-1.330930876	0.016752
peak_33501	chr18	33191065	33191547	249560	Intergenic	NM_001045019	tiparp	4.917824246	6.248785935	-1.330961689	0.00492
peak_40104	chr5	16765160	16765425	-142044	Intergenic	NM_183339	tbx1	3.48887231	4.81998071	-1.3311084	0.018326
peak_34204	chr2	57583111	57583515	-31641	Intergenic	NM_001245962_1	sbno2a	4.585656064	5.916793819	-1.331137754	0.005778
peak_39668	chr7	10175230	10175460	68489	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	3.984090193	5.315583455	-1.331493262	0.017041
peak_34888	chr23	36173951	36174368	3877	intron (NM_001134685, intron 1 of 4)	NM_131144	hoxc5a	4.68663467	6.018189367	-1.331554697	0.006699
peak_38733	chr7	353484	354821	162508	intron (NM_001079984, intron 1 of 8)	NM_001079984_1	nrxn2b	6.93970168	8.271321546	-1.331619866	0.014545
peak_25406	chr3	16471761	16472935	10382	intron (NM_001077729, intron 2 of 7)	NM_001077729	zgc:153952	9.063103668	10.39473583	-1.331632165	0.00045
peak_43734	chr20	39951704	39951972	-137093	Intergenic	NM_001082853	rnf217	4.22346309	5.555199942	-1.331736852	0.031891
peak_38316	chr1	55652282	55652969	17983	Intergenic	NM_001145561	aftpha	5.157054417	6.488856394	-1.331801977	0.013547
peak_38691	chr14	43494529	43494850	74272	Intergenic	NM_001030213	afap1l1a	4.226989601	5.558966311	-1.331976711	0.014407
peak_30918	chr23	8566613	8567202	-102806	Intergenic	NM_205589	oprl1	5.656824927	6.988844603	-1.332019676	0.002564
peak_37475	chr7	38516754	38517154	-252483	Intergenic	NM_001146014	sall1a	4.969386766	6.30141061	-1.332023844	0.011619
peak_40892	chr6	22439893	22440288	-154793	Intergenic	NM_001098754	igfbp5b	3.947423891	5.279457757	-1.332033866	0.020897

peak_34316	chr3	38740048	38740458	170527	Intergenic	NM_001045132	si:dkey-106c17.2	4.85825509	6.190402726	-1.332147636	0.005928
peak_43827	chr7	8633698	8634202	-4498	Intergenic	NM_001113651	LOC100003911	3.529533336	4.861702171	-1.332168836	0.032293
peak_38039	chr15	40968083	40968420	-120509	Intergenic	NM_001017799	zgc:110333	3.95594936	5.288255041	-1.33230568	0.012858
peak_35790	chr9	54413097	54413435	-198272	Intergenic	NM_001017360	xrcc5	4.281273587	5.61360036	-1.332326773	0.008192
peak_33602	chr16	50674471	50674900	35111	Intergenic	NM_001013336	slc25a32b	5.47901846	6.811519717	-1.332501257	0.005028
peak_31401	chr9	21934918	21935582	47997	Intergenic	NM_198873	wdr3	4.981268198	6.313777051	-1.332508852	0.002914
peak_29453	chr17	7875995	7876498	-176279	Intergenic	NM_001017841	slc18b1	6.506660632	7.839373799	-1.332713166	0.001731
peak_43433	chr9	54265535	54266074	-50810	Intergenic	NM_001017360	xrcc5	3.561542232	4.894310019	-1.332767787	0.030554
peak_30422	chr2	31551775	31552275	118	exon (NM_001002416, exon 1 of 3)	NM_001002416	epdr1	6.180673271	7.513453845	-1.332780573	0.002265
peak_42841	chr6	19953933	19955203	3217	intron (NM_182866, intron 5 of 6)	NM_182866	glulb	5.422062711	6.755365702	-1.333302991	0.027842
peak_40628	chr15	25854998	25855283	20190	intron (NM_199811, intron 12 of 16)	NM_199811	rpa1	4.106785545	5.44012777	-1.333342225	0.020007
peak_32198	chr8	17877526	17877946	158110	Intergenic	NM_130935	skia	4.849130417	6.18253449	-1.333404073	0.003591
peak_34643	chr23	40923929	40924467	-113939	Intergenic	NM_199854	rnf146	5.409155454	6.742626184	-1.33347073	0.006372
peak_32794	chr6	32913917	32914642	139795	Intergenic	NM_001042687	pomgnt1	6.187041829	7.520572795	-1.333530966	0.004171
peak_31919	chr10	26242280	26242667	91386	Intergenic	NM_131294	sod1	4.522798387	5.856498744	-1.333700357	0.003362
peak_28603	chr16	42855278	42855868	-112018	Intergenic	NM_001017358	rspo3	7.023053159	8.356807384	-1.333754225	0.001334
peak_34170	chr15	39261338	39261919	70336	intron (NM_001077577, intron 1 of 2)	NM_001077577	fat3a	4.85521994	6.189014678	-1.333794738	0.005725
peak_28132	chr16	55248201	55248825	-124898	Intergenic	NM_001163294	col27a1a	8.394103342	9.727910138	-1.333806796	0.001153
peak_38953	chr19	48871952	48872274	-9430	Intergenic	NM_131813	angpt1	3.963015635	5.296930026	-1.333914391	0.015147
peak_30470	chr7	65255447	65255858	36330	Intergenic	NM_131287	sox17	5.046741819	6.380679714	-1.333937895	0.002294
peak_31496	chr16	42553095	42553526	-27673	Intergenic	NM_001076716	rbms3	4.642320587	5.976266725	-1.333946138	0.002988
peak_33731	chr15	5380328	5380791	-40761	Intergenic	NM_001159822	arrb1	4.919278172	6.253340124	-1.334061951	0.005185
peak_40900	chr8	52899197	52899509	-93333	Intergenic	NM_001002647	egr3	3.880158125	5.214278495	-1.334120369	0.020933
peak_29681	chr9	5528822	5529283	-166504	Intergenic	NM_001037685	abhd13	5.225815055	6.559977821	-1.334162767	0.001854
peak_33137	chr16	9100315	9101139	-106979	Intergenic	NM_001030206	ano10a	5.792600791	7.12687174	-1.334270949	0.004544
peak_36087	chr23	13549499	13550051	-166433	Intergenic	NR_030650		5.567635625	6.902000392	-1.334364766	0.008704
peak_28542	chr5	13726657	13727932	-49	promoter-TSS (NM_001144041)	NM_001144041	ksr2	6.581732563	7.916165351	-1.334432787	0.001306
peak_26202	chr2	59839141	59840846	-33268	intron (NM_212882_1, intron 8 of 9)	NM_001017839	stk11	8.771889069	10.10640126	-1.334512191	0.000591
peak_38575	chr7	43209743	43210254	-403641	Intergenic	NM_131063	shha	4.285789361	5.620346163	-1.334556801	0.014156
peak_30999	chr20	20523379	20524689	-32953	Intergenic	NM_131717	six4b	6.487633533	7.822443989	-1.334810456	0.002617
peak_36238	chr1	10732115	10732521	138303	Intergenic	NM_001040305	brat1	4.870376087	6.205288909	-1.334912823	0.009
peak_29564	chr23	43160613	43161158	20623	intron (NM_201008, intron 9 of 15)	NM_201008	pfkfb2a	5.640117977	6.975257068	-1.335139091	0.001793
peak_34061	chr22	32127732	32128328	148254	Intergenic	NM_207637	adra2a	4.797747928	6.13305661	-1.335308682	0.0056
peak_41551	chr11	40483857	40484241	-47487	Intergenic	NM_001040387	wnt4a	3.629054199	4.964493629	-1.335439429	0.023123
peak_41024	chr17	14093477	14093871	232933	Intergenic	NM_200482	jkamp	3.492783688	4.828279844	-1.335496156	0.021395
peak_42299	chr13	3325565	3325965	-157484	Intergenic	NM_001017635	park2	4.135913813	5.471413551	-1.335499737	0.025637
peak_42948	chr13	35598921	35599565	38430	intron (NM_131863, intron 18 of 25)	NM_131863	jag1b	5.222840154	6.558468369	-1.335628214	0.028355
peak_34912	chr12	50311484	50312303	52226	Intergenic	NM_181766	anxa11b	6.000666855	7.336406113	-1.335739258	0.006745
peak_25980	chr3	56620301	56622129	4108	intron (NM_131561, intron 2 of 10)	NM_131561	axin2	9.810979091	11.14677788	-1.335798792	0.000547
peak_33329	chr18	8883536	8884046	46795	intron (NM_131061, intron 13 of 16)	NM_131061	sema3ab	5.390377213	6.726249868	-1.335872655	0.004731
peak_36202	chr20	45349434	45349975	513911	Intergenic	NM_001080702	zgc:158643	5.417440195	6.753350948	-1.335910753	0.008924
peak_35697	chr13	53040553	53040978	52667	Intergenic	NM_001135784	nkx6.2	5.039406491	6.375383443	-1.335976952	0.008019
peak_28794	chr2	10100220	10101082	28679	intron (NM_213312, intron 1 of 2)	NM_200576	gadd45aa	6.509076539	7.845063893	-1.335987353	0.001415
peak_39495	chr22	40238459	40238836	97037	Intergenic	NM_213118	sox2	4.608419895	5.944456519	-1.336036624	0.016624
peak_42503	chr5	43798702	43799014	-71	promoter-TSS (NM_001126398)	NM_001126398	fam222ba	3.399781695	4.735876958	-1.336095263	0.026442
peak_29219	chr6	53620666	53621453	199355	intron (NM_001013503, intron 4 of 14)	NM_001013503	cacna2d2	6.532596183	7.868787206	-1.336191024	0.001617
peak_29844	chr8	7536526	7537174	-57	promoter-TSS (NM_214790)	NM_214790	asic1a	6.646960749	7.98321342	-1.336252671	0.001936
peak_28124	chr6	59754226	59754784	14082	intron (NM_001002580_1, intron 1 of 3)	NM_001002580_1	pmepa1	6.671375445	8.007635963	-1.336260518	0.00115
peak_35728	chr15	6377492	6377976	29024	Intergenic	NM_001005991	zgc:103530	4.670271331	6.006562368	-1.336291037	0.008087
peak_31696	chr5	331209	333587	-81893	Intergenic	NM_214750	rnf170	7.550111817	8.886492971	-1.336381154	0.003171
peak_40846	chr8	13094832	13095192	-144795	Intergenic	NM_001128381	traf1	4.532330964	5.868718914	-1.33638795	0.0207
peak_32626	chr9	10575246	10575710	-204903	Intergenic	NM_001003636	hnmt	5.190658387	6.527070436	-1.336412049	0.004005
peak_28687	chr25	8770590	8771341	-11598	Intergenic	NR_029997		7.081809297	8.418310047	-1.336500751	0.001364
peak_29171	chr23	25670668	25671286	91689	Intergenic	NM_212641	pa2g4b	5.177925137	6.514476258	-1.336551121	0.001593
peak_36538	chr19	36832027	36832501	77640	Intergenic	NM_001020633	ndufs5	4.592962636	5.929534149	-1.336571513	0.009628
peak_34568	chr6	9559389	9559780	28133	Intergenic	NM_001077369	ccdc151	4.692598516	6.029218129	-1.336619613	0.006289
peak_40151	chr12	19484285	19484652	-44007	Intergenic	NM_001082821	atpaf2	3.957365387	5.294029257	-1.33666387	0.018454
peak_41500	chr15	41626908	41627565	-99380	intron (NM_001123284, intron 1 of 11)	NM_001045128	acsl3a	5.302663728	6.639462627	-1.336798898	0.022919
peak_29376	chr3	23462960	23463801	-49035	Intergenic	NM_199214	col1a1a	6.857719663	8.194684229	-1.336964566	0.001696
peak_40710	chr10	44677612	44678007	10332	intron (NM_214688, intron 3 of 14)	NM_214688	vcanb	3.096540606	4.433571185	-1.337030578	0.020274
peak_31116	chr9	2125512	2126134	114042	Intergenic	NM_199480	lnpa	5.97076922	7.307802095	-1.337032875	0.002695
peak_34679	chr18	45283685	45284040	-111553	Intergenic	NM_001282486	dner	4.306002077	5.64306392	-1.337061843	0.006414
peak_34973	chr9	15779704	15780099	-79030	Intergenic	NM_131520	fn1a	5.152116443	6.489213154	-1.337096712	0.00682
peak_32369	chr12	5667495	5668454	245	intron (NM_001128769, intron 1 of 8)	NM_001128769	lgi1b	6.81488429	8.152114799	-1.337230509	0.003757
peak_32685	chr3	38598462	38598889	312105	intron (NM_214788, intron 8 of 12)	NM_001045132	si:dkey-106c17.2	4.727139892	6.064391957	-1.337252065	0.004068
peak_38176	chr15	26882086	26882678	-11107	Intergenic	NM_001110296	brip1	5.267036684	6.604516741	-1.337480057	0.013212
peak_29323	chr12	36802498	36803076	-62039	Intergenic	NM_200770	fscn2b	6.370007366	7.707533566	-1.3375262	0.001676
peak_29015	chr10	13734054	13734983	2119	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	7.037212548	8.37484931	-1.337636762	0.001516
peak_35611	chr8	10958853	10959262	-44397	Intergenic	NM_001077391	zgc:153997	4.500574775	5.838371843	-1.337797068	0.007863
peak_34277	chr5	27701019	27701550	-18552	Intergenic	NM_001128729	klf9	5.810016855	7.147922567	-1.337905712	0.00587
peak_36680	chr20	20441690	20442070	-14298	intron (NM_001044806, intron 12 of 13)	NM_200233	hif1ab	4.067909549	5.405846739	-1.337937189	0.009877
peak_41215	chr19	47325982	47326219	222744	intron (NM_001177934, intron 5 of 7)	NM_001177934	trps1	2.950271315	4.288236718	-1.337965403	0.022058
peak_33847	chr20	46394746	46395519	37388	Intergenic	NM_131360	bmp2b	6.412514636	7.750504787	-1.337990151	0.005316
peak_41703	chr6	4114925	4115630	-246943	Intergenic	NM_200247	unc50	4.474051752	5.812117081	-1.338065329	0.02364
peak_34991	chr16	43404919	43405348	163359	Intergenic	NM_001002075	ccne2	4.636144784	5.974279949	-1.338135165	0.006853
peak_35182	chr23	35922271	35922684	-47597	Intergenic	NM_131339	rarga	3.768153455	5.106397334	-1.338243879	0.007163
peak_31826	chr25	23750423	23751416	24916	intron (NM_200880, intron 2 of 6)	NM_200880	dusp8a	8.436189091	9.774446666	-1.338257574	0.003289
peak_36641	chr18	39953395	39953933	63588	Intergenic	NM_001006018	bcl7bb	3.997917271	5.336422778	-1.338505507	0.009819
peak_29250	chr14	4987521	4988128	-290187	Intergenic	NM_001017822_1	zgc:110204	6.945064576	8.283612914	-1.338548338	0.001639
peak_33443	chr17	10475908	10476573	34437	intron (NM_213465, intron 12 of 19)	NM_213465	sec23a	5.474051752	6.812657104	-1.338605353	0.004867
peak_33263	chr16	28971742	28972266	-44568	Intergenic	NM_001080576	esrp1	5.717144084	7.05577577	-1.338631686	0.004661
peak_34546	chr21	7446000	7446632	-38611	Intergenic	NM_201054	tbca	5.61336857	6.952030171	-1.3386616	0.006246
peak_36773	chr24	32272095	32272988	160873	Intergenic	NR_045229		5.065941806	6.40464648	-1.338704675	0.010067
peak_28259	chr10	39554955	39555501	54622	intron (NM_001001886, intron 18 of 23)	NM_001001886	usp25	6.681503107	8.020243881	-1.338740774	0.001193
peak_43305	chr8	17300563	17300980	23057	Intergenic	NM_199875	elovl7a	3.539021661	4.877787822	-1.338766161	0.030022
peak_37497	chr19	8996616	8997255	-107403	Intergenic	NM_200597	efna1a	5.30933272	6.648179913	-1.338847193	0.011652
peak_40391	chr3	62507948	62508343	-177826	Intergenic	NM_001013547	zgc:113295	4.518967649	5.857864247	-1.338896597	0.019212
peak_37607	chr25	7568650	7569040	-58479	Intergenic	NM_001089334	hmg20a	4.48887231	5.827773971	-1.338901661	0.011867
peak_27537	chr5	17713107	17714245	9002	Intergenic	NM_131874	xbp1	6.451575443	7.790723911	-1.339148468	0.000938
peak_27078	chr3	30277235	30278275	26600	Intergenic	NM_001045463	nucb1	7.563792508	8.902979787	-1.339187279	0.000798
peak_31536	chr6	56122801	56123370	3708	exon (NM_001008576_1, exon 2 of 8)	NM_001008576_1	tfap2c	5.250926802	6.590126087	-1.339199285	0.003028
peak_25790	chr8	16114670	16116033	-292872	Intergenic	NM_001017814	spata6	7.478634324	8.817893952	-1.339259628	0.000512
peak_26671	chr3	48958375	48959988	-422349	Intergenic	NM_001110108	fn3krp	7.024901573	8.364236109	-1.339334536	0.000692
peak_39085	chr12	27374761	27375167	1818	intron (NM_199545, intron 1 of 12)	NM_199545	glud1b	4.650273334	5.989611763	-1.339338429	0.015473
peak_28268	chr8	55669252	55671264	5080	intron (NM_131212_1, intron 2 of 3)	NM_131212_1	exorh	8.133732779	9.473210394	-1.339477615	0.001197
peak_38621	chr5	35202993	35203533	-26586	Intergenic	NM_001100078	LOC100002237	5.778651141	7.1182695	-1.339618358	0.014265
peak_34280	chr9	24165864	24166350	-14412	Intergenic	NM_001004670	lypd6	4.808817851	6.148610084	-1.339792232	0.005874
peak_28193	chr20	47933731	47934612	-52107	Intergenic	NM_200967	efhc1	6.930337474	8.270429513	-1.340092039	0.001173
peak_36599	chr23	23692795	23693513	2251	TTS (NM_131873)	NM_131873	her9	5.648057263	6.988166104	-1.340108841	0.009738
peak_43227	chr12	45415025	45415387	-128018	Intergenic	NM_001110011	dock1	3.875671743	5.215799684	-1.340127941	0.029659
peak_33426	chr22	13135438	13135918	46607	intron (NM_001024816, intron 3 of 10)	NM_001024816	ahr1b	4.771377205	6.111651114	-1.340273909	0.004845
peak_35651	chr14	25663094	25664058	97221	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	6.804288928	8.14457442	-1.340285492	0.007928
peak_32614	chr14	46856716	46857298	138407	Intergenic	NM_001044886	si:ch211-240l14.:	5.30822336	6.648577648	-1.340354288	0.003991
peak_32502	chr7	73409001	73409502	479106	Intergenic	NM_001115141	dhx15	5.76449451	7.104926269	-1.340431759	0.003895
peak_42263	chr2	48418823	48419351	1750	TTS (NM_194400)	NM_194400	hes6	5.3940418	6.734736294	-1.340694494	0.025504

peak_37396	chr24	24484466	24484952	-37114	Intergenic	NM_200062	rrs1	5.5750338	6.915753911	-1.340720111	0.011425
peak_27161	chr13	17435881	17436615	77087	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	7.404605952	8.745657864	-1.341051912	0.000822
peak_31387	chr7	43054004	43054830	-559222	Intergenic	NM_131063	shha	5.813148504	7.15439901	-1.341250506	0.002906
peak_32892	chr14	41025781	41026327	-498494	Intergenic	NM_131782	glra4a	4.846840202	6.188098515	-1.341258313	0.004272
peak_31946	chr8	6307557	6308218	367741	Intergenic	NM_001082937	or129-1	5.958426495	7.29974792	-1.341321424	0.003381
peak_31220	chr9	35303298	35303963	12993	intron (NM_001089329, intron 2 of 12)	NM_001089329	pou2f1b	5.854482322	7.195812164	-1.341329842	0.002781
peak_29096	chr20	21589475	21589929	-77702	Intergenic	NM_180966	esr2a	5.649371981	6.990736543	-1.341364562	0.001556
peak_27564	chr10	38526459	38527029	48510	Intergenic	NM_001077461	cuedc1a	6.306263717	7.647813393	-1.341549676	0.000947
peak_32988	chr5	17879879	17880295	40413	Intergenic	NM_001004541	zgc:92445	5.676758012	7.018327094	-1.341569083	0.004388
peak_30950	chr9	41714680	41715351	95295	Intergenic	NM_001128564	vwc2l	5.66291302	7.004707298	-1.341794278	0.002588
peak_34490	chr14	44231552	44232017	-177517	Intergenic	NM_001115099	pcdh18b	5.090708057	6.432632028	-1.341923972	0.006181
peak_36215	chr9	22365970	22366525	26000	intron (NM_212674, intron 7 of 22)	NM_212674	xpo4	5.796561756	7.138533206	-1.34197145	0.008943
peak_27006	chr9	41171415	41172376	-87179	Intergenic	NM_001161762	si:zfos-1425h8.1	7.26058228	8.602594461	-1.342012181	0.00078
peak_35067	chr1	54946800	54947469	214503	Intergenic	NM_001145690	tekt4	5.629054199	6.971153974	-1.342099774	0.006976
peak_34228	chr16	31788302	31788989	-984	promoter-TSS (NM_152984)	NM_152984	onecutl	5.709577005	7.051706399	-1.342129394	0.005811
peak_30736	chr10	23043978	23045134	1138	intron (NM_200005, intron 1 of 4)	NM_200005	vamp2	6.373458838	7.715752149	-1.342293311	0.002449
peak_36439	chr8	30957064	30957403	-8106	Intergenic	NM_001040637	fancc	4.878664214	6.220969146	-1.342304932	0.00942
peak_38679	chr7	17442832	17443305	-105643	Intergenic	NM_001006026	csrp3	4.581988855	5.924416634	-1.342427779	0.014383
peak_35907	chr2	34272969	34273444	-417204	Intergenic	NM_001003878	cenpl	4.562527284	5.905077373	-1.342550089	0.00837
peak_37666	chr5	26521942	26522336	29153	intron (NM_001008576, intron 1 of 3)	NM_212630	ewsr1b	4.628165421	5.970737999	-1.342572578	0.011971
peak_38970	chr3	6916718	6916993	26412	Intergenic	NM_001003625_1	nup85	3.963015635	5.305615375	-1.342599741	0.015187
peak_34737	chr24	35844024	35844338	181199	intron (NM_131456, intron 16 of 17)	NM_131456	ctnna1	4.346615242	5.689310221	-1.342694979	0.006466
peak_29183	chr22	21942332	21943196	2484	intron (NM_001130604, intron 1 of 19)	NM_001130604	tle2	6.366250043	7.709137181	-1.342887139	0.0016
peak_40189	chr23	27892483	27892888	-858	promoter-TSS (NM_001201398)	NM_001201398	wnt1	4.113151883	5.456047206	-1.342895323	0.018587
peak_39819	chr23	43574762	43575022	-48198	Intergenic	NM_001004647	tgm2a	3.540911861	4.88381191	-1.342900049	0.017464
peak_30635	chr4	1250442	1250955	29570	intron (NM_001003981, intron 1 of 4)	NM_001003981	ptn	5.982311877	7.325336193	-1.343024316	0.002389
peak_37472	chr19	26357952	26358261	-98559	Intergenic	NM_001202459	jarid2b	4.063971374	5.407154321	-1.343182947	0.011613
peak_28714	chr9	43784615	43785399	-15560	Intergenic	NM_001145782	col5a2a	7.014536531	8.357726927	-1.343190397	0.001375
peak_31482	chr18	11240869	11241282	259409	Intergenic	NM_001013335	zgc:110789	5.567171977	6.910485116	-1.343313138	0.002979
peak_34668	chr15	102476	103129	-18228	Intergenic	NM_001077574	med17	5.18700662	6.530344896	-1.343338276	0.006402
peak_42227	chr2	59581171	59582041	-37195	intron (NM_212882_1, intron 5 of 9)	NM_001130633	prkab2	5.017094822	6.360614296	-1.343519474	0.025405
peak_39502	chr24	40447156	40447517	-16859	Intergenic	NM_212748	rpn2	4.314866759	5.658559018	-1.343692259	0.016637
peak_33921	chr15	24962245	24962817	-7602	Intergenic	NM_001037370	tsr1	5.683643477	7.027392645	-1.343749168	0.005437
peak_40693	chr1	59903081	59903452	57433	Intergenic	NM_212889	mfap4	3.887604564	5.231381264	-1.3437767	0.020208
peak_33754	chr8	1555357	1556077	95900	Intergenic	NM_131026_1	efna5b	6.628596916	7.97239851	-1.343801594	0.005212
peak_36714	chr8	16113502	16114119	-291331	Intergenic	NM_001017814	spata6	5.414320192	6.758135567	-1.343815375	0.009937
peak_32343	chr12	11721759	11722189	19717	Intergenic	NM_001003834	top2a	4.863595343	6.207425691	-1.343830348	0.003732
peak_29812	chr7	44203596	44204476	-5644	Intergenic	NM_001127306	smarcd3b	7.376777509	8.720679363	-1.343901854	0.001922
peak_41647	chr8	12106426	12106718	-40521	exon (NM_001123244, exon 10 of 15)	NR_030071		3.494735408	4.838720284	-1.343984876	0.023441
peak_35953	chr6	54662886	54663587	131558	Intergenic	NM_001109724	tead3b	4.919278172	6.263479142	-1.34420097	0.008455
peak_32025	chr9	21712431	21712940	-101759	intron (NM_001256622, intron 4 of 13)	NM_200507	fam46c	5.069219889	6.413512742	-1.344292853	0.003448
peak_37906	chr15	42572280	42572859	50	promoter-TSS (NM_131013)	NM_131013	tyr	5.154006189	6.498473445	-1.344467256	0.01253
peak_41235	chr10	44325527	44325748	61119	Intergenic	NM_198370	zcchc9	3.224639552	4.569165784	-1.344526233	0.022134
peak_42934	chr9	26597348	26597623	-120049	Intergenic	NM_001110278	acvr2aa	3.95594936	5.300492428	-1.344543068	0.028298
peak_37266	chr17	13484048	13484519	521395	Intergenic	NM_001172570	pnn	4.84071513	6.18542688	-1.34471175	0.011151
peak_35217	chr14	29323824	29324221	128799	Intergenic	NM_001017548	zgc:113355	4.626334289	5.971107746	-1.344773458	0.007204
peak_41164	chr13	32669664	32670505	313	intron (NM_001089444, intron 1 of 5)	NM_001089444	nt5c1ba	6.172430897	7.517478664	-1.345047767	0.021886
peak_42124	chr9	52261944	52262442	-349355	Intergenic	NM_001242770	gcgb	4.295963766	5.641073153	-1.345109387	0.025086
peak_32932	chr23	208661	209432	70423	Intergenic	NM_001077296	zgc:153351	5.959840094	7.304958279	-1.345118186	0.004328
peak_30237	chr5	62821688	62822694	70015	Intergenic	NM_001256746	anapc2	6.769363205	8.114587706	-1.3452245	0.002164
peak_29957	chr25	816618	817577	-55113	intron (NM_001098393, intron 4 of 7)	NM_199725_1	twf1a	6.497414719	7.842703064	-1.345288345	0.002001
peak_27703	chr15	37690847	37691361	186186	intron (NM_131481, intron 2 of 28)	NM_131481	robo1	6.064628484	7.409989926	-1.345361442	0.000992
peak_27415	chr9	48491733	48492952	389576	Intergenic	NM_001003480	zgc:92380	8.227654142	9.573041657	-1.345387515	0.000898
peak_38490	chr2	16200652	16201037	-69367	Intergenic	NM_001017611	zgc:110269	4.672909731	6.018314444	-1.345404714	0.013966
peak_36391	chr16	35626009	35626424	148697	Intergenic	NM_001020635	rragca	4.68407117	6.029614966	-1.345543795	0.009305
peak_26509	chr4	11967182	11968501	10832	intron (NM_001002094, intron 2 of 7)	NM_001002094	msrb3	7.991782738	9.337512706	-1.345729968	0.000655
peak_29486	chr15	21774081	21774693	-141503	Intergenic	NM_001110169_2	zgc:171957	6.164483479	7.510222685	-1.345739206	0.001748
peak_38250	chr12	7792880	7793234	113769	Intergenic	NM_001080064	ipmkb	4.164465597	5.510307287	-1.34584169	0.013389
peak_36145	chr3	13867031	13867363	9659	Intergenic	NM_001197065	nfil3-2	4.192463273	5.538359446	-1.345896174	0.008829
peak_28639	chr6	54015185	54015801	61159	Intergenic	NM_001039997	zgc:136804	6.56669465	7.912641347	-1.345946697	0.001346
peak_35799	chr11	34181996	34182546	272560	Intergenic	NM_001024389	lims1	4.455073397	5.801178967	-1.34610557	0.008207
peak_30185	chr4	19190423	19191235	-19235	Intergenic	NM_200982	stk38l	6.165709012	7.511829757	-1.346120745	0.002136
peak_34953	chr1	48784970	48785355	456436	Intergenic	NM_001077556	ccdc147	4.438945476	5.785307586	-1.346362111	0.006794
peak_42639	chr23	33759926	33760302	11715	intron (NM_001004288, intron 1 of 29)	NM_001004288	itga5	4.018491687	5.364884635	-1.346392948	0.027005
peak_36709	chr12	11378755	11379462	70	promoter-TSS (NM_001002223)	NM_001002223	mpp2b	5.6797635	7.026186379	-1.346422879	0.009926
peak_37943	chr6	14539288	14539649	-310542	Intergenic	NM_201447	pou3f3b	4.511275524	5.85785527	-1.346579746	0.012597
peak_36838	chr24	1157832	1158177	-13558	Intergenic	NM_001034971	itgb1a	5.125874362	6.472509892	-1.34663553	0.010205
peak_39580	chr10	42184510	42189361	-1810	TTS (NM_131404)	NM_001013481	zgc:113625	8.574009184	9.920820465	-1.346811281	0.016831
peak_34539	chr13	1815414	1816179	24367	intron (NM_001079868, intron 3 of 6)	NM_001079868	hcrtr2	5.694297953	7.041168547	-1.346870594	0.006242
peak_34567	chr8	1584981	1585540	125443	Intergenic	NM_131026_1	efna5b	5.076443574	6.423407055	-1.346963481	0.006286
peak_38606	chr16	48863416	48863988	106218	Intergenic	NM_001024923	smg5	5.412286634	6.759484413	-1.347197779	0.014234
peak_43112	chr7	26931460	26931832	-42236	Intergenic	NM_001037684	mtm1	3.65197232	4.999172758	-1.347200438	0.029059
peak_26183	chr24	3036649	3038474	390	exon (NM_130916, exon 1 of 2)	NM_130916	inhbaa	6.874327785	8.221602512	-1.347274727	0.000586
peak_41543	chr22	31107763	31108185	226274	Intergenic	NM_001013572	si:dkeyp-34c12.1	2.732111944	4.079387334	-1.34727539	0.023074
peak_34582	chr10	34626519	34627120	24699	Intergenic	NM_200088	c21orf59	6.321236854	7.668527555	-1.347290702	0.006303
peak_26633	chr2	31674928	31676272	110	5' UTR (NM_194370, exon 1 of 12)	NM_194370	ankhb	7.383260352	8.730568118	-1.347307766	0.000684
peak_37520	chr13	14792474	14793090	-2608	Intergenic	NM_001115095	cdc25	5.292536631	6.639875381	-1.34733875	0.011713
peak_43099	chr23	46365152	46365646	1552	intron (NM_001030096, intron 1 of 13)	NM_001030096	tgm1l4	3.512183079	4.859534037	-1.347350958	0.028994
peak_34831	chr6	1068116	1068533	-93261	Intergenic	NM_001110010_1	plxna1b	4.644959288	5.992325429	-1.347366141	0.006602
peak_35425	chr2	3736900	3737274	41958	intron (NM_001045363, intron 1 of 4)	NM_001045363	wnt9a	4.226989601	5.574502399	-1.347512798	0.007539
peak_31139	chr11	17302849	17303374	343731	Intergenic	NM_001110030	kbtbd8	5.762899448	7.110540257	-1.347640809	0.002716
peak_36692	chr17	21611429	21611806	2550	TTS (NM_001115098)	NM_001115098	hmx2	4.799327975	6.146970833	-1.347642858	0.009896
peak_27022	chr10	42814474	42815600	-104	promoter-TSS (NM_001002414)	NM_001002414	cabp1b	6.961957897	8.309782412	-1.347824514	0.000783
peak_39227	chr6	1301109	1301392	-66219	Intergenic	NM_183072	txnrd1	4.191260267	5.539119229	-1.347858962	0.015884
peak_35343	chr16	31789492	31790198	-2184	Intergenic	NM_152984	onecutl	6.051741216	7.39961237	-1.347871155	0.007392
peak_37183	chr12	41311406	41311868	960236	Intergenic	NM_001099246	abca5	4.933779378	6.281707418	-1.34792804	0.010978
peak_37597	chr13	31516594	31517692	2817	exon (NM_213410, exon 4 of 4)	NM_213410	prdm8	5.670296518	7.018291971	-1.347995453	0.011844
peak_31865	chr18	9812500	9813158	-54039	Intergenic	NM_001100024	LOC566572	5.593873361	6.941888116	-1.348014755	0.003326
peak_33248	chr13	13152463	13152893	2949	intron (NM_131606, intron 1 of 15)	NM_131606	fgfr3	4.62366127	5.971712156	-1.348050886	0.004647
peak_40227	chr11	22439509	22439899	20146	Intergenic	NM_001013545	zgc:101564	3.801740793	5.149841445	-1.348100652	0.018701
peak_32602	chr12	46637376	46637763	-16134	Intergenic	NM_212942	fbxl15	5.056024072	6.404185055	-1.348160982	0.003978
peak_36975	chr13	3478022	3478794	112731	Intergenic	NM_201129	ncoa4	5.190658387	6.539012707	-1.34835432	0.010529
peak_37394	chr24	23866142	23866426	413048	Intergenic	NM_001075111	hnf4g	4.038698769	5.387053771	-1.348355001	0.011415
peak_43102	chr4	45600792	45601093	-342605	Intergenic	NM_001128300	LOC100008037	3.33794409	4.686376765	-1.348432675	0.029013
peak_35667	chr21	143454	143804	-8815	Intergenic	NM_001114668	gsdf	4.2869161	5.635596304	-1.348680204	0.007968
peak_35580	chr7	53039450	53039939	55126	Intergenic	NM_001005589	rps4x	4.857541143	6.206230698	-1.348689555	0.00781
peak_36408	chr7	34423017	34423339	26182	Intergenic	NM_001001843	tph1b	4.496684491	5.845575627	-1.348891136	0.009352
peak_30808	chr17	24260965	24261624	-6395	Intergenic	NM_199969	mdh1b	5.811169177	7.160063264	-1.348894087	0.002495
peak_28482	chr1	45297910	45298548	4045	intron (NM_001081692, intron 1 of 21)	NM_001081692	kdm2aa	6.321786659	7.670829682	-1.349043023	0.00128
peak_35124	chr3	24567406	24567984	56046	Intergenic	NM_001037381	zgc:123244	5.621876502	6.971236949	-1.349360447	0.007078
peak_42309	chr24	1665150	1665628	206197	Intergenic	NM_001113644_4	zgc:172101	3.872673052	5.222039564	-1.349366512	0.025682
peak_40521	chr7	947956	948384	109112	intron (NM_200561_1, intron 4 of 5)	NM_001114746	zgc:175177	3.602044119	4.951421195	-1.349377076	0.019665
peak_29298	chr2	18279128	18279970	13280	intron (NM_001100007, intron 10 of 14)	NM_001100007	ptbp2b	6.04407874	7.393569905	-1.349491165	0.001663
peak_31259	chr14	39285988	39286593	-758096	Intergenic	NM_001099453	rnasel3	5.931577743	7.281201809	-1.349624066	0.002813
peak_27550	chr10	43618672	43619512	43922	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	6.603201681	7.952929643	-1.349727961	0.000942

peak_40791	chr22	2258751	2259134	-4093	Intergenic	NM_200656	guca1e	4.532330964	5.882186049	-1.349855085	0.020557
peak_36176	chr7	37530559	37531656	-263655	Intergenic	NM_200105	aktip	5.781828232	7.131708506	-1.349880274	0.008887
peak_26206	chr10	39704723	39705892	-78503	Intergenic	NM_001006039	samsn1b	7.952204949	9.30212991	-1.349924961	0.000591
peak_35018	chr14	36998961	36999317	30395	intron (NM_131895, intron 2 of 15)	NM_131895	gria2b	4.2869161	5.636945389	-1.35002929	0.006902
peak_42740	chr20	43346404	43346729	-64276	Intergenic	NM_001044916	unc93a	3.596602092	4.946682114	-1.350080022	0.027435
peak_43253	chr13	13013603	13014225	110919	Intergenic	NM_001045208	letm1	5.099071248	6.449158196	-1.350086948	0.029779
peak_29640	chr2	51754327	51755162	6192	intron (NM_001017613, intron 4 of 7)	NM_001017613	abhd4	5.897986938	7.248090186	-1.350103248	0.001826
peak_40617	chr17	44362093	44362463	-66183	Intergenic	NM_131251	otx2	4.029304008	5.379450663	-1.350146656	0.019979
peak_29436	chr10	11635831	11636431	-97556	Intergenic	NM_001098758	ppwd1	5.684926177	7.035127761	-1.350201585	0.001723
peak_38837	chr18	29195926	29196361	-156066	Intergenic	NM_131844	maf	4.549387246	5.899589749	-1.350202502	0.014842
peak_28624	chr1	59933981	59934572	27744	Intergenic	NM_001037694	lpar2b	6.966028871	8.316482342	-1.350453471	0.001341
peak_34666	chr6	6957151	6957606	11817	intron (NM_001004602, intron 1 of 13)	NM_001004602	bin1b	5.753509216	7.104146343	-1.350637127	0.006402
peak_31702	chr3	27376128	27376608	197468	Intergenic	NM_001004119	emp2	4.936653833	6.287353998	-1.350700165	0.003173
peak_29476	chr8	4347742	4348356	-116665	Intergenic	NM_200864	zgc:77875	5.804890439	7.155657667	-1.350767228	0.001743
peak_32504	chr16	10357840	10358396	-369932	Intergenic	NM_001034965	kiaa0947l	5.739973482	7.090808027	-1.350834545	0.003897
peak_31838	chr15	26731758	26732380	-4374	Intergenic	NM_130914	tbx4	5.815492788	7.166335669	-1.350842881	0.0033
peak_31560	chr24	39451268	39452533	7108	intron (NM_001009983, intron 3 of 3)	NM_001009983	metrn	6.444762223	7.795658369	-1.350896146	0.003048
peak_36395	chr20	47969918	47970368	-88079	Intergenic	NM_200967	efhc1	4.987559406	6.338488808	-1.350929401	0.009312
peak_30195	chr8	20384452	20384982	57256	intron (NM_001270477, intron 2 of 6)	NM_001270477	LOC566028	4.887604564	6.238624674	-1.35102011	0.002143
peak_38360	chr17	20541992	20542534	-16212	Intergenic	NM_199985	ccdc6a	5.215792616	6.566891935	-1.351099319	0.013684
peak_42558	chr21	775253	775745	57059	Intergenic	NM_194432	oaz2a	3.548447992	4.899877708	-1.351429716	0.026689
peak_34972	chr1	12247378	12247889	-91761	Intergenic	NM_001115058	pcdh18a	4.911951239	6.263432701	-1.351481462	0.006818
peak_29480	chr25	8730725	8731284	28363	Intergenic	NR_029997		6.309316546	7.66088816	-1.351571614	0.001744
peak_30866	chr16	4562600	4563249	-79341	Intergenic	NM_001110349	vegfaa	5.687061478	7.038658853	-1.351597375	0.002536
peak_41236	chr2	20251963	20252321	10576	intron (NM_001172653, intron 5 of 33)	NM_001172653	agla	4.325871559	5.677520896	-1.351649337	0.022138
peak_32583	chr8	29023815	29024388	88608	intron (NM_199802, intron 2 of 6)	NM_001123323	ddx20	6.507385829	7.859080532	-1.351694703	0.003959
peak_32867	chr21	40324798	40325217	10437	intron (NM_001030122, intron 1 of 8)	NM_001030122	ppp2r2bb	4.823690559	6.175448895	-1.351758336	0.004246
peak_40906	chr23	4465162	4465534	-4511	intron (NM_181498_1, intron 2 of 5)	NM_001122628	si:ch73-142c19.1	4.497658046	5.849428331	-1.351770285	0.020948
peak_35409	chr12	38317849	38318173	7583	Intergenic	NM_001113644_1	zgc:172101	4.249193638	5.601001977	-1.351808339	0.007515
peak_40883	chr16	25529166	25529605	7266	intron (NM_200783, intron 1 of 4)	NM_200783	efna1b	5.034009036	6.38584654	-1.351837505	0.020856
peak_43202	chr11	552879	553290	8108	intron (NM_152979, intron 8 of 8)	NM_152979	mkrn2	3.55032589	4.902200187	-1.351874297	0.029533
peak_36506	chr2	17581764	17582521	17639	intron (NM_001083576, intron 1 of 32)	NM_001083576	ptprfb	4.967982496	6.319933827	-1.351951331	0.00956
peak_34255	chr12	17041328	17041785	-117001	Intergenic	NM_001012487	znf281b	4.276743633	5.628771971	-1.352028338	0.005839
peak_42051	chr15	43315951	43316287	31193	Intergenic	NM_001033729	aasdhppt	4.435901315	5.788097404	-1.352196089	0.024832
peak_38635	chr7	37503069	37503546	-291455	Intergenic	NM_200105	aktip	4.446023636	5.798370091	-1.352346455	0.014298
peak_40619	chr17	33977958	33978514	-58723	Intergenic	NM_001003442	dnal1	5.447061375	6.799409317	-1.352347943	0.019987
peak_33005	chr14	51909224	51909629	46614	intron (NM_001017782_1, intron 14 of 17)	NM_001123045	tspan17	4.789026601	6.141444041	-1.35241744	0.004404
peak_32724	chr6	2561870	2562372	-132848	Intergenic	NM_200334	hyi	5.473557026	6.825982372	-1.352425346	0.004112
peak_38756	chr4	55896088	55896480	282332	Intergenic	NM_001111199	zgc:173710	4.567171977	5.919613893	-1.352441916	0.014624
peak_37715	chr18	44609133	44609448	-17375	Intergenic	NM_001030074	kcnk6	4.371320339	5.723787669	-1.35246733	0.01207
peak_35739	chr1	55932266	55932655	98850	Intergenic	NM_001114563	zgc:172106	4.467110104	5.819605273	-1.352495169	0.008109
peak_42685	chr1	59603477	59603823	73479	Intergenic	NM_001080640	tmed1b	2.797003394	4.149523303	-1.35251991	0.027234
peak_34003	chr3	38738219	38739071	172135	Intergenic	NM_001045132	si:dkey-106c17.2	6.290323821	7.642908555	-1.352584733	0.005522
peak_29862	chr23	45603591	45604057	1718	intron (NM_131669, intron 1 of 6)	NM_131669	atp1b2a	6.949706724	8.302340616	-1.352633892	0.001944
peak_33175	chr8	52556408	52557066	47703	Intergenic	NM_001039971	slc25a37	5.239298899	6.592032333	-1.352733434	0.004578
peak_38101	chr2	19698647	19699001	-18734	Intergenic	NM_131615_1	pbx1a	4.451058288	5.804020345	-1.352962057	0.012989
peak_29656	chr5	49953281	49954250	-790	promoter-TSS (NR_029998)	NR_029998		6.183380884	7.536354625	-1.352973741	0.001837
peak_29365	chr13	46980353	46980953	59964	intron (NM_178303, intron 5 of 17)	NM_001243004	fgfr2	5.8009293	7.153915086	-1.352985786	0.001691
peak_30959	chr18	16155852	16156426	-218855	Intergenic	NM_001013443	eif4g2b	5.848748967	7.202035405	-1.353286438	0.002595
peak_35899	chr24	17682048	17682566	63782	Intergenic	NM_001128702	pip4k2aa	4.647593172	6.000906727	-1.353313556	0.008354
peak_28765	chr14	41531531	41532397	162670	Intergenic	NM_001127519	pcdh19	8.445641649	9.799017248	-1.353375598	0.001403
peak_35531	chr12	3739836	3740280	-14857	Intergenic	NM_201478	col1a1b	4.560665212	5.914113731	-1.35344852	0.007726
peak_37567	chr20	25330766	25331122	-39477	Intergenic	NM_001015041	ctgfa	4.093967964	5.447419656	-1.353451693	0.011784
peak_36077	chr19	26237187	26237579	21125	intron (NM_212563, intron 2 of 2)	NM_212563	pard6gb	4.972191213	6.325829232	-1.353638019	0.008677
peak_31289	chr23	30423650	30424710	136752	Intergenic	NM_212848	uts2a	6.510297048	7.863978272	-1.353681225	0.002837
peak_39123	chr4	25235320	25235810	-40379	Intergenic	NM_001014325	si:ch211-244b2.4	5.046741819	6.400463221	-1.353721402	0.015601
peak_37842	chr9	33788237	33788698	-1644	Intergenic	NM_178100	olig2	4.683215657	6.036941248	-1.353725591	0.012397
peak_34341	chr16	40327876	40328347	-413980	Intergenic	NM_001037432	zgc:123285	4.857496901	6.21138986	-1.353892959	0.005974
peak_34340	chr3	34491462	34491876	154929	Intergenic	NM_198911	sept9a	4.419496475	5.773526031	-1.354029556	0.005974
peak_43246	chr6	56353166	56353752	234082	Intergenic	NM_001008576_1	tfap2c	4.405040581	5.759072295	-1.354031714	0.029743
peak_32408	chr21	17892553	17892893	6690	Intergenic	NM_001002475	nkx6.1	4.644080257	5.998122835	-1.354042578	0.003798
peak_37964	chr18	43015292	43015810	12096	3' UTR (NM_001113215, exon 6 of 6)	NM_001113215	spred3	4.808817851	6.162940508	-1.354122657	0.012667
peak_39919	chr17	13110145	13110446	147407	Intergenic	NM_001172570	pnn	4.196066283	5.550195417	-1.354129134	0.017761
peak_34880	chr20	33372345	33373259	39438	Intergenic	NM_212614	mycn	6.632369322	7.986555915	-1.354186593	0.006682
peak_29193	chr14	18708697	18709198	-32731	Intergenic	NM_001256194	slbp	6.212221296	7.566414119	-1.354192823	0.001605
peak_39989	chr21	29288779	29289357	71	promoter-TSS (NM_001098741)	NM_001098741	rab39ba	5.554596824	6.908831175	-1.354234351	0.018
peak_38051	chr25	23753587	23754004	22040	exon (NM_200880, exon 2 of 7)	NM_200880	dusp8a	3.592962636	4.947323056	-1.35436042	0.012893
peak_30586	chr18	34096426	34097161	14119	intron (NM_001044862, intron 2 of 15)	NM_001044862	rasgrp4	5.097183051	6.451568087	-1.354385036	0.002358
peak_33076	chr16	9720397	9720817	-77526	Intergenic	NM_213342	ddc	5.199061934	6.553515318	-1.354453385	0.004475
peak_28340	chr21	22591430	22592501	-6476	Intergenic	NM_199635	zbtb16a	6.47207183	7.826610404	-1.354538574	0.001226
peak_33234	chr16	9607914	9608248	-26898	intron (NM_213342, intron 10 of 13)	NM_001083581	entpd3	4.315971024	5.670625716	-1.354654691	0.004631
peak_40413	chr21	19409631	19409974	-133113	Intergenic	NM_213226	zgc:85869	4.293658114	5.648329891	-1.354671777	0.019294
peak_41167	chr9	41194069	41194293	-109465	Intergenic	NM_001161762	si:zfos-1425h8.1	3.755185932	5.109881668	-1.354695736	0.021899
peak_27562	chr17	21896371	21897599	-5384	Intergenic	NM_001077170	nphp1	8.77017208	10.12504403	-1.354871947	0.000946
peak_32399	chr13	47099240	47099591	-58798	Intergenic	NM_001243005	fgfr2	4.872629271	6.227512437	-1.354883166	0.003786
peak_41335	chr13	32955057	32955449	-5473	Intergenic	NM_001002351	pdss2	4.861327994	6.21625427	-1.354926275	0.022414
peak_27856	chr24	20264030	20265058	2960	intron (NM_199619, intron 1 of 5)	NM_199619	csrnp1b	6.660741649	8.015711548	-1.354969899	0.00105
peak_34919	chr13	33247896	33248625	111	5' UTR (NM_199611, exon 1 of 8)	NM_199611	arg2	6.514886315	7.869992244	-1.355105929	0.006753
peak_40387	chr16	54701785	54702169	-9199	Intergenic	NM_213187	dhdds	3.804890439	5.160471964	-1.355581525	0.019198
peak_40322	chr15	32872688	32873063	-69284	Intergenic	NM_152974	mab21l1	4.268781826	5.624834645	-1.35605282	0.018995
peak_28341	chr18	24817226	24817619	18119	intron (NM_153662, intron 5 of 5)	NM_153662	st8sia2	5.717955351	7.074128947	-1.356173596	0.001226
peak_38023	chr7	15393460	15393846	19604	intron (NM_001044797, intron 5 of 5)	NM_001044797	mrps11	4.601138539	5.957366466	-1.356227927	0.012822
peak_38703	chr13	14833730	14834244	-3172	Intergenic	NM_131055	flh	5.019169836	6.375659735	-1.356489899	0.014461
peak_28300	chr19	33760089	33760776	-72006	Intergenic	NM_001044826	atxn1a	7.118736392	8.4752335	-1.356497108	0.001211
peak_36417	chr14	27499582	27500071	7468	intron (NM_131368, intron 2 of 7)	NM_131368	smad5	4.130902821	5.48741577	-1.35651295	0.009374
peak_41155	chr6	35026192	35026550	39857	intron (NM_001256393, intron 17 of 18)	NM_199559	mier1a	4.078359093	5.43494014	-1.356581047	0.021835
peak_42952	chr23	20459830	20460223	-37494	Intergenic	NM_001006054	lrrc23	3.445014594	4.801728859	-1.356714265	0.028377
peak_43251	chr17	34794202	34795068	-178434	Intergenic	NM_201291	id2a	5.945977262	7.302832483	-1.35685522	0.029773
peak_43482	chr24	20718606	20718977	42581	intron (NM_201175, intron 2 of 18)	NM_201175	oxsr1b	3.945998068	5.302893939	-1.356895871	0.030724
peak_37369	chr20	31341599	31341834	28209	intron (NM_001032729, intron 5 of 7)	NM_001025488	si:dkey-185l3.3	3.738714804	5.095895659	-1.357180856	0.011363
peak_30720	chr2	58018598	58019095	-67468	Intergenic	NM_001242942	pias4b	5.598898563	6.956142658	-1.357244095	0.00244
peak_36943	chr15	44051929	44052599	155998	Intergenic	NR_023326		3.851417001	5.208669582	-1.357252581	0.010432
peak_26579	chr24	29303739	29304412	-1772	Intergenic	NM_001017617	sh3glb1a	6.532596183	7.890089097	-1.357492914	0.000669
peak_35846	chr23	39503367	39503824	11141	intron (NM_001003837, intron 1 of 11)	NM_001003837	src	5.553138161	6.910673763	-1.357535602	0.008294
peak_38661	chr14	26861262	26861749	34344	intron (NM_131402, intron 2 of 8)	NM_131402	glra1	4.888347099	6.245883695	-1.357536596	0.014341
peak_32201	chr7	36120242	36121012	45422	Intergenic	NM_001113472	slc9a5	7.175797873	8.533371322	-1.357573448	0.003594
peak_35922	chr2	35656951	35657394	55739	intron (NM_173277, intron 1 of 27)	NM_173277	lamc1	5.019808132	6.377441909	-1.357633777	0.008391
peak_33271	chr19	23614110	23614595	121715	Intergenic	NM_001004287	grb10a	4.43995877	5.797669844	-1.357711074	0.004668
peak_32664	chr14	34783471	34784208	-54570	Intergenic	NM_001002324	zdhhc24	5.967610718	7.32535183	-1.357741111	0.00404
peak_29939	chr10	35894897	35895613	35618	Intergenic	NM_001113658	spg20a	7.631039011	8.988845866	-1.357806856	0.001988
peak_33645	chr9	54412238	54412600	-197425	Intergenic	NM_001017360	xrcc5	5.040074882	6.397893449	-1.357818567	0.005084
peak_33521	chr14	39011776	39012469	805223	Intergenic	NM_001048055	lect2l	5.346615242	6.704481906	-1.357866663	0.004943
peak_28233	chr22	24655736	24656335	-103985	Intergenic	NR_029937		7.167851193	8.52580376	-1.357952568	0.001185
peak_29896	chr7	16635274	16635984	-1111	Intergenic	NM_131641	pax6b	7.113497251	8.471496712	-1.357999461	0.001967
peak_27109	chr8	27452753	27453632	9010	intron (NM_001128346, intron 3 of 16)	NM_001128346	si:ch211-106g4.2	7.041567896	8.399616768	-1.358048872	0.000807

peak_29283	chr18	14885260	14886135	27634	intron (NM_001005293, intron 9 of 9)	NM_001044708	si:dkey-103i16.6	5.856001471	7.21417159	-1.358170119	0.001654
peak_42308	chr7	49585648	49585986	122387	Intergenic	NM_131427	cpeb1b	3.993783045	5.352057621	-1.358274576	0.025674
peak_31651	chr22	11250239	11250719	-3581	Intergenic	NM_213023	atp6ap2	6.114776105	7.473102247	-1.358326142	0.003125
peak_43531	chr24	42290193	42290464	-5205	Intergenic	NM_001102626	smyhc2	2.815860363	4.174355142	-1.358494779	0.030897
peak_33126	chr15	4216813	4217238	63756	Intergenic	NM_131670	atp1b3b	4.71374782	6.072317963	-1.358570142	0.004534
peak_34281	chr19	34914918	34915246	85720	Intergenic	NM_001127256	triqk	4.83917979	6.197796069	-1.358616279	0.005876
peak_39003	chr21	36517742	36518284	1814	intron (NM_131430, intron 2 of 19)	NM_131430	fgfr4	4.631717254	5.990369016	-1.358651762	0.015277
peak_39441	chr7	546985	547650	-30657	intron (NM_001079984, intron 3 of 8)	NM_001079984_1	nrxn2b	4.911993843	6.270984824	-1.358990981	0.016413
peak_38240	chr14	1908101	1908373	-121015	Intergenic	NM_001024200_1	pcdh2g28	4.347695481	5.706781794	-1.359086313	0.013371
peak_32102	chr1	8364066	8364834	-1737	Intergenic	NM_001020780	uncx4.1	5.544213763	6.903310383	-1.359096619	0.003507
peak_33424	chr21	34776041	34776501	35474	intron (NM_001001816, intron 2 of 7)	NM_001001816	sgcd	5.08099759	6.440103016	-1.359105426	0.004844
peak_26581	chr24	5081021	5081997	23574	Intergenic	NM_001076612	zic4	7.141090496	8.500242309	-1.359151813	0.000669
peak_26370	chr22	16740310	16741000	-16902	Intergenic	NM_213237	tal1	7.242505079	8.601798463	-1.359293384	0.000626
peak_42244	chr24	10557708	10558115	111639	Intergenic	NM_207078	fam49bb	5.681074652	7.04038171	-1.359307058	0.025447
peak_33180	chr19	33899255	33899965	-5623	Intergenic	NM_001017581	zbtb8b	5.355265922	6.714593126	-1.359327203	0.004583
peak_32459	chr10	21134015	21134304	309117	Intergenic	NM_001201442	avd	4.164465597	5.523810595	-1.359344998	0.003849
peak_37958	chr4	23251402	23251678	-352031	Intergenic	NM_194401	celf2	4.28916694	5.648518477	-1.359351537	0.012649
peak_30810	chr7	72485030	72485573	76221	Intergenic	NM_200899	myoz2a	6.224362681	7.583804613	-1.359441932	0.002497
peak_40567	chr7	23154842	23155149	-68125	intron (NM_001166329, intron 2 of 6)	NM_001115127	epo	4.186438186	5.545898766	-1.35946058	0.019873
peak_31150	chr7	76922813	76923934	-73884	Intergenic	NM_001089531	zgc:163061	6.971119738	8.330591616	-1.359471878	0.002724
peak_29187	chr14	44283472	44283882	-125624	Intergenic	NM_001115099	pcdh18b	5.601164962	6.960711838	-1.359546876	0.001601
peak_27243	chr20	25071938	25072705	-79676	Intergenic	NM_001044979	epha7	6.727981858	8.087530243	-1.359548385	0.000845
peak_42042	chr3	38258819	38259113	439916	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	3.978440673	5.338172383	-1.35973171	0.024794
peak_42356	chr18	8137803	8138308	-93545	Intergenic	NM_001128535	si:ch211-220f12.	4.977743101	6.337555174	-1.359812073	0.025861
peak_31880	chr24	1786140	1786650	327203	Intergenic	NM_001113644_4	zgc:172101	5.787037106	7.146875616	-1.35983851	0.003336
peak_29820	chr22	35921897	35922554	-93119	Intergenic	NM_173274	dag1	6.530205497	7.890132087	-1.359926591	0.001924
peak_41773	chr13	5312271	5312579	-66479	Intergenic	NM_131893	meis1	4.075753794	5.435780437	-1.360026643	0.023864
peak_33710	chr13	30677241	30677658	-52934	Intergenic	NM_001113339	zmiz1a	5.252657886	6.612759342	-1.360101457	0.005157
peak_32659	chr7	29236098	29236474	248277	Intergenic	NM_173219	lmo1	4.92507927	6.285185242	-1.360105972	0.004032
peak_38931	chr1	49825037	49825335	-34148	Intergenic	NM_131260	msxb	4.067909549	5.428051103	-1.360141554	0.015086
peak_36114	chr16	2685711	2685955	383496	Intergenic	NM_181735	foxi1	3.889089251	5.249238884	-1.360149633	0.008754
peak_36164	chr14	50732033	50732734	-246669	Intergenic	NM_001002065_1	ppid	4.689193624	6.049353366	-1.360159743	0.008868
peak_30994	chr3	17576564	17577079	25310	Intergenic	NM_001003433	nkiras2	6.118894578	7.479056377	-1.360161799	0.002613
peak_28199	chr19	5878029	5879194	-28	promoter-TSS (NM_131523)	NM_131523	stx1b	7.049390308	8.409576188	-1.360185881	0.001175
peak_31024	chr6	55510827	55511537	-60230	Intergenic	NM_200550_1	ctsa	5.09910867	6.45935605	-1.360247381	0.002634
peak_41475	chr15	30623112	30623492	-1705	Intergenic	NM_001076729	zgc:152857	4.128390782	5.48910539	-1.360714608	0.02284
peak_40131	chr20	42100240	42102126	-76580	Intergenic	NM_001044332	si:dkeyp-114g9.1	5.881650491	7.242369951	-1.36071946	0.018405
peak_41844	chr17	3652911	3653262	133902	intron (NM_001020655, intron 9 of 9)	NM_001030159	tmx4	3.895012766	5.255824454	-1.360811688	0.024095
peak_33277	chr10	35913192	35913556	17499	intron (NM_001113658, intron 7 of 7)	NM_001113658	spg20a	4.066598018	5.427519241	-1.360921223	0.004672
peak_27159	chr6	788967	789360	167818	Intergenic	NM_001245966	zeb2b	6.033002106	7.393937332	-1.360935225	0.00082
peak_37492	chr10	40133351	40133962	17715	intron (NM_001030224, intron 1 of 32)	NM_001030224	dscama	5.25499636	6.616098688	-1.361102328	0.011652
peak_36218	chr25	2454140	2454486	-29435	Intergenic	NM_001034973		4.392472402	5.753598348	-1.361125946	0.008948
peak_27068	chr19	22255618	22256066	-56952	Intergenic	NM_001159669	LOC100003866	6.369194182	7.730349294	-1.361155112	0.000794
peak_36327	chr1	36207157	36207424	62239	Intergenic	NM_212807	pou4f2	3.927248682	5.288457382	-1.3612087	0.009185
peak_31813	chr22	717331	718309	21475	Intergenic	NM_001077610	zgc:153635	7.229938877	8.591345702	-1.361406824	0.003278
peak_33258	chr24	1545127	1545460	86101	Intergenic	NM_001113644_4	zgc:172101	4.248037038	5.609611835	-1.361574797	0.004656
peak_42620	chr6	31588087	31588450	129102	Intergenic	NM_201025	pgm1	4.198463301	5.560085559	-1.361622258	0.026938
peak_30969	chr12	4238068	4238502	72581	Intergenic	NM_001114916	coa3	5.054040039	6.415683621	-1.361643581	0.002601
peak_38036	chr3	54394894	54395418	-35095	Intergenic	NM_200707	rdh8a	5.934477557	7.296383885	-1.361906329	0.012853
peak_37707	chr11	22323101	22323711	-86165	intron (NM_001048235, intron 3 of 22)	NM_001002751	ikbke	4.980571993	6.342527573	-1.36195558	0.012055
peak_38681	chr1	3250570	3251007	443919	Intergenic	NR_030045		4.275608918	5.637676609	-1.36206769	0.014384
peak_28330	chr15	37476731	37477734	-27686	Intergenic	NM_131481	robo1	6.859224362	8.221344435	-1.362120073	0.001225
peak_36263	chr22	32984493	32985252	-35377	Intergenic	NM_131237	mxi1	6.484661851	7.846855018	-1.362193167	0.009041
peak_32305	chr23	29395439	29395923	-205163	Intergenic	NM_198364	tardbpl	5.499117148	6.861363188	-1.362246041	0.003696
peak_31614	chr7	31996422	31996783	33596	Intergenic	NM_199430	ccnb2	4.749428098	6.11176547	-1.362337372	0.003093
peak_40523	chr15	20431093	20431742	22119	Intergenic	NR_030067		5.750245246	7.112646487	-1.362401241	0.019667
peak_30158	chr24	36645523	36646500	-32410	Intergenic	NM_001030067	pcmtd1	6.423102876	7.785539561	-1.362436685	0.002114
peak_41812	chr2	39664031	39664838	175704	Intergenic	NM_001005919	epha4a	5.813125692	7.175591103	-1.362465411	0.02399
peak_27402	chr8	43615296	43616035	-62242	Intergenic	NM_200838	golga1	7.072009948	8.434482124	-1.362472176	0.000893
peak_37216	chr25	565601	566409	78061	Intergenic	NM_212993	rsl24d1	6.331390424	7.693901061	-1.362510637	0.011038
peak_30557	chr20	5258881	5259368	10033	intron (NM_001002628, intron 1 of 6)	NM_001002628	ccdc85cb	5.657696229	7.020274277	-1.362578048	0.002341
peak_33087	chr24	40208621	40209128	-50491	Intergenic	NM_001110474	zgc:162925	4.543742525	5.906321945	-1.362579419	0.004482
peak_28448	chr8	10690309	10690699	224156	Intergenic	NM_001077391	zgc:153997	5.395087117	6.757704247	-1.36261713	0.001268
peak_37506	chr18	20727836	20728160	99506	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	4.43995877	5.80266312	-1.36270435	0.011678
peak_37922	chr5	41205108	41205619	36108	intron (NM_001115124, intron 2 of 5)	NM_001115124	si:ch211-57h10.1	5.221072898	6.583822373	-1.362749475	0.012563
peak_36301	chr5	536538	537369	36185	intron (NM_001004603, intron 8 of 8)	NM_001004603	ass1	5.880904501	7.243734692	-1.362830191	0.009128
peak_40270	chr7	14861321	14861994	-7634	Intergenic	NM_001045106	furina	4.911951239	6.274974725	-1.363023485	0.01884
peak_29828	chr18	7592720	7593468	-102647	Intergenic	NM_001013543	arsa	5.882768753	7.245801873	-1.36303312	0.00193
peak_34448	chr1	30723769	30724156	56476	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	4.580098126	5.943430518	-1.363332392	0.00612
peak_29162	chr23	14501923	14502682	13627	intron (NM_001113646, intron 1 of 6)	NM_001113646	nkain4	6.852570034	8.216020258	-1.363450224	0.00159
peak_32183	chr12	47681130	47681573	68010	Intergenic	NM_001002739	hid1b	4.847604011	6.211141517	-1.363537506	0.003576
peak_29709	chr2	46591500	46591902	-148962	Intergenic	NM_201020_1	gpc1b	5.383516031	6.747067739	-1.363551707	0.001862
peak_28469	chr1	55656962	55659236	-19190	Intergenic	NM_200586	mb	8.531163633	9.894774939	-1.363611305	0.001276
peak_33583	chr5	9292746	9293386	-20156	Intergenic	NM_001099450	agpat9l	5.011652845	6.375324515	-1.36367167	0.005005
peak_39848	chr18	46294118	46294550	-326164	Intergenic	NM_001037706	smtla	3.890572412	5.25425237	-1.363679959	0.017559
peak_36531	chr13	25945331	25945821	591	intron (NM_200814, intron 1 of 3)	NM_200814	pcbd1	4.657260644	6.021036989	-1.363776345	0.009611
peak_36659	chr1	989558	990045	11954	exon (NM_131617, exon 21 of 21)	NM_001002502	n6amt1	5.459135677	6.822971418	-1.363835741	0.009849
peak_43532	chr19	27369565	27369785	39048	exon (NM_001044901, exon 27 of 29)	NM_001044901	skiv2l	3.340116769	4.704025199	-1.36390843	0.030898
peak_34027	chr16	512922	513447	56950	Intergenic	NM_201057	irx2a	5.139073268	6.50306628	-1.363993012	0.005549
peak_31456	chr9	46408792	46409385	262128	Intergenic	NM_001099232	zgc:165571	5.394564553	6.758560317	-1.363995764	0.002956
peak_41689	chr23	43406571	43407042	-216284	Intergenic	NM_001004647	tgm2a	4.831478486	6.195478564	-1.364000078	0.023596
peak_37208	chr23	6784261	6784690	54689	intron (NM_001006099, intron 3 of 3)	NM_001006099	baz2a	3.494735408	4.85884371	-1.364108301	0.011018
peak_33459	chr5	50336832	50337237	110279	Intergenic	NM_001123267	mblac2	4.869624243	6.233785648	-1.364161406	0.004881
peak_38987	chr20	55061002	55061627	7069	intron (NM_212962_1, intron 1 of 2)	NM_212962_1	pak7	5.56156939	6.925762691	-1.364193301	0.015236
peak_34602	chr18	33038928	33039502	97469	Intergenic	NM_001045019	tiparp	5.236968832	6.601291471	-1.364322639	0.006322
peak_30163	chr15	34102311	34102811	59504	Intergenic	NM_213160	sh3bp5la	4.849893014	6.214309275	-1.364416261	0.002118
peak_39155	chr19	13197465	13197879	72862	Intergenic	NM_001044994	si:ch211-105d11.	4.672047571	6.036518271	-1.3644707	0.015694
peak_40030	chr15	41720081	41720825	-6163	Intergenic	NM_001045128	acsl3a	5.05142909	6.415987459	-1.364558369	0.018105
peak_36866	chr13	43608306	43608736	193346	intron (NM_214809, intron 11 of 68)	NM_214809	cdh23	4.639677051	6.004274692	-1.364597642	0.010284
peak_43520	chr6	32267386	32267705	133417	Intergenic	NM_001082940	mafa	3.997917271	5.362649778	-1.364732506	0.030842
peak_33542	chr19	6738596	6739078	-32759	Intergenic	NM_001044921	gsk3aa	4.622769162	5.98770512	-1.364935958	0.004961
peak_27294	chr11	37317978	37318838	68162	Intergenic	NM_001004590	cyb561d1	7.179291009	8.544349185	-1.365058176	0.000858
peak_27683	chr22	27369895	27370446	86090	Intergenic	NM_001045127	si:dkey-44g23.5	7.011141605	8.376320282	-1.365178676	0.000984
peak_38112	chr14	531285	531680	-3459	intron (NM_212882, intron 10 of 12)	NM_001122600	spry1	4.427692414	5.792903915	-1.365211501	0.013023
peak_42218	chr13	11007114	11007480	86501	intron (NM_001197201, intron 3 of 14)	NM_001197201	akt3a	3.732111944	5.097445007	-1.365333062	0.025383
peak_35225	chr15	20287384	20287653	49141	Intergenic	NM_001128755	ubash3bb	4.166915653	5.53232882	-1.365413167	0.007219
peak_41727	chr8	5093851	5094332	47358	Intergenic	NM_131039	es1	4.85521994	6.22072132	-1.36550138	0.023723
peak_34583	chr10	3786803	3787414	259350	Intergenic	NM_001037412	zgc:123275	6.639469403	8.00505271	-1.365583307	0.006303
peak_28778	chr17	37932925	37934334	29745	Intergenic	NM_001077153	zfp36l1a	7.643537005	9.009162868	-1.365625863	0.001408
peak_42711	chr20	14685577	14686010	-18451	Intergenic	NM_200403	tmed5	4.235184756	5.600939352	-1.365754595	0.027327
peak_35337	chr14	4431471	4431790	-110027	Intergenic	NM_001048066	casp3b	3.6900456	5.055971869	-1.365926269	0.007378
peak_37413	chr18	41232693	41233132	-55540	Intergenic	NM_001007388	ttc36	4.792997377	6.159206283	-1.366208906	0.011475
peak_41868	chr15	15832997	15833516	58359	intron (NM_001077156, intron 11 of 15)	NM_001077156	tyw1	3.096540606	4.462752258	-1.366211651	0.024186
peak_38709	chr3	16810313	16810672	61250	intron (NM_194387, intron 2 of 21)	NM_194387	stat5.1	4.671997258	6.038303554	-1.366306296	0.014481
peak_40930	chr5	42086728	42087185	-23704	intron (NM_001100033, intron 4 of 4)	NM_001020676	ndufs4	3.991020297	5.357385208	-1.36636491	0.021072

peak_31689	chr13	26735371	26735934	-192186	Intergenic	NM_212982	fancl	5.423087929	6.789526042	-1.366438113	0.003161
peak_30668	chr8	10922382	10922748	-7905	Intergenic	NM_001077391	zgc:153997	6.320961872	7.687466884	-1.366505011	0.002408
peak_31094	chr20	49101960	49102708	22	promoter-TSS (NM_001007782)	NM_001007782	nkx2.2b	5.495222926	6.861982456	-1.36675953	0.002681
peak_33387	chr22	21388934	21389379	-22116	Intergenic	NM_001202512	ssbp4	4.662479007	6.029412179	-1.366933171	0.004805
peak_29859	chr18	8182685	8183458	-94132	Intergenic	NM_001002177	impdh1a	6.611557899	7.978506776	-1.366948877	0.001943
peak_36416	chr18	4799085	4799461	-41730	Intergenic	NM_001007761	fgf7	4.318177022	5.68523953	-1.367062508	0.009374
peak_26811	chr17	50657590	50658624	53329	Intergenic	NM_001113540	vps39	7.859029454	9.226098388	-1.367068933	0.000733
peak_32439	chr18	9542254	9542638	216344	Intergenic	NM_001100024	LOC566572	4.85521994	6.222369584	-1.367149644	0.003828
peak_29736	chr8	35110639	35111079	145838	Intergenic	NM_001002420	gapvd1	5.062656257	6.429845434	-1.367189177	0.001881
peak_35558	chr24	9565559	9565844	68178	Intergenic	NM_001199738	topbp1	4.779405205	6.146768348	-1.367363144	0.00777
peak_35391	chr11	11014749	11015155	-100090	Intergenic	NM_001083573	psmd14	5.280142431	6.647547472	-1.367405042	0.007483
peak_25517	chr5	14962757	14963880	21333	Intergenic	NM_001002703	snrnp27	7.612232251	8.979727366	-1.367495115	0.000465
peak_27942	chr20	10254128	10255030	51235	Intergenic	NM_130910	meis2b	6.947748956	8.315363786	-1.36761483	0.001084
peak_37601	chr16	55210977	55211380	-162233	Intergenic	NM_001163294	col27a1a	4.196066283	5.563764691	-1.367698408	0.011857
peak_36582	chr15	35151526	35151963	-49190	Intergenic	NM_001017614	rhbdd1	4.839947665	6.207721018	-1.367773353	0.009702
peak_35991	chr16	18232753	18233323	103	5' UTR (NM_001005923, exon 1 of 5)	NM_001005923	stmn2a	4.872629271	6.240476785	-1.367847514	0.008512
peak_24535	chr20	35304210	35305128	24625	intron (NM_200108_1, intron 1 of 11)	NM_200108_1	znf395	8.692935909	10.06078851	-1.367852603	0.000321
peak_27330	chr13	5129470	5130402	116010	Intergenic	NM_131893	meis1	7.997239095	9.365517683	-1.368278587	0.00087
peak_32177	chr21	1835960	1836498	-72922	Intergenic	NM_205605	wdr91	5.508352192	6.876667795	-1.368315603	0.003568
peak_38329	chr8	9647472	9647879	129417	Intergenic	NM_200092	bcap31	4.785842092	6.154177513	-1.368335422	0.013594
peak_35045	chr18	7519692	7519961	-175915	Intergenic	NM_001013543	arsa	4.124614504	5.493085947	-1.368471443	0.006937
peak_25497	chr7	43104851	43105737	-508345	Intergenic	NM_131063	shha	7.227585073	8.596227077	-1.368642004	0.000463
peak_33690	chr19	10321488	10322006	12247	intron (NM_001002643, intron 3 of 9)	NM_001002643	slc2a3a	4.850655209	6.219354374	-1.368699165	0.005135
peak_42895	chr9	898225	898616	4722	exon (NM_199608, exon 3 of 4)	NM_199608	dbi	4.773837184	6.142621768	-1.368784583	0.028121
peak_32954	chr8	12015887	12016258	27193	Intergenic	NM_001002366	tjp2b	5.063971374	6.432796091	-1.368824716	0.004358
peak_28048	chr2	37030647	37031362	15083	Intergenic	NM_001128817	gpr160	6.500346107	7.869209069	-1.368862961	0.001119
peak_37593	chr23	2903794	2904918	-3037	Intergenic	NM_199850	c20orf24	6.412271575	7.781233004	-1.36896143	0.011838
peak_30447	chr16	58399312	58399969	-11	promoter-TSS (NM_001256191)	NM_001256191	nr0b2a	6.140943814	7.510034305	-1.369090491	0.00228
peak_32138	chr4	7816931	7817233	-226684	Intergenic	NM_130937	wnt5b	4.284661742	5.653808256	-1.369146514	0.003528
peak_26194	chr3	30272940	30274652	30559	Intergenic	NM_001045463	nucb1	7.097334251	8.466567499	-1.369233248	0.000589
peak_37303	chr11	40518510	40518917	-82151	Intergenic	NM_001040387	wnt4a	5.261282285	6.630562169	-1.369279885	0.011219
peak_41127	chr5	37884792	37885328	43791	intron (NM_131805, intron 2 of 4)	NM_131805	efnb1	3.982700169	5.351985923	-1.369285754	0.021767
peak_35563	chr2	29569893	29570192	68144	Intergenic	NM_001005929	paxip1	4.225815055	5.595135664	-1.369320609	0.007776
peak_30992	chr19	14600819	14601473	112868	Intergenic	NM_001045185	edn2	5.0373604	6.406937357	-1.369576957	0.002613
peak_31480	chr24	15857361	15857937	-305510	Intergenic	NM_001098738	cbln2b	5.74656443	7.116180786	-1.369616356	0.002979
peak_34510	chr9	32230833	32231164	29979	intron (NM_001037416, intron 1 of 7)	NM_001037416	clybl	4.423600265	5.793218384	-1.369618119	0.006204
peak_32924	chr16	11564753	11565242	9411	Intergenic	NM_001039990	id4	5.881650491	7.25131502	-1.369664529	0.004319
peak_25819	chr6	11726823	11728389	-4546	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	7.929425359	9.299161351	-1.369735992	0.000516
peak_27926	chr14	36226694	36227329	117451	Intergenic	NM_001007108	il12ba	5.605235529	6.975024194	-1.369788664	0.001079
peak_30759	chr7	23257062	23257583	43420	intron (NM_001166329, intron 1 of 6)	NM_001166329	nlgn2b	5.68407117	7.053863165	-1.369791994	0.002462
peak_36983	chr19	17573999	17574333	-273351	Intergenic	NM_131857	klf2b	3.761684263	5.131498012	-1.369813749	0.010546
peak_36052	chr8	43135217	43135680	80177	exon (NM_001089380, exon 11 of 24)	NM_001089380	gpat2	4.712071154	6.081894324	-1.36982317	0.008616
peak_35355	chr20	43032529	43033184	-28494	Intergenic	NM_001083051	pomcb	4.903160956	6.273043285	-1.36988233	0.007419
peak_31892	chr10	9621988	9622419	-18701	Intergenic	NM_001044910	si:ch211-243g18.	4.728799148	6.098730169	-1.369931021	0.003343
peak_26018	chr8	21733014	21734183	51	promoter-TSS (NM_131292)	NM_131292	col2a1a	7.642437049	9.012723667	-1.370286618	0.000553
peak_42442	chr16	5903669	5903951	-122864	Intergenic	NM_001252462	tpbgb	4.335768134	5.70617245	-1.370404316	0.026204
peak_33034	chr20	9108844	9109248	191992	Intergenic	NM_001164029	mysm1	5.2920083	6.662418079	-1.370409779	0.004432
peak_34209	chr8	31653532	31653903	21655	Intergenic	NM_001039830	tas2r200.1	4.923631181	6.294056245	-1.370425064	0.005787
peak_33830	chr18	41690808	41691268	21783	intron (NM_001167569_1, intron 1 of 1)	NM_001167569_1	pvrl1b	4.314866759	5.685344238	-1.370477479	0.005289
peak_27422	chr7	38814915	38815442	45741	Intergenic	NM_001146014	sall1a	5.68407117	7.054670359	-1.370599189	0.000899
peak_30898	chr10	32941887	32942600	36114	intron (NM_001008653, intron 2 of 3)	NM_001008653	lhfp	4.76734639	6.138119078	-1.370772687	0.002552
peak_36552	chr25	36314363	36314812	2309	exon (NM_001009982, exon 2 of 12)	NM_001009982	slc17a6a	5.502059234	6.872871771	-1.370812537	0.009658
peak_26125	chr24	39430780	39431330	27953	Intergenic	NM_001009983	metrn	6.589757247	7.960610648	-1.370853401	0.000574
peak_34237	chr25	6072204	6072607	-18958	Intergenic	NM_001128075	appl2	5.305969655	6.676965317	-1.370995662	0.005823
peak_33400	chr8	10946747	10947435	-32431	Intergenic	NM_001077391	zgc:153997	6.326161592	7.697213193	-1.371051601	0.004816
peak_30511	chr16	33319184	33320080	-15346	Intergenic	NM_001002458	dgat1b	6.277877455	7.648954486	-1.371077031	0.002317
peak_27357	chr20	27214730	27215234	-32880	Intergenic	NM_001025551	btbd7	6.111282037	7.48239241	-1.371110373	0.000878
peak_42578	chr11	16933000	16933296	-26232	Intergenic	NM_001110030	kbtbd8	3.930136166	5.301254898	-1.371118732	0.026746
peak_33884	chr23	7431144	7431355	7510	Intergenic	NM_001166126	si:dkeyp-73a2.2	3.812734601	5.183990108	-1.371255507	0.005373
peak_29366	chr8	43113161	43113645	58132	intron (NM_001089380, intron 7 of 23)	NM_001089380	gpat2	5.569025676	6.940376495	-1.371350819	0.001691
peak_33625	chr18	23057976	23058540	83677	intron (NM_131301, intron 4 of 9)	NM_131301	mef2aa	5.508835131	6.880284859	-1.371449728	0.005055
peak_40852	chr2	5388122	5388388	-17021	Intergenic	NM_131727	sst2	4.279010388	5.650545525	-1.371535137	0.020726
peak_42722	chr4	3476647	3477141	150324	Intergenic	NM_200436	znf800b	3.963015635	5.334589648	-1.371574013	0.027357
peak_39840	chr15	1810893	1811466	21938	intron (NM_131769, intron 6 of 7)	NM_001079973	taf15	4.895794583	6.267440133	-1.371645549	0.017541
peak_35500	chr12	26878437	26878873	28981	Intergenic	NM_207055	zfp36l2	5.007557848	6.379207033	-1.371649185	0.007663
peak_33166	chr5	32654172	32654653	16631	exon (NM_001102672, exon 9 of 24)	NM_001102672	ankfy1	5.552201346	6.923942067	-1.371740721	0.004569
peak_34969	chr18	24299160	24299640	-38820	Intergenic	NR_120393		5.477045347	6.848828078	-1.371782731	0.00681
peak_34608	chr6	6313035	6313569	-94526	Intergenic	NM_001100951	bcl11ab	4.935217321	6.30705532	-1.371837998	0.00633
peak_28896	chr15	19432297	19433026	-2717	Intergenic	NM_130944	dlc	5.657260644	7.029330883	-1.372070239	0.001464
peak_36210	chr23	29631580	29631875	5622	intron (NM_213552, intron 7 of 11)	NM_213552	pgd	3.818979367	5.191097538	-1.372118171	0.008933
peak_41152	chr1	38747946	38748568	22569	Intergenic	NM_001040307	fbxo8	4.796957255	6.169119181	-1.372161926	0.021834
peak_36613	chr8	13033428	13033769	-83381	Intergenic	NM_001128381	traf1	3.995162437	5.367348854	-1.372186417	0.009757
peak_27522	chr8	34998056	34998860	-92026	Intergenic	NM_131616	pbx3b	7.145445253	8.517687114	-1.372241861	0.000933
peak_31087	chr9	43082717	43083556	-55944	Intergenic	NM_001020731	pcbp3	6.097806482	7.470067607	-1.372261125	0.002677
peak_30532	chr8	34063787	34064275	-61312	Intergenic	NM_001122711	LOC100004439	5.016415696	6.388677196	-1.3722615	0.002326
peak_27203	chr5	36245100	36245856	-10955	Intergenic	NM_001114845	hexa	6.523993409	7.896299159	-1.37230575	0.000833
peak_35088	chr23	46307011	46307285	59803	Intergenic	NM_001030096	tgm1l4	3.811169177	5.183659709	-1.372490532	0.007014
peak_42941	chr18	39944748	39945103	54849	Intergenic	NM_001006018	bcl7bb	3.975648359	5.348186722	-1.372538363	0.02833
peak_41185	chr7	42655568	42656052	-401093	Intergenic	NM_199843	shcbp1	4.553192795	5.925797667	-1.372604872	0.021966
peak_37654	chr5	565538	565938	64970	Intergenic	NM_001004603	ass1	4.843015081	6.21562399	-1.372608909	0.011951
peak_28826	chr20	45273235	45273819	569703	Intergenic	NM_001013534	zgc:103511	5.913432374	7.286085307	-1.372652933	0.001429
peak_43781	chr13	29071748	29072045	62435	Intergenic	NM_001020523	nsmce4a	3.587486179	4.960191105	-1.372704925	0.032131
peak_24575	chr13	52047167	52047977	44208	intron (NM_001123278, intron 3 of 7)	NM_001123278	wtip	8.341205838	9.71394535	-1.372739513	0.000327
peak_36698	chr21	36521943	36522532	-2410	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	5.363299883	6.736267343	-1.37296746	0.009905
peak_30225	chr5	34009880	34010737	-9321	Intergenic	NM_001077801	gas1b	6.520405368	7.893607268	-1.3732019	0.002156
peak_34810	chr14	8098098	8099089	-47918	Intergenic	NM_001002626	zgc:92242	5.947025987	7.32024878	-1.373222793	0.006568
peak_25446	chr2	5395693	5396860	-25042	Intergenic	NM_131727	sst2	9.388896469	10.76225039	-1.373353921	0.000456
peak_36375	chr6	25779848	25780546	-92611	Intergenic	NM_212689	lmo4b	5.195501409	6.568989183	-1.373487774	0.009278
peak_32870	chr11	16316557	16317196	1308	intron (NM_001033727, intron 1 of 6)	NM_001033727	draxin	5.068564868	6.442055982	-1.373491114	0.004249
peak_37171	chr13	53999144	53999566	-47620	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	4.560665212	5.934428973	-1.373763762	0.010954
peak_38042	chr13	45825384	45825769	-50294	Intergenic	NM_131604	runx3	3.587486179	4.961264813	-1.373778633	0.012872
peak_31381	chr21	8015579	8016051	-2713	Intergenic	NM_001045299	crb2a	5.305446222	6.679349903	-1.373903681	0.002901
peak_29697	chr18	17617753	17619023	-41667	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	7.063304375	8.437373963	-1.374069587	0.001859
peak_29993	chr25	419366	419835	-2361	intron (NM_001077771_1, intron 2 of 2)	NM_183342	prickle1a	4.922181637	6.296261388	-1.374079751	0.002021
peak_38547	chr11	39274569	39275372	65956	Intergenic	NR_034195		6.10074877	7.474835318	-1.374086549	0.014097
peak_32690	chr3	54490308	54490712	124268	intron (NM_001190756, intron 47 of 66)	NM_001190756	col5a3a	4.163239007	5.537385969	-1.374146962	0.004077
peak_39454	chr1	95582	96877	-5744	intron (NM_201027, intron 1 of 11)	NM_200776	tfdp1b	6.062017446	7.436446441	-1.374428995	0.016434
peak_36216	chr18	7691752	7692577	-3577	Intergenic	NM_001013543	arsa	5.521841655	6.896279331	-1.374437676	0.008943
peak_38508	chr2	33754012	33754500	35637	intron (NM_201074, intron 5 of 11)	NM_201074	eif2b3	3.771377205	5.145946315	-1.37456911	0.014003
peak_27485	chr23	7130925	7131605	-5890	Intergenic	NR_029993		5.825630178	7.200241938	-1.37461176	0.000921
peak_36220	chr21	8004953	8005495	7878	intron (NM_001045299, intron 1 of 12)	NM_001045299	crb2a	4.905363553	6.280026558	-1.374663005	0.008949
peak_33065	chr20	38110622	38111075	53561	intron (NM_001044995, intron 6 of 14)	NM_001044995	galnt14	4.466115708	5.840838194	-1.374722486	0.004468
peak_43366	chr13	13981428	13981809	114282	intron (NM_001145615, intron 24 of 27)	NM_001145615	atrn	3.943058799	5.317966395	-1.374907595	0.030284
peak_30251	chr9	27765046	27765540	-597905	Intergenic	NM_001126402	si:rp71-84d19.3	5.959466212	7.334468011	-1.375001799	0.002169
peak_31748	chr9	23629740	23630211	-35157	Intergenic	NM_001126461	etv5a	5.804497109	7.179546906	-1.375049797	0.003223

peak_38586	chr24	13916890	13917707	88036	3' UTR (NM_131193, exon 18 of 19)	NM_131193	eya1	5.74367113	7.118856966	-1.375185836	0.014183
peak_40677	chr21	19406926	19407316	-135794	Intergenic	NM_213226	zgc:85869	4.397697102	5.773093581	-1.375396479	0.020185
peak_38465	chr12	27305416	27305955	-67461	Intergenic	NM_199545	glud1b	4.532330964	5.907755213	-1.375424249	0.013921
peak_38407	chr3	20129580	20130053	-122189	Intergenic	NM_194417	sepw2a	4.605713446	5.981274196	-1.37556075	0.013798
peak_33935	chr9	42912776	42913945	-74142	Intergenic	NM_001039630	col18a1	6.633932718	8.009632167	-1.375699449	0.00545
peak_40986	chr20	38883143	38883385	21317	intron (NM_001002312, intron 23 of 47)	NM_001002312	ift172	3.95594936	5.331954374	-1.376005013	0.021238
peak_35853	chr8	41755058	41755576	165	5' UTR (NM_170764, exon 1 of 10)	NM_170764	hnf1a	3.727139892	5.103159018	-1.376019126	0.008301
peak_34337	chr1	18414674	18415040	23434	Intergenic	NM_001102393	tmem192	3.809602052	5.185836656	-1.376234604	0.005967
peak_41138	chr15	40197092	40197515	6283	exon (NM_001003474, exon 2 of 2)	NM_001003474	spsb4b	4.451058288	5.827412546	-1.376354258	0.021787
peak_33059	chr11	9104531	9105054	456383	Intergenic	NM_001020583	tbl1xr1a	5.450555613	6.826919479	-1.376363866	0.00446
peak_36657	chr1	26119498	26119845	41127	intron (NM_001122755, intron 2 of 6)	NM_001122755	bnc2	4.478003463	5.854390051	-1.376386588	0.009847
peak_34235	chr11	40860999	40861847	-424861	Intergenic	NM_001040387	wnt4a	4.777001492	6.153504486	-1.376502994	0.00582
peak_35131	chr15	1511830	1512398	17324	intron (NM_001008625, intron 8 of 19)	NM_001008625	ift80	5.800557901	7.1773426	-1.376784699	0.007084
peak_34901	chr8	11302157	11302583	79137	Intergenic	NM_001083016	fxn	4.127133121	5.504014724	-1.376881603	0.00672
peak_41073	chr18	46254016	46254500	-366240	Intergenic	NM_001037706	smtla	4.446023636	5.822949488	-1.376925852	0.021607
peak_42852	chr9	3734603	3735096	-66492	Intergenic	NM_180973	sp5a	4.797003394	6.174033708	-1.377030315	0.027909
peak_29021	chr7	48385551	48386216	4942	intron (NM_001195407, intron 1 of 1)	NM_001195407	tshz3b	6.717967535	8.095064055	-1.377096521	0.001521
peak_34653	chr17	50492604	50493418	16525	Intergenic	NM_001032728	cox7a2a	6.318468606	7.695594851	-1.377126245	0.006387
peak_41461	chr14	6933807	6934673	5553	Intergenic	NM_212587	hnrnpaba	5.66594746	7.043599997	-1.377652537	0.022818
peak_27686	chr5	66655835	66656635	11	promoter-TSS (NM_001007457)	NM_001007457	prdm12b	6.029977095	7.407697446	-1.377720351	0.000985
peak_27781	chr7	9687874	9689922	-799	promoter-TSS (NM_194409)	NM_194409	vax2	8.598595161	9.976341123	-1.377745962	0.001024
peak_35021	chr6	52682522	52682885	-6225	Intergenic	NM_200357	oser1	4.187645218	5.565519025	-1.377873806	0.006902
peak_30134	chr13	43725666	43726876	85913	intron (NM_214809, intron 21 of 68)	NM_001077581	zgc:153073	6.028967346	7.406921995	-1.377954648	0.002104
peak_36054	chr11	15207766	15208436	44493	Intergenic	NM_212764_1	zgc:55741	5.569951633	6.947960385	-1.378008752	0.008625
peak_31103	chr21	23859322	23859659	-46328	Intergenic	NM_001004630	sc5d	4.958780025	6.336858751	-1.378078727	0.002688
peak_28898	chr22	14414983	14415607	154089	Intergenic	NM_199708	bzw1a	6.625679487	8.003815455	-1.378135968	0.001466
peak_27793	chr11	38928709	38930013	43010	Intergenic	NM_201004	snrpe	9.325901538	10.70405101	-1.378149471	0.001028
peak_27405	chr20	8647446	8648224	-50786	Intergenic	NM_001040685	dab1a	7.206558694	8.584784566	-1.378225872	0.000895
peak_34310	chr19	46509459	46509922	-357041	Intergenic	NM_001083814	ptpro	5.628609879	7.006862048	-1.378252169	0.00592
peak_35530	chr23	45382624	45383243	4409	TTS (NM_001004674)	NM_001004674	hmgb2b	4.716307966	6.094569301	-1.378261335	0.007726
peak_26296	chr24	28410465	28411290	-7864	Intergenic	NM_131095	ek1	7.079363321	8.457752973	-1.378389652	0.000609
peak_41428	chr6	14839121	14839816	-10542	Intergenic	NM_201447	pou3f3b	4.772228956	6.150623111	-1.378394155	0.022702
peak_35468	chr23	37883123	37883686	-25471	Intergenic	NM_131881	irx7	4.007517975	5.38600111	-1.378483135	0.007597
peak_33310	chr20	34870111	34870736	-182	promoter-TSS (NM_001030207)	NM_001030207	emilin1a	5.415350924	6.793936847	-1.378585923	0.004711
peak_41157	chr1	59827945	59828402	7690	Intergenic	NM_200748_1	pin1	4.066598018	5.445253663	-1.378655645	0.021853
peak_30169	chr10	46056314	46056740	223960	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	5.699433654	7.078141855	-1.378708201	0.002121
peak_43933	chr20	2516360	2516792	96178	Intergenic	NM_001003990	med23	4.761684263	6.140398589	-1.378714326	0.032687
peak_29991	chr15	31266611	31267099	108500	Intergenic	NM_001110394	brca2	5.611994389	6.990779703	-1.378785314	0.002021
peak_30840	chr12	8888617	8889128	-34290	Intergenic	NM_001039062	med24	5.149021604	6.527807749	-1.378786146	0.002521
peak_36207	chr23	39595199	39595946	103118	3' UTR (NM_001003837, exon 12 of 12)	NM_001003837	src	5.500089063	6.878912736	-1.378823673	0.00893
peak_39979	chr6	18065295	18065750	66704	intron (NM_131029, intron 1 of 5)	NM_131029	ntn1a	3.820536344	5.199400956	-1.378864613	0.017982
peak_29330	chr9	6020465	6021192	-102684	Intergenic	NM_001159914	st6gal2a	6.103911502	7.4828548	-1.378943299	0.001678
peak_28873	chr3	21305308	21305791	44797	Intergenic	NM_207088	cdipt	5.460105758	6.839141958	-1.3790362	0.001453
peak_34024	chr6	31615096	31615476	102084	Intergenic	NM_201025	pgm1	4.882396095	6.261484236	-1.379088141	0.005547
peak_35311	chr14	13139531	13139860	-44430	Intergenic	NM_198360	gria3b	3.801740793	5.181049561	-1.379308768	0.007342
peak_25569	chr20	6814423	6815989	-81779	Intergenic	NM_001168349_1	adcy1a	9.09721851	10.47652824	-1.379309728	0.000475
peak_25390	chr25	6350790	6353477	-20850	Intergenic	NM_213019	ppib	8.986188255	10.36554481	-1.379356552	0.000447
peak_39763	chr23	12203293	12203790	-37542	Intergenic	NM_001256764	ttll9	4.328126339	5.707665985	-1.379539646	0.017291
peak_27410	chr14	49780590	49781466	-12522	Intergenic	NM_131314	ldb2a	7.129952161	8.509516041	-1.37956388	0.000897
peak_35901	chr13	43367610	43367937	9837	intron (NM_200445, intron 2 of 21)	NM_200445	capn1a	4.55032589	5.930166363	-1.379840474	0.008361
peak_29452	chr9	28351020	28351682	-11847	Intergenic	NM_001126402	si:rp71-84d19.3	5.681074652	7.060924034	-1.379849382	0.00173
peak_34693	chr7	65847096	65847744	-20422	Intergenic	NM_001110485	m1ap	6.699645189	8.079651862	-1.380006673	0.006428
peak_34654	chr14	48316171	48316479	26104	Intergenic	NM_200265	ttc9c	4.09910867	5.479319884	-1.380211214	0.006388
peak_30782	chr9	54695884	54696468	49544	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	6.372943855	7.7532357	-1.380291845	0.002475
peak_32810	chr22	33036979	33037596	16149	intron (NM_131237, intron 3 of 5)	NR_111928		4.931577743	6.311958394	-1.380380651	0.004185
peak_33740	chr9	51362358	51362770	-197072	Intergenic	NM_001017644	slc38a11	4.364932445	5.745354765	-1.38042232	0.005196
peak_32559	chr5	70388226	70388518	1237	intron (NM_131418, intron 1 of 16)	NM_131418	coe2	4.339030839	5.719525858	-1.380495019	0.003944
peak_37913	chr9	25155885	25156203	1593	exon (NM_001037226, exon 3 of 5)	NM_001037226	zgc:123096	4.449046535	5.829619382	-1.380572847	0.01255
peak_38501	chr21	11136534	11136963	150138	Intergenic	NM_001033747	zgc:109965	4.003411208	5.384063362	-1.380652154	0.013986
peak_29435	chr5	12110839	12111393	-160076	Intergenic	NM_203478_1	rtn4r	5.470089187	6.850761764	-1.380672577	0.001722
peak_35316	chr3	61574576	61575094	38265	Intergenic	NM_213338	aimp2	4.898008447	6.278799913	-1.380791466	0.007346
peak_31580	chr2	4039302	4039800	12135	intron (NM_001142774, intron 2 of 11)	NM_001142774	gpt2l	5.961957897	7.342751216	-1.380793319	0.003065
peak_33700	chr2	52271414	52272173	-36812	Intergenic	NM_001122704	si:ch73-52e5.1	5.898724149	7.279828247	-1.381104098	0.005144
peak_35494	chr22	20328446	20328909	1256	intron (NM_001130788, intron 1 of 10)	NM_001130788	celf5a	4.611121277	5.99223372	-1.381112444	0.007653
peak_26187	chr14	49699695	49700602	68358	intron (NM_131314, intron 2 of 8)	NM_131314	ldb2a	7.754952698	9.136088087	-1.381135389	0.000588
peak_26849	chr11	38557455	38558220	-96	promoter-TSS (NM_001128738)	NM_001128738	fam69b	6.34771123	7.728934361	-1.381223131	0.00074
peak_32912	chr5	6301338	6301788	-30596	Intergenic	NM_205570	zgc:73226	5.884980976	7.266416895	-1.381435918	0.0043
peak_41694	chr8	3247726	3248414	-3920	Intergenic	NM_001040010	lhx2b	4.905363553	6.286830933	-1.38146738	0.023612
peak_27000	chr19	9109550	9110679	5776	intron (NM_200597, intron 1 of 4)	NM_200597	efna1a	7.360508693	8.741986552	-1.381477859	0.000779
peak_38294	chr5	51382740	51383058	-144674	Intergenic	NM_131180	nr2f1a	3.877168754	5.258907674	-1.38173892	0.013502
peak_44012	chr7	14142017	14142772	47397	intron (NM_001245957, intron 6 of 10)	NM_001082864	sdhaf2	3.28916694	4.670994601	-1.381827661	0.033004
peak_42006	chr11	33276333	33276663	259003	Intergenic	NM_001160822	pcdh17	3.552201346	4.934059674	-1.381858328	0.024706
peak_42891	chr8	7705477	7705886	-8034	Intergenic	NM_001126386	LOC556480	5.026569165	6.408450063	-1.381880899	0.028093
peak_40407	chr23	6491535	6491910	81190	intron (NM_001077146, intron 3 of 7)	NM_001077146	bmp7b	4.065285294	5.447216143	-1.381930849	0.01926
peak_36108	chr10	42975423	42976049	-155037	Intergenic	NM_001110035	rnf34b	5.818200248	7.200237765	-1.382037517	0.00874
peak_33407	chr2	49562057	49562627	31833	Intergenic	NM_001002688	cdc34b	4.492783688	5.874854206	-1.382070518	0.004831
peak_31648	chr24	14944663	14945014	91128	intron (NM_001089439, intron 3 of 7)	NM_001080646	cd226	4.774593768	6.156770311	-1.382176543	0.003124
peak_41789	chr5	62820691	62821069	70574	Intergenic	NM_001002098	tmem19	3.653720264	5.035914948	-1.382194683	0.023914
peak_34491	chr9	39880628	39880986	100001	Intergenic	NM_001105135	tas2r3	4.163239007	5.545481282	-1.382242275	0.006183
peak_32111	chr13	5174488	5175262	71071	intron (NM_131893, intron 9 of 12)	NM_131893	meis1	6.975524621	8.3577987	-1.382274079	0.003511
peak_30709	chr24	3034422	3034763	3359	intron (NM_130916, intron 1 of 1)	NM_130916	inhbaa	4.474051752	5.856358281	-1.382306529	0.002432
peak_41251	chr2	2653614	2654059	-275	promoter-TSS (NM_200516)	NM_200516	zgc:66286	5.058043882	6.440391561	-1.382347679	0.022179
peak_32272	chr6	1494046	1494923	38916	Intergenic	NM_001110010	plxna1b	6.293954695	7.676339301	-1.382384606	0.003665
peak_29510	chr4	13431540	13432386	22865	Intergenic	NM_001162854	LOC799612	6.245993855	7.628410819	-1.382416964	0.001764
peak_27457	chr2	41434840	41435760	8827	intron (NM_001020567, intron 1 of 14)	NM_001020567	zgc:110158	7.496183259	8.878756964	-1.382573706	0.000912
peak_34594	chr16	49445258	49445625	-20572	Intergenic	NM_001145238	rpz	4.901690687	6.284301144	-1.382610457	0.006315
peak_37789	chr20	41619774	41620118	338279	Intergenic	NM_001201561	LOC555548	3.801740793	5.184412885	-1.382672092	0.012262
peak_31293	chr11	7382724	7383348	4538	3' UTR (NM_001198743, exon 5 of 5)	NM_001198743	smim7	5.362796846	6.745471488	-1.382674642	0.002843
peak_29403	chr8	18812181	18812668	-53566	Intergenic	NM_200724	guk1b	5.868119378	7.250833774	-1.382714396	0.001708
peak_27098	chr8	15001165	15001854	-126	promoter-TSS (NM_001122973)	NM_001122973	lhx4	6.619642432	8.002442564	-1.382800132	0.000803
peak_38612	chr7	41456220	41456514	18412	exon (NM_001111200, exon 13 of 15)	NM_001111200	shrprbck1r	4.079659981	5.462553772	-1.382893792	0.014244
peak_32911	chr17	17854471	17854956	-7339	intron (NM_001045384, intron 5 of 6)	NM_200054	setd3	4.699433654	6.082541813	-1.383108159	0.004299
peak_30465	chr15	20378289	20378919	-20671	Intergenic	NR_030052		6.31955406	7.702818896	-1.383264836	0.002293
peak_27644	chr23	35868213	35868735	4318	intron (NM_001285536, intron 1 of 7)	NM_001285536	nr1d4a	5.994472906	7.377766704	-1.383293798	0.000974
peak_43700	chr6	35611369	35611871	11387	Intergenic	NM_001079976	dmrt2b	4.26992192	5.653307001	-1.38338508	0.031729
peak_43723	chr20	45792453	45792811	70983	Intergenic	NM_001080702	zgc:158643	4.14960497	5.5330146	-1.38340963	0.031853
peak_29073	chr20	53690210	53690632	-28008	Intergenic	NM_001009990	cdc40	5.010971152	6.394427081	-1.383455929	0.001547
peak_35459	chr18	37023048	37023548	-169014	Intergenic	NM_200573	onecut1	5.210423655	6.593934073	-1.383510418	0.007583
peak_31776	chr2	27929519	27930302	59165	Intergenic	NM_201330	dhcr7	6.069219889	7.452777848	-1.383557959	0.003249
peak_36140	chr10	4006343	4006777	-47518	Intergenic	NM_200920	pitpnb	4.205630551	5.589195973	-1.383565422	0.008818
peak_33172	chr7	47397232	47397686	-175831	Intergenic	NM_001020749	pop4	5.297049966	6.680637483	-1.383587517	0.004574
peak_28908	chr18	21948617	21949145	58699	Intergenic	NM_001080629	zgc:158868	6.733777546	8.117544963	-1.383767417	0.001472
peak_33032	chr3	20421831	20422120	285170	Intergenic	NM_201130	spop	4.621876502	6.00567695	-1.383800448	0.004431
peak_25906	chr18	15690330	15691125	91779	Intergenic	NM_001037580	sspn	7.231256405	8.615067296	-1.383810891	0.000533
peak_36575	chr13	17188119	17188464	325044	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	4.242240088	5.626066833	-1.383826745	0.009691

peak_32098	chr20	33311720	33312330	-21339	Intergenic	NM_212614	mycn	5.55547754	6.939365634	-1.383888094	0.003505
peak_29566	chr14	46905728	46906189	89456	Intergenic	NM_001044886	si:ch211-240l14.:	5.207451528	6.591516671	-1.384065144	0.001793
peak_40086	chr3	52418193	52418680	113525	intron (NM_001040245, intron 3 of 12)	NM_001040245	baiap2a	4.412286634	5.796363083	-1.384076449	0.018277
peak_42087	chr6	30537635	30538000	141648	Intergenic	NM_001037669	insl5a	3.905320753	5.289525048	-1.384204295	0.024958
peak_34026	chr23	45084265	45084900	-17084	Intergenic	NM_001201337	LOC794400	4.933779378	6.318064093	-1.384284716	0.005548
peak_32986	chr17	46319277	46319566	343752	Intergenic	NR_029933		4.566244234	5.950610415	-1.384366181	0.004385
peak_32882	chr8	278693	279287	26031	exon (NM_199992, exon 18 of 20)	NM_001017895	commd10	5.57595591	6.960655221	-1.384699312	0.004258
peak_35438	chr8	53534317	53534707	36800	intron (NM_001040037, intron 1 of 19)	NM_001040037	bmp1a	5.006874217	6.391615198	-1.38474098	0.007553
peak_34093	chr11	1100480	1100809	-46699	intron (NM_212882_3, intron 5 of 8)	NM_001123238_1	atp2b2	4.275608918	5.660390682	-1.384781763	0.005636
peak_32064	chr23	31504806	31505266	21062	Intergenic	NM_001020771	irak1bp1	4.364932445	5.750225135	-1.385292691	0.003486
peak_32818	chr8	43375133	43375820	54880	intron (NM_001126472, intron 5 of 7)	NM_001126472	olfml2a	5.021839771	6.407136197	-1.385296426	0.004189
peak_38968	chr1	2670914	2671266	-134981	intron (NM_001109719, intron 3 of 3)	NR_030009		3.449046535	4.834471283	-1.385424748	0.015182
peak_31594	chr10	21202402	21203055	240548	Intergenic	NM_001201442	avd	5.55970608	6.945226039	-1.385519959	0.003079
peak_35032	chr14	44660500	44661414	251656	Intergenic	NM_001115099	pcdh18b	5.85521994	7.241132544	-1.385912604	0.006914
peak_43796	chr4	18685473	18685794	-8912	Intergenic	NM_001013274	hgfa	4.050765939	5.436736101	-1.385970162	0.032173
peak_43383	chr17	707214	707560	48437	Intergenic	NM_213316	arhgap11a	4.180317088	5.566429532	-1.386112443	0.03035
peak_28891	chr17	29745897	29746269	190363	Intergenic	NM_212954	esrrga	4.886118348	6.272371339	-1.386252991	0.001461
peak_30797	chr9	2213505	2214133	-115170	Intergenic	NM_201176	atp5g3a	5.471080849	6.857378213	-1.386297365	0.002487
peak_36835	chr5	48457307	48457832	-239246	Intergenic	NM_199995	cox7c	4.387228713	5.773544753	-1.386316041	0.010194
peak_40191	chr16	47009844	47010149	-29626	Intergenic	NM_001039635	zfpm2a	4.018491687	5.404959955	-1.386468268	0.018587
peak_33900	chr22	20714197	20714571	9232	intron (NM_001037391, intron 5 of 10)	NM_001037391	map2k2a	4.500574775	5.8872334	-1.386658625	0.005402
peak_34470	chr7	76904411	76905378	-55405	Intergenic	NM_001089531	zgc:163061	5.377182027	6.763849756	-1.386667729	0.006144
peak_39080	chr25	17255235	17255801	17378	intron (NM_205672, intron 1 of 5)	NM_205672	zgc:77158	5.474080608	6.860847849	-1.38676724	0.015466
peak_33871	chr21	28423339	28423968	70787	intron (NM_001198550, intron 2 of 13)	NM_001198550	ppp3ca	5.693498055	7.080280096	-1.386782041	0.005363
peak_35971	chr24	4248097	4248463	-21688	Intergenic	NM_201461	klf6a	4.922181637	6.308998025	-1.386816389	0.008484
peak_36452	chr13	45765375	45765744	9723	intron (NM_131604, intron 3 of 8)	NM_131604	runx3	4.097825209	5.484674655	-1.386849446	0.009446
peak_28022	chr21	7958633	7959162	-36636	Intergenic	NM_001159586	lhx2a	5.776623881	7.163660072	-1.387036191	0.001111
peak_31258	chr18	38563390	38563999	-88395	Intergenic	NM_001017682	sema6dl	4.957365387	6.344676889	-1.387311502	0.002813
peak_32627	chr22	41233254	41234027	-191	promoter-TSS (NM_001002172)	NM_001002172	elavl2	5.797747928	7.185060473	-1.387312545	0.004005
peak_25271	chr15	37603065	37604042	98635	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	7.963461268	9.350971939	-1.387510671	0.000428
peak_34802	chr2	56717278	56717714	43547	Intergenic	NM_001002555	rab11bb	5.485412503	6.872991734	-1.387579231	0.006557
peak_26934	chr25	20820714	20821854	51544	Intergenic	NM_001006012	kctd15a	6.790627809	8.178305614	-1.387677805	0.000763
peak_27061	chr24	541567	542014	44529	intron (NM_001013328, intron 2 of 4)	NM_001083003	lancl2	6.470089187	7.857885451	-1.387796265	0.000792
peak_40401	chr10	31938721	31939057	-141075	Intergenic	NM_001005580	opcml	4.276743633	5.664822895	-1.388079263	0.01924
peak_35298	chr12	47146004	47147090	-46311	Intergenic	NM_001083007	zgc:153932	6.357443976	7.745530961	-1.388086985	0.007318
peak_42474	chr9	4319220	4319534	-296287	Intergenic	NM_001020664	rprma	3.893534166	5.281649216	-1.38811505	0.026334
peak_35965	chr8	14553130	14553512	13364	intron (NM_001002472, intron 4 of 19)	NM_001002472	atp2b3a	3.438945476	4.827129716	-1.388184241	0.008473
peak_25178	chr14	35130313	35131320	201	intron (NM_001097587, intron 1 of 28)	NM_001097587	cyfip2	7.622565574	9.010763194	-1.38819762	0.000413
peak_26812	chr15	39331802	39332928	141073	Intergenic	NM_001077577	fat3a	7.203868174	8.592354203	-1.388486029	0.000733
peak_36415	chr23	1139907	1140668	16489	Intergenic	NM_001281802	psmb11b	5.809602052	7.19813503	-1.388532978	0.009368
peak_34596	chr11	5129988	5130293	-305464	Intergenic	NM_001077310		4.031994474	5.420564557	-1.388570083	0.006317
peak_35929	chr16	37082152	37082720	17486	Intergenic	NM_001017850	stmn1b	4.478003463	5.866741379	-1.388737915	0.008402
peak_37641	chr6	50406288	50406917	3497	TTS (NM_001126109)	NM_001126109	mych	4.912723933	6.301626082	-1.388902149	0.011929
peak_41047	chr13	1705870	1706425	-17796	Intergenic	NM_001110400_1	hmgcll1	4.960193277	6.34910118	-1.388907903	0.021486
peak_43978	chr6	17429872	17430752	-568506	Intergenic	NM_131029	ntn1a	3.081035483	4.470231694	-1.389196211	0.03285
peak_31583	chr18	19301691	19302209	-30159	Intergenic	NM_001080163	snapc5	4.868119378	6.257328647	-1.389209269	0.003067
peak_37791	chr23	29354458	29354818	-246206	Intergenic	NM_198364	tardbpl	4.656389079	6.045709749	-1.38932067	0.012265
peak_40861	chr19	2990861	2991134	20644	Intergenic	NM_200124	sp4	3.842248838	5.231606269	-1.389357431	0.020759
peak_38545	chr2	6735104	6735375	31046	intron (NM_001126390, intron 2 of 14)	NM_001126390	si:dkey-60b12.7	3.598418383	4.987882311	-1.389463928	0.014092
peak_39070	chr5	4707271	4707611	-35351	Intergenic	NM_001030230	angptl2a	4.66594746	6.055514345	-1.389566885	0.015438
peak_36172	chr9	41739311	41739597	119734	Intergenic	NM_001128564	vwc2l	3.922906591	5.312540633	-1.389634043	0.008885
peak_40158	chr25	20222305	20222679	-1618	Intergenic	NM_001004622	zgc:101783	2.552201346	3.941885819	-1.389684472	0.018485
peak_24751	chr11	24616392	24617377	-116108	Intergenic	NM_001145767	nfasca	8.858185213	10.24787953	-1.389694317	0.000352
peak_39298	chr3	20683419	20683978	23447	intron (NM_201130, intron 3 of 8)	NM_201130	spop	5.49421927	6.883956705	-1.389737435	0.016064
peak_26267	chr23	45814073	45815225	-17851	intron (NM_130919_1, intron 3 of 3)	NM_001001826	zgc:85866	8.263447049	9.653214795	-1.389767746	0.000602
peak_30935	chr6	37876097	37876577	-178278	Intergenic	NM_001006062	nipa1	5.325903537	6.715679699	-1.389776162	0.002576
peak_43423	chr21	3427041	3427387	-227273	Intergenic	NM_213302	hnrnpabb	4.347758476	5.737643032	-1.389884556	0.030525
peak_36851	chr25	10531119	10531554	-96469	Intergenic	NM_001039822	ehf	4.165691145	5.555666027	-1.389974882	0.010238
peak_39920	chr23	1153101	1153474	3489	exon (NM_001281802, exon 2 of 2)	NM_001281802	psmb11b	3.210458296	4.600510475	-1.390052179	0.017775
peak_35053	chr13	52151567	52152233	-48658	Intergenic	NM_001037690	sdr42e1	6.4578565	7.847930128	-1.390073629	0.006945
peak_38869	chr10	2167176	2167509	-177259	Intergenic	NM_131092	oep	3.722150645	5.112224599	-1.390073953	0.014921
peak_35154	chr16	3868459	3869408	-143969	Intergenic	NM_001020660	cyb5r4	6.071548267	7.461684058	-1.390135791	0.007113
peak_28747	chr7	28856173	28857120	-44757	Intergenic	NM_001002471	calca	6.688341143	8.078497739	-1.390156595	0.001394
peak_33101	chr14	33135863	33136280	-7433	Intergenic	NM_001007399	fgf13a	5.317625839	6.707785692	-1.390159853	0.004507
peak_28367	chr7	16015906	16016855	4895	intron (NM_200799, intron 1 of 4)	NM_200799	zgc:73349	5.671159724	7.061419794	-1.39026007	0.001235
peak_28755	chr7	540204	541012	-23948	intron (NM_001079984, intron 3 of 8)	NM_001079984_1	nrxn2b	6.53971699	7.930006368	-1.390289378	0.001397
peak_31801	chr25	29133437	29134244	-5772	Intergenic	NM_001114348	fezf1	5.467081108	6.857385086	-1.390303978	0.003263
peak_36669	chr6	44836768	44837418	-503811	Intergenic	NM_001256392	pdzrn3b	5.39139463	6.78173212	-1.39033749	0.009861
peak_28087	chr2	48284166	48284943	81325	Intergenic	NM_213487	pitrm1	5.795001776	7.185510641	-1.390508865	0.001136
peak_38758	chr1	42610692	42611316	-51232	Intergenic	NM_001159372	ctnna2	4.856738313	6.247284132	-1.390545819	0.01463
peak_36117	chr16	34221469	34222014	3480	exon (NM_199528, exon 3 of 4)	NM_199528	rbp1a	5.327031342	6.71761774	-1.390586397	0.008766
peak_29771	chr14	4214344	4214683	7803	intron (NM_001163293, intron 2 of 19)	NM_001163293	snx25	4.958780025	6.349611854	-1.390831829	0.001902
peak_39552	chr19	40528750	40529140	-457442	Intergenic	NM_213278	sfpq	3.280142431	4.671087592	-1.390945161	0.016771
peak_36730	chr8	16079911	16080377	-257665	Intergenic	NM_001017814	spata6	5.272768221	6.66371593	-1.390947708	0.009969
peak_34095	chr5	50279079	50279613	167967	Intergenic	NM_001123267	mblac2	4.885374666	6.276347064	-1.390972399	0.005637
peak_39893	chr6	43833848	43834670	-250	promoter-TSS (NM_001114434)	NM_001114434	gpr27	4.773033294	6.164021453	-1.390988158	0.017686
peak_32966	chr5	33419940	33420389	-8452	Intergenic	NM_001160020	slc25a25b	4.784247197	6.175328797	-1.3910816	0.004367
peak_25915	chr3	58759111	58759914	-3496	Intergenic	NM_001161654	notum1a	6.898550632	8.289698128	-1.391147496	0.000535
peak_31893	chr1	30560516	30560996	-106730	Intergenic	NM_178296	gli1	5.30822336	6.699373267	-1.391149907	0.003343
peak_37255	chr23	17956697	17958927	3681	Intergenic	NR_030063		7.196533516	8.587685791	-1.391152275	0.01112
peak_28160	chr6	31598892	31599696	118076	Intergenic	NM_201025	pgm1	6.592493767	7.983735606	-1.391241839	0.001162
peak_37300	chr5	37544957	37545285	-28220	Intergenic	NM_001004659	zgc:103697	3.735417151	5.126862603	-1.391445452	0.011215
peak_29064	chr14	53053968	53054757	-61613	Intergenic	NM_199952	ube2d2l	5.748610487	7.140132366	-1.391521879	0.001542
peak_26598	chr11	29451967	29452756	39087	Intergenic	NM_001006070	dhrs3b	7.132949774	8.52451968	-1.391569906	0.000675
peak_40714	chr13	27783255	27783602	-205505	Intergenic	NM_001114589	ddx43	3.877168754	5.268759619	-1.391590865	0.020282
peak_29494	chr20	10311899	10312509	-6390	Intergenic	NM_130910	meis2b	5.753916694	7.145526621	-1.391609928	0.001754
peak_31820	chr21	3559813	3560213	129356	Intergenic	NM_175082	smad7	5.093967964	6.485804829	-1.391836865	0.003286
peak_38073	chr13	46696127	46696460	-48821	Intergenic	NM_213133	marcksl1a	4.143397819	5.53530242	-1.391904601	0.012936
peak_39257	chr12	17904654	17905106	60210	Intergenic	NM_001103118_1	MGC174155	3.451058288	4.84296921	-1.391910922	0.015991
peak_39831	chr19	39142238	39142621	-26810	Intergenic	NM_001122760	thsd7a	4.455131873	5.847201909	-1.392070036	0.017509
peak_33917	chr10	44921371	44921798	134683	Intergenic	NR_045221		5.431293272	6.823676766	-1.392383494	0.005433
peak_31730	chr5	4875986	4876770	27009	Intergenic	NM_001110024	zbtb43	6.088143836	7.480662203	-1.392518366	0.003201
peak_30791	chr22	23090075	23090658	-3489	Intergenic	NM_131463	nr5a2	4.981964068	6.374692675	-1.392728607	0.002479
peak_36151	chr24	39846564	39847886	44254	Intergenic	NM_001003498_1	zgc:91999	6.286369273	7.679189662	-1.392820388	0.008835
peak_30377	chr20	7942505	7943033	180702	Intergenic	NM_001244756	bloc1s2	4.752693915	6.145532937	-1.392839022	0.002237
peak_34905	chr5	36030147	36030543	-136970	Intergenic	NM_198870	aif1l	5.073796728	6.466786987	-1.392990259	0.006723
peak_30441	chr23	41392337	41392910	-223213	Intergenic	NM_001139458	si:dkey-194e6.1	5.34607482	6.739198539	-1.393123719	0.002276
peak_32628	chr3	8414859	8415370	-19862	Intergenic	NM_212750	junbb	4.541856033	5.935017422	-1.393161389	0.004005
peak_33643	chr14	21632460	21632723	260422	Intergenic	NM_001080068	ids	4.000666855	5.393829768	-1.393162913	0.005081
peak_36053	chr9	16843640	16844147	-93856	Intergenic	NM_001113633	si:dkey-103d23.5	4.954490577	6.347923864	-1.393433287	0.008618
peak_35119	chr21	38564515	38564836	24310	intron (NM_131575, intron 1 of 14)	NM_131575	plrdgb	4.697740259	6.091181919	-1.39344166	0.007067
peak_40638	chr14	17021387	17021671	455333	Intergenic	NM_001044746	cnga5	4.066598018	5.460043	-1.393444981	0.02004
peak_36294	chr10	26237534	26237936	96124	Intergenic	NM_131294	sod1	4.610221378	6.003691363	-1.393469985	0.009113
peak_32971	chr5	6526655	6527038	14396	Intergenic	NM_001013333	zgc:110796	4.493759878	5.887292623	-1.393532744	0.004373
peak_37660	chr18	3252635	3253317	667399	Intergenic	NM_001045470	fam168a	4.715471362	6.109327575	-1.393856213	0.011959

peak_25648	chr12	49427745	49428389	20	promoter-TSS (NM_139133)	NM_139133	ndr2	7.190348572	8.584211282	-1.39386271	0.000487
peak_36236	chr1	26005482	26007132	-72237	Intergenic	NM_001122755	bnc2	5.801740793	7.195629257	-1.393888463	0.008987
peak_41191	chr10	6846049	6846651	3837	intron (NM_001290080, intron 1 of 8)	NM_001290080	mat2aa	5.299285064	6.693253153	-1.393968089	0.021979
peak_34080	chr12	37780398	37781676	65426	Intergenic	NM_001110465	dnai2a	6.873390491	8.267424749	-1.394034259	0.005619
peak_29307	chr25	15074260	15075263	-55970	Intergenic	NM_200452	dnajc24	6.283267446	7.677424016	-1.394156571	0.00167
peak_35714	chr10	13219626	13220114	-16708	Intergenic	NM_001004512	si:busm1-57f23.1	3.546567647	4.940808603	-1.394240956	0.008051
peak_37025	chr6	31451997	31452455	265144	Intergenic	NM_201025	pgm1	5.367095965	6.761586417	-1.394490452	0.010613
peak_28040	chr13	47006563	47007038	33817	intron (NM_178303, intron 2 of 17)	NM_001243004	fgfr2	5.983027522	7.377532064	-1.394504542	0.001118
peak_38096	chr10	14662281	14662838	-75925	Intergenic	NM_001045421	zgc:153395	4.960193277	6.354752341	-1.394559064	0.012983
peak_41492	chr20	54364004	54364325	5386	Intergenic	NM_001045141	si:dkey-241l7.6	4.367064887	5.761650179	-1.394585292	0.022881
peak_28026	chr3	43254465	43255629	-14128	Intergenic	NM_200517	zfand2a	6.876959888	8.271613384	-1.394653496	0.001112
peak_33319	chr1	6227168	6227445	53144	intron (NM_001143751_1, intron 9 of 9)	NM_001143751_1	erbb4a	3.993783045	5.388513959	-1.394730914	0.004722
peak_31523	chr14	5953572	5953978	10610	Intergenic	NM_001037241	kctd8	4.622769162	6.017543611	-1.394774449	0.003019
peak_26623	chr7	47641301	47641898	12006	Intergenic	NM_130995	ccne1	6.988924564	8.383827811	-1.394903247	0.000682
peak_39827	chr16	51125939	51126407	478652	Intergenic	NM_001003763	eif3ha	4.871171366	6.266343935	-1.395172569	0.017496
peak_43621	chr8	43573361	43573685	-20100	Intergenic	NM_200838	golga1	3.653720264	5.049001915	-1.395281651	0.03132
peak_34720	chr12	49634444	49635346	1457	exon (NM_200107, exon 3 of 5)	NM_200107	ddit4	6.304857706	7.700310947	-1.395453242	0.006453
peak_37047	chr17	26949602	26950093	-54229	Intergenic	NM_001077775	rps6ka1	4.832977038	6.228447664	-1.395470626	0.010653
peak_41516	chr20	48900119	48900511	-20777	Intergenic	NR_030665		4.500574775	5.896133448	-1.395558673	0.02298
peak_39271	chr21	26023782	26024184	9629	intron (NM_212955, intron 5 of 5)	NM_212955	esrra	4.460134894	5.855792059	-1.395657164	0.016012
peak_38810	chr5	29372544	29372946	139461	Intergenic	NM_001013472	zgc:110340	4.297082589	5.692785573	-1.395702984	0.014797
peak_35565	chr15	17417221	17417711	100855	intron (NM_131831, intron 6 of 19)	NM_131831	ncam1b	4.735465301	6.131196444	-1.395731143	0.007777
peak_40411	chr1	33083617	33083952	16758	intron (NM_001256719, intron 3 of 6)	NM_001256719	dhrsx	4.26649893	5.66230359	-1.39580466	0.019288
peak_39825	chr6	48810016	48810340	-159296	Intergenic	NM_001256640	si:ch211-105j21.7	3.974250173	5.370125782	-1.395875609	0.017493
peak_34910	chr12	26067888	26068813	-176956	intron (NM_001080021, intron 16 of 21)	NM_001001812	fshr	5.592024745	6.988009765	-1.39598502	0.006736
peak_25087	chr5	37958029	37959100	-29713	Intergenic	NM_131805	efnb1	7.23915338	8.635166124	-1.396012744	0.000401
peak_25139	chr18	553619	554916	-52839	Intergenic	NM_001014356	fam219b	6.604783811	8.00079912	-1.396015309	0.000407
peak_27389	chr17	24231970	24232476	-35466	Intergenic	NM_199969	mdh1b	6.55995272	7.955991682	-1.396038962	0.000889
peak_32342	chr1	60094774	60095529	-26845	Intergenic	NM_001045442	zgc:153247	5.485903181	6.882277498	-1.396374317	0.003731
peak_41451	chr8	46279484	46279750	-81486	Intergenic	NM_001130631	ulk1a	3.171803318	4.568270713	-1.396467395	0.022777
peak_36212	chr22	37573983	37574566	12989	exon (NM_212870, exon 7 of 8)	NM_212870	hoga1	5.548447992	6.944962276	-1.396514284	0.008937
peak_39755	chr8	52708072	52708590	-63955	Intergenic	NM_001002419	entpd4	4.676353226	6.072920662	-1.396567436	0.017261
peak_36732	chr21	19523313	19523744	-19387	Intergenic	NM_213226	zgc:85869	4.122091483	5.518681311	-1.396589828	0.009969
peak_41078	chr20	1659467	1659831	-109374	Intergenic	NM_001278799	lama2	3.96864384	5.365341781	-1.396697942	0.021628
peak_29618	chr4	16149669	16150340	-25924	Intergenic	NM_001033585	sox5	6.894306002	8.291006361	-1.396700358	0.001811
peak_38307	chr14	7414161	7415080	-5796	Intergenic	NM_001256636	gfra3	5.002765615	6.399493101	-1.396727485	0.013537
peak_28690	chr24	11586128	11586836	7225	intron (NM_205728, intron 1 of 14)	NM_205728	gli3	7.456355044	8.853184007	-1.396828963	0.001364
peak_38001	chr10	26289163	26289571	44492	Intergenic	NM_131294	sod1	4.819024807	6.21596229	-1.396937483	0.012756
peak_29800	chr15	37516276	37516993	11716	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	6.589770563	7.986785157	-1.397014594	0.001917
peak_25897	chr7	27258106	27259684	-39654	Intergenic	NM_001123054	si:ch211-138a11.	7.975421978	9.372459814	-1.397037836	0.000532
peak_33286	chr25	7855069	7855422	-12696	Intergenic	NM_001128733	syt12	4.368129927	5.765222523	-1.397092595	0.00468
peak_35716	chr25	35732870	35733217	-37495	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	4.077057032	5.474309186	-1.397252154	0.008053
peak_25617	chr6	11690365	11691186	19045	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	7.229197849	8.626513053	-1.397315204	0.000483
peak_31906	chr1	46614328	46614655	-76949	Intergenic	NM_001037662	sox1b	4.682359636	6.079855068	-1.397495431	0.003352
peak_27555	chr16	12715015	12715890	170537	Intergenic	NM_131602	dedd1	7.276585298	8.67419947	-1.397614172	0.000944
peak_30250	chr3	14606047	14606641	80224	intron (NM_001040248, intron 3 of 10)	NM_201195	nme4	6.383794706	7.781462395	-1.39766769	0.002169
peak_38277	chr7	20101160	20101459	-5247	Intergenic	NM_001017819	mllt3	3.991020297	5.388742159	-1.397721861	0.013453
peak_37658	chr7	15893258	15893720	127786	Intergenic	NM_200799	zgc:73349	4.723815645	6.121542766	-1.397727121	0.011956
peak_35037	chr1	53495304	53495695	207288	Intergenic	NM_001081629	smarca5	4.787435225	6.18533177	-1.397896545	0.006918
peak_33746	chr19	46383463	46384147	-482926	Intergenic	NM_001083814	ptpro	4.554074368	5.952233294	-1.398158926	0.005199
peak_37762	chr19	34343209	34343692	-11345	Intergenic	NM_001044847	spire1a	4.626334289	6.024497425	-1.398163136	0.01219
peak_34766	chr15	19193826	19194205	637	intron (NM_200810, intron 1 of 4)	NM_200810	ppp1r14ab	4.956657547	6.35483538	-1.398177832	0.00651
peak_32768	chr3	14860348	14860624	-28226	Intergenic	NM_001077151	kctd13	4.231678245	5.629985347	-1.398307102	0.004144
peak_38141	chr1	39870846	39871456	-35585	Intergenic	NM_130968	tenm3	4.982700169	6.381028867	-1.398328699	0.013105
peak_41357	chr9	45155627	45155928	199796	Intergenic	NM_001089474	cerkl	3.982700169	5.38112626	-1.398426091	0.022511
peak_38640	chr3	34224799	34225193	-787	promoter-TSS (NM_001288641)	NM_001288641	si:dkey-204f11.6	3.84531137	5.243815325	-1.398503955	0.014308
peak_40606	chr1	11740896	11741395	50510	Intergenic	NM_200896	zgc:77739	4.81668626	6.215190366	-1.398504106	0.019931
peak_31869	chr2	4535862	4536490	-106222	Intergenic	NM_199681	phb2a	5.032666307	6.431231668	-1.398565361	0.003329
peak_32841	chr21	6524944	6525545	-182960	Intergenic	NM_001003486	olfm1b	5.108698398	6.50726961	-1.398571212	0.004215
peak_35080	chr18	19496335	19496727	-57192	Intergenic	NM_175083	smad3b	4.414350268	5.81310708	-1.398756812	0.007006
peak_34059	chr21	32431776	32432070	-45259	Intergenic	NM_200026	rps14	4.124614504	5.523387118	-1.398772614	0.005595
peak_28430	chr9	3408329	3408864	-11442	Intergenic	NM_131311	dlx2a	6.094289795	7.493066142	-1.398776347	0.00126
peak_41341	chr3	54154153	54154481	-7715	Intergenic	NM_001105527	zgc:171711	4.129647348	5.52852653	-1.398879182	0.022438
peak_29176	chr8	39115854	39116710	84680	Intergenic	NM_001039526	prlhr2a	6.480250286	7.879179247	-1.398928961	0.001597
peak_25776	chr3	46743599	46745183	-57760	Intergenic	NM_201053	prkcsh	7.013185477	8.412153155	-1.398967678	0.000509
peak_32395	chr24	6737365	6737833	-278522	Intergenic	NM_131774	anxa13	4.720483721	6.119786439	-1.399302718	0.003784
peak_28444	chr9	31140993	31142187	-429	promoter-TSS (NM_001005774)	NM_001005774	jagn1a	6.604318768	8.003861921	-1.399543153	0.001266
peak_34917	chr8	43909965	43910328	223791	Intergenic	NM_001123259	si:ch211-158d24.	4.590227006	5.989790416	-1.39956341	0.00675
peak_36405	chr17	18561869	18562551	65166	Intergenic	NM_213385	vrk1	5.745721291	7.145401049	-1.399679758	0.009344
peak_30809	chr14	37617993	37618572	-126	promoter-TSS (NM_001004013)	NM_001004013	spata4	5.070529039	6.470272769	-1.39974373	0.002496
peak_31630	chr14	5239903	5240362	-151893	Intergenic	NM_001007134	lbx2	4.78105211	6.180969666	-1.399917557	0.003105
peak_38740	chr20	53046505	53047082	142183	Intergenic	NM_200777	tbc1d7	4.282403856	5.682327975	-1.399924119	0.014567
peak_41036	chr5	70439863	70440759	-4813	Intergenic	NM_001089554	si:dkey-251i10.1	6.011312039	7.411337144	-1.400025105	0.021446
peak_25475	chr22	2415141	2415847	-31440	Intergenic	NM_001100096	si:ch73-138e16.2	8.252590004	9.652668298	-1.400078294	0.00046
peak_36422	chr9	52285699	52286167	-325615	Intergenic	NM_001242770	gcgb	5.058043882	6.458143134	-1.400099252	0.009382
peak_37619	chr2	19657900	19658278	-38958	Intergenic	NM_131614	pbx1a	4.357443976	5.757566155	-1.400122178	0.011879
peak_32707	chr2	46202496	46202955	27893	intron (NM_201020, intron 1 of 1)	NM_201020	gpc1b	4.710392536	6.110714003	-1.400321467	0.004092
peak_32396	chr1	8274082	8274516	-823	promoter-TSS (NM_001110102)	NM_001110102	chtf18	5.076443574	6.476810944	-1.40036737	0.003784
peak_36032	chr6	12367549	12367969	3573	intron (NM_001045348, intron 2 of 12)	NM_001045348	gpd2	5.30933272	6.709718402	-1.400385683	0.008576
peak_43809	chr10	32451356	32451729	1654	intron (NM_131482, intron 1 of 26)	NM_131482	robo3	3.950271315	5.350698505	-1.400427189	0.032216
peak_32101	chr19	14250059	14250450	-102780	Intergenic	NM_131258	oprd1a	4.666813271	6.067263497	-1.400450226	0.003506
peak_39842	chr17	16829698	16830103	115272	intron (NM_001080009, intron 19 of 23)	NM_212789	dio2	4.323741357	5.724306468	-1.400565112	0.017542
peak_30286	chr7	7449526	7450177	-8080	Intergenic	NM_213311	pnp5a	5.866989699	7.267558452	-1.400568753	0.002184
peak_41183	chr17	12073814	12074056	50956	Intergenic	NM_001002359	sccpdha	3.866568977	5.267142595	-1.400573618	0.021953
peak_30878	chr18	25017645	25017992	8599	Intergenic	NM_001044330	si:dkeyp-59c12.1	4.501545709	5.902556436	-1.401010727	0.002544
peak_29206	chr20	23969986	23970478	27367	Intergenic	NM_212819	cx52.6	6.314054126	7.715104514	-1.401050388	0.00161
peak_31856	chr25	151702	152063	-10405	intron (NM_180969_1, intron 1 of 10)	NM_001077771_1	zgc:109782	4.743695067	6.144799572	-1.401104505	0.003322
peak_33786	chr11	34023564	34024163	430968	Intergenic	NM_001024389	lims1	5.231678245	6.632788058	-1.401109813	0.005245
peak_42978	chr5	51666076	51666351	138640	intron (NM_200418, intron 4 of 6)	NM_131180	nr2f1a	4.127133121	5.528286391	-1.401153271	0.028564
peak_28808	chr6	11794471	11795321	-71836	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	5.235218809	6.636408485	-1.401189676	0.001423
peak_39139	chr13	1752539	1752864	28758	intron (NM_001110400_1, intron 4 of 5)	NM_001110400_1	hmgcll1	3.755185932	5.156418719	-1.401232787	0.015658
peak_31092	chr17	11595112	11595694	-292203	intron (NM_001037400, intron 9 of 11)	NM_001030187	psma3	5.551263923	6.952519481	-1.401255559	0.00268
peak_37960	chr1	5256172	5256561	101226	Intergenic	NM_001020643	klf7a	3.806462687	5.207835282	-1.401372595	0.012655
peak_36442	chr21	8702098	8702562	18351	intron (NM_001037701, intron 1 of 14)	NM_001037701	mapk10	5.075791826	6.477167328	-1.401375502	0.009426
peak_42909	chr20	7799604	7799993	37731	Intergenic	NM_001244756	bloc1s2	3.975648359	5.377101816	-1.401453456	0.028183
peak_30414	chr6	35284564	35285157	26505	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	5.507385829	6.908939581	-1.401553751	0.002263
peak_33956	chr3	58794672	58795247	-16925	Intergenic	NM_200826	pycr1a	5.039367488	6.440934359	-1.401566871	0.005476
peak_31608	chr17	8483050	8484370	35046	intron (NM_131715, intron 1 of 8)	NM_001195491	ctbp2a	6.371351325	7.773209208	-1.401857883	0.00309
peak_36254	chr2	40078121	40078492	-3593	Intergenic	NM_153658	epha4b	4.306002077	5.7079604	-1.401958322	0.009026
peak_37481	chr6	3938837	3939204	-70686	Intergenic	NM_200247	unc50	4.562527284	5.964511651	-1.401984367	0.01163
peak_28387	chr14	11262410	11263303	109868	Intergenic	NM_001077781	zdhhc15b	6.818601223	8.22084393	-1.402242707	0.001243
peak_29180	chr22	35333344	35334520	21646	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	7.191401922	8.593830821	-1.402428899	0.001598
peak_43241	chr6	10975966	10976338	8692	Intergenic	NM_213124	sumo3a	3.889089251	5.291528086	-1.402438835	0.029705
peak_43718	chr15	19004341	19004804	52842	Intergenic	NM_001017764	zgc:112083	3.872673052	5.275146898	-1.402473846	0.031836
peak_35126	chr23	17797510	17797997	30313	Intergenic	NM_001030133	bhlhe23	4.130902821	5.533568858	-1.402666037	0.007081

peak_28353	chr13	47048907	47049525	-8599	Intergenic	NM_001243005	fgfr2	6.56507017	7.967828182	-1.402758012	0.001231
peak_28971	chr20	2375680	2376453	116699	Intergenic	NM_001044800	tmem200a	5.548447992	6.951333773	-1.402885782	0.001498
peak_31650	chr19	42275026	42275379	-101156	Intergenic	NM_001128704	pdk4	4.421549829	5.824598859	-1.40304903	0.003124
peak_36682	chr7	16159998	16161167	-55429	Intergenic	NM_152969	igf1rb	5.342828025	6.746034679	-1.403206655	0.00988
peak_32292	chr10	35373296	35373685	253326	Intergenic	NM_001114706_1	zgc:174193	4.230507512	5.633775935	-1.403268423	0.003684
peak_26769	chr8	12667072	12668251	32032	Intergenic	NM_001024214	endog	6.450555613	7.853831661	-1.403276048	0.000721
peak_33744	chr18	42517554	42517791	12530	intron (NM_001081628, intron 1 of 18)	NM_001081628	cdon	3.84531137	5.248597308	-1.403285938	0.005199
peak_29210	chr14	5383927	5384434	-7845	Intergenic	NM_001007134	lbx2	5.830661017	7.233982597	-1.40332158	0.001612
peak_43900	chr14	23451086	23451427	-8952	Intergenic	NM_001012383	gdf9	4.138412798	5.541879449	-1.403466651	0.03256
peak_42770	chr5	6009122	6009436	261688	Intergenic	NM_205570	zgc:73226	3.205700064	4.609189399	-1.403489335	0.027578
peak_33313	chr16	23229180	23229708	-106999	Intergenic	NM_001110396	snx10b	7.218903828	8.622804857	-1.403901029	0.004713
peak_31860	chr7	73736791	73737614	151155	Intergenic	NM_001115141	dhx15	5.803687165	7.207616167	-1.403929002	0.003324
peak_34499	chr24	31710927	31711553	32385	Intergenic	NM_001013562	ptbp2a	5.077095029	6.481119318	-1.404024289	0.006192
peak_32438	chr14	33811061	33811994	3397	intron (NM_001201463, intron 3 of 5)	NM_001201463	chic1	5.529981478	6.934102036	-1.404120558	0.003825
peak_38192	chr22	13295871	13296399	7888	intron (NM_131264, intron 1 of 10)	NM_131264	ahr2	4.649346427	6.053613681	-1.404267254	0.01326
peak_34367	chr15	3871056	3871492	-51949	Intergenic	NM_001002671	clrn1	5.126503879	6.530775817	-1.404271939	0.006001
peak_30207	chr1	2062254	2062996	45392	Intergenic	NM_001145604	kpnb3	6.284943729	7.689257668	-1.404313938	0.002148
peak_39738	chr4	658037	658995	-22683	Intergenic	NM_001039109	ripply2	5.825995179	7.230353362	-1.404358183	0.017234
peak_28860	chr13	54029369	54030359	-17111	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	6.114776105	7.519195468	-1.404419363	0.001449
peak_31032	chr4	23050262	23051011	-151127	Intergenic	NM_194401	celf2	6.051058865	7.45551875	-1.404459885	0.002642
peak_34932	chr25	643783	644214	-10476	Intergenic	NM_001098393	zgc:162740	5.153388562	6.558016032	-1.404627471	0.006773
peak_31243	chr5	25492279	25492821	-27927	Intergenic	NM_200125	gbgt1l4	5.265894306	6.67052714	-1.404632834	0.002803
peak_30081	chr5	1736333	1736708	-40442	intron (NM_001245965, intron 21 of 22)	NR_029931		5.134662696	6.539508934	-1.404846238	0.002068
peak_24815	chr7	76332428	76333339	64047	Intergenic	NR_034276		6.987192641	8.392053046	-1.404860405	0.000361
peak_27227	chr25	630172	631335	-23721	Intergenic	NM_001098393	zgc:162740	6.735635511	8.140583751	-1.404948239	0.00084
peak_36550	chr20	25293475	25293796	38750	intron (NM_001045206, intron 10 of 11)	NM_001045206	moxd1	4.294778726	5.699729058	-1.404950332	0.00965
peak_36761	chr25	35186239	35186830	16358	Intergenic	NM_131285	foxb1a	4.746154871	6.151109914	-1.404955044	0.010043
peak_30002	chr2	28323678	28324366	-180662	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	5.503029169	6.908035158	-1.405005988	0.002025
peak_29946	chr23	17928708	17929134	-25210	Intergenic	NR_030063		5.069874613	6.474988047	-1.405113435	0.001993
peak_33897	chr24	11470643	11471177	122797	intron (NM_205728, intron 2 of 14)	NM_205728	gli3	4.734591559	6.139730399	-1.40513884	0.0054
peak_43272	chr18	38166744	38167080	79966	Intergenic	NM_001080165	gldn	3.989636937	5.394823599	-1.405186662	0.02985
peak_33566	chr16	286285	286875	9170	Intergenic	NM_205698	irx4a	5.040074882	6.445425193	-1.405350311	0.004983
peak_36044	chr21	44140320	44140728	-3613	Intergenic	NM_001040346	pitx1	4.810385827	6.215740639	-1.405354811	0.008597
peak_37863	chr7	4199700	4200076	9870	intron (NM_001008593, intron 1 of 15)	NM_001008593	ndrg2	3.854460154	5.25981794	-1.405357786	0.012437
peak_29278	chr18	22697309	22697789	-77275	intron (NM_200787, intron 3 of 7)	NM_199209	cbfb	5.456605395	6.862018149	-1.405412754	0.001651
peak_24412	chr12	46857658	46858390	-30286	Intergenic	NM_131640	pax2b	8.023888265	9.42935406	-1.405465796	0.000306
peak_35062	chr7	27847214	27847668	12302	intron (NM_212661, intron 2 of 10)	NM_212661	cd82a	4.492783688	5.898646313	-1.405862625	0.006964
peak_37423	chr9	44504632	44504978	106566	intron (NM_212793, intron 2 of 8)	NM_212793	znf385b	3.771377205	5.177274592	-1.405897387	0.011495
peak_27839	chr3	33238313	33238903	12076	intron (NM_131399, intron 1 of 7)	NM_131399	rarab	5.637470398	7.043462704	-1.405992306	0.001045
peak_35051	chr17	2926589	2927782	26226	intron (NM_001040251, intron 13 of 20)	NM_001040251	zgc:136872	6.394549307	7.800619483	-1.406070175	0.006944
peak_27142	chr6	16168410	16169359	155128	Intergenic	NM_001002395	faimb	7.983186102	9.389271751	-1.406085649	0.000816
peak_35897	chr3	45890929	45891324	-74891	Intergenic	NM_212996	h3f3a	4.341201883	5.747431419	-1.406229536	0.008353
peak_34709	chr2	8366309	8366631	29546	Intergenic	NM_001128395	si:ch211-71m22.	3.842248838	5.248550067	-1.406301229	0.006443
peak_29666	chr18	13396628	13397034	464040	Intergenic	NM_001089503	mlycd	5.083593445	6.489928361	-1.406334916	0.001844
peak_30636	chr14	2699588	2700579	-30203	intron (NM_001009586, intron 2 of 4)	NM_001009594	pcdh2ab7	5.732963073	7.139514612	-1.40655154	0.002389
peak_27319	chr6	44748621	44749844	-415950	Intergenic	NM_001256392	pdzrn3b	6.78604133	8.192749541	-1.406708212	0.000867
peak_27134	chr7	55094782	55095275	6756	intron (NM_200989, intron 1 of 10)	NM_200989	pacsin3	5.473557026	6.880372895	-1.406815869	0.000813
peak_26222	chr12	36585378	36586092	-153823	Intergenic	NM_001256248	tbccl	7.513669684	8.9206054	-1.406935716	0.000595
peak_34353	chr25	14766579	14767184	-1363	Intergenic	NM_131178	dbx1b	5.644959288	7.051970595	-1.407011307	0.005985
peak_28355	chr15	40733892	40735094	76558	Intergenic	NM_001007768	farsb	8.123729319	9.530842416	-1.407113096	0.001232
peak_31086	chr20	52721816	52722546	-43733	Intergenic	NM_001144787	si:ch1073-287p1	6.337400409	7.744621806	-1.407221397	0.002677
peak_34303	chr6	55503280	55503902	-67821	Intergenic	NM_200550_1	ctsa	4.19726529	5.604626465	-1.407361175	0.005913
peak_40704	chr13	47038627	47039123	1742	intron (NM_178303, intron 1 of 17)	NM_001243004	fgfr2	4.788231132	6.195699914	-1.407468782	0.02023
peak_29521	chr10	17577764	17578195	2480	intron (NM_001002592, intron 2 of 5)	NM_001002592	ska1	4.995162437	6.402676842	-1.407514405	0.001768
peak_24187	chr11	15981669	15982258	6592	intron (NM_212975, intron 1 of 2)	NM_212975	gdf11	8.432053637	9.839593976	-1.407540338	0.000279
peak_35148	chr1	40842667	40843332	-112337	Intergenic	NM_001077559	scoca	5.429253749	6.836943904	-1.407690155	0.007109
peak_31115	chr12	50575778	50576991	-4296	TTS (NM_001024436)	NM_201107	slc18a3b	5.61606071	7.023966376	-1.407905667	0.002695
peak_29737	chr12	45515207	45515737	-27752	Intergenic	NM_001110011	dock1	5.163239007	6.571206893	-1.407967886	0.001882
peak_28988	chr24	28418508	28419018	22	promoter-TSS (NM_131095)	NM_131095	ek1	5.877520948	7.285644995	-1.408124046	0.001506
peak_35910	chr19	48148109	48148515	-23852	Intergenic	NM_001012369_1	ext1b	3.800163388	5.208307826	-1.408144438	0.008374
peak_30784	chr16	20877891	20878294	-53588	Intergenic	NM_199736	slc6a19b	4.883141315	6.291313519	-1.408172204	0.002476
peak_42931	chr7	1288073	1288389	-216773	intron (NM_200561_1, intron 3 of 5)	NM_001077212	dctn1a	3.667729028	5.075924196	-1.408195169	0.028293
peak_27183	chr13	46949984	46950767	90242	intron (NM_178303, intron 10 of 17)	NM_001243004	fgfr2	6.862451091	8.270692966	-1.408241874	0.000828
peak_38258	chr24	39554712	39555129	31474	Intergenic	NM_001025297	crp2	5.378239627	6.786511917	-1.40827229	0.013402
peak_28425	chr1	39053243	39054009	57678	intron (NM_214687, intron 1 of 6)	NM_214687	gpm6ab	7.27786919	8.686209648	-1.408340458	0.001258
peak_31356	chr24	41963642	41964004	288504	Intergenic	NM_001020507	smyhc1	4.497658046	5.906140568	-1.408482522	0.002889
peak_39215	chr1	26141596	26142051	63279	intron (NM_001122755, intron 4 of 6)	NM_001122755	bnc2	4.778604412	6.187235723	-1.408631311	0.015859
peak_38750	chr5	73324458	73324730	-81339	Intergenic	NM_001278805	pappaa	3.6900456	5.098718899	-1.408673298	0.014603
peak_24026	chr9	38254725	38256394	61414	intron (NM_130967, intron 2 of 13)	NM_130967	gli2a	8.959169911	10.3679497	-1.408779793	0.000259
peak_38208	chr23	41726274	41726936	129435	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	5.014376399	6.423338506	-1.408962107	0.013296
peak_31900	chr13	11149862	11150428	-5765	Intergenic	NM_001082952	zbtb18	5.349314324	6.758319617	-1.409005293	0.003348
peak_29199	chr19	39819325	39820185	148717	Intergenic	NM_001044795	smap2	6.439184085	7.848298662	-1.409114577	0.001607
peak_27728	chr24	36033257	36033821	-8159	Intergenic	NM_131456	ctnna1	5.796189231	7.205308087	-1.409118856	0.001003
peak_33317	chr16	50526595	50526982	-14452	Intergenic	NM_201333	mios	4.391425188	5.800594368	-1.40916918	0.00472
peak_31691	chr15	45235320	45235713	158515	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	4.547508126	5.956823639	-1.409315513	0.003164
peak_29340	chr8	3384455	3384910	59361	Intergenic	NM_001008604	zgc:103510	5.520405368	6.929731518	-1.40932615	0.00168
peak_30089	chr14	53396479	53397211	-22646	Intergenic	NM_213113	rpl26	6.121441614	7.530807488	-1.409365873	0.002073
peak_27209	chr15	36054001	36054585	-110618	Intergenic	NM_001040687	nphs1	5.930157201	7.339624213	-1.409467012	0.000835
peak_38514	chr8	11554733	11555005	18154	exon (NM_001128363, exon 12 of 12)	NM_001128363	si:ch211-204d2.4	3.65197232	5.061466963	-1.409494643	0.014021
peak_28669	chr7	7866031	7866694	-111	promoter-TSS (NM_205544)	NM_205544	actn3b	6.255250623	7.664749877	-1.409499254	0.001358
peak_29053	chr5	3339638	3340543	-178372	Intergenic	NM_213022	ywhag1	5.880531361	7.290036608	-1.409505247	0.001536
peak_28941	chr20	9545247	9545960	11699	intron (NM_001045010, intron 1 of 5)	NM_001045010	si:dkey-174m14.1	6.404750843	7.814327783	-1.40957694	0.001485
peak_37678	chr6	54804930	54805779	-5646	Intergenic	NM_001008613	tnni1b	6.403177903	7.812816913	-1.409639009	0.011993
peak_28619	chr13	48861332	48862045	-75368	Intergenic	NM_001098262	zmp:000000113	5.435871685	6.845658058	-1.409786373	0.001339
peak_41876	chr7	61223703	61224168	82738	intron (NM_131550, intron 8 of 20)	NM_131550	pcxb	4.793790223	6.203947721	-1.410157499	0.024224
peak_40784	chr5	62250289	62250608	-277645	Intergenic	NM_001030174	lig3	4.563403173	5.973677448	-1.410274275	0.020536
peak_33712	chr2	7692258	7692573	89706	Intergenic	NM_001013525	kcnmb2	4.069219889	5.479513649	-1.41029376	0.005165
peak_31612	chr14	6144335	6144989	-20863	Intergenic	NM_001013553	bscl2l	4.730456497	6.141090319	-1.410633822	0.003092
peak_43759	chr18	42521273	42521675	8728	intron (NM_001081628, intron 1 of 18)	NM_001081628	cdon	3.822091642	5.232760201	-1.410668558	0.032027
peak_36535	chr24	14380240	14380576	24871	Intergenic	NM_001163831	prdm14	4.2869161	5.69781078	-1.41089468	0.009626
peak_29063	chr2	53035569	53036114	-21269	exon (NM_130911, exon 7 of 7)	NM_001045238	zgc:136336	5.192463273	6.603365992	-1.410902719	0.001542
peak_31864	chr10	27787995	27788845	56807	intron (NM_152948, intron 3 of 7)	NM_152948	cxadr	5.787037106	7.19809909	-1.411061983	0.003326
peak_33114	chr15	37352484	37353044	-152154	Intergenic	NM_131481	robo1	5.220517732	6.631782172	-1.411264439	0.004525
peak_25022	chr16	12385719	12386571	25	promoter-TSS (NM_131685)	NM_131685	atp1a3b	7.870000214	9.281271976	-1.411271763	0.000391
peak_37284	chr4	19754752	19755078	6228	intron (NM_001045143, intron 1 of 36)	NM_001045143	nav3	4.036020788	5.447357991	-1.411337203	0.011193
peak_40758	chr18	8793208	8793811	-43487	Intergenic	NM_131061	sema3ab	4.776246171	6.187764968	-1.411518797	0.020418
peak_27111	chr21	39791462	39791948	-79809	Intergenic	NM_001076712	bod1	6.153679392	7.565470688	-1.411791296	0.000808
peak_25438	chr12	28850810	28851701	37030	Intergenic	NM_199644	arl4d	6.653758481	8.065550464	-1.411791984	0.000454
peak_29742	chr7	61414794	61415190	-108319	Intergenic	NM_131550	pcxb	4.636144784	6.04806672	-1.411921936	0.001885
peak_35599	chr17	29163228	29163811	14928	Intergenic	NM_131067	foxg1a	4.852178391	6.264105186	-1.411926795	0.00784
peak_35231	chr1	43071681	43072028	409618	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	4.165691145	5.577774765	-1.412083619	0.007233
peak_27641	chr5	34225302	34225835	-102394	Intergenic	NM_212898	ntmt1	6.43460136	7.846868394	-1.412267033	0.000973
peak_36232	chr24	41741697	41742051	-159496	Intergenic	NM_001077598	aoc1	4.396653674	5.808975382	-1.412321707	0.008974
peak_32054	chr4	31141687	31142376	-187422	intron (NM_001114900_1, intron 5 of 10)	NM_001114894	zgc:174653	5.862462114	7.274795378	-1.412333264	0.003473
peak_40590	chr23	36367403	36368124	-2856	Intergenic	NM_175043	nfe2	4.486912637	5.89924947	-1.412336833	0.019912

peak_28435	chr1	17553646	17554152	21	promoter-TSS (NM_200755)	NM_200755	slc25a51a	5.889831022	7.30218135	-1.412350328	0.001262
peak_29689	chr4	1389116	1389522	-19	promoter-TSS (NM_001005944)	NM_001005944	slc38a4	5.293690814	6.706270806	-1.412579993	0.001857
peak_26754	chr7	11757419	11758310	28439	intron (NM_200157, intron 1 of 2)	NM_200157	abhd17c	6.523768423	7.936364408	-1.412595984	0.000716
peak_29623	chr1	35855998	35856555	-46568	Intergenic	NM_001002077	lsm6	5.027956891	6.440644385	-1.412687495	0.001816
peak_38480	chr14	28173328	28173978	362560	Intergenic	NM_001110457	klhl4	4.354159983	5.766897227	-1.412737245	0.01394
peak_27108	chr5	74981	75741	23617	intron (NM_001034985, intron 6 of 14)	NM_001034985	dcc	6.392718822	7.805460558	-1.412741736	0.000807
peak_37405	chr24	25171670	25172131	102394	Intergenic	NM_200955	bhlhe22	4.702814493	6.11581827	-1.413003778	0.011449
peak_32980	chr6	48897212	48897714	-72011	Intergenic	NM_001256640	si:ch211-105j21.7	4.421549829	5.834709528	-1.413159699	0.004381
peak_30670	chr12	48873405	48874111	-9712	Intergenic	NM_200963	fh	5.504938842	6.918214603	-1.413275761	0.002409
peak_38107	chr18	46313751	46314034	-306606	Intergenic	NM_001037706	smtla	3.490829325	4.904154665	-1.41332534	0.013008
peak_35456	chr18	45338922	45339325	-166814	Intergenic	NM_001282486	dner	5.11766555	6.531083407	-1.413417857	0.007575
peak_36016	chr12	32774579	32774967	15515	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	4.137163847	5.550647774	-1.413483927	0.008558
peak_30372	chr6	59336626	59337347	23624	Intergenic	NM_001033751	fam210b	5.646741346	7.060354672	-1.413613326	0.002234
peak_32097	chr7	21039444	21040504	-21760	Intergenic	NR_120357		6.544684847	7.958349464	-1.413664616	0.003504
peak_33866	chr2	55535279	55535611	-56114	Intergenic	NM_001083017	rnf126	4.231678245	5.645469795	-1.41379155	0.005354
peak_34124	chr13	16808389	16808992	237058	intron (NM_001145600, intron 7 of 28)	NM_001145600	kcnma1a	4.930857134	6.344714128	-1.413856994	0.005679
peak_40024	chr16	31425102	31425821	-19001	Intergenic	NR_029995		4.091390725	5.505248467	-1.413857742	0.018084
peak_29945	chr14	49722772	49723424	45408	intron (NM_131314, intron 2 of 8)	NM_131314	ldb2a	6.13685144	7.550780607	-1.413929167	0.001993
peak_30914	chr10	13572532	13573034	163854	intron (NM_001098242, intron 2 of 8)	NM_001098242	cntfr	5.802111888	7.216046405	-1.413934517	0.002561
peak_40793	chr9	27064707	27065054	-41546	Intergenic	NM_001128555	arhgap15	4.267640829	5.681635309	-1.41399448	0.020558
peak_28343	chr18	38257408	38257817	170666	Intergenic	NM_001080165	gldn	5.145299012	6.559321725	-1.414022713	0.001228
peak_42795	chr6	56154321	56154967	35267	Intergenic	NM_001008576_1	tfap2c	4.958072879	6.372178932	-1.414106053	0.027674
peak_31539	chr15	2203060	2203498	22073	intron (NM_212947, intron 2 of 10)	NM_212947	rsrc1	4.616508912	6.030880897	-1.414371985	0.003029
peak_29203	chr2	37702835	37703337	-52	promoter-TSS (NM_001161488)	NM_001161488	pcp4l1	5.780628893	7.195221005	-1.414592111	0.001608
peak_35380	chr19	38499071	38499622	-168098	Intergenic	NM_001007288	cx30.9	4.759250818	6.17395221	-1.414701392	0.007465
peak_40081	chr10	43988824	43989247	34203	intron (NM_001161732, intron 2 of 17)	NM_001161732	fgfr1b	3.728799148	5.143635821	-1.414836673	0.018269
peak_29126	chr12	5775628	5776401	-20721	Intergenic	NM_001020762	cep55l	5.722959102	7.137876697	-1.414917595	0.001573
peak_25987	chr5	21457016	21458595	-37534	Intergenic	NM_001126454	fam222a	6.75229799	8.167276405	-1.414978415	0.000548
peak_42234	chr13	38442857	38443158	-167985	Intergenic	NM_001113581	zgc:171579	3.596602092	5.011591183	-1.414989091	0.025417
peak_36183	chr3	39658668	39659239	-16150	Intergenic	NM_001020573	grapa	5.055401603	6.470447785	-1.415046181	0.008894
peak_37986	chr7	73139121	73139716	249343	Intergenic	NM_001020693_1	gba3	4.629054199	6.044110097	-1.415055897	0.012721
peak_41510	chr4	39142859	39144128	-238284	Intergenic	NM_001109839	zgc:173617	5.517528496	6.932600551	-1.415072055	0.022957
peak_34767	chr6	51120837	51121227	403762	Intergenic	NM_001130610	rbl1	4.360658081	5.7757648	-1.415106719	0.006511
peak_31158	chr20	22842950	22843335	56975	intron (NM_001013564, intron 4 of 5)	NM_001013564	scfd2	4.467110104	5.882309158	-1.415199054	0.002728
peak_24922	chr4	8983588	8984292	10170	intron (NM_001045158, intron 1 of 39)	NM_001045158	sbf1	7.891416824	9.306625707	-1.415208883	0.000376
peak_24694	chr21	33569232	33570852	54038	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	8.067345465	9.482616178	-1.415270713	0.000344
peak_35692	chr12	40180018	40180512	73905	intron (NM_001002490, intron 3 of 7)	NM_001002490	ttyh2	4.506390602	5.921680057	-1.415289455	0.00801
peak_40162	chr1	4936334	4936664	-62349	Intergenic	NM_001145693	abcb6a	3.967238845	5.382765241	-1.415526396	0.018504
peak_37316	chr19	23485493	23485854	142	exon (NM_130987, exon 1 of 2)	NM_130987	gdf6b	4.26992192	5.685480794	-1.415558874	0.011251
peak_28779	chr6	14846571	14847027	-3211	Intergenic	NM_201447	pou3f3b	5.408120284	6.823787819	-1.415667535	0.001409
peak_39427	chr7	22250894	22251194	116143	intron (NM_131806, intron 4 of 4)	NM_131806	efnb3b	3.811169177	5.226935291	-1.415766114	0.016381
peak_26328	chr12	46827248	46828533	-152	promoter-TSS (NM_131640)	NM_131640	pax2b	7.645624615	9.061549655	-1.415925039	0.000616
peak_37786	chr11	32704261	32704592	117223	intron (NM_001003624, intron 4 of 5)	NM_001003624	diaph3	4.35851614	5.774691591	-1.416175451	0.01225
peak_25008	chr5	17157610	17158662	36053	Intergenic	NM_213323	pebp1	7.892815884	9.309055804	-1.41623992	0.000389
peak_41632	chr3	31452847	31453712	-143723	Intergenic	NM_001080044	smg1	4.563403173	5.979720618	-1.416317444	0.023404
peak_36421	chr16	54265096	54265520	301586	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	4.380849459	5.797246391	-1.416396932	0.00938
peak_23468	chr9	27113123	27114095	-5948	Intergenic	NM_213216	arglu1a	8.722138497	10.13860503	-1.416466537	0.000203
peak_38421	chr16	49370681	49371157	12320	intron (NM_131186, intron 1 of 3)	NM_131186	nr2f5	5.14156679	6.55814553	-1.41657874	0.013836
peak_28878	chr25	17421126	17421683	-77349	Intergenic	NM_001089445	ccnd2a	6.217549113	7.634206091	-1.416656978	0.001454
peak_28016	chr13	45901480	45902227	-50538	Intergenic	NM_001145701	si:ch211-168h21.	6.913625388	8.330289643	-1.416664255	0.00111
peak_40703	chr16	951509	952275	131242	Intergenic	NM_207185	irx1a	4.354222696	5.770984576	-1.41676188	0.02023
peak_32266	chr4	26617156	26617472	-19567	Intergenic	NM_001122744	fam19a5	4.892054049	6.308956861	-1.416902812	0.003659
peak_33941	chr21	6672113	6672418	-35939	Intergenic	NM_001003486	olfm1b	4.190056257	5.606996382	-1.416940125	0.005459
peak_43076	chr9	24025836	24026204	-10533	Intergenic	NM_001002162	eaf2	3.722150645	5.139606707	-1.417456062	0.028907
peak_24258	chr18	49838250	49840473	318	intron (NM_001040336, intron 1 of 12)	NM_001040336	st7	7.981365351	9.398834219	-1.417468867	0.000288
peak_40164	chr21	5435297	5436034	4399	Intergenic	NM_001002069_1	rpl37	4.781005458	6.198700008	-1.41769455	0.018509
peak_26508	chr9	15209358	15209995	-428610	Intergenic	NM_212966	nrp2b	6.562281084	7.980107528	-1.417826445	0.000655
peak_31163	chr2	46567599	46568257	-125189	Intergenic	NM_201020_1	gpc1b	5.503000886	6.920982173	-1.417981287	0.002731
peak_25137	chr2	32894076	32894862	-13034	Intergenic	NM_001076570	rnf220a	6.750869712	8.168855189	-1.417985476	0.000407
peak_32006	chr14	2026508	2027237	-72733	Intergenic	NM_001111171	etf1a	6.169702636	7.587867334	-1.418164698	0.003435
peak_38808	chr3	6639742	6640156	-75955	Intergenic	NM_001089460	pkn1b	4.394564553	5.812757146	-1.418192593	0.014789
peak_34200	chr17	10276859	10277544	6070	Intergenic	NM_131284	foxa1	5.197300249	6.615682639	-1.418382389	0.005771
peak_30401	chr21	41652525	41653016	74486	Intergenic	NM_001089339	zcchc10	5.370789094	6.789412429	-1.418623335	0.002253
peak_31513	chr11	3737062	3737736	-46087	Intergenic	NM_001020588	itih3a	4.981964068	6.400702764	-1.418738695	0.003009
peak_25119	chr16	9305809	9306599	-14044	intron (NM_001030206, intron 13 of 13)	NM_001020487	bmper	6.823679236	8.242499234	-1.418819999	0.000405
peak_33033	chr18	8232188	8232661	-44779	Intergenic	NM_001002177	impdh1a	4.348774912	5.767613343	-1.418838431	0.004432
peak_38762	chr13	14311364	14311700	37005	intron (NM_001123058, intron 1 of 9)	NM_001123058	gfra4a	3.760062422	5.178974663	-1.418912241	0.014641
peak_31509	chr14	37046363	37046978	66402	Intergenic	NM_001005983	tmem144b	5.071837003	6.490765101	-1.418928098	0.003004
peak_25696	chr9	48800686	48801297	80927	Intergenic	NM_001003480	zgc:92380	6.716910714	8.135846547	-1.418935832	0.000495
peak_26173	chr13	26478138	26478894	401419	Intergenic	NM_001040391	bcl11aa	6.260725654	7.679662561	-1.418936907	0.000584
peak_25596	chr14	14924310	14925601	-24156	Intergenic	NM_001014818	phox2bb	7.766645728	9.185666123	-1.419020395	0.000479
peak_36891	chr13	50427554	50427924	-4819	Intergenic	NM_199981	irf2bp2a	4.777001492	6.196023393	-1.419021901	0.010333
peak_25277	chr19	26588260	26589382	132064	intron (NM_001202459, intron 3 of 17)	NM_001044814	dtnbp1b	8.240107476	9.659250931	-1.419143456	0.000429
peak_31685	chr7	2745328	2745957	-106556	Intergenic	NM_001114719	zgc:172065	5.400332743	6.819509242	-1.419176499	0.003157
peak_42725	chr5	75545910	75547255	-25616	Intergenic	NM_205634	zgc:77391	4.95519948	6.374485568	-1.419286088	0.02739
peak_24984	chr3	28827784	28829210	-12087	Intergenic	NM_001201336	fbxl16	9.197765207	10.61717075	-1.41940554	0.000385
peak_40950	chr2	580223	580813	-170240	Intergenic	NM_212920	wrnip1	3.655466094	5.074880385	-1.419414291	0.021121
peak_31817	chr8	3370098	3370781	73604	Intergenic	NM_001008604	zgc:103510	5.612919391	7.032346136	-1.419426745	0.003284
peak_27155	chr3	13019969	13020488	66583	Intergenic	NM_201313	dnaja3a	5.728799148	7.148419341	-1.419620194	0.000819
peak_26746	chr3	33627723	33628937	-66	promoter-TSS (NM_213330)	NM_213330	sgsm3	7.066926013	8.486549194	-1.419623181	0.000713
peak_38863	chr6	23643083	23643400	-34704	Intergenic	NM_001089394	thumpd3	4.446023636	5.865718982	-1.419695346	0.014914
peak_27397	chr12	44456211	44456590	103842	Intergenic	NM_001034970	zgc:111868	5.191861895	6.611603543	-1.419741648	0.000892
peak_26280	chr2	27669246	27671332	31018	intron (NM_001144819, intron 1 of 13)	NM_001144819	zswim5	8.129333309	9.549135773	-1.419802463	0.000605
peak_36498	chr17	3398716	3399134	-120259	Intergenic	NM_001030159	tmx4	5.090100377	6.509943286	-1.419842908	0.009539
peak_38732	chr9	5171002	5171621	-120164	Intergenic	NM_001113484	nr4a2a	4.517048459	5.936981475	-1.419933016	0.014543
peak_25960	chr21	4451411	4452426	32930	intron (NM_201126, intron 9 of 14)	NM_201126	rapgef1b	6.917813638	8.337769578	-1.41995594	0.000541
peak_32431	chr13	1485913	1486330	-204989	Intergenic	NM_201000	bag2	4.36386504	5.783896923	-1.420031882	0.003821
peak_39040	chr11	14765988	14766445	204058	Intergenic	NM_001122654	ptbp1b	5.486393692	6.906508173	-1.420114481	0.015369
peak_33320	chr9	38068939	38069300	49515	Intergenic	NM_131068	inhbb	3.808033224	5.228384857	-1.420351633	0.004723
peak_40785	chr4	109578	110084	8196	Intergenic	NM_201060	rpl18a	5.023868553	6.444264817	-1.420396265	0.020536
peak_34031	chr9	42959348	42960053	-27802	Intergenic	NM_001039630	col18a1	6.386950701	7.807376909	-1.420426209	0.005556
peak_37976	chr6	52383397	52383638	-84069	Intergenic	NM_200944	eif6	3.492783688	4.913468408	-1.42068472	0.012702
peak_43142	chr11	30234517	30235041	-212462	Intergenic	NM_001114908		4.882396095	6.303417462	-1.421021366	0.029229
peak_26515	chr2	46076672	46077374	25431	Intergenic	NM_001034987	itgb1b	6.756777679	8.178014609	-1.42123693	0.000657
peak_31391	chr16	54729877	54730269	-6984	intron (NM_213187, intron 8 of 8)	NM_001142543	hmgn2	4.829114934	6.250374506	-1.421259572	0.00291
peak_34751	chr23	9866344	9866592	9121	intron (NM_001039171, intron 2 of 79)	NM_001039171	lama5	3.921456318	5.343053653	-1.421597334	0.006489
peak_30814	chr7	74559723	74560275	-67534	Intergenic	NM_001083568	cacnb2a	5.847604011	7.269208234	-1.421604223	0.002501
peak_27272	chr16	25105011	25105573	59054	Intergenic	NM_001003997	flad1	7.136244659	8.5578763	-1.421631641	0.000854
peak_41159	chr20	50995255	50995624	28496	intron (NM_001003855_1, intron 2 of 4)	NM_001003855_1	fut8a	4.444004846	5.865645912	-1.421641067	0.021871
peak_43469	chr24	2097757	2098003	-128836	Intergenic	NM_212616	zgc:85789	3.147197703	4.568936589	-1.421738886	0.030668
peak_42399	chr23	17765182	17765734	62608	Intergenic	NM_001030133	bhlhe23	5.375064497	6.796953753	-1.421889256	0.026028
peak_26017	chr6	6576483	6577178	-2464	Intergenic	NM_001014319	zgc:113227	7.046409203	8.468308419	-1.421899216	0.000552
peak_40179	chr14	46173231	46173656	-313583	Intergenic	NM_200975	gar1	4.000666855	5.422585527	-1.421918672	0.018557
peak_28629	chr24	15466607	15467108	85282	Intergenic	NM_001098738	cbln2b	5.334134011	6.756084843	-1.421950832	0.001344
peak_27318	chr25	2753159	2753736	-90546	Intergenic	NM_001079965	adpgk	6.355818575	7.777812727	-1.421994152	0.000866

peak_31429	chr17	7937606	7937995	-114725	Intergenic	NM_001017841	slc18b1	4.753509216	6.175506617	-1.421997401	0.00293
peak_30301	chr3	26287212	26288099	57008	Intergenic	NM_001040348	rab40c	5.182775708	6.604793139	-1.422017432	0.002193
peak_32783	chr21	30478536	30478972	325005	Intergenic	NM_001098766	zgc:165573	4.615612369	6.03769371	-1.422081342	0.004159
peak_33931	chr2	53528587	53529043	14704	intron (NM_001098751, intron 1 of 1)	NM_001098751	zgc:165603	4.909758684	6.331856817	-1.422098133	0.005448
peak_30152	chr21	5368523	5368967	-72	promoter-TSS (NM_173226)	NM_173226	thbs4b	5.302074075	6.724272963	-1.422198888	0.002112
peak_27292	chr9	48006162	48007122	-115529	Intergenic	NM_001126463	igfbp5a	5.851797746	7.274010815	-1.422213069	0.000858
peak_29665	chr15	17998103	17998422	-187843	Intergenic	NM_001110169_1	zgc:171957	4.567171977	5.989409036	-1.422237058	0.001843
peak_29375	chr15	45147969	45148511	71239	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	6.068237246	7.490503004	-1.422265758	0.001694
peak_29925	chr14	34511357	34511785	11232	intron (NM_001110026, intron 1 of 9)	NM_001110026	zdhhc9	5.048071517	6.470347523	-1.422276006	0.001982
peak_23303	chr19	31006479	31007989	-36270	Intergenic	NM_213223	marcksl1b	9.712245244	11.13464727	-1.422402026	0.000191
peak_28503	chr12	44196021	44196539	86358	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	5.354191339	6.776697847	-1.422506507	0.001291
peak_40554	chr1	58087920	58088384	7247	intron (NM_001113805_2, intron 4 of 10)	NM_001113805_2	sc:d0284	3.650222256	5.072785912	-1.422563657	0.019812
peak_43410	chr19	22236985	22237345	-38275	Intergenic	NM_001159669	LOC100003866	4.339030839	5.76166101	-1.422630172	0.030447
peak_33587	chr13	17515261	17516011	-1803	Intergenic	NM_198840	znf503	6.268463385	7.691272371	-1.422808986	0.00501
peak_33178	chr9	12267408	12268202	42613	intron (NM_001122701, intron 1 of 3)	NM_001122701	znf804a	5.12394738	6.546848738	-1.422901358	0.004579
peak_41095	chr9	54775835	54776174	-30284	Intergenic	NM_001288817	trpm2	2.738714804	4.161716814	-1.42300201	0.021694
peak_35631	chr13	27158715	27159163	103330	Intergenic	NM_001114913	ccdc85a	4.904629727	6.327784974	-1.423155246	0.007896
peak_31182	chr9	47379892	47380557	236307	Intergenic	NM_131069	cx43.4	5.482956608	6.906119096	-1.423162487	0.002742
peak_43829	chr20	19622681	19623024	-5946	Intergenic	NR_030117		4.265356126	5.688580386	-1.42322426	0.032299
peak_38109	chr21	28282815	28283167	-69875	Intergenic	NM_001198550	ppp3ca	4.244561664	5.667895104	-1.42333344	0.013013
peak_34838	chr18	40864433	40864805	-64648	Intergenic	NM_199804	cntn5	3.801740793	5.225142695	-1.423401902	0.006614
peak_33596	chr2	31470744	31471094	13578	Intergenic	NM_001111190	and2	4.370257652	5.793685782	-1.42342813	0.005017
peak_34173	chr23	15182860	15183351	-35302	Intergenic	NM_001004114	phf20b	3.848367416	5.271891962	-1.423524546	0.005728
peak_40740	chr20	8409249	8409557	187646	intron (NM_001040685, intron 4 of 25)	NM_001040685	dab1a	3.792250387	5.215837578	-1.423587191	0.020357
peak_38533	chr21	31290760	31291041	-55829	Intergenic	NM_001039994	zgc:123105	3.399781695	4.823397548	-1.423615852	0.014067
peak_26356	chr7	13319135	13320569	129854	Intergenic	NM_001037578	fam154b	7.199686494	8.623374787	-1.423688293	0.000622
peak_42129	chr1	56748652	56749131	21640	Intergenic	NM_001045323	crb3b	4.301549226	5.725278782	-1.423729556	0.025098
peak_33530	chr21	7623165	7623661	77745	Intergenic	NM_001030261	wdr41	4.751061931	6.174844307	-1.423782376	0.004948
peak_38386	chr17	17851346	17851576	-10591	intron (NM_001045384, intron 4 of 6)	NM_200054	setd3	3.881650491	5.305644272	-1.423993781	0.013757
peak_27141	chr5	36255680	36257228	-21931	Intergenic	NM_001114845	hexa	7.993955541	9.417990766	-1.424035225	0.000816
peak_36259	chr5	51184757	51185210	-342590	Intergenic	NM_131180	nr2f1a	5.000706918	6.424840375	-1.424133457	0.009035
peak_35787	chr14	18640881	18641206	4601	intron (NM_001018106, intron 4 of 21)	NM_001018106	ogt.1	3.774593768	5.198825304	-1.424231536	0.008186
peak_35432	chr25	34690035	34690432	145295	Intergenic	NM_001172680	zgc:136826	4.31265569	5.737106852	-1.424451162	0.007546
peak_33650	chr6	33467836	33468155	108311	Intergenic	NM_001287082	tmem69	3.993783045	5.418243192	-1.424460147	0.005095
peak_30931	chr24	4925183	4925830	-80102	Intergenic	NM_001110021	cpb1	5.40501031	6.829491038	-1.424480728	0.002573
peak_26565	chr20	5017237	5017717	90459	Intergenic	NM_001160014	tmem242	5.893925528	7.318469015	-1.424543487	0.000667
peak_34921	chr2	46347359	46347876	95122	intron (NM_201020, intron 1 of 1)	NM_201020_1	gpc1b	5.47006025	6.894662855	-1.424602605	0.006756
peak_28868	chr11	29459628	29460068	31600	Intergenic	NM_001006070	dhrs3b	5.25726398	6.681887594	-1.424623614	0.001451
peak_39715	chr2	47159365	47160215	362833	Intergenic	NM_001145932	acsl3b	4.653771219	6.078402395	-1.424631176	0.017179
peak_37031	chr14	1198867	1199192	11319	intron (NM_212882, intron 1 of 12)	NM_001045387	arl9	3.984090193	5.408914602	-1.424824408	0.010627
peak_37028	chr18	20025641	20025989	18297	exon (NM_131012, exon 8 of 21)	NM_131012	gro2	4.688341143	6.113187932	-1.424846789	0.010622
peak_28054	chr17	35912521	35913046	145952	Intergenic	NM_131336	sox11a	4.889089251	6.313960206	-1.424870955	0.001121
peak_28202	chr2	59016210	59016777	37653	exon (NM_214812, exon 9 of 19)	NM_214812	epb41l3b	5.648057263	7.073068399	-1.425011135	0.001176
peak_31053	chr8	52896975	52897560	-95419	Intergenic	NM_001002647	egr3	4.828341271	6.253443954	-1.425102683	0.002654
peak_27010	chr11	30936729	30937220	-65176	Intergenic	NM_001007297	ace2	6.582204943	8.007326714	-1.425121772	0.000781
peak_36096	chr23	35998730	35999391	28986	intron (NM_131339, intron 1 of 7)	NM_131339	rarga	5.000020032	6.425218885	-1.425198853	0.008715
peak_34512	chr20	11304740	11305333	-16707	Intergenic	NM_001100043	flrt2	5.07640556	6.501628647	-1.425223087	0.006206
peak_29320	chr6	56669020	56669628	549947	Intergenic	NM_001008576_1	tfap2c	5.177317667	6.602594144	-1.425276476	0.001675
peak_32595	chr7	65343422	65343851	-1628	Intergenic	NM_131851	sox32	5.285225662	6.71056925	-1.425343588	0.003974
peak_32401	chr2	14673727	14674131	116447	Intergenic	NM_001083863	LOC795615	5.288637374	6.714091745	-1.425454371	0.003787
peak_33085	chr18	36849711	36850021	91538	Intergenic	NM_001089357	alx4b	4.393518857	5.819033849	-1.425514992	0.004482
peak_32953	chr22	15651139	15651534	-1121	Intergenic	NM_001037373	gpc1a	4.882396095	6.30791514	-1.425519045	0.004357
peak_32902	chr4	52990572	52990950	584085	Intergenic	NM_001114418	zgc:174704	4.549387246	5.974951859	-1.425564613	0.004287
peak_27526	chr14	41648295	41648959	46007	intron (NM_001127519, intron 2 of 4)	NM_001127519	pcdh19	6.923279499	8.348931946	-1.425652447	0.000933
peak_37564	chr10	23427675	23427932	-68739	Intergenic	NM_001020582	nle1	3.10167217	4.527380783	-1.425708613	0.011772
peak_34457	chr9	8785456	8785812	165742	Intergenic	NM_212771	rab20	4.283533241	5.709260537	-1.425727297	0.006133
peak_35617	chr6	21007019	21007468	-22906	Intergenic	NM_205740	barhl2	5.050727242	6.476465772	-1.42573853	0.007873
peak_32946	chr13	8148445	8148897	2083	intron (NM_199996, intron 2 of 5)	NM_199996	calm2a	4.999292718	6.425210104	-1.425917386	0.004345
peak_33816	chr7	67633788	67634095	-280002	Intergenic	NM_212949	pth1b	3.723815645	5.149746662	-1.425931017	0.005273
peak_35238	chr10	40947046	40947622	-262081	Intergenic	NM_001037674	smtlb	5.027243529	6.453297018	-1.42605349	0.007245
peak_28869	chr16	55317345	55318545	-55466	Intergenic	NM_001163294	col27a1a	6.404995175	7.83115083	-1.426155655	0.001452
peak_34706	chr7	49106626	49107108	601337	Intergenic	NM_131427	cpeb1b	4.870376087	6.296590464	-1.426214378	0.00644
peak_26963	chr12	23894035	23895592	-14822	Intergenic	NM_001007151	shbg	7.169073869	8.595334247	-1.426260377	0.000769
peak_26799	chr1	49715144	49715826	16673	Intergenic	NM_001115060	cxcl-c1c	6.555037249	7.981460716	-1.426423466	0.000729
peak_32214	chr15	39296992	39297618	106013	intron (NM_001077577, intron 2 of 2)	NM_001077577	fat3a	5.961978474	7.388419171	-1.426440698	0.003603
peak_37285	chr18	48615591	48615915	-211797	Intergenic	NM_001045317	mob2b	4.097825209	5.524298418	-1.426473209	0.011193
peak_29713	chr7	47874084	47874859	244878	Intergenic	NM_130995	ccne1	5.7514701	7.178018514	-1.426548414	0.001865
peak_33606	chr18	20134395	20134657	104522	Intergenic	NM_131355	kif23	4.124614504	5.55121348	-1.426598976	0.005035
peak_25769	chr24	4619793	4621037	-92457	Intergenic	NM_130918	fzd8a	7.494477362	8.921102572	-1.42662521	0.000508
peak_36779	chr7	13228926	13229481	39205	Intergenic	NM_001037578	fam154b	4.792204096	6.219037654	-1.426833559	0.010079
peak_34603	chr5	18022537	18022942	-23046	Intergenic	NM_001114917	kremen1	4.553138161	5.980063974	-1.426925813	0.006322
peak_30092	chr5	45728165	45728654	-236915	Intergenic	NM_001005932	tars	5.026608515	6.453655666	-1.427047152	0.002075
peak_27673	chr17	9019029	9019576	-197517	Intergenic	NM_001077768	zranb1b	5.590227006	7.017296154	-1.427069147	0.000981
peak_28316	chr14	13064023	13065006	30751	intron (NM_198360, intron 2 of 14)	NM_198360	gria3b	6.907002609	8.334104706	-1.427102097	0.001215
peak_29275	chr5	32137655	32138045	17813	Intergenic	NM_201459	arcn1a	4.826792699	6.253920771	-1.427128072	0.001649
peak_29017	chr9	27139422	27139788	2446	intron (NM_131023, intron 1 of 4)	NM_131023	efnb2a	5.095897876	6.523039093	-1.427141218	0.001519
peak_42880	chr21	8406827	8407736	101891	Intergenic	NM_001076741	esm1	4.945284628	6.372452254	-1.427167626	0.028057
peak_36551	chr8	51455529	51456009	6333	intron (NM_001111203, intron 3 of 13)	NM_001111203	zgc:171501	4.47602896	5.903324721	-1.427295761	0.009656
peak_30626	chr2	52997472	52998194	16739	intron (NM_001045238, intron 1 of 13)	NM_001045238	zgc:136336	4.848367416	6.275724426	-1.42735701	0.002383
peak_41476	chr13	45286134	45286550	71806	Intergenic	NM_001030175	zfand3	3.620141679	5.047687037	-1.427545358	0.022841
peak_29579	chr16	18810580	18811334	-228533	Intergenic	NM_001003432	rpl18	6.169990197	7.597547155	-1.427556957	0.001797
peak_42321	chr7	6390987	6391357	-60150	Intergenic	NM_001031840	arhgef11	4.150843201	5.578525718	-1.427682516	0.025709
peak_41993	chr5	40911381	40911707	-140115	Intergenic	NM_200710	paqr3a	4.315971024	5.743683812	-1.427712788	0.024654
peak_30552	chr5	1613101	1613976	16236	intron (NM_001245965, intron 1 of 22)	NM_001245965	dnm1a	5.966204717	7.393931928	-1.427727211	0.002339
peak_30384	chr17	5741284	5741650	-7861	Intergenic	NM_001128782	zgc:194275	4.94238562	6.370148053	-1.427762434	0.002238
peak_33279	chr18	9211426	9211832	264075	Intergenic	NM_001045084	sema3e	4.656389079	6.084295031	-1.427905952	0.004676
peak_34705	chr10	42190135	42190891	2270	intron (NM_131404, intron 4 of 5)	NM_131404	pcna	5.091390725	6.519362328	-1.427971603	0.006439
peak_26163	chr7	48296176	48297447	94014	Intergenic	NM_001195407	tshz3b	7.995243578	9.423288213	-1.428044635	0.000582
peak_38806	chr12	49950938	49951578	-83	promoter-TSS (NM_001037439)	NM_001037439	zgc:123258	5.131566736	6.559636843	-1.428070107	0.014788
peak_30067	chr2	27593251	27593709	42010	Intergenic	NM_001076593	zgc:153394	5.178532351	6.606637301	-1.428104951	0.002061
peak_28440	chr20	48829056	48829790	-40287	Intergenic	NM_205644	insm1a	7.498387781	8.926553503	-1.428165721	0.001264
peak_35693	chr8	31080128	31080362	-64678	intron (NM_001123258, intron 12 of 14)	NR_030033		4.09267992	5.520848579	-1.428168659	0.008012
peak_35855	chr4	17590718	17591151	-10199	Intergenic	NM_001045003	rint1	4.150915405	5.579099474	-1.428184068	0.008306
peak_36058	chr22	20239681	20240058	90064	intron (NM_001130788, intron 2 of 10)	NM_001130788	celf5a	4.462131255	5.890326665	-1.428195409	0.008638
peak_42884	chr14	5311703	5312092	-80128	Intergenic	NM_001007134	lbx2	4.074449378	5.502659134	-1.428209756	0.028075
peak_32011	chr3	18233581	18233921	-62944	Intergenic	NM_205616	cbx8a	4.221107285	5.649378096	-1.428270811	0.003438
peak_29235	chr20	28800217	28800757	-6522	Intergenic	NM_001281792	sipa1l1	5.695171678	7.123555238	-1.42838356	0.001628
peak_27584	chr20	48893891	48894581	-26856	Intergenic	NR_030665		5.250349312	6.678794043	-1.428444731	0.000953
peak_42449	chr6	49314286	49314655	143416	Intergenic	NM_212743	rplp2	4.006150351	5.434626643	-1.428476291	0.026223
peak_43494	chr22	14052046	14052421	21183	intron (NM_205753, intron 1 of 5)	NM_205753	sh3bp4a	4.062656257	5.491211845	-1.428555588	0.03077
peak_27167	chr24	17788091	17788889	-17422	Intergenic	NM_001008734	commd3	6.484430647	7.91306792	-1.428637273	0.000823
peak_33446	chr9	15426290	15426685	274384	Intergenic	NM_131520	fn1a	4.251504061	5.680178515	-1.428674455	0.004868
peak_41639	chr19	22732	24096	-13948	Intergenic	NM_001089521	atpif1a	4.930899184	6.359666642	-1.428767458	0.023417
peak_31113	chr18	15840893	15841609	-2954	Intergenic	NM_001245072	slc6a15	6.062308096	7.491102418	-1.428794321	0.002695
peak_40484	chr24	32126343	32126614	14810	Intergenic	NR_045229		3.10167217	4.530477	-1.42880483	0.019537

peak_35020	chr24	1802434	1802763	343406	Intergenic	NM_001113644_4	zgc:172101	4.456075431	5.885005716	-1.428930285	0.006902
peak_28323	chr10	43717891	43720372	-4481	Intergenic	NM_001002201	dbnla	8.725533697	10.15455222	-1.429018521	0.001222
peak_33622	chr20	16036690	16037284	-769	promoter-TSS (NM_001014820)	NM_001014820	angptl1a	5.081646992	6.510837667	-1.429190675	0.005052
peak_27573	chr25	30182409	30183369	37186	Intergenic	NM_001003488	pkmb	6.156456076	7.585654489	-1.429198413	0.00095
peak_24454	chr9	8163379	8164769	-274508	Intergenic	NM_001109720	zgc:171776	6.649152945	8.078396883	-1.429243938	0.00031
peak_30222	chr15	9020035	9020702	-28704	Intergenic	NM_001004002	rab4b	4.787435225	6.216701141	-1.429265917	0.002155
peak_38990	chr8	12519932	12520535	-14636	Intergenic	NM_200660	med27	4.712120089	6.141412707	-1.429292618	0.015248
peak_26874	chr23	22865989	22866772	-18820	Intergenic	NR_029924		5.906097005	7.335394141	-1.429297136	0.000746
peak_39410	chr1	56461968	56462245	-3923	Intergenic	NM_001003470	prkacab	4.117032164	5.546342913	-1.429310749	0.016337
peak_32240	chr6	5572347	5573094	592954	Intergenic	NM_001201446	rtn4a	5.701945386	7.131265992	-1.429320606	0.003637
peak_29228	chr12	39270226	39270663	-432929	Intergenic	NM_001040355	pmp22b	4.728799148	6.158527775	-1.429728627	0.001623
peak_40336	chr22	41347715	41348066	21007	intron (NM_001020665, intron 1 of 3)	NM_001020665	ptk7a	4.402902949	5.832691537	-1.429788588	0.019037
peak_37505	chr24	5700238	5700598	74917	Intergenic	NM_001114926	dia1b	4.056062627	5.485882957	-1.42982033	0.011675
peak_32786	chr25	8778131	8778457	-18927	Intergenic	NR_029997		4.786638878	6.216590205	-1.429951327	0.004161
peak_30206	chr10	37051578	37052495	-178272	Intergenic	NM_001020555	ovca2	6.422846642	7.852829926	-1.429983284	0.002147
peak_33765	chr5	27064786	27065039	-43216	Intergenic	NM_001082856	rorb	4.096540606	5.526575756	-1.43003515	0.005221
peak_32578	chr21	41149364	41149709	123404	Intergenic	NM_201133	stk10	4.450052762	5.880173284	-1.430120522	0.003954
peak_30998	chr5	71011305	71012292	36011	Intergenic	NM_001003866	gtf3aa	6.199096849	7.629231212	-1.430134363	0.002617
peak_31690	chr7	14076497	14077121	112982	intron (NM_001245957, intron 4 of 10)	NM_001082864	sdhaf2	5.408637962	6.838778726	-1.430140764	0.003162
peak_36828	chr7	16804154	16804540	-5171	Intergenic	NM_001017638	elp4	3.964424746	5.394566939	-1.430142193	0.010168
peak_24749	chr16	50462622	50464203	45671	Intergenic	NM_001002730	ica1	6.962497147	8.392730649	-1.430233502	0.000352
peak_40376	chr7	24063267	24063703	60396	Intergenic	NM_131843	tnfsf10l	4.984049666	6.414446956	-1.43039729	0.019167
peak_32426	chr14	1077602	1078342	7617	intron (NM_212882, intron 3 of 12)	NM_001258230	slc16a2	5.132157201	6.562583027	-1.430425826	0.003812
peak_33302	chr5	45734452	45735046	-230575	Intergenic	NM_001005932	tars	4.892054049	6.32290006	-1.430846012	0.004702
peak_27461	chr3	14361858	14362424	-10916	Intergenic	NM_001040248	nfixb	6.007537912	7.438440784	-1.430902872	0.000913
peak_36812	chr1	42984777	42985219	322762	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	4.860527269	6.291479557	-1.430952288	0.010138
peak_37245	chr4	3796702	3797116	-55812	Intergenic	NM_001144049	gpr37b	4.890615651	6.321622194	-1.431006542	0.011105
peak_31306	chr11	33496516	33497025	38731	intron (NM_001160822, intron 1 of 3)	NM_001160822	pcdh17	5.157090365	6.588174503	-1.431084138	0.002852
peak_34630	chr7	76008793	76009120	-259880	Intergenic	NR_034276		3.918551392	5.349640311	-1.431088919	0.006352
peak_30638	chr23	46226817	46227158	-21386	Intergenic	NM_130919	vdra	4.334678924	5.765813606	-1.431134682	0.002389
peak_38768	chr24	37126390	37126856	67320	Intergenic	NM_131887	cebpd	5.57687743	7.008105234	-1.431227803	0.014652
peak_30721	chr21	21313977	21314707	-4484	Intergenic	NM_001082837	skp2	6.04975128	7.481010726	-1.431259445	0.00244
peak_27512	chr4	13005479	13006313	9624	intron (NM_001080080, intron 5 of 10)	NM_001080080	pphln1	6.531156699	7.962558119	-1.43140142	0.000929
peak_30658	chr8	6053685	6055104	114248	Intergenic	NM_001082937	or129-1	6.455589115	7.887044543	-1.431455428	0.002403
peak_38610	chr16	48956519	48956822	24650	Intergenic	NM_001045488	zgc:161979	3.921456318	5.353309437	-1.431853119	0.014243
peak_37441	chr15	45798958	45799446	14224	intron (NM_001278822, intron 1 of 6)	NM_001278822	igsf11	4.360658081	5.792523064	-1.431864983	0.011532
peak_43204	chr24	13859122	13859457	30027	intron (NM_131193, intron 7 of 18)	NM_131193	eya1	4.410159719	5.842162871	-1.432003152	0.02955
peak_31285	chr5	32021117	32021927	420	exon (NM_001245983, exon 2 of 2)	NM_001245983	gig2o	5.74983673	7.181921431	-1.432084701	0.002835
peak_29743	chr18	19552643	19553017	-893	promoter-TSS (NM_175083)	NM_175083	smad3b	5.338487567	6.770845049	-1.432357482	0.001886
peak_29661	chr7	69995233	69995804	-182829	Intergenic	NM_205546	hnf4b	5.014376399	6.446771863	-1.432395464	0.001841
peak_37635	chr2	11874991	11875491	137392	Intergenic	NM_001291396	cdc73	5.210458296	6.64297151	-1.432513213	0.011914
peak_31050	chr23	36189489	36190187	7239	intron (NM_001134685, intron 2 of 4)	NM_131122	hoxc4a	5.98476445	7.417391733	-1.432627283	0.002651
peak_27399	chr17	8833376	8834452	-12129	Intergenic	NM_001077768	zranb1b	7.142491673	8.575457465	-1.432965792	0.000892
peak_28660	chr10	39401556	39401958	14180	Intergenic	NR_030069		5.158937711	6.591952211	-1.433014501	0.001352
peak_33018	chr6	14629968	14630741	-219656	Intergenic	NM_201447	pou3f3b	5.607942874	7.041118784	-1.433175909	0.004419
peak_36511	chr25	33152878	33153167	118012	Intergenic	NM_001008639	zgc:101540	4.30822336	5.741633163	-1.433409804	0.009573
peak_27927	chr12	40129456	40130073	23404	intron (NM_001002490, intron 1 of 7)	NM_001002490	ttyh2	6.386162349	7.81959812	-1.433435771	0.001079
peak_37861	chr10	39640082	39640634	-30508	Intergenic	NM_001001886	usp25	4.078359093	5.511953153	-1.43359406	0.012432
peak_36356	chr1	38448016	38448274	-104139	intron (NM_001145602, intron 4 of 11)	NM_001020641	galnt7	4.383019995	5.816700912	-1.433680917	0.009239
peak_33948	chr15	29983054	29983425	130787	intron (NM_201109, intron 7 of 14)	NM_201109	msi2b	4.192463273	5.626231605	-1.433768332	0.005466
peak_24622	chr15	103282	104790	-16994	Intergenic	NM_001077574	med17	8.087730389	9.52152786	-1.433797472	0.000333
peak_23959	chr18	17515400	17518640	71304	intron (NM_001080030, intron 3 of 7)	NM_001080030	si:ch211-216l23.1	9.169996877	10.60404543	-1.434048549	0.000252
peak_43172	chr7	23972370	23973183	4217	exon (NM_199705, exon 3 of 4)	NM_199705	rbm4.1	4.910532553	6.344643098	-1.434110544	0.0294
peak_30261	chr20	27455070	27456319	20209	Intergenic	NR_030115		5.400302373	6.834581714	-1.434279341	0.002174
peak_25703	chr3	63089834	63091672	-25000	Intergenic	NM_001025465	sox8b	7.075935777	8.51034787	-1.434412093	0.000496
peak_34698	chr7	7868601	7868974	2314	intron (NM_205544, intron 1 of 20)	NM_205544	actn3b	4.186438186	5.620985245	-1.434547058	0.006431
peak_32547	chr14	32861542	32861945	24751	Intergenic	NM_001001950	zic3	5.163239007	6.597890393	-1.434651386	0.003936
peak_28178	chr24	14463541	14464544	17650	exon (NM_213259, exon 7 of 7)	NM_213259	pabpn1	7.503870262	8.938650019	-1.434779757	0.001168
peak_34441	chr22	39008093	39008410	406234	Intergenic	NM_001017600	polr2h	4.66594746	6.100792715	-1.434845256	0.00611
peak_28357	chr17	2876469	2877188	-24131	Intergenic	NM_001040251	zgc:136872	5.865104932	7.300223706	-1.435118774	0.001232
peak_27256	chr20	30846478	30847383	79925	Intergenic	NM_200198	hebp2	7.010800678	8.445996594	-1.435195916	0.000849
peak_35761	chr14	41755851	41756166	-61374	Intergenic	NM_001127519	pcdh19	3.804890439	5.240118249	-1.43522781	0.008142
peak_43680	chr2	59371752	59372209	123460	intron (NM_212882_1, intron 4 of 9)	NM_001017797	cirbpa	4.048032748	5.483440594	-1.435407846	0.031612
peak_42334	chr7	1490114	1490516	-108168	intron (NM_200561_1, intron 2 of 5)	NM_001003868	nop10	2.629054199	4.064571245	-1.435517045	0.025751
peak_25675	chr1	50849788	50850446	49055	Intergenic	NM_001045851	aimp1	6.552215014	7.987751375	-1.435536361	0.000491
peak_25312	chr15	19427652	19429646	1295	intron (NM_130944, intron 4 of 9)	NM_130944	dlc	7.916176205	9.351753779	-1.435577573	0.000434
peak_29190	chr5	328815	329500	-78652	Intergenic	NM_214750	rnf170	5.983722544	7.419373539	-1.435650995	0.001602
peak_35537	chr19	30845705	30845969	-55512	Intergenic	NM_214707	zdhhc18b	3.594783512	5.030735325	-1.435951813	0.00774
peak_34041	chr17	12458971	12459544	-62590	Intergenic	NM_001003633	zgc:100927	5.460105758	6.896080862	-1.435975104	0.005576
peak_34393	chr14	16558477	16558912	918168	Intergenic	NM_001044746	cnga5	4.652897542	6.088928431	-1.436030889	0.006042
peak_40443	chr18	27618257	27618690	-62807	Intergenic	NM_001002439	tspan18b	4.048110285	5.484161873	-1.436051588	0.019377
peak_27105	chr6	27599972	27600677	-4561	Intergenic	NM_200602	cep63	6.585400424	8.021906139	-1.436505715	0.000806
peak_29807	chr14	42101630	42102023	16712	intron (NM_131159, intron 1 of 8)	NM_131159	ef1	4.811952101	6.24848691	-1.436534809	0.00192
peak_34150	chr8	10807787	10808341	106596	Intergenic	NM_001077391	zgc:153997	5.533810806	6.970376551	-1.436565745	0.005702
peak_39409	chr21	22417046	22417377	168278	Intergenic	NM_199635	zbtb16a	3.644959288	5.081526303	-1.436567015	0.016334
peak_36886	chr16	43482047	43482556	-137755	Intergenic	NM_131442	gbp	4.938088916	6.37469037	-1.436601454	0.010323
peak_33594	chr4	14683309	14683596	12216	intron (NM_001030134, intron 3 of 17)	NM_001030134	exoc4	4.091390725	5.52799713	-1.436606405	0.005016
peak_30258	chr18	45481288	45482157	-266363	Intergenic	NM_199925	zgc:77304	5.503998454	6.940697751	-1.436699297	0.002173
peak_35604	chr9	46939779	46940503	32640	Intergenic	NM_001005956	twist2	5.475534912	6.912406773	-1.436871861	0.007851
peak_31079	chr15	30472572	30472964	2054	intron (NM_199633, intron 2 of 9)	NM_199633	wsb1	4.47701655	5.913901398	-1.436884848	0.002669
peak_37385	chr12	48700869	48701358	59288	Intergenic	NM_001017704	grem2	4.791410378	6.228397026	-1.436986648	0.011405
peak_26464	chr9	55251766	55252369	-59237	Intergenic	NM_131555	dct	5.906463592	7.343609556	-1.437145965	0.000643
peak_34187	chr7	52547903	52548182	-10554	Intergenic	NM_001123230	col4a5	4.108061062	5.545207731	-1.437146668	0.005748
peak_36206	chr2	33705073	33706629	5288	intron (NM_130988, intron 2 of 19)	NM_130988	ptch2	6.02187925	7.45912955	-1.4372503	0.008929
peak_43707	chr20	20199179	20199727	55578	intron (NM_001276280, intron 4 of 11)	NM_001276280	kcnh5a	2.825197218	4.262462768	-1.43726555	0.031773
peak_40525	chr14	14098443	14099041	60496	Intergenic	NM_213448	canx	4.050765939	5.48804459	-1.437278651	0.019674
peak_37591	chr13	38960280	38960597	228921	Intergenic	NM_001008612	lmbrd1	3.672909731	5.110237417	-1.437327686	0.011835
peak_40226	chr4	56253461	56253799	639678	intron (NM_001114585, intron 11 of 15)	NM_001111199	zgc:173710	3.55032589	4.987693446	-1.437367557	0.018692
peak_40228	chr12	25645631	25646023	74740	Intergenic	NM_199874	asb3	4.102952214	5.540419084	-1.43746687	0.018701
peak_38160	chr13	30987922	30988166	-39956	Intergenic	NM_178307	cxcl12a	3.895012766	5.332521701	-1.437508935	0.01316
peak_38933	chr15	45344603	45345044	267822	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	4.50838037	5.945923101	-1.43754273	0.015086
peak_28508	chr6	47027639	47028319	-149555	Intergenic	NM_001014317	igfn1.1	6.2041751	7.641759906	-1.437584806	0.001293
peak_35202	chr21	23456243	23456570	225506	intron (NM_001113551, intron 1 of 11)	NM_001113551	cadm1a	4.22346309	5.661091223	-1.437628133	0.007187
peak_27486	chr1	3081322	3081906	274745	Intergenic	NR_030045		4.940954807	6.37868545	-1.437730644	0.000922
peak_32317	chr14	37290640	37291381	-155595	Intergenic	NM_130975	pitx2	5.555504813	6.993257282	-1.437752469	0.003706
peak_39872	chr12	39226792	39227304	-389533	Intergenic	NM_001040355	pmp22b	5.063971374	6.50176909	-1.437797716	0.017612
peak_33640	chr20	18928719	18928986	58640	intron (NM_001012257_1, intron 4 of 5)	NM_001012257_1	xkr6	3.592962636	5.030850655	-1.437888019	0.005078
peak_34786	chr3	1070389	1070751	57994	Intergenic	NM_001109718	mhc1zja	3.44299439	4.881058152	-1.438063762	0.00654
peak_42456	chr4	37207494	37207930	976761	Intergenic	NM_001114900	zgc:174708	2.889089251	4.327241369	-1.438152117	0.026253
peak_31780	chr23	23855919	23856549	76234	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	5.027956891	6.466180181	-1.43822329	0.003251
peak_36094	chr20	53678650	53679040	-39584	Intergenic	NM_001009990	cdc40	4.250349312	5.688591633	-1.438242321	0.008715
peak_30121	chr1	8599239	8599681	-37437	Intergenic	NM_001199364	micall2b	5.055363031	6.493628228	-1.438265197	0.002094
peak_40656	chr25	9440278	9440548	-198254	Intergenic	NM_131385	rag2	3.376683808	4.814972517	-1.43828871	0.020097
peak_34931	chr22	41667432	41667960	-23	promoter-TSS (NM_001109940)	NM_001109940	si:ch211-126j24.1	5.369225214	6.807678088	-1.438452874	0.006773
peak_31888	chr11	33547034	33547388	-11710	Intergenic	NM_001160822	pcdh17	4.541856033	5.980333106	-1.438477072	0.003341

peak_31486	chr23	3748725	3749111	-13956	Intergenic	NM_201145	nudt3a	4.390377213	5.828868198	-1.438490985	0.002981
peak_28245	chr16	40819139	40819699	-5509	exon (NM_200570, exon 10 of 12)	NM_001034977	pi4kb	5.113824016	6.552455273	-1.438631257	0.001188
peak_39243	chr15	45838821	45839125	53995	intron (NM_001278822, intron 1 of 6)	NM_001278822	igsf11	3.510254836	4.949117511	-1.438862674	0.015942
peak_31403	chr15	18810610	18811039	10724	intron (NM_212634, intron 1 of 15)	NM_212634	alcamb	5.597964525	7.036876022	-1.438911498	0.002915
peak_33785	chr20	54642184	54642454	-6570	intron (NM_001077770, intron 2 of 4)	NM_001004520	prpf39	3.892054049	5.330992664	-1.438938616	0.005245
peak_38870	chr24	6857007	6857548	-398200	Intergenic	NM_131774	anxa13	4.241077898	5.680094898	-1.439017001	0.014921
peak_40647	chr11	45030322	45030844	22857	intron (NM_001015069, intron 5 of 9)	NM_001015069	gli2b	4.717979719	6.157088637	-1.439108918	0.020077
peak_39108	chr25	37749666	37750271	262408	Intergenic	NM_213100_1	irx3b	4.604757454	6.044008228	-1.439250774	0.015552
peak_30094	chr4	8215421	8215761	28639	intron (NM_212824, intron 1 of 2)	NM_212824	chst11	4.843780917	6.28307253	-1.439291613	0.002075
peak_27280	chr23	23126428	23127319	176186	Intergenic	NM_212722	eno1a	6.539494444	7.978821762	-1.439327319	0.000855
peak_36323	chr3	17098596	17098939	-82452	Intergenic	NM_001077392	hcrt	4.299317636	5.738717716	-1.43940008	0.009178
peak_25631	chr18	9182735	9184004	235815	Intergenic	NM_001045084	sema3e	7.881261224	9.320702541	-1.439441317	0.000485
peak_37578	chr2	39806726	39807024	33263	intron (NM_001005919, intron 3 of 16)	NM_001005919	epha4a	4.029304008	5.468891346	-1.439587338	0.011809
peak_28309	chr19	47545451	47545975	3131	intron (NM_001177934, intron 1 of 7)	NM_001177934	trps1	4.979178573	6.418929922	-1.43975135	0.001213
peak_40681	chr24	42853651	42853997	6579	intron (NM_001045123_1, intron 15 of 22)	NM_001045123	scn12ab	4.018491687	5.458283304	-1.439791617	0.020188
peak_31934	chr5	12976563	12977026	17506	intron (NM_001114578, intron 7 of 10)	NM_001114578	fbxw8	5.51702045	6.956970905	-1.439950455	0.003373
peak_42238	chr15	29148132	29148445	-1774	intron (NM_001076633, intron 10 of 10)	NR_030070		4.238750704	5.678789821	-1.440039117	0.025427
peak_34840	chr14	52879535	52879868	-236274	Intergenic	NM_199952	ube2d2l	4.505422924	5.94547483	-1.440051906	0.006616
peak_24554	chr3	40409777	40410391	99892	Intergenic	NM_001080572	slc29a4	6.473309599	7.913461678	-1.440152079	0.000324
peak_29770	chr21	42170068	42170439	37018	intron (NM_001042696, intron 3 of 6)	NM_001042696	pdlim4	4.688341143	6.128536996	-1.440195853	0.001901
peak_33913	chr5	20858708	20859174	-60603	Intergenic	NM_212766	ranbp1	4.844546347	6.2847823	-1.440235953	0.00543
peak_34109	chr20	37318685	37319044	-766	promoter-TSS (NM_001013546)	NM_001013546	cx23	5.120828315	6.561069549	-1.440241233	0.005657
peak_34577	chr18	10904916	10905254	-461639	Intergenic	NM_001045135	si:ch211-59c24.1	3.33794409	4.778283845	-1.440339755	0.006297
peak_36528	chr24	13864039	13864531	35023	intron (NM_131193, intron 7 of 18)	NM_131193	eya1	5.27387202	6.714314836	-1.440442816	0.009602
peak_27809	chr18	7856995	7857934	-9282	Intergenic	NM_001002204	prpf18	6.138100662	7.57867901	-1.440578348	0.001033
peak_37371	chr20	25597641	25598466	-341	promoter-TSS (NM_001083049)	NM_001083049	cyp2p7	5.157670478	6.598402624	-1.440732147	0.01137
peak_32656	chr23	38976466	38977605	-69033	Intergenic	NM_001080609	sall4	5.141530454	6.58227459	-1.440744136	0.00403
peak_26987	chr3	54593262	54594372	20961	intron (NM_001190756, intron 1 of 66)	NM_001190756	col5a3a	6.31431431	7.755059616	-1.440745306	0.000776
peak_26649	chr10	46070715	46072008	209126	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	7.504475788	8.945271729	-1.440795941	0.000686
peak_32601	chr20	15198484	15198753	28273	Intergenic	NM_200805	prdx6	3.995162437	5.436018659	-1.440856222	0.003977
peak_24346	chr10	10868405	10870696	-39718	Intergenic	NM_181495	nrarpa	9.237622419	10.67849279	-1.440870371	0.000298
peak_32232	chr20	54913763	54914164	-21424	Intergenic	NM_001122623	mogat3a	4.415380979	5.856291325	-1.440910346	0.003627
peak_24246	chr23	652858	654022	121	intron (NM_131383, intron 1 of 28)	NM_131383	nadl1.1	8.841025596	10.28204227	-1.441016678	0.000287
peak_32290	chr18	1394224	1394841	-196543	Intergenic	NM_198912	pepd	4.798584256	6.239763869	-1.441179613	0.003683
peak_32703	chr13	41383388	41384092	1024	intron (NM_212830, intron 1 of 1)	NM_212830	nkx1.2la	5.560638036	7.001833385	-1.441195349	0.00409
peak_43476	chr5	6575967	6576183	63625	Intergenic	NM_001013333	zgc:110796	1.967238845	3.408441042	-1.441202196	0.030702
peak_28069	chr9	55229075	55229720	-81907	Intergenic	NM_131555	dct	5.432311954	6.87355053	-1.441238577	0.001127
peak_25636	chr20	4199799	4200501	21477	intron (NM_001113647, intron 1 of 12)	NM_001113647	zgc:172112	7.099420003	8.540969809	-1.441549806	0.000485
peak_32174	chr13	49847761	49849376	-122715	Intergenic	NM_001003463	ntpcr	6.41796954	7.859566814	-1.441597274	0.003566
peak_30705	chr14	32763413	32763918	-31078	Intergenic	NM_212598	rbmx	5.180958654	6.622631187	-1.441672532	0.00243
peak_40809	chr2	15720203	15720802	259284	Intergenic	NM_001126393	vav3b	4.771424169	6.213157979	-1.44173381	0.020595
peak_27917	chr2	740702	741168	129459	Intergenic	NM_131728	foxc1a	5.161397164	6.603151645	-1.441754481	0.001073
peak_27143	chr21	33465770	33466134	158128	intron (NM_152955, intron 2 of 13)	NM_152955	dacha	5.029977095	6.471808358	-1.441831263	0.000817
peak_38506	chr6	51121882	51122726	402490	Intergenic	NM_001130610	rbl1	5.432311954	6.874159173	-1.441847219	0.013999
peak_28153	chr12	44436471	44437697	84526	Intergenic	NM_001034970	zgc:111868	5.906463592	7.348341994	-1.441878403	0.00116
peak_24576	chr2	41867369	41868198	94375	Intergenic	NM_182864	keap1a	7.732336837	9.174286438	-1.441949602	0.000327
peak_39854	chr20	31596303	31596661	-73274	Intergenic	NM_001044819	sash1a	4.317074445	5.759028292	-1.441953847	0.017564
peak_37113	chr9	9106876	9107257	-62049	Intergenic	NM_001126383	si:ch211-235e18.	4.210458296	5.652413863	-1.441955567	0.010803
peak_25127	chr17	32680235	32680853	-25666	Intergenic	NM_201484	ywhaqb	6.306541514	7.748871641	-1.442330127	0.000406
peak_31531	chr16	237444	238181	-39598	Intergenic	NM_205698	irx4a	6.075139782	7.517590155	-1.442450372	0.003024
peak_24753	chr21	42677196	42678168	14757	Intergenic	NM_001105278	fgf1b	6.334118113	7.776595986	-1.442477873	0.000352
peak_25308	chr3	6952203	6953158	7107	intron (NM_001003422, intron 2 of 3)	NM_001003422	sumo2b	6.095897876	7.538404445	-1.44250657	0.000434
peak_29906	chr17	38112010	38112820	12159	intron (NM_001077519, intron 1 of 29)	NM_001077519	plekhh1	6.620326054	8.062833883	-1.44250783	0.00197
peak_27337	chr17	18416825	18417435	210246	Intergenic	NM_213385	vrk1	5.882374352	7.324886949	-1.442512597	0.000872
peak_28510	chr9	19146286	19146792	206642	Intergenic	NM_212745	tsc22d1	4.789821631	6.232343463	-1.442521832	0.001294
peak_38017	chr23	6286293	6286687	158043	Intergenic	NM_200558	mybpha	4.088808875	5.531400534	-1.442591659	0.012813
peak_37671	chr22	34630066	34630513	-314454	Intergenic	NM_001037661_1	slc6a6b	3.506390602	4.949010274	-1.442619672	0.011982
peak_30323	chr1	31331621	31332302	13505	Intergenic	NM_131032	inab	5.556439486	6.999080319	-1.442640833	0.002209
peak_34735	chr23	2916929	2917545	-8328	Intergenic	NM_001089467	zgc:158828	5.20208622	6.644944507	-1.442858287	0.006465
peak_38131	chr12	28694999	28695503	-2838	Intergenic	NM_131538	hoxb6b	4.576470503	6.019347298	-1.442876795	0.013073
peak_40675	chr5	73856622	73857011	-84023	Intergenic	NM_001017876_1	fsip1	4.011613085	5.454809742	-1.443196658	0.020179
peak_31870	chr7	71137579	71138066	118322	intron (NM_001128544, intron 11 of 24)	NM_001128544	si:dkey-119o24.1	4.401863281	5.84524491	-1.443381629	0.003329
peak_41589	chr21	5685837	5686148	-52876	Intergenic	NM_173233	rpl35	3.205700064	4.64908977	-1.443389706	0.023282
peak_27289	chr25	30555915	30556682	-95745	Intergenic	NM_001034978	pim3	6.76734639	8.210736777	-1.443390386	0.000857
peak_39089	chr16	153153	153682	-91801	Intergenic	NM_200627_1	cdkal1	4.430813397	5.874288185	-1.443474788	0.015504
peak_29849	chr6	55974742	55975378	-6180	Intergenic	NM_001004558	eya2	5.721293112	7.164790381	-1.443497268	0.00194
peak_36324	chr3	56015021	56015328	-15771	Intergenic	NM_183066	hbae3	3.498630944	4.942162846	-1.443531901	0.009179
peak_35240	chr13	47089088	47089600	-48727	Intergenic	NM_001243005	fgfr2	5.026608515	6.47047701	-1.443868495	0.007247
peak_35079	chr16	42444869	42445188	80609	intron (NM_001076716, intron 4 of 13)	NM_001076716	rbms3	3.331406352	4.775436886	-1.444030534	0.007001
peak_29428	chr23	29335787	29336266	-264818	Intergenic	NM_198364	tardbpl	5.619642432	7.063695212	-1.44405278	0.00172
peak_36152	chr23	43726779	43727311	33544	Intergenic	NM_001122622	zgc:174862	4.034679932	5.478797957	-1.444118025	0.00884
peak_28887	chr10	40193302	40193715	77567	intron (NM_001030224, intron 3 of 32)	NM_001030224	dscama	4.910489906	6.354770224	-1.444280318	0.001459
peak_35889	chr15	44994549	44995246	22404	Intergenic	NM_001162527	LOC100151049	4.603906322	6.04819182	-1.444285498	0.008342
peak_33221	chr9	43870971	43871576	-67615	Intergenic	NM_001004506	fkbp7	5.048735907	6.493072029	-1.444336122	0.004622
peak_35308	chr8	17304937	17305216	27362	Intergenic	NM_199875	elovl7a	4.30933272	5.753708318	-1.444375598	0.007337
peak_34722	chr3	56626809	56627445	10020	intron (NM_131561, intron 4 of 10)	NM_131561	axin2	5.297049966	6.741533398	-1.444483432	0.006454
peak_23650	chr21	3651325	3652273	37570	Intergenic	NM_175082	smad7	8.030981233	9.475552969	-1.444571736	0.00022
peak_31277	chr4	26968572	26968962	225044	intron (NM_214799, intron 13 of 13)	NM_214799	tbc1d22a	5.029304008	6.473916791	-1.444612783	0.002828
peak_23856	chr20	2762208	2763396	2121	intron (NM_214696, intron 2 of 10)	NM_214696	syncrip	7.809602052	9.25477131	-1.445169258	0.000243
peak_27407	chr17	37710091	37710507	-68148	Intergenic	NM_213497	crip2	5.616956974	7.062199527	-1.445242553	0.000896
peak_38014	chr20	2884074	2884738	-98897	Intergenic	NM_001161601	amd1	5.254420497	6.699692919	-1.445272421	0.012802
peak_31073	chr7	12656783	12657392	227506	Intergenic	NM_001080993	mex3b	5.320961872	6.766254091	-1.445292219	0.002666
peak_30332	chr20	4250757	4251138	-6047	exon (NM_001113647, exon 12 of 13)	NM_001076758	zgc:154018	4.544684847	5.990076085	-1.445391238	0.002216
peak_30524	chr5	45644617	45645026	155850	Intergenic	NM_001013558	zgc:112966	4.516087906	5.961504386	-1.44541648	0.002323
peak_24939	chr4	59795938	59796791	-197467	Intergenic	NM_001199134	ptprb	6.75025716	8.195819185	-1.445562025	0.000379
peak_29804	chr18	22802158	22802548	27529	intron (NM_199209, intron 3 of 5)	NM_199209	cbfb	4.590227006	6.036020934	-1.445793927	0.001919
peak_29144	chr20	23595143	23595662	49396	Intergenic	NM_205656	cbr4	4.908295128	6.354089254	-1.445794126	0.001582
peak_37313	chr8	37873019	37873390	-142973	Intergenic	NM_001007207	gpkow	3.678071896	5.12388194	-1.445810044	0.011244
peak_41075	chr14	15942340	15942651	-510714	Intergenic	NM_001045428	rab33a	3.655466094	5.101341933	-1.445875839	0.02162
peak_31849	chr1	1905913	1906388	47823	intron (NM_001099998, intron 2 of 7)	NM_001161671	mbnl2	5.054701687	6.500580051	-1.445878364	0.003311
peak_31839	chr2	40432	41149	17448	Intergenic	NM_001168350	adcy1b	5.471080849	6.916960652	-1.445879804	0.003301
peak_26566	chr14	4553264	4554026	88853	Intergenic	NM_205648	dhrs13l1	7.149194576	8.595102611	-1.445908035	0.000667
peak_30014	chr23	34009880	34010393	-21236	Intergenic	NM_199631	racgap1	6.356055677	7.801964631	-1.445908954	0.002033
peak_27548	chr7	10624786	10625639	-331	promoter-TSS (NM_001044745)	NM_001044745	aldh1a3	6.243094184	7.689016377	-1.445922194	0.000941
peak_30624	chr5	29032818	29033351	-16411	Intergenic	NM_194391	hdr	4.776199364	6.222178725	-1.445979362	0.002383
peak_34967	chr23	28743535	28744017	-35477	Intergenic	NR_029989		4.987518977	6.433540574	-1.446021597	0.006808
peak_32354	chr19	36872897	36873328	36792	Intergenic	NM_001020633	ndufs5	4.398739775	5.844970943	-1.446231167	0.003746
peak_35595	chr12	18444896	18445278	46624	Intergenic	NM_001001822	ptenb	4.489851149	5.936108557	-1.446257408	0.007837
peak_27344	chr5	49778278	49779631	-20723	Intergenic	NM_001013453	ccnh	6.017114627	7.463503287	-1.44638866	0.000874
peak_30805	chr5	8677606	8678047	118666	Intergenic	NM_001002654	pdlim5a	6.17699611	7.623434278	-1.446438169	0.002493
peak_28393	chr24	42090853	42091551	161125	Intergenic	NM_001020507	smyhc1	6.590669997	8.03716566	-1.446495663	0.001245
peak_32367	chr8	308326	308848	-3566	Intergenic	NM_001017895	commd10	4.25841321	5.704914952	-1.446501742	0.003754
peak_29910	chr1	4855455	4856121	-143060	Intergenic	NM_001145693	abcb6a	5.695595968	7.142136408	-1.44654044	0.001975
peak_36978	chr20	30298536	30299984	97532	Intergenic	NM_001002716	allc	6.371335832	7.818173114	-1.446837282	0.010534
peak_37590	chr14	31999367	31999810	21439	intron (NM_131860, intron 1 of 8)	NM_131860	gpc4	4.696892816	6.143872981	-1.446980165	0.011835

peak_33668	chr5	22910015	22910405	-17387	intron (NM_001039926, intron 1 of 1)	NM_201186	cds2	4.199660318	5.646701648	-1.44704133	0.005116
peak_29426	chr2	45956104	45956689	146058	Intergenic	NM_001034987	itgb1b	5.685780676	7.132866862	-1.447086186	0.001719
peak_28788	chr15	37468772	37469284	-35890	Intergenic	NM_131481	robo1	5.859413719	7.306593492	-1.447179773	0.001413
peak_41802	chr21	30460168	30460500	343425	Intergenic	NM_001098766	zgc:165573	4.09267992	5.539862863	-1.447182943	0.02397
peak_32153	chr14	5301148	5301507	-90698	Intergenic	NM_001007134	lbx2	4.537128982	5.98431652	-1.447187539	0.003543
peak_28507	chr3	13020574	13020997	67140	Intergenic	NM_201313	dnaja3a	4.907562792	6.354846133	-1.447283341	0.001293
peak_33224	chr11	41965504	41966209	-32620	Intergenic	NM_001089510	tnfrsf1b	4.597510523	6.044849412	-1.447338889	0.004626
peak_30309	chr22	38916196	38916670	498052	Intergenic	NM_001017600	polr2h	4.659872185	6.10728626	-1.447414075	0.002198
peak_34319	chr15	41837095	41837757	26221	Intergenic	NM_001082897	kcne4	5.762089438	7.209690925	-1.447601487	0.005932
peak_35189	chr1	30592642	30593081	-74625	Intergenic	NM_178296	gli1	4.984744196	6.432420035	-1.447675839	0.007173
peak_23592	chr9	51421213	51422856	-256542	Intergenic	NM_001017644	slc38a11	7.540898086	8.988680701	-1.447782615	0.000214
peak_31824	chr12	44249282	44249652	33171	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	4.751061931	6.198897308	-1.447835377	0.003288
peak_30787	chr20	1642892	1643341	-125907	Intergenic	NM_001278799	lama2	4.940238868	6.388100648	-1.447861781	0.002477
peak_30252	chr21	3015597	3016112	184087	Intergenic	NM_213302	hnrnpabb	4.878664214	6.326646535	-1.447982321	0.002169
peak_25049	chr19	36898203	36899639	10983	Intergenic	NM_001020633	ndufs5	7.305160104	8.753381901	-1.448221797	0.000394
peak_33050	chr7	24673334	24673774	10462	intron (NM_001020521, intron 1 of 6)	NM_001020521	zgc:109889	5.335768134	6.783997155	-1.448229021	0.004451
peak_37905	chr19	30548964	30549233	-11463	Intergenic	NM_001114581	zgc:175136	3.592962636	5.041352706	-1.44839007	0.012528
peak_31602	chr3	9057849	9058548	35943	Intergenic	NM_131836_1	sim2	5.306557719	6.755011602	-1.448453883	0.003084
peak_38260	chr8	50550424	50550785	-211653	Intergenic	NM_001128741	zgc:195023	4.692648116	6.141203157	-1.448555041	0.013408
peak_32246	chr9	47124737	47125032	16162	intron (NM_001039358, intron 1 of 24)	NM_001039358	hdac4	4.0373604	5.486095107	-1.448734707	0.003639
peak_40266	chr14	28074365	28074741	263460	Intergenic	NM_001110457	klhl4	2.632603848	4.08144706	-1.448843212	0.018826
peak_34647	chr17	36360942	36361525	-302498	Intergenic	NM_131336	sox11a	5.587486179	7.036337956	-1.448851777	0.006376
peak_26442	chr8	55682830	55683611	18042	intron (NM_131212_1, intron 3 of 3)	NM_131212_1	exorh	6.810005424	8.258858068	-1.448852644	0.000639
peak_34592	chr6	44293342	44293793	39715	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	4.548447992	5.997429036	-1.448981044	0.00631
peak_30604	chr6	8370162	8370948	-71501	Intergenic	NM_001040393	kalrnb	5.691322623	7.140326411	-1.449003788	0.002367
peak_34760	chr21	15707289	15707594	100154	Intergenic	NM_001271841	gfi1b	4.200856343	5.649892893	-1.44903655	0.006504
peak_33111	chr1	40827083	40827592	-127999	Intergenic	NM_001077559	scoca	5.271630375	6.720792697	-1.449162322	0.004523
peak_30019	chr14	17111614	17111971	365070	Intergenic	NM_001044746	cnga5	4.917096733	6.366315756	-1.449219023	0.002035
peak_28740	chr14	30156081	30156662	-488660	Intergenic	NM_001045414	zgc:153146	4.682359636	6.131583344	-1.449223708	0.00139
peak_39882	chr20	45511413	45511857	351980	Intergenic	NM_001080702	zgc:158643	5.231678245	6.681147489	-1.449469243	0.017656
peak_42835	chr3	6717742	6718096	-153925	Intergenic	NM_001089460	pkn1b	3.911263383	5.360825112	-1.449561729	0.027826
peak_24299	chr1	16182234	16183157	63878	intron (NM_212967, intron 4 of 30)	NM_212967	fat1a	7.449934358	8.899598175	-1.449663817	0.000293
peak_27341	chr19	47038411	47041257	7949	intron (NM_001002305, intron 6 of 10)	NM_001002305	phtf2	7.460847452	8.910619506	-1.449772055	0.000873
peak_33261	chr7	50376085	50376508	48808	Intergenic	NM_131433	igf2a	4.342286181	5.792203279	-1.449917099	0.004659
peak_32210	chr15	38137411	38137925	75985	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	5.659411879	7.109363935	-1.449952056	0.003599
peak_30833	chr16	32929291	32929755	21537	Intergenic	NM_001013340	fam210a	5.144056011	6.594140568	-1.450084557	0.002515
peak_40919	chr17	26966728	26967008	-37208	Intergenic	NM_001077775	rps6ka1	3.779405205	5.229531317	-1.450126112	0.021022
peak_25169	chr2	16123537	16124298	129288	Intergenic	NM_001256616	sh3glb1b	6.471328658	7.921608095	-1.450279437	0.000413
peak_26478	chr7	33497090	33498523	-142506	Intergenic	NM_200239	kif18a	7.964595653	9.41490568	-1.450310027	0.000646
peak_30095	chr20	48380453	48381730	3366	intron (NM_001024665, intron 3 of 6)	NM_001024665	tfap2b	5.983722544	7.434037023	-1.450314479	0.002076
peak_31953	chr23	21147334	21147693	-4464	Intergenic	NM_001146149	pax7b	4.639677051	6.090088561	-1.45041151	0.003384
peak_30882	chr25	12503545	12503917	35117	intron (NM_001256664, intron 1 of 16)	NM_001256664	ntrk3a	4.066598018	5.517087295	-1.450489277	0.002545
peak_35259	chr7	27605593	27605921	13043	Intergenic	NM_001002130	mpdu1b	3.55032589	5.000852484	-1.450526594	0.007275
peak_41965	chr3	23685847	23686399	67072	Intergenic	NM_205716	casc3	5.253268081	6.703898101	-1.45063002	0.024538
peak_31655	chr7	41501299	41501652	25107	Intergenic	NM_001030239	zgc:112356	4.09910867	5.549815258	-1.450706589	0.003131
peak_31236	chr6	59485873	59486205	22513	Intergenic	NM_001007215_1	gpr34a	4.599325672	6.050042212	-1.450716541	0.002795
peak_31077	chr17	19110913	19111348	64518	Intergenic	NM_131017	gsc	5.31652284	6.767307241	-1.450784401	0.002668
peak_36374	chr5	29571845	29572384	29257	intron (NM_001166628, intron 12 of 12)	NM_001076718	adam28	6.010289137	7.461076688	-1.450787551	0.009277
peak_26784	chr16	5616859	5617776	-22497	Intergenic	NM_001017852	mecr	5.61336857	7.064212196	-1.450843626	0.000724
peak_34667	chr7	17810584	17810936	-7514	Intergenic	NM_131158	dbx1a	4.648521206	6.099401761	-1.450880556	0.006402
peak_37770	chr24	17794559	17794930	-11168	Intergenic	NM_001008734	commd3	4.509346067	5.960234971	-1.450888904	0.012209
peak_25371	chr8	16780563	16781707	-2672	Intergenic	NM_001007064	dmrta2	6.766134947	8.217050609	-1.450915662	0.000444
peak_39600	chr17	12916314	12916640	19269	intron (NM_200311, intron 20 of 24)	NM_200311	ctage5	4.321543857	5.772480097	-1.45093624	0.016882
peak_38850	chr5	19418808	19419349	-139909	Intergenic	NM_001100015	chfr	4.407054143	5.858024451	-1.450970308	0.014881
peak_38557	chr9	7427651	7427940	27530	Intergenic	NM_001034993	ihha	3.234016866	4.685047539	-1.451030673	0.014119
peak_30562	chr3	9247656	9248394	-153884	Intergenic	NM_131836_1	sim2	6.099448063	7.550560545	-1.451112483	0.002345
peak_27720	chr20	10289013	10289604	16506	intron (NM_130910, intron 12 of 12)	NM_130910	meis2b	5.032666307	6.484060969	-1.451394662	0.000999
peak_24765	chr13	53929808	53930760	12587	intron (NM_199954_1, intron 4 of 4)	NM_200520	zgc:66337	7.301385459	8.752957175	-1.451571716	0.000355
peak_36275	chr10	44885649	44886416	170235	Intergenic	NR_045221		5.253200823	6.704789143	-1.45158832	0.009072
peak_36201	chr13	10237307	10237860	51130	Intergenic	NM_001145616	prepl	4.679788522	6.131395501	-1.45160698	0.008922
peak_42694	chr3	1294833	1295752	15482	intron (NM_001258232, intron 9 of 9)	NM_001258232	dicp1.3-4	2.33794409	3.789560761	-1.451616671	0.02726
peak_40260	chr5	20451987	20452370	229053	Intergenic	NM_201009	aacs	4.405040581	5.856695385	-1.451654804	0.018802
peak_38343	chr19	1331080	1331563	85531	Intergenic	NM_001113601	scrt1a	5.30766836	6.759324176	-1.451655817	0.013635
peak_33614	chr17	18157670	18158015	209718	Intergenic	NM_001099260	bcl11ba	4.519926288	5.971793899	-1.451867612	0.005039
peak_32280	chr18	1300548	1301051	-102810	Intergenic	NM_198912	pepd	4.866612942	6.318666817	-1.452053874	0.003674
peak_36892	chr7	9897484	9898133	64897	Intergenic	NM_001024398_1		5.212238595	6.664337718	-1.452099123	0.010336
peak_38704	chr10	15426659	15426934	7286	intron (NM_001002225, intron 8 of 12)	NM_001002225	sgta	3.678071896	5.130273192	-1.452201296	0.014466
peak_30571	chr18	791970	792478	-15462	Intergenic	NM_214735	dhdhl	4.703658466	6.155896715	-1.452238249	0.002352
peak_34023	chr6	15968839	15969240	20051	Intergenic	NM_152964	gbx2	4.301549226	5.753852393	-1.452303166	0.005547
peak_24206	chr2	40276175	40277083	194730	Intergenic	NM_153658	epha4b	6.604331951	8.056801419	-1.452469469	0.000281
peak_32587	chr23	19060664	19060917	-84507	Intergenic	NM_001007446	nsfl1c	3.546567647	4.99910632	-1.452538674	0.003964
peak_25702	chr20	25515185	25516579	69	promoter-TSS (NM_001045198)	NM_001045198	hook1	7.641562903	9.09428345	-1.452720547	0.000496
peak_37693	chr23	2664542	2664943	-75328	Intergenic	NM_001030232	zgc:114123	4.219927938	5.672654317	-1.452726378	0.012027
peak_32584	chr16	12661384	12662517	117035	Intergenic	NM_131602	dedd1	6.598645259	8.051485624	-1.452840366	0.00396
peak_37814	chr1	23913660	23913966	120638	Intergenic	NM_001130587	tmem154	4.454070667	5.906972795	-1.452902128	0.012322
peak_36398	chr25	17338308	17338751	5526	intron (NM_001089445, intron 3 of 4)	NM_001089445	ccnd2a	4.402902949	5.85580576	-1.452902812	0.009327
peak_32150	chr9	41544416	41544953	-75036	Intergenic	NM_001128564	vwc2l	6.002059697	7.45496654	-1.452906843	0.003542
peak_35094	chr15	45812365	45812983	27696	intron (NM_001278822, intron 1 of 6)	NM_001278822	igsf11	5.045372053	6.498316112	-1.452944058	0.007024
peak_42462	chr5	397273	397796	90897	Intergenic	NM_200293	ddrgk1	3.745287581	5.198249039	-1.452961458	0.026278
peak_29033	chr16	54220488	54221172	257108	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	6.443737563	7.896776691	-1.453039127	0.001525
peak_30839	chr18	38832880	38833352	-16595	Intergenic	NM_001083064	si:ch211-132b12.	4.396653674	5.849814814	-1.45316114	0.002518
peak_33471	chr5	12119267	12119922	-168554	Intergenic	NM_203478_1	rtn4r	4.575494928	6.028696482	-1.453201554	0.004889
peak_29919	chr19	42924103	42924739	-313056	Intergenic	NM_001044975	gatad2b	5.30988708	6.763171798	-1.453284718	0.001978
peak_29926	chr8	19576483	19577286	-158722	Intergenic	NM_001082819	rorca	5.149021604	6.602308047	-1.453286444	0.001982
peak_40751	chr9	19445546	19446650	-1305	Intergenic	NM_001017832	gtf2f2b	6.396407926	7.849742107	-1.453334181	0.02039
peak_28657	chr3	56538205	56539624	-78193	Intergenic	NM_131561	axin2	7.263749906	8.717224836	-1.45347493	0.001352
peak_40836	chr6	2694705	2695063	-265611	Intergenic	NM_200334	hyi	3.674632506	5.12812142	-1.453488914	0.020667
peak_37137	chr5	73113085	73113792	46328	Intergenic	NM_001003629	rgs3a	3.965832482	5.419474841	-1.453642359	0.010844
peak_32695	chr17	42022794	42023510	-84744	Intergenic	NM_001098390	zgc:162576	4.835289348	6.288941803	-1.453652454	0.004082
peak_28673	chr10	12159741	12160111	-24699	Intergenic	NM_001004502	lpar1	4.543742525	5.997419295	-1.453676769	0.001359
peak_35836	chr14	48145757	48146459	-813	promoter-TSS (NM_001080662)	NM_001080662	shisa3	5.618747835	7.072568654	-1.453820819	0.00827
peak_29810	chr11	1936312	1936906	-14863	Intergenic	NM_001285533	nr1d4b	5.069219889	6.523083351	-1.453863462	0.001922
peak_26041	chr6	30194138	30194627	10885	intron (NM_001110470, intron 1 of 22)	NM_001110470	wwc3	5.63923599	7.093338912	-1.454102921	0.000558
peak_30353	chr2	45738844	45739756	7112	intron (NM_001045316, intron 4 of 10)	NM_001045316	fam102ba	7.019638699	8.473861275	-1.454222576	0.002226
peak_35393	chr15	20471572	20471990	62483	Intergenic	NR_030067		4.871127539	6.325393527	-1.454265988	0.007484
peak_31739	chr6	26255982	26256398	11921	Intergenic	NM_001037680	sox14	4.700279607	6.154685566	-1.454405959	0.003212
peak_41103	chr15	25466792	25467313	40846	intron (NM_203480, intron 1 of 2)	NM_203480	rtn4rl1b	4.35851614	5.812933983	-1.454417842	0.021721
peak_39391	chr8	4398779	4399086	-144389	Intergenic	NM_001040045	myl2b	4.063971374	5.51853252	-1.454561145	0.016298
peak_31164	chr13	53994451	53994962	-51835	intron (NM_199954_1, intron 4 of 4)	NM_200520	zgc:66337	5.110009366	6.564587819	-1.454578454	0.002732
peak_39728	chr10	13439463	13439811	-79154	intron (NM_001098242, intron 7 of 8)	NM_001099446	LOC556326	4.598471329	6.05312121	-1.454649881	0.017218
peak_36693	chr2	1609948	1610569	103285	intron (NM_200739, intron 3 of 3)	NM_200739	exosc4	3.842248838	5.296946394	-1.454697556	0.009898
peak_23619	chr8	10020951	10023039	93215	intron (NM_001098489, intron 3 of 31)	NM_001098489	plxna3	8.621728603	10.07651192	-1.454783319	0.000216
peak_24668	chr19	41231205	41232110	20633	intron (NM_001144053, intron 2 of 6)	NM_001144053	cdk6	7.770074301	9.224878161	-1.45480386	0.00034
peak_23745	chr6	43984647	43985678	-9551	Intergenic	NM_001012373	rybpb	7.294523165	8.749373798	-1.454850632	0.00023
peak_30567	chr21	28559869	28560243	-55491	Intergenic	NM_001002434	havcr1	5.062656257	6.517858512	-1.455202255	0.00235

peak_33075	chr23	30618838	30619421	-327287	Intergenic	NM_212631	dnajc11	4.611121277	6.066360617	-1.45523934	0.004474
peak_29353	chr7	24119466	24120383	3957	intron (NM_131843, intron 1 of 4)	NM_131843	tnfsf10l	5.592962636	7.048245713	-1.455283076	0.001686
peak_43952	chr14	20076607	20076916	3992	intron (NM_001037372, intron 5 of 23)	NM_001037372	ptcd3	2.715471362	4.170786672	-1.45531531	0.032741
peak_25408	chr19	870675	872236	-25478	Intergenic	NM_131679	eomesa	7.814711783	9.270050158	-1.455338374	0.00045
peak_35130	chr20	39047236	39047795	80313	intron (NM_001082893, intron 5 of 5)	NM_214819	rcan2	4.760826262	6.216359306	-1.455533044	0.007084
peak_37849	chr11	8444541	8444760	-130736	Intergenic	NM_001002332	uox	3.725478726	5.181042635	-1.455563909	0.012406
peak_30076	chr7	58022026	58022412	8011	intron (NM_131240, intron 7 of 11)	NM_131240	ck2a2a	4.704501946	6.160389294	-1.455887348	0.002065
peak_33173	chr14	47874604	47875172	-80955	intron (NM_001076572, intron 1 of 9)	NM_001076624	rnf44	5.621009351	7.076918974	-1.455909622	0.004574
peak_35649	chr5	4943103	4943569	-39949	Intergenic	NM_001110024	zbtb43	5.871127539	7.327131475	-1.456003936	0.007919
peak_34100	chr19	22019005	22019395	128194	Intergenic	NM_001042746	tshz1	4.653771219	6.109832851	-1.456061632	0.005643
peak_30063	chr17	23390537	23391125	4240	intron (NM_213480, intron 1 of 7)	NM_213480	pank1a	5.378768137	6.834844986	-1.456076849	0.002059
peak_32252	chr3	9022117	9022600	71783	Intergenic	NM_131836_1	sim2	5.222874499	6.67895958	-1.45608508	0.003644
peak_29930	chr16	6786727	6787272	-66467	Intergenic	NM_001002182	zgc:91890	5.808425591	7.264538482	-1.456112891	0.001983
peak_25047	chr11	46471433	46472689	-3709	Intergenic	NM_001017575	aspscr1	7.781734154	9.237860671	-1.456126517	0.000394
peak_34861	chr7	15619580	15619967	206297	Intergenic	NM_001002518	mrpl46	4.127133121	5.583454817	-1.456321696	0.006655
peak_31099	chr15	15338092	15338644	4293	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	5.542772074	6.999127075	-1.456355001	0.002684
peak_31810	chr20	8604325	8604749	-7488	Intergenic	NM_001040685	dab1a	5.073834811	6.53020475	-1.456369939	0.003275
peak_28984	chr1	209117	209561	3620	intron (NM_199978, intron 2 of 14)	NM_199978	gas6	5.648057263	7.104666929	-1.456609665	0.001503
peak_40962	chr15	4636891	4637207	-161433	Intergenic	NM_001197329	eif4h	3.027956891	4.484750205	-1.456793315	0.021154
peak_31732	chr16	51572655	51573177	31909	intron (NM_001003763, intron 2 of 7)	NM_001003763	eif3ha	5.168174795	6.625178151	-1.457003356	0.003203
peak_26502	chr8	24508249	24509009	-2940	exon (NM_001077143, exon 14 of 14)	NM_001128236	tbc1d25	6.029304008	7.486462797	-1.457158789	0.000653
peak_43521	chr21	19446652	19446983	-96098	Intergenic	NM_213226	zgc:85869	3.73706692	5.194255189	-1.457188269	0.030843
peak_34461	chr19	34616141	34616492	23336	Intergenic	NM_001003604	fam92a1	4.184021089	5.64122614	-1.457205052	0.006139
peak_28174	chr25	7436359	7437070	-190610	Intergenic	NM_001089334	hmg20a	5.15770641	6.614940496	-1.457234086	0.001167
peak_44010	chr4	7739338	7739899	-149220	Intergenic	NM_130937	wnt5b	5.043373307	6.500618919	-1.457245612	0.032992
peak_25256	chr15	30374827	30375575	-9984	Intergenic	NM_001001817_1	zgc:92326	7.074957699	8.532219062	-1.457261363	0.000425
peak_29230	chr15	15023751	15024243	7981	intron (NM_131880, intron 4 of 8)	NM_131880	hnf1ba	5.132783983	6.590404598	-1.457620615	0.001625
peak_43162	chr22	23477287	23477639	-17656	Intergenic	NM_001258318	uts2d	2.525720463	3.983384424	-1.457663961	0.029344
peak_38038	chr13	35541863	35542226	-18769	Intergenic	NM_131863	jag1b	4.018491687	5.476180148	-1.457688462	0.012854
peak_38504	chr7	71961767	71962092	-192196	Intergenic	NM_001080067	elp5	3.50251599	4.960218246	-1.457702255	0.013992
peak_32381	chr9	19495189	19496492	-197	promoter-TSS (NM_001002224)	NM_001002224	kctd4	6.400057246	7.857768818	-1.457711573	0.003766
peak_34398	chr13	39454705	39455257	84041	Intergenic	NM_001077317	zgc:153049	5.790639394	7.248384924	-1.45774553	0.006052
peak_33287	chr15	34542262	34543007	6124	intron (NM_200536, intron 4 of 5)	NM_200536	mff	5.760420731	7.218168195	-1.457747463	0.004681
peak_35627	chr16	31297869	31298399	44670	Intergenic	NM_001199720	LOC555692	4.556933841	6.014715424	-1.457781583	0.007887
peak_39785	chr9	38318098	38318450	-54261	intron (NM_130967, intron 5 of 13)	NM_001039828	slc15a2	3.544684847	5.002572036	-1.457887189	0.017348
peak_35996	chr6	26101504	26102157	79138	Intergenic	NM_001037227	dzip1l	4.755185932	6.213134253	-1.457948321	0.008523
peak_41938	chr17	808633	809287	-44470	Intergenic	NM_131591	actc1b	4.959486824	6.417480618	-1.457993795	0.024471
peak_38498	chr12	162513	163281	-64244	Intergenic	NM_200462	dnah9	4.243401343	5.701424019	-1.458022676	0.013982
peak_40324	chr5	51220730	51220996	-306710	Intergenic	NM_131180	nr2f1a	4.014336714	5.472364722	-1.458028008	0.019006
peak_36611	chr16	28699539	28700035	-740	promoter-TSS (NM_175084)	NM_175084	epb41b	4.132157201	5.590243925	-1.458086724	0.009753
peak_32842	chr25	371713	372125	45320	intron (NM_001077771_1, intron 2 of 2)	NM_183342	prickle1a	4.030649868	5.488749399	-1.458099531	0.004216
peak_36944	chr19	15359407	15359915	-72216	Intergenic	NM_001044982	cited4a	5.038068779	6.496209508	-1.458140729	0.010435
peak_37443	chr5	16003600	16003942	-60987	Intergenic	NM_001171697	npffr1l2	4.022555809	5.480712104	-1.458156295	0.01154
peak_34293	chr21	5152784	5153377	-64760	Intergenic	NM_131441_1	notch1a	4.576416744	6.034652521	-1.458235778	0.005893
peak_38342	chr10	22738219	22738482	-32096	Intergenic	NM_001111177	zgc:172339	3.857496901	5.315745503	-1.458248602	0.01363
peak_29138	chr16	53214093	53214690	162949	Intergenic	NM_200970	rab5ab	5.48933326	6.947639947	-1.458306686	0.00158
peak_26726	chr2	33942758	33943270	-87012	Intergenic	NM_001003878	cenpl	5.132783983	6.591172382	-1.458388399	0.000707
peak_29496	chr25	6945565	6946078	141629	Intergenic	NM_001122855	snx33	5.513655647	6.972064815	-1.458409168	0.001755
peak_40064	chr18	49039150	49039470	-33102	Intergenic	NM_001043325	loxl1	3.565261718	5.023907167	-1.45864545	0.018202
peak_41429	chr9	28111237	28111784	-251688	Intergenic	NM_001126402	si:rp71-84d19.3	4.47306213	5.932068358	-1.459006228	0.022707
peak_38802	chr16	46815161	46815963	164808	intron (NM_001039635, intron 4 of 7)	NM_001039635	zfpm2a	5.175493722	6.634536109	-1.459042387	0.014779
peak_32657	chr11	46299798	46300355	9136	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	4.383019995	5.842202032	-1.459182037	0.004031
peak_34063	chr9	52786793	52787455	-4198	Intergenic	NM_001115090	tbr1b	5.137788458	6.597058036	-1.459269578	0.005602
peak_42998	chr16	18432898	18433184	-144395	Intergenic	NM_001290140	zgc:56148	3.878664214	5.337974206	-1.459309992	0.028636
peak_42828	chr25	10844858	10845170	-3960	Intergenic	NM_199684	ppp6r3	4.082333961	5.541665617	-1.459331656	0.027807
peak_30501	chr6	59058317	59059290	-35428	Intergenic	NM_001123374	shmt2	5.297049966	6.756399747	-1.459349781	0.002312
peak_30062	chr9	51731727	51732657	-53287	Intergenic	NM_001020575	fign	6.224051441	7.683467239	-1.459415798	0.002058
peak_41067	chr11	17840567	17840916	372775	Intergenic	NM_001077273	fam19a4b	4.144713902	5.604398013	-1.459684111	0.021584
peak_23852	chr18	43610251	43610863	-3689	Intergenic	NM_001004538	gyltl1b	6.871326297	8.331265052	-1.459938755	0.000243
peak_36913	chr12	23210300	23210601	170741	Intergenic	NM_001020680	mrpl27	3.801740793	5.261970461	-1.460229668	0.01037
peak_31260	chr12	7270898	7271408	121777	intron (NM_001012486, intron 25 of 32)	NM_131003	dkk1b	5.208046443	6.668500835	-1.460454392	0.002815
peak_30348	chr11	22865732	22866315	122070	intron (NM_001199491, intron 6 of 17)	NM_001199491	foxp4	5.602975521	7.063435406	-1.460459885	0.002225
peak_41012	chr5	23268243	23268480	196806	Intergenic	NM_001114691	sh2d1aa	3.768153455	5.228631074	-1.460477619	0.021355
peak_42302	chr1	6656743	6657082	90232	Intergenic	NM_001102569	radil	4.26649893	5.72700379	-1.460504861	0.025642
peak_36500	chr23	11581762	11582286	101628	Intergenic	NM_001163106	chl1a	3.273336808	4.733946812	-1.460610004	0.009541
peak_27511	chr22	35232819	35233576	122381	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	6.69347327	8.154097167	-1.460623897	0.000929
peak_37821	chr10	34487390	34487722	65552	Intergenic	NM_001077613	zgc:153345	3.231678245	4.692443435	-1.460765189	0.012333
peak_26584	chr17	15223330	15224215	140	5' UTR (NM_214813, exon 1 of 17)	NM_214813	zgc:85722	6.558773522	8.019569369	-1.460795847	0.00067
peak_35218	chr16	43401379	43401807	159819	Intergenic	NM_001002075	ccne2	4.438945476	5.899759958	-1.460814483	0.007206
peak_30420	chr6	16202357	16202787	121440	Intergenic	NM_001002395	faimb	4.940238868	6.40108601	-1.460847143	0.002265
peak_31573	chr7	76647770	76648131	-24179	Intergenic	NM_001076619	btr12	4.277877455	5.73886141	-1.460983955	0.003062
peak_36670	chr18	40043750	40044197	5704	Intergenic	NM_131511	fzd9b	4.637911999	6.099111286	-1.461199288	0.009862
peak_27675	chr23	41338616	41339300	-169548	Intergenic	NM_001139458	si:dkey-194e6.1	5.283533241	6.744836801	-1.46130356	0.000981
peak_29632	chr4	4877985	4878517	-72424	Intergenic	NM_001013456	ndufa5	4.445014594	5.90638959	-1.461374996	0.001822
peak_42071	chr3	30011593	30012719	10311	Intergenic	NM_001001590	rpl3	5.219927938	6.681445473	-1.461517535	0.024914
peak_41207	chr6	4140518	4140850	-272350	Intergenic	NM_200247	unc50	3.457076769	4.918799341	-1.461722572	0.022034
peak_37959	chr14	53088485	53088852	-27307	Intergenic	NM_199952	ube2d2l	4.022555809	5.484279979	-1.46172417	0.01265
peak_33855	chr14	49331492	49331893	-617	promoter-TSS (NM_001077145)	NM_001077145	bbs7	4.529477799	5.991222677	-1.461744879	0.005332
peak_27678	chr5	6359335	6359867	-88634	Intergenic	NM_205570	zgc:73226	5.015736251	6.477489488	-1.461753238	0.000983
peak_38795	chr1	50228014	50228577	68929	Intergenic	NM_001077289	tsga10	4.819024807	6.280822233	-1.461797427	0.014747
peak_31944	chr15	29953935	29955037	159540	intron (NM_201109, intron 7 of 14)	NM_201109	msi2b	6.383546757	7.845346636	-1.461799879	0.003379
peak_34146	chr20	421770	422165	37449	Intergenic	NM_200606	ufl1	4.42871364	5.89053125	-1.46181761	0.005698
peak_25494	chr10	28149989	28150849	418806	Intergenic	NM_152948	cxadr	6.117311941	7.57913439	-1.46182245	0.000462
peak_30682	chr9	53811330	53811762	130065	Intergenic	NM_001030165	Mar-04	4.707870942	6.169702925	-1.461831983	0.002415
peak_24221	chr21	354158	355126	-9973	Intergenic	NM_205663	lhfpl2a	7.301524835	8.763464183	-1.461939348	0.000283
peak_39323	chr7	59349299	59349896	-5701	Intergenic	NM_001006063	ank2b	4.916368853	6.378397208	-1.462028355	0.016117
peak_29608	chr10	28078772	28079181	347363	Intergenic	NM_152948	cxadr	4.702814493	6.164979902	-1.462165409	0.001806
peak_24212	chr9	4803416	4804178	122686	Intergenic	NM_198356	prpf40a	6.753521104	8.215727503	-1.462206399	0.000282
peak_31989	chr11	35592062	35592538	34692	Intergenic	NM_001079988	fam212aa	5.597964525	7.060171513	-1.462206988	0.003419
peak_27941	chr18	19292397	19293591	-21203	Intergenic	NM_001080163	snapc5	6.648508421	8.110780084	-1.462271663	0.001084
peak_43600	chr4	45335992	45336406	-77862	Intergenic	NM_001128300	LOC100008037	2.548447992	4.010918895	-1.462470903	0.031208
peak_38591	chr20	35300786	35301148	20923	intron (NM_200108_1, intron 1 of 11)	NM_200108_1	znf395	4.283533241	5.746059784	-1.462526543	0.014199
peak_35978	chr9	55196650	55197050	94652	Intergenic	NM_001009888	sox21b	3.972850631	5.43539702	-1.462546389	0.008492
peak_29393	chr25	806055	807215	-65575	intron (NM_001098393, intron 3 of 7)	NM_199725_1	twf1a	5.770595438	7.233306436	-1.462710998	0.001703
peak_39727	chr3	58013312	58013715	-37054	Intergenic	NM_001123516	fscn2a	4.187645218	5.650730696	-1.463085478	0.017216
peak_36458	chr19	29280212	29280873	-5468	Intergenic	NM_213122	sox4a	4.808817851	6.272065411	-1.463247559	0.009457
peak_37271	chr10	7691840	7692672	-18199	Intergenic	NM_001099416	st8sia4	5.854482322	7.317869577	-1.463387256	0.011159
peak_40096	chr7	66691555	66691957	138444	Intergenic	NM_198825_1	fam60al	4.374503711	5.837912603	-1.463408892	0.018306
peak_32090	chr21	36811196	36811488	39630	intron (NM_001007405_1, intron 7 of 11)	NM_213387	pgk1	4.027956891	5.49137887	-1.463421979	0.0035
peak_29643	chr14	46411080	46411851	-551605	Intergenic	NM_200975	gar1	5.718814869	7.182242074	-1.463427205	0.001828
peak_33742	chr11	17907740	17908154	305569	Intergenic	NM_001077273	fam19a4b	3.999292718	5.462810173	-1.463517455	0.005198
peak_35918	chr18	11311188	11311549	189116	Intergenic	NM_001013335	zgc:110789	3.970047467	5.433616621	-1.463569155	0.008385
peak_29305	chr21	5270762	5271207	34769	intron (NM_205680, intron 2 of 4)	NM_205680	zgc:77838	4.523754484	5.987421892	-1.463667408	0.001669
peak_23984	chr15	14072711	14073815	-2107	Intergenic	NM_001030247	zgc:114130	8.69347327	10.15718152	-1.463708253	0.000255
peak_35744	chr1	10628167	10628803	242136	Intergenic	NM_001040305	brat1	5.380352505	6.844066366	-1.463713861	0.008118

peak_41729	chr16	44535149	44535629	38991	Intergenic	NM_199750	psmc4	4.776199364	6.239939252	-1.463739888	0.023731
peak_41289	chr25	10195860	10196188	-431781	Intergenic	NM_001039822	ehf	3.718814869	5.182607434	-1.463792565	0.022294
peak_36529	chr6	59038846	59039441	-55088	Intergenic	NM_001123374	shmt2	4.603853576	6.067727686	-1.46387411	0.009606
peak_36553	chr6	24551478	24551788	269873	Intergenic	NM_001024224	cygb2	3.83917979	5.303213445	-1.464033655	0.009659
peak_26381	chr4	10343098	10343940	-32355	Intergenic	NM_131060	sema3aa	7.162164885	8.626201677	-1.464036793	0.000628
peak_28228	chr24	11016252	11016957	161214	Intergenic	NM_001003651	zfand1	6.34853661	7.812586138	-1.464049528	0.001184
peak_28344	chr7	75333165	75333677	97791	Intergenic	NM_152885	adcyap1a	5.968664321	7.433301313	-1.464636992	0.001228
peak_31913	chr17	27113047	27114023	1444	3' UTR (NM_152967, exon 3 of 3)	NM_152967	id3	5.936991802	7.401742467	-1.464750665	0.003358
peak_34011	chr7	67682225	67682542	-231560	Intergenic	NM_212949	pth1b	4.602044119	6.066958516	-1.464914397	0.005535
peak_32558	chr14	53044319	53044606	-71513	Intergenic	NM_199952	ube2d2l	3.92580277	5.390841303	-1.465038534	0.003944
peak_36640	chr5	6261856	6262185	8947	intron (NM_205570, intron 2 of 5)	NM_205570	zgc:73226	3.438945476	4.904006212	-1.465060736	0.009818
peak_43524	chr25	14851689	14851994	83597	Intergenic	NM_131178	dbx1b	4.111880861	5.577048618	-1.465167757	0.030867
peak_26787	chr9	24904293	24905215	-20431	Intergenic	NM_001123237	serpine3	6.967249096	8.432450963	-1.465201867	0.000725
peak_34936	chr6	54292370	54293055	11014	exon (NM_001013542, exon 4 of 6)	NM_001013542	zgc:101577	6.173685236	7.638983095	-1.465297859	0.006778
peak_29507	chr1	35606254	35606712	17414	TTS (NM_131356)	NM_131356	smad1	5.162625321	6.628103619	-1.465478298	0.001762
peak_25152	chr10	4264557	4265100	69149	Intergenic	NR_029954		6.145609595	7.611137125	-1.465527529	0.000409
peak_32423	chr14	52266841	52267380	229317	intron (NM_001114465_1, intron 10 of 12)	NM_001114465_1	unc5a	5.5810438	7.046634903	-1.465591102	0.003809
peak_33647	chr16	577157	577529	-7209	Intergenic	NM_201057	irx2a	4.532330964	5.997940886	-1.465609922	0.005092
peak_26688	chr12	12184980	12185500	-1581	Intergenic	NM_131406	raraa	6.140925638	7.606579122	-1.465653484	0.000697
peak_29798	chr2	2505873	2506149	-58	promoter-TSS (NM_001177447)	NM_001177447	si:ch211-188c16.	4.22346309	5.68919733	-1.46573424	0.001916
peak_26955	chr24	33216938	33217513	161969	Intergenic	NM_001018143	trdmt1	5.890572412	7.35634213	-1.465769718	0.000765
peak_40468	chr13	38578867	38579262	-31928	Intergenic	NM_001113581	zgc:171579	3.86204007	5.327847524	-1.465807454	0.019486
peak_24616	chr15	6519611	6521028	26204	Intergenic	NM_001079946	gltscr2	7.829979172	9.295884577	-1.465905405	0.000331
peak_22715	chr13	30669299	30670226	-60621	Intergenic	NM_001113339	zmiz1a	7.531520171	8.997628577	-1.466108406	0.000149
peak_29980	chr8	28815400	28815893	-103371	Intergenic	NM_199802	kcnd3	4.810385827	6.276527427	-1.4661416	0.002017
peak_42661	chr19	1213079	1213608	-32447	Intergenic	NM_001113601	scrt1a	4.906139782	6.372617028	-1.466477246	0.027136
peak_32462	chr1	50367706	50368136	46287	intron (NM_131426, intron 3 of 10)	NM_131426	lef1	4.83374822	6.300377906	-1.466629685	0.003854
peak_35759	chr16	39501299	39501985	-6565	Intergenic	NM_200078	cited4b	6.121404768	7.588074227	-1.466669459	0.008141
peak_29558	chr6	36272978	36273289	34584	Intergenic	NM_001080682	lrrc15	4.42564779	5.892329401	-1.466681611	0.001791
peak_27086	chr11	39152463	39153295	-106623	Intergenic	NM_001034175	etnk2	5.09910867	6.565890259	-1.46678159	0.0008
peak_30274	chr23	15254664	15255190	-107124	Intergenic	NM_001004114	phf20b	5.751493908	7.218348903	-1.466854994	0.002178
peak_32093	chr21	39843899	39844559	-27285	Intergenic	NM_001076712	bod1	6.119527147	7.586599685	-1.467072538	0.003501
peak_38209	chr11	2882812	2883188	-102132	Intergenic	NM_201028	cpne5	3.533336158	5.000438933	-1.467102775	0.013298
peak_30216	chr19	47398667	47399445	149788	intron (NM_001177934, intron 5 of 7)	NM_001177934	trps1	5.564386956	7.031656502	-1.467269546	0.002152
peak_30188	chr18	48354191	48354768	254628	Intergenic	NM_001007334	yif1b	5.937371553	7.404770121	-1.467398568	0.002139
peak_35521	chr23	26594511	26595133	164870	Intergenic	NM_001099420	ptpn22	5.2869161	6.754355173	-1.467439073	0.007707
peak_28937	chr19	32900495	32900835	52625	intron (NM_001045026, intron 1 of 22)	NM_001045026	fam65b	4.910489906	6.377946142	-1.467456236	0.001484
peak_27780	chr11	9817662	9818710	219728	intron (NM_001142265, intron 3 of 5)	NM_001142265	nlgn1	6.093967964	7.56147174	-1.467503777	0.001024
peak_32762	chr18	41537018	41537396	175614	intron (NM_001167569, intron 4 of 5)	NM_001167569_1	pvrl1b	4.362796846	5.83051758	-1.467720735	0.004137
peak_27304	chr1	3409098	3409876	602618	Intergenic	NR_030045		7.180976333	8.648916182	-1.467939849	0.000862
peak_29233	chr21	397265	397710	34969	Intergenic	NM_200176	tmem38b	5.063971374	6.531994425	-1.468023051	0.001627
peak_31927	chr18	38595212	38595741	-56613	Intergenic	NM_001017682	sema6dl	5.354728731	6.822753016	-1.468024285	0.003368
peak_23670	chr16	446750	447972	-48587	Intergenic	NM_131755	slc6a3	6.849893014	8.317944378	-1.468051363	0.000222
peak_26200	chr11	22758460	22759304	14929	intron (NM_001199491, intron 1 of 17)	NM_001199491	foxp4	6.364131965	7.832233156	-1.46810119	0.00059
peak_29327	chr14	30198430	30199133	-446250	Intergenic	NM_001045414	zgc:153146	5.728384513	7.196557379	-1.468172867	0.001677
peak_34950	chr7	34652704	34653036	31642	Intergenic	NM_199986	anp32a	4.058703696	5.526955556	-1.46825186	0.006793
peak_30685	chr14	6923433	6923924	2897	intron (NM_001002516, intron 2 of 4)	NM_001002516	nme5	4.822136984	6.290503977	-1.468366993	0.002416
peak_28230	chr2	4222079	4222779	32096	intron (NM_194424, intron 1 of 25)	NM_194424	egfra	5.701945386	7.170333813	-1.468388427	0.001184
peak_22460	chr1	21608598	21610410	-586	promoter-TSS (NM_131315)	NM_131315	ldb2b	9.529944798	10.99840786	-1.468463062	0.000133
peak_31292	chr18	22422614	22423101	35934	intron (NM_001135133, intron 2 of 6)	NM_001135133	bcar1	5.200891215	6.66935577	-1.468464555	0.002842
peak_32812	chr5	60891128	60891559	-41235	Intergenic	NM_001017896	prkrip1	4.334678924	5.8031627	-1.468483775	0.004186
peak_36243	chr12	25498501	25498849	-3069	Intergenic	NM_001191020	psme4b	4.018491687	5.487043881	-1.468552194	0.009012
peak_37774	chr2	49817947	49818261	-169796	Intergenic	NM_001277094	rorcb	4.298135349	5.766694172	-1.468558823	0.012217
peak_39888	chr8	28995718	28996206	76945	intron (NM_199802, intron 2 of 6)	NM_199802	kcnd3	4.55032589	6.018941555	-1.468615666	0.017668
peak_36163	chr6	58520954	58521654	-44407	Intergenic	NM_212863	sp7	5.101069092	6.56971507	-1.468645978	0.008865
peak_35122	chr16	34080586	34081793	31759	Intergenic	NM_001025516	mlf2	6.135601136	7.604281989	-1.468680853	0.007074
peak_38939	chr18	47348212	47348541	14413	Intergenic	NM_201153	rps3	4.268715286	5.737416875	-1.468701589	0.015099
peak_23239	chr24	22076860	22077696	-45262	Intergenic	NM_194408	cdk8	6.788032196	8.256849715	-1.468817518	0.000186
peak_29232	chr3	11947924	11948256	-71859	intron (NM_001042778, intron 10 of 11)	NM_001077334	hlfa	4.843780917	6.312683761	-1.468902844	0.001626
peak_35375	chr6	973695	974390	-17061	Intergenic	NM_001245966	zeb2b	4.989636937	6.458612732	-1.468975795	0.007453
peak_30284	chr5	36254311	36255145	-20205	Intergenic	NM_001114845	hexa	6.316246959	7.785259032	-1.469012074	0.002183
peak_32492	chr23	38508405	38508968	255746	Intergenic	NM_001020707	zgc:112994	5.195466406	6.664676316	-1.46920991	0.003885
peak_31414	chr2	48289162	48289672	80555	Intergenic	NM_001030161	gigfy2	5.258446718	6.727915778	-1.46946906	0.002922
peak_30177	chr10	4011752	4012078	-42163	Intergenic	NM_200920	pitpnb	4.47306213	5.942543552	-1.469481421	0.002131
peak_27637	chr3	47953297	47953929	-15082	Intergenic	NM_001002183	cdc42ep4a	5.70999708	7.179506557	-1.469509478	0.000972
peak_37073	chr3	23210530	23210799	-64703	Intergenic	NM_214817	lsm12a	4.251504061	5.721024453	-1.469520392	0.010717
peak_36437	chr6	36403257	36403730	-72208	Intergenic	NM_131079	her6	4.497658046	5.967299205	-1.469641159	0.009419
peak_42407	chr14	18932414	18932806	-32270	Intergenic	NM_213548	nkx1.2lb	3.878664214	5.348309024	-1.46964481	0.026062
peak_36492	chr17	11614109	11614523	307267	intron (NM_001037400, intron 9 of 11)	NM_001037400	smyd3	4.573649529	6.043791772	-1.470142243	0.009529
peak_27017	chr15	45139835	45140363	63098	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	5.927609933	7.397757404	-1.470147471	0.000781
peak_34215	chr1	30987546	30988124	226	5' UTR (NM_001163312, exon 1 of 2)	NM_001163312	lbx1b	4.988904368	6.459184743	-1.470280375	0.005796
peak_34501	chr23	4465754	4466182	-5131	intron (NM_181498_1, intron 2 of 5)	NM_001122628	si:ch73-142c19.1	4.344452335	5.814767547	-1.470315212	0.006195
peak_34420	chr10	6899127	6899698	38927	Intergenic	NM_001017857	slc35e4	4.900175966	6.370588189	-1.470412223	0.006082
peak_38338	chr19	17057239	17058095	106519	Intergenic	NM_199574	srsf4	5.2140167	6.684433566	-1.470416866	0.013623
peak_27794	chr20	25041548	25042278	-49268	Intergenic	NM_001044979	epha7	5.948827541	7.419317606	-1.470490064	0.001029
peak_27831	chr19	21758318	21758758	-132468	Intergenic	NM_001042746	tshz1	5.111282037	6.581789901	-1.470507864	0.001042
peak_28979	chr20	35125873	35126509	14990	intron (NM_001045094, intron 1 of 36)	NM_001045094	si:ch211-89p3.3	5.260135339	6.73072537	-1.47059003	0.001501
peak_26590	chr5	67311371	67311813	60614	intron (NM_001278808, intron 6 of 21)	NM_001278808	pappab	5.559239876	7.029899704	-1.470659828	0.000672
peak_32679	chr5	26674696	26674998	31542	Intergenic	NM_001123269	abo	3.683215657	5.153995122	-1.470779465	0.004058
peak_23976	chr2	7738996	7739844	62073	intron (NM_131097, intron 11 of 15)	NM_131097	ephb3a	7.516561258	8.987503348	-1.47094209	0.000254
peak_31479	chr19	36977719	36978262	-757	promoter-TSS (NM_212596)	NM_212596	ak2	5.453096518	6.92419315	-1.471096632	0.002979
peak_42923	chr8	11975771	11976458	-12765	Intergenic	NM_001002366	tjp2b	5.373412426	6.844574415	-1.471161989	0.028233
peak_31222	chr3	54639925	54640564	-25466	Intergenic	NM_001190756	col5a3a	5.77822722	7.249460925	-1.471233705	0.002782
peak_40780	chr20	34851035	34851601	-19287	Intergenic	NM_001030207	emilin1a	4.9594456	6.430827558	-1.471381958	0.020525
peak_24446	chr15	17517572	17518630	220	exon (NM_131831, exon 1 of 20)	NM_131831	ncam1b	6.710824618	8.182267637	-1.471443019	0.000309
peak_25062	chr2	44251072	44252091	-6762	Intergenic	NM_001045246	cadm3	6.554789768	8.026334198	-1.471544431	0.000397
peak_34355	chr15	32551007	32551340	252418	Intergenic	NM_152974	mab21l1	4.169361555	5.640978349	-1.471616793	0.005987
peak_38094	chr17	34358575	34358921	4986	intron (NM_194363, intron 1 of 14)	NM_194363	mpp5a	3.542799588	5.014473887	-1.471674299	0.012979
peak_29349	chr11	27321700	27322207	8512	intron (NM_199699, intron 1 of 15)	NM_001003856	rbm12	5.753509216	7.225363936	-1.47185472	0.001684
peak_42239	chr11	27828146	27828773	-193290	Intergenic	NM_001045307	acad9	5.650711034	7.122668259	-1.471957226	0.025435
peak_39573	chr8	54979830	54980981	4650	exon (NM_001172402, exon 3 of 3)	NM_001037410	zgc:123194	6.24888771	7.720899928	-1.472012218	0.016812
peak_39905	chr4	49093749	49093954	695122	Intergenic	NR_030521		3.389328476	4.861466341	-1.472137865	0.017716
peak_32123	chr13	4836403	4836680	-95411	Intergenic	NM_001039639	abcg2c	4.031994474	5.504361323	-1.472366849	0.003519
peak_24917	chr2	1492484	1493056	53071	Intergenic	NR_111928_1		5.756382873	7.228780257	-1.472397384	0.000375
peak_26887	chr6	56923382	56924829	502434	Intergenic	NM_001002869	ddx27	6.70597685	8.178549487	-1.472572637	0.00075
peak_26180	chr13	5103735	5104240	141959	Intergenic	NM_131893	meis1	6.318468606	7.791059522	-1.472590916	0.000586
peak_29382	chr2	24804181	24804930	-38525	Intergenic	NM_001007459	slc35g2a	6.91542661	8.388039522	-1.472612912	0.001698
peak_37487	chr2	22440019	22440398	11060	intron (NM_001040384, intron 5 of 11)	NM_001040384	zgc:136639	3.340116769	4.812879151	-1.472762382	0.011641
peak_34820	chr7	43726654	43727231	-3859	Intergenic	NM_131044	eng2a	5.323160258	6.795983843	-1.472823585	0.00658
peak_35296	chr9	8259892	8260158	-178557	Intergenic	NM_001109720	zgc:171776	3.546567647	5.019502273	-1.472934627	0.007317
peak_33348	chr15	36091981	36092693	-148662	Intergenic	NM_001040687	nphs1	6.111282037	7.584307614	-1.473025577	0.004762
peak_34959	chr10	26313564	26314292	19931	Intergenic	NM_131294	sod1	5.36172786	6.834790826	-1.473062966	0.006798
peak_37648	chr23	24859266	24859610	-26934	Intergenic	NM_001005990	kansl2	3.804890439	5.27798742	-1.473096981	0.011942
peak_43218	chr20	29499887	29500502	-2709	Intergenic	NM_212852	grem1a	3.149677235	4.622810758	-1.473133522	0.029616
peak_34066	chr5	23215050	23216153	144046	Intergenic	NM_001114691	sh2d1aa	5.391918343	6.865119494	-1.47320115	0.005604

peak_30337	chr9	40422809	40423237	-365414	Intergenic	NM_200000	myl1	4.542799588	6.016042231	-1.473242643	0.002219
peak_33745	chr1	59557675	59557991	-28945	Intergenic	NM_001034182	sid4	4.454070667	5.927333602	-1.473262935	0.005199
peak_31238	chr11	25082044	25082667	41560	Intergenic	NM_213213	chia.3	5.659846816	7.133133758	-1.473286943	0.002797
peak_26392	chr2	34131153	34131800	-275474	Intergenic	NM_001003878	cenpl	6.459341819	7.932690988	-1.473349169	0.00063
peak_36624	chr6	53778658	53779145	41513	intron (NM_001013503, intron 2 of 14)	NM_001013503	cacna2d2	4.673771375	6.147156673	-1.473385297	0.009779
peak_26547	chr8	24333278	24334083	-41269	Intergenic	NM_001014824	sema3gb	7.071019665	8.544493796	-1.473474131	0.000663
peak_32002	chr5	52192328	52192958	275191	Intergenic	NM_001135983	zgc:194908	5.498172956	6.971767168	-1.473594212	0.003432
peak_28429	chr2	21770940	21771369	-8318	Intergenic	NM_001256694	tox	5.502544283	6.976258123	-1.47371384	0.00126
peak_25886	chr19	10154995	10156331	-10583	Intergenic	NM_001020468	ing4	6.901874553	8.375619022	-1.473744469	0.000529
peak_36833	chr15	30060068	30060666	53659	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	4.372382244	5.846160278	-1.473778034	0.010187
peak_40039	chr12	2196054	2196396	-38862	Intergenic	NM_131643	sox9a	4.623713297	6.097678354	-1.473965057	0.018127
peak_39795	chr19	11522346	11522636	-1224	Intergenic	NM_205676	tpm3	2.953113131	4.42712412	-1.474010988	0.017386
peak_35117	chr20	10893310	10893640	162272	Intergenic	NM_001077758	serpina1	4.185230144	5.659291402	-1.474061258	0.007065
peak_36831	chr10	40912330	40912700	-227262	Intergenic	NM_001037674	smtlb	4.336856522	5.810983309	-1.474126786	0.010178
peak_27891	chr15	32805203	32805949	-1985	Intergenic	NM_152974	mab21l1	5.760038755	7.234166281	-1.474127527	0.001063
peak_34542	chr1	3793259	3793979	-379630	Intergenic	NM_001003842	spry2	5.099749972	6.573893405	-1.474143433	0.006244
peak_33882	chr23	4260328	4260855	16030	intron (NM_181498_1, intron 2 of 5)	NM_001002221	aar2	4.940238868	6.414638462	-1.474399594	0.005372
peak_27618	chr17	53382762	53383340	35854	intron (NM_131896, intron 2 of 4)	NM_131896	meis2a	4.868119378	6.342535707	-1.474416329	0.000965
peak_25947	chr14	28308313	28309185	497656	Intergenic	NM_001110457	klhl4	6.432042496	7.906461973	-1.474419477	0.00054
peak_23716	chr5	67282017	67282802	89797	intron (NM_001278808, intron 9 of 21)	NM_001278808	pappab	6.400317558	7.874774968	-1.47445741	0.000228
peak_27175	chr20	51222456	51223141	38594	intron (NM_001172400, intron 1 of 24)	NM_001172400	gphnb	5.954886428	7.429373202	-1.474486774	0.000826
peak_40066	chr16	44879984	44880423	41166	intron (NM_001168265, intron 1 of 11)	NM_001168265	dyrk1b	4.313761648	5.788396799	-1.47463515	0.018205
peak_40905	chr13	42773806	42774201	-3546	Intergenic	NM_001004568	cdc42ep3	4.386116344	5.860788626	-1.474672281	0.020942
peak_27742	chr3	58659473	58660616	-66355	Intergenic	NM_001080585	syngr2a	7.55960994	9.034288975	-1.474679035	0.001009
peak_29578	chr19	10808025	10808746	9704	intron (NM_001197060, intron 2 of 3)	NM_001197060	dbpa	5.311548883	6.786230512	-1.474681628	0.001797
peak_28292	chr22	35991177	35992207	-23652	Intergenic	NM_173274	dag1	7.231703847	8.70640821	-1.474704363	0.001205
peak_26885	chr24	43541978	43542919	35336	intron (NM_001034986, intron 52 of 52)	NM_001007435	arhgap28	7.905099114	9.379902993	-1.474803879	0.000749
peak_31737	chr7	41710931	41711271	90066	exon (NM_001128667, exon 6 of 23)	NM_001128667	ptprn2	3.967238845	5.442128511	-1.474889666	0.003205
peak_29857	chr13	51040589	51040911	135029	Intergenic	NM_001004376	pkz	5.165078501	6.639974012	-1.474895511	0.001943
peak_23871	chr19	45075136	45075795	-15488	Intergenic	NM_201081	wasf2	6.638574146	8.113519217	-1.474945071	0.000244
peak_31487	chr12	16624478	16625098	111111	Intergenic	NM_001162849	nmt1b	5.732549633	7.207566872	-1.47501724	0.002981
peak_39518	chr5	31731640	31731998	3041	Intergenic	NM_001128779	timm8b	4.790662565	6.265726624	-1.475064059	0.016678
peak_23983	chr6	3429984	3430851	-49314	Intergenic	NM_001017625	dmbx1b	6.401098215	7.876164774	-1.475066559	0.000255
peak_26583	chr3	6184664	6185357	-23346	Intergenic	NM_212977	ddx39b	6.578272032	8.053371736	-1.475099704	0.00067
peak_42002	chr11	29231259	29231583	136440	intron (NM_001033094_1, intron 3 of 4)	NM_001033094_1	ephb2b	3.90687284	5.382037433	-1.475164592	0.024694
peak_24594	chr6	7330826	7332096	373	exon (NM_131286, exon 1 of 1)	NM_131286	sox21a	6.814505071	8.289958883	-1.475453812	0.000329
peak_31299	chr7	17153432	17154009	39506	exon (NM_001017735, exon 3 of 7)	NM_001017735	mpped2a	6.209532659	7.685052248	-1.475519589	0.002849
peak_34058	chr9	4145974	4146758	-469298	Intergenic	NM_001020664	rprma	5.164465597	6.63999505	-1.475529453	0.005594
peak_35160	chr9	4970678	4971197	80210	Intergenic	NM_001113484	nr4a2a	4.60751831	6.083168568	-1.475650258	0.007125
peak_30078	chr8	45662231	45663256	-45531	Intergenic	NM_001007032	ncor2	6.886861648	8.362542344	-1.475680697	0.002066
peak_34920	chr3	28336399	28336742	-109756	Intergenic	NM_001005596	rbfox1	4.102952214	5.578716342	-1.475764128	0.006754
peak_36095	chr6	7292733	7293042	-38201	intron (NM_001007038, intron 20 of 29)	NM_131286	sox21a	3.6900456	5.165827148	-1.475781548	0.008715
peak_38278	chr24	13958542	13959183	129600	Intergenic	NM_131193	eya1	5.317074445	6.792880336	-1.475805891	0.013454
peak_24819	chr18	1826697	1827462	-129382	Intergenic	NM_001030257	rab27a	6.302368932	7.778185234	-1.475816302	0.000362
peak_24859	chr23	23117599	23118146	167185	Intergenic	NM_212722	eno1a	6.096540606	7.572804542	-1.476263936	0.000369
peak_28528	chr13	45164927	45165396	192987	Intergenic	NM_001030175	zfand3	5.09910867	6.575415169	-1.4763065	0.001301
peak_32633	chr15	37289709	37290232	-214948	Intergenic	NM_131481	robo1	3.921456318	5.397774647	-1.476318329	0.004012
peak_31452	chr13	24575248	24575747	27662	Intergenic	NM_001007443	rhoua	5.570414389	7.046858386	-1.476443997	0.002953
peak_36338	chr2	32816343	32816737	-90963	Intergenic	NM_001076570	rnf220a	4.111880861	5.588374822	-1.476493961	0.009207
peak_39343	chr20	37805022	37805495	-14028	Intergenic	NM_200964	atf3	5.407084371	6.883585395	-1.476501024	0.016174
peak_40970	chr2	658866	659321	211301	Intergenic	NM_131728	foxc1a	4.115690573	5.592247722	-1.476557149	0.021185
peak_39574	chr6	35090327	35090891	104095	intron (NM_001256393, intron 8 of 18)	NM_199559	mier1a	3.826747503	5.303373345	-1.476625842	0.016815
peak_36673	chr16	3903092	3903329	-109692	Intergenic	NM_001020660	cyb5r4	3.157090365	4.633738355	-1.47664799	0.009864
peak_42605	chr19	27235373	27235985	-13675	exon (NM_201347, exon 7 of 17)	NM_131187	ck2b	4.8361042	6.312758611	-1.476654411	0.026872
peak_38295	chr17	13776020	13776332	550431	Intergenic	NM_200482	jkamp	3.890572412	5.367274106	-1.476701694	0.013505
peak_29448	chr1	59911318	59911993	50365	Intergenic	NM_001037694	lpar2b	4.995162437	6.471868431	-1.476705994	0.001729
peak_41242	chr5	10973535	10974061	16030	intron (NM_200045, intron 8 of 14)	NM_200045	chek2	2.877168754	4.353888859	-1.476720104	0.022158
peak_30327	chr20	28191053	28191567	-83592	Intergenic	NM_001079835	dll4	5.088808875	6.565590405	-1.476781531	0.002214
peak_42193	chr2	44168383	44169041	-68513	intron (NM_001045246, intron 2 of 9)	NM_001130651	kirrelb	4.06002242	5.536824824	-1.476802404	0.025297
peak_34828	chr24	33390421	33390829	8950	intron (NM_131872, intron 4 of 8)	NM_131872	vim	4.755185932	6.232038459	-1.476852527	0.006594
peak_43008	chr6	43535653	43536069	154256	intron (NM_001039637, intron 19 of 19)	NM_001013450	zgc:113054	3.772986383	5.249927201	-1.476940819	0.028672
peak_36979	chr1	38740778	38742334	29270	Intergenic	NM_001040307	fbxo8	6.149986878	7.627213094	-1.477226217	0.010539
peak_32728	chr24	35958436	35958850	66737	intron (NM_131456, intron 7 of 17)	NM_131456	ctnna1	3.676353226	5.153636083	-1.477282857	0.004115
peak_33721	chr3	23587072	23587400	74821	Intergenic	NM_199214	col1a1a	4.415380979	5.892861587	-1.477480608	0.005175
peak_31337	chr13	5007314	5007928	238325	Intergenic	NM_131893	meis1	4.953071725	6.430614452	-1.477542727	0.002872
peak_29068	chr7	54642293	54643279	-5128	Intergenic	NM_131635	fgf4	6.295355037	7.773099425	-1.477744388	0.001543
peak_30453	chr9	50799085	50799567	-103290	Intergenic	NM_200132	scn1a	5.988232044	7.465976771	-1.477744727	0.002284
peak_23591	chr21	7774391	7774902	-2253	Intergenic	NM_212834	nr5a1b	6.520884289	7.998634702	-1.477750413	0.000214
peak_32731	chr12	38644396	38644880	134811	Intergenic	NM_001080568	hs3st3b1b	4.645837784	6.123664109	-1.477826325	0.004116
peak_28985	chr19	3230804	3232130	-101003	Intergenic	NM_001261449	il6	7.455846905	8.933723011	-1.477876106	0.001504
peak_27933	chr18	23716825	23717967	-58331	Intergenic	NM_131183	nr2f2	6.462615371	7.940492174	-1.477876804	0.001082
peak_29868	chr22	709778	710289	13688	intron (NM_001077610, intron 11 of 12)	NM_001077610	zgc:153635	4.961605146	6.439499127	-1.477893982	0.001948
peak_37522	chr20	55296617	55297653	242890	Intergenic	NM_212962_1	pak7	2.732111944	4.210025921	-1.477913976	0.011717
peak_32852	chr18	23394694	23395026	264205	Intergenic	NM_131183	nr2f2	4.070529039	5.548467353	-1.477938314	0.004225
peak_23825	chr9	57585551	57586470	42289	Intergenic	NM_001017557	Sep-10	7.541141076	9.019120694	-1.477979618	0.000239
peak_29914	chr6	16275576	16276163	48143	Intergenic	NM_001002395	faimb	6.89927681	8.37729497	-1.478018159	0.001977
peak_29951	chr22	41029907	41030204	22199	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	4.282403856	5.760556674	-1.478152818	0.001996
peak_35029	chr14	39613851	39614301	-430310	Intergenic	NM_001099453	rnasel3	4.556879349	6.035213787	-1.478334439	0.006912
peak_31084	chr19	33902303	33902742	-8535	Intergenic	NM_001017581	zbtb8b	4.539021661	6.017506507	-1.478484846	0.002674
peak_26921	chr9	47906475	47907079	-15664	Intergenic	NM_001126463	igfbp5a	5.322061484	6.800607187	-1.478545703	0.00076
peak_33020	chr22	5077871	5078125	-50135	Intergenic	NM_001118891	s1pr4	3.722150645	5.2007382	-1.478587555	0.004421
peak_34302	chr8	7928111	7928604	32433	Intergenic	NM_001166129	pcsk1nl	5.509317908	6.987986347	-1.47866844	0.005913
peak_38331	chr20	40702649	40703118	49301	Intergenic	NM_131038	cx43	5.166303529	6.644973045	-1.478669516	0.013597
peak_42196	chr1	48499452	48499910	170955	intron (NM_001077556, intron 17 of 17)	NM_001077556	ccdc147	4.723767106	6.202498364	-1.478731258	0.025304
peak_26291	chr24	1195130	1195702	-50970	intron (NM_181497, intron 9 of 16)	NM_001034971	itgb1a	6.077727199	7.556604146	-1.478876947	0.000608
peak_30007	chr24	12580742	12581205	10541	intron (NM_200950, intron 2 of 5)	NM_200950	pdcd6	4.973591395	6.4526395	-1.479048105	0.002029
peak_29533	chr17	20899095	20899547	-3095	Intergenic	NM_131333	vsx1	5.542300364	7.021365196	-1.479064831	0.001773
peak_31898	chr18	40047776	40048681	1449	exon (NM_131511, exon 1 of 1)	NM_131511	fzd9b	5.448572529	6.927783296	-1.479210767	0.003345
peak_41437	chr2	3966849	3967290	-58	promoter-TSS (NM_001004574)	NM_001004574	cx47.1	4.027956891	5.507246562	-1.479289671	0.022724
peak_26694	chr14	38910824	38911981	704503	Intergenic	NM_001048055	lect2l	7.25870875	8.738046088	-1.479337338	0.0007
peak_39021	chr21	37308982	37309566	36440	Intergenic	NM_001080058	zgc:158291	5.258987481	6.738345882	-1.479358401	0.015321
peak_23104	chr5	51260323	51262251	-266286	Intergenic	NM_131180	nr2f1a	8.001272634	9.480673488	-1.479400854	0.000177
peak_36260	chr25	15161798	15162179	31257	Intergenic	NM_200452	dnajc24	4.491806838	5.971477947	-1.479671109	0.009036
peak_29518	chr15	29281372	29282091	131669	Intergenic	NR_030070		6.169361555	7.649120867	-1.479759311	0.001767
peak_32220	chr8	15753570	15754047	-2692	Intergenic	NM_001113603	si:dkey-7o6.3	4.986866231	6.466811242	-1.479945012	0.003613
peak_25032	chr16	3338901	3339913	72078	Intergenic	NM_194385	tgfb2	6.976911391	8.456912247	-1.480000857	0.000392
peak_33140	chr20	14666897	14667578	-37007	Intergenic	NM_200403	tmed5	6.028967346	7.50897391	-1.480006563	0.004546
peak_28982	chr6	59634915	59635927	-4904	Intergenic	NM_212938	aamp	5.712095621	7.192153118	-1.480057496	0.001502
peak_39959	chr22	31197788	31198622	136043	Intergenic	NM_001013572	si:dkeyp-34c12.1	4.587486179	6.067704376	-1.480218197	0.017923
peak_26229	chr7	44614069	44614670	-3041	Intergenic	NM_001098757	gpt2	6.171821109	7.652080415	-1.480259306	0.000595
peak_34153	chr19	43619500	43620031	12138	intron (NM_199639, intron 1 of 3)	NM_199639	nfyc	4.801740793	6.282207973	-1.48046718	0.005705
peak_31957	chr24	23501154	23501632	133987	Intergenic	NM_001199998	si:dkey-7n6.2	4.986132253	6.466610589	-1.480478335	0.003391
peak_32856	chr6	4445126	4445473	13099	Intergenic	NM_201285	pou4f1	4.500574775	5.981091329	-1.480516554	0.004228
peak_30533	chr15	28575383	28575885	-49968	Intergenic	NM_001077555	rap1gap2a	4.519926288	6.000474404	-1.480548116	0.002328
peak_31777	chr19	46046576	46047146	-451147	Intergenic	NM_001045120	rad21b	4.620983289	6.10159444	-1.480611151	0.003249

peak_30354	chr22	7463302	7463694	-13902	Intergenic	NM_001003737	zgc:92041	4.494735408	5.975514122	-1.480778714	0.002226
peak_29677	chr21	9207187	9207535	23704	intron (NM_001163923_1, intron 3 of 4)	NM_001163923_1	ccbe1	4.66594746	6.146738217	-1.480790757	0.00185
peak_24884	chr17	12559358	12559953	-2289	Intergenic	NM_001002563	stmn4l	5.856001471	7.336803917	-1.480802446	0.000372
peak_34616	chr20	17798724	17799323	13002	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	5.246266606	6.727232654	-1.480966048	0.006336
peak_38128	chr16	3632287	3632830	-22025	Intergenic	NM_001076754	zgc:152945	2.715471362	4.196442706	-1.480971344	0.013058
peak_28838	chr11	40436108	40436811	103	5' UTR (NM_001040387, exon 1 of 5)	NM_001040387	wnt4a	6.153679392	7.634692244	-1.481012852	0.001432
peak_28326	chr14	727737	728155	10766	intron (NM_212639, intron 16 of 17)	NM_001130593	tlr1	5.253810789	6.734851478	-1.48104069	0.001224
peak_25380	chr18	112844	114216	-950	promoter-TSS (NM_001030061)	NM_001030061	trpm7	7.315979074	8.79707517	-1.481096096	0.000445
peak_31565	chr11	45206428	45207002	51946	intron (NM_001015069_1, intron 3 of 3)	NM_001077318	clcn4	4.935217321	6.416370263	-1.481152941	0.003051
peak_26263	chr25	23269096	23269587	-41311	Intergenic	NM_001045312	stra6	5.922544159	7.403724794	-1.481180635	0.000601
peak_26743	chr4	22903387	22904115	-4242	Intergenic	NM_194401	celf2	6.9061077	8.38728883	-1.481181131	0.000713
peak_23281	chr13	26175767	26176637	99105	Intergenic	NM_001040391	bcl11aa	8.225374353	9.706595716	-1.481221363	0.000189
peak_34116	chr15	25678921	25679268	196236	intron (NM_203480, intron 1 of 2)	NM_199811	rpa1	3.594783512	5.076037733	-1.481254221	0.005666
peak_43733	chr16	29145770	29146113	-39212	Intergenic	NM_001002108	ino80c	3.753556765	5.234875791	-1.481319026	0.031886
peak_32710	chr20	12086468	12086747	-798278	Intergenic	NM_001100043	flrt2	4.264145665	5.745484444	-1.481338779	0.004098
peak_26129	chr14	31417189	31417806	4823	Intergenic	NM_131077	her5	5.547978135	7.029337035	-1.4813589	0.000575
peak_23709	chr8	41559159	41559846	-47	promoter-TSS (NM_001013516)	NM_001013516	msi1	8.152593619	9.633978878	-1.48138526	0.000226
peak_30503	chr20	46379552	46380272	52608	Intergenic	NM_131360	bmp2b	5.677187751	7.158617633	-1.481429883	0.002313
peak_30869	chr25	66444	67165	-25930	intron (NM_180969_1, intron 1 of 10)	NM_001033096	aqp9a	5.440971353	6.922561539	-1.481590185	0.002537
peak_37661	chr15	35525913	35526295	101270	Intergenic	NM_183070	sst1.1	3.6900456	5.171722573	-1.481676973	0.011962
peak_35291	chr8	16126992	16127295	-304664	Intergenic	NM_001017814	spata6	3.995162437	5.476853262	-1.481690825	0.007312
peak_41354	chr9	55576789	55577399	89653	Intergenic	NM_131209	pcdh8	4.543742525	6.025499151	-1.481756626	0.022503
peak_40006	chr9	36115268	36115523	-74363	Intergenic	NM_152886	appb	3.866568977	5.34850398	-1.481935003	0.018041
peak_36705	chr14	23539087	23539471	37557	Intergenic	NM_001004614	smyd5	4.815079557	6.297066944	-1.481987386	0.009921
peak_31713	chr1	38693652	38694069	76966	Intergenic	NM_001040307	fbxo8	4.786638878	6.26870453	-1.482065652	0.003183
peak_28509	chr24	36557291	36557835	-120858	Intergenic	NM_001030067	pcmtd1	4.967238845	6.44951871	-1.482279864	0.001293
peak_33767	chr18	44333840	44334110	-37455	Intergenic	NM_201026	ap2m1b	4.259561525	5.742085325	-1.482523801	0.005224
peak_40865	chr19	169496	169831	-8473	Intergenic	NM_001002213	tatdn1	3.55032589	5.032851663	-1.482525774	0.020765
peak_40132	chr7	77058719	77059460	7305	Intergenic	NM_001020651	zgc:112102	4.297017342	5.779586014	-1.482568672	0.018415
peak_42813	chr13	22390046	22390374	-15072	Intergenic	NM_205678	myoz1a	4.115764558	5.598390631	-1.482626073	0.027752
peak_37156	chr20	24112947	24113345	51714	Intergenic	NM_001020750	map3k7	4.531380536	6.01417034	-1.482789804	0.010903
peak_35392	chr19	33535539	33535919	124144	Intergenic	NM_001004682	fabp11a	3.399781695	4.88258275	-1.482801055	0.007483
peak_38619	chr20	48861349	48861674	-59581	Intergenic	NR_030665		4.021202373	5.504016644	-1.482814271	0.014261
peak_41285	chr5	9467876	9468357	-1206	Intergenic	NM_001098481	atp5ib	5.467636031	6.950462556	-1.482826525	0.022273
peak_29247	chr5	19477180	19477851	-81472	Intergenic	NM_001100015	chfr	5.427722212	6.910570663	-1.48284845	0.001637
peak_35208	chr2	29156718	29157174	42991	Intergenic	NM_131110	cahz	4.230507512	5.71339225	-1.482884738	0.007193
peak_32042	chr22	16308162	16308458	-3983	Intergenic	NM_001100085	dph5	3.887604564	5.370616904	-1.483012339	0.003467
peak_40215	chr22	32919516	32920301	-100341	intron (NM_199663, intron 8 of 17)	NM_131237	mxi1	4.815079557	6.298155153	-1.483075596	0.018649
peak_25251	chr16	114401	115807	-53488	Intergenic	NM_200627_1	cdkal1	6.874338718	8.357568097	-1.483229379	0.000425
peak_35973	chr16	44945777	44946161	9570	Intergenic	NM_213002	fbl	4.547508126	6.030881543	-1.483373417	0.008487
peak_34309	chr6	9491239	9491771	-9857	Intergenic	NM_200886	gcdh	4.808033224	6.291579496	-1.483546273	0.005919
peak_31723	chr14	42167855	42168664	-5666	Intergenic	NM_173260	taf7	5.514645876	6.99835144	-1.483705563	0.003196
peak_23123	chr9	54363373	54365180	-149282	Intergenic	NM_001017360	xrcc5	7.835878075	9.319611535	-1.48373346	0.000179
peak_33042	chr22	743753	744019	-728	promoter-TSS (NM_200245)	NM_200245	rbbp5	4.002039684	5.485945018	-1.483905333	0.004438
peak_29703	chr3	58022179	58022689	-28133	Intergenic	NM_001123516	fscn2a	6.322061484	7.805985472	-1.483923989	0.00186
peak_27814	chr3	12037472	12037935	-81420	intron (NM_001042778, intron 10 of 11)	NM_001076623	prkar1b	5.292569356	6.7764968	-1.483927444	0.001035
peak_32645	chr12	22122709	22123135	26055	Intergenic	NM_199970	nme2a	4.191260267	5.675242191	-1.483981924	0.004027
peak_25358	chr5	55246231	55247245	-16039	intron (NM_001020519, intron 6 of 10)	NM_001281844	pik3r1	7.471445319	8.955576057	-1.484130738	0.000441
peak_22328	chr2	10154025	10155112	23470	intron (NM_213146, intron 2 of 11)	NM_213146	wls	7.828341271	9.31290283	-1.48456156	0.000126
peak_26231	chr17	42027907	42029003	-79441	Intergenic	NM_001098390	zgc:162576	7.629713948	9.114327047	-1.484613099	0.000596
peak_33858	chr5	45194080	45194464	105146	Intergenic	NM_001099974	rhobtb2a	4.359587508	5.844203372	-1.484615864	0.005334
peak_38058	chr7	17620810	17621198	182242	Intergenic	NM_131158	dbx1a	4.462131255	5.946838809	-1.484707553	0.012909
peak_41951	chr14	31074619	31074879	-67775	Intergenic	NM_001006088	asah1a	3.512183079	4.996900692	-1.484717614	0.024518
peak_27748	chr9	10044985	10045694	18222	intron (NM_001039621, intron 2 of 10)	NM_001039621	fstl1b	5.692198151	7.177014284	-1.484816133	0.001012
peak_38611	chr13	53713537	53713934	64681	Intergenic	NM_213269	klhdc3	4.152152513	5.63706041	-1.484907897	0.014243
peak_32545	chr16	52661067	52661744	389226	Intergenic	NM_001201489	efhb	4.872629271	6.357620131	-1.48499086	0.003935
peak_22065	chr14	50815292	50818247	-162283	Intergenic	NM_001002065_1	ppid	9.412618948	10.89761129	-1.484992345	0.000112
peak_32211	chr7	74246132	74246526	-181411	Intergenic	NM_214699	myl12.1	3.85293938	5.337945189	-1.485005809	0.0036
peak_26946	chr3	13835981	13836600	40566	Intergenic	NM_001197065	nfil3-2	6.449564412	7.934570413	-1.485006001	0.000765
peak_42345	chr10	39156775	39157200	-134049	Intergenic	NM_001202415	bhlha9	4.727188319	6.212198644	-1.485010325	0.025811
peak_26094	chr3	56215834	56216599	7042	Intergenic	NM_001080635	ldlrap1b	6.135932053	7.621041208	-1.485109155	0.000568
peak_31759	chr2	6889663	6890328	77	promoter-TSS (NM_001114683)	NM_001114683	si:dkey-60b12.1	5.452565264	6.937763926	-1.485198663	0.003237
peak_32264	chr18	22338615	22339107	-48062	Intergenic	NM_001135133	bcar1	4.725478726	6.210684088	-1.485205362	0.003657
peak_29958	chr20	32593312	32593994	53009	Intergenic	NM_001002588	sec63	5.79460574	7.279864717	-1.485258977	0.002004
peak_33062	chr5	27025215	27025547	-3685	Intergenic	NM_001082856	rorb	3.999292718	5.484641113	-1.485348395	0.004463
peak_30403	chr5	6563360	6563720	51090	Intergenic	NM_001013333	zgc:110796	4.731284458	6.216708474	-1.485424016	0.002255
peak_42147	chr10	45939855	45940159	159245	Intergenic	NM_001134725	adrbk2	3.742004936	5.227475512	-1.485470576	0.025157
peak_26681	chr5	15942547	15943483	-231	promoter-TSS (NM_001171697)	NM_001171697	npffr1l2	6.500574775	7.986068014	-1.485493239	0.000696
peak_39765	chr2	6675418	6675861	-28554	Intergenic	NM_001126390	si:dkey-60b12.7	4.188851241	5.674431836	-1.485580595	0.017296
peak_26098	chr16	14107336	14108060	-37869	Intergenic	NM_001001849	trpv6	7.096389323	8.582011978	-1.485622655	0.000569
peak_29106	chr5	67031847	67032178	94942	Intergenic	NM_001256818	dnm1b	4.546567647	6.032346543	-1.485778896	0.001561
peak_27194	chr7	47669967	47671248	41014	Intergenic	NM_130995	ccne1	6.827965573	8.313879602	-1.485914029	0.000831
peak_25270	chr2	32276239	32276962	16200	Intergenic	NM_213298	tmub1	6.16846266	7.65440099	-1.48593833	0.000428
peak_42217	chr19	16559492	16559898	83047	Intergenic	NM_001040375	stmn1a	4.481017596	5.966960097	-1.485942501	0.02538
peak_26430	chr7	76087569	76088344	-180880	Intergenic	NR_034276		6.968664321	8.454673037	-1.486008716	0.000637
peak_37368	chr11	1415723	1416078	-50197	intron (NM_001020537, intron 8 of 12)	NM_001243178	zgc:92868	4.28916694	5.775186985	-1.486020044	0.011362
peak_36029	chr17	51963425	51963873	175874	Intergenic	NM_001006065	tssc1	4.315971024	5.802124512	-1.486153488	0.008575
peak_26821	chr5	23595068	23595708	76179	Intergenic	NM_001099997	LOC559803	5.748610487	7.234792459	-1.486181972	0.000734
peak_28670	chr9	29986141	29986827	-14008	intron (NM_001007200, intron 17 of 25)	NM_200089	epb41l5	5.295931118	6.782140088	-1.486208971	0.001358
peak_34285	chr5	40866477	40866931	-95275	Intergenic	NM_200710	paqr3a	4.426670464	5.912937981	-1.486267517	0.005882
peak_34283	chr6	55543978	55544281	-27283	Intergenic	NM_200550_1	ctsa	3.159552967	4.645845451	-1.486292484	0.005881
peak_28725	chr4	9688546	9689033	20141	Intergenic	NM_200937	ing3	5.548447992	6.034947146	-1.486499154	0.001378
peak_23227	chr8	20648698	20649624	26911	intron (NM_001013278, intron 1 of 17)	NM_001013278	rfx2	7.803895434	9.290501844	-1.486606411	0.000185
peak_35059	chr21	23909148	23909812	-96318	Intergenic	NM_001004630	sc5d	5.137200293	6.623926183	-1.486725889	0.006959
peak_32043	chr12	47808204	47808870	-7014	intron (NM_213414, intron 13 of 17)	NM_001252350	plaub	5.742439633	7.229221191	-1.486781558	0.003468
peak_33757	chr20	28871662	28872178	-3476	Intergenic	NM_131220	max	5.026569165	6.513433599	-1.486864434	0.005214
peak_42592	chr11	30317489	30317806	-129594	Intergenic	NM_001114908		4.268715286	5.755677149	-1.486961863	0.026834
peak_30484	chr23	27497615	27498102	88204	intron (NM_131628, intron 21 of 26)	NM_131628	scn8aa	5.438438561	6.925462609	-1.487024047	0.002303
peak_28915	chr5	17562963	17563507	-30293	Intergenic	NM_001100957	hspb8	5.397697102	6.885076255	-1.487379154	0.001476
peak_35363	chr4	14770412	14770852	99396	intron (NM_001030134, intron 10 of 17)	NM_001030134	exoc4	4.352008366	5.83940235	-1.487393984	0.007438
peak_22336	chr14	36278802	36280753	170217	Intergenic	NM_001007108	il12ba	7.863301103	9.350810402	-1.487509299	0.000127
peak_37448	chr15	6350243	6350827	1825	intron (NM_001005991, intron 1 of 3)	NM_001005991	zgc:103530	5.300433863	6.788055436	-1.487621573	0.011545
peak_29744	chr7	77002362	77003082	-19427	Intergenic	NM_199916	ppp1cbl	5.438945476	6.926680592	-1.487735116	0.001886
peak_28758	chr23	45188370	45188786	-115187	Intergenic	NM_001201337_1	LOC794400	5.265322777	6.753180901	-1.487858124	0.001399
peak_39299	chr14	5266904	5267318	-124914	Intergenic	NM_001007134	lbx2	4.063971374	5.551880221	-1.487908847	0.01607
peak_23105	chr5	17847281	17848512	72604	Intergenic	NM_001004541	zgc:92445	8.24060791	9.728616788	-1.488008878	0.000177
peak_31070	chr14	47642492	47643200	25508	intron (NM_200840_1, intron 2 of 7)	NM_200840_1	pdlim7	5.195466406	6.6835438	-1.488077394	0.002663
peak_37854	chr15	19012098	19012548	60593	Intergenic	NM_001017764	zgc:112083	3.951692923	5.439924536	-1.488231613	0.012422
peak_24750	chr25	33039971	33040624	-154648	Intergenic	NM_201214	eif3ja	6.43127841	7.919528135	-1.488249725	0.000352
peak_27466	chr8	50452011	50452545	-309979	Intergenic	NM_001128741	zgc:195023	5.280142431	6.768437058	-1.488294628	0.000914
peak_21962	chr6	43963478	43964295	11725	intron (NM_001012373, intron 2 of 5)	NM_001012373	rybpb	8.17358244	9.661930488	-1.488348048	0.000107
peak_26972	chr6	14554428	14555414	-295089	Intergenic	NM_201447	pou3f3b	6.598658493	8.087008782	-1.488350289	0.00077
peak_36024	chr6	32477161	32477626	-76431	Intergenic	NM_001082940	mafa	4.760062422	6.248577463	-1.48851504	0.008572
peak_36748	chr6	1877297	1877595	12241	intron (NM_001004109, intron 1 of 22)	NM_001004109	quo	3.395609492	4.8841396	-1.488530108	0.010011
peak_29650	chr12	24859650	24859908	13205	Intergenic	NM_131784	bambia	4.396653674	5.885576951	-1.488923276	0.001831

peak_41169	chr24	39196887	39199020	6173	Intergenic	NM_201101	h3f3d	6.327820733	7.816840646	-1.489019913	0.021903
peak_27301	chr14	44280159	44280816	-128814	Intergenic	NM_001115099	pcdh18b	6.941649522	8.430713699	-1.489064176	0.000862
peak_40657	chr8	29926149	29926549	177618	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	3.5783123	5.067469006	-1.489156706	0.020099
peak_43288	chr17	11154781	11155167	38397	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	3.974331779	5.463547144	-1.489215365	0.029931
peak_42130	chr9	16056132	16056358	-355374	Intergenic	NM_131520	fn1a	3.504454597	4.993712636	-1.489258039	0.025103
peak_40612	chr14	30499553	30499927	-145291	Intergenic	NM_001045414	zgc:153146	3.751925757	5.24140701	-1.489481253	0.019958
peak_28042	chr9	55100470	55101002	-1462	Intergenic	NM_001009888	sox21b	5.340116769	6.829615921	-1.489499151	0.001118
peak_35517	chr10	14145936	14146433	305906	Intergenic	NM_001080612	galt	5.054701687	6.544264787	-1.489563101	0.007702
peak_28781	chr15	41488369	41488875	9546	intron (NM_199586_1, intron 2 of 4)	NM_199586_1	actn4	5.411223569	6.901022842	-1.489799273	0.001411
peak_28844	chr16	52201603	52202027	154187	Intergenic	NM_001110524	brd2b	4.910489906	6.400368401	-1.489878495	0.001438
peak_39602	chr3	8576302	8576644	-7647	intron (NM_001111227, intron 1 of 1)	NM_001045247	zgc:136308	3.224639552	4.714660351	-1.490020799	0.016884
peak_36805	chr24	13124552	13125553	51924	intron (NM_200925, intron 13 of 14)	NM_001080583	rdh10a	5.912702642	7.402781805	-1.490079163	0.010124
peak_43678	chr16	54084786	54085206	121274	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	4.574626352	6.064714232	-1.490087881	0.031599
peak_37006	chr7	37240285	37240737	-75568	Intergenic	NM_001045227	irx5a	4.482001777	5.97209557	-1.490093794	0.01058
peak_43450	chr1	53479479	53479959	191508	Intergenic	NM_001081629	smarca5	4.231678245	5.72188293	-1.490204685	0.030605
peak_26558	chr6	44822645	44823291	-489686	Intergenic	NM_001256392	pdzrn3b	5.7428742	7.233141476	-1.490267276	0.000666
peak_23648	chr9	24387167	24388503	3991	Intergenic	NM_213248	arl4cb	7.710083703	9.20035182	-1.490268117	0.00022
peak_31688	chr6	56877260	56877671	549074	Intergenic	NM_001002869	ddx27	4.791410378	6.281875788	-1.49046541	0.00316
peak_28965	chr11	33398966	33399525	136256	intron (NM_001160822, intron 3 of 3)	NM_001160822	pcdh17	6.002402695	7.493005236	-1.490602541	0.001496
peak_34444	chr16	6440084	6441059	50032	Intergenic	NM_200796	elovl4a	5.725894197	7.216520749	-1.490626552	0.006116
peak_28320	chr23	31342253	31342683	-3813	Intergenic	NM_153665	tbx18	4.571801766	6.062507872	-1.490706107	0.00122
peak_23199	chr19	6911802	6912891	95489	Intergenic	NM_131684	atp1a3a	8.640176298	10.13092958	-1.490753277	0.000183
peak_29571	chr2	787418	787891	82740	Intergenic	NM_131728	foxc1a	5.918187865	7.408947047	-1.490759182	0.001795
peak_39625	chr11	40999946	41000293	-404883	Intergenic	NM_001002073	vamp3	2.889089251	4.379929202	-1.490839951	0.01694
peak_25237	chr23	7744506	7745092	-20813	Intergenic	NM_205718	pofut1	6.891509416	8.382354693	-1.490845276	0.000422
peak_35255	chr17	31724616	31725016	-6045	Intergenic	NM_131462	vsx2	5.013695992	6.504560106	-1.490864113	0.007272
peak_34078	chr19	37200001	37200449	-55658	Intergenic	NM_001082901	col8a2	4.403941868	5.894874772	-1.490932904	0.005616
peak_24582	chr5	6197312	6198419	73102	Intergenic	NM_205570	zgc:73226	6.598191472	8.089476349	-1.491284877	0.000328
peak_35535	chr24	39754316	39754691	1007	intron (NM_001013511, intron 1 of 28)	NM_001013511	mybpc2b	4.327031342	5.818412482	-1.49138114	0.007735
peak_28080	chr7	37288998	37289398	-124255	Intergenic	NM_001045227	irx5a	4.617404898	6.108898302	-1.491493404	0.001133
peak_35410	chr3	27970131	27970490	20987	intron (NM_200562, intron 1 of 4)	NM_200562	carhsp1	4.171803318	5.663318587	-1.491515269	0.007517
peak_28006	chr16	7286986	7287522	171525	Intergenic	NM_131059	ctnnb1	5.827179997	7.318724884	-1.491544886	0.001105
peak_26745	chr9	14462568	14463157	-77782	Intergenic	NM_001040366	prkag3b	6.665081128	8.156705275	-1.491624147	0.000713
peak_34676	chr14	39591344	39591710	-452859	Intergenic	NM_001099453	rnasel3	4.122091483	5.614036487	-1.491945004	0.00641
peak_32826	chr18	4310018	4310511	-1263	Intergenic	NM_200555	pdcd10a	4.78105211	6.273062081	-1.492009972	0.004196
peak_39415	chr16	54667216	54668170	-43483	Intergenic	NM_213187	dhdds	5.016415696	6.508492953	-1.492077257	0.016357
peak_34101	chr8	7039044	7039629	-107253	Intergenic	NM_001130781	vsig8b	4.647644343	6.139794138	-1.492149795	0.005644
peak_34871	chr13	6626151	6626541	-33387	Intergenic	NM_205675	pitx3	4.302663728	5.794931715	-1.492267987	0.00667
peak_27743	chr9	26985083	26985827	37879	intron (NM_001128555, intron 11 of 12)	NM_001128555	arhgap15	5.976716478	7.469123763	-1.492407285	0.001009
peak_36093	chr3	61351600	61351994	-5325	Intergenic	NM_001020529	tsen54	4.194866279	5.687303711	-1.492437432	0.00871
peak_30622	chr7	36619840	36620308	-39051	Intergenic	NM_212720	hsd11b2	4.528525488	6.020991461	-1.492465972	0.002381
peak_30868	chr1	31291104	31291747	19169	intron (NM_001079966, intron 3 of 17)	NM_001079966	nt5c2b	5.549884024	7.042563977	-1.492679953	0.002537
peak_42611	chr1	43176563	43176994	514542	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	4.846884773	6.339568281	-1.492683508	0.026899
peak_29918	chr12	38262407	38262775	63003	Intergenic	NM_001113644_1	zgc:172101	4.367064887	5.859853494	-1.492788607	0.001978
peak_31784	chr2	28949381	28949813	-14821	Intergenic	NM_001076735	cdh18	4.698587205	6.19139985	-1.492812645	0.003254
peak_29202	chr10	22222430	22222935	-12022	intron (NM_001008632, intron 1 of 7)	NM_199428	npm1a	5.827157406	7.320017225	-1.492859819	0.001608
peak_39148	chr17	42500564	42500778	-106379	Intergenic	NM_130949	foxa2	3.273336808	4.766275858	-1.49293905	0.015675
peak_43616	chr11	38310310	38310759	-160528	Intergenic	NM_001040385	egfl7	4.451116927	5.944137718	-1.493020791	0.031298
peak_28247	chr6	44218096	44218795	89796	intron (NM_001256392, intron 3 of 9)	NM_001110371	ppp4r2b	6.759824058	8.252851987	-1.49302793	0.001188
peak_29747	chr7	37292806	37293201	-128060	Intergenic	NM_001045227	irx5a	4.832205444	6.325287841	-1.493082397	0.001887
peak_41262	chr12	44155271	44155740	127133	intron (NM_001080602, intron 10 of 15)	NM_001080602	ebf3	3.5783123	5.071514658	-1.493202358	0.022212
peak_32820	chr2	25349033	25349332	-177445	Intergenic	NM_001159832	fndc3ba	3.764922485	5.258179163	-1.493256678	0.004191
peak_39270	chr22	14016950	14017372	-13889	Intergenic	NM_205753	sh3bp4a	3.893534166	5.386834159	-1.493299993	0.016008
peak_31697	chr16	1457790	1458153	72047	Intergenic	NM_178222	sim1a	4.196066283	5.689410235	-1.493343951	0.003171
peak_28015	chr20	21949602	21950020	32392	intron (NM_001030136, intron 4 of 24)	NM_001030136	daam1b	5.451590098	6.944966881	-1.493376783	0.00111
peak_38206	chr14	37894440	37894844	7269	intron (NM_131804, intron 8 of 9)	NM_131804	nots	3.282403856	4.775783631	-1.493379775	0.013291
peak_40363	chr7	36380880	36381365	-37313	Intergenic	NM_001077332	ddx28	4.325871559	5.819260747	-1.493389188	0.019122
peak_35986	chr15	23416349	23416750	-120175	Intergenic	NM_212633	appbp2	4.754324056	6.247820732	-1.493496675	0.008506
peak_34611	chr4	27599625	27600146	64088	Intergenic	NM_001020599	trmu	5.420523517	6.914130143	-1.493606626	0.006333
peak_30585	chr15	14099624	14100068	16201	Intergenic	NM_200661	trappc6bl	4.691748046	6.185378388	-1.493630343	0.002358
peak_32013	chr5	141558	142229	-42915	Intergenic	NM_001034985	dcc	5.166915653	6.660560355	-1.493644702	0.003439
peak_40969	chr11	25069311	25069696	28708	Intergenic	NM_213213	chia.3	5.248581717	6.742260821	-1.493679104	0.021181
peak_27121	chr21	41416695	41417301	3870	intron (NM_001020512, intron 1 of 13)	NM_001020512	dpysl3	4.959486824	6.453179813	-1.493692989	0.000811
peak_34740	chr6	40242492	40243155	40256	Intergenic	NM_001045305	ttll3	5.000666855	6.494444379	-1.493777524	0.006472
peak_31018	chr12	6472101	6472458	-44405	Intergenic	NM_001161653_1	plce1	4.09267992	5.58650293	-1.49382301	0.00263
peak_28852	chr13	5123081	5123661	122575	Intergenic	NM_131893	meis1	5.529001722	7.023121534	-1.494119812	0.001444
peak_36928	chr13	13142005	13142442	13404	intron (NM_131606, intron 2 of 15)	NM_131606	fgfr3	4.30933272	5.803463293	-1.494130573	0.010398
peak_35760	chr9	15393648	15394276	306909	Intergenic	NM_131520	fn1a	4.422575411	5.916833498	-1.494258087	0.008141
peak_31153	chr11	22535369	22535843	116048	Intergenic	NM_001013545	zgc:101564	5.225815055	6.720094123	-1.494279068	0.002725
peak_40272	chr22	24518713	24519222	33083	Intergenic	NR_029937		3.84531137	5.339623758	-1.494312388	0.018851
peak_29483	chr16	39040782	39041124	-163772	Intergenic	NM_001200061	LOC100005807	4.932297992	6.426611402	-1.494313409	0.001745
peak_42656	chr11	38675046	38676006	-38955	Intergenic	NM_001080057	ppp1r26	5.904996687	7.399318399	-1.494321713	0.027092
peak_24897	chr22	3608195	3609181	240219	Intergenic	NM_001013507	timm44	8.134984703	9.629313885	-1.494329182	0.000373
peak_29331	chr5	74240958	74241530	300405	Intergenic	NM_001017876_1	fsip1	5.359020672	6.853438436	-1.494417764	0.001678
peak_32223	chr25	6659620	6660267	-168	promoter-TSS (NM_182858)	NM_182858	crabp1a	4.772986383	6.267502151	-1.494515768	0.003617
peak_39064	chr5	339626	339864	-89240	Intergenic	NM_214750	rnf170	2.970047467	4.46459055	-1.494543083	0.015427
peak_35185	chr16	42555605	42555995	-30163	Intergenic	NM_001076716	rbms3	4.607465695	6.102072481	-1.494606786	0.007168
peak_31380	chr14	503544	503972	-2115	intron (NM_212882, intron 11 of 12)	NM_001114567	zgc:172215	4.621876502	6.116689127	-1.494812626	0.002901
peak_21869	chr7	6201426	6202367	17083	intron (NM_153674, intron 1 of 7)	NM_153674	vangl2	8.872642953	10.36750137	-1.494858418	0.000102
peak_35194	chr1	47572451	47573087	-3683	Intergenic	NM_207182	itsn1	5.621902548	7.116877661	-1.494975113	0.007178
peak_31547	chr25	1515977	1516541	-134383	Intergenic	NM_001077455	ppm1h	5.335768134	6.830780602	-1.495012468	0.003037
peak_22552	chr6	33188387	33189053	-46204	Intergenic	NM_201143	pik3r3b	7.196824522	8.691844129	-1.495019607	0.000138
peak_32096	chr4	4783965	4784327	21681	Intergenic	NM_001013456	ndufa5	4.222285668	5.717397264	-1.495111596	0.003503
peak_25528	chr22	41030990	41031497	23387	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	5.324258195	6.819444308	-1.495186113	0.000468
peak_35396	chr1	28539231	28539679	59260	Intergenic	NM_001114714	si:dkey-1h24.2	3.931577743	5.426771929	-1.495194186	0.007489
peak_32324	chr14	50917163	50917661	-61640	Intergenic	NM_001002065_1	ppid	5.102312334	6.597588259	-1.495275925	0.003717
peak_34036	chr23	23680893	23681558	14180	Intergenic	NM_131873	her9	4.932339999	6.427683968	-1.495343969	0.005562
peak_31416	chr19	26566716	26567213	110299	intron (NM_001202459, intron 2 of 17)	NM_001202459	jarid2b	5.417924538	6.913339901	-1.495415363	0.002923
peak_25710	chr17	36519639	36520426	176502	Intergenic	NM_001007331	colec11	5.59159547	7.08703273	-1.49543726	0.000497
peak_31250	chr13	9936440	9936753	-110017	Intergenic	NM_131362	six3a	4.066598018	5.562128842	-1.495530823	0.002807
peak_32983	chr18	7288910	7289486	186422	Intergenic	NM_001044963	rabl2	5.534759635	7.030438554	-1.495678918	0.004384
peak_32904	chr5	34912367	34912694	3720	Intergenic	NM_001005945	zgc:103692	4.412286634	5.907975892	-1.495689258	0.004288
peak_35294	chr8	510414	511520	11304	Intergenic	NM_001077726_1	zgc:154064	6.095576403	7.591467819	-1.495891417	0.007315
peak_32960	chr16	47367764	47368477	140773	Intergenic	NM_200129	dcaf13	5.226402447	6.722434091	-1.496031644	0.004362
peak_23448	chr14	489279	490642	11683	intron (NM_212882, intron 12 of 12)	NM_001114567	zgc:172215	7.605129201	9.101260161	-1.49613096	0.000201
peak_36762	chr18	282807	283239	10828	Intergenic	NM_001080627_1	pde8a	3.960193277	5.456442776	-1.4962495	0.010046
peak_29832	chr17	50434769	50435163	74570	Intergenic	NM_001032728	cox7a2a	4.934498529	6.430786442	-1.496287913	0.001933
peak_30689	chr9	26821944	26822335	11524	intron (NM_001114551, intron 1 of 8)	NM_001114551	zeb2a	4.701125064	6.197490903	-1.496365839	0.002419
peak_38081	chr1	27952193	27952551	23611	intron (NM_203427, intron 1 of 10)	NM_203427	gpm6ba	4.006150351	5.502566646	-1.496416295	0.012959
peak_24879	chr19	49747103	49748085	-4717	intron (NM_001040330, intron 2 of 8)	NM_001001889	ctnnb2	6.179442693	7.67593633	-1.496493637	0.000371
peak_40605	chr4	59564481	59564810	34252	intron (NM_001199134, intron 6 of 29)	NM_001199134	ptprb	4.074449378	5.571132988	-1.496683609	0.019931
peak_34463	chr12	39577689	39578006	512803	Intergenic	NM_001110169	zgc:171957	3.83917979	5.335873238	-1.496693447	0.006139
peak_30212	chr21	5103521	5104093	-15487	Intergenic	NM_131441_1	notch1a	6.117610135	7.614421731	-1.496811596	0.002151
peak_42155	chr20	52386462	52386824	152291	Intergenic	NM_212701	hlx1	3.693448485	5.190335503	-1.496887018	0.025174
peak_26168	chr6	6443680	6444358	36191	intron (NM_001100951, intron 2 of 2)	NM_001100951	bcl11ab	7.136400936	8.63359113	-1.497190194	0.000584

peak_28798	chr1	2692468	2693043	-113316	Intergenic	NR_030009		6.005143752	7.502375321	-1.497231569	0.001418
peak_26642	chr5	43831585	43832414	-33212	Intergenic	NM_001126398	fam222ba	6.436125616	7.933361617	-1.497236001	0.000685
peak_36380	chr2	58008306	58008658	-57104	Intergenic	NM_001242942	pias4b	4.26992192	5.767198807	-1.497276887	0.009286
peak_36865	chr5	17787498	17787857	-64999	Intergenic	NM_131874	xbp1	4.170582953	5.668131732	-1.497548778	0.010283
peak_33244	chr2	45100296	45100650	-42517	Intergenic	NM_001254950	LOC100536659	4.417440195	5.914990707	-1.497550512	0.004645
peak_39147	chr9	35029807	35030324	-30395	Intergenic	NM_001007198	ccdc80	4.797747928	6.295309539	-1.497561611	0.015675
peak_29432	chr18	1309364	1310113	-111749	Intergenic	NM_198912	pepd	5.65418239	7.151762248	-1.497579859	0.001722
peak_37669	chr23	9805277	9805753	70074	intron (NM_001039171, intron 6 of 79)	NM_001039171	lama5	4.824466719	6.322053009	-1.497586289	0.011979
peak_35069	chr23	43946264	43946715	8025	intron (NM_001017554_3, intron 2 of 7)	NM_001017554_3	rnf150a	4.874878942	6.372598178	-1.497719237	0.006978
peak_38227	chr7	29402910	29403353	81432	Intergenic	NM_173219	lmo1	4.895794583	6.393618169	-1.497823586	0.01334
peak_37851	chr8	27468730	27469211	-6768	Intergenic	NM_001128346	si:ch211-106g4.2	4.624604822	6.122473579	-1.497868758	0.012413
peak_40463	chr14	30230877	30231234	-413976	Intergenic	NM_001045414	zgc:153146	4.733765494	6.231696821	-1.497931326	0.019461
peak_33523	chr13	50125112	50125387	-2084	Intergenic	NM_001142263	disc1	4.100390989	5.598411322	-1.498020333	0.004944
peak_36664	chr13	35043223	35043451	36119	intron (NM_001003562, intron 8 of 11)	NM_001003562	sptlc3	3.881650491	5.379755412	-1.498104921	0.009857
peak_29137	chr2	35645341	35645819	44147	intron (NM_173277, intron 1 of 27)	NM_173277	lamc1	6.27245066	7.77055835	-1.49810769	0.001579
peak_31106	chr9	16087098	16087517	-386436	Intergenic	NM_131520	fn1a	4.880158125	6.378340475	-1.49818235	0.002691
peak_34018	chr7	38766360	38767132	-2691	Intergenic	NM_001146014	sall1a	5.883535506	7.381880087	-1.498344581	0.005543
peak_37898	chr5	36168952	36169484	1903	intron (NM_198870, intron 2 of 5)	NM_198870	aif1l	3.681503107	5.180037018	-1.498533911	0.012517
peak_31681	chr23	27457348	27457706	-64024	Intergenic	NM_001214908	wu:fc13c02	4.315971024	5.814520269	-1.498549245	0.003153
peak_28964	chr12	31861169	31861535	73901	Intergenic	NM_001164028	tdrd1	4.572725943	6.071336546	-1.498610603	0.001495
peak_38729	chr17	2204866	2205486	107126	Intergenic	NM_001163923	ccbe1	5.704080267	7.202746826	-1.498666559	0.014537
peak_36156	chr23	11426982	11427521	-53145	Intergenic	NM_001163106	chl1a	5.229921789	6.728591423	-1.498669635	0.008853
peak_28883	chr2	10000086	10000665	-19097	Intergenic	NM_152977	dmbx1a	5.76734639	7.266070428	-1.498724038	0.001457
peak_31886	chr23	31403883	31404326	57823	Intergenic	NM_153665	tbx18	4.622769162	6.121493301	-1.498724139	0.003339
peak_38898	chr13	4726662	4727002	14298	intron (NM_001039639, intron 4 of 15)	NM_001039639	abcg2c	3.68663467	5.185401151	-1.498766481	0.014977
peak_38430	chr25	7259607	7260532	-367255	Intergenic	NM_001089334	hmg20a	5.261315727	6.760193575	-1.498877849	0.013845
peak_31202	chr12	23641807	23642291	27669	intron (NM_001114552, intron 1 of 3)	NM_001114552	wnt3	5.520377423	7.019398157	-1.499020733	0.002761
peak_33460	chr14	37355317	37355700	-91097	Intergenic	NM_130975	pitx2	3.84531137	5.34434187	-1.4990305	0.004881
peak_28360	chr6	5985928	5986496	179462	Intergenic	NM_001201446	rtn4a	5.416410954	6.915443565	-1.499032611	0.001232
peak_32315	chr7	77177259	77177907	-89384	Intergenic	NM_001004655	rs1b	5.672859448	7.171923083	-1.499063635	0.003703
peak_36357	chr9	58184595	58185020	-4829	Intergenic	NM_001003944	actr3	4.230507512	5.729601514	-1.499094002	0.00924
peak_32416	chr12	38984768	38985233	-147485	Intergenic	NM_001040355	pmp22b	4.553138161	6.052288721	-1.49915056	0.003803
peak_31185	chr25	29835057	29835620	-42016	Intergenic	NM_001161495	mettl20	4.895794583	6.395308906	-1.499514322	0.002744
peak_35055	chr7	1058961	1059252	12352	intron (NM_001077212, intron 4 of 25)	NM_001077212	dctn1a	3.837642815	5.337322268	-1.499679453	0.006948
peak_35727	chr6	1184179	1184660	22834	intron (NM_001110010_1, intron 3 of 17)	NM_001110010_1	plxna1b	4.311548883	5.811349733	-1.499800849	0.008082
peak_37730	chr18	27566811	27567049	46556	intron (NM_212663, intron 5 of 9)	NM_212663	cd82b	3.720483721	5.22035701	-1.499873289	0.012108
peak_27508	chr16	34873942	34875677	518	exon (NM_131160, exon 1 of 1)	NM_131160	pou3f2b	8.261741407	9.761643223	-1.499901816	0.000929
peak_28998	chr6	25356482	25356929	330881	Intergenic	NM_212689	lmo4b	4.36386504	5.86384887	-1.499983829	0.001509
peak_36198	chr18	2019620	2020010	154897	Intergenic	NM_207073	relt	5.137788458	6.637849339	-1.500060881	0.008918
peak_24003	chr18	23743450	23744031	-84675	Intergenic	NM_131183	nr2f2	6.767144554	8.267215668	-1.500071115	0.000256
peak_25647	chr7	68403306	68404180	64389	Intergenic	NM_001110471_1	parvab	6.223168825	7.723286067	-1.500117242	0.000487
peak_29172	chr2	9173	9865	-1818	Intergenic	NM_207075_1	zgc:77197	4.441983226	5.942151701	-1.500168475	0.001593
peak_25971	chr5	6472915	6473703	-10796	Intergenic	NM_001267589	tnks1bp1	6.637249547	8.137455671	-1.500206124	0.000544
peak_27392	chr8	53698830	53699623	-16308	Intergenic	NM_001039679	lgi3	5.795001776	7.29537787	-1.500376094	0.00089
peak_35190	chr18	43509118	43509410	-104982	Intergenic	NM_001004538	gyltl1b	4.002039684	5.502625075	-1.500585391	0.007174
peak_24687	chr13	29869504	29870230	-124694	Intergenic	NM_131184	pax2a	7.35271248	8.853333496	-1.500621016	0.000344
peak_28907	chr10	44619549	44619882	21712	intron (NM_200786, intron 3 of 7)	NM_200786	xrcc4	4.31265569	5.813334026	-1.500678336	0.001472
peak_29030	chr10	40181264	40182101	65741	intron (NM_001030224, intron 3 of 32)	NM_001030224	dscama	6.09008155	7.590782176	-1.500700626	0.001525
peak_27177	chr6	29490248	29490719	-14510	Intergenic	NM_194376	ptmaa	5.495710279	6.996570499	-1.50086022	0.000826
peak_22032	chr24	20413595	20414227	-146407	Intergenic	NM_199619	csrnp1b	7.808033224	9.309164533	-1.501131309	0.000111
peak_30205	chr13	17238671	17239108	274446	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	4.031994474	5.533237731	-1.501243257	0.002147
peak_36074	chr20	9136991	9137668	163709	Intergenic	NM_001164029	mysm1	4.920730635	6.422011782	-1.501281147	0.008672
peak_33190	chr19	10747580	10747988	70305	Intergenic	NM_001197060	dbpa	4.930857134	6.432170926	-1.501313792	0.004592
peak_25878	chr5	69694908	69698180	48703	Intergenic	NM_001013309	htatip	7.520877306	9.022230038	-1.501352732	0.000527
peak_33055	chr3	32431045	32431515	-4251	Intergenic	NM_001017668	zgc:112484	4.122091483	5.623610064	-1.501518581	0.004455
peak_29194	chr12	46676389	46676788	-55153	Intergenic	NM_212942	fbxl15	4.660741649	6.162264184	-1.501522534	0.001605
peak_30643	chr2	53080807	53081141	3343	intron (NM_130911, intron 1 of 6)	NM_130911	chico	4.105508899	5.607312587	-1.501803687	0.002393
peak_33557	chr17	42014256	42015383	-93077	Intergenic	NM_001098390	zgc:162576	5.675468026	7.177422786	-1.50195476	0.004973
peak_38470	chr11	1103363	1103674	-43825	intron (NM_212882_3, intron 5 of 8)	NM_001123238_1	atp2b2	3.76976623	5.271791758	-1.502025527	0.013928
peak_36830	chr12	42647933	42648313	-481620	Intergenic	NM_212880	zgc:76887	4.350994206	5.853039688	-1.502045481	0.010177
peak_31529	chr13	19594849	19595115	227390	Intergenic	NM_131280	emx2	4.342286181	5.844444888	-1.502158707	0.003024
peak_29146	chr10	10345722	10346167	-7382	Intergenic	NM_201128	sardh	5.81119202	7.313376482	-1.502184462	0.001583
peak_31921	chr19	33928640	33929085	-476	promoter-TSS (NM_181736)	NM_181736	heyl	4.530429481	6.032834252	-1.502404771	0.003364
peak_42781	chr22	38893336	38893704	501875	Intergenic	NM_001113587	hykk.2	3.897965428	5.400384482	-1.502419054	0.02763
peak_27352	chr9	16134196	16135025	-343826	Intergenic	NM_200144	upp2	6.499360188	8.0018482	-1.502488012	0.000878
peak_25153	chr7	10221407	10221902	114798	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	6.149641103	7.652265756	-1.502624653	0.00041
peak_29987	chr20	17792009	17793040	6503	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	7.790125449	9.293030279	-1.50290483	0.002019
peak_37358	chr20	8594787	8595169	2071	intron (NM_001040685, intron 1 of 25)	NM_001040685	dab1a	4.644080257	6.147032334	-1.502952077	0.011334
peak_22071	chr8	45878768	45879573	-19112	Intergenic	NM_183338	piwil1	7.947486978	9.450440299	-1.502953321	0.000112
peak_28050	chr11	1972875	1973310	-51346	Intergenic	NM_001285533	nr1d4b	5.399291221	6.902272523	-1.502981302	0.00112
peak_23273	chr23	6282802	6285008	155458	Intergenic	NM_200558	mybpha	9.428865435	10.93192661	-1.503061174	0.000188
peak_28521	chr10	30848169	30848672	-22904	Intergenic	NM_001040293	ntm	5.317658	6.820882317	-1.503224316	0.001298
peak_32890	chr10	29354131	29354560	163206	Intergenic	NM_131000	alcama	4.369194182	5.872427961	-1.503233778	0.004269
peak_30209	chr15	35584794	35585308	160217	Intergenic	NM_183070	sst1.1	5.624133123	7.127686678	-1.503553555	0.002149
peak_27009	chr3	28414923	28415455	-188375	Intergenic	NM_001005596	rbfox1	5.727969758	7.23158007	-1.503610311	0.00078
peak_34107	chr4	49691891	49692542	96757	Intergenic	NR_030521		3.542799588	5.046419899	-1.503620311	0.005655
peak_32721	chr21	22410256	22410587	175068	Intergenic	NM_199635	zbtb16a	4.449046535	5.952729337	-1.503682802	0.004111
peak_28606	chr16	47048365	47049094	-68359	Intergenic	NM_001039635	zfpm2a	6.367879271	7.871573971	-1.5036947	0.001335
peak_25527	chr7	27347415	27348079	41254	Intergenic	NM_200309	ap1s1	5.431802703	6.935701251	-1.503898548	0.000467
peak_40429	chr7	37607424	37607858	-187121	Intergenic	NM_200105	aktip	4.808863612	6.31285392	-1.503990308	0.019339
peak_29115	chr13	13349297	13349883	-89975	Intergenic	NM_198916	foxi2	6.150897355	7.654916244	-1.50401889	0.001564
peak_33026	chr11	474827	475271	-1978	Intergenic	NM_001083563	rab43	4.519926288	6.024077507	-1.504151219	0.004427
peak_34513	chr7	38211491	38211984	190816	Intergenic	NR_036681		4.042706443	5.546996209	-1.504289766	0.006206
peak_35443	chr2	59352428	59352941	106246	intron (NM_212882_1, intron 4 of 9)	NM_001002546	vapal	4.414350268	5.918668278	-1.50431801	0.007562
peak_27333	chr20	49103558	49104140	-1493	Intergenic	NM_001007782	nkx2.2b	5.843015081	7.347401689	-1.504386608	0.000871
peak_42942	chr16	54663156	54663493	-47852	Intergenic	NM_213187	dhdds	3.183950523	4.688601923	-1.5046514	0.028334
peak_36971	chr14	34257307	34257561	-4705	3' UTR (NM_213365, exon 8 of 8)	NM_200220	stard10	3.822091642	5.326798032	-1.504706389	0.010522
peak_32360	chr7	50478911	50479281	151608	Intergenic	NM_131433	igf2a	4.385125888	5.890069091	-1.504943202	0.003748
peak_41774	chr2	53032440	53032779	-18037	Intergenic	NM_001045238	zgc:136336	2.438945476	3.943897985	-1.504952509	0.023872
peak_41762	chr5	5954942	5955322	315835	Intergenic	NM_205570	zgc:73226	4.480032743	5.985079203	-1.505046461	0.023841
peak_34455	chr12	13804542	13805135	-419827	Intergenic	NM_131014	cmn	4.181599935	5.686902681	-1.505302747	0.00613
peak_28055	chr25	411313	411892	5637	intron (NM_183342, intron 1 of 7)	NM_183342	prickle1a	6.653116011	8.15851768	-1.505401669	0.001121
peak_42939	chr17	2909385	2909676	8571	intron (NM_001040251, intron 2 of 20)	NM_001040251	zgc:136872	3.798584256	5.304086124	-1.505501868	0.028321
peak_41175	chr6	58053182	58053601	1883	intron (NM_212908, intron 1 of 6)	NM_212908	tox2	4.348837859	5.854402061	-1.505564202	0.021915
peak_25559	chr19	45520041	45520580	4474	intron (NM_001195615, intron 3 of 9)	NM_001195615	nkd3	5.602523094	7.108292635	-1.505769541	0.000473
peak_40557	chr22	25085803	25086264	-91653	Intergenic	NM_001099256	si:dkey-121a9.3	4.065285294	5.571056852	-1.505771557	0.019822
peak_31611	chr16	57580970	57581558	38401	intron (NM_001128260, intron 6 of 9)	NM_001128260	zgc:172096	4.717979719	6.223929483	-1.505949765	0.003091
peak_36039	chr17	36509150	36509812	187053	Intergenic	NM_001007331	colec11	5.143397819	6.649459259	-1.50606144	0.00859
peak_33351	chr4	59377525	59377911	19505	Intergenic	NM_001076665_1	zgc:154045	4.597510523	6.103632018	-1.506121494	0.004766
peak_31679	chr3	33288079	33288393	-37552	Intergenic	NM_131399	rarab	3.881650491	5.387835043	-1.506184552	0.003152
peak_35574	chr15	27402410	27402618	31850	Intergenic	NM_001007424	dhrs13a.3	3.64320069	5.149406142	-1.506205451	0.007795
peak_37408	chr7	15654041	15654301	240695	Intergenic	NM_001002518	mrpl46	3.537128982	5.043365394	-1.506236412	0.01146
peak_24793	chr24	10268396	10268875	54397	Intergenic	NM_131412	myca	5.962663142	7.468918371	-1.50625523	0.000359
peak_38658	chr9	54942855	54943285	-159128	Intergenic	NM_001009888	sox21b	4.122091483	5.628364583	-1.5062731	0.014339
peak_26973	chr6	57657356	57658172	-52660	Intergenic	NM_001076592	zgc:153702	5.606138542	7.112499198	-1.506360656	0.00077

peak_38891	chr3	16812306	16812876	63349	intron (NM_194387, intron 2 of 21)	NM_194387	stat5.1	4.6900456	6.19644752	-1.50640192	0.014965
peak_43207	chr3	48687059	48687538	176584	Intergenic	NM_001079978	zgc:158309	3.903938371	5.410463262	-1.506524891	0.029556
peak_35504	chr5	16024444	16024911	69683	Intergenic	NM_001002154	ap3m2	4.573649529	6.080280092	-1.506630563	0.007673
peak_37657	chr6	29261456	29261904	136627	Intergenic	NM_001098386	usp13	5.035389627	6.542069553	-1.506679926	0.011956
peak_33487	chr16	31803798	31804275	-12056	Intergenic	NM_001256731	ensab	4.629054199	6.135893003	-1.506838804	0.004904
peak_29715	chr17	37381465	37381890	37	promoter-TSS (NM_001017849)	NM_001017849	kif3cb	4.820581735	6.327438185	-1.50685645	0.001866
peak_27855	chr18	31356831	31357255	-82897	Intergenic	NM_001007395_2	def8	4.444004846	5.950870975	-1.506866129	0.00105
peak_28679	chr15	14469692	14470743	-5694	Intergenic	NM_001105704	zgc:174895	7.132488909	8.639424068	-1.506935159	0.001361
peak_25116	chr7	53027057	53027653	67465	Intergenic	NM_001005589	rps4x	6.357144519	7.864084025	-1.506939506	0.000405
peak_24818	chr16	34691290	34691943	-73310	Intergenic	NM_001130601	mms22l	7.300680244	8.807622145	-1.506941901	0.000361
peak_26616	chr6	2150061	2150679	71311	intron (NM_001083853, intron 2 of 9)	NM_207083	med8	5.308778146	6.815723537	-1.506945391	0.00068
peak_30595	chr19	48460017	48461188	-39760	Intergenic	NM_001012369	ext1b	5.393518857	6.900614765	-1.507095908	0.002363
peak_41597	chr7	22274373	22274790	139680	Intergenic	NM_131806	efnb3b	2.650222256	4.15744856	-1.507226305	0.023307
peak_25556	chr12	29365066	29366099	258324	Intergenic	NM_131425	etv4	7.117162821	8.624567807	-1.507404987	0.000473
peak_36432	chr3	9661334	9661889	-153171	Intergenic	NM_001113625_1	trap1	4.722983386	6.230435035	-1.507451649	0.00941
peak_35615	chr2	32736840	32737451	-170358	Intergenic	NM_001076570	rnf220a	4.601191385	6.108667879	-1.507476494	0.00787
peak_25944	chr14	41645674	41646592	48501	intron (NM_001127519, intron 3 of 4)	NM_001127519	pcdh19	6.661406075	8.168989194	-1.507583119	0.00054
peak_25292	chr17	1285803	1286327	-44364	intron (NM_001002412, intron 1 of 1)	NM_001033741	srp14	5.588857244	7.09644338	-1.507586137	0.000431
peak_37526	chr24	25645074	25645398	4948	intron (NM_199791, intron 2 of 13)	NM_199791	mtmr6	4.564386956	6.072252683	-1.507865727	0.011726
peak_21682	chr9	55274114	55276838	-35828	Intergenic	NM_131555	dct	8.503863196	10.01173607	-1.507872875	9.32E-05
peak_35528	chr1	29491640	29492267	-47437	Intergenic	NM_001089374	LOC557028	4.328126339	5.836162466	-1.508036127	0.007724
peak_23213	chr3	53656059	53657044	18567	intron (NM_131447, intron 2 of 7)	NM_131447	pbx4	8.428661002	9.936790616	-1.508129614	0.000184
peak_30027	chr10	36408184	36408949	25390	intron (NM_001128760, intron 5 of 8)	NM_001128760	gabrr3a	5.788605718	7.297034092	-1.508428374	0.00204
peak_26387	chr19	43842606	43843371	-6215	Intergenic	NM_213277	anp32e	7.289745497	8.798176293	-1.508430797	0.00063
peak_33472	chr1	30673544	30674017	6294	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	5.660306983	7.168769501	-1.508462518	0.004889
peak_30605	chr1	38925649	38926054	-7107	Intergenic	NM_152965	glra3	4.071837003	5.580345612	-1.508508609	0.002368
peak_25335	chr14	8274181	8274577	-24525	Intergenic	NM_001145091	nrg2b	5.824466719	7.33302862	-1.5085619	0.000438
peak_32785	chr19	15593501	15593928	98448	Intergenic	NM_001201443	gmeb1	4.737891097	6.246533791	-1.508642694	0.00416
peak_35373	chr20	21434992	21435409	-28156	Intergenic	NM_131862	jag2b	4.200856343	5.709529282	-1.50867294	0.007452
peak_38907	chr11	29220726	29221280	126022	intron (NM_001033094_1, intron 3 of 4)	NM_001033094_1	ephb2b	5.017094822	6.525864281	-1.508769459	0.014991
peak_33044	chr12	42415022	42415646	-714409	Intergenic	NM_212880	zgc:76887	5.736266333	7.24511326	-1.508846928	0.00444
peak_27131	chr17	41625734	41626174	46296	Intergenic	NM_199658	insm1b	4.926525907	6.435599642	-1.509073735	0.000812
peak_27971	chr1	11587946	11588594	-3359	Intergenic	NM_200883	gne	6.289183341	7.798345907	-1.509162565	0.001094
peak_25052	chr2	7909526	7910158	13052	Intergenic	NM_001079995	chst2a	7.062482187	8.571672704	-1.509190517	0.000395
peak_32898	chr12	41493075	41493422	1141847	Intergenic	NM_001099246	abca5	4.164465597	5.674138781	-1.509673184	0.00428
peak_33968	chr18	45231856	45232327	-59782	Intergenic	NM_001282486	dner	4.548447992	6.058190508	-1.509742516	0.00549
peak_26480	chr23	10559901	10560756	57212	Intergenic	NM_001099237	eif4ba	6.131843708	7.641727748	-1.50988404	0.000647
peak_41867	chr4	30298791	30299178	352556	intron (NM_001114702, intron 6 of 9)	NM_001114702	zgc:174710	2.346615242	3.856534866	-1.509919624	0.024186
peak_40002	chr5	28991568	28991860	-57781	Intergenic	NM_194391	hdr	3.992402332	5.502402489	-1.510000157	0.018032
peak_34855	chr16	43773668	43773989	23325	Intergenic	NM_001202507	ptpn23a	3.982700169	5.49274477	-1.510044601	0.006642
peak_36042	chr8	74579	75535	-13042	Intergenic	NM_001089546_1	zgc:163014	4.724647426	6.234724764	-1.510077338	0.008593
peak_30963	chr13	53896865	53897245	3547	intron (NM_200631, intron 1 of 2)	NM_200631	srfb	3.965832482	5.475956487	-1.510124006	0.002597
peak_34197	chr2	58620406	58621073	35934	Intergenic	NM_201043	sf3a2	6.144988362	7.655356268	-1.510367906	0.005765
peak_33078	chr23	29935859	29936336	-25483	Intergenic	NM_001077784	clstn1	4.593873361	6.104334037	-1.510460675	0.004476
peak_21780	chr21	1501175	1503572	394671	Intergenic	NM_201138	txnl1	9.08708372	10.59763874	-1.510555018	9.79E-05
peak_23688	chr7	16727294	16727925	71567	intron (NM_001017638, intron 8 of 9)	NM_001017638	elp4	6.78624054	8.296838237	-1.510597697	0.000224
peak_30071	chr23	41468514	41468855	-299274	Intergenic	NM_001139458	si:dkey-194e6.1	4.468103815	5.97871916	-1.510615345	0.002062
peak_32131	chr18	8211358	8212337	-65356	Intergenic	NM_001002177	impdh1a	5.73706692	7.247826141	-1.510759221	0.003526
peak_21467	chr6	57880194	57882278	174038	intron (NM_212908, intron 2 of 6)	NM_212908	tox2	8.243525274	9.75449362	-1.510968346	8.40E-05
peak_26492	chr5	34196131	34196777	-73280	Intergenic	NM_212898	ntmt1	6.539494444	8.050584247	-1.511089803	0.000651
peak_30899	chr15	37514084	37514424	9336	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	4.617404898	6.128543437	-1.511138539	0.002553
peak_27731	chr3	57962644	57963397	-87547	Intergenic	NM_001123516	fscn2a	5.744925493	7.256078624	-1.511153131	0.001004
peak_29746	chr9	4937364	4938090	113420	Intergenic	NM_001113484	nr4a2a	6.312948392	7.824321929	-1.511373537	0.001887
peak_32191	chr11	46295261	46295944	4662	intron (NM_001077304, intron 3 of 11)	NM_001110486	zgc:158292	5.199096849	6.710475564	-1.511378715	0.003586
peak_28539	chr5	52255578	52256256	211917	Intergenic	NM_001135983	zgc:194908	5.230507512	6.741943787	-1.511436275	0.001305
peak_23022	chr2	55423777	55424962	-8802	Intergenic	NM_001083017_1	rnf126	6.782838569	8.294448748	-1.511610179	0.000171
peak_26468	chr13	52249056	52249891	-19862	intron (NM_001045030, intron 10 of 15)	NM_001113637	pygo1	8.122634567	9.63424706	-1.511612493	0.000644
peak_37236	chr1	52001724	52002032	13887	intron (NM_131897, intron 7 of 12)	NM_131897	meis4.1a	4.06133994	5.573107033	-1.511767093	0.011083
peak_25865	chr14	40989453	40989911	-462122	Intergenic	NM_131782	glra4a	5.827179997	7.33906256	-1.511882563	0.000524
peak_39613	chr17	11179345	11179816	13791	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	4.410159719	5.922079599	-1.51191988	0.016915
peak_23389	chr2	49543742	49545058	49775	Intergenic	NM_001002688	cdc34b	7.226989601	8.739004313	-1.512014712	0.000197
peak_39944	chr11	11143107	11143595	58278	Intergenic	NM_001007422	mvda	4.210389012	5.722453568	-1.512064556	0.017869
peak_34013	chr19	26281981	26282515	-23740	Intergenic	NM_212563	pard6gb	4.953071725	6.465245323	-1.512173599	0.005538
peak_29527	chr1	35470080	35470900	-27707	Intergenic	NM_001080012	hhip	5.787013877	7.299253014	-1.512239136	0.001771
peak_35784	chr2	59967555	59967825	-25030	intron (NM_212882_1, intron 8 of 9)	NR_030000		3.895012766	5.407274277	-1.512261511	0.008184
peak_28023	chr6	14411848	14412339	-209185	Intergenic	NM_001128547	inpp4ab	5.384042612	6.896690977	-1.512648365	0.001111
peak_28263	chr3	19408002	19408480	-14893	Intergenic	NM_001037561	zgc:123297	4.417440195	5.930121551	-1.512681356	0.001196
peak_28033	chr12	48850144	48850739	13605	Intergenic	NM_200963	fh	4.594783512	6.10755375	-1.512770238	0.001115
peak_31885	chr21	37002555	37003066	6163	intron (NM_001080003, intron 1 of 5)	NM_001080003	si:ch211-208m1..	5.134699206	6.647541476	-1.512842271	0.003339
peak_32321	chr20	44987807	44988274	284216	Intergenic	NM_001013534	zgc:103511	5.659002196	7.171915081	-1.512912884	0.003714
peak_29178	chr24	31617120	31617633	-61479	Intergenic	NM_001013562	ptbp2a	5.216349603	6.729337503	-1.5129879	0.001598
peak_33553	chr17	7947266	7947544	-105120	Intergenic	NM_001017841	slc18b1	4.158322191	5.671435445	-1.513113254	0.004973
peak_27373	chr23	7449995	7450424	-3156	Intergenic	NM_131235	gata5	5.130275221	6.643406015	-1.513130794	0.000884
peak_26563	chr9	56270723	56271457	-3786	Intergenic	NM_001002457	egfl6	5.858656139	7.37186458	-1.513208441	0.000666
peak_30083	chr23	38503784	38504239	251071	Intergenic	NM_001020707	zgc:112994	5.624133123	7.137353398	-1.513220275	0.002069
peak_30903	chr7	70310904	70311346	25872	intron (NM_200529, intron 3 of 4)	NM_200529	marveld3	4.924355407	6.43766045	-1.513305043	0.002555
peak_27607	chr23	21183468	21183942	31728	intron (NM_001146149, intron 5 of 8)	NM_001146149	pax7b	4.752693915	6.266062325	-1.51336841	0.00096
peak_37847	chr9	22537571	22538029	-15479	Intergenic	NM_001126433	mphosph8	4.360658081	5.874205094	-1.513547013	0.012399
peak_35848	chr1	5851543	5851893	156765	Intergenic	NM_001143751	erbb4a	3.991020297	5.50459432	-1.513574023	0.008296
peak_30627	chr11	1261572	1261942	-5706	intron (NM_212882_3, intron 4 of 8)	NM_001123238	atp2b2	4.339030839	5.852680077	-1.513649238	0.002384
peak_29603	chr17	14024418	14024844	301976	Intergenic	NM_200482	jkamp	4.317074445	5.830745183	-1.513670738	0.001805
peak_34516	chr1	42897405	42897765	235349	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	4.28916694	5.802859039	-1.513692099	0.006211
peak_28767	chr23	9843894	9844410	31437	intron (NM_001039171, intron 2 of 79)	NM_001039171	lama5	5.82019266	7.333968043	-1.513775383	0.001403
peak_38135	chr18	11180933	11181585	319225	Intergenic	NM_001013335	zgc:110789	4.993052579	6.506940605	-1.513888026	0.013084
peak_23155	chr19	510759	512104	-69475	Intergenic	NM_200674	dus3l	7.648160475	9.162174836	-1.514014361	0.000181
peak_41394	chr22	34723568	34723940	-310853	Intergenic	NM_001076629	manf	2.438945476	3.953074502	-1.514129027	0.022609
peak_28704	chr14	7085489	7085792	70342	Intergenic	NM_001111226	hbegfa	4.423600265	5.937734425	-1.514134161	0.001369
peak_23725	chr23	27378514	27379731	14381	intron (NM_001214908, intron 2 of 2)	NM_001214908	wu:fc13c02	7.817145333	9.331697802	-1.514552469	0.000228
peak_30696	chr9	54355172	54355530	-140357	Intergenic	NM_001017360	xrcc5	4.768153455	6.282706338	-1.514552883	0.002426
peak_43934	chr6	226967	227291	9556	Intergenic	NM_213233	atf4b1	3.630830115	5.145623657	-1.514793542	0.032687
peak_26341	chr2	46616067	46616886	-173737	Intergenic	NM_201020_1	gpc1b	7.347846202	8.862768255	-1.514922053	0.000619
peak_28757	chr24	1510292	1510773	51340	Intergenic	NM_001113644_4	zgc:172101	4.883886149	6.398812453	-1.514926304	0.001399
peak_31114	chr24	26230213	26230681	14018	intron (NM_001089349, intron 1 of 21)	NM_001089349	phex	5.234050946	6.749110809	-1.515059863	0.002695
peak_26455	chr15	2232629	2233463	51840	intron (NM_212947, intron 3 of 10)	NM_212947	rsrc1	5.766538874	7.281870774	-1.515331899	0.000641
peak_36982	chr18	13965223	13965772	-41966	Intergenic	NM_200754	hsbp1b	5.150879304	6.666245031	-1.515365727	0.010544
peak_42824	chr15	38020602	38021010	192847	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	4.168139123	5.683616957	-1.515477835	0.027795
peak_23689	chr13	46727779	46728475	-16987	Intergenic	NM_213133	marcksl1a	6.751277936	8.266780687	-1.515502751	0.000224
peak_25398	chr6	39308971	39309981	18153	Intergenic	NM_200568	zgc:77517	6.746154871	8.261722024	-1.515567154	0.000449
peak_30045	chr3	11904658	11905109	-28652	intron (NM_001042778, intron 10 of 11)	NM_001077334	hlfa	4.571801766	6.087444162	-1.515642396	0.00205
peak_35453	chr8	49083256	49083676	-1068	Intergenic	NM_001123245	LOC559147	4.939480774	6.455231454	-1.51575068	0.007571
peak_26335	chr23	2163757	2164683	-105098	Intergenic	NM_001002301	prdm5	6.384057969	7.900034251	-1.515976282	0.000618
peak_35491	chr20	3248	3601	34198	Intergenic	NM_001114452	zgc:174972	3.818979367	5.335004527	-1.51602516	0.007645
peak_23096	chr8	5120959	5121541	67196	Intergenic	NM_001102640	tmem230b	6.435871685	7.952257804	-1.516386119	0.000176
peak_42528	chr18	38600107	38600400	-51836	Intergenic	NM_001017682	sema6dl	3.594783512	5.11125888	-1.516475368	0.026568
peak_30072	chr23	2418501	2419005	-16577	Intergenic	NM_131230	tcp1	5.048071517	6.56456168	-1.516490162	0.002062

peak_25650	chr6	57338346	57339225	87754	Intergenic	NM_001002869	ddx27	5.667271222	7.183777425	-1.516506203	0.000487
peak_33775	chr16	31374357	31374793	237	5' UTR (NM_131317, exon 1 of 10)	NM_131317	mef2d	5.816296133	7.332930659	-1.516634526	0.00523
peak_26984	chr2	105511	106977	6273	Intergenic	NM_001199970	angptl1b	5.63923599	7.155895927	-1.516659936	0.000775
peak_41928	chr2	59057305	59057647	-3330	Intergenic	NM_214812	epb41l3b	3.37244417	4.889184015	-1.516739846	0.024432
peak_30231	chr7	75992152	75993396	270138	Intergenic	NM_001077468	mrpl21	6.514886315	8.031637868	-1.516751553	0.002161
peak_23624	chr1	22612632	22613739	-27787	intron (NM_131735, intron 4 of 35)	NR_030122		6.106485105	7.623329874	-1.51684477	0.000217
peak_34872	chr9	14129447	14129881	119840	Intergenic	NM_001076586	abi2a	5.608817912	7.125735231	-1.516917319	0.006673
peak_36133	chr2	56214548	56214987	-10390	Intergenic	NM_001102574	loxl5b	4.369194182	5.886116604	-1.516922422	0.008796
peak_23574	chr23	46305218	46306072	61306	Intergenic	NM_001030096	tgm1l4	6.817627003	8.334628774	-1.517001771	0.000213
peak_34714	chr12	8131064	8131453	15024	intron (NM_001005602, intron 2 of 5)	NM_001005602	phyhiplb	4.002039684	5.519054216	-1.517014532	0.006449
peak_43190	chr18	38527091	38527451	-124818	Intergenic	NM_001017682	sema6dl	4.468045862	5.985123519	-1.517077656	0.029473
peak_33209	chr2	44945081	44945477	62318	Intergenic	NM_001145089	camk2n1a	4.700279607	6.217378567	-1.51709896	0.004608
peak_35726	chr24	32514336	32514815	-348	promoter-TSS (NR_045229_1)	NR_045229_1		3.091390725	4.608574065	-1.51718334	0.008079
peak_25079	chr6	37075271	37075736	-174186	intron (NM_001003851, intron 6 of 6)	NM_213407	zranb2	5.523754484	7.04105868	-1.517304196	0.000399
peak_23511	chr20	51928398	51929214	-31947	Intergenic	NM_212800	disp1	6.290307433	7.80769183	-1.517384397	0.000208
peak_24637	chr7	66401141	66401983	71023	Intergenic	NM_001077722	tpcn2	7.093485082	8.610948408	-1.517463326	0.000335
peak_23815	chr17	20895847	20896477	64	promoter-TSS (NM_131333)	NM_131333	vsx1	6.065285294	7.582754858	-1.517469563	0.000239
peak_37133	chr2	45456038	45456590	109670	Intergenic	NM_200438	gpsm2	4.5783123	6.095853413	-1.517541113	0.010836
peak_30093	chr15	31248264	31248672	90113	Intergenic	NM_001110394	brca2	4.596602092	6.114148363	-1.51754627	0.002075
peak_40113	chr3	62688686	62688990	60166	Intergenic	NM_001105129	srebf1	3.539021661	5.056641224	-1.517619563	0.018354
peak_40072	chr20	40626395	40626904	-107710	Intergenic	NM_131867	hsf2	5.017134431	6.534810288	-1.517675857	0.018224
peak_34105	chr12	45174774	45175249	-368213	Intergenic	NM_001110011	dock1	5.171228861	6.68897262	-1.517743758	0.005651
peak_27859	chr20	34267673	34268112	49323	intron (NM_001190304, intron 11 of 106)	NM_001190304	hmcn1	4.902426009	6.420220438	-1.51779443	0.00105
peak_29860	chr11	32168907	32169226	-36504	Intergenic	NM_001201559	im:7137555	4.567171977	6.085043747	-1.517871769	0.001943
peak_30119	chr21	22282973	22284001	-121943	Intergenic	NM_200141	zw10	5.862839956	7.380922289	-1.518082333	0.002093
peak_24018	chr1	39919584	39921101	13606	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	7.539369368	9.05756464	-1.518195272	0.000258
peak_30082	chr9	51242306	51243066	-77194	Intergenic	NM_001017644	slc38a11	4.977085916	6.495303022	-1.518217106	0.002068
peak_33358	chr23	3765169	3767372	6347	3' UTR (NM_213168, exon 5 of 5)	NM_001289907	hmga1a	7.06627952	8.584515682	-1.518236162	0.004772
peak_27452	chr16	35670181	35670722	192932	Intergenic	NM_001020635	rragca	5.604331951	7.122568502	-1.518236551	0.00091
peak_31181	chr10	40610414	40610875	-6076	exon (NM_001017898, exon 9 of 9)	NM_201458	itm1	5.150879304	6.669124099	-1.518244795	0.002741
peak_32934	chr7	16075446	16075777	-6755	Intergenic	NM_131552	mespba	4.185230144	5.70365427	-1.518424126	0.004328
peak_36435	chr22	11004642	11005063	112745	Intergenic	NM_001001402	enc1	4.243401343	5.761896184	-1.518494841	0.009416
peak_30611	chr8	485650	486574	10821	intron (NM_213528, intron 7 of 12)	NM_213528	trim36	5.952048106	7.470648334	-1.518600227	0.002375
peak_25725	chr20	4196209	4196717	17790	intron (NM_001113647, intron 1 of 12)	NM_001113647	zgc:172112	6.521616334	8.0402286	-1.518612266	0.0005
peak_39463	chr21	29027085	29027467	1189	intron (NM_001111239, intron 1 of 4)	NM_001111239	LOC100002393	4.629942431	6.148608621	-1.51866619	0.016472
peak_29986	chr19	34766502	34766982	-31797	Intergenic	NM_001083083	nkd3l	5.139697052	6.658488802	-1.518791749	0.002019
peak_34054	chr1	25920205	25920641	-158121	Intergenic	NM_001122755	bnc2	4.297017342	5.815988346	-1.518971003	0.005592
peak_23401	chr8	1601739	1603196	142650	Intergenic	NM_131026_1	efna5b	6.451324217	7.970307978	-1.518983761	0.000198
peak_29882	chr15	13722588	13723092	77273	intron (NM_001012375, intron 1 of 8)	NM_001012375	numbl	4.691748046	6.210808348	-1.519060302	0.001958
peak_29152	chr16	35705717	35706094	-200872	Intergenic	NM_131161	pou3f1	4.611121277	6.130411215	-1.519289939	0.001586
peak_29460	chr17	34364161	34364866	10751	intron (NM_194363, intron 1 of 14)	NM_194363	mpp5a	5.620089523	7.139399785	-1.519310262	0.001736
peak_29508	chr13	687197	687845	8724	exon (NM_001040247, exon 9 of 11)	NM_001040247	polh	5.609320918	7.128685965	-1.519365047	0.001763
peak_28699	chr18	45593157	45593553	-154730	Intergenic	NM_199925	zgc:77304	4.451058288	5.970438999	-1.519380711	0.001368
peak_33848	chr22	12549061	12549596	-11649	Intergenic	NM_199522	rnd3a	4.533280767	6.052711947	-1.51943118	0.005318
peak_34601	chr19	21442297	21442759	158723	Intergenic	NM_214704	cndp2	4.027956891	5.547477355	-1.519520464	0.00632
peak_24085	chr12	32625107	32625730	-92262	Intergenic	NM_001024427	crygmxl2	7.489721694	9.009311186	-1.519589492	0.000266
peak_26196	chr16	34627067	34628348	-9401	Intergenic	NM_001130601	mms22l	7.186287236	8.706120359	-1.519833123	0.000589
peak_34826	chr15	15011329	15011732	20448	Intergenic	NM_131880	hnf1ba	4.460076621	5.979951986	-1.519875366	0.006593
peak_27516	chr7	4308839	4309701	-12689	Intergenic	NM_200993	zgc:55733	6.276176387	7.796131979	-1.519955592	0.00093
peak_35960	chr9	17103502	17103884	213423	Intergenic	NM_001005773	fbxl3a	4.090100377	5.610079498	-1.51997912	0.008459
peak_36649	chr4	23931179	23931435	220336	Intergenic	NM_131211	gata3	3.64320069	5.163304642	-1.520103951	0.009829
peak_36505	chr13	45619818	45620093	21932	Intergenic	NM_130925	khdrbs1a	3.149677235	4.669783604	-1.520106368	0.009559
peak_31146	chr8	16061800	16062235	-239538	Intergenic	NM_001017814	spata6	5.006834325	6.526990266	-1.520155941	0.00272
peak_35006	chr1	35424705	35425173	-63106	Intergenic	NM_001137659	frem3	4.873379551	6.393540033	-1.520160482	0.006873
peak_30047	chr19	39323100	39323392	-83591	intron (NM_001122760, intron 8 of 26)	NM_001002733	nxph1	4.19726529	5.717442298	-1.520177008	0.00205
peak_26733	chr10	3911588	3912153	-142208	Intergenic	NM_200920	pitpnb	5.446527893	6.966708289	-1.520180397	0.00071
peak_33379	chr22	3506256	3506825	-178522	Intergenic	NM_001285535	tbxa2r	4.898008447	6.418376138	-1.520367691	0.004798
peak_30883	chr2	56980447	56981753	30182	Intergenic	NM_200458	eef2b	6.218730405	7.739253067	-1.520522661	0.002545
peak_37628	chr17	42932797	42933195	3341	intron (NM_131422, intron 1 of 2)	NM_131422	nkx2.2a	4.114421786	5.634959792	-1.520538006	0.011896
peak_31858	chr22	36123482	36123842	108318	Intergenic	NM_173274	dag1	4.700279607	6.220875178	-1.520595571	0.003323
peak_26016	chr7	10179750	10180227	73132	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	5.17610196	6.696835218	-1.520733258	0.000552
peak_32651	chr20	4396414	4396768	139597	Intergenic	NM_001076758	zgc:154018	3.855979326	5.376828118	-1.520848792	0.004029
peak_29167	chr1	39831213	39831818	-75221	intron (NM_001076657, intron 1 of 2)	NM_130968	tenm3	6.117945204	7.638883652	-1.520938448	0.001593
peak_27360	chr5	75342897	75343533	34373	Intergenic	NM_173268	ddx54	5.84531137	7.366282628	-1.520971258	0.00088
peak_24379	chr17	31022740	31023333	12045	intron (NM_199519, intron 1 of 12)	NM_199519	evla	6.3300087	7.851075916	-1.521067216	0.000303
peak_34075	chr19	19177169	19177493	9158	Intergenic	NM_131249	evx1	3.761684263	5.28285511	-1.521170847	0.005613
peak_21836	chr2	27647424	27649228	9055	intron (NM_001144819, intron 1 of 13)	NM_001144819	zswim5	9.1423795	10.66364296	-1.521263456	0.000101
peak_39117	chr13	47327789	47328272	-72060	Intergenic	NM_001003869	fbxo5	4.115764558	5.63749638	-1.521731823	0.015597
peak_36086	chr1	3991416	3991709	-181687	Intergenic	NM_001003842	spry2	4.042706443	5.564443726	-1.521737283	0.008702
peak_25301	chr5	74197299	74197813	256717	Intergenic	NM_001017876_1	fsip1	5.496684491	7.018803645	-1.522119154	0.000433
peak_23409	chr7	33091991	33092963	36861	Intergenic	NM_001007453	nap1l4b	7.323564075	8.845706379	-1.522142304	0.000199
peak_29891	chr3	33350451	33350847	-86883	Intergenic	NM_001114705	hspb9	4.789821631	6.312042832	-1.522221201	0.001965
peak_23671	chr2	17630003	17630903	-30672	Intergenic	NM_001083576	ptprfb	7.967512635	9.489746302	-1.522233668	0.000222
peak_40614	chr3	48879771	48880208	369275	Intergenic	NM_001079978	zgc:158309	3.92580277	5.448122744	-1.522319975	0.019971
peak_34185	chr9	43884097	43884408	-80594	Intergenic	NM_001004506	fkbp7	4.044039864	5.566390822	-1.522350959	0.005747
peak_22726	chr16	57314589	57315834	13178	exon (NM_213005, exon 2 of 5)	NM_213005	ggctb	7.86225662	9.384711076	-1.522454457	0.00015
peak_32821	chr3	54016349	54017069	61647	Intergenic	NM_001044783	xab2	6.071837003	7.594296278	-1.522459275	0.004191
peak_31302	chr14	7073918	7074188	58755	Intergenic	NM_001111226	hbegfa	3.776199364	5.298764662	-1.522565299	0.00285
peak_23139	chr10	1391067	1392297	-29870	Intergenic	NM_001256077	opn4xa	6.966380542	8.488979999	-1.522599456	0.00018
peak_31029	chr1	34051313	34051625	31834	exon (NM_001045444, exon 10 of 30)	NM_001045444	lmo7b	4.652033337	6.174663791	-1.522640455	0.002638
peak_33470	chr6	9888856	9889241	7589	intron (NM_001045297, intron 1 of 8)	NM_001045297	abi2b	4.603906322	6.126583623	-1.522677301	0.004888
peak_39649	chr25	34886457	34886778	-9788	Intergenic	NM_001110167	roraa	3.482985287	5.005728512	-1.522743225	0.016996
peak_23765	chr20	30791391	30792074	63256	Intergenic	NM_212997	acbd3	7.771081156	9.293867588	-1.522786432	0.000232
peak_40558	chr9	45105138	45105475	234113	Intergenic	NM_200921	ube2e3	3.920004586	5.442876768	-1.522872181	0.019822
peak_26760	chr9	50520961	50522531	-380870	Intergenic	NM_200132	scn1a	6.226696054	7.74957064	-1.522874587	0.000718
peak_35201	chr8	17995693	17995963	40018	intron (NM_130935, intron 1 of 6)	NM_130935	skia	4.029304008	5.552329731	-1.523025724	0.007187
peak_38144	chr1	59175186	59175646	5936	intron (NM_001122845, intron 4 of 5)	NM_001122845	zgc:174890	3.019847667	4.542901106	-1.523053439	0.013117
peak_36508	chr6	19958024	19958678	7000	Intergenic	NM_182866	glulb	4.594783512	6.117852813	-1.523069301	0.009565
peak_25532	chr10	43648341	43649082	14303	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	7.521588413	9.044704477	-1.523116064	0.000468
peak_28152	chr4	60340844	60341212	9151	exon (NM_001004537, exon 2 of 14)	NM_001004537	large	4.594783512	6.117971616	-1.523188104	0.00116
peak_30594	chr1	50327817	50328339	6444	intron (NM_131426, intron 3 of 10)	NM_131426	lef1	5.121423191	6.644649161	-1.52322597	0.002361
peak_25735	chr17	6990229	6990950	118990	Intergenic	NM_001023572	zbtb24	5.727969758	7.25122149	-1.523251731	0.000502
peak_33374	chr8	55454048	55454342	-2457	Intergenic	NR_039336		3.589313976	5.112582974	-1.523268998	0.00479
peak_35584	chr11	45069951	45070402	-16736	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	4.196066283	5.719426926	-1.523360643	0.007816
peak_33356	chr6	44312698	44313115	20376	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	3.957365387	5.480855692	-1.523490305	0.004772
peak_24359	chr13	16306660	16307591	-306	promoter-TSS (NM_001039984)	NM_001039984	zgc:110045	6.466349866	7.989974397	-1.523624531	0.0003
peak_32296	chr23	23337608	23338069	135721	Intergenic	NM_001003830	noc2l	5.116995205	6.640700772	-1.523705567	0.003688
peak_36697	chr12	50370193	50370483	-26980	intron (NM_200591, intron 5 of 7)	NM_001114902	zgc:175139	3.548447992	5.072153807	-1.523705815	0.009903
peak_34648	chr9	51368082	51368698	-202898	Intergenic	NM_001017644	slc38a11	5.359051924	6.882837339	-1.523785415	0.006377
peak_34330	chr18	8511339	8511936	-30873	Intergenic	NM_001128343	grm3	4.798538168	6.322516028	-1.52397786	0.005959
peak_35220	chr4	61357832	61358776	16250	Intergenic	NM_001044876	LOC558818	2.967238845	4.491364577	-1.524125732	0.007209
peak_22106	chr7	15258364	15259252	-1808	Intergenic	NR_045222		7.680860376	9.20505384	-1.524193464	0.000114
peak_23822	chr6	51321684	51322498	202703	Intergenic	NM_001130610	rbl1	6.517994378	8.042205164	-1.524210786	0.000239
peak_31729	chr5	57638802	57639166	-39044	Intergenic	NM_131207	lhx1b	4.532330964	6.056586594	-1.52425563	0.003199
peak_31351	chr15	29264992	29265438	115153	Intergenic	NR_030070		4.44299439	5.967310053	-1.524315663	0.002885

peak_32582	chr16	57482348	57483440	-40162	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	5.401373514	6.925697653	-1.524324139	0.003959
peak_24532	chr16	40629129	40629651	-174049	Intergenic	NM_200570	selenbp1	5.924717384	7.449049653	-1.524332269	0.000321
peak_33357	chr2	44880997	44881376	-42112	Intergenic	NM_001162502	ncapd2	4.343369665	5.867828658	-1.524458994	0.004772
peak_30487	chr15	15453273	15453693	47334	Intergenic	NM_200639	flot2b	4.186438186	5.710913727	-1.524475541	0.002304
peak_36360	chr5	19751637	19751947	50608	intron (NM_178304, intron 1 of 10)	NM_178304	zdhhc8b	4.322578924	5.847115363	-1.524536439	0.009247
peak_27884	chr19	25144463	25144866	62675	intron (NM_001045221, intron 21 of 21)	NM_001045220	si:dkeyp-92c9.2	5.596147662	7.120741323	-1.524593661	0.00106
peak_38217	chr18	5068324	5069156	17700	Intergenic	NM_001171590	cplx3b	4.861327994	6.385978755	-1.524650761	0.013318
peak_30494	chr20	18823423	18823866	10395	intron (NM_001025550, intron 2 of 2)	NM_001025550	fam167ab	4.848367416	6.373029695	-1.524662279	0.002309
peak_37690	chr23	24767521	24767903	8337	Intergenic	NM_001199740	LOC568809	4.356371015	5.881269336	-1.524898321	0.012022
peak_35216	chr7	26451024	26451518	-40114	intron (NM_001076730, intron 20 of 21)	NM_212666	cyp26b1	5.357980158	6.882976003	-1.524995845	0.007204
peak_42182	chr4	46321966	46322305	-95939	Intergenic	NM_001128355	LOC794656	2.219927938	3.744974447	-1.525046509	0.025272
peak_32294	chr3	22476090	22476597	-9841	Intergenic	NM_001045065	scn4ab	4.648470066	6.173550803	-1.525080738	0.003686
peak_30617	chr4	17028948	17029312	115471	intron (NM_001100017, intron 17 of 25)	NM_131608	apaf1	4.058703696	5.583797566	-1.525093869	0.002377
peak_31760	chr7	73372013	73372636	482249	Intergenic	NM_001020693_1	gba3	5.825995179	7.351183183	-1.525188004	0.003237
peak_29217	chr9	14942477	14942937	-161641	Intergenic	NM_212966	nrp2b	5.524232295	7.049477931	-1.525245636	0.001616
peak_38075	chr10	15617303	15617680	-14165	intron (NM_001193543, intron 20 of 23)	NM_200949	zfand5b	4.208011743	5.733277192	-1.525265449	0.012938
peak_34349	chr17	19952059	19952561	21759	exon (NM_001037573, exon 21 of 21)	NM_001037573	actn2	5.042745355	6.568157981	-1.525412626	0.005983
peak_30990	chr5	51548477	51549328	21329	Intergenic	NM_131180	nr2f1a	5.289199742	6.814694542	-1.525494799	0.002612
peak_26015	chr15	31542174	31542760	47011	Intergenic	NM_001005935	arfip2a	5.625469814	7.151131613	-1.525661798	0.000552
peak_35890	chr2	20318407	20318793	77034	Intergenic	NM_001172653	agla	3.222285668	4.748311585	-1.526025916	0.008345
peak_27685	chr24	36442130	36442540	-236086	Intergenic	NM_001030067	pcmtd1	4.467110104	5.993150672	-1.526040568	0.000985
peak_33079	chr17	3923969	3924555	-66986	intron (NM_001020655, intron 9 of 9)	NM_001083542	hao1	4.883886149	6.409935937	-1.526049788	0.004476
peak_30916	chr17	7034951	7035809	163781	Intergenic	NM_001023572	zbtb24	5.871127539	7.397182232	-1.526054693	0.002563
peak_34700	chr1	47719431	47719785	43972	Intergenic	NM_001003579	morc3b	3.722150645	5.248269963	-1.526119318	0.006433
peak_32928	chr10	25250299	25250513	-53261	Intergenic	NM_001017829	timm10b	3.401863281	4.928017699	-1.526154418	0.004321
peak_25758	chr18	21943560	21944208	53702	Intergenic	NM_001080629	zgc:158868	5.725894197	7.252169612	-1.526275415	0.000506
peak_26045	chr25	4378914	4379674	-67739	Intergenic	NM_131786	cry3	6.161993461	7.688408773	-1.526415313	0.000558
peak_33549	chr8	51679011	51679384	13657	intron (NM_001030242, intron 2 of 7)	NM_001030242	sypb	4.459135677	5.985582787	-1.52644711	0.00497
peak_28464	chr6	4970180	4970774	538277	Intergenic	NM_201285	pou4f1	4.828341271	6.35483495	-1.526493679	0.001274
peak_34473	chr1	35915488	35916162	12981	Intergenic	NM_001002077	lsm6	4.993052579	6.519673498	-1.52662092	0.006153
peak_25749	chr19	21509440	21509994	225912	Intergenic	NM_214704	cndp2	6.586800158	8.11343501	-1.526634852	0.000505
peak_35980	chr10	32429479	32429818	23548	intron (NM_131482, intron 2 of 26)	NM_131482	robo3	4.153388562	5.68007846	-1.526689898	0.008498
peak_30702	chr11	41095165	41095614	-309613	Intergenic	NM_001002073	vamp3	4.445014594	5.971795496	-1.526780902	0.00243
peak_42534	chr25	12307305	12307575	231408	intron (NM_001256664, intron 11 of 16)	NM_001256664	ntrk3a	3.217566349	4.744348444	-1.526782096	0.026599
peak_33298	chr2	25487132	25487522	-39300	Intergenic	NM_001159832	fndc3ba	4.814298329	6.341150055	-1.526851727	0.0047
peak_42208	chr11	31777259	31777581	157572	Intergenic	NM_200716	zgc:73111	3.684926177	5.211890776	-1.526964599	0.025356
peak_31764	chr11	18997461	18997785	-20002	Intergenic	NM_001079955	dido1	3.688341143	5.215356854	-1.52701571	0.00324
peak_23184	chr23	36308567	36309389	48572	Intergenic	NM_001080184	cbx5	7.266322803	8.793407289	-1.527084485	0.000182
peak_33141	chr17	27747328	27748041	167952	Intergenic	NM_131224	qkia	3.602044119	5.129180429	-1.52713631	0.004546
peak_26713	chr2	20359699	20360141	76445	Intergenic	NM_001025177	dusp12	4.975689123	6.50297128	-1.527282157	0.000703
peak_27612	chr3	53790381	53790928	36460	intron (NM_001111281, intron 2 of 19)	NM_001111281	brd4	4.70702943	6.234356303	-1.527326872	0.000963
peak_23398	chr1	52526568	52527486	96324	Intergenic	NM_001003739	rad23aa	6.586558066	8.114138751	-1.527580685	0.000198
peak_38789	chr20	48231533	48232071	152655	Intergenic	NM_001024665	tfap2b	4.360658081	5.888313502	-1.527655421	0.014727
peak_23067	chr23	44480803	44481700	4785	intron (NM_131417, intron 1 of 16)	NM_131417	ephb4b	8.007638296	9.535362465	-1.527724169	0.000174
peak_25610	chr14	171612	172910	3225	Intergenic	NM_131273	msxe	6.77982878	8.307669324	-1.527840544	0.000483
peak_37049	chr12	26924606	26924869	-17101	Intergenic	NM_207055	zfp36l2	4.179103907	5.70723679	-1.528132882	0.010661
peak_32263	chr3	55455287	55455720	3335	exon (NM_131189, exon 4 of 36)	NM_131189	dnmt1	4.063971374	5.592208103	-1.528236728	0.003656
peak_34918	chr19	6745927	6746228	-39999	Intergenic	NM_001044921	gsk3aa	4.194866279	5.723132205	-1.528265926	0.006753
peak_35221	chr5	30267135	30267507	49872	intron (NM_130907, intron 1 of 22)	NM_130907	tnc	4.22346309	5.751808139	-1.528345049	0.00721
peak_40662	chr8	24184783	24185130	-24251	Intergenic	NM_001020476	dnmt3b	3.988252249	5.516722449	-1.528470199	0.020114
peak_32840	chr5	58750651	58751042	-11673	Intergenic	NM_199934	atp6v1g1	4.582853012	6.111399908	-1.528546897	0.004215
peak_34721	chr17	34243590	34243930	38372	intron (NM_001177444, intron 1 of 14)	NM_001177444	gphna	4.36172786	5.890369608	-1.528641748	0.006454
peak_23599	chr18	1798706	1799685	-101498	Intergenic	NM_001030257	rab27a	6.992046872	8.520742021	-1.528695149	0.000215
peak_38663	chr5	30250116	30250544	-58518	intron (NM_130907, intron 1 of 22)	NM_001089574	zgc:162952	4.181599935	5.710371136	-1.528771202	0.014346
peak_39994	chr3	44467157	44467541	-175622	Intergenic	NM_001002533_1	rab11fip4a	4.048032748	5.577020731	-1.528987983	0.018016
peak_28557	chr6	31640279	31640748	76857	Intergenic	NM_201025	pgm1	5.14156679	6.670669475	-1.529102685	0.001314
peak_29065	chr23	15207628	15208046	-60034	Intergenic	NM_001004114	phf20b	4.543742525	6.072912987	-1.529170462	0.001542
peak_33069	chr12	44199036	44199609	83316	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	5.833340186	7.362736938	-1.529396752	0.004471
peak_29626	chr11	8025935	8026383	246092	Intergenic	NM_001080595	ttll7	4.723815645	6.253256113	-1.529440467	0.001817
peak_32895	chr9	2308054	2308533	-20696	Intergenic	NM_201176	atp5g3a	4.608419895	6.137874455	-1.52945456	0.004278
peak_29052	chr18	45123627	45124100	-30375	intron (NM_001282486, intron 9 of 13)	NM_001013504	pid1	4.28916694	5.818830642	-1.529663702	0.001535
peak_36887	chr9	9124777	9125391	-44031	Intergenic	NM_001126383	si:ch211-235e18.	4.419496475	5.949169546	-1.529673071	0.010325
peak_21089	chr18	30251101	30252729	-134103	Intergenic	NM_001080807	gse1	9.144515463	10.67428819	-1.529772725	7.00E-05
peak_38358	chr5	5786780	5787101	484027	Intergenic	NM_205570	zgc:73226	4.049361258	5.579289863	-1.529928606	0.013677
peak_29084	chr3	39383948	39384374	-84088	Intergenic	NM_001099423	plcd3a	4.310441227	5.840475037	-1.53003381	0.001552
peak_40386	chr2	59194090	59194433	-52177	intron (NM_212882_1, intron 3 of 9)	NM_001002546	vapal	4.012975542	5.543422744	-1.530447202	0.019198
peak_29572	chr25	5794478	5795138	-47645	Intergenic	NM_001197316	plxnb2b	5.97076922	7.501332118	-1.530562898	0.001795
peak_36008	chr22	35234673	35234974	120755	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	4.053416714	5.584248408	-1.530831694	0.008546
peak_31962	chr1	35800883	35802053	-101376	Intergenic	NM_001002077	lsm6	5.219927938	6.75076018	-1.530832241	0.003396
peak_25179	chr16	8240220	8240723	82133	Intergenic	NM_001002115	eaf1	5.554101667	7.084979991	-1.530878323	0.000413
peak_25514	chr18	46876397	46877449	10378	intron (NM_001017558_1, intron 1 of 5)	NM_001017558_1	ets1	6.750869712	8.28178428	-1.530914568	0.000465
peak_37374	chr24	43138412	43138714	49044	Intergenic	NM_200379_1	xylb	3.147197703	4.678116872	-1.530919169	0.011382
peak_33108	chr11	7676925	7677370	-120775	Intergenic	NM_213367	eltd1	4.817466197	6.348385841	-1.530919645	0.004518
peak_30769	chr9	10947862	10948244	23903	intron (NM_001077611, intron 6 of 18)	NM_001077611	dars	5.086184638	6.617443761	-1.531259124	0.002466
peak_35184	chr13	51013152	51013488	162459	Intergenic	NM_001040376	pkz	3.728799148	5.260059062	-1.531259915	0.007166
peak_25572	chr11	40609486	40610148	-173255	Intergenic	NM_001040387	wnt4a	6.416925666	7.948315492	-1.531389826	0.000476
peak_31085	chr7	73289641	73290213	399852	Intergenic	NM_001020693_1	gba3	5.57367646	7.10514211	-1.53146565	0.002675
peak_36115	chr5	12675575	12675868	179759	Intergenic	NM_001020677	zgc:112294	3.76976623	5.301405821	-1.53163959	0.00876
peak_28617	chr17	18028986	18029624	81181	Intergenic	NM_001099260	bcl11ba	6.091390725	7.623038326	-1.531647601	0.001338
peak_21877	chr2	49792439	49793355	191374	Intergenic	NM_001089323	abhd17aa	7.663136306	9.194858967	-1.531722661	0.000103
peak_27923	chr7	39047685	39048091	-33494	Intergenic	NM_001043333	nkd1	5.248615454	6.780489728	-1.531874274	0.001077
peak_37324	chr3	45035651	45036188	50451	intron (NM_001080608, intron 1 of 1)	NM_001080608	hs3st2	4.302663728	5.834586647	-1.531922919	0.011271
peak_29149	chr20	49083296	49083753	-2273	Intergenic	NM_131589	nkx2.1a	4.984744196	6.51670961	-1.531965414	0.001585
peak_38911	chr24	1810858	1811236	351855	Intergenic	NM_001113644_4	zgc:172101	3.874173177	5.40623036	-1.532057184	0.015003
peak_41092	chr5	3801912	3802320	-106686	Intergenic	NM_001045388	rpain	3.758438756	5.290513798	-1.532075042	0.02167
peak_33014	chr17	38022399	38023063	-59357	Intergenic	NM_001077153	zfp36l1a	5.230541675	6.762618876	-1.532077201	0.004416
peak_38667	chr17	7986633	7986994	-65712	Intergenic	NM_001017841	slc18b1	3.751925757	5.284057333	-1.532131576	0.014353
peak_40194	chr20	51501315	51501584	19786	intron (NM_199790, intron 8 of 15)	NM_199790	rbm25	2.941712126	4.473889641	-1.532177515	0.018595
peak_31255	chr18	2648006	2648313	62582	intron (NM_001244879, intron 2 of 7)	NM_001045470	fam168a	4.222285668	5.754485887	-1.532200218	0.002811
peak_37495	chr6	38084776	38085159	-386908	Intergenic	NM_001006062	nipa1	4.268781826	5.800994037	-1.532212212	0.011652
peak_35213	chr23	28602677	28603149	-13011	Intergenic	NM_170762	neurod4	4.119564041	5.651813913	-1.532249872	0.007201
peak_35712	chr16	275800	276277	-1372	Intergenic	NM_205698	irx4a	5.279543499	6.811834903	-1.532291404	0.008048
peak_35579	chr17	21785343	21785814	36432	intron (NM_001002219, intron 8 of 8)	NM_001002219	htra1a	4.585602646	6.117918331	-1.532315684	0.007808
peak_43720	chr20	17087069	17087402	-140174	Intergenic	NM_001002589	zgc:92716	1.967238845	3.499573466	-1.53233462	0.031839
peak_42382	chr12	31512542	31512885	106940	Intergenic	NM_001128687	trub1	4.087440767	5.61981593	-1.532375163	0.025964
peak_36930	chr6	2361068	2361419	68030	Intergenic	NM_200334	hyi	4.319278758	5.851755358	-1.532476601	0.010401
peak_23568	chr7	73413804	73414554	474178	Intergenic	NM_001115141	dhx15	6.302925974	7.835458376	-1.532532402	0.000212
peak_34084	chr18	34315100	34315658	90559	Intergenic	NM_001045352	exosc5	4.738762843	6.271408932	-1.532646089	0.005626
peak_29652	chr7	68189844	68190454	149126	Intergenic	NM_001110471	parvab	5.212796956	6.745528112	-1.532731156	0.001833
peak_27374	chr14	44387791	44388277	-21267	Intergenic	NM_001115099	pcdh18b	6.053066316	7.585975668	-1.532909352	0.000884
peak_30881	chr9	29224357	29225016	-41392	Intergenic	NM_131134	fzd5	5.360122894	6.893050987	-1.532928093	0.002545
peak_26483	chr18	25738617	25739399	-92815	Intergenic	NM_199792	znf710a	5.823302322	7.356231432	-1.53292911	0.000648
peak_25988	chr10	27998556	27999793	267561	Intergenic	NM_152948	cxadr	6.985979056	8.518958691	-1.532979635	0.000548
peak_21305	chr17	7987318	7988569	-64582	Intergenic	NM_001017841	slc18b1	8.395217729	9.928199466	-1.532981737	7.75E-05
peak_24306	chr12	36639499	36640316	-207995	Intergenic	NM_001256248	tbccl	6.469082365	8.002075296	-1.532992931	0.000293

peak_41771	chr22	28696691	28696969	267258	Intergenic	NM_001083852	wu:fu71h07	1.806462687	3.339542398	-1.533079711	0.02386
peak_42789	chr19	194575	194898	6267	intron (NM_001128812, intron 3 of 6)	NM_001128812	tmem65	1.800163388	3.333275764	-1.533112377	0.027654
peak_30018	chr18	35419114	35419568	-139635	Intergenic	NM_001044953	qpctla	4.47306213	6.006270592	-1.533208461	0.002035
peak_27342	chr21	3127039	3127826	72509	Intergenic	NM_213302	hnrnpabb	6.414062394	7.947313073	-1.533250679	0.000873
peak_28166	chr24	29915458	29915897	57916	Intergenic	NM_001039930	rnpc3	4.419496475	5.952751113	-1.533254638	0.001164
peak_29124	chr10	45327359	45329191	28989	Intergenic	NM_200592	nr2f1b	6.494505813	8.02800112	-1.533495307	0.001572
peak_42296	chr24	39502131	39502808	-43461	Intergenic	NM_001009983	metrn	4.830661017	6.3642777	-1.533616684	0.025632
peak_27413	chr18	37248342	37249022	36309	intron (NM_001202420, intron 1 of 11)	NM_001202420	fam214a	5.456605395	6.990276485	-1.53367109	0.000898
peak_30413	chr20	54461309	54461872	27052	Intergenic	NM_212953	rps29	5.535233816	7.069054499	-1.533820683	0.00226
peak_25122	chr15	32744420	32744953	58905	Intergenic	NM_152974	mab21l1	5.531408268	7.065362109	-1.533953841	0.000405
peak_33039	chr17	21556461	21556722	57576	Intergenic	NM_001115098	hmx2	3.928693146	5.46267398	-1.533980834	0.004434
peak_23974	chr2	29598961	29599438	38987	Intergenic	NM_001005929	paxip1	6.476290327	8.010283708	-1.533993381	0.000254
peak_42445	chr8	36455412	36455649	167342	Intergenic	NM_001007206	si:busm1-194e12	3.747021639	5.281033021	-1.534011382	0.026215
peak_24794	chr10	21296202	21297140	146605	Intergenic	NM_001201442	avd	5.281273587	6.815315933	-1.534042346	0.000359
peak_28047	chr3	9098845	9099295	-4929	Intergenic	NM_131836_1	sim2	5.029977095	6.564072331	-1.534095236	0.001119
peak_26419	chr13	5232651	5233609	12816	intron (NM_131893, intron 6 of 12)	NM_131893	meis1	6.760432562	8.294631336	-1.534198774	0.000636
peak_40894	chr5	34900002	34900615	1202	intron (NM_001080173, intron 4 of 8)	NM_001080173	surf1	4.590227006	6.124445354	-1.534218347	0.020908
peak_24833	chr13	13469126	13469818	29907	Intergenic	NM_198916	foxi2	5.973920822	7.508178619	-1.534257797	0.000364
peak_29561	chr2	50845787	50846247	-3766	Intergenic	NM_199659	cul1a	4.861327994	6.395674039	-1.534346044	0.001792
peak_30443	chr19	32767943	32768168	-32	promoter-TSS (NM_001017848)	NM_001017848	necab1	4.003411208	5.53779686	-1.534385651	0.002276
peak_40692	chr19	27599013	27599314	94066	Intergenic	NM_212859	tnfa	3.589313976	5.123842361	-1.534528386	0.020206
peak_23457	chr10	1057628	1058260	46413	intron (NM_001145996, intron 5 of 10)	NM_001099984	unc5c	6.172735694	7.707346479	-1.534610784	0.000202
peak_33196	chr22	40332067	40332643	3329	Intergenic	NM_213118	sox2	5.234600929	6.769454525	-1.534853596	0.004598
peak_42863	chr20	4629767	4630234	149853	Intergenic	NM_205758	papola	3.970047467	5.504920854	-1.534873387	0.027949
peak_24133	chr24	1851800	1852493	-374570	Intergenic	NM_212616	zgc:85789	5.747383201	7.282305912	-1.53492271	0.000273
peak_25490	chr2	33736959	33738054	-26367	intron (NM_201074, intron 10 of 11)	NM_130988	ptch2	7.684813095	9.219851528	-1.535038433	0.000462
peak_27691	chr9	31773092	31773876	20128	intron (NM_001109865, intron 1 of 5)	NM_001109865	klf12b	4.747792413	6.28292108	-1.535128667	0.000989
peak_28975	chr9	18454143	18454611	-154739	Intergenic	NM_001128338	vwa8	4.528525488	6.063723556	-1.535198068	0.001499
peak_28676	chr5	45048505	45049128	-40310	Intergenic	NM_001099974	rhobtb2a	5.735417151	7.270631158	-1.535214006	0.00136
peak_26366	chr25	15406165	15406979	-96176	Intergenic	NM_131304	pax6a	4.868119378	6.403421057	-1.535301679	0.000624
peak_23898	chr13	5858497	5859213	-7419	Intergenic	NM_201488	ppm1g	6.527824743	8.063140337	-1.535315594	0.000246
peak_42885	chr6	57677549	57677903	-72622	Intergenic	NM_001076592	zgc:153702	4.406077963	5.941495559	-1.535417597	0.028082
peak_22954	chr17	1542376	1544130	-36358	Intergenic	NM_001002412_1	zfyve19	8.664443682	10.19991568	-1.535471993	0.000166
peak_24364	chr18	2022422	2024406	151298	Intergenic	NM_207073	relt	7.18627843	8.721782777	-1.535504347	0.0003
peak_33655	chr7	72864507	72864866	-24324	Intergenic	NM_001020693	gba3	4.418468701	5.953997874	-1.535529172	0.005101
peak_26412	chr18	8129613	8130158	-85375	Intergenic	NM_001128535	si:ch211-220f12.	6.133428763	7.669088045	-1.535659281	0.000634
peak_32790	chr1	2382819	2383167	-86749	Intergenic	NM_001109719	zgc:171629	4.568099124	6.103793507	-1.535694383	0.004165
peak_24388	chr1	9703413	9703902	-53966	intron (NM_001044827, intron 4 of 6)	NM_001039805	tnrc5	5.193665276	6.729431131	-1.535765855	0.000303
peak_27613	chr18	41860604	41861193	-148077	Intergenic	NM_001167569_1	pvrl1b	5.128390782	6.664231742	-1.53584096	0.000963
peak_33202	chr5	36467177	36467532	-132862	Intergenic	NM_213129	ankra2	3.84531137	5.381164401	-1.53585303	0.004602
peak_37430	chr17	36343881	36344186	-285298	Intergenic	NM_131336	sox11a	4.226989601	5.762883472	-1.535893871	0.011505
peak_31712	chr16	54611631	54612153	-99284	Intergenic	NM_213187	dhdds	4.803316476	6.339273166	-1.53595669	0.003183
peak_27837	chr22	40336200	40336778	-805	promoter-TSS (NM_213118)	NM_213118	sox2	5.334102215	6.870317416	-1.536215201	0.001045
peak_26121	chr3	62967852	62968884	5669	intron (NM_001109862, intron 2 of 2)	NM_001109862	zgc:173573	6.502273481	8.038489946	-1.536216465	0.000574
peak_41313	chr18	4878965	4879410	12476	Intergenic	NM_001005951	dtwd1	2.091390725	3.627649331	-1.536258606	0.02235
peak_29455	chr16	56672077	56672516	19928	intron (NM_001083010, intron 1 of 9)	NM_001083010	zgc:158766	5.304301409	6.84065252	-1.536351111	0.001733
peak_31171	chr9	26744396	26744876	-64542	Intergenic	NM_001135104	zeb2a	5.768153455	7.30459926	-1.536445805	0.002735
peak_29802	chr6	29598118	29598387	23196	intron (NM_199526, intron 4 of 25)	NM_199526	dlg1	4.341201883	5.877828579	-1.536626696	0.001918
peak_25340	chr21	40088441	40089448	63057	Intergenic	NM_131276	msxd	6.458606642	7.995709469	-1.537102827	0.000439
peak_39617	chr1	48206908	48207286	61752	intron (NM_001077558, intron 4 of 7)	NM_001077558	neurl1aa	3.918551392	5.455699873	-1.53714848	0.016919
peak_23762	chr4	8978025	8979118	4801	intron (NM_001045158, intron 1 of 39)	NM_001045158	sbf1	7.387599672	8.924762393	-1.537162721	0.000232
peak_21521	chr11	26973465	26974936	-46	promoter-TSS (NM_001080082)	NM_001080082	zgc:158299	8.59125015	10.12849105	-1.537240898	8.62E-05
peak_28310	chr15	15279621	15280127	62787	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	4.933017882	6.470299176	-1.537281294	0.001214
peak_29575	chr25	421540	421964	-4513	intron (NM_001077771_1, intron 2 of 2)	NM_183342	prickle1a	5.640999424	7.178309876	-1.537310451	0.001796
peak_40276	chr16	43531189	43531688	-88618	Intergenic	NM_131442	gbp	4.634375402	6.171690437	-1.537315034	0.018865
peak_40729	chr10	41259626	41260091	2408	intron (NM_200744, intron 1 of 6)	NM_200744	smfn	4.685830511	6.223179119	-1.537348608	0.020332
peak_29645	chr13	36037357	36038077	-55208	Intergenic	NM_199432	erlec1	5.097183051	6.634702333	-1.537519282	0.001828
peak_30760	chr10	10931472	10931886	-7012	Intergenic	NM_001109826	cdc37l1	5.479482569	7.017052374	-1.537569806	0.002462
peak_43089	chr15	21623406	21625238	-8067	Intergenic	NM_001077155	nars2	2.803316476	4.340937303	-1.537620828	0.02896
peak_30580	chr8	17968919	17969369	66702	intron (NM_130935, intron 1 of 6)	NM_130935	skia	5.930517725	7.468141658	-1.537623933	0.002355
peak_27345	chr14	32977062	32977788	85274	Intergenic	NM_001001837	zic6	6.220500532	7.75814916	-1.537648629	0.000874
peak_35386	chr9	24208908	24209368	-18885	Intergenic	NM_001128329	LOC554606	4.298200546	5.835859926	-1.537659381	0.007472
peak_32496	chr12	45418481	45418772	-124598	Intergenic	NM_001110011	dock1	3.453067239	4.990810197	-1.537742958	0.003889
peak_22327	chr9	25445631	25446959	-406	promoter-TSS (NM_001128365)	NM_001128365	tmeff2a	7.61054578	9.148401417	-1.537855637	0.000126
peak_42465	chr13	52993132	52993940	5438	Intergenic	NM_001135784	nkx6.2	5.254386895	6.792257745	-1.53787085	0.026285
peak_26577	chr8	49705817	49706304	-86409	Intergenic	NM_001144802	si:ch211-251b21.	5.603879949	7.14185722	-1.537977271	0.000668
peak_23091	chr10	7860928	7861698	-57481	Intergenic	NM_001113504	il6st	6.839157386	8.377225792	-1.538068406	0.000176
peak_27602	chr8	6667558	6667887	-478867	Intergenic	NM_001130781	vsig8b	4.22346309	5.761539784	-1.538076694	0.000959
peak_23543	chr16	55844515	55845888	-105415	Intergenic	NM_001197202	ifnlr1	6.755365704	8.293498942	-1.538133238	0.00021
peak_32742	chr22	11499617	11500351	48666	Intergenic	NM_200832	mid1ip1b	5.787856449	7.326146182	-1.538289733	0.004126
peak_24378	chr5	64374596	64375200	-49536	Intergenic	NM_199780	gatsl2	6.166015232	7.704438189	-1.538422957	0.000303
peak_33165	chr7	57150440	57150913	-211177	Intergenic	NM_212606	cdh15	4.023907976	5.562523062	-1.538615086	0.004569
peak_23997	chr18	20041277	20042122	34181	Intergenic	NM_131012	gro2	7.059838419	8.59852007	-1.538681651	0.000256
peak_36196	chr15	42313861	42314280	69487	Intergenic	NM_214722	ctsc	4.251504061	5.790207441	-1.53870338	0.008916
peak_28742	chr17	1049299	1050032	-40329	Intergenic	NM_001281801	akt1	5.776623881	7.315352638	-1.538728758	0.00139
peak_30192	chr24	36951037	36951432	68576	Intergenic	NM_001008581	snai2	5.349345786	6.888155059	-1.538809272	0.002142
peak_31567	chr2	57378604	57379060	3715	intron (NM_001030070, intron 1 of 6)	NM_001030070	gpx4b	4.943100495	6.482003122	-1.538902628	0.003054
peak_34064	chr18	7485619	7486021	-209921	Intergenic	NM_001013543	arsa	4.360658081	5.899627044	-1.538968964	0.005602
peak_31682	chr5	12440365	12441207	-46766	Intergenic	NM_001195784	fep15	5.137824888	6.676951868	-1.53912698	0.003154
peak_30692	chr1	21195975	21196361	-10032	Intergenic	NM_201220	chrnb3a	4.783449089	6.322617174	-1.539168085	0.002422
peak_41569	chr4	533192	533861	32951	intron (NM_001002170, intron 8 of 8)	NM_001002170	mapre3b	4.856023615	6.395201704	-1.539178089	0.023188
peak_31964	chr12	42636738	42637310	-492719	Intergenic	NM_212880	zgc:76887	4.33794409	5.877344626	-1.539400536	0.003398
peak_31766	chr1	49531598	49531963	200378	Intergenic	NM_001115060	cxcl-c1c	4.140907462	5.680310162	-1.5394027	0.003242
peak_39924	chr13	39797642	39798356	1849	intron (NM_001111187, intron 1 of 13)	NM_001111187	zgc:172136	4.460076621	5.999514209	-1.539437588	0.017792
peak_30462	chr2	25886102	25886584	-78730	intron (NM_199703, intron 3 of 30)	NM_001042721	slc2a2	4.453067239	5.992536304	-1.539469064	0.00229
peak_30375	chr1	50281042	50281521	-40353	Intergenic	NM_131426	lef1	4.864350335	6.403830978	-1.539480643	0.002236
peak_34849	chr21	3417508	3417987	-217806	Intergenic	NM_213302	hnrnpabb	4.759203456	6.298726761	-1.539523306	0.006634
peak_30433	chr11	40549165	40549561	-112801	Intergenic	NM_001040387	wnt4a	4.466115708	6.005768421	-1.539652713	0.002273
peak_25364	chr22	40388756	40390233	-53810	Intergenic	NM_213118	sox2	6.30988708	7.849587919	-1.539700839	0.000443
peak_36707	chr3	7103573	7103993	133810	Intergenic	NM_205613	hn1b	4.532330964	6.072033777	-1.539702813	0.009924
peak_40111	chr2	10009181	10009661	-28143	Intergenic	NM_152977	dmbx1a	4.209200867	5.748904346	-1.539703479	0.018346
peak_29637	chr7	48280228	48280909	110257	Intergenic	NM_001195407	tshz3b	4.914869472	6.454591034	-1.539721562	0.001825
peak_23711	chr8	15649583	15650246	29367	intron (NM_001113620, intron 2 of 10)	NM_001113620	bcar3	6.096540606	7.636268514	-1.539727908	0.000227
peak_36557	chr1	58710957	58711838	11416	intron (NM_001110522, intron 1 of 11)	NM_001110522	colgalt1	5.545155778	7.085142772	-1.539986995	0.009668
peak_22889	chr22	17172961	17173732	46101	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	6.838196953	8.378223259	-1.540026305	0.00016
peak_30050	chr21	28253964	28254678	-98545	Intergenic	NM_001198550	ppp3ca	6.108735571	7.648776397	-1.540040826	0.002051
peak_28242	chr19	21495478	21496261	212064	Intergenic	NM_214704	cndp2	4.728799148	6.268854888	-1.540055741	0.001187
peak_33771	chr14	14153000	14153403	6037	intron (NM_213448, intron 1 of 14)	NM_213448	canx	5.034048183	6.574111661	-1.540063477	0.005227
peak_31378	chr7	17723443	17723868	79591	Intergenic	NM_131158	dbx1a	4.568099124	6.108207359	-1.540108235	0.0029
peak_32175	chr10	18839544	18840022	-69293	Intergenic	NM_199776	ppp2r2d	4.458077413	5.998227955	-1.540150542	0.003566
peak_37537	chr2	57956374	57956785	-5201	Intergenic	NM_001242942	pias4b	4.534285299	6.074841289	-1.54055599	0.011738
peak_34456	chr19	2724029	2724559	-11462	Intergenic	NM_001077282	nedd9	4.941670391	6.482390796	-1.540720406	0.006132
peak_32112	chr22	40331359	40331616	4197	Intergenic	NM_213118	sox2	3.965832482	5.506624285	-1.540791803	0.003512
peak_41147	chr14	26886014	26886379	58524	intron (NM_131402, intron 6 of 8)	NM_199956	g3bp1	3.958780025	5.499606687	-1.540826662	0.021815
peak_29684	chr23	17664249	17664824	-23705	Intergenic	NM_001003581	trim101	6.017793423	7.558632182	-1.540838759	0.001855

peak_32668	chr15	37530355	37530919	25719	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	4.561596548	6.102699251	-1.541102702	0.004046
peak_25160	chr8	11326831	11327593	54295	Intergenic	NM_001083016	fxn	6.072836253	7.613984901	-1.541148648	0.000411
peak_21464	chr18	1027857	1029204	227	5' UTR (NM_205705, exon 1 of 9)	NM_205705	nptnb	7.780734709	9.322026491	-1.541291782	8.38E-05
peak_31598	chr8	54515276	54515757	-6802	Intergenic	NM_131296	tcf7l1b	4.756765819	6.298105346	-1.541339527	0.003082
peak_22670	chr14	1095211	1096052	-10042	intron (NM_212882, intron 3 of 12)	NM_001258230	slc16a2	7.560288623	9.101871394	-1.541582771	0.000146
peak_26145	chr5	12445690	12446260	-41577	Intergenic	NM_001195784	fep15	4.946669565	6.488259386	-1.541589821	0.000579
peak_28214	chr5	5169937	5170427	41457	intron (NM_001076606, intron 2 of 4)	NM_001076606	mvb12ba	6.044744971	7.586424657	-1.541679686	0.001179
peak_25299	chr21	33571317	33571889	52477	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	5.659002196	7.200840969	-1.541838772	0.000432
peak_23193	chr2	50547887	50549283	-177	promoter-TSS (NM_001145764)	NM_001145764	hecw1b	8.13922014	9.681292468	-1.542072328	0.000183
peak_22180	chr12	45594547	45595059	51579	intron (NM_001110011, intron 1 of 20)	NM_001110011	dock1	6.340659428	7.882754176	-1.542094748	0.000118
peak_29309	chr2	36663219	36663873	2772	TTS (NM_001012386)	NM_001012386	gadd45bb	5.091353103	6.633545654	-1.542192551	0.001671
peak_42287	chr7	73320933	73321294	431038	Intergenic	NM_001020693_1	gba3	3.295898468	4.838104839	-1.54220637	0.025603
peak_28213	chr15	16614566	16615002	188767	Intergenic	NM_213076	rps6kb1b	5.420010088	6.962301035	-1.542290948	0.001179
peak_33613	chr4	20573384	20573804	14727	Intergenic	NM_001076732	rps16	4.077057032	5.619631387	-1.542574355	0.005038
peak_35322	chr1	29754114	29754495	-9043	Intergenic	NM_001045236	dachc	4.196066283	5.738800965	-1.542734681	0.007352
peak_23968	chr14	1517920	1519065	-99525	intron (NM_001289886, intron 1 of 6)	NM_001045338	hrh2	6.301237938	7.843985649	-1.542747711	0.000254
peak_34916	chr15	32918817	32919198	88103	Intergenic	NM_001127474	dckl1b	5.057345246	6.600134244	-1.542788998	0.00675
peak_30897	chr16	3151475	3151847	10342	intron (NM_001162542, intron 2 of 19)	NM_001162542	adcy3l	4.57733797	6.120382699	-1.543044728	0.002552
peak_31982	chr4	587919	588214	-3578	Intergenic	NM_001020515	dpysl5b	4.033337828	5.576425139	-1.543087311	0.003415
peak_42359	chr16	48904134	48904472	77017	Intergenic	NM_001045488	zgc:161979	3.540911861	5.084022124	-1.543110263	0.025868
peak_26548	chr9	24130705	24131103	20791	intron (NM_001004670, intron 1 of 4)	NM_001004670	lypd6	4.940954807	6.484084148	-1.543129341	0.000664
peak_24560	chr7	34349993	34350449	7628	intron (NM_131518, intron 1 of 7)	NM_131518	cd81	5.833385175	7.376534993	-1.543149817	0.000325
peak_30084	chr19	8410109	8410504	-11335	intron (NM_001083066, intron 24 of 26)	NM_001002337	hax1	4.881650491	6.424870544	-1.543220053	0.002069
peak_23704	chr2	45885248	45886055	-139239	Intergenic	NM_001045316	fam102ba	6.748201508	8.291901675	-1.543700167	0.000226
peak_34677	chr13	7269064	7269374	269411	Intergenic	NM_001281798	ninl	3.48887231	5.032886558	-1.544014248	0.006413
peak_31882	chr2	46605580	46605870	-162986	Intergenic	NM_201020_1	gpc1b	4.60751831	6.151562142	-1.544043832	0.003337
peak_36854	chr18	32997689	32998006	56101	Intergenic	NM_001045019	tiparp	3.846840202	5.390946736	-1.544106534	0.010241
peak_27768	chr15	29052976	29053652	-24157	Intergenic	NM_001076633	zgc:153372	5.865104932	7.409211577	-1.544106646	0.00102
peak_30437	chr24	2438559	2438981	-90385	Intergenic	NM_001076711	f13a1a.1	4.569951633	6.114249285	-1.544297652	0.002274
peak_31209	chr3	42963773	42964419	4363	exon (NM_131503, exon 2 of 10)	NM_131503	axin1	3.995162437	5.539515585	-1.544353148	0.002768
peak_24245	chr11	36453890	36454372	149915	Intergenic	NM_212679	bhlhe40	5.849893014	7.394470177	-1.544577163	0.000287
peak_33981	chr17	44300174	44300572	-4278	Intergenic	NM_131251	otx2	3.999292718	5.543887923	-1.544595205	0.005502
peak_36798	chr18	41462198	41462576	138225	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	2.818979367	4.363726408	-1.544747041	0.01011
peak_30871	chr1	22883862	22884268	33584	Intergenic	NM_152975	mab21l2	4.427692414	5.972440971	-1.544748557	0.00254
peak_23493	chr5	34581479	34581980	39162	Intergenic	NM_177984	lmo4a	5.87976301	7.424628155	-1.544865146	0.000206
peak_37748	chr21	40437345	40437631	-46650	Intergenic	NR_034203		3.546567647	5.0915949	-1.545027253	0.012154
peak_32702	chr15	37334292	37334736	-170404	Intergenic	NM_131481	robo1	4.693448485	6.238613759	-1.545165274	0.00409
peak_37608	chr20	12103189	12103494	-815012	Intergenic	NM_001100043	flrt2	4.186438186	5.731631291	-1.545193105	0.011868
peak_34673	chr11	8740415	8740898	92247	intron (NM_001020583, intron 3 of 14)	NM_001020583	tbl1xr1a	4.334678924	5.88018478	-1.545505856	0.006404
peak_38537	chr13	50904010	50904348	88156	Intergenic	NM_001020687_1	b3galnt2	3.665997984	5.211551502	-1.545553518	0.014077
peak_24120	chr6	58315774	58316624	-109180	Intergenic	NM_001013289	arfrp1	6.940775855	8.486353889	-1.545578034	0.000271
peak_26774	chr8	18560938	18561773	60	promoter-TSS (NM_001007283)	NM_001007283	dio1	6.630138506	8.175724035	-1.54558553	0.000722
peak_22254	chr1	42607270	42608593	-54305	Intergenic	NM_001159372	ctnna2	8.352846984	9.898494274	-1.54564729	0.000122
peak_37390	chr21	16148247	16148569	-33641	Intergenic	NM_001012312	gsna	3.815860363	5.361629313	-1.54576895	0.011411
peak_26702	chr6	57613411	57613970	-8586	Intergenic	NM_001076592	zgc:153702	5.597510523	7.143490063	-1.545979539	0.000701
peak_28321	chr6	57052481	57053567	373515	Intergenic	NM_001002869	ddx27	5.400822864	6.946886309	-1.546063445	0.00122
peak_24267	chr2	41787603	41788083	143688	Intergenic	NM_200827	efr3a	6.079047629	7.625129409	-1.54608178	0.00029
peak_39681	chr23	1785986	1786523	60672	Intergenic	NM_001076663	rabggta	4.708711963	6.254866727	-1.546154764	0.017077
peak_27149	chr13	504377	504684	5663	intron (NM_001034968, intron 1 of 37)	NM_001034968	slit1a	4.598418383	6.144720164	-1.546301781	0.000818
peak_29352	chr19	32489022	32489381	60308	Intergenic	NM_001045124	meox2b	4.320379652	5.866715036	-1.546335384	0.001686
peak_32027	chr23	5924205	5924585	-91124	Intergenic	NM_205567	csrp1a	3.951692923	5.498074556	-1.546381632	0.003448
peak_36000	chr21	30970509	30970785	81896	Intergenic	NM_001013294	clk4b	3.934456584	5.480896619	-1.546440035	0.008529
peak_25821	chr15	18366062	18366910	7050	intron (NM_205649, intron 2 of 2)	NM_205649	zgc:77784	6.907950368	8.454538444	-1.546588076	0.000517
peak_28192	chr12	46788696	46789092	38844	intron (NM_131640, intron 5 of 9)	NM_131640	pax2b	5.090745696	6.63735777	-1.546612074	0.001173
peak_42089	chr1	48909619	48909906	581036	Intergenic	NM_001077556	ccdc147	3.383019995	4.929646815	-1.54662682	0.024962
peak_41356	chr8	8971153	8971468	-41662	Intergenic	NM_001030157	comta	2.828296123	4.374942165	-1.546646041	0.02251
peak_35575	chr23	27585586	27585996	271	intron (NM_131628, intron 1 of 26)	NM_131628	scn8aa	3.957365387	5.504169712	-1.546804325	0.007795
peak_32433	chr21	15584079	15584654	21303	intron (NM_001030277, intron 4 of 18)	NM_001030277	atp2a2b	5.426670464	6.973583364	-1.5469129	0.003822
peak_33442	chr15	71228	71807	-143	promoter-TSS (NM_001020822)	NM_001020822	cyp2y3	4.99171148	6.538728675	-1.547017195	0.004867
peak_23908	chr11	24338519	24339003	-82188	Intergenic	NM_001113489	kiss1	5.972170782	7.519332554	-1.547161772	0.000247
peak_28194	chr13	35008146	35008615	-5458	Intergenic	NM_001012376_1	ism1	5.512211182	7.059421848	-1.547210666	0.001173
peak_28545	chr6	6181112	6181494	-5964	Intergenic	NM_001079912	rtn4a	4.702814493	6.250063553	-1.547249061	0.001307
peak_25289	chr15	37887196	37887684	326213	intron (NM_131633, intron 20 of 29)	NM_131633	robo2	5.612020614	7.159613963	-1.547593349	0.000431
peak_25612	chr7	43936625	43937268	47094	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	6.131530147	7.67925052	-1.547720372	0.000483
peak_36195	chr6	36466956	36467553	-135969	Intergenic	NM_131079	her6	4.841482188	6.389303932	-1.547821744	0.008914
peak_32994	chr9	34774469	34774859	-31690	Intergenic	NM_001002711	fundc1	3.999292718	5.547143957	-1.547851239	0.004393
peak_25476	chr24	2044566	2045354	-181756	Intergenic	NM_212616	zgc:85789	6.972706229	8.520751247	-1.548045018	0.000461
peak_28208	chr3	46725161	46725615	-76763	Intergenic	NM_201053	prkcsh	4.499603187	6.047821189	-1.548218002	0.001177
peak_22134	chr17	12155229	12156191	92922	Intergenic	NM_131434	snap25b	7.041725037	8.58995654	-1.548231502	0.000116
peak_34033	chr21	29306342	29307313	-17688	Intergenic	NM_001098741	rab39ba	5.08099759	6.629274284	-1.548276694	0.005557
peak_28212	chr12	39224664	39225055	-387344	Intergenic	NM_001040355	pmp22b	4.395609492	5.94398068	-1.548371188	0.001178
peak_35550	chr20	52020761	52021201	45705	Intergenic	NM_001007427	brox	4.562527284	6.110947845	-1.548420561	0.007756
peak_26644	chr24	23148702	23149585	215327	Intergenic	NM_199680	zc2hc1a	6.239281921	7.787827328	-1.548545407	0.000685
peak_39208	chr7	73251634	73252121	361802	Intergenic	NM_001020693_1	gba3	4.102952214	5.651521205	-1.548568992	0.015842
peak_39758	chr3	52257828	52258193	-46901	intron (NM_213256, intron 6 of 14)	NM_001040245	baiap2a	3.875671743	5.42424947	-1.548577727	0.017262
peak_31120	chr13	30985034	30985410	-42778	Intergenic	NM_178307	cxcl12a	4.06133994	5.610066271	-1.548726331	0.002697
peak_35430	chr21	25779197	25779562	-3537	Intergenic	NM_205581	tmsb	3.933017882	5.481745923	-1.548728041	0.007543
peak_23579	chr15	40210616	40211211	-7327	Intergenic	NM_001003474	spsb4b	5.614715268	7.163445123	-1.548729855	0.000213
peak_25156	chr19	49183650	49185186	-1947	Intergenic	NM_173223	sdc2	6.679334528	8.228157615	-1.548823087	0.00041
peak_23658	chr6	59718713	59719289	-199	promoter-TSS (NM_214751)	NM_214751	pck1	7.072519129	8.621449304	-1.548930175	0.000221
peak_26411	chr3	33246673	33247232	3732	intron (NM_131399, intron 1 of 7)	NM_131399	rarab	6.12524457	7.674189792	-1.548945222	0.000634
peak_33416	chr18	14407767	14408212	14943	intron (NM_001044926, intron 3 of 13)	NM_001044926	mtss1l	5.211645407	6.760789141	-1.549143734	0.004835
peak_31937	chr9	16429429	16429806	-48819	Intergenic	NM_200144	upp2	4.291414275	5.840643026	-1.549228752	0.003375
peak_36479	chr1	30654073	30654437	-13231	Intergenic	NM_178296	gli1	4.436916749	5.986230385	-1.549313635	0.009505
peak_23157	chr14	15431221	15432037	152	exon (NM_001045428, exon 1 of 2)	NM_001045428	rab33a	6.785830468	8.335161444	-1.549330977	0.000181
peak_32390	chr11	22755862	22756847	12401	intron (NM_001199491, intron 1 of 17)	NM_001199491	foxp4	5.396653674	6.946122415	-1.54946874	0.003775
peak_28254	chr14	11358963	11359590	206288	Intergenic	NM_001077781	zdhhc15b	6.061320733	7.610998606	-1.549677873	0.00119
peak_31767	chr11	21875008	21875289	-8379	Intergenic	NM_001020724	zgc:113307	3.766538874	5.316273824	-1.549734949	0.003243
peak_37363	chr15	3661005	3661627	66287	Intergenic	NM_001080055_1		4.914183006	6.46398234	-1.549799334	0.011341
peak_32669	chr24	30099042	30099600	-179440	Intergenic	NM_001163988	prmt6	4.841482188	6.391527551	-1.550045363	0.004051
peak_36964	chr9	8145062	8145753	-293175	Intergenic	NM_001109720	zgc:171776	4.716259173	6.266332816	-1.550073643	0.010499
peak_38693	chr15	38270982	38271199	-57437	Intergenic	NM_131633	robo2	3.979916095	5.530222891	-1.550306796	0.014416
peak_34975	chr4	9131938	9132322	158360	Intergenic	NM_001045158	sbf1	3.738714804	5.289302746	-1.550587942	0.006826
peak_27408	chr2	49802360	49802880	-185280	Intergenic	NM_001277094	rorcb	5.629916529	7.180638454	-1.550721924	0.000896
peak_25347	chr2	55714623	55715236	-125220	Intergenic	NM_201465	calr3b	6.036040335	7.586834259	-1.550793924	0.00044
peak_29074	chr6	56266411	56266868	147262	Intergenic	NM_001008576_1	tfap2c	4.452063113	6.002860077	-1.550796964	0.001548
peak_40320	chr11	44964229	44964570	63922	intron (NM_001015069_1, intron 2 of 3)	NM_001015069_1	gli2b	3.826747503	5.377545767	-1.550798265	0.018995
peak_37392	chr13	41118819	41119299	80329	Intergenic	NM_213119	slc25a28	4.480960159	6.031789133	-1.550828974	0.011412
peak_24702	chr6	50432071	50432886	29373	Intergenic	NM_001126109	mych	7.425534827	8.976400659	-1.550865833	0.000345
peak_25616	chr10	46374594	46375195	-1499	Intergenic	NM_200547	purbb	5.967941514	7.518844185	-1.550902671	0.000483
peak_40244	chr25	31371828	31372257	-24863	Intergenic	NM_001199737	pdia3	3.967238845	5.518159866	-1.550921021	0.018756
peak_42947	chr5	2302325	2302574	145944	Intergenic	NM_001114407	ca4a	2.895012766	4.445985665	-1.550972899	0.028354
peak_36282	chr16	28555853	28556419	-72941	Intergenic	NM_001044848	arhgef1b	4.23284803	5.784086077	-1.551238048	0.009089
peak_30444	chr25	21306244	21307000	6371	intron (NM_001077599, intron 1 of 12)	NM_001077599	csk	5.780205553	7.33148158	-1.551276026	0.002277
peak_23182	chr7	27286552	27287074	-11736	Intergenic	NM_001123054	si:ch211-138a11.	6.214295563	7.765637677	-1.551342114	0.000182

peak_35112	chr4	27608253	27608768	55463	Intergenic	NM_001020599	trmu	4.777048273	6.32843796	-1.551389687	0.00706
peak_24468	chr16	23116725	23117208	5479	Intergenic	NM_001110396	snx10b	5.5223201	7.073816045	-1.551495945	0.000312
peak_42375	chr2	38370539	38370847	55037	Intergenic	NM_001245990	gig2q	3.492783688	5.044339682	-1.551555993	0.025937
peak_28683	chr6	42627728	42628234	-123713	Intergenic	NM_001014822	sema3fa	5.176709942	6.728376913	-1.551666971	0.001363
peak_27880	chr10	45071451	45072071	-15494	exon (NM_131312, exon 10 of 11)	NR_045221		5.175493722	6.727213259	-1.551719537	0.001059
peak_25699	chr5	32073594	32074064	-16176	Intergenic	NM_001128731	atf5a	6.064299967	7.616039059	-1.551739092	0.000495
peak_29630	chr5	5785909	5786295	484865	Intergenic	NM_205570	zgc:73226	4.540911861	6.092656913	-1.551745051	0.00182
peak_34328	chr8	3316735	3317288	65021	Intergenic	NM_001040010	lhx2b	4.253810789	5.805631842	-1.551821053	0.005955
peak_30728	chr19	33127555	33127999	17996	intron (NM_001128539, intron 2 of 3)	NM_001128539	zbtb10	4.393518857	5.945454028	-1.551935172	0.002444
peak_31976	chr9	26446591	26447283	30499	intron (NM_001110278, intron 4 of 11)	NM_001110278	acvr2aa	5.227610748	6.779567418	-1.55195667	0.003409
peak_29011	chr22	36156794	36157231	-85815	Intergenic	NM_001003610	nicn1	4.792204096	6.344175485	-1.551971389	0.001514
peak_31078	chr15	3401291	3401800	7626	Intergenic	NM_001077257	foxo1a	4.916326378	6.46834105	-1.552014672	0.002669
peak_36703	chr19	15280607	15281013	6635	Intergenic	NM_001044982	cited4a	4.533280767	6.085295674	-1.552014908	0.009916
peak_31733	chr11	40488616	40489105	-52298	Intergenic	NM_001040387	wnt4a	3.393518857	4.945548263	-1.552029406	0.003203
peak_28188	chr10	17470053	17470384	-13365	Intergenic	NR_030078		4.622769162	6.17492236	-1.552153198	0.001172
peak_31140	chr20	32393307	32393756	-21914	intron (NM_001025482, intron 7 of 12)	NM_131085	foxo3b	4.815079557	6.367252894	-1.552173337	0.002717
peak_37763	chr23	30561221	30561572	273968	Intergenic	NM_212848	uts2a	3.594783512	5.147012945	-1.552229433	0.012194
peak_42659	chr6	7977950	7978681	-40789	intron (NM_001040308, intron 12 of 15)	NM_170763	fzd7b	5.466057675	7.01854906	-1.552491385	0.027121
peak_27922	chr20	2790247	2790631	29758	Intergenic	NM_214696	syncrip	4.811169177	6.363775709	-1.552606532	0.001077
peak_32952	chr13	45270408	45271074	87407	Intergenic	NM_001030175	zfand3	4.83374822	6.386397599	-1.552649378	0.004355
peak_30504	chr13	17035804	17036217	464378	intron (NM_001020701, intron 6 of 6)	NM_001145600	kcnma1a	5.08686945	6.639615686	-1.552746236	0.002313
peak_24156	chr21	19419054	19419828	-123474	Intergenic	NM_213226	zgc:85869	6.125855995	7.678613657	-1.552757661	0.000276
peak_23556	chr21	848334	849469	-16343	Intergenic	NM_194432	oaz2a	8.380818133	9.933702882	-1.552884749	0.000211
peak_26472	chr9	29272941	29273315	7050	intron (NM_001076720, intron 8 of 9)	NM_131134	fzd5	4.793790223	6.346791631	-1.553001408	0.000645
peak_36020	chr14	9223271	9223649	-48607	Intergenic	NM_001003888	polr1d	2.964424746	4.517437023	-1.553012278	0.008567
peak_32933	chr19	10464494	10465013	-12252	intron (NM_001083084, intron 5 of 5)	NM_001017733	cacng8a	5.475069531	7.028170954	-1.553101422	0.004328
peak_23924	chr9	38628173	38628851	-178642	Intergenic	NM_001113576	pdia5	6.935566105	8.488801602	-1.553235497	0.000249
peak_24027	chr1	19053867	19054761	-242483	Intergenic	NM_207071	mettl14	7.659757122	9.213081823	-1.5533247	0.000259
peak_39242	chr10	29616781	29616983	-99331	Intergenic	NM_131000	alcama	3.159552967	4.712917478	-1.553364511	0.01594
peak_31385	chr25	36340212	36340722	17000	Intergenic	NM_001045234	fancf	4.331406352	5.884959717	-1.553553365	0.002905
peak_23798	chr3	50599492	50600273	8181	intron (NM_001077292, intron 2 of 6)	NM_001077292	samd1a	5.570876996	7.124523859	-1.553646863	0.000236
peak_30037	chr10	21550957	21551343	14120	3' UTR (NM_213504, exon 13 of 13)	NM_001012379	fgf18b	3.933017882	5.486702371	-1.55368449	0.002045
peak_39450	chr10	28450955	28451367	259636	Intergenic	NM_001020542	ints2	3.743647192	5.297343189	-1.553695997	0.016425
peak_41028	chr1	11770814	11771258	80401	Intergenic	NM_200896	zgc:77739	3.768153455	5.321895697	-1.553742242	0.021417
peak_31110	chr17	20267636	20268103	-62570	Intergenic	NM_001076708	neurl1ab	4.280142431	5.833890823	-1.553748392	0.002693
peak_34162	chr11	2032945	2033593	-8648	exon (NM_200495, exon 8 of 13)	NM_001083310	rargb	5.784669353	7.338532351	-1.553862997	0.005714
peak_33667	chr3	3194573	3195134	193172	Intergenic	NM_001098774	zgc:165583	4.782650538	6.336523122	-1.553872584	0.005114
peak_20763	chr18	35666032	35667196	28888	intron (NM_001139480, intron 2 of 7)	NM_001139480	yap1	8.649094986	10.20297219	-1.553877204	6.01E-05
peak_20942	chr13	13831229	13832724	-35360	Intergenic	NM_001145615	atrn	8.899279497	10.45330112	-1.554021622	6.51E-05
peak_26990	chr13	53497331	53497791	-123912	Intergenic	NM_213270	lycat	5.281273587	6.835377832	-1.554104245	0.000777
peak_26679	chr23	45326745	45328523	23869	intron (NM_001077745, intron 20 of 20)	NM_001201337_1	LOC794400	7.234343	8.788493104	-1.554150103	0.000696
peak_31397	chr7	23783176	23783774	118	5' UTR (NM_001002340, exon 1 of 4)	NM_001002340	cldn7a	5.319278758	6.873977803	-1.554699046	0.002912
peak_32062	chr16	10002552	10002837	-38865	Intergenic	NM_001289913	cobl	4.021202373	5.576031111	-1.554828738	0.00348
peak_29321	chr19	1923071	1923849	55296	intron (NM_198819, intron 4 of 28)	NM_200029	rplp1	5.218713183	6.77359393	-1.554880747	0.001675
peak_34926	chr3	44356373	44356627	-64773	Intergenic	NM_001002533_1	rab11fip4a	3.820536344	5.37547255	-1.554936206	0.006762
peak_25799	chr6	33211799	33212311	-22869	Intergenic	NM_201143	pik3r3b	6.252657886	7.807805417	-1.555147531	0.000513
peak_30399	chr21	43088690	43089468	80443	Intergenic	NM_131826	spry4	5.490311787	7.045508891	-1.555197104	0.002252
peak_23807	chr5	70385732	70386292	-1123	Intergenic	NM_131418	coe2	6.450067432	8.005341803	-1.555274371	0.000237
peak_39499	chr19	2599324	2599826	-53430	Intergenic	NM_213241	sp8a	4.788231132	6.343661841	-1.555430709	0.016633
peak_23050	chr15	11011512	11012356	477369	Intergenic	NM_130969	odz4	6.516073892	8.071607789	-1.555533897	0.000173
peak_24558	chr11	22487660	22488529	68536	Intergenic	NM_001013545	zgc:101564	7.315443155	8.871032552	-1.555589397	0.000324
peak_22374	chr20	18812689	18813415	-197	promoter-TSS (NM_001025550)	NM_001025550	fam167ab	7.16998129	8.725734145	-1.555752854	0.000129
peak_28438	chr13	20389457	20389879	-234885	Intergenic	NM_131730_1	gfra1a	4.22346309	5.779392823	-1.555929733	0.001262
peak_33211	chr19	30973585	30973865	-69779	Intergenic	NM_213223	marcksl1b	3.64320069	5.199155196	-1.555954505	0.004609
peak_24308	chr9	54990376	54991028	-111496	Intergenic	NM_001009888	sox21b	6.375843491	7.931855347	-1.556011857	0.000294
peak_21937	chr12	17418186	17418892	62959	Intergenic	NM_200834	ppp1r3cb	7.923535344	9.479557234	-1.55602189	0.000106
peak_38281	chr4	23491974	23492266	-592611	Intergenic	NM_194401	celf2	4.025258877	5.581339009	-1.556080132	0.013465
peak_29465	chr6	55082389	55082700	77137	Intergenic	NM_001100137	mybphb	4.063971374	5.620079893	-1.556108518	0.001738
peak_22386	chr2	28604517	28605051	16	promoter-TSS (NM_001039633)	NM_001039633	cdh10	6.581503012	8.137761919	-1.556258906	0.000129
peak_40166	chr10	44922947	44923479	133054	Intergenic	NR_045221		3.825197218	5.381521775	-1.556324557	0.018515
peak_40326	chr7	69369345	69370007	-113752	Intergenic	NM_001002386	kars	4.2869161	5.843243016	-1.556326916	0.019011
peak_23516	chr12	6135473	6135983	12635	intron (NM_001190309, intron 1 of 25)	NM_001190309	itga3b	6.529267553	8.085709984	-1.55644243	0.000208
peak_32474	chr2	40828197	40828476	127256	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	4.139660669	5.696142303	-1.556481633	0.003866
peak_33361	chr23	41163885	41164279	5328	intron (NM_001139458, intron 3 of 5)	NM_001139458	si:dkey-194e6.1	4.181599935	5.738354883	-1.556754948	0.004776
peak_27850	chr1	41307990	41308569	-12880	Intergenic	NM_001113526	hmx1	5.115727566	6.672575836	-1.55684827	0.001048
peak_39431	chr7	10629176	10629510	-4462	Intergenic	NM_001044745	aldh1a3	3.561542232	5.118485048	-1.556942817	0.016394
peak_25917	chr18	20056249	20057139	49176	Intergenic	NM_131012	gro2	6.563430297	8.120651288	-1.557220991	0.000536
peak_30651	chr25	35539766	35540188	147797	intron (NM_200662, intron 28 of 28)	NM_001110479	trpm1b	4.944529182	6.501751315	-1.557222133	0.002396
peak_33462	chr7	51520345	51521345	162374	Intergenic	NM_001004679	apip	4.924355407	6.481772199	-1.557416792	0.004882
peak_40871	chr21	34852741	34853005	-41128	Intergenic	NM_001001816	sgcd	3.753556765	5.311012254	-1.557455488	0.020788
peak_24697	chr10	39689839	39690331	-80235	Intergenic	NM_001001886	usp25	6.070875222	7.628383615	-1.557508393	0.000344
peak_31700	chr2	7687243	7688030	84927	Intergenic	NM_001013525	kcnmb2	5.196066283	6.753622996	-1.557556713	0.003172
peak_25787	chr6	54902097	54902987	-83273	Intergenic	NM_001080614	csrp1b	5.74901935	7.306585433	-1.557566082	0.000511
peak_20821	chr20	26446949	26448793	2675	intron (NM_001281788, intron 2 of 3)	NM_001098184	akap12b	8.955761927	10.5134047	-1.557642775	6.18E-05
peak_29134	chr17	10123795	10124171	-24272	Intergenic	NM_131432	tyro3	5.284097602	6.842058735	-1.557961133	0.001577
peak_24847	chr17	34946281	34946863	-26497	Intergenic	NM_201291	id2a	6.157996371	7.716193283	-1.558196912	0.000367
peak_24031	chr23	44118881	44119361	60648	Intergenic	NM_213374	zgc:56304	5.422062711	6.980393456	-1.558330745	0.00026
peak_25611	chr7	47909689	47910192	280347	Intergenic	NM_130995	ccne1	5.795397703	7.353783158	-1.558385455	0.000483
peak_27534	chr5	71589586	71590348	97389	Intergenic	NM_001128529	mepce	5.496197467	7.05464239	-1.558444923	0.000936
peak_24784	chr9	2588676	2589195	3967	Intergenic	NM_212960	sp9	5.710836863	7.269350452	-1.558513589	0.000357
peak_35353	chr6	12005034	12005442	87558	Intergenic	NM_001077769	wdsub1	3.510254836	5.068812748	-1.558557912	0.007419
peak_25186	chr17	25294418	25294886	8538	intron (NM_201486, intron 1 of 5)	NM_201486	clic4	5.086184638	6.644907955	-1.558723317	0.000414
peak_38582	chr13	6592506	6592903	-67029	Intergenic	NM_205675	pitx3	4.612866973	6.171656506	-1.558789532	0.014176
peak_28625	chr19	26195130	26195583	-15927	intron (NM_212563, intron 2 of 2)	NM_001003475	bloc1s4	5.4695931	7.028488436	-1.558895336	0.001343
peak_32456	chr16	51817523	51817949	23194	intron (NM_001012368, intron 1 of 10)	NM_001012368	ext1a	3.803316476	5.362323645	-1.559007169	0.003846
peak_27293	chr11	31686820	31687286	67205	Intergenic	NM_200716	zgc:73111	4.992402332	6.551433488	-1.559031155	0.000858
peak_38530	chr19	1195016	1195341	-50612	Intergenic	NM_001113601	scrt1a	3.387228713	4.946335128	-1.559106416	0.014064
peak_32451	chr8	46266601	46267073	-94266	Intergenic	NM_001130631	ulk1a	4.544684847	6.103883525	-1.559198678	0.003841
peak_33861	chr13	16664068	16664441	92622	intron (NM_001145600, intron 1 of 28)	NM_001145600	kcnma1a	3.961605146	5.520818146	-1.559213	0.005347
peak_30226	chr22	40325295	40325897	10088	Intergenic	NM_213118	sox2	4.859770274	6.419126628	-1.559356354	0.002157
peak_35947	chr7	61048193	61048571	175627	intron (NM_131550, intron 10 of 20)	NM_200097	brms1	4.268781826	5.82818629	-1.559404464	0.008443
peak_30716	chr19	47494701	47495305	53841	intron (NM_001177934, intron 2 of 7)	NM_001177934	trps1	4.682359636	6.241771013	-1.559411377	0.002438
peak_24524	chr6	246242	247677	2460	intron (NM_214746, intron 1 of 10)	NM_214746	rbfox2	7.354728731	8.914175718	-1.559446987	0.00032
peak_38860	chr8	29432421	29432674	-9244	Intergenic	NM_130972	par1	3.445014594	5.00451955	-1.559504956	0.01491
peak_26541	chr9	46309717	46310412	248428	Intergenic	NM_001040004	retsatl	5.118261731	6.677933487	-1.559671756	0.000662
peak_27308	chr6	21417409	21417877	-24132	Intergenic	NM_001077380	lrrc8db	5.720876314	7.280687929	-1.559811615	0.000864
peak_31373	chr20	24932812	24933403	59538	intron (NM_001044979, intron 5 of 17)	NM_001044979	epha7	4.672859448	6.232797981	-1.559938533	0.002896
peak_34070	chr11	19072654	19073014	52807	Intergenic	NM_131245	id1	4.81668626	6.376668079	-1.559981819	0.00561
peak_30485	chr15	98880	99204	-21988	Intergenic	NM_001077574	med17	4.284661742	5.84465151	-1.559989769	0.002304
peak_41550	chr5	47227569	47227896	48421	Intergenic	NM_001105109	npffr2.1	3.546567647	5.106585075	-1.560017429	0.023115
peak_34202	chr16	31781370	31781996	5978	Intergenic	NM_152984	onecutl	4.891356638	6.451421002	-1.560064364	0.005775
peak_29317	chr12	21574931	21575415	-113407	Intergenic	NM_001082834	zgc:163057	4.469096843	6.029206626	-1.560109784	0.001674
peak_26881	chr3	46020237	46020866	132793	Intergenic	NM_001135975	shisa9b	5.420523517	6.980796747	-1.56027323	0.000748
peak_25202	chr6	8607285	8607778	-87	promoter-TSS (NM_001020695)	NM_001020695	zgc:112392	5.813125692	7.373441693	-1.560316001	0.000416
peak_25808	chr19	17714946	17715440	-132324	Intergenic	NM_131857	klf2b	5.305446222	6.865807444	-1.560361222	0.000515

peak_32734	chr8	31366023	31366406	17002	intron (NM_001123253, intron 1 of 22)	NM_001123253	si:dkey-91m11.5	4.512239285	6.073009065	-1.56076978	0.004117
peak_37638	chr21	3596998	3597254	92243	Intergenic	NM_175082	smad7	3.650222256	5.21118877	-1.560966515	0.011921
peak_22680	chr19	40162792	40163587	192233	Intergenic	NM_212579	col9a2	6.838965351	8.399957691	-1.560992341	0.000147
peak_22873	chr18	5196764	5198545	39950	Intergenic	NM_001013457	gcsha	7.724635298	9.285656587	-1.561021289	0.000159
peak_21449	chr7	35013170	35014687	4345	intron (NM_131780, intron 4 of 19)	NM_131780	gro1	8.495581349	10.05667122	-1.561089875	8.32E-05
peak_28334	chr8	196616	196999	-8928	Intergenic	NM_199992	sema6a	3.993783045	5.554903838	-1.561120794	0.001225
peak_28828	chr14	52728730	52729237	96739	Intergenic	NM_001110028	zgc:171797	4.861327994	6.422541486	-1.561213492	0.00143
peak_28060	chr7	13132457	13133015	-57262	Intergenic	NM_001037578	fam154b	5.451058288	7.012474973	-1.561416685	0.001124
peak_35526	chr10	14012337	14012748	-275905	Intergenic	NM_001098242	cntfr	4.311548883	5.87314603	-1.561597147	0.007723
peak_30888	chr15	23130226	23130660	7623	Intergenic	NM_200898	rad1	4.828341271	6.38994342	-1.561602149	0.002547
peak_26488	chr20	4633954	4634404	145674	Intergenic	NM_205758	papola	5.224639552	6.786271162	-1.56163161	0.00065
peak_25547	chr7	37156959	37157899	7514	Intergenic	NM_001045227	irx5a	6.424127355	7.985791413	-1.561664058	0.000471
peak_24871	chr7	2681580	2682639	-62259	Intergenic	NM_001114582	zgc:171424	6.196983115	7.758886927	-1.561903812	0.000371
peak_28138	chr9	5577039	5577506	-214724	Intergenic	NM_001037685	abhd13	4.853699967	6.415660743	-1.561960776	0.001155
peak_25240	chr17	18147916	18148501	200084	Intergenic	NM_001099260	bcl11ba	6.179139309	7.741219949	-1.562080639	0.000422
peak_33818	chr13	54003190	54003626	-43567	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	5.179174711	6.741293503	-1.562118792	0.005277
peak_34371	chr21	22789326	22789730	-204039	intron (NM_131202, intron 1 of 18)	NM_199635	zbtb16a	4.367064887	5.929302863	-1.562237976	0.006009
peak_25938	chr3	6467037	6467747	-60015	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	5.775018757	7.33736956	-1.562350803	0.000539
peak_22049	chr1	35405778	35406800	-44456	Intergenic	NM_001137659	frem3	8.902236852	10.46460042	-1.562363571	0.000111
peak_37279	chr8	34422246	34422555	-5394	Intergenic	NM_001136477	mvb12bb	3.953113131	5.515540099	-1.562426968	0.011176
peak_29639	chr24	29790811	29791189	24776	intron (NM_001083844, intron 4 of 65)	NM_001083844	col11a1a	4.549387246	6.111836557	-1.56244931	0.001826
peak_27074	chr13	3066233	3066665	101832	intron (NM_001017635, intron 2 of 6)	NM_001017635	park2	4.680646069	6.243111217	-1.562465148	0.000795
peak_26364	chr5	7572003	7572794	-56211	Intergenic	NM_001018130	crybb3	6.104888788	7.667401567	-1.562512779	0.000624
peak_29141	chr23	11737325	11737695	257114	Intergenic	NM_001163106	chl1a	4.441983226	6.004508437	-1.562525211	0.001581
peak_42936	chr2	14922631	14922840	1389	intron (NM_001017728, intron 3 of 5)	NM_001017728	f3b	3.342286181	4.904843015	-1.562556834	0.028301
peak_35138	chr12	23208129	23208414	168562	Intergenic	NM_001020680	mrpl27	4.360658081	5.92324688	-1.5625888	0.007092
peak_27882	chr2	39535643	39536466	-72799	Intergenic	NM_001002667	slc25a36a	6.062637068	7.625247135	-1.562610067	0.00106
peak_24946	chr22	40398041	40398617	-62645	Intergenic	NM_213118	sox2	5.594783512	7.157605671	-1.562822159	0.00038
peak_39199	chr1	25639464	25639734	2430	intron (NM_001037692, intron 2 of 4)	NM_001037692	zgc:123172	3.322643025	4.885560471	-1.562917445	0.015812
peak_24304	chr3	33889281	33889991	-114170	Intergenic	NM_001017609	alkbh7	5.512211182	7.075213311	-1.563002129	0.000293
peak_30347	chr16	44641520	44642175	-1447	Intergenic	NM_001077539	scn1ba	6.135324884	7.698387505	-1.563062621	0.002224
peak_23307	chr13	13816605	13817404	25605	Intergenic	NM_001007289	rpia	6.379032319	7.942523039	-1.56349072	0.000191
peak_26379	chr16	21493621	21494292	36	promoter-TSS (NM_205550)	NM_205550	sp8b	6.968850086	8.532402702	-1.563552616	0.000628
peak_25979	chr17	37834914	37835673	22142	Intergenic	NM_001076673	tmem229b	6.282387378	7.846265466	-1.563878088	0.000547
peak_32046	chr13	5180074	5180845	65487	intron (NM_131893, intron 9 of 12)	NM_131893	meis1	5.6947225	7.258618657	-1.563896157	0.003471
peak_39635	chr3	8955059	8955472	-85351	Intergenic	NM_001014360	zgc:113250	3.820536344	5.384591068	-1.564054724	0.016961
peak_22824	chr23	19374857	19375488	17233	intron (NM_001102675, intron 2 of 2)	NM_001102675	pard6b	6.221401971	7.78545805	-1.564056079	0.000156
peak_25718	chr19	30991093	30991809	-52053	Intergenic	NM_213223	marcksl1b	5.267607534	6.831684236	-1.564076702	0.000499
peak_26331	chr25	142073	143436	-19533	intron (NM_180969_1, intron 1 of 10)	NM_001077771_1	zgc:109782	7.299014011	8.863217359	-1.564203349	0.000617
peak_27883	chr10	21103895	21104253	-316760	Intergenic	NM_200782	kcnip3b	4.655516986	6.219746001	-1.564229014	0.00106
peak_40910	chr2	19605108	19605602	13715	Intergenic	NM_131615	pbx1a	4.766538874	6.330982001	-1.564443127	0.020957
peak_27350	chr24	39005854	39006369	-8670	Intergenic	NM_213008	cluap1	5.345565739	6.910098752	-1.564533013	0.000877
peak_32146	chr4	16118377	16118782	5501	intron (NM_001033585, intron 1 of 14)	NM_001033585	sox5	3.996540512	5.561079221	-1.564538709	0.003536
peak_27070	chr19	8647215	8647699	72063	Intergenic	NM_001128368	si:dkey-266f7.9	5.06068133	6.625404758	-1.564723428	0.000794
peak_33533	chr17	26411027	26411487	35379	Intergenic	NM_001080665	fam149b1	5.161361324	6.726270288	-1.564908964	0.004954
peak_40691	chr5	55532194	55532450	261344	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	3.273336808	4.838408371	-1.565071563	0.020204
peak_35867	chr24	2181246	2181738	-45224	Intergenic	NM_212616	zgc:85789	4.596602092	6.161814913	-1.56521282	0.008317
peak_29475	chr19	48546982	48547324	46791	Intergenic	NM_001012369	ext1b	4.933059868	6.498420195	-1.565360327	0.001743
peak_26986	chr1	6719970	6720438	34277	Intergenic	NM_001013498	eng1b	5.160782694	6.726212347	-1.565429653	0.000776
peak_24678	chr20	19618428	19618869	-1742	Intergenic	NR_030117		5.196066283	6.761629893	-1.565563609	0.000342
peak_28938	chr6	29711493	29711807	-115932	exon (NM_199526, exon 6 of 26)	NM_199862	lrrc40	4.245721053	5.811304372	-1.565583319	0.001484
peak_23646	chr21	6520355	6520940	-187557	Intergenic	NM_001003486	olfm1b	6.437155694	8.002837563	-1.565681869	0.000219
peak_29221	chr17	33038637	33039088	30146	intron (NM_131405, intron 3 of 3)	NM_131405	prox1a	4.543742525	6.109547561	-1.565805036	0.001618
peak_26321	chr5	43563567	43564889	50865	intron (NM_200276, intron 14 of 47)	NM_200276	ncor1	5.917824246	7.483653961	-1.565829715	0.000615
peak_27852	chr7	41772536	41772950	-105440	intron (NM_001128667, intron 11 of 22)	NR_030097		4.400822864	5.966738375	-1.565915511	0.001049
peak_39745	chr12	40492908	40493141	141623	Intergenic	NM_001099246	abca5	2.892054049	4.458174091	-1.566120042	0.017245
peak_34458	chr20	47239711	47240001	62035	Intergenic	NM_001018134	dnmt3aa	3.217566349	4.78371235	-1.566146001	0.006136
peak_21952	chr17	41655015	41656310	76004	Intergenic	NM_199658	insm1b	7.509800523	9.076026739	-1.566226216	0.000107
peak_31459	chr4	18357178	18357849	-241774	intron (NM_182865, intron 19 of 23)	NR_030075		5.061301526	6.627561896	-1.56626037	0.002958
peak_39500	chr3	51076173	51076482	-276461	Intergenic	NM_207063	asf1ba	4.187645218	5.753936692	-1.566291474	0.016633
peak_33581	chr22	36020121	36020522	4977	intron (NM_173274, intron 1 of 2)	NM_173274	dag1	4.736290393	6.302699129	-1.566408736	0.005004
peak_36262	chr5	17194981	17195387	-71315	Intergenic	NM_001003493	suds3	3.59113946	5.157680103	-1.566540644	0.009037
peak_39505	chr3	31718356	31718719	-19043	Intergenic	NM_200658	ccdc43	4.514108747	6.080684362	-1.566575615	0.016646
peak_25642	chr18	7681304	7681984	-14097	Intergenic	NM_001013543	arsa	5.762875827	7.32948461	-1.566608782	0.000486
peak_32049	chr16	38601783	38602220	-208815	Intergenic	NM_001115142	snrnp48	4.503485619	6.070155455	-1.566669835	0.003471
peak_24160	chr14	31983307	31984896	-26423	intron (NM_131860, intron 2 of 8)	NM_194421	hs6st2	6.568794094	8.135500541	-1.566706447	0.000276
peak_30499	chr10	11400941	11401512	37127	intron (NM_201103, intron 10 of 13)	NM_201103	cwc27	5.772986383	7.339898458	-1.566912076	0.002311
peak_43386	chr5	27591034	27591240	-25480	Intergenic	NR_029934		3.399781695	4.966801298	-1.567019602	0.030357
peak_29258	chr17	24223263	24223928	-44094	Intergenic	NM_199969	mdh1b	5.577825217	7.145308107	-1.56748289	0.001643
peak_28709	chr20	40079715	40080301	-265263	Intergenic	NM_001082853	rnf217	5.031322327	6.59881835	-1.567496023	0.001372
peak_24390	chr15	14698155	14698533	-106928	Intergenic	NM_001077141	tada2a	4.923631181	6.491193134	-1.567561953	0.000303
peak_27475	chr18	48346704	48347181	247091	Intergenic	NM_001007334	yif1b	4.618300328	6.185927956	-1.567627627	0.000916
peak_23136	chr24	32834207	32834884	242934	Intergenic	NM_001002229	snx7	6.370273157	7.9379742	-1.567701043	0.000179
peak_32906	chr18	35008481	35008805	4153	intron (NM_001083063, intron 2 of 19)	NM_001083063	capn12	4.071837003	5.63969289	-1.567855887	0.00429
peak_28749	chr22	37040691	37041528	423827	Intergenic	NM_001202416	terf2ip	5.952048106	7.519970385	-1.567922279	0.001395
peak_30913	chr7	22431159	22431867	-10106	Intergenic	NM_001017564	zgc:113025	5.624578824	7.192516052	-1.567937227	0.002561
peak_25707	chr8	5396844	5397448	40200	Intergenic	NM_001012242	bnip3la	5.5833384	7.15128381	-1.56794541	0.000497
peak_28943	chr25	29276046	29276348	127208	Intergenic	NM_001173985	aass	4.30933272	5.877307829	-1.567975109	0.001486
peak_34904	chr19	10207740	10208078	-62829	Intergenic	NM_001020468	ing4	4.159552967	5.72764791	-1.568094943	0.006722
peak_22363	chr7	22856057	22856813	-99549	Intergenic	NM_001077144	tmem88b	6.617180954	8.185367742	-1.568186789	0.000128
peak_38351	chr15	6640137	6640626	-32057	Intergenic	NM_199596	sirt2	4.332498034	5.900718131	-1.568220097	0.013658
peak_33827	chr19	49230151	49230651	-8973	Intergenic	NM_001040330	ext1c	4.452063113	6.020296132	-1.568233019	0.005284
peak_31038	chr11	3323991	3324275	-85	promoter-TSS (NM_213030)	NM_213030	tuba2	3.999292718	5.567603192	-1.568310474	0.002647
peak_43293	chr1	42970272	42970608	308204	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	3.142225818	4.710616377	-1.568390559	0.029951
peak_26531	chr10	21277467	21277821	165632	Intergenic	NM_001201442	avd	4.521841655	6.090243718	-1.568402063	0.00066
peak_23335	chr21	3612202	3613369	76584	Intergenic	NM_175082	smad7	7.738544956	9.306960743	-1.568415787	0.000193
peak_32228	chr25	227907	228284	-15934	intron (NM_001077771_1, intron 2 of 2)	NM_001013455	zgc:114188	5.28070812	6.849212536	-1.568504416	0.003624
peak_26420	chr4	13601566	13601865	-49501	Intergenic	NM_001161600	plxnb2a	4.47306213	6.041757254	-1.568695124	0.000636
peak_28966	chr5	103605	105136	-5392	Intergenic	NM_001034985	dcc	6.011312039	7.580047308	-1.56873527	0.001496
peak_25742	chr17	19185296	19185860	-9930	Intergenic	NM_131017	gsc	4.785044865	6.35386203	-1.568817165	0.000503
peak_31678	chr12	41498418	41498807	1147211	Intergenic	NM_001099246	abca5	3.881650491	5.450588334	-1.568937843	0.003151
peak_29611	chr6	40237033	40237437	45844	Intergenic	NM_001045305	ttll3	4.742052865	6.311156079	-1.569103214	0.001808
peak_25876	chr21	6410407	6410920	-297541	Intergenic	NM_001003486	olfm1b	5.370257652	6.939383339	-1.569125687	0.000527
peak_25945	chr18	32667531	32668315	77896	intron (NM_001014354, intron 1 of 13)	NM_001014354	kcnab1	4.979875451	6.549002083	-1.569126632	0.00054
peak_35549	chr8	40346618	40346956	-447793	Intergenic	NM_001083829	pcsk5b	2.646715745	4.215857602	-1.569141857	0.007751
peak_25419	chr7	55551705	55552282	17468	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	5.687061478	7.256219958	-1.56915848	0.000451
peak_21688	chr17	8197553	8198148	-44911	Intergenic	NM_130961	lft2	6.340659428	7.909908144	-1.569248716	9.35E-05
peak_32910	chr23	1575432	1575874	18547	Intergenic	NM_200432	fbxo30b	4.411253709	5.980566377	-1.569312667	0.004297
peak_34520	chr15	13269549	13269830	126402	Intergenic	NM_199847	fxyd6	3.728799148	5.298134429	-1.569335282	0.006212
peak_41700	chr23	40755405	40755912	54601	Intergenic	NM_199854	rnf146	4.019847667	5.589257615	-1.569409948	0.023625
peak_20884	chr13	47085303	47085966	-45017	Intergenic	NM_001243005	fgfr2	7.581962078	9.151383652	-1.569421574	6.34E-05
peak_27658	chr21	28376175	28376455	23449	intron (NM_001198550, intron 1 of 13)	NM_001198550	ppp3ca	4.334678924	5.904162189	-1.569483265	0.000977
peak_32454	chr24	40798129	40798523	-36208	Intergenic	NM_001037114	nubp2	4.202051377	5.771898458	-1.569847081	0.003844
peak_23625	chr6	44032449	44032991	-57109	intron (NM_001080600, intron 11 of 11)	NM_001012373	rybpb	5.72672478	7.296848036	-1.570123256	0.000217
peak_27674	chr7	44668783	44669121	-22436	Intergenic	NM_213493	dnaja2	4.571801766	6.142078229	-1.570276464	0.000981

peak_27870	chr19	28741278	28741924	-163	promoter-TSS (NM_001020493)	NM_001020493	irx4b	5.99065441	7.561410215	-1.570755805	0.001054
peak_30247	chr11	19021836	19022389	-44491	Intergenic	NM_001079955	dido1	6.34524803	7.916049193	-1.570801163	0.002167
peak_28246	chr12	32696397	32697334	93423	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	5.800557901	7.371365474	-1.570807574	0.001188
peak_28904	chr7	22237802	22238343	103171	intron (NM_131806, intron 2 of 4)	NM_131806	efnb3b	4.956657547	6.527470936	-1.570813388	0.001469
peak_35307	chr14	20952918	20953245	-204770	Intergenic	NM_152963	fmr1	4.127133121	5.698018381	-1.570885261	0.007334
peak_26131	chr8	50355993	50356409	299436	Intergenic	NM_001128254	mfn2	5.031994474	6.603062723	-1.571068249	0.000576
peak_22150	chr15	37576836	37577767	72383	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	6.564141073	8.135221095	-1.571080021	0.000116
peak_32712	chr3	6484998	6485518	-42149	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	5.184625743	6.755707282	-1.571081539	0.004103
peak_23546	chr15	47362436	47363269	47716	Intergenic	NM_001080683	cep57	6.494721185	8.065863648	-1.571142463	0.00021
peak_34569	chr7	45703956	45705260	-11786	Intergenic	NM_001017669	dync1li2	5.963388598	7.534539635	-1.571151038	0.006289
peak_33749	chr18	45837596	45838299	89862	Intergenic	NM_199925	zgc:77304	5.479482569	7.050692511	-1.571209943	0.005204
peak_31854	chr10	11629618	11630198	-103779	Intergenic	NM_001098758	ppwd1	5.15524065	6.726480278	-1.571239628	0.003319
peak_31031	chr1	23716222	23716719	302247	Intergenic	NM_200771	zgc:73273	4.254962771	5.826277211	-1.57131444	0.002642
peak_41609	chr18	43894093	43894400	136891	Intergenic	NM_001039634	wt1b	3.395609492	4.96693269	-1.571323198	0.023328
peak_26133	chr14	1379360	1379851	-37951	Intergenic	NM_001289886	trpc7b	5.672453566	7.243866526	-1.571412959	0.000577
peak_33226	chr11	29860422	29861081	98264	intron (NM_001278321, intron 1 of 9)	NM_001034184	igsf21a	4.903895528	6.475397966	-1.571502437	0.004627
peak_29060	chr5	13331948	13332301	-18126	Intergenic	NM_131660	nos1	4.163239007	5.734953994	-1.571714987	0.001541
peak_38494	chr20	7947732	7948272	185935	Intergenic	NM_001244756	bloc1s2	4.118298658	5.690111232	-1.571812574	0.013976
peak_37610	chr15	17234855	17235232	-51317	Intergenic	NM_001039638	or131-2	4.190056257	5.761955382	-1.571899125	0.01187
peak_40665	chr3	9643187	9643581	-171398	Intergenic	NM_001113625_1	trap1	4.021202373	5.593118657	-1.571916283	0.020122
peak_27275	chr7	34091331	34092612	63571	Intergenic	NM_001005306	slc39a13	6.433060649	8.005015237	-1.571954588	0.000855
peak_31406	chr11	32499710	32500130	65364	Intergenic	NM_001089489	zgc:162816	5.152116443	6.724154845	-1.572038402	0.002918
peak_41656	chr4	47132507	47133349	379134	Intergenic	NM_001113606	zgc:173720	3.275608918	4.847682561	-1.572073643	0.023477
peak_28406	chr5	20150638	20151057	449663	Intergenic	NM_178304	zdhhc8b	4.886118348	6.458201562	-1.572083214	0.001251
peak_31978	chr18	8607857	8608135	-28385	Intergenic	NM_131048	sema3d	4.249193638	5.821281276	-1.572087638	0.00341
peak_25680	chr15	46172898	46173943	-138	promoter-TSS (NM_130973)	NM_130973	chd	7.295783037	8.868012237	-1.5722292	0.000493
peak_30351	chr5	34555725	34556428	13509	intron (NM_177984, intron 2 of 4)	NM_177984	lmo4a	4.537128982	6.10942029	-1.572291308	0.002225
peak_25388	chr9	47924034	47924939	-33373	Intergenic	NM_001126463	igfbp5a	7.733996154	9.306291304	-1.57229515	0.000446
peak_38341	chr20	10012300	10012692	2698	exon (NM_001020738, exon 4 of 7)	NM_001020738	stxbp6l	4.902426009	6.474804349	-1.57237834	0.013625
peak_38775	chr4	5800046	5800393	78741	Intergenic	NM_001159823	lyrm5a	2.972850631	4.545265514	-1.572414883	0.014683
peak_43724	chr12	2566209	2566507	220904	Intergenic	NM_131721	mapk8b	3.948848306	5.521288709	-1.572440403	0.031853
peak_26146	chr23	2024460	2024784	34500	intron (NM_001002301, intron 10 of 15)	NM_001002301	prdm5	4.392472402	5.964956327	-1.572483925	0.000579
peak_37833	chr10	39290883	39291139	-25	promoter-TSS (NM_001202415)	NM_001202415	bhlha9	2.886118348	4.458622321	-1.572503973	0.012362
peak_32643	chr21	13246502	13246781	-212270	Intergenic	NM_001008603	pus1	3.688341143	5.260928514	-1.572587371	0.004026
peak_33414	chr25	12326606	12326975	212058	intron (NM_001256664, intron 11 of 16)	NM_001256664	ntrk3a	3.68663467	5.259231407	-1.572596737	0.004835
peak_28241	chr24	8528794	8529828	1303	intron (NM_176859, intron 1 of 6)	NM_176859	tfap2a	6.560898102	8.133517457	-1.572619355	0.001187
peak_37282	chr24	4168958	4169190	57518	Intergenic	NM_201461	klf6a	3.751925757	5.324771894	-1.572846137	0.011182
peak_43087	chr15	8855056	8855503	-47745	Intergenic	NM_213155	ap2s1	3.576470503	5.149407731	-1.572937228	0.028954
peak_24417	chr25	2572849	2573866	-34751	Intergenic	NM_001077466	bbs4	6.849332227	8.422297206	-1.572964979	0.000306
peak_24680	chr14	38868902	38869831	662467	Intergenic	NM_001048055	lect2l	6.759227137	8.332200788	-1.572973651	0.000342
peak_28172	chr21	36475152	36475680	44411	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	5.930157201	7.503229999	-1.573072798	0.001165
peak_24712	chr11	929306	929784	-35694	intron (NM_212882_3, intron 7 of 8)	NM_001042731	hrh1	5.403972161	6.977159806	-1.573187645	0.000346
peak_27738	chr18	7554684	7555125	-140837	Intergenic	NM_001013543	arsa	4.811952101	6.385230546	-1.573278445	0.001007
peak_30275	chr8	236999	237526	31527	intron (NM_199992, intron 1 of 19)	NM_199992	sema6a	4.751061931	6.32434485	-1.573282919	0.002178
peak_25863	chr23	38986610	38987289	-59119	Intergenic	NM_001080609	sall4	4.889089251	6.462430585	-1.573341333	0.000524
peak_23747	chr12	49683746	49684523	116	5' UTR (NM_198815, exon 1 of 6)	NM_198815	scd	7.586672445	9.160022466	-1.573350021	0.00023
peak_27324	chr16	52508716	52509134	461297	Intergenic	NM_001110524	brd2b	5.002039684	6.575402055	-1.573362371	0.000868
peak_28567	chr5	3392592	3393110	-125611	Intergenic	NM_213022	ywhag1	4.945242996	6.518743166	-1.57350017	0.001318
peak_27660	chr10	39488287	39488716	-49591	Intergenic	NR_030051		4.720483721	6.294081942	-1.573598221	0.000977
peak_30142	chr20	30844431	30844953	82163	Intergenic	NM_200198	hebp2	4.615612369	6.189270831	-1.573658463	0.002108
peak_24065	chr19	43228239	43228896	-8910	Intergenic	NM_001044975	gatad2b	6.743900211	8.317560975	-1.573660763	0.000264
peak_25210	chr13	34282383	34283452	-231282	intron (NM_200549, intron 5 of 19)	NM_001256646	flrt3	6.120493916	7.694292482	-1.573798566	0.000417
peak_28874	chr14	38482956	38483311	276234	Intergenic	NM_001048055	lect2l	4.026608515	5.600508243	-1.573899729	0.001454
peak_38450	chr9	14754853	14755324	25978	intron (NM_212966, intron 2 of 16)	NM_212966	nrp2b	3.641439946	5.215386492	-1.573946546	0.013881
peak_38746	chr3	44723432	44723745	67850	intron (NM_001080589, intron 1 of 1)	NM_001080589	hs3st4	3.868163296	5.442139201	-1.573975905	0.014586
peak_34404	chr13	18923225	18923541	-39132	Intergenic	NM_001145606	lzts2a	4.318177022	5.892282567	-1.574105545	0.006062
peak_24219	chr4	3897012	3897505	44537	Intergenic	NM_001144049	gpr37b	5.507385829	7.08166745	-1.57428162	0.000283
peak_25510	chr8	4495771	4496415	-47228	Intergenic	NM_001040045	myl2b	5.878268689	7.452629543	-1.574360854	0.000464
peak_37724	chr16	5386457	5386841	89166	Intergenic	NM_201200	ppp1r8b	3.399781695	4.974173854	-1.574392158	0.012095
peak_26134	chr9	56283391	56284205	8922	intron (NM_001002457, intron 1 of 11)	NM_001002457	egfl6	5.199061934	6.773472184	-1.57441025	0.000577
peak_22162	chr12	23576170	23577172	16747	Intergenic	NM_001006087	ormdl3	6.485903181	8.060373994	-1.574470813	0.000117
peak_40933	chr25	29123982	29124605	-15319	Intergenic	NM_001114348	fezf1	4.72962806	6.304164701	-1.574536641	0.021082
peak_40167	chr6	4472153	4472791	40272	Intergenic	NM_201285	pou4f1	5.278477079	6.853055799	-1.57457872	0.018516
peak_32256	chr8	9674719	9675044	156623	Intergenic	NM_200092	bcap31	3.733765494	5.308427899	-1.574662404	0.00365
peak_33194	chr25	8752019	8752457	7129	Intergenic	NR_029997		4.063971374	5.638720796	-1.574749421	0.004594
peak_33423	chr16	41086759	41087104	27393	Intergenic	NM_001098249	si:ch211-149p10.	4.483968127	6.05872812	-1.574759993	0.004842
peak_27849	chr15	25227891	25228266	-4175	Intergenic	NR_030247		4.989636937	6.56444978	-1.574812843	0.001047
peak_31704	chr7	43893194	43893576	3533	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	3.999292718	5.574112474	-1.574819756	0.003175
peak_22440	chr10	35455783	35456655	-257071	Intergenic	NM_001013500	nbeaa	6.699209745	8.274234056	-1.575024311	0.000132
peak_38938	chr8	40314399	40315830	-416120	Intergenic	NM_001083829	pcsk5b	3.022555809	4.59758622	-1.575030411	0.015095
peak_29823	chr18	6571585	6574307	-15246	Intergenic	NM_201328	pak1	7.08977761	8.664889564	-1.575111954	0.001927
peak_30780	chr23	8685501	8685854	-100434	Intergenic	NM_001130639	rgs19	4.063971374	5.639103134	-1.575131759	0.002473
peak_31971	chr24	11570074	11570799	23271	intron (NM_205728, intron 1 of 14)	NM_205728	gli3	5.498630944	7.073881605	-1.575250661	0.003406
peak_31233	chr12	29325431	29325722	218318	Intergenic	NM_131425	etv4	3.887604564	5.462881239	-1.575276675	0.00279
peak_23494	chr7	69987894	69988328	184881	Intergenic	NM_200876	dhx38	5.36599906	6.941320583	-1.575321524	0.000206
peak_28681	chr5	37021518	37021892	5062	Intergenic	NM_001128367	ptger4b	4.872629271	6.447984056	-1.575354785	0.001362
peak_25688	chr11	28377672	28378179	-628	promoter-TSS (NM_001025540)	NM_001025540	wnt7aa	5.026608515	6.602076383	-1.575467868	0.000493
peak_29887	chr20	18584413	18584826	23065	intron (NM_001045125, intron 1 of 35)	NM_001045125	cdc42bpb	4.953822712	6.529772558	-1.575949847	0.00196
peak_26570	chr7	56194270	56195211	-12185	Intergenic	NM_131820	cdh1	6.81743208	8.393382601	-1.575950521	0.000667
peak_23038	chr13	9819668	9820163	6664	Intergenic	NM_131362	six3a	5.460105758	7.036170611	-1.576064853	0.000172
peak_29735	chr19	32031655	32031997	13576	intron (NM_001044774, intron 1 of 10)	NM_001044774	trit1	4.567171977	6.143304149	-1.576132172	0.001881
peak_21930	chr6	2166222	2166688	55226	intron (NM_001083853, intron 2 of 9)	NM_207083	med8	6.784036073	8.360221891	-1.576185818	0.000106
peak_29587	chr12	4273537	4273849	38391	Intergenic	NM_001089362	vps25	3.804890439	5.381273223	-1.576382784	0.001799
peak_30574	chr2	17604597	17604936	-4985	Intergenic	NM_001083576	ptprfb	4.160782694	5.73716752	-1.576384827	0.002353
peak_29166	chr18	41616755	41617347	95770	Intergenic	NM_001167569_1	pvrl1b	4.745335402	6.321812142	-1.57647674	0.001593
peak_27091	chr16	51915260	51915799	-34670	Intergenic	NM_131612	pbx2	6.065285294	7.641811009	-1.576525715	0.000802
peak_32857	chr3	43297787	43298193	-57071	Intergenic	NM_200517	zfand2a	4.50838037	6.085039215	-1.576658844	0.004229
peak_28306	chr18	17588132	17588610	-71684	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	5.137788458	6.714457596	-1.576669138	0.001212
peak_32124	chr8	45807913	45808303	-29902	Intergenic	NM_130917	fzd10	4.206821638	5.783639341	-1.576817703	0.003522
peak_36842	chr20	2423740	2424603	164804	Intergenic	NM_001044800	tmem200a	4.997269214	6.57411415	-1.576844936	0.010212
peak_26141	chr24	21901067	21901710	-33991	Intergenic	NM_001005393	boc	5.827179997	7.40409877	-1.576918772	0.000578
peak_34587	chr7	31526353	31526809	-403	promoter-TSS (NR_030243)	NR_030243		4.954490577	6.531425954	-1.576935377	0.006307
peak_32604	chr7	68067318	68067883	-89170	Intergenic	NM_178300	arntl1b	4.792997377	6.369933951	-1.576936574	0.003981
peak_26237	chr18	42935424	42936276	7688	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	6.506418819	8.083453763	-1.577034944	0.000597
peak_28415	chr17	8492364	8492866	26141	intron (NM_131715, intron 1 of 8)	NM_001195491	ctbp2a	5.489822607	7.066864269	-1.577041662	0.001256
peak_26462	chr16	40613701	40614104	-189537	Intergenic	NM_200570	selenbp1	4.397697102	5.97499097	-1.577293868	0.000642
peak_31346	chr19	32185946	32186381	-36175	Intergenic	NM_001083090	si:ch211-194e15.	4.671184896	6.248502539	-1.577317643	0.002877
peak_28389	chr2	25219588	25220219	-306724	Intergenic	NM_001159832	fndc3ba	5.480960159	7.058305232	-1.577345072	0.001243
peak_28716	chr3	36078270	36078706	35984	Intergenic	NM_001002533	rab11fip4a	4.448039606	6.025413429	-1.577373823	0.001375
peak_33823	chr3	20090965	20091367	-83539	Intergenic	NM_194417	sepw2a	5.105508899	6.682898305	-1.577389406	0.005281
peak_25895	chr12	38211660	38212199	-31985	Intergenic	NM_001003874_1	chmp6b	5.045410894	6.622851594	-1.5774407	0.000532
peak_22742	chr19	42530070	42530773	-39572	Intergenic	NM_001013293	chrac1	6.761469811	8.339016908	-1.577547097	0.00015
peak_29960	chr2	41058220	41058796	-102916	Intergenic	NM_001020508	hs6st1a	4.478989702	6.056754314	-1.577764612	0.002006
peak_26308	chr11	40483023	40483725	-46812	Intergenic	NM_001040387	wnt4a	4.497658046	6.075605596	-1.57794755	0.000611
peak_27684	chr25	29018142	29018573	-121255	Intergenic	NM_001114348	fezf1	4.609320918	6.187285507	-1.577964589	0.000985

peak_30637	chr11	36728499	36729305	-124856	Intergenic	NM_212679	bhlhe40	4.953781325	6.531926114	-1.578144789	0.002389
peak_30211	chr5	3550242	3550657	31987	intron (NM_213022, intron 1 of 1)	NM_213022	ywhag1	4.837597958	6.415868603	-1.578270645	0.002151
peak_23846	chr7	9429167	9429745	79462	intron (NM_001020496, intron 1 of 4)	NM_001110408	zgc:172260	5.595238372	7.173613848	-1.578375476	0.000242
peak_30506	chr19	15285004	15285725	2081	exon (NM_001044982, exon 2 of 2)	NM_001044982	cited4a	5.554101667	7.132520248	-1.578418581	0.002314
peak_27093	chr15	30434403	30434942	40150	Intergenic	NM_199633	wsb1	5.986132253	7.564690074	-1.57855782	0.000802
peak_24843	chr1	46186604	46187378	35712	Intergenic	NM_001089578	si:ch211-214c7.5	6.522334054	8.100977126	-1.578643072	0.000365
peak_34873	chr10	43874133	43874499	10498	intron (NM_199739, intron 4 of 6)	NM_199739	march5l	3.291414275	4.870127923	-1.578713648	0.006674
peak_30752	chr22	35203427	35203791	151969	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	4.462131255	6.040872648	-1.578741393	0.002458
peak_31795	chr15	40943496	40943913	-132653	Intergenic	NM_001007768	farsb	5.187645218	6.766395668	-1.57875045	0.00326
peak_23979	chr21	9291192	9291785	-96	promoter-TSS (NM_131227)	NM_131227	rx3	6.378752724	7.957970625	-1.579217902	0.000255
peak_39144	chr24	43811364	43811852	1951	exon (NM_213536, exon 2 of 3)	NM_213536	zbtb14	4.041371788	5.620635723	-1.579263935	0.01567
peak_33760	chr3	48983233	48983806	-398011	Intergenic	NM_001110108	fn3krp	4.879411363	6.458680949	-1.579269586	0.005215
peak_25345	chr19	1901428	1902749	35087	intron (NM_198819, intron 2 of 28)	NM_198819	ptk2aa	7.505202084	9.084575069	-1.579372985	0.000439
peak_38519	chr15	29001025	29001868	-65763	Intergenic	NM_001128669	samsn1a	3.350931353	4.930347833	-1.57941648	0.014039
peak_42642	chr6	14389878	14390251	-187156	Intergenic	NM_001128547	inpp4ab	3.806462687	5.385929587	-1.5794669	0.027016
peak_26783	chr5	33775295	33775857	-3921	Intergenic	NM_205693	tescb	5.678501244	7.258066131	-1.579564886	0.000723
peak_23760	chr6	30497244	30498687	101796	Intergenic	NM_001037669	insl5a	7.70999708	9.289590529	-1.57959345	0.000232
peak_31951	chr5	6336039	6336392	-65248	Intergenic	NM_205570	zgc:73226	3.436916749	5.016517134	-1.579600385	0.003384
peak_29785	chr7	17189925	17190314	75905	intron (NM_001017735, intron 4 of 6)	NM_001017735	mpped2a	4.694347495	6.274084748	-1.579737253	0.001911
peak_23324	chr13	10577407	10578637	42213	Intergenic	NM_200480	dync2li1	7.072663407	8.652404812	-1.579741405	0.000192
peak_32368	chr18	46508622	46509163	-111606	Intergenic	NM_001037706	smtla	4.587486179	6.167461172	-1.579974992	0.003756
peak_25055	chr23	9881595	9882219	-6318	Intergenic	NM_001039171	lama5	6.078703402	7.658683578	-1.579980176	0.000396
peak_33056	chr10	37287756	37288154	15354	Intergenic	NM_001076594	smyd4	4.096540606	5.676808025	-1.580267419	0.004456
peak_28527	chr15	35010679	35011420	-189885	Intergenic	NM_001017614	rhbdd1	4.905363553	6.486033748	-1.580670196	0.0013
peak_25595	chr7	17766810	17767216	36233	Intergenic	NM_131158	dbx1a	5.432821025	7.013581467	-1.580760442	0.000479
peak_26038	chr8	28867200	28867709	-51563	Intergenic	NM_199802	kcnd3	5.06002242	6.640849916	-1.580827496	0.000558
peak_39566	chr3	16888274	16888668	139229	intron (NM_194387, intron 2 of 21)	NM_194387	stat5.1	4.273270479	5.854263265	-1.580992787	0.016798
peak_22496	chr24	73983	74848	29402	Intergenic	NM_001045561	zgc:152808	6.024901573	7.606058453	-1.58115688	0.000135
peak_30262	chr3	16391669	16391991	9366	Intergenic	NM_001045368	tmem86b	3.636144784	5.217416847	-1.581272062	0.002174
peak_38271	chr1	47956615	47956999	-56	promoter-TSS (NM_001017860)	NM_001017860	fstl1a	4.280142431	5.861451368	-1.581308937	0.013427
peak_23849	chr11	42423264	42423740	-51787	intron (NM_131332_1, intron 3 of 3)	NM_131332	pax7a	5.445519203	7.026900762	-1.581381558	0.000242
peak_27106	chr5	23565298	23565734	106051	Intergenic	NM_001099997	LOC559803	4.632603848	6.214046887	-1.581443039	0.000807
peak_24351	chr8	17724589	17725243	20904	Intergenic	NM_001003556	dimt1l	5.850274162	7.43173657	-1.581462409	0.000299
peak_27037	chr20	14667633	14668197	-36329	Intergenic	NM_200403	tmed5	5.917824246	7.499317732	-1.581493486	0.000787
peak_24071	chr15	34864714	34865384	315423	Intergenic	NM_001080189_1	zgc:158328	6.260152074	7.841694635	-1.581542561	0.000265
peak_26116	chr16	52751153	52751838	299136	Intergenic	NM_001201489	efhb	6.303204414	7.885012877	-1.581808463	0.000572
peak_26988	chr24	4147797	4148194	78597	Intergenic	NM_201461	klf6a	5.421549829	7.003440686	-1.581890857	0.000776
peak_35162	chr17	3986277	3986566	22343	intron (NM_001020655, intron 9 of 9)	NM_131359	bmp2a	3.712120089	5.294166579	-1.58204649	0.007136
peak_22880	chr15	40532103	40532856	190879	Intergenic	NM_001002430	pxylp1	6.295371368	7.877496712	-1.582125345	0.000159
peak_40011	chr10	32439013	32439431	13974	intron (NM_131482, intron 1 of 26)	NM_131482	robo3	3.738714804	5.320947649	-1.582232845	0.018051
peak_33738	chr9	30692957	30693467	-7292	Intergenic	NR_030004		4.950271315	6.532528442	-1.582257127	0.005195
peak_29121	chr24	36404549	36404996	-273649	Intergenic	NM_001030067	pcmtd1	5.639261725	7.221622648	-1.582360923	0.001571
peak_41497	chr8	12325252	12325554	-37881	Intergenic	NM_001113585	anapc7	2.877168754	4.459632532	-1.582463778	0.022908
peak_31889	chr19	32204198	32204689	48273	Intergenic	NM_212595	rbb4	5.006190262	6.588668311	-1.582478049	0.003341
peak_35424	chr21	23878360	23878793	-65414	Intergenic	NM_001004630	sc5d	4.423600265	6.006258528	-1.582658263	0.007536
peak_29150	chr1	43900988	43901406	165875	Intergenic	NM_001002577	suclg1	4.551263923	6.13393151	-1.582667587	0.001585
peak_37223	chr21	1593146	1593461	-315848	Intergenic	NM_205605	wdr91	3.665997984	5.248936882	-1.582938897	0.011049
peak_29680	chr18	30611027	30611483	98987	Intergenic	NM_001002622	irf8	3.958780025	5.541744749	-1.582964724	0.001853
peak_29035	chr2	3493976	3494312	-18019	Intergenic	NM_201452	arf1	4.274473311	5.857708913	-1.583235603	0.001526
peak_26169	chr13	35856506	35857252	-107622	Intergenic	NM_199794	memo1	4.812734601	6.395974352	-1.583239751	0.000584
peak_21122	chr21	3357687	3358271	-158038	Intergenic	NM_213302	hnrnpabb	6.979875451	8.563340782	-1.583465331	7.12E-05
peak_26201	chr25	5930641	5931380	88557	intron (NM_001197316, intron 2 of 24)	NM_001197316	plxnb2b	5.913775826	7.497379977	-1.583604151	0.00059
peak_26466	chr1	26450122	26450900	-324343	Intergenic	NM_001045258	pspc1	6.955584803	8.539228821	-1.583644018	0.000643
peak_28318	chr20	1896560	1897238	127876	intron (NM_001278799, intron 12 of 49)	NM_001278799	lama2	5.13528839	6.719133453	-1.583845063	0.00122
peak_28722	chr19	43172712	43173152	-64545	Intergenic	NM_001044975	gatad2b	5.638794795	7.222937359	-1.584142564	0.001377
peak_28504	chr9	24353644	24354411	37799	Intergenic	NM_213248	arl4cb	6.657247936	8.24142183	-1.584173894	0.001292
peak_35992	chr24	6354085	6354895	-10778	Intergenic	NM_205579	myo3a	5.570387396	7.154588858	-1.584201462	0.008515
peak_36775	chr6	51334752	51335163	189837	Intergenic	NM_001130610	rbl1	4.723815645	6.308373871	-1.584558226	0.010074
peak_23866	chr8	2107862	2109266	86444	Intergenic	NM_001256256	snap29	7.211916077	8.796866748	-1.584950671	0.000244
peak_43879	chr10	37243462	37243958	3264	exon (NM_199555, exon 3 of 5)	NM_199555	hmgb1a	4.412286634	5.997357093	-1.585070459	0.032476
peak_27861	chr6	3967370	3967833	-99267	Intergenic	NM_200247	unc50	5.221107285	6.806205022	-1.585097737	0.001051
peak_28930	chr24	7532602	7533082	-97525	Intergenic	NM_001089556	actr3b	5.573649529	7.158845255	-1.585195727	0.001481
peak_21498	chr14	31996553	31997299	24101	intron (NM_131860, intron 1 of 8)	NM_131860	gpc4	7.488000991	9.073292818	-1.585291826	8.52E-05
peak_22146	chr12	36734247	36735071	-130167	Intergenic	NM_200770	fscn2b	8.098056583	9.683373512	-1.585316929	0.000116
peak_37841	chr16	50877742	50878139	238366	Intergenic	NM_001013336	slc25a32b	3.490829325	5.076191243	-1.585361918	0.012395
peak_43560	chr12	48670950	48671261	89296	Intergenic	NM_001017704	grem2	2.329220506	3.914677105	-1.5854566	0.031041
peak_21017	chr15	4372480	4373216	14244	intron (NM_198208, intron 1 of 13)	NM_198208	tfdp2	6.93700227	8.522524025	-1.585521755	6.77E-05
peak_39733	chr20	46051869	46052493	12823	Intergenic	NM_001083076	taar14j	2.555944961	4.141671856	-1.585726895	0.017225
peak_39504	chr24	5071316	5071740	13593	Intergenic	NM_001076612	zic4	4.328062482	5.913978126	-1.585915644	0.016645
peak_34564	chr14	53457921	53458383	40005	Intergenic	NM_198357	tcerg1a	3.210458296	4.796508939	-1.586050642	0.006279
peak_22454	chr18	17644496	17645608	-15003	intron (NM_001080030, intron 7 of 7)	NM_001080164	si:ch211-212o1.2	7.433711467	9.01983997	-1.586128503	0.000133
peak_26501	chr17	41649931	41650390	70502	Intergenic	NM_199658	insm1b	5.132783983	6.719034189	-1.586250206	0.000653
peak_26664	chr22	38798978	38799514	407601	Intergenic	NM_001113587	hykk.2	6.027600254	7.613901749	-1.586301495	0.000691
peak_23001	chr13	19898645	19899553	29342	intron (NM_001002536, intron 5 of 6)	NM_001002536	fam204a	6.826792699	8.41327019	-1.586477492	0.00017
peak_27690	chr2	54793771	54794177	185612	Intergenic	NM_001002469_1	napg	4.638794795	6.225340908	-1.586546113	0.000988
peak_28497	chr19	5379626	5380095	83363	Intergenic	NM_001128549	LOC799704	5.191260267	6.777910958	-1.586650691	0.001288
peak_32393	chr24	20381758	20382164	-114457	Intergenic	NM_199619	csrnp1b	5.11124493	6.697996863	-1.586751933	0.003784
peak_42601	chr11	10820606	10821348	93885	Intergenic	NM_001083573	psmd14	4.956616242	6.543672856	-1.587056614	0.026864
peak_27659	chr1	46744931	46745406	53728	Intergenic	NM_001037662	sox1b	4.820581735	6.407970209	-1.587388474	0.000977
peak_22257	chr19	26425116	26425865	-31175	Intergenic	NM_001202459	jarid2b	7.656382721	9.24388963	-1.587506909	0.000122
peak_30525	chr9	58116818	58117567	2415	exon (NM_200417, exon 2 of 9)	NM_200417	gpr39	5.629472474	7.217065823	-1.587593349	0.002323
peak_32018	chr10	11437170	11437532	73252	intron (NM_201103, intron 11 of 13)	NM_201103	cwc27	3.85293938	5.440764092	-1.587824712	0.003444
peak_26851	chr19	38208368	38208890	-458815	Intergenic	NM_001007288	cx30.9	4.475040695	6.062934852	-1.587894157	0.000741
peak_43466	chr3	27171186	27171464	-7575	Intergenic	NM_001004119	emp2	3.822091642	5.410264009	-1.588172367	0.030654
peak_31362	chr8	16881212	16881679	44395	intron (NM_212973, intron 7 of 18)	NM_212973	faf1	4.37873731	5.967071892	-1.588334582	0.002892
peak_26870	chr23	17461925	17462683	-63459	intron (NM_001080652, intron 2 of 7)	NM_001136250	zgc:194282	5.72170979	7.310055417	-1.588345627	0.000745
peak_30382	chr12	9314297	9314619	-9484	Intergenic	NM_001002613	nrbf2b	4.511275524	6.099810319	-1.588534795	0.002238
peak_28675	chr12	37885101	37885927	169903	Intergenic	NM_001110465	dnai2a	6.093324086	7.681920677	-1.588596591	0.00136
peak_23016	chr17	6513687	6515127	-15056	Intergenic	NM_001199767	lace1a	5.71377226	7.302390672	-1.588618412	0.00017
peak_41385	chr7	51054829	51055179	53186	Intergenic	NM_001020629	hrasb	4.109335453	5.698270504	-1.588935051	0.022581
peak_21489	chr17	5786359	5787304	37503	intron (NM_001008642, intron 19 of 19)	NM_001128782	zgc:194275	6.775620888	8.364714991	-1.589094103	8.48E-05
peak_41501	chr17	35300750	35301086	36764	intron (NM_001045207, intron 1 of 27)	NM_001045207	asap2a	3.707078536	5.296381786	-1.589303249	0.02292
peak_26361	chr3	60226790	60227287	37336	Intergenic	NM_001113799	zmp:000000068	4.639677051	6.229087569	-1.589410518	0.000623
peak_30633	chr16	40760714	40761081	-42542	Intergenic	NM_200570	selenbp1	4.388278976	5.977749724	-1.589470748	0.002387
peak_32701	chr23	37215980	37216376	-4672	Intergenic	NM_001128715	zgc:193690	3.760062422	5.349653423	-1.589591001	0.00409
peak_34854	chr5	69700217	69700986	44646	Intergenic	NM_001013309	htatip	4.73953804	6.329254394	-1.589716353	0.006639
peak_28823	chr9	11811000	11811392	2939	TTS (NM_001003508)	NM_001003508	cdk5r2b	4.877873056	6.467656915	-1.589783859	0.001429
peak_23168	chr4	15532776	15533482	-58221	Intergenic	NM_131697	dcn	6.91708612	8.506876624	-1.589790504	0.000181
peak_37243	chr19	39825687	39826323	142467	Intergenic	NM_001044795	smap2	4.265356126	5.855173541	-1.589817415	0.011103
peak_31196	chr16	14215494	14216031	47280	Intergenic	NM_001282092	cox6b2	3.960193277	5.550048649	-1.589855372	0.002755
peak_22861	chr14	51962829	51963904	-7326	intron (NM_001017782_1, intron 14 of 17)	NM_001123045	tspan17	8.021102929	9.610972652	-1.589869723	0.000158
peak_31675	chr12	38143792	38144119	35989	Intergenic	NM_001003874_1	chmp6b	3.881650491	5.471521925	-1.589871434	0.003149
peak_24153	chr3	28810262	28810906	5826	intron (NM_001201336, intron 1 of 5)	NM_001201336	fbxl16	6.029284369	7.619292168	-1.590007798	0.000275
peak_29552	chr21	6903513	6903819	-192945	Intergenic	NM_001003459	crhbp	3.761684263	5.351703807	-1.590019544	0.00179
peak_31652	chr18	13523923	13524517	336651	Intergenic	NM_001089503	mlycd	4.716307966	6.306387568	-1.590079602	0.003126

peak_32331	chr10	42269000	42269319	36249	intron (NM_001039812, intron 6 of 19)	NM_001039812	bmp1b	3.554074368	5.144285982	-1.590211614	0.003722
peak_32072	chr15	43876942	43877301	-19145	Intergenic	NR_023326		4.302663728	5.892894337	-1.590230609	0.00349
peak_38881	chr3	21671494	21671791	-76182	Intergenic	NM_001003857	itga2b	3.346615242	4.936949989	-1.590334747	0.014949
peak_38893	chr4	19254197	19254727	645	intron (NM_131900, intron 1 of 46)	NM_131900	cacna1c	4.27219941	5.862545722	-1.590346312	0.014968
peak_26861	chr14	53237507	53238430	-52503	Intergenic	NM_001020587		5.139660669	6.730151498	-1.590490829	0.000743
peak_33780	chr4	20993530	20993831	149881	intron (NM_001045111, intron 1 of 28)	NM_001045111	ppfia2	3.455073397	5.045891853	-1.590818456	0.005238
peak_28180	chr9	43780326	43780772	-11102	Intergenic	NM_001145782	col5a2a	4.346615242	5.937443607	-1.590828364	0.001169
peak_23538	chr12	28722589	28723670	-4897	Intergenic	NM_001080011	skap1	7.711441901	9.302319858	-1.590877957	0.00021
peak_32691	chr1	13873488	13873844	-69694	Intergenic	NM_001076622	itln1	3.634375402	5.225289439	-1.590914036	0.004078
peak_40960	chr21	36273711	36274075	78817	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	4.441983226	6.032995906	-1.59101268	0.021148
peak_24252	chr14	41477236	41478229	216902	Intergenic	NM_001127519	pcdh19	7.144202377	8.735341133	-1.591138756	0.000287
peak_32806	chr19	6376280	6376717	-53923	Intergenic	NM_001177451	zgc:174904	5.025219491	6.61660432	-1.591384829	0.004181
peak_25126	chr18	44719375	44719829	42861	Intergenic	NM_131299	foxa3	5.777024883	7.368412304	-1.591387421	0.000406
peak_31812	chr10	5364320	5364911	-53030	Intergenic	NM_001004120	nfil3	5.104231123	6.695626691	-1.591395568	0.003277
peak_29409	chr18	39129458	39129900	51493	Intergenic	NM_001017582	snrpd2	4.523754484	6.11521824	-1.591463756	0.00171
peak_39921	chr6	44503274	44503793	-170251	Intergenic	NM_001256392	pdzrn3b	4.152152513	5.743710273	-1.591557759	0.017783
peak_28761	chr25	23406644	23407106	39582	intron (NM_001039929, intron 15 of 20)	NM_001039929	ush1c	4.918551392	6.510131296	-1.591579904	0.0014
peak_30621	chr3	9071800	9072341	22071	Intergenic	NM_131836_1	sim2	4.797794041	6.389410606	-1.591616565	0.002381
peak_28996	chr16	4340532	4340926	213689	Intergenic	NM_200701	wdr21	4.846075989	6.437722892	-1.591646903	0.001509
peak_22885	chr18	35631212	35631825	31882	intron (NM_001139480, intron 6 of 7)	NM_212775	tbcb	6.131530147	7.723480329	-1.591950182	0.00016
peak_31067	chr17	17914403	17915342	-33252	Intergenic	NM_001099260	bcl11ba	5.410189882	7.00217873	-1.591988848	0.002662
peak_31239	chr16	5607741	5608361	-23336	Intergenic	NM_199216	cyp4t8	5.380911023	6.972982496	-1.592071473	0.0028
peak_27538	chr4	10304963	10305766	67746	Intergenic	NM_001045037	tspan11	6.112235804	7.70434247	-1.592106666	0.000938
peak_21951	chr24	9092092	9093970	1617	intron (NM_199567, intron 1 of 2)	NM_199567	tgif1	8.058441867	9.650592564	-1.592150696	0.000107
peak_35200	chr9	37517487	37518006	458951	Intergenic	NM_001003649	ralba	4.919962219	6.512123483	-1.592161264	0.007186
peak_39693	chr7	47417141	47417495	-155972	Intergenic	NM_001020749	pop4	4.242172313	5.834437769	-1.592265456	0.017127
peak_22442	chr6	27698496	27699081	-1457	Intergenic	NM_001080177	amotl2a	7.083278677	8.675620917	-1.59234224	0.000132
peak_40998	chr24	23973159	23973631	305937	Intergenic	NM_001075111	hnf4g	4.132157201	5.724579166	-1.592421965	0.021282
peak_31508	chr7	30245407	30245961	-102899	Intergenic	NM_198826	dnaaf1	5.071221321	6.663665154	-1.592443832	0.003003
peak_27281	chr5	51453378	51454145	-73812	Intergenic	NM_131180	nr2f1a	5.394564553	6.987053004	-1.592488451	0.000855
peak_22884	chr15	8884983	8886030	-17518	Intergenic	NM_213155	ap2s1	6.077420646	7.669981243	-1.592560597	0.00016
peak_33432	chr21	43814374	43814724	102538	intron (NM_001012389, intron 2 of 10)	NM_001001404	vdac1	3.350931353	4.943788657	-1.592857304	0.004855
peak_32245	chr16	50827744	50828114	188355	Intergenic	NM_001013336	slc25a32b	3.84531137	5.438170344	-1.592858973	0.003639
peak_27734	chr11	40684989	40685536	-248700	Intergenic	NM_001040387	wnt4a	5.989596566	7.582476759	-1.592880194	0.001004
peak_34180	chr24	40364330	40364850	-34100	Intergenic	NM_130992	nog2	5.753485441	7.346392478	-1.592907037	0.005736
peak_30419	chr25	33608461	33608785	99006	intron (NM_001123047, intron 21 of 29)	NM_001123047	scaper	4.28916694	5.882259163	-1.593092222	0.002264
peak_31174	chr16	38739848	38740531	-347003	Intergenic	NM_001115142	snrnp48	4.956657547	6.549778643	-1.593121096	0.002737
peak_34388	chr4	19953726	19954083	-188068	Intergenic	NM_001002463	syt1a	3.951692923	5.5449178	-1.593224877	0.006028
peak_35378	chr22	35040133	35040455	-1307	3' UTR (NM_001076629, exon 4 of 4)	NM_001114590	rbm15b	3.540911861	5.134189718	-1.593277857	0.007461
peak_26710	chr14	51957678	51958328	-1963	intron (NM_001017782_1, intron 14 of 17)	NM_001123045	tspan17	5.496684491	7.08998365	-1.593299158	0.000703
peak_33061	chr12	37820289	37820709	104888	Intergenic	NM_001110465	dnai2a	3.723815645	5.317135721	-1.593320076	0.004463
peak_39748	chr9	37086529	37087016	132183	Intergenic	NM_131690	atp1a1b	4.397697102	5.991090401	-1.593393299	0.017247
peak_28776	chr11	42940189	42940513	-3684	Intergenic	NM_001002369	akr7a3	4.48887231	6.08229384	-1.59342153	0.001407
peak_22743	chr9	9883341	9884917	8527	intron (NM_131381, intron 1 of 11)	NM_131381	gsk3b	7.148720793	8.742225825	-1.593505032	0.00015
peak_31595	chr23	14760883	14761281	120370	Intergenic	NM_001006104	gss	5.242820832	6.836332002	-1.59351117	0.00308
peak_23170	chr24	43464954	43465710	15083	intron (NM_001034986, intron 3 of 52)	NM_001034986	lama1	6.588843919	8.182405727	-1.593561808	0.000181
peak_23267	chr7	9462777	9463557	55545	intron (NM_001020496, intron 1 of 4)	NM_001024426	tex261	6.819196798	8.412819809	-1.593623012	0.000188
peak_23563	chr7	55173627	55174180	-51693	intron (NM_001008635, intron 4 of 11)	NM_200845	rps17	5.355802914	6.949557091	-1.593754177	0.000212
peak_36532	chr7	38345454	38345800	324706	Intergenic	NR_036681		3.837642815	5.43143392	-1.593791105	0.009615
peak_30602	chr16	50024608	50024981	132578	Intergenic	NM_200123	rab11al	4.283533241	5.877329046	-1.593795806	0.002365
peak_23113	chr7	69632303	69633002	109662	Intergenic	NM_198143	rpl13	6.208046443	7.801845914	-1.593799471	0.000178
peak_33708	chr20	49813287	49813642	-390917	Intergenic	NM_001014329	naa20	4.191260267	5.785063241	-1.593802974	0.005155
peak_27170	chr16	26291856	26292304	73809	intron (NM_001076627, intron 3 of 12)	NM_001130586	apoa2	4.852178391	6.446001548	-1.593823157	0.000824
peak_26304	chr3	25798302	25798779	116153	Intergenic	NM_130998	ntn1b	4.657260644	6.251373529	-1.594112885	0.000611
peak_27230	chr18	19496820	19497212	-56707	Intergenic	NM_175083	smad3b	4.474051752	6.06832414	-1.594272388	0.000842
peak_27491	chr7	64237304	64237941	1054360	Intergenic	NM_131287	sox17	5.507869092	7.102164721	-1.59429563	0.000924
peak_29211	chr4	16564730	16565231	-27534	Intergenic	NM_001045096	recql	5.347695481	6.94213212	-1.594436639	0.001614
peak_24589	chr10	1068736	1069335	57504	intron (NM_001145996, intron 5 of 10)	NM_001099984	unc5c	5.494247726	7.088731672	-1.594483946	0.000329
peak_33378	chr2	14657546	14658096	100339	Intergenic	NM_001083863	LOC795615	5.022555809	6.617082846	-1.594527037	0.004795
peak_23319	chr8	8712081	8712796	-116569	Intergenic	NM_001122628_1		6.583796882	8.178348206	-1.594551324	0.000192
peak_39301	chr16	7436268	7436682	22304	intron (NM_131059, intron 15 of 15)	NM_131059	ctnnb1	4.179174711	5.773727555	-1.594552845	0.016072
peak_26082	chr15	34889888	34890386	-310797	Intergenic	NM_001017614	rhbdd1	5.538048028	7.132684023	-1.594635995	0.000566
peak_28308	chr18	43439545	43440148	-87417	Intergenic	NM_001025169	pex16	6.069893706	7.664544034	-1.594650328	0.001213
peak_40786	chr25	12419973	12420301	118711	intron (NM_001256664, intron 3 of 16)	NM_001256664	ntrk3a	3.436916749	5.031663393	-1.594746644	0.020537
peak_31117	chr23	41749861	41750278	105971	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	4.738714804	6.333496159	-1.594781355	0.002696
peak_41197	chr21	20201963	20202411	22	promoter-TSS (NM_001029959)	NM_001029959	rtn2b	3.707078536	5.301924448	-1.594845912	0.021999
peak_31058	chr13	35607199	35607523	46548	intron (NM_131863, intron 25 of 25)	NM_131863	jag1b	4.982659603	6.577513099	-1.594853496	0.002657
peak_26345	chr3	19729086	19729733	57570	Intergenic	NM_001045364	rnd2	5.115093328	6.709983909	-1.59489058	0.00062
peak_28540	chr5	3886430	3887342	-21916	Intergenic	NM_001045388	rpain	4.829114934	6.424063663	-1.594948729	0.001306
peak_34996	chr8	9382278	9382734	-23254	Intergenic	NM_001075110	otud5a	4.193665276	5.788758319	-1.595093043	0.006864
peak_27311	chr1	54931442	54931938	229947	Intergenic	NM_001145690	tekt4	5.656389079	7.251663155	-1.595274076	0.000864
peak_29753	chr24	3174382	3174821	14055	intron (NM_212751, intron 1 of 3)	NM_212751	fam69c	4.819758065	6.415148524	-1.595390459	0.001891
peak_23989	chr18	10632285	10633918	-189655	Intergenic	NM_001045135	si:ch211-59c24.1	7.138752172	8.734231816	-1.595479643	0.000255
peak_39895	chr10	33329572	33330108	119255	intron (NM_201069, intron 12 of 14)	NM_201069	uvrag	4.405040581	6.00063525	-1.595594669	0.017694
peak_38749	chr7	49977573	49978093	-34997	Intergenic	NM_001123242	kcnq1	4.022555809	5.61817282	-1.595617011	0.014598
peak_27955	chr9	55338349	55338867	27304	Intergenic	NM_131555	dct	5.005466053	6.601167256	-1.595701203	0.001089
peak_39654	chr19	31336308	31336827	236931	Intergenic	NM_001245063	zgc:122991	3.565261718	5.161187443	-1.595925725	0.017006
peak_24357	chr9	28946155	28946586	36662	Intergenic	NM_001079683	armc8	5.050063769	6.646059691	-1.595995922	0.0003
peak_27605	chr14	34235618	34236132	-3832	Intergenic	NM_212957	pdzd11	6.143104908	7.739130912	-1.596026004	0.00096
peak_24511	chr8	33467182	33467743	103260	Intergenic	NM_001020514	ncs1b	6.048071517	7.644100301	-1.596028784	0.000319
peak_34312	chr8	6985666	6985948	-160782	Intergenic	NM_001130781	vsig8b	3.589313976	5.185352277	-1.596038301	0.005923
peak_27576	chr6	957691	958257	-993	promoter-TSS (NM_001245966)	NM_001245966	zeb2b	5.428203117	7.024253196	-1.596050079	0.00095
peak_28083	chr21	43965530	43966029	-48692	intron (NM_001012389, intron 3 of 10)	NM_001001404	vdac1	4.85825509	6.454337182	-1.596082092	0.001135
peak_39677	chr21	6929267	6929656	-167150	Intergenic	NM_001003459	crhbp	3.851417001	5.447544743	-1.596127742	0.017057
peak_26520	chr18	48074844	48075851	-24504	Intergenic	NM_001007334	yif1b	5.325903537	6.922147507	-1.59624397	0.000658
peak_34812	chr3	35399908	35400115	-91432	Intergenic	NM_001003873	rbbp6	3.447031973	5.043506833	-1.59647486	0.00657
peak_30417	chr17	46186939	46187268	211434	Intergenic	NR_029933		4.329220506	5.925803233	-1.596582727	0.002263
peak_29415	chr11	11120994	11121367	80449	Intergenic	NM_001007422	mvda	4.254962771	5.851639118	-1.596676347	0.001713
peak_30448	chr13	52248016	52248588	-21033	intron (NM_001045030, intron 10 of 15)	NM_001113637	pygo1	4.570876996	6.167752971	-1.596875975	0.00228
peak_20720	chr18	18246713	18247919	-3309	intron (NM_001008573, intron 7 of 14)	NM_213503	sf3b3	6.793801783	8.390686384	-1.596884601	5.90E-05
peak_34895	chr2	53466042	53466366	4377	exon (NM_207080, exon 2 of 10)	NM_207080	ralbp1	5.506390602	5.103282236	-1.596891634	0.006714
peak_20748	chr1	6745484	6746693	8393	Intergenic	NM_001013498	eng1b	7.436006063	9.032950108	-1.596944045	5.98E-05
peak_38283	chr9	43946336	43947292	-143156	Intergenic	NM_001004506	fkbp7	5.219927938	6.816889681	-1.596961742	0.013472
peak_39125	chr10	28471958	28472231	238703	Intergenic	NM_001020542	ints2	3.693448485	5.29050567	-1.597057186	0.015612
peak_32238	chr18	29309967	29310519	-41966	Intergenic	NM_131844	maf	5.065285294	6.662571061	-1.597285767	0.003634
peak_29197	chr10	1393809	1394189	-32187	Intergenic	NM_001256077	opn4xa	4.542799588	6.140121322	-1.597321734	0.001606
peak_22528	chr9	13688882	13689864	-58104	Intergenic	NM_131139	fzd7a	6.774605483	8.371936801	-1.597331319	0.000136
peak_20236	chr11	43087863	43088439	-1754	Intergenic	NM_182875	her15.1	8.385040943	9.982722354	-1.597681412	4.67E-05
peak_34177	chr6	27159857	27160161	-62841	Intergenic	NM_001083826	ryk	3.695146922	5.292857537	-1.597710615	0.005734
peak_43787	chr14	32046951	32047730	-26313	Intergenic	NM_131860	gpc4	5.051390411	6.649322581	-1.59793217	0.032151
peak_41117	chr5	46112288	46112922	2782	TTS (NM_001111220)	NM_001111220	gas1a	4.182740395	5.780726808	-1.597986414	0.021745
peak_23669	chr7	69774125	69775149	-13126	Intergenic	NM_212876	cyb5b	6.449046535	8.047049141	-1.598002606	0.000222
peak_27180	chr4	20450725	20451215	-48455	intron (NM_001003870, intron 12 of 25)	NM_001006015	pawr	4.478003463	6.076102729	-1.598099266	0.000827
peak_21424	chr2	44246470	44248190	-2511	Intergenic	NM_001045246	cadm3	8.208789743	9.807181506	-1.598391764	8.24E-05
peak_21826	chr13	30729611	30730806	-175	promoter-TSS (NM_001113339)	NM_001113339	zmiz1a	8.154691702	9.753323539	-1.598631837	0.0001

peak_31510	chr6	57659656	57660080	-54764	Intergenic	NM_001076592	zgc:153702	3.912723933	5.511443222	-1.598719289	0.003005
peak_38195	chr15	45662372	45662789	-122398	Intergenic	NM_001278822	igsf11	2.459077363	4.057842464	-1.598765101	0.013267
peak_26529	chr19	48810769	48811467	51565	intron (NM_131813, intron 1 of 8)	NM_131813	angpt1	6.107123137	7.705896507	-1.59877337	0.00066
peak_32793	chr11	39352295	39353390	-11916	Intergenic	NR_034195		5.948806776	7.547686456	-1.59887968	0.004169
peak_33819	chr11	26779359	26779636	7274	intron (NM_001102617, intron 1 of 2)	NM_001102617	tmem51b	3.59113946	5.190035174	-1.598895714	0.005277
peak_30193	chr20	5601013	5601559	6340	intron (NM_001080047, intron 1 of 19)	NM_001080047	nrxn3b	4.916368853	6.515290293	-1.59892144	0.002142
peak_27932	chr25	22992266	22992678	-5521	Intergenic	NM_001007368	nr2e3	4.620983289	6.22002549	-1.599042201	0.001081
peak_25286	chr9	54077915	54078456	42008	intron (NM_001089475, intron 8 of 15)	NM_001089475	nme8	6.053046999	7.652121617	-1.599074618	0.00043
peak_34885	chr16	51708787	51709353	54844	intron (NM_199595, intron 9 of 13)	NM_199595	rad21a	4.952403202	6.551523781	-1.599120579	0.006697
peak_21753	chr23	15208654	15209634	-61341	Intergenic	NM_001004114	phf20b	7.312379068	8.911593221	-1.599214153	9.68E-05
peak_40765	chr5	65818589	65819020	32086	intron (NM_001083540, intron 4 of 5)	NM_001083540	zswim7	4.125874362	5.725206076	-1.599331714	0.020461
peak_28369	chr6	5057696	5058117	625706	Intergenic	NM_201285	pou4f1	4.30822336	5.907581801	-1.599358441	0.001235
peak_31806	chr4	5532910	5533325	-7886	Intergenic	NM_001030113	rsph9	4.138412798	5.737783879	-1.599371081	0.003268
peak_24991	chr2	11898256	11898744	160651	Intergenic	NM_001291396	cdc73	5.703658466	7.303143851	-1.599485385	0.000386
peak_37577	chr7	26619235	26619923	128194	Intergenic	NM_212666	cyp26b1	4.995851639	6.595405962	-1.599554323	0.011805
peak_25996	chr5	73156772	73157326	2717	intron (NM_001003629, intron 1 of 4)	NM_001003629	rgs3a	5.364932445	6.964549333	-1.599616888	0.000549
peak_29058	chr25	19072471	19072924	-1931	Intergenic	NM_001007124	met	4.36599906	5.965677606	-1.599678546	0.00154
peak_23314	chr25	29874339	29874927	66135	intron (NM_001083002, intron 4 of 8)	NM_001083002	arid3b	6.637028662	8.236804504	-1.599775842	0.000191
peak_27215	chr5	23308457	23309013	237180	Intergenic	NM_001114691	sh2d1aa	4.853699967	6.453511063	-1.599811096	0.000837
peak_35099	chr8	31619660	31620372	7108	intron (NM_198984, intron 2 of 13)	NM_198984	p2rx7	2.800163388	4.399998982	-1.599835594	0.00703
peak_30539	chr6	57565679	57566123	39203	Intergenic	NM_001076592	zgc:153702	4.100390989	5.700232515	-1.599841526	0.00233
peak_27867	chr13	48124939	48125480	92547	Intergenic	NM_205625	lhcgr	4.652897542	6.252767086	-1.599869543	0.001053
peak_21398	chr18	7417248	7418134	-278050	Intergenic	NM_001013543	arsa	7.352308891	8.952194165	-1.599885274	8.14E-05
peak_21991	chr17	16548991	16549894	-47084	Intergenic	NM_001033743	ston2	7.928332165	9.528238548	-1.599906382	0.000109
peak_33098	chr9	2873536	2873940	16993	Intergenic	NM_001017574	cdca7a	4.393518857	5.99361403	-1.600095173	0.004503
peak_24979	chr25	23128486	23129082	85503	Intergenic	NM_152953	cyp11a1	5.893925528	7.494039538	-1.600114009	0.000385
peak_41563	chr24	32109938	32110426	-1486	Intergenic	NR_048923		2.715471362	4.315698843	-1.600227481	0.023168
peak_25474	chr16	1305010	1305591	224718	Intergenic	NM_178222	sim1a	6.234634996	7.834897117	-1.600262122	0.00046
peak_24552	chr18	7484629	7485314	-210770	Intergenic	NM_001013543	arsa	5.938805923	7.539105333	-1.600299411	0.000324
peak_41766	chr10	9571727	9572785	-68648	Intergenic	NM_001044910	si:ch211-243g18.	3.109335453	4.709779276	-1.600443824	0.023853
peak_21201	chr14	14920568	14921737	-20353	Intergenic	NM_001014818	phox2bb	7.727969758	9.328537525	-1.600567767	7.41E-05
peak_25558	chr5	3981423	3981845	-32495	Intergenic	NM_001114572	pigw	5.13403673	6.734935266	-1.600898536	0.000473
peak_30472	chr1	35767570	35768045	73781	Intergenic	NM_001077565	zgc:152968	4.749428098	6.350357645	-1.600929547	0.002296
peak_37810	chr14	9682333	9682663	12025	intron (NM_001079991, intron 2 of 2)	NM_001079991	atoh8	3.804890439	5.405897174	-1.601006735	0.0123
peak_29136	chr18	13577595	13577860	283144	Intergenic	NM_001089503	mlycd	3.766538874	5.36787721	-1.601338336	0.001578
peak_22007	chr2	20492457	20493507	-2149	Intergenic	NM_131217	rxrga	7.672016126	9.273442661	-1.601426535	0.000109
peak_37335	chr21	22099365	22099880	32635	intron (NM_001077780, intron 17 of 26)	NM_001077780	rb1	4.237517704	5.83896154	-1.601443835	0.011289
peak_23674	chr17	42195547	42196059	17086	Intergenic	NM_001111166	zgc:171531	5.471080849	7.072617271	-1.601536423	0.000222
peak_31168	chr22	24979618	24980186	64	promoter-TSS (NM_001017710)	NM_001037243	lhx9	5.310441227	6.911998998	-1.601557771	0.002734
peak_29538	chr1	48758796	48759464	430404	Intergenic	NM_001077556	ccdc147	4.956657547	6.55829508	-1.601637533	0.001777
peak_31145	chr9	44296330	44296731	-10430	Intergenic	NM_182881	sestd1	4.824466719	6.426136695	-1.601669976	0.00272
peak_26067	chr23	35759796	35761256	315	intron (NM_001190982, intron 1 of 3)	NM_001190982	tuba1l2	7.630243007	9.231939418	-1.601696411	0.000563
peak_21168	chr2	49837807	49839501	-149246	Intergenic	NM_001277094	rorcb	8.926847436	10.5285482	-1.601700765	7.31E-05
peak_36377	chr12	45442895	45443266	-100144	Intergenic	NM_001110011	dock1	3.646715745	5.248475341	-1.601759596	0.009282
peak_31386	chr19	16202123	16202539	440411	Intergenic	NM_001040375	stmn1a	4.575494928	6.17726295	-1.601768022	0.002905
peak_24409	chr24	23876147	23876890	402814	Intergenic	NM_001075111	hnf4g	5.609744952	7.211537122	-1.60179217	0.000305
peak_31324	chr17	14113195	14113535	213242	Intergenic	NM_200482	jkamp	3.587486179	5.189282996	-1.601796817	0.002863
peak_23183	chr7	37317372	37318391	-152938	Intergenic	NM_001045227	irx5a	7.395471298	8.997271344	-1.601800046	0.000182
peak_29279	chr19	2437510	2437821	21343	intron (NM_198819, intron 28 of 28)	NM_130984	twist1a	3.963015635	5.565170489	-1.602154854	0.001653
peak_22745	chr23	23098223	23099122	147985	Intergenic	NM_212722	eno1a	6.41613851	8.018306578	-1.602168068	0.00015
peak_26535	chr18	39128508	39128924	52456	Intergenic	NM_001017582	snrpd2	5.113188941	6.715534636	-1.602345695	0.000661
peak_25874	chr25	23424272	23424917	-29155	intron (NM_001039929, intron 20 of 20)	NM_001172647	abcc8	5.081646992	6.684104459	-1.602457467	0.000526
peak_40256	chr6	53772122	53772446	48130	intron (NM_001013503, intron 2 of 14)	NM_001013503	cacna2d2	3.580151749	5.182757419	-1.602605671	0.01879
peak_21927	chr5	51755407	51756232	65728	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	6.468103815	8.070944391	-1.602840576	0.000106
peak_35552	chr15	45831211	45831766	46510	intron (NM_001278822, intron 1 of 6)	NM_001278822	igsf11	5.059983971	6.662872254	-1.602888283	0.00776
peak_43243	chr13	35681489	35682366	12196	intron (NM_200411, intron 2 of 11)	NM_200411	slx4ip	4.617457151	6.220428434	-1.602971282	0.029714
peak_33122	chr17	49537605	49537942	25209	intron (NM_199529, intron 10 of 27)	NM_199529	mthfd1b	3.552201346	5.155318037	-1.60311669	0.004531
peak_24807	chr15	43121825	43122444	26573	intron (NM_001033752, intron 5 of 16)	NM_001033752	cwf19l2	5.784646086	7.38789707	-1.603250983	0.00036
peak_26677	chr18	44231120	44231660	21175	intron (NM_001195613, intron 4 of 27)	NM_001195613	abcc5	4.995851639	6.599126262	-1.603274623	0.000696
peak_21816	chr23	45916089	45917898	49878	intron (NM_130919_1, intron 3 of 3)	NM_001114453	zgc:175128	7.380887937	8.984445008	-1.603557071	9.97E-05
peak_33890	chr14	44252838	44253311	-156227	Intergenic	NM_001115099	pcdh18b	4.824421451	6.427996762	-1.603575312	0.005386
peak_37459	chr13	37791101	37791552	71496	Intergenic	NM_194412	ppp2r5eb	2.455073397	4.05880035	-1.603726953	0.01158
peak_26312	chr10	35392882	35393568	273061	Intergenic	NM_001114706_1	zgc:174193	5.450052762	7.053825744	-1.603772982	0.000613
peak_21971	chr23	13784567	13785229	68690	Intergenic	NR_030650		7.061320733	8.665341066	-1.604020334	0.000107
peak_31256	chr3	26636376	26636774	34877	Intergenic	NM_212762	rps15a	4.302663728	5.906686082	-1.604022354	0.002813
peak_28951	chr9	37296420	37296961	342101	Intergenic	NM_131690	atp1a1b	5.746949991	7.351101681	-1.60415169	0.001489
peak_21846	chr14	18371019	18371802	-106229	intron (NM_001166332, intron 3 of 4)	NM_175576	plp1a	7.274456742	8.878632041	-1.604175299	0.000101
peak_32482	chr25	34254125	34254566	-42	promoter-TSS (NM_001089422)	NM_001089422	zgc:162595	4.802528849	6.406738816	-1.604209967	0.003874
peak_32087	chr19	50051311	50051870	-13930	intron (NM_001040330, intron 2 of 8)	NM_001006053	zgc:101785	4.279010388	5.883235944	-1.604225556	0.003499
peak_26720	chr16	36460423	36460809	-3482	Intergenic	NM_001077806	fam46ba	4.422575411	6.027003544	-1.604428133	0.000706
peak_22149	chr13	18809200	18810091	58866	intron (NM_001190757, intron 13 of 15)	NM_001190757	pdzd7a	6.512466076	8.116916308	-1.604450232	0.000116
peak_24483	chr24	42014100	42014646	237954	Intergenic	NM_001020507	smyhc1	5.725894197	7.330549173	-1.604654976	0.000314
peak_27533	chr24	516904	517640	20011	intron (NM_001083003, intron 9 of 11)	NM_001083003	lancl2	5.102312334	6.706985608	-1.604673274	0.000936
peak_33280	chr20	42926211	42926642	13559	Intergenic	NM_001089390	si:ch211-215m21	4.460076621	6.064855753	-1.604779133	0.004677
peak_28643	chr23	36363182	36365251	691	exon (NM_175043, exon 2 of 2)	NM_175043	nfe2	6.893914743	8.498830662	-1.604915919	0.001347
peak_42151	chr22	34373130	34373668	-57564	Intergenic	NM_001037661_1	slc6a6b	4.445014594	6.049937009	-1.604922415	0.025169
peak_29576	chr17	51688431	51688680	-41796	Intergenic	NM_200464	aqr	4.194866279	5.799888043	-1.605021764	0.001796
peak_42162	chr25	2901124	2901390	99776	Intergenic	NM_213305	scamp2	3.142225818	4.747259173	-1.605033355	0.0252
peak_21156	chr3	10541124	10542248	6124	intron (NM_194373, intron 2 of 4)	NM_194373	cbx2	7.727353456	9.332513659	-1.605160203	7.25E-05
peak_37997	chr24	22113215	22113828	-9019	Intergenic	NM_194408	cdk8	4.352071172	5.957288017	-1.605216845	0.012744
peak_27255	chr13	26138386	26138946	61569	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	6.238716735	7.844089085	-1.60537235	0.000849
peak_29191	chr9	50418221	50418777	-484117	Intergenic	NM_200132	scn1a	5.396653674	7.002064648	-1.605410973	0.001605
peak_24123	chr12	26527028	26527457	66061	Intergenic	NM_001113758	socs5a	5.494735408	7.100461498	-1.605726089	0.000271
peak_30852	chr7	69287067	69287545	-136889	Intergenic	NM_001007441	znf143a	4.191260267	5.797003309	-1.605743042	0.002529
peak_30428	chr5	14363226	14363541	6083	intron (NM_182888, intron 1 of 8)	NM_182888	mapk1	4.510311118	6.116180739	-1.605869621	0.00227
peak_24472	chr25	1858977	1859358	-8490	Intergenic	NM_131042_1	fbln1	4.810385827	6.416271625	-1.605885797	0.000312
peak_19668	chr16	25527178	25528623	5781	intron (NM_200783, intron 1 of 4)	NM_200783	efna1b	7.812251295	9.418145333	-1.605894037	3.42E-05
peak_35721	chr10	44778454	44778860	111180	Intergenic	NM_214688	vcanb	4.010249339	5.616352457	-1.606103118	0.008068
peak_21106	chr9	45281417	45282522	73604	intron (NM_001089474, intron 3 of 12)	NM_001089474	cerkl	8.1546827	9.760870532	-1.606187831	7.06E-05
peak_36043	chr3	23569876	23570261	57653	Intergenic	NM_199214	col1a1a	3.096540606	4.703000206	-1.6064596	0.008594
peak_22840	chr23	17191633	17192299	-16465	intron (NM_001025450, intron 16 of 21)	NM_131386	dnmt3	6.982843574	8.58942342	-1.606579846	0.000157
peak_32798	chr13	20646646	20647083	10434	intron (NM_131730, intron 3 of 6)	NM_131730	gfra1a	4.482001777	6.088651709	-1.606649932	0.004172
peak_43940	chr25	1774056	1774407	76446	Intergenic	NM_131042_1	fbln1	3.884630599	5.491348267	-1.606717668	0.032716
peak_41179	chr20	52796945	52797625	-3017	Intergenic	NM_001008620	tsta3	3.751925757	5.358740237	-1.60681448	0.021933
peak_38126	chr4	36404553	36406649	-841740	Intergenic	NM_001135989_1	zgc:174690	10.16224851	11.76908626	-1.606837752	0.013057
peak_29909	chr5	65317640	65318020	58715	Intergenic	NM_212616_1	zgc:85789	4.2869161	5.893788673	-1.606872573	0.001975
peak_26749	chr9	39862015	39862519	81461	Intergenic	NM_001105135	tas2r3	4.226989601	5.833912026	-1.606922426	0.000715
peak_26562	chr16	57801335	57801953	11441	exon (NM_197935, exon 3 of 7)	NM_197935	drd2l	5.231092998	6.838022914	-1.606929916	0.000666
peak_33514	chr5	34037407	34037701	-3010	Intergenic	NM_001018165	fbxw2	4.011613085	5.618555362	-1.606942277	0.004939
peak_35083	chr18	46454827	46455240	-165465	Intergenic	NM_001037706	smtla	4.340116769	5.94721682	-1.607100051	0.00701
peak_28005	chr1	17663296	17663862	-44066	Intergenic	NM_001145577	limch1a	4.549387246	6.156502348	-1.607115102	0.001105
peak_38525	chr1	13795977	13796457	-147143	Intergenic	NM_001076622	itln1	2.800163388	4.407338663	-1.607175275	0.014054
peak_26007	chr24	42847369	42847751	12843	intron (NM_001045123_1, intron 15 of 22)	NM_001045123	scn12ab	4.517048459	6.124413548	-1.607365089	0.000551
peak_35743	chr5	2802159	2803310	4272	intron (NM_201167, intron 1 of 13)	NM_201167	hpda	3.380911023	4.988303234	-1.607392211	0.008116
peak_21504	chr7	39007306	39008147	6668	intron (NM_001043333, intron 3 of 9)	NM_001043333	nkd1	6.239880828	7.847313042	-1.607432214	8.56E-05

peak_35385	chr1	467196	467561	-1956	intron (NM_201027, intron 1 of 11)	NM_001098264	jam2a	3.924355407	5.531826877	-1.60747147	0.007472
peak_31088	chr7	20998349	20998738	5378	intron (NM_001114744, intron 1 of 3)	NM_001114744	ovol1	4.030649868	5.638157929	-1.607508061	0.002677
peak_30520	chr22	12553969	12554274	-6856	Intergenic	NM_199522	rnd3a	4.006150351	5.613668507	-1.607518156	0.002321
peak_31975	chr12	25769727	25770129	-84788	Intergenic	NM_001080021	nrxn1a	3.993783045	5.601301278	-1.607518233	0.003408
peak_35874	chr14	52223428	52223656	185749	intron (NM_001114465_1, intron 8 of 12)	NM_001114465_1	unc5a	2.455073397	4.062734865	-1.607661468	0.008323
peak_38543	chr25	17498843	17499220	-102301	Intergenic	NM_001202419	kdm7ab	3.696843362	5.304566548	-1.607723186	0.014091
peak_40976	chr15	20304080	20304775	66050	Intergenic	NM_001128755	ubash3bb	4.594783512	6.202797968	-1.608014456	0.021213
peak_40745	chr20	48434095	48434538	-22355	Intergenic	NM_001025546	tfap2d	3.738714804	5.346877289	-1.608162486	0.020372
peak_30460	chr17	53486757	53487351	54490	intron (NM_001076722, intron 10 of 10)	NM_131896_1	meis2a	5.239880828	6.848343918	-1.608463089	0.002289
peak_28391	chr13	29401174	29401891	49519	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	6.23021468	7.838801453	-1.608586773	0.001245
peak_29801	chr17	34207709	34208475	2704	intron (NM_001177444, intron 1 of 14)	NM_001177444	gphna	6.3609256	7.969624781	-1.608699181	0.001917
peak_41061	chr2	10936597	10937240	-26214	Intergenic	NM_001099976	cryz	5.345056479	6.953763386	-1.608706907	0.021541
peak_24318	chr16	57562980	57563751	56300	intron (NM_001039925, intron 11 of 11)	NM_001128260	zgc:172096	5.221107285	6.829818879	-1.608711594	0.000295
peak_34289	chr20	54209103	54209467	50607	Intergenic	NM_001177935	dio3b	3.512183079	5.120904021	-1.608720942	0.005887
peak_26347	chr10	973484	973872	-12114	Intergenic	NM_001099984_1	unc5c	4.370257652	5.979011365	-1.608753713	0.00062
peak_26935	chr14	41618467	41619245	75778	intron (NM_001127519, intron 4 of 4)	NM_001127519	pcdh19	5.325355298	6.934238926	-1.608883628	0.000763
peak_36937	chr14	44320741	44321378	-88242	Intergenic	NM_001115099	pcdh18b	4.88458718	6.493535824	-1.608948644	0.010422
peak_29878	chr9	35828586	35828996	14509	Intergenic	NM_001128732	slc25a6	4.838411507	6.447384773	-1.608973266	0.001957
peak_24372	chr16	50471049	50471837	40893	Intergenic	NM_201333	mios	6.034364092	7.643373194	-1.609009101	0.000302
peak_25833	chr21	38907397	38907776	12145	exon (NM_001142566, exon 7 of 12)	NM_001142566	slc13a5a	4.981268198	6.590379367	-1.609111168	0.000518
peak_23919	chr14	44338712	44339560	-70165	Intergenic	NM_001115099	pcdh18b	5.930136166	7.53927198	-1.609135814	0.000248
peak_23583	chr15	34770714	34771261	221361	Intergenic	NM_001080189_1	zgc:158328	5.081646992	6.690968957	-1.609321965	0.000213
peak_31526	chr6	31219570	31220094	159591	Intergenic	NM_131073	jak1	4.76734639	6.376689148	-1.609342758	0.003023
peak_27271	chr20	45256484	45256856	552846	Intergenic	NM_001013534	zgc:103511	5.200258454	6.80976511	-1.609506656	0.000854
peak_31553	chr7	10805818	10806236	-110620	Intergenic	NM_214730	asb7	3.951692923	5.561243213	-1.60955029	0.003042
peak_33179	chr24	9868639	9869182	38446	Intergenic	NM_213106_1	zgc:63694	4.963720362	6.57345546	-1.609735098	0.004582
peak_35464	chr3	8661776	8662024	-8481	Intergenic	NM_001077773	zgc:113443	2.735417151	4.345175671	-1.60975852	0.007587
peak_28870	chr17	18003645	18004035	55716	Intergenic	NM_001099260	bcl11ba	4.452063113	6.061963926	-1.609900813	0.001453
peak_27746	chr23	29332745	29333246	-267849	Intergenic	NM_198364	tardbpl	5.378239627	6.988248365	-1.610008738	0.00101
peak_25445	chr1	18415257	18416075	24243	Intergenic	NM_001102393	tmem192	6.722983386	8.333022963	-1.610039577	0.000456
peak_36460	chr24	10488370	10488650	181040	Intergenic	NM_207078	fam49bb	3.632603848	5.242675815	-1.610071967	0.009464
peak_28846	chr1	34190341	34190717	60845	Intergenic	NM_207062	klf12a	3.965832482	5.576015511	-1.610183029	0.001442
peak_25737	chr21	8539595	8539996	180886	Intergenic	NM_001037701	mapk10	4.678930464	6.289113573	-1.610183109	0.000502
peak_25027	chr7	25584875	25585479	26957	intron (NM_001100026, intron 16 of 25)	NM_001100026	poln	5.14156679	6.751821777	-1.610254987	0.000392
peak_42585	chr20	32479781	32480227	5273	intron (NM_001003608, intron 4 of 8)	NM_001003608	nr2e1	3.866568977	5.477267799	-1.610698822	0.026776
peak_41079	chr4	48173269	48173804	387952	Intergenic	NM_001122615	zgc:174646	2.342286181	3.95308783	-1.610801649	0.021641
peak_34819	chr6	57726923	57727730	-122222	Intergenic	NM_001076592	zgc:153702	6.619642432	8.23057813	-1.610935698	0.006579
peak_23804	chr17	21459120	21459591	154812	Intergenic	NM_001115098	hmx2	5.683643477	7.294579783	-1.610936306	0.000237
peak_25959	chr5	50855351	50855649	-43780	Intergenic	NM_001201438	si:dkey-172m14.:	4.253810789	5.864756221	-1.610945432	0.000541
peak_21704	chr14	2482413	2483226	-12305	Intergenic	NM_001009588	pcdh2ab1	6.85390114	8.464854646	-1.610953506	9.41E-05
peak_25860	chr17	42181574	42182167	31019	Intergenic	NM_001111166	zgc:171531	4.923631181	6.534629419	-1.610998238	0.000524
peak_26901	chr14	46192240	46192831	-332675	Intergenic	NM_200975	gar1	5.753125405	7.364134439	-1.611009034	0.000754
peak_25427	chr5	51745180	51745978	75968	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	5.261315727	6.872349259	-1.611033532	0.000453
peak_24049	chr17	20727465	20728137	-26043	Intergenic	NM_212564	cdk1	4.886861648	6.497942264	-1.611080617	0.000263
peak_29333	chr24	9089194	9089572	5265	exon (NM_199567, exon 3 of 3)	NM_199567	tgif1	4.069219889	5.68033627	-1.611116381	0.001679
peak_33469	chr5	25031634	25031971	-45608	intron (NM_198339, intron 13 of 14)	NM_001166334	nlgn3b	3.603853576	5.215032993	-1.611179417	0.004888
peak_38562	chr24	29821236	29821684	-5684	Intergenic	NM_001083844	col11a1a	4.454129184	6.065332176	-1.611202992	0.014126
peak_23315	chr20	1672581	1673112	-96177	Intergenic	NM_001278799	lama2	6.31265569	7.924242738	-1.611587048	0.000192
peak_26615	chr15	15304800	15305375	37574	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	6.357144519	7.968759712	-1.611615193	0.00068
peak_21400	chr23	4830700	4831445	90	promoter-TSS (NM_001002597)	NM_001002597	syn2a	6.609983185	8.221666973	-1.611683788	8.15E-05
peak_39083	chr14	4774578	4775017	-77160	Intergenic	NM_001017822_1	zgc:110204	3.924355407	5.536318348	-1.611962941	0.01547
peak_39135	chr5	34587947	34588448	45630	Intergenic	NM_177984	lmo4a	4.014336714	5.626353831	-1.612017117	0.015639
peak_43022	chr5	34189448	34189935	-66517	Intergenic	NM_212898	ntmt1	4.014336714	5.626473249	-1.612136534	0.028703
peak_26062	chr9	56229798	56230369	31905	Intergenic	NM_001130697	tmsb4x	5.224639552	6.836836149	-1.612196597	0.000562
peak_21029	chr5	37881929	37882938	46418	intron (NM_131805, intron 2 of 4)	NM_131805	efnb1	7.290175165	8.902511881	-1.612336716	6.81E-05
peak_19253	chr16	12792688	12794377	-152744	Intergenic	NM_131390	gsk3ab	8.835883689	10.44828088	-1.612397192	2.71E-05
peak_20801	chr19	15187481	15188137	99636	Intergenic	NM_001044982	cited4a	6.696232169	8.308674745	-1.612442576	6.12E-05
peak_27208	chr5	19887313	19887651	186298	Intergenic	NM_178304	zdhhc8b	4.868119378	6.480620081	-1.612500703	0.000834
peak_28243	chr24	21908171	21908886	-41131	Intergenic	NM_001005393	boc	5.64451984	7.257144992	-1.612625152	0.001187
peak_28128	chr18	4091412	4091954	217318	Intergenic	NM_200555	pdcd10a	5.602975521	7.215707181	-1.61273166	0.001151
peak_22292	chr23	9846308	9846967	28952	intron (NM_001039171, intron 2 of 79)	NM_001039171	lama5	6.009586891	7.62237587	-1.612788978	0.000124
peak_39457	chr13	33901938	33902471	-6030	Intergenic	NM_001089413	zgc:163030	4.788231132	6.401218438	-1.612987306	0.016456
peak_22235	chr20	52700539	52701821	-22732	Intergenic	NM_001144787	si:ch1073-287p1!	7.096209903	8.709218997	-1.613009094	0.000121
peak_25089	chr12	8947874	8948352	-93531	Intergenic	NM_001039062	med24	5.678071896	7.291162795	-1.613090899	0.000401
peak_35143	chr13	35000765	35001242	1919	intron (NM_001012376_1, intron 1 of 4)	NM_001012376_1	ism1	4.30377737	5.916948195	-1.613170826	0.007102
peak_25626	chr7	70114137	70115000	-63779	Intergenic	NM_205546	hnf4b	5.38775394	7.000944127	-1.613190187	0.000484
peak_22701	chr2	59515196	59516325	7553	intron (NM_212882_1, intron 4 of 9)	NM_199837	fem1a	6.833940951	8.447215549	-1.613274598	0.000148
peak_26970	chr16	29519413	29519702	-54065	Intergenic	NM_001172629	nr4a3	3.958780025	5.572074707	-1.613294683	0.00077
peak_38842	chr5	73573539	73574006	167839	intron (NM_001278805, intron 22 of 23)	NM_001278805	pappaa	4.900954991	6.514305221	-1.613350231	0.014857
peak_24757	chr21	12575456	12575950	318513	Intergenic	NM_001172564	ehmt1b	5.376123651	6.989536277	-1.613412626	0.000353
peak_25893	chr20	18519627	18520178	-65648	intron (NM_001045125, intron 12 of 35)	NM_001001836	vipas39	5.249771591	6.863310858	-1.613539267	0.000531
peak_36643	chr9	1837306	1837664	-67757	Intergenic	NM_001017554_2		3.327031342	4.940776864	-1.613745522	0.009822
peak_29274	chr7	55825759	55826336	-133	promoter-TSS (NM_001030081)	NM_001030081	znf609	4.861327994	6.47513704	-1.613809046	0.001649
peak_21973	chr12	17304173	17305053	-50967	Intergenic	NM_200834	ppp1r3cb	6.670512368	8.284362863	-1.613850495	0.000108
peak_33681	chr4	19771999	19772303	23464	intron (NM_001045143, intron 1 of 36)	NM_001045143	nav3	3.889089251	5.502945115	-1.613855864	0.005128
peak_26945	chr16	57504906	57505409	-62425	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	4.978481358	6.592389383	-1.613908026	0.000764
peak_26174	chr12	19307187	19307647	-76630	Intergenic	NM_001195126	si:dkey-7e14.3	4.821359569	6.435500013	-1.614140444	0.000585
peak_32261	chr13	43590138	43590879	175333	intron (NM_214809, intron 11 of 68)	NM_214809	cdh23	5.489361813	7.103531488	-1.614169676	0.003653
peak_35261	chr10	10873016	10873324	-43338	Intergenic	NM_181495	nrarpa	3.764922485	5.379193271	-1.614270786	0.007277
peak_20770	chr24	23901567	23902385	377356	Intergenic	NM_001075111	hnf4g	6.78002885	8.394461496	-1.614432646	6.03E-05
peak_36583	chr1	42284929	42285414	53378	Intergenic	NM_201502	smox	4.265289428	5.879934238	-1.614644809	0.009704
peak_33401	chr5	14179549	14179841	68568	intron (NM_200991, intron 19 of 19)	NM_200991	ppil2	4.119564041	5.734214395	-1.614650353	0.004816
peak_21472	chr2	21611251	21612344	32656	Intergenic	NM_201454	rab2a	7.063313966	8.677992677	-1.614678711	8.41E-05
peak_42995	chr6	52267843	52268171	31441	Intergenic	NM_200944	eif6	3.972932316	5.587639305	-1.614706989	0.028629
peak_38856	chr15	37231436	37231738	-273331	Intergenic	NM_131481	robo1	3.828386416	5.443262381	-1.614875964	0.014904
peak_30468	chr3	9035983	9036477	57911	Intergenic	NM_131836_1	sim2	5.025894485	6.640783798	-1.614889313	0.002294
peak_21109	chr15	6780666	6781332	-27180	Intergenic	NM_131778	meis3	7.957448682	9.572372017	-1.614923335	7.07E-05
peak_36760	chr9	2068377	2068704	56759	Intergenic	NM_199480	lnpa	3.698537809	5.313505564	-1.614967755	0.010043
peak_23639	chr7	27051132	27051772	4746	intron (NM_201124, intron 1 of 14)	NM_201124	arrb2b	5.40501031	7.020005609	-1.614995299	0.000219
peak_23446	chr6	55943164	55943865	25366	intron (NM_001004558, intron 1 of 15)	NM_001004558	eya2	7.018302311	8.633429183	-1.615126871	0.000201
peak_24947	chr13	49902901	49903726	-177460	Intergenic	NM_001003463	ntpcr	5.998281321	7.61341292	-1.615131599	0.00038
peak_26933	chr15	26543142	26543743	-169844	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	5.228749629	6.844025266	-1.615275637	0.000761
peak_35990	chr15	32245556	32245923	105305	Intergenic	NM_199743	zgc:73340	4.225815055	5.841128914	-1.61531386	0.008511
peak_23550	chr17	8972676	8973163	-151134	Intergenic	NM_001077768	zranb1b	5.70702943	7.322358289	-1.615328859	0.00021
peak_27820	chr15	30040655	30041139	73129	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	4.747792413	6.363194346	-1.615401933	0.001039
peak_35191	chr4	4602796	4603233	22216	intron (NM_001080651, intron 1 of 11)	NM_001080651	creb3l2	4.724647426	6.34008184	-1.615434415	0.007174
peak_36638	chr14	35362372	35362908	2344	intron (NM_205598, intron 2 of 15)	NM_205598	gria1a	3.785795595	5.401234325	-1.615438731	0.009817
peak_27130	chr20	38956059	38956561	21324	intron (NM_001082893, intron 1 of 5)	NM_001082893	si:dkey-221h15.1	4.865104932	6.480571406	-1.615466474	0.000812
peak_26625	chr25	34916119	34916618	19963	intron (NM_001110167, intron 1 of 9)	NM_001110167	roraa	5.262461734	6.87793376	-1.615472026	0.000682
peak_40475	chr4	44845293	44845719	412831	Intergenic	NM_001128300	LOC100008037	2.106785545	3.722259057	-1.615473512	0.019509
peak_29062	chr5	45331143	45331645	-29882	Intergenic	NM_001126415	si:dkey-40c11.1	5.439452212	7.054943888	-1.615491676	0.001541
peak_27064	chr25	25393024	25393356	-354472	Intergenic	NM_001002089_1	tsg101a	4.09910867	5.714757827	-1.615649158	0.000793
peak_22524	chr12	17425348	17426068	70128	Intergenic	NM_200834	ppp1r3cb	6.423615206	8.039327192	-1.615711985	0.000136
peak_24348	chr12	31799194	31800100	114231	Intergenic	NM_001014363	ablim1b	6.423600265	8.03933455	-1.615734286	0.000299
peak_31065	chr7	23423140	23423779	-42819	Intergenic	NM_001017620	tmem256	4.383019995	5.998865203	-1.615845208	0.002661

peak_32711	chr4	5396726	5397707	142	5' UTR (NM_001044841, exon 1 of 12)	NM_001044841	mapk12b	5.664622481	7.280530342	-1.615907861	0.004102
peak_24363	chr6	55611983	55612494	-6263	Intergenic	NM_001003519	pltp	5.696868089	7.312785923	-1.615917834	0.0003
peak_21579	chr19	15407569	15408058	-40325	Intergenic	NM_199211	ctps1a	6.813723531	8.429672708	-1.615949177	8.91E-05
peak_26081	chr16	23831546	23832549	27413	Intergenic	NM_001077253	gnl1	5.988598546	7.604563935	-1.61596539	0.000566
peak_29716	chr13	44694601	44695040	425879	Intergenic	NM_001160346	zfyve21	4.839134981	6.455228665	-1.616093684	0.001866
peak_26177	chr13	17407278	17408128	105632	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	4.850655209	6.466767473	-1.616112264	0.000585
peak_23848	chr18	26867753	26868781	24587	Intergenic	NM_001025538	tspan3a	7.839722141	9.455835527	-1.616113386	0.000242
peak_28525	chr7	14752575	14753082	4633	intron (NM_200705, intron 4 of 7)	NM_200705	rlbp1a	5.547978135	7.164166975	-1.616188839	0.0013
peak_25786	chr18	20038176	20038927	31033	Intergenic	NM_131012	gro2	5.721293112	7.337533582	-1.61624047	0.000511
peak_28167	chr24	40572307	40572744	-142048	Intergenic	NM_212748	rpn2	4.821359569	6.437668397	-1.616308828	0.001164
peak_23824	chr9	5402962	5403503	-40684	Intergenic	NM_001037685	abhd13	6.117330417	7.733641687	-1.61631127	0.000239
peak_37509	chr9	43531717	43532160	25413	intron (NM_182872, intron 1 of 9)	NM_182872	tfpia	4.100390989	5.716745145	-1.616354156	0.01169
peak_37726	chr9	48466122	48466653	415531	Intergenic	NM_001003480	zgc:92380	4.851417001	6.467857792	-1.616440791	0.0121
peak_27042	chr5	37710745	37711225	137644	Intergenic	NM_001004659	zgc:103697	4.631717254	6.248343283	-1.616626028	0.000789
peak_24986	chr20	31504919	31505394	18052	intron (NM_001044819, intron 2 of 19)	NM_001044819	sash1a	4.731284458	6.348332704	-1.617048246	0.000386
peak_36103	chr3	10664651	10665118	30777	Intergenic	NM_130983	nog1	5.297576454	6.91470394	-1.617127485	0.00873
peak_24218	chr5	49912969	49913724	39629	Intergenic	NR_029998		5.944529182	7.561676309	-1.617147127	0.000283
peak_24482	chr12	36334808	36335380	35210	intron (NM_200842, intron 2 of 6)	NM_200842	qki2	6.18127933	7.798479542	-1.617200212	0.000313
peak_28078	chr6	56272082	56272834	153081	Intergenic	NM_001008576_1	tfap2c	6.264195728	7.881401088	-1.61720536	0.001133
peak_28441	chr4	3950207	3950533	-1572	Intergenic	NM_201059	waslb	4.419496475	6.036708074	-1.617211598	0.001264
peak_29481	chr18	42240522	42240837	154129	Intergenic	NM_001005575	bcl9l	3.720483721	5.337727735	-1.617244013	0.001745
peak_24780	chr13	50621930	50622424	-39258	Intergenic	NM_213036	tomm20a	5.729213663	7.346478664	-1.617265	0.000357
peak_33540	chr24	2836390	2836930	135240	Intergenic	NM_001105594_1	fars2	4.960193277	6.577474609	-1.617281332	0.004959
peak_26155	chr17	22287909	22288470	76926	intron (NM_001039144, intron 1 of 5)	NM_001039144	slc8a1b	4.680646069	6.297941477	-1.617295408	0.00058
peak_28927	chr5	36732125	36732596	86221	Intergenic	NM_001020781	fcho2	5.106184602	6.723545323	-1.617360721	0.00148
peak_20916	chr19	31016232	31017591	-26593	Intergenic	NM_213223	marcksl1b	7.037045147	8.654450285	-1.617405138	6.45E-05
peak_31216	chr6	19114879	19115272	91357	Intergenic	NM_001014307	sept9b	4.735417151	6.352862896	-1.617445744	0.002775
peak_21738	chr22	12464191	12464817	-39642	Intergenic	NR_030072		6.201172627	7.81870183	-1.617529203	9.60E-05
peak_34102	chr9	9442940	9443400	7183	intron (NM_001014345, intron 3 of 15)	NM_001014345	cbsb	4.59113946	6.208681726	-1.617542266	0.005645
peak_22768	chr18	30244733	30245671	-140816	Intergenic	NM_001080807	gse1	5.875649898	7.493401117	-1.617751219	0.000152
peak_21059	chr24	7525744	7526312	-90711	Intergenic	NM_001089556	actr3b	6.615388146	8.23318652	-1.617798374	6.90E-05
peak_38461	chr1	28825806	28826105	18630	intron (NM_001002746, intron 6 of 22)	NM_001002746	pcca	3.648470066	5.266500393	-1.618030328	0.013911
peak_35326	chr1	42177080	42177426	23033	intron (NM_001007352, intron 1 of 5)	NM_001007352	rnf24	4.003411208	5.621474508	-1.618063299	0.007361
peak_25307	chr9	38305594	38306106	-66685	intron (NM_130967, intron 4 of 13)	NM_001039828	slc15a2	5.554074368	7.172143332	-1.618068964	0.000434
peak_23980	chr3	49555565	49556252	-77791	Intergenic	NM_212985	metrnl	6.005143752	7.623253134	-1.618109383	0.000255
peak_30412	chr5	40571524	40572154	84883	intron (NM_001130840, intron 16 of 71)	NM_001130840	fras1	4.827567192	6.445840506	-1.618273314	0.002259
peak_26005	chr22	16513996	16514351	5898	intron (NM_001013515, intron 5 of 10)	NM_001013515	dbt	4.22346309	5.841771225	-1.618308135	0.00055
peak_32529	chr21	15351049	15351332	-140536	Intergenic	NM_001166121	aqp3b	3.397697102	5.016016914	-1.618319812	0.003922
peak_42971	chr15	2543542	2543860	32287	intron (NM_131769, intron 2 of 7)	NM_001003514	cux1b	1.787481669	3.405940439	-1.61845877	0.028508
peak_40987	chr20	42493919	42494411	-22538	Intergenic	NM_001025486	si:dkeyp-93d12.1	4.497658046	6.116200853	-1.618542806	0.021244
peak_23851	chr1	26121449	26122187	43274	intron (NM_001122755, intron 2 of 6)	NM_001122755	bnc2	7.151516049	8.770085356	-1.618569307	0.000243
peak_21082	chr9	51777606	51778575	-7389	Intergenic	NM_001020575	fign	7.047064659	8.665669971	-1.618605311	6.98E-05
peak_32791	chr13	40033890	40034308	17208	Intergenic	NM_001202417	marveld1	4.486855435	6.105510638	-1.618655203	0.004166
peak_24861	chr17	10285365	10285813	-2318	Intergenic	NM_131284	foxa1	5.102312334	6.720983769	-1.618671436	0.000369
peak_29012	chr10	15969367	15969890	-13525	Intergenic	NR_030024		5.134662696	6.753341783	-1.618679087	0.001515
peak_20005	chr17	53033048	53035068	16221	intron (NM_001128292, intron 3 of 4)	NM_001128292	prox2	8.149886894	9.768635167	-1.618748273	4.14E-05
peak_19435	chr21	19435200	19436944	-106843	Intergenic	NM_213226	zgc:85869	8.243742887	9.862522191	-1.618779304	2.97E-05
peak_28287	chr11	37559301	37559707	-58898	Intergenic	NM_001005312	parapinopsinb	4.30377737	5.922619636	-1.618842266	0.001204
peak_25118	chr24	31269235	31269654	-2030	Intergenic	NM_001245967	f3a	4.966535835	6.585525033	-1.618989198	0.000405
peak_26209	chr23	28587611	28588159	2017	exon (NM_170762, exon 2 of 2)	NM_170762	neurod4	4.612020614	6.231060842	-1.619040227	0.000591
peak_26522	chr11	46432332	46432756	-731	promoter-TSS (NM_001142582)	NM_001142582	il1rapl1b	4.222285668	5.841331447	-1.619045779	0.000659
peak_24840	chr16	41703924	41704610	93885	Intergenic	NM_001159994	gdf6a	7.508238477	9.127298177	-1.619059699	0.000364
peak_27620	chr7	35829527	35830201	-15474	Intergenic	NM_131267	irx3a	5.454601368	7.073708917	-1.619107549	0.000966
peak_33315	chr14	5728427	5728833	-44051	Intergenic	NM_153651	tlx2	4.596602092	6.215770568	-1.619168475	0.004717
peak_27300	chr21	19538433	19539775	-3811	Intergenic	NM_213226	zgc:85869	6.080003979	7.699189366	-1.619185387	0.000861
peak_30972	chr18	44319672	44320215	-51487	Intergenic	NM_201026	ap2m1b	5.071221321	6.690423787	-1.619202465	0.002601
peak_31676	chr4	450114	450828	16777	intron (NM_001004113, intron 11 of 15)	NM_001004113	agbl5	5.462102159	7.081361834	-1.619259675	0.003149
peak_29005	chr6	15941457	15941859	-7330	Intergenic	NM_152964	gbx2	5.148401839	6.767992564	-1.619590726	0.001513
peak_40084	chr2	12016379	12016820	70969	Intergenic	NM_199518	prtfdc1	2.877168754	4.49676275	-1.619593996	0.018274
peak_30961	chr12	10819460	10819757	-4603	Intergenic	NM_001127471	fam117ab	4.224639552	5.844237246	-1.619597694	0.002596
peak_30311	chr13	28948846	28949714	-6494	Intergenic	NM_131316	ldb1a	6.686245102	8.305871637	-1.619626536	0.0022
peak_22656	chr12	44104788	44105602	177443	Intergenic	NM_001080602	ebf3	7.252793639	8.872491595	-1.619697955	0.000145
peak_25228	chr6	26667218	26667878	-63570	Intergenic	NM_201474	hdlbpa	5.597510523	7.21721683	-1.619706306	0.00042
peak_32169	chr20	30067010	30067451	-6030	Intergenic	NM_131337	sox11b	4.362796846	5.982660441	-1.619863596	0.003563
peak_31261	chr11	42057999	42058387	65047	Intergenic	NM_213313	fam213b	4.234016866	5.85402969	-1.620012824	0.002816
peak_30012	chr17	3962184	3962656	46344	intron (NM_001020655, intron 9 of 9)	NM_131359	bmp2a	5.736266333	7.356351182	-1.62008485	0.002033
peak_27375	chr6	46991673	46992116	-113470	Intergenic	NM_001014317	igfn1.1	4.344452335	5.964572243	-1.620119908	0.000884
peak_20368	chr18	5059069	5065004	24404	Intergenic	NM_001171590	cplx3b	10.07500441	11.69514457	-1.620140158	5.01E-05
peak_22780	chr4	60168084	60168755	-77708	Intergenic	NM_201580	nup50	7.02031631	8.640529487	-1.620213177	0.000153
peak_23604	chr17	18162579	18163222	214776	Intergenic	NM_001099260	bcl11ba	5.559239876	7.179473678	-1.620233801	0.000215
peak_31540	chr19	29921675	29921911	-1930	Intergenic	NM_001044337	fndc5b	3.445014594	5.065384521	-1.620369927	0.003029
peak_24876	chr13	4424217	4424909	79011	intron (NM_001077325, intron 2 of 8)	NM_001077325	mcu	6.850486927	8.470989755	-1.620502828	0.000371
peak_23814	chr19	17333413	17334064	45347	intron (NM_001039524, intron 3 of 7)	NM_001039524	zfpm2b	5.238134336	6.858837602	-1.620703266	0.000239
peak_29260	chr3	17816707	17817181	37337	Intergenic	NM_200116	zgc:56719	5.199096849	6.819977248	-1.620880398	0.001645
peak_27237	chr23	29283722	29284084	-232531	Intergenic	NM_001002631	dffa	4.372382244	5.993268288	-1.620886044	0.000844
peak_26248	chr6	6767503	6768138	150	5' UTR (NM_001114896, exon 1 of 13)	NM_001114896	zgc:171558	5.986152488	7.607132378	-1.62097989	0.0006
peak_32635	chr23	39008034	39008466	-37818	Intergenic	NM_001080609	sall4	4.133410493	5.754478642	-1.621068149	0.004013
peak_33653	chr18	20274175	20274866	-676	promoter-TSS (NM_178305)	NM_178305	rapsn	4.976346945	6.597494323	-1.621147379	0.005098
peak_31497	chr13	23362303	23362670	-127264	Intergenic	NM_001013462	kbp	3.447031973	5.068254613	-1.62122264	0.00299
peak_30723	chr18	2532105	2532443	-5876	intron (NM_001080007, intron 5 of 12)	NM_001025185	ompa	3.344452335	4.965804806	-1.62135247	0.002441
peak_23359	chr2	32817121	32818034	-89926	Intergenic	NM_001076570	rnf220a	6.181885134	7.803339618	-1.621454483	0.000195
peak_31755	chr5	60616185	60616752	-77678	Intergenic	NM_001002701	tmem136b	4.975689123	6.597230235	-1.621541112	0.003233
peak_31342	chr19	38343193	38343596	-324050	Intergenic	NM_001007288	cx30.9	4.879367786	6.500915589	-1.621547803	0.002876
peak_35626	chr2	39942834	39943430	33676	Intergenic	NM_001126389	si:ch211-122l24.(	3.273336808	4.895067317	-1.621730509	0.007887
peak_20846	chr7	51904566	51905533	-37570	Intergenic	NM_001127470	hypk	7.997148026	9.619407936	-1.62225991	6.24E-05
peak_31896	chr1	2806974	2807655	445	TTS (NR_030012)	NR_030045		4.846075989	6.468440609	-1.62236462	0.003345
peak_21301	chr7	74038369	74039251	104256	Intergenic	NM_001006020_1	ccdc149a	6.178835862	7.80120539	-1.622369528	7.74E-05
peak_34242	chr23	40591818	40592222	42679	Intergenic	NM_001103125	fam46ab	3.957365387	5.579759351	-1.622393964	0.00583
peak_23609	chr15	2119041	2119550	58347	intron (NM_131769, intron 5 of 7)	NM_201196	shox2	5.81822298	7.440731294	-1.622508314	0.000216
peak_24954	chr12	50198076	50198449	-900	promoter-TSS (NM_001002570_1)	NM_001002570_1	zgc:92749	4.902426009	6.524985429	-1.62255942	0.000381
peak_41234	chr24	35433033	35433509	5196	Intergenic	NM_174861	gbx1	4.423600265	6.046463289	-1.622863025	0.022131
peak_21388	chr5	67470457	67471412	361	intron (NM_001017540, intron 1 of 7)	NM_001017540	ak5l	6.511970298	8.134888822	-1.622918524	8.10E-05
peak_32373	chr2	41013543	41014200	-58279	Intergenic	NM_001020508	hs6st1a	4.928693146	6.551812733	-1.623119587	0.003761
peak_26092	chr11	24413999	24414586	-157719	Intergenic	NM_001113489	kiss1	6.074487444	7.697643103	-1.623155659	0.000568
peak_31979	chr6	32792008	32792343	17691	3' UTR (NM_001042687, exon 22 of 22)	NM_001042687	pomgnt1	4.194866279	5.818022207	-1.623155928	0.003413
peak_28361	chr8	9790611	9791055	272575	exon (NM_001098489, exon 24 of 32)	NM_200092	bcap31	4.905363553	6.528588077	-1.623224524	0.001232
peak_30793	chr18	35595270	35595863	-3694	Intergenic	NM_131720	six4.3	5.204473265	6.827699372	-1.623226107	0.002481
peak_23216	chr7	69568918	69569857	46397	Intergenic	NM_198143	rpl13	5.737503108	7.361066955	-1.623563847	0.000184
peak_27842	chr2	21679343	21679910	28069	Intergenic	NM_001017571	ca8	5.016415696	6.640020681	-1.623604985	0.001046
peak_19336	chr24	39452703	39453796	5759	intron (NM_001009983, intron 2 of 3)	NM_001009983	metrn	8.558132038	10.18175515	-1.623623111	2.83E-05
peak_28170	chr7	12728134	12728748	156152	Intergenic	NM_001080993	mex3b	5.47602896	7.099781735	-1.623752775	0.001165
peak_41676	chr6	21129116	21129548	99183	Intergenic	NM_205740	barhl2	4.011692604	5.635492846	-1.623800242	0.023554
peak_21900	chr9	22667336	22668400	-88211	Intergenic	NM_001002483	sox1a	7.385775681	9.009619047	-1.623843366	0.000104
peak_35506	chr14	41465614	41465987	228834	Intergenic	NM_001127519	pcdh19	3.728799148	5.352703638	-1.623904491	0.007683
peak_24201	chr13	17268422	17269146	244551	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	5.972891474	7.597179115	-1.624287641	0.000281

peak_26763	chr16	49298656	49299117	28690	Intergenic	NM_001003557	bola1	4.633489897	6.257805229	-1.624315332	0.000718
peak_25726	chr7	70535872	70536341	-105011	Intergenic	NM_199682	ap1g1	4.610221378	6.234821966	-1.624600588	0.0005
peak_29164	chr10	27847639	27848153	116283	Intergenic	NM_152948	cxadr	5.118931489	6.74370963	-1.624778141	0.001592
peak_20065	chr1	15261123	15262343	-12054	Intergenic	NM_001030126	mtmr7b	7.925627204	9.550551247	-1.624924043	4.29E-05
peak_25691	chr3	10655746	10656213	39682	Intergenic	NM_130983	nog1	4.706187427	6.331122705	-1.624935278	0.000494
peak_43785	chr7	13977955	13978207	110222	intron (NM_001245957, intron 1 of 10)	NM_001245957	syt7b	3.449046535	5.074108975	-1.62506244	0.032148
peak_26665	chr22	107498	108724	-70	promoter-TSS (NM_207097)	NM_207097	nbl1	6.452077763	8.077306985	-1.625229222	0.000691
peak_27213	chr14	3367745	3368309	7092	intron (NM_203420_1, intron 1 of 18)	NM_203420_1	bicc2	4.489851149	6.11516728	-1.625316131	0.000836
peak_29772	chr24	42254446	42254889	-2340	Intergenic	NM_001020507	smyhc1	4.467110104	6.092516418	-1.625406314	0.001902
peak_30987	chr10	2375354	2375678	-233401	Intergenic	NM_001008630	nxnl2	4.261855416	5.887323612	-1.625468196	0.00261
peak_27053	chr8	24485051	24485492	-6808	intron (NM_001025485, intron 12 of 15)	NM_001077143	nt5dc2	5.275041226	6.900532157	-1.625490931	0.000791
peak_28892	chr18	89303	89682	-24988	Intergenic	NM_001030061	trpm7	4.614715268	6.240255106	-1.625539838	0.001462
peak_24550	chr6	55908044	55908564	60576	intron (NM_001004558, intron 9 of 15)	NM_001004558	eya2	5.993092854	7.618652476	-1.625559622	0.000323
peak_32318	chr7	27987725	27988031	17736	intron (NM_001008400, intron 8 of 14)	NM_001008400	ext2	3.152152513	4.777855553	-1.625703039	0.003709
peak_19880	chr22	13182131	13183047	-304	promoter-TSS (NM_001024816)	NM_001024816	ahr1b	7.55631587	9.182163544	-1.625847673	3.83E-05
peak_26178	chr17	26054848	26055265	379419	Intergenic	NM_001080656	acss1	4.56345742	6.189497359	-1.626039939	0.000585
peak_27604	chr1	23136834	23137214	6646	Intergenic	NM_200059	rps3a	4.102952214	5.729388852	-1.626436639	0.00096
peak_28917	chr17	33167253	33167689	-98463	Intergenic	NM_131405	prox1a	4.283533241	5.910071146	-1.626537905	0.001476
peak_32579	chr2	51420565	51420953	-7818	Intergenic	NM_001142925	adcyap1r1a	3.967238845	5.593817651	-1.626578805	0.003956
peak_30070	chr5	74916878	74917146	2147	intron (NM_131208, intron 1 of 4)	NM_131208	lhx3	3.733765494	5.360359914	-1.62659442	0.002062
peak_35295	chr22	14003438	14004089	-8355	Intergenic	NM_001002552	s100b	4.339030839	5.965769537	-1.626738698	0.007317
peak_23978	chr20	49514227	49514854	-91993	Intergenic	NM_001014329	naa20	5.288041959	6.914875725	-1.626833766	0.000255
peak_26402	chr7	17067194	17067716	-46759	Intergenic	NM_001017735	mpped2a	4.806462687	6.433352868	-1.626890181	0.000632
peak_33168	chr6	36495033	36496050	-164256	Intergenic	NM_131079	her6	5.3929652	7.020009534	-1.627044334	0.00457
peak_26772	chr3	39116558	39116867	22161	Intergenic	NM_001080195	tmem98	3.997917271	5.625161482	-1.627244211	0.000721
peak_22023	chr25	32572903	32573403	23458	intron (NM_173275_1, intron 9 of 22)	NM_173275	lamb1a	5.829888182	7.457145637	-1.627257455	0.00011
peak_21790	chr15	46345606	46346146	20547	Intergenic	NM_001039832_1	lsamp	5.870000214	7.49727984	-1.627279626	9.86E-05
peak_26966	chr2	27672358	27672896	33356	intron (NM_001144819, intron 1 of 13)	NM_001144819	zswim5	5.859435811	7.486816739	-1.627380928	0.000769
peak_20390	chr3	14093073	14094251	-10277	Intergenic	NM_200456_1	lppr2a	7.258429964	8.885915824	-1.62748586	5.06E-05
peak_29836	chr11	20381756	20382137	-95571	Intergenic	NM_131636	fezf2	4.057383766	5.685011271	-1.627627505	0.001934
peak_26561	chr6	41642093	41642459	-97283	Intergenic	NM_200137	rad18	4.540911861	6.168554521	-1.62764266	0.000666
peak_24604	chr21	33598495	33599152	25257	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	5.775821542	7.403478473	-1.627656931	0.00033
peak_22882	chr17	35986321	35987113	72018	Intergenic	NM_131336	sox11a	6.705344933	8.333011846	-1.627666914	0.000159
peak_32577	chr2	55766953	55767302	-73022	Intergenic	NM_201465	calr3b	4.150915405	5.778608003	-1.627692598	0.003954
peak_26083	chr9	6071256	6071779	-51995	Intergenic	NM_001159914	st6gal2a	4.317074445	5.944789898	-1.627715453	0.000567
peak_29220	chr18	49390425	49391603	11676	Intergenic	NM_200360	ubl7b	6.258987481	7.886710668	-1.627723187	0.001618
peak_26184	chr5	30939073	30939402	-105684	intron (NM_001114548, intron 46 of 47)	NM_001099979	man1b1	4.566244234	6.194201815	-1.627957581	0.000587
peak_25442	chr16	27699794	27700602	-60783	Intergenic	NM_001045249	zgc:136493	6.17946039	7.807457424	-1.627997034	0.000455
peak_37855	chr13	22431857	22432288	-25356	Intergenic	NM_001201566	usp54a	5.033376993	6.661417123	-1.628040129	0.012425
peak_38942	chr6	6059658	6060013	105839	Intergenic	NM_001201446	rtn4a	3.149677235	4.777748822	-1.628071586	0.015105
peak_30085	chr3	47452375	47453299	226	intron (NM_001278819, intron 1 of 10)	NM_001278819	gas7a	7.353542847	8.981731168	-1.628188321	0.00207
peak_21442	chr12	32782036	32783029	7756	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	6.795386155	8.423617303	-1.628231147	8.30E-05
peak_34821	chr20	29415024	29415370	82288	Intergenic	NM_212852	grem1a	3.033337828	4.661592477	-1.62825465	0.006583
peak_27771	chr20	37900420	37901149	9490	intron (NM_001025523, intron 1 of 5)	NM_001025523	vash2	5.742439633	7.370726035	-1.628286402	0.001021
peak_42436	chr6	9773245	9773807	45064	intron (NM_001080085, intron 1 of 9)	NM_001080085	palm3	1.793836463	3.422206711	-1.628370248	0.026184
peak_42899	chr24	17113106	17113547	17215	intron (NM_001271670, intron 3 of 18)	NM_001271670	sema5a	3.463070247	5.091745659	-1.628675412	0.028144
peak_32929	chr12	19545663	19546044	-5104	Intergenic	NM_001083831	zgc:162187	4.190056257	5.818953892	-1.628897635	0.004322
peak_30566	chr19	35430187	35430609	-3694	Intergenic	NM_213091	elmo1	5.278977353	6.907959075	-1.628981722	0.00235
peak_25416	chr21	11486734	11487493	-16405	Intergenic	NM_001040036	adora2ab	5.268178158	6.897203093	-1.629024936	0.00045
peak_33376	chr23	45804644	45805168	-27594	intron (NM_130919_1, intron 3 of 3)	NM_001001826	zgc:85866	3.995162437	5.624279796	-1.629117359	0.004794
peak_29767	chr5	51539508	51541463	12912	Intergenic	NM_131180	nr2f1a	7.78693756	9.416131716	-1.629194156	0.0019
peak_36122	chr9	29681151	29681457	-40922	Intergenic	NM_001044782	zgc:162396	3.428773195	5.057981253	-1.629208059	0.008778
peak_25493	chr25	1905067	1905939	-54826	Intergenic	NM_131042_1	fbln1	7.001515016	8.630738167	-1.629223151	0.000462
peak_30476	chr14	34688282	34688662	-9792	Intergenic	NM_001166124	apln	4.077057032	5.706401678	-1.629344646	0.0023
peak_24965	chr6	55947904	55948486	20685	intron (NM_001004558, intron 1 of 15)	NM_001004558	eya2	5.808033224	7.437480272	-1.629447048	0.000382
peak_42933	chr8	55206465	55206881	29867	intron (NM_212609, intron 1 of 11)	NM_212609	gnb1a	4.21513183	5.844598799	-1.629466969	0.028298
peak_29784	chr18	48009953	48010672	-89539	Intergenic	NM_001007334	yif1b	4.815079557	6.444749961	-1.629670404	0.00191
peak_22986	chr8	39173491	39174453	142370	Intergenic	NM_001039526	prlhr2a	6.610870109	8.240611856	-1.629741746	0.000168
peak_32128	chr14	41269823	41270240	424603	Intergenic	NM_001127519	pcdh19	5.02454418	6.654369172	-1.629824992	0.003525
peak_21356	chr9	32228132	32229243	27668	intron (NM_001037416, intron 1 of 7)	NM_001037416	clybl	5.820169959	7.45000132	-1.629831362	7.96E-05
peak_31055	chr1	7127304	7127693	91900	Intergenic	NM_001030080	grapb	4.333588892	5.963628871	-1.63003998	0.002655
peak_28032	chr18	30353225	30353807	-32502	Intergenic	NM_001080807	gse1	5.320379652	6.950453229	-1.630073577	0.001114
peak_24315	chr5	28063644	28064319	73821	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	6.110327639	7.740412688	-1.630085049	0.000295
peak_28600	chr7	12671129	12671693	213182	Intergenic	NM_001080993	mex3b	5.157090365	6.787280705	-1.63019034	0.001332
peak_27634	chr9	32298417	32298793	12751	Intergenic	NM_205727	zic5	4.034679932	5.664901616	-1.630221684	0.000971
peak_28977	chr9	28008676	28009114	-354303	Intergenic	NM_001126402	si:rp71-84d19.3	4.579178661	6.209671778	-1.630493117	0.001501
peak_28302	chr25	1896438	1897231	-46157	Intergenic	NM_131042_1	fbln1	5.687488159	7.318019704	-1.630531545	0.001212
peak_43128	chr1	33548871	33549136	-206558	Intergenic	NR_030517		2.544684847	4.175236031	-1.630551183	0.029134
peak_37761	chr14	9453379	9453737	-180	promoter-TSS (NM_001004009)	NM_001004009	asb12b	4.294844074	5.925410089	-1.630566014	0.012188
peak_33223	chr4	9680480	9680917	12050	TTS (NM_200937)	NM_200937	ing3	4.558746311	6.189379336	-1.630633025	0.004626
peak_28890	chr1	52010786	52011135	22969	intron (NM_131897, intron 8 of 12)	NM_131897	meis4.1a	4.127133121	5.757883834	-1.630750714	0.001461
peak_20536	chr25	17483653	17484530	-117241	Intergenic	NM_001202419	kdm7ab	7.214887664	8.845655752	-1.630768088	5.38E-05
peak_40687	chr25	4473675	4473998	-162281	Intergenic	NM_131786	cry3	3.766538874	5.397363395	-1.63082452	0.020201
peak_35736	chr14	49460260	49460701	91563	intron (NM_001115143, intron 3 of 21)	NM_001115143	prom1a	4.461075187	6.091983412	-1.630908226	0.008106
peak_33546	chr15	25168035	25168385	-64043	Intergenic	NR_030247		3.947423891	5.578415448	-1.630991557	0.004965
peak_34344	chr17	39184610	39185564	-130190	intron (NM_212821, intron 5 of 16)	NM_001017770	slc24a4a	5.09910867	6.730196809	-1.63108814	0.005976
peak_30965	chr2	12155975	12156478	-68658	Intergenic	NM_199518	prtfdc1	4.558800733	6.189947286	-1.631146553	0.002597
peak_33486	chr3	13040002	13040263	86487	Intergenic	NM_201313	dnaja3a	3.219927938	4.851096947	-1.631169009	0.004903
peak_29513	chr17	557470	558577	-86	promoter-TSS (NM_001017876_2)	NM_001017876_2	fsip1	7.074295761	8.705551097	-1.631255336	0.001766
peak_20874	chr10	39615519	39616280	-6049	Intergenic	NM_001001886	usp25	6.751482004	8.382854624	-1.631372619	6.32E-05
peak_32068	chr9	1553611	1554024	-65437	intron (NM_001017554_1, intron 5 of 16)	NM_001127404	si:ch211-222f23.1	4.771377205	6.40281952	-1.631442315	0.003489
peak_34860	chr5	36757114	36757513	61268	intron (NM_001020781, intron 17 of 26)	NM_001020781	fcho2	4.383019995	6.014467126	-1.631447131	0.006652
peak_42097	chr23	19578503	19578828	-59528	Intergenic	NM_131871	guca1b	3.750197587	5.38165295	-1.631455363	0.024997
peak_28726	chr5	17189419	17189800	67526	Intergenic	NM_213323	pebp1	4.602044119	6.233506717	-1.631462598	0.001378
peak_20361	chr4	3852054	3853756	184	exon (NM_001144049, exon 1 of 2)	NM_001144049	gpr37b	7.589072305	9.220718344	-1.631646038	4.99E-05
peak_27504	chr18	24057190	24057591	203190	Intergenic	NR_120393		4.790616223	6.422396496	-1.631780273	0.000928
peak_28031	chr16	27101918	27102629	-18142	Intergenic	NR_029985		6.119843327	7.751624234	-1.631780907	0.001114
peak_33292	chr14	45756376	45756651	-41292	Intergenic	NM_001007358	adra1bb	3.764922485	5.397251551	-1.632329066	0.004688
peak_36612	chr18	15278072	15278629	11000	intron (NM_131578, intron 1 of 16)	NM_131578	arntl2	4.769813247	6.402293524	-1.632480277	0.009756
peak_26621	chr7	12879878	12880713	4298	TTS (NM_001080993)	NM_001080993	mex3b	6.152134478	7.784640963	-1.632506484	0.000681
peak_27482	chr15	3422898	3423288	29174	Intergenic	NM_001077257	foxo1a	4.336856522	5.969371466	-1.632514943	0.00092
peak_30385	chr7	16682078	16682450	45524	intron (NM_001017638, intron 9 of 9)	NM_131641	pax6b	3.897965428	5.530897279	-1.632931851	0.00224
peak_41498	chr8	14380910	14381271	14140	intron (NM_001128554, intron 4 of 10)	NM_001128554	doc2d	3.516031849	5.1490758	-1.633043951	0.022911
peak_23189	chr20	23713709	23714344	-10647	Intergenic	NM_001045487	sh3rf1	5.848367416	7.481414657	-1.633047241	0.000183
peak_32242	chr17	31353575	31353961	56792	Intergenic	NM_001115147	prlh2r	3.878664214	5.511772812	-1.633108598	0.003638
peak_24486	chr13	38773827	38774447	150678	Intergenic	NR_120381		5.94669036	7.579809318	-1.633118958	0.000314
peak_31344	chr7	65837586	65837811	-10700	Intergenic	NM_001110485	m1ap	3.033337828	4.666491704	-1.633153876	0.002876
peak_21501	chr1	30705573	30706630	38615	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	6.153370542	7.786696821	-1.633326279	8.53E-05
peak_36167	chr6	315627	315934	-1383	Intergenic	NM_001008588	ift27	3.215200887	4.848579704	-1.633378817	0.008874
peak_34423	chr7	55808404	55808764	17330	intron (NM_001030081, intron 1 of 6)	NM_001030081	znf609	4.149677235	5.783085546	-1.633408311	0.006084
peak_33296	chr9	12439573	12439861	106385	Intergenic	NM_200066	nup35	3.445014594	5.078469713	-1.633455119	0.004694
peak_27340	chr17	8399424	8399946	8336	intron (NM_001080601, intron 1 of 5)	NM_001080601	fzd3b	5.110009366	6.743494211	-1.633484846	0.000873
peak_34484	chr24	36032004	36032496	-6870	Intergenic	NM_131456	ctnna1	4.353147335	5.986731732	-1.633584397	0.006173
peak_33450	chr5	65623098	65623431	-48502	Intergenic	NM_001100016	si:ch211-253h3.1	4.277877455	5.911640006	-1.633762551	0.004871
peak_26000	chr12	37876823	37877294	161447	Intergenic	NM_001110465	dnai2a	5.523754484	7.157702316	-1.633947832	0.00055

peak_43897	chr5	16877571	16877992	-29555	Intergenic	NM_183339	tbx1	3.995162437	5.629161746	-1.633999309	0.032553
peak_25773	chr5	39214796	39215225	-34388	Intergenic	NM_001099989	LOC558044	5.097183051	6.731242211	-1.63405916	0.000509
peak_39787	chr4	56576260	56576794	519853	intron (NM_001114585, intron 9 of 15)	NM_001114585	zgc:174944	1.812734601	3.446949682	-1.634215081	0.017349
peak_22835	chr3	17040709	17041192	-140269	Intergenic	NM_001077392	hcrt	5.570414389	7.204638676	-1.634224287	0.000156
peak_20490	chr14	27716002	27717307	-2737	Intergenic	NM_131041	neurog1	6.819391483	8.453642431	-1.634250948	5.27E-05
peak_21596	chr5	18018160	18019298	-19036	Intergenic	NM_001114917	kremen1	7.984759386	9.619011824	-1.634252437	8.98E-05
peak_28535	chr23	37854066	37854374	-54655	Intergenic	NM_131881	irx7	4.218747627	5.853045498	-1.634297871	0.001303
peak_26618	chr21	28231668	28232669	90504	Intergenic	NM_001003543	zgc:100829	5.404491329	7.03880507	-1.634313741	0.000681
peak_28764	chr6	4487052	4487515	55083	Intergenic	NM_201285	pou4f1	5.534257622	7.168574397	-1.634316775	0.001402
peak_35332	chr15	3197933	3198536	-143548	Intergenic	NM_001045369	zgc:153184	4.948094724	6.582423576	-1.634328852	0.00737
peak_22758	chr13	34048455	34050474	2171	intron (NM_001256646, intron 1 of 2)	NM_001256646	flrt3	7.778132907	9.412744248	-1.634611341	0.000151
peak_19988	chr5	17871810	17872553	48319	Intergenic	NM_001004541	zgc:92445	7.60987064	9.244569793	-1.634699153	4.10E-05
peak_23561	chr14	36233942	36234586	124704	Intergenic	NM_001007108	il12ba	6.07381577	7.708575593	-1.634759824	0.000212
peak_43929	chr5	10937281	10937539	15204	exon (NM_001114430, exon 7 of 12)	NM_001114430	slc2a11b	3.57277984	5.207556439	-1.6347766	0.03267
peak_27185	chr6	4713476	4714432	281754	Intergenic	NM_201285	pou4f1	5.375064497	7.010051807	-1.63498731	0.000828
peak_35948	chr22	41905372	41905798	36290	intron (NM_131379, intron 2 of 15)	NM_131379	kal1b	4.226989601	5.862139682	-1.635150081	0.008444
peak_24490	chr2	31736979	31737813	3240	Intergenic	NM_200172	mycb	5.480496525	7.115732806	-1.635236281	0.000314
peak_27136	chr5	54786303	54786636	30326	intron (NM_213514, intron 4 of 11)	NM_213514	serinc5	4.164465597	5.799753321	-1.635287724	0.000813
peak_28762	chr15	34056038	34056299	60320	Intergenic	NM_001024447	tnfb	4.036020788	5.671330276	-1.635309488	0.001402
peak_26925	chr24	14050690	14051254	62363	Intergenic	NM_001012259	xkr9	4.618300328	6.253654403	-1.635354075	0.00076
peak_23179	chr21	7517586	7518231	-3993	Intergenic	NM_001128703	otpa	5.838389091	7.473755555	-1.635366464	0.000182
peak_30066	chr9	39156722	39157090	30513	intron (NM_001113519, intron 2 of 13)	NM_001113519	cacnb4a	4.202051377	5.837486431	-1.635435054	0.002061
peak_32495	chr23	36192655	36193070	10263	intron (NM_001134685, intron 2 of 4)	NM_131122	hoxc4a	4.64320069	6.278805276	-1.635604586	0.003887
peak_28072	chr18	7776980	7777985	-7546	Intergenic	NM_001100012	chkb	6.149950753	7.785696152	-1.635745399	0.001128
peak_30770	chr9	29487260	29487636	-55069	Intergenic	NM_001044766	klf7b	3.684926177	5.32070775	-1.635781574	0.002467
peak_35572	chr4	60168863	60169143	-77124	Intergenic	NM_201580	nup50	4.147125313	5.782984844	-1.635859531	0.00779
peak_23553	chr10	12482372	12482990	-347454	Intergenic	NM_001004502	lpar1	5.079047629	6.714995437	-1.635947808	0.000211
peak_29189	chr9	48753594	48753903	128170	Intergenic	NM_001003480	zgc:92380	4.836828832	6.472841869	-1.636013037	0.001602
peak_33870	chr7	36480445	36480783	40523	Intergenic	NM_001017724	zgc:112160	3.911263383	5.547417066	-1.636153682	0.005362
peak_24856	chr13	11160608	11161140	4964	Intergenic	NM_001082952	zbtb18	5.676328145	7.312539438	-1.636211294	0.000369
peak_27251	chr16	20890846	20891150	-40682	Intergenic	NM_199736	slc6a19b	4.282403856	5.91868981	-1.636285954	0.000848
peak_27014	chr14	168666	169488	41	promoter-TSS (NM_131273)	NM_131273	msxe	6.764125411	8.400541154	-1.636415743	0.000781
peak_24313	chr11	24599028	24599591	-133683	Intergenic	NM_001145767	nfasca	4.727969758	6.364478468	-1.63650871	0.000294
peak_21553	chr15	34626316	34626873	76968	Intergenic	NM_001080189_1	zgc:158328	5.95451126	7.591020244	-1.636508984	8.79E-05
peak_36222	chr7	57226618	57227197	-134946	Intergenic	NM_212606	cdh15	4.534285299	6.170854967	-1.636569669	0.008953
peak_19425	chr11	2827843	2828765	86228	Intergenic	NM_001080669	srpk1b	7.54184915	9.17858434	-1.63673519	2.97E-05
peak_25006	chr6	20062580	20063005	-15705	Intergenic	NM_001002216	gadd45ab	4.902426009	6.539215304	-1.636789295	0.000389
peak_30108	chr12	42413243	42413620	-716312	Intergenic	NM_212880	zgc:76887	4.568099124	6.204889215	-1.63679009	0.002083
peak_28118	chr23	9551017	9551504	-64169	Intergenic	NM_199872	osbpl2b	5.03802974	6.674846344	-1.636816604	0.001147
peak_35338	chr22	912022	912364	36481	intron (NM_001146150, intron 25 of 43)	NM_001146150	cacna1sa	3.036020788	4.672988568	-1.636967779	0.007379
peak_28325	chr5	16347970	16348625	-60153	Intergenic	NM_001128246	sc:d411	5.427181529	7.064214078	-1.637032548	0.001224
peak_30577	chr18	7361784	7362479	259355	Intergenic	NM_001044963	rabl2	5.203280236	6.840348381	-1.637068145	0.002355
peak_24113	chr16	35943285	35943689	20730	Intergenic	NM_199998	utp11l	4.8718786	6.509217494	-1.637338894	0.00027
peak_36969	chr19	15049073	15049443	45933	intron (NM_001135132, intron 1 of 2)	NM_001135132	si:ch211-206a7.2	3.746926107	5.384397505	-1.637471397	0.010515
peak_21698	chr7	555322	557722	-39862	intron (NM_001079984, intron 3 of 8)	NM_001079984_1	nrxn2b	8.21370322	9.851280819	-1.637577599	9.38E-05
peak_25082	chr2	34273572	34274125	-417846	Intergenic	NM_001003878	cenpl	6.281838832	7.919515037	-1.637676205	0.0004
peak_28751	chr8	37400285	37400738	-25018	Intergenic	NM_200957	slc15a4	4.397697102	6.035388439	-1.637691337	0.001395
peak_30431	chr5	40645486	40645961	-42098	intron (NM_001130840, intron 46 of 71)	NM_001004632	anxa3a	5.71709532	7.354808949	-1.637713629	0.002273
peak_30681	chr21	7378615	7379092	-106074	Intergenic	NM_201054	tbca	5.384599703	7.022477025	-1.637877321	0.002414
peak_28171	chr3	61787385	61788093	6879	exon (NM_212783, exon 3 of 5)	NM_212783	pvalb4	6.14685126	7.784772967	-1.637921708	0.001165
peak_24887	chr10	35451500	35452408	-261336	Intergenic	NM_001013500	nbeaa	6.445266921	8.083521272	-1.638254352	0.000372
peak_41523	chr4	61356099	61357384	-15687	Intergenic	NM_001048065	si:dkey-61p9.11	2.238682765	3.877065653	-1.638382887	0.023014
peak_21302	chr25	11716309	11717929	-323663	Intergenic	NM_001265607	mespbb	6.963554489	8.602054556	-1.638500067	7.74E-05
peak_35417	chr3	62744910	62745333	3883	intron (NM_001105129, intron 1 of 17)	NM_001105129	srebf1	3.886118348	5.524646851	-1.638528503	0.007529
peak_40921	chr7	4297283	4297705	-913	promoter-TSS (NM_200993)	NM_200993	zgc:55733	3.812734601	5.451297936	-1.638563335	0.021027
peak_24091	chr15	19733536	19734432	-41045	Intergenic	NM_131403	tpst1	5.035350516	6.673968094	-1.638617578	0.000267
peak_29417	chr20	29906656	29907205	-16632	Intergenic	NM_001002727	rnf144ab	4.222285668	5.861099626	-1.638813958	0.001713
peak_28244	chr5	70975072	70975469	-517	promoter-TSS (NM_001003866)	NM_001003866	gtf3aa	5.104268411	6.743089951	-1.63882154	0.001187
peak_29061	chr21	44246597	44246995	18620	Intergenic	NM_200849	slc22a4	4.592962636	6.231850684	-1.638888048	0.001541
peak_32193	chr14	2535513	2535905	8667	intron (NM_001009590, intron 4 of 6)	NM_001009590	pcdh2ab11	3.875671743	5.514747378	-1.639075635	0.003589
peak_28058	chr20	52617424	52618205	36161	intron (NM_200890, intron 10 of 12)	NM_200890	naprt1	5.89870265	7.537838981	-1.639136331	0.001123
peak_39952	chr2	32955546	32956030	48285	Intergenic	NM_001076570	rnf220a	4.388217726	6.027457809	-1.639240083	0.017903
peak_19760	chr8	49312855	49313585	-4995	intron (NM_201205, intron 8 of 9)	NM_001126457	ybx1	8.301250136	9.940691127	-1.639440991	3.57E-05
peak_21187	chr23	33153819	33155040	-349515	Intergenic	NR_029935		6.487143444	8.126585637	-1.639442193	7.38E-05
peak_23971	chr17	9509496	9510071	285038	Intergenic	NM_213310	egln3	6.055382317	7.694910249	-1.639527932	0.000254
peak_23932	chr13	17192987	17193657	320013	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	6.24307725	7.882659417	-1.639582167	0.00025
peak_23350	chr19	49053040	49054100	128901	Intergenic	NM_173223	sdc2	7.083107078	8.722726154	-1.639619076	0.000194
peak_25676	chr17	12345220	12345666	16065	intron (NM_001045342, intron 1 of 3)	NM_001045342	emilin1b	5.988578346	7.628311692	-1.639733347	0.000491
peak_43368	chr15	4353957	4354616	32806	intron (NM_198208, intron 2 of 13)	NM_198208	tfdp2	5.020485663	6.660237035	-1.639751372	0.030291
peak_34264	chr18	24163684	24164265	96606	Intergenic	NR_120393		4.168139123	5.807934533	-1.63979541	0.005857
peak_29198	chr9	34914398	34914923	-21892	Intergenic	NR_039078		4.093967964	5.733938743	-1.639970779	0.001607
peak_43983	chr25	599597	599876	-54738	Intergenic	NM_001098393	zgc:162740	2.563403173	4.203373977	-1.639970803	0.032861
peak_38237	chr5	10871588	10871879	-33024	Intergenic	NM_001109861	si:ch211-241p16.	3.329220506	4.969230965	-1.64001046	0.01336
peak_27626	chr9	18017152	18017602	62371	Intergenic	NM_001002190	rgcc	5.298726614	6.939091773	-1.640365159	0.000968
peak_31457	chr3	25784350	25784620	130208	Intergenic	NM_130998	ntn1b	4.412286634	6.052653822	-1.640367188	0.002957
peak_29425	chr7	13249105	13249580	59344	Intergenic	NM_001037578	fam154b	4.837642815	6.478105016	-1.640462201	0.001718
peak_22716	chr3	12327014	12327605	30623	intron (NM_001076757, intron 4 of 7)	NM_001076757	pdgfab	5.222874499	6.863505616	-1.640631117	0.000149
peak_21227	chr19	7365888	7366735	30993	intron (NM_001245959, intron 1 of 5)	NM_001245959	pvrl2l	7.416653319	9.057420076	-1.640766756	7.47E-05
peak_25351	chr22	17000406	17000865	19648	Intergenic	NM_001099263	tm2d1	4.85293938	6.493812718	-1.640873338	0.00044
peak_24781	chr5	1472959	1473683	36552	intron (NM_212768, intron 5 of 5)	NM_212768	mbd2	5.414350268	7.055283852	-1.640933584	0.000357
peak_29972	chr3	56687698	56688065	70774	Intergenic	NM_131561	axin2	3.967238845	5.608204999	-1.640966154	0.002012
peak_31268	chr9	7185352	7186415	-55064	Intergenic	NM_001161497	coa5	4.984744196	6.625716497	-1.640972301	0.002819
peak_43908	chr3	50357394	50357760	-33760	Intergenic	NM_001003571	dnajb1a	2.883141315	4.524277928	-1.641136614	0.032591
peak_24395	chr17	50370649	50371133	138645	Intergenic	NM_001032728	cox7a2a	5.017094822	6.658232467	-1.641137645	0.000304
peak_24213	chr6	2169526	2169966	51935	intron (NM_001083853, intron 3 of 9)	NM_207083	med8	4.570876996	6.212175602	-1.641298606	0.000282
peak_20235	chr15	28058643	28059444	-32505	Intergenic	NM_200018	blmh	8.022710103	9.664058568	-1.641348465	4.67E-05
peak_30857	chr1	4849452	4849892	-149176	Intergenic	NM_001145693	abcb6a	4.389328476	6.030751829	-1.641423353	0.002531
peak_28807	chr9	6698006	6698703	4331	Intergenic	NM_131150	pou3f3a	5.870022144	7.51146112	-1.641438976	0.001423
peak_25150	chr12	2326177	2326668	-169059	Intergenic	NM_131643	sox9a	5.118261731	6.759704325	-1.641442594	0.000409
peak_39855	chr2	16241332	16241733	-28679	Intergenic	NM_001017611	zgc:110269	4.213947586	5.855440308	-1.641492722	0.017569
peak_27796	chr1	12933908	12934188	28858	Intergenic	NM_001005769	zgc:101819	4.157090365	5.798587877	-1.641497512	0.001029
peak_21275	chr4	24901429	24902076	-17791	Intergenic	NM_001044813	tmcc3	6.383779346	8.025311328	-1.641531983	7.63E-05
peak_28383	chr8	12692674	12693215	57315	Intergenic	NM_001024214	endog	5.320411752	6.962003249	-1.641591497	0.001241
peak_21721	chr7	50120046	50121271	1485	TTS (NM_001002040)	NM_001002040	cdkn1c	7.412787765	9.054401178	-1.641613413	9.48E-05
peak_23087	chr4	16082993	16083714	40727	intron (NM_001033585, intron 6 of 14)	NM_001033585	sox5	6.132802262	7.774473986	-1.641671724	0.000175
peak_23672	chr4	19393535	19394113	27374	intron (NM_131900, intron 30 of 46)	NM_001080613	napepld	6.340659428	7.982621741	-1.641962313	0.000222
peak_37148	chr1	30719796	30720243	52533	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	4.078435017	5.720438649	-1.642003632	0.010869
peak_24058	chr17	26551248	26552116	10980	Intergenic	NM_213351	calm1a	6.145920112	7.78801752	-1.642097409	0.000263
peak_32021	chr12	6141028	6141557	18199	intron (NM_001190309, intron 1 of 25)	NM_001190309	itga3b	3.83917979	5.481319441	-1.64213965	0.003445
peak_34171	chr9	41248470	41249148	-164093	Intergenic	NM_001161762	si:zfos-1425h8.1	4.420523517	6.062757236	-1.642233718	0.005727
peak_36211	chr18	45515654	45516011	-232253	Intergenic	NM_199925	zgc:77304	3.743647192	5.385901	-1.642253808	0.008937
peak_28384	chr14	6857193	6857647	-55465	Intergenic	NM_131444	gnb2l1	4.992402332	6.634661203	-1.642258871	0.001241
peak_32948	chr12	39385644	39385892	-548253	Intergenic	NM_001040355	pmp22b	3.65197232	5.294273274	-1.642300954	0.004347
peak_24918	chr9	18937630	18938074	104270	Intergenic	NM_001003476	dnajc15	5.113824016	6.756161198	-1.642337182	0.000375
peak_24007	chr13	3522447	3523030	68401	Intergenic	NM_201129	ncoa4	5.82327967	7.465664551	-1.642384881	0.000257

peak_33156	chr22	40283669	40284027	51836	Intergenic	NM_213118	sox2	4.122091483	5.764512361	-1.642420878	0.004561
peak_41907	chr13	45635574	45636461	5870	exon (NM_130925, exon 8 of 9)	NM_130925	khdrbs1a	4.719649537	6.362192989	-1.642543452	0.024359
peak_34043	chr19	12946500	12946859	-2197	Intergenic	NM_001003776	ncaldb	4.017134431	5.659881201	-1.64274677	0.00558
peak_25361	chr15	33768271	33768683	-53707	Intergenic	NM_212883	agmo	4.310441227	5.953241508	-1.642800281	0.000442
peak_32059	chr9	34002580	34003093	-8793	Intergenic	NM_205669	nhlh2	4.558800733	6.201647317	-1.642846584	0.003479
peak_24281	chr7	37609414	37609913	-185099	Intergenic	NM_200105	aktip	5.463597649	7.106454411	-1.642856762	0.000291
peak_30647	chr3	17915560	17916670	2021	exon (NM_198363, exon 2 of 2)	NM_198363	tob1a	4.915640605	6.5585334	-1.642892795	0.002393
peak_28853	chr25	7258733	7259248	-368334	Intergenic	NM_001089334	hmg20a	4.330313843	5.97335019	-1.643036347	0.001445
peak_40489	chr5	29020301	29020995	-28847	Intergenic	NM_194391	hdr	4.385125888	6.028174831	-1.643048943	0.019559
peak_32861	chr8	34898683	34899329	7300	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	6.071202246	7.714271926	-1.64306968	0.004239
peak_30819	chr14	42706628	42706885	54277	Intergenic	NM_001014313	tmem35	3.389328476	5.032444507	-1.643116031	0.002507
peak_26835	chr3	9114328	9114705	-20375	Intergenic	NM_131836_1	sim2	4.345534194	5.988809198	-1.643275004	0.000737
peak_30700	chr15	30230189	30230568	67480	Intergenic	NM_001102630	zgc:171951	3.972850631	5.616186132	-1.643335501	0.002429
peak_22589	chr7	10603285	10604038	21220	intron (NM_001044745, intron 4 of 12)	NM_001044745	aldh1a3	7.520877306	9.164263944	-1.643386639	0.000141
peak_31323	chr8	996458	996849	-10814	Intergenic	NM_001039629	ptger4a	4.336856522	5.980330936	-1.643474413	0.002862
peak_26265	chr12	6074722	6075356	2820	exon (NM_131322, exon 3 of 3)	NM_131322	dlx3b	4.792204096	6.43569083	-1.643486735	0.000601
peak_23795	chr8	1424284	1424745	9454	Intergenic	NM_131026	efna5b	5.20506941	6.848594581	-1.643525171	0.000236
peak_33120	chr19	978027	978407	36492	Intergenic	NM_200413	slc44a4	4.368129927	6.011683621	-1.643553694	0.004529
peak_27654	chr20	29897508	29898539	-7725	Intergenic	NM_001002727	rnf144ab	5.7514701	7.395030137	-1.643560037	0.000976
peak_24302	chr15	29979876	29980328	133924	intron (NM_201109, intron 7 of 14)	NM_201109	msi2b	4.701970026	6.345652026	-1.643682001	0.000293
peak_21881	chr22	33514640	33515951	147746	Intergenic	NM_001040377	zgc:136895	6.684938643	8.328777569	-1.643838926	0.000103
peak_43361	chr11	19137933	19138342	-12496	Intergenic	NM_131245	id1	4.21276237	5.856604287	-1.643841917	0.030264
peak_38265	chr10	45175295	45176612	-324	promoter-TSS (NM_131312)	NM_131312	mef2ca	5.160782694	6.804874994	-1.6440923	0.013419
peak_34467	chr17	18021090	18021469	73155	Intergenic	NM_001099260	bcl11ba	4.180387832	5.824496377	-1.644108545	0.006143
peak_31644	chr7	69017266	69017623	95867	Intergenic	NM_200672	swap70a	3.68663467	5.330757407	-1.644122736	0.003122
peak_21172	chr18	9156371	9156997	209130	Intergenic	NM_001045084	sema3e	6.561117372	8.205273444	-1.644156072	7.33E-05
peak_26896	chr6	26372599	26373057	-104717	Intergenic	NM_001037680	sox14	4.926525907	6.57072586	-1.644199953	0.000752
peak_26479	chr2	29452001	29452493	26645	Intergenic	NM_207641	ptf1a	4.065285294	5.709601926	-1.644316632	0.000647
peak_37134	chr16	222242	222927	-54826	Intergenic	NM_205698	irx4a	4.671134553	6.315498428	-1.644363875	0.010837
peak_34746	chr8	13627448	13627676	3555	intron (NM_001024386, intron 1 of 40)	NM_001024386	itgb4	3.26649893	4.910904431	-1.644405501	0.006477
peak_27968	chr20	46076343	46076666	-4	promoter-TSS (NM_001083038)	NM_001083038	taar10	3.815860363	5.460336272	-1.64447591	0.001093
peak_25565	chr25	22751421	22752051	-79246	Intergenic	NM_001098250	sigirr	5.101031722	6.745648021	-1.644616299	0.000474
peak_34808	chr16	58251204	58251658	-29743	Intergenic	NM_001077321_1	spag1b	2.944570835	4.589224211	-1.644653376	0.006567
peak_21038	chr17	1111785	1113251	22524	intron (NM_001281801, intron 1 of 11)	NM_001281801	akt1	7.714615955	9.359277311	-1.644661356	6.84E-05
peak_21977	chr24	2453712	2454661	-74969	Intergenic	NM_001076711	f13a1a.1	7.797375709	9.442055971	-1.644680262	0.000108
peak_31765	chr19	15139826	15140315	136745	Intergenic	NM_001135132	si:ch211-206a7.2	5.020485663	6.665196707	-1.644711044	0.00324
peak_40859	chr24	41022560	41022952	68821	Intergenic	NM_001002506	lyrm1	3.408090078	5.052859442	-1.644769364	0.020753
peak_18846	chr20	4190521	4191541	12358	intron (NM_001113647, intron 1 of 12)	NM_001113647	zgc:172112	7.99645442	9.641306443	-1.644852022	2.18E-05
peak_37925	chr12	32862267	32862566	-72128	intron (NM_001034980, intron 7 of 7)	NM_131259	tcf7l2	2.555944961	4.200936275	-1.644991314	0.012566
peak_33481	chr8	7165270	7165699	18895	intron (NM_001130781, intron 5 of 7)	NM_001130781	vsig8b	4.298135349	5.94317231	-1.64503696	0.004899
peak_27060	chr6	56999183	56999602	427147	Intergenic	NM_001002869	ddx27	5.265894306	6.911021739	-1.645127433	0.000792
peak_24173	chr9	27069422	27070180	-46467	Intergenic	NM_001128555	arhgap15	6.00651233	7.651769487	-1.645257157	0.000278
peak_41064	chr6	56287060	56287310	167808	Intergenic	NM_001008576_1	tfap2c	3.412226395	5.057570957	-1.645344562	0.021554
peak_25282	chr1	4812281	4812609	-186403	Intergenic	NM_001145693	abcb6a	4.371320339	6.016712892	-1.645392553	0.00043
peak_24389	chr7	64234739	64235217	1057004	Intergenic	NM_131287	sox17	4.873379551	6.518812137	-1.645432587	0.000303
peak_21808	chr9	55101675	55104864	1071	exon (NM_001009888, exon 1 of 1)	NM_001009888	sox21b	8.504290625	10.14979313	-1.645502508	9.95E-05
peak_35281	chr24	33370454	33370942	8496	intron (NM_001018143, intron 5 of 9)	NM_001018143	trdmt1	4.145956337	5.791506406	-1.645550069	0.007302
peak_30526	chr1	5390360	5391037	-33106	Intergenic	NM_001020643	klf7a	5.118894578	6.764450281	-1.645555703	0.002323
peak_37235	chr6	33305427	33306272	70925	Intergenic	NM_201143	pik3r3b	3.943142188	5.588737393	-1.645595204	0.01108
peak_35851	chr14	5133787	5134410	-257927	Intergenic	NM_001007134	lbx2	3.224639552	4.870383359	-1.645743807	0.0083
peak_24689	chr11	20481915	20482738	4809	Intergenic	NM_131636	fezf2	5.804080716	7.449830432	-1.645749716	0.000344
peak_23204	chr24	5146223	5147098	88725	Intergenic	NM_001076612	zic4	6.2920083	7.937822963	-1.645814663	0.000184
peak_37002	chr18	36924800	36925437	166790	Intergenic	NM_001089357	alx4b	5.299843298	6.945778871	-1.645935573	0.01057
peak_32107	chr7	37658833	37659141	-135775	Intergenic	NM_200105	aktip	4.152152513	5.798178583	-1.64602607	0.00351
peak_27838	chr16	11510866	11511242	-19426	Intergenic	NM_001114410	ncalda	4.520884289	6.16700038	-1.64611609	0.001045
peak_28416	chr18	17707534	17707988	47706	intron (NM_001080164, intron 4 of 5)	NM_001080164	si:ch211-212o1.2	4.498630944	6.1449176	-1.646286655	0.001256
peak_32322	chr1	46441333	46441869	12474	intron (NM_001008624, intron 1 of 20)	NM_001008624	arhgef7b	4.239846886	5.886146605	-1.646299719	0.003715
peak_23993	chr14	30710667	30711298	-41344	Intergenic	NM_001042718	pdlim3b	5.741618051	7.387927564	-1.646309513	0.000256
peak_21814	chr6	2396994	2397548	32002	Intergenic	NM_200334	hyi	5.637470398	7.284202753	-1.646732355	9.97E-05
peak_22895	chr24	5211267	5212103	-105788	Intergenic	NM_001007377	plod2	6.582663785	8.229473662	-1.646809877	0.000161
peak_26044	chr17	31588405	31588775	-46070	Intergenic	NM_001006660	ltk	4.571801766	6.218758845	-1.64695708	0.000558
peak_24240	chr1	14119347	14119914	134202	Intergenic	NM_001045485	pi4k2b	6.126170792	7.773217752	-1.64704696	0.000286
peak_42690	chr18	46686614	46687035	66326	Intergenic	NM_001037706	smtla	3.546567647	5.193627152	-1.647059505	0.02725
peak_28424	chr24	2831211	2831601	129986	Intergenic	NM_001105594_1	fars2	4.795374608	6.442434497	-1.647059889	0.001258
peak_38249	chr5	46469346	46469596	-7241	Intergenic	NM_199942	fbp1a	3.529533336	5.176645285	-1.647111949	0.013388
peak_27739	chr7	10134277	10134858	27711	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	5.588400367	7.235630036	-1.647229669	0.001007
peak_24428	chr20	31663957	31664531	-141036	Intergenic	NM_001044819	sash1a	5.897618191	7.54507471	-1.647456519	0.000308
peak_22391	chr13	53900953	53902518	8227	intron (NM_200631, intron 2 of 2)	NM_200631	srfb	8.119136437	9.766600193	-1.647463756	0.000129
peak_23372	chr18	1307386	1308010	-109709	Intergenic	NM_198912	pepd	6.164465597	7.812005631	-1.647540033	0.000196
peak_30396	chr7	51940351	51940895	-73144	Intergenic	NM_001127470	hypk	4.537128982	6.184746039	-1.647617057	0.002248
peak_27232	chr15	46721081	46722683	-51087	Intergenic	NM_001017599	h3f3b.1	6.57781179	8.225613178	-1.647801387	0.000843
peak_38086	chr17	21500315	21500705	113657	Intergenic	NM_001115098	hmx2	4.453125797	6.100974887	-1.64784909	0.012972
peak_33104	chr18	23639828	23640249	19027	Intergenic	NM_131183	nr2f2	4.069219889	5.717136384	-1.647916495	0.00451
peak_35473	chr11	24864899	24865270	9224	intron (NM_131446, intron 1 of 18)	NM_131446	cntn2	3.732111944	5.380373049	-1.648261105	0.007607
peak_31129	chr14	5502542	5503267	49762	Intergenic	NM_182871	fgf24	5.824078691	7.472363858	-1.648285166	0.002708
peak_30486	chr4	16070786	16071282	53046	intron (NM_001033585, intron 8 of 14)	NM_001033585	sox5	4.168139123	5.816473236	-1.648334113	0.002304
peak_36119	chr25	714486	714971	60254	intron (NM_001098393, intron 2 of 7)	NM_001098393	zgc:162740	4.300368768	5.948766188	-1.64839742	0.008768
peak_37581	chr25	35131640	35132028	71058	Intergenic	NM_131285	foxb1a	3.993783045	5.642242017	-1.648458973	0.011818
peak_26099	chr25	2607856	2608320	-20	promoter-TSS (NM_001077466)	NM_001077466	bbs4	4.795374608	6.444276174	-1.648901566	0.000569
peak_30022	chr5	69572834	69573322	-149375	Intergenic	NM_001083565	hip1rb	4.766538874	6.415448375	-1.6489095	0.002037
peak_42804	chr6	28259975	28260442	-206561	intron (NM_201198, intron 5 of 10)	NM_001089528	tprg1	4.281273587	5.930325739	-1.649052152	0.027701
peak_31080	chr24	29137386	29137786	13856	intron (NM_001030253, intron 1 of 1)	NM_001030253	bcl2a	4.2869161	5.935978549	-1.64906245	0.002669
peak_25750	chr22	7013970	7014411	-42001	intron (NM_214791, intron 5 of 9)	NM_198358	smarcd1	4.786638878	6.43577084	-1.649131962	0.000505
peak_30438	chr21	22917993	22918352	106465	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	4.271061115	5.920200051	-1.649138936	0.002275
peak_28578	chr15	16550566	16551240	124886	Intergenic	NM_213076	rps6kb1b	4.10167217	5.750831988	-1.649159818	0.001322
peak_43768	chr9	21566041	21566434	-21286	Intergenic	NM_001256622	wu:fj20e02	3.519982194	5.169176766	-1.649194572	0.03208
peak_20974	chr16	3883177	3884178	-129225	Intergenic	NM_001020660	cyb5r4	6.38747603	8.036686777	-1.649210747	6.62E-05
peak_32199	chr1	16388046	16388666	-30301	Intergenic	NM_214702	slc25a4	4.851417001	6.50102266	-1.649605659	0.003592
peak_29285	chr6	14303592	14304209	-100992	Intergenic	NM_001128547	inpp4ab	4.882396095	6.532024101	-1.649628006	0.001656
peak_25809	chr7	17617733	17617983	185388	Intergenic	NM_131158	dbx1a	4.221107285	5.870880406	-1.649773121	0.000515
peak_31528	chr5	28106489	28107062	31027	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	4.023907976	5.673899104	-1.649991127	0.003023
peak_25203	chr11	18794333	18794931	-100232	Intergenic	NM_200467	tmem110	5.805260725	7.455415805	-1.65015508	0.000417
peak_29318	chr24	258467	258855	-17999	intron (NM_001089337, intron 2 of 7)	NM_001020572	impa2	4.702814493	6.353046324	-1.650231831	0.001674
peak_29793	chr20	1897373	1897747	128537	intron (NM_001278799, intron 12 of 49)	NM_001278799	lama2	4.422575411	6.072982957	-1.650407546	0.001914
peak_34736	chr8	11323420	11323872	57861	Intergenic	NM_001083016	fxn	4.045372053	5.695853403	-1.65048135	0.006465
peak_34425	chr12	28818885	28819218	4826	Intergenic	NM_199644	arl4d	3.653720264	5.304233883	-1.650513619	0.006086
peak_19934	chr2	21586170	21588123	57307	Intergenic	NM_201454	rab2a	8.413049554	10.06368898	-1.650639426	3.96E-05
peak_20657	chr18	19431216	19432173	2762	intron (NM_001045051, intron 1 of 3)	NM_001045051	LOC564395	6.346901136	7.997656624	-1.650755488	5.73E-05
peak_30257	chr20	6728580	6729154	88712	Intergenic	NM_001171033	si:ch211-191a24.	3.224639552	4.875471386	-1.650831835	0.002172
peak_21926	chr8	23933468	23934798	450	intron (NM_001045205, intron 1 of 3)	NM_001123314	si:dkey-70p6.1	7.038374051	8.689209823	-1.650835772	0.000106
peak_23072	chr9	30792360	30793056	87847	intron (NM_001077576, intron 8 of 13)	NM_200271	rnaseh2b	5.162011373	6.81297317	-1.650961797	0.000174
peak_32780	chr7	38364755	38365117	344015	Intergenic	NR_036681		4.618300328	6.269279798	-1.65097947	0.004158
peak_23037	chr8	1532965	1533530	73430	Intergenic	NM_131026_1	efna5b	5.941670391	7.592657603	-1.650987213	0.000172
peak_34489	chr13	18614844	18615089	20151	intron (NM_001076573, intron 4 of 6)	NM_001076573	zgc:154058	3.335768134	4.987046063	-1.651277929	0.006181
peak_23759	chr2	11485511	11486066	-31580	Intergenic	NM_001020566	zgc:110130	6.811560692	8.463058932	-1.65149824	0.000232

peak_34579	chr15	29836755	29837084	105861	intron (NM_201109, intron 11 of 14)	NM_001003615	mrps23	3.44299439	5.094584287	-1.651589897	0.006299
peak_30098	chr13	1734047	1734727	10444	intron (NM_001110400_1, intron 4 of 5)	NM_001110400_1	hmgcll1	5.497686434	7.149326876	-1.651640442	0.00208
peak_33770	chr4	22989940	22990326	-90624	Intergenic	NM_194401	celf2	3.931577743	5.583322975	-1.651745232	0.005225
peak_25359	chr14	42056762	42057295	61510	Intergenic	NM_131159	ef1	5.516540244	7.168314509	-1.651774265	0.000442
peak_42721	chr4	2698915	2699272	-108955	Intergenic	NM_001044997	slco1c1	3.707078536	5.359118705	-1.652040169	0.027351
peak_34686	chr15	351759	352077	-102673	Intergenic	NM_131034	gbas	3.653720264	5.305774028	-1.652053763	0.006421
peak_22535	chr9	31729444	31730129	-23570	Intergenic	NM_001109865	klf12b	5.504967087	7.157109602	-1.652142515	0.000137
peak_38254	chr1	23783212	23783738	250976	Intergenic	NM_001130587	tmem154	4.484893018	6.137215054	-1.652322035	0.0134
peak_28059	chr6	25849461	25849955	-162122	Intergenic	NM_212689	lmo4b	4.811169177	6.463512136	-1.652342959	0.001123
peak_38203	chr13	18969916	18970337	-85875	Intergenic	NM_001145606	lzts2a	3.920004586	5.57267307	-1.652668483	0.013288
peak_36285	chr7	16364035	16364373	148193	intron (NM_152969, intron 19 of 20)	NM_152969	igf1rb	3.459077363	5.11176667	-1.652689307	0.009093
peak_27757	chr7	69465716	69466412	-17364	Intergenic	NM_001002386	kars	6.030669487	7.683446065	-1.652776577	0.001017
peak_30455	chr23	23325216	23325606	148148	Intergenic	NM_001003830	noc2l	5.169972384	6.82286547	-1.652893086	0.002287
peak_30722	chr5	59703785	59704181	-183787	Intergenic	NM_001002723_2		4.333588892	5.986570163	-1.652981272	0.00244
peak_26050	chr22	37685444	37685975	-3107	Intergenic	NM_001079972	lcor	5.414350268	7.067408365	-1.653058097	0.000559
peak_24222	chr17	46670168	46670707	694768	Intergenic	NR_029933		5.921456318	7.574613036	-1.653156717	0.000283
peak_30542	chr23	35882911	35883112	-10219	Intergenic	NM_001285536	nr1d4a	3.344452335	4.997744251	-1.653291916	0.002332
peak_29769	chr1	33968165	33968578	39765	Intergenic	NM_001034019	kctd12.2	4.507357632	6.160703493	-1.653345861	0.001901
peak_28210	chr6	43973774	43974162	1643	intron (NM_001012373, intron 2 of 5)	NM_001012373	rybpb	4.317074445	5.970580376	-1.653505931	0.001178
peak_20680	chr17	43779037	43780077	-69404	Intergenic	NM_183341	egr2a	7.839919674	9.493458923	-1.653539249	5.82E-05
peak_35556	chr17	9746149	9746618	48438	Intergenic	NM_213310	egln3	4.900175966	6.553861809	-1.653685844	0.007767
peak_20537	chr16	54351880	54352885	-358794	Intergenic	NM_213187	dhdds	7.55058098	9.204370585	-1.653789606	5.39E-05
peak_26730	chr13	35685320	35685984	8471	intron (NM_200411, intron 2 of 11)	NM_200411	slx4ip	5.655953098	7.310011547	-1.654058449	0.000709
peak_27858	chr9	8720522	8720917	230657	Intergenic	NM_212771	rab20	4.387228713	6.04146132	-1.654232607	0.00105
peak_38899	chr9	5495633	5496033	-133285	Intergenic	NM_001037685	abhd13	3.333588892	4.98798492	-1.654396028	0.014978
peak_28916	chr24	40289804	40290270	10866	intron (NM_001037415, intron 1 of 7)	NM_001037415	ntn2	4.451058288	6.105456088	-1.6543978	0.001476
peak_22593	chr11	10722511	10723084	117545	Intergenic	NM_198876	b3gnt5a	6.211610793	7.866234744	-1.65462395	0.000141
peak_27507	chr1	22854971	22855488	4748	Intergenic	NM_152975	mab21l2	5.79460574	7.449241407	-1.654635667	0.000928
peak_24130	chr6	12874235	12874981	-5458	Intergenic	NM_001082849	mcm6	5.31265569	6.967442259	-1.654786569	0.000273
peak_36800	chr19	26395656	26396067	-60804	Intergenic	NM_001202459	jarid2b	4.274407033	5.929283876	-1.654876843	0.010112
peak_39387	chr3	26634113	26634417	37187	Intergenic	NM_212762	rps15a	3.681503107	5.336608196	-1.655105088	0.016289
peak_36106	chr19	36408535	36408871	13223	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	3.344452335	4.999591599	-1.655139263	0.008736
peak_26295	chr21	8906976	8907312	-5394	exon (NM_001089543, exon 44 of 46)	NM_173230	sdad1	4.230507512	5.885655854	-1.655148342	0.000609
peak_33040	chr13	41368751	41369530	-2600	Intergenic	NM_001017559	morn4	4.569025676	6.224198076	-1.6551724	0.004435
peak_23615	chr17	29964763	29965641	-28756	Intergenic	NM_212954	esrrga	5.7624945	7.417681419	-1.655186919	0.000216
peak_30210	chr1	5934915	5935315	-137336	Intergenic	NM_001143751_2	erbb4a	4.075753794	5.73100512	-1.655251325	0.002149
peak_34236	chr6	54855273	54855714	-36224	Intergenic	NM_001080614	csrp1b	4.514164879	6.169814945	-1.655650066	0.005821
peak_34454	chr17	2578991	2579570	33453	Intergenic	NM_183073	bdkrb1	4.988211839	6.64407808	-1.655866242	0.006128
peak_35121	chr20	4492493	4493071	235788	Intergenic	NM_001076758	zgc:154018	5.456133867	7.112033106	-1.65589924	0.007072
peak_27015	chr2	43184598	43185078	40229	Intergenic	NM_001002311	lrrc6	4.893534166	6.549467203	-1.655933037	0.000781
peak_19326	chr17	11184242	11185548	8476	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	8.647451085	10.30343679	-1.655985709	2.82E-05
peak_20642	chr13	47079130	47079922	-38909	Intergenic	NM_001243005	fgfr2	7.94917305	9.605297452	-1.656124401	5.71E-05
peak_29099	chr1	4776965	4777289	-155462	Intergenic	NM_212965	nrp2a	4.254962771	5.911157444	-1.656194672	0.001557
peak_30924	chr3	2555324	2555780	3916	intron (NM_131875, intron 3 of 4)	NM_131875	sox10	4.137163847	5.793483058	-1.656319211	0.002568
peak_21335	chr21	2123269	2124199	271	exon (NM_001113432, exon 1 of 4)	NM_001113432	st8sia3	5.887233154	7.543557609	-1.656324455	7.86E-05
peak_43013	chr4	23254684	23254899	-355282	Intergenic	NM_194401	celf2	2.33794409	3.994321719	-1.656377629	0.028678
peak_29534	chr19	48517405	48517790	17235	Intergenic	NM_001012369	ext1b	5.054078647	6.711064048	-1.656985401	0.001773
peak_28992	chr13	45769287	45769749	5764	intron (NM_131604, intron 3 of 8)	NM_131604	runx3	5.23284803	6.889932831	-1.657084801	0.001507
peak_20330	chr7	69211319	69212081	-61283	Intergenic	NM_001007441	znf143a	7.212657386	8.869827722	-1.657170336	4.92E-05
peak_37304	chr2	56642444	56642832	-31311	Intergenic	NM_001002555	rab11bb	2.537128982	4.194384193	-1.657255211	0.01122
peak_21047	chr5	28378229	28378701	5796	5' UTR (NM_001045410, exon 2 of 8)	NM_001045410	tmem150a	5.758821157	7.416093309	-1.657272152	6.86E-05
peak_22775	chr13	5107266	5108115	138256	Intergenic	NM_131893	meis1	6.425903527	8.083182495	-1.657278969	0.000152
peak_35041	chr5	62243788	62244197	-284101	Intergenic	NM_001030174	lig3	3.763304282	5.420590912	-1.65728663	0.006928
peak_36009	chr8	54119269	54119671	-87770	intron (NM_001245969, intron 36 of 43)	NM_131058	tbx16	4.751061931	6.408500688	-1.657438757	0.008546
peak_36089	chr9	49001765	49002056	62659	Intergenic	NM_212699	arpc2	3.732111944	5.389647397	-1.657535453	0.008705
peak_25470	chr1	3293779	3294901	487471	Intergenic	NR_030045		6.781028784	8.438565723	-1.657536939	0.00046
peak_25167	chr1	1418142	1418667	-28176	Intergenic	NM_131689	atp1a1a.4	4.792997377	6.450676059	-1.657678682	0.000412
peak_27241	chr3	23512083	23512878	65	promoter-TSS (NM_199214)	NM_199214	col1a1a	5.201453983	6.859207238	-1.657753255	0.000845
peak_24122	chr15	47073420	47074763	-79738	Intergenic	NR_030402		6.06628909	7.724356767	-1.658067676	0.000271
peak_23996	chr8	26975712	26976596	39403	Intergenic	NM_001123326	dalrd3	5.533308462	7.191424784	-1.658116322	0.000256
peak_37139	chr7	65193151	65193550	98632	Intergenic	NM_131287	sox17	3.800163388	5.458429771	-1.658266383	0.010848
peak_21946	chr14	50936495	50937826	-41892	Intergenic	NM_001002065_1	ppid	7.890670463	9.549109429	-1.658438966	0.000107
peak_24367	chr25	35288728	35289328	-37159	Intergenic	NM_201218	bnip2	4.843015081	6.501494364	-1.658479283	0.000301
peak_30147	chr17	24068200	24068712	-78469	Intergenic	NM_131250	otx1b	4.219927938	5.878494556	-1.658566617	0.002111
peak_25896	chr16	6235251	6235643	-4794	intron (NM_001080653, intron 8 of 10)	NM_200320	cog6	5.452594553	7.111256514	-1.658661961	0.000532
peak_36127	chr9	46642406	46642844	28591	Intergenic	NM_001099232	zgc:165571	4.313761648	5.972482493	-1.658720845	0.00879
peak_37611	chr2	41720880	41721154	76862	Intergenic	NM_200827	efr3a	3.078435017	4.737161753	-1.658726736	0.011871
peak_33762	chr20	52659954	52660365	-6184	Intergenic	NM_200890	naprt1	3.909801353	5.568624824	-1.65882347	0.005219
peak_25095	chr4	27626200	27626598	37574	Intergenic	NM_001020599	trmu	4.519926288	6.17899182	-1.659065533	0.000402
peak_33969	chr14	46913584	46914131	81557	Intergenic	NM_001044886	si:ch211-240l14.1	4.88458718	6.543785466	-1.659198287	0.005491
peak_38877	chr7	9659907	9660248	28022	intron (NM_194409, intron 2 of 2)	NM_194409	vax2	3.756813261	5.416131036	-1.659317775	0.014936
peak_24051	chr8	21680987	21681712	-732	promoter-TSS (NM_001007447)	NM_001007447	cpt2	6.828341271	8.487691127	-1.659349857	0.000263
peak_19110	chr16	49075070	49076065	80463	Intergenic	NM_001077744	otud7b	7.728908834	9.388268815	-1.659359982	2.53E-05
peak_42241	chr8	54126953	54127281	84659	intron (NM_001245969, intron 36 of 43)	NM_001245969	cabin1	3.609268369	5.268671341	-1.659402972	0.025437
peak_43300	chr20	42848289	42850577	-17953	Intergenic	NM_001030117	si:ch211-171o19.1	6.346392347	8.005828763	-1.659436416	0.029989
peak_26893	chr15	32241604	32241913	101324	Intergenic	NM_199743	zgc:73340	3.768153455	5.427614715	-1.659461261	0.000752
peak_38349	chr4	7734426	7734904	-144267	Intergenic	NM_130937	wnt5b	4.815079557	6.474558452	-1.659478895	0.013656
peak_19644	chr23	15489606	15490293	-48737	Intergenic	NM_001003833	sulf2b	7.108079657	8.76767215	-1.659592493	3.38E-05
peak_42330	chr22	20177251	20177725	152445	intron (NM_001130788, intron 2 of 10)	NM_001130788	celf5a	3.977126639	5.636813732	-1.659687093	0.025742
peak_26164	chr1	51386991	51387830	-39928	Intergenic	NM_001099240	zgc:154142	5.02728286	6.687072796	-1.659789936	0.000582
peak_29310	chr3	48690774	48691376	180361	Intergenic	NM_001079978	zgc:158309	4.984784704	6.644616542	-1.659831838	0.001671
peak_34877	chr9	31007790	31008213	-10317	intron (NM_001077576, intron 1 of 13)	NM_001006048	cmss1	3.539021661	5.199014898	-1.659993237	0.00668
peak_38019	chr12	41845856	41846451	-1283590	Intergenic	NM_212880	zgc:76887	3.574626352	5.234646576	-1.660020225	0.012814
peak_26938	chr6	28329511	28329916	-137056	intron (NM_201198, intron 7 of 10)	NM_001089528	tprg1	4.221107285	5.881206192	-1.660098907	0.000763
peak_26170	chr1	38451302	38451832	-100717	intron (NM_001145602, intron 4 of 11)	NM_001020641	galnt7	4.647593172	6.307904641	-1.660311469	0.000584
peak_28161	chr23	2533941	2534305	-7123	Intergenic	NM_130989	snai1b	4.392472402	6.052790274	-1.660317871	0.001162
peak_34788	chr21	8464099	8464711	159015	Intergenic	NM_001076741	esm1	5.088162689	6.748510345	-1.660347656	0.006541
peak_32653	chr16	52631205	52631491	419283	Intergenic	NM_001201489	efhb	4.023907976	5.68436929	-1.660461313	0.004029
peak_23346	chr16	7056266	7056723	-79268	Intergenic	NM_001003516	zgc:100908	4.909758684	6.57028115	-1.660522466	0.000193
peak_22767	chr1	50654903	50655508	62682	intron (NM_001145580, intron 4 of 12)	NM_001145580	npnt	5.91780303	7.578331869	-1.660528839	0.000152
peak_28226	chr15	25529662	25530109	103679	intron (NM_203480, intron 1 of 2)	NM_203480	rtn4rl1b	3.803316476	5.463903601	-1.660587126	0.001183
peak_25201	chr2	50150084	50150766	-263	promoter-TSS (NM_001083865)	NM_001083865	sema4e	6.431802703	8.092445196	-1.660642493	0.000416
peak_35824	chr5	50493971	50494580	28037	intron (NM_001001845, intron 1 of 89)	NM_001001845	gpr98	4.539967071	6.200683381	-1.66071631	0.008241
peak_33621	chr13	49489611	49490078	-87247	Intergenic	NM_182860	msh6	4.298135349	5.959016749	-1.6608814	0.00505
peak_40548	chr24	8511141	8511486	19301	Intergenic	NM_176859	tfap2a	3.426730103	5.087680359	-1.660950256	0.019792
peak_31855	chr7	33636366	33636787	-281276	Intergenic	NM_200239	kif18a	4.487892806	6.148967769	-1.661074963	0.003322
peak_24064	chr5	22158904	22159430	-45700	intron (NM_201295, intron 2 of 10)	NM_001258229	selplg	6.201787562	7.862897021	-1.661109459	0.000264
peak_19936	chr24	13909340	13910159	80487	intron (NM_131193, intron 12 of 18)	NM_131193	eya1	6.379560539	8.040747337	-1.661186799	3.96E-05
peak_27847	chr25	29904821	29905530	35593	intron (NM_001083002, intron 4 of 8)	NM_001083002	arid3b	5.854482322	7.515777286	-1.661294964	0.001047
peak_28221	chr15	34911249	34911600	-289510	Intergenic	NM_001017614	rhbdd1	4.362796846	6.024135596	-1.66133875	0.00118
peak_35830	chr20	25159241	25159668	-95431	Intergenic	NM_001045206	moxd1	3.387228713	5.048734747	-1.661506034	0.008259
peak_37346	chr13	27188346	27188784	73704	Intergenic	NM_001114913	ccdc85a	4.524709948	6.186407294	-1.661697347	0.011313
peak_20499	chr9	42957593	42958271	-29570	Intergenic	NM_001039630	col18a1	7.046233161	8.708120177	-1.661887016	5.30E-05
peak_23835	chr20	48949421	48950088	28662	Intergenic	NR_030665		7.123028931	8.785000952	-1.661972021	0.00024
peak_30644	chr3	39415023	39415400	68053	Intergenic	NM_001003526	zgc:100868	4.60751831	6.269509671	-1.661991362	0.002393

peak_19664	chr12	35830927	35831720	13940	intron (NM_001030125, intron 2 of 20)	NM_001030125	camk2g1	7.171516118	8.833520741	-1.662004622	3.41E-05
peak_27302	chr1	39639308	39639861	96855	Intergenic	NR_030668		4.552201346	6.214206495	-1.662005149	0.000862
peak_19933	chr18	35643557	35644266	44275	intron (NM_001139480, intron 4 of 7)	NM_212775	tbcb	7.994472906	9.656626017	-1.662153111	3.96E-05
peak_29789	chr2	51392853	51393452	-35425	Intergenic	NM_001142925	adcyap1r1a	4.666813271	6.329265917	-1.662452646	0.001911
peak_32509	chr10	17429234	17429567	26990	intron (NM_001015068, intron 1 of 9)	NM_001015068	sppl3	3.385125888	5.047653745	-1.662527856	0.003901
peak_38263	chr19	42355641	42355939	21000	Intergenic	NM_199593	shfm1	3.50251599	5.165299776	-1.662783786	0.013411
peak_32618	chr4	21092941	21093347	50417	intron (NM_001045111, intron 1 of 28)	NM_001045111	ppfia2	3.727139892	5.389987404	-1.662847512	0.003997
peak_24831	chr6	41487960	41488571	-21099	Intergenic	NM_001114419	hemk1	5.804103672	7.467226951	-1.663123279	0.000364
peak_29569	chr6	53023970	53024408	-23232	intron (NM_199842, intron 3 of 9)	NM_199788	fam212ab	4.560665212	6.223878564	-1.663213353	0.001794
peak_26628	chr9	51526993	51527785	-258090	Intergenic	NM_001020575	fign	5.877542765	7.540867664	-1.663324899	0.000682
peak_41545	chr2	52739269	52739761	4278	intron (NM_001110835, intron 3 of 6)	NM_001110835	shda	4.320443851	5.983773453	-1.663329602	0.02308
peak_38774	chr14	30515672	30516033	-129179	Intergenic	NM_001045414	zgc:153146	3.868163296	5.531552303	-1.663389007	0.014678
peak_29406	chr21	7527096	7527480	5387	Intergenic	NM_001128703	otpa	4.166915653	5.830351053	-1.6634354	0.001708
peak_25912	chr9	8630498	8630939	180837	Intergenic	NM_001045426	zgc:153499	5.483448122	7.146962008	-1.663513886	0.000535
peak_24968	chr1	49856808	49857663	-2099	Intergenic	NM_131260	msxb	6.052735155	7.716301427	-1.663566272	0.000382
peak_27844	chr24	7813184	7813601	-660	promoter-TSS (NM_001020546)	NM_001020546	syt5b	4.135913813	5.799561238	-1.663647425	0.001046
peak_24824	chr3	24239123	24239677	-112320	Intergenic	NM_199746	cbx1a	5.373973637	7.037650196	-1.663676559	0.000363
peak_22722	chr24	28698489	28699063	50660	intron (NM_001080203, intron 1 of 1)	NM_001080203	hs6st1b	6.341759948	8.005444228	-1.66368428	0.000149
peak_30850	chr17	35662752	35663199	-134512	Intergenic	NM_001025556	rsad2	4.431772988	6.095471315	-1.663698327	0.002527
peak_33228	chr24	15310319	15310702	241629	Intergenic	NM_001098738	cbln2b	4.054740277	5.7185555	-1.663815223	0.004628
peak_24134	chr19	16773660	16774161	-36725	Intergenic	NM_001004289	sf3a3	5.182775708	6.846669036	-1.663893328	0.000273
peak_21107	chr7	34056534	34057285	28509	Intergenic	NM_001005306	slc39a13	5.736266333	7.400202405	-1.663936072	7.06E-05
peak_26399	chr6	60477	61237	12295	Intergenic	NM_001113477	keap1b	3.992402332	5.656571314	-1.664168982	0.000632
peak_27586	chr23	23143173	23143915	192857	Intergenic	NM_212722	eno1a	5.274440172	6.938656656	-1.664216484	0.000953
peak_36652	chr16	25353824	25354074	26263	intron (NM_131854, intron 1 of 4)	NM_131854	efna3b	3.889089251	5.553325092	-1.664235841	0.009835
peak_30236	chr18	20573039	20573550	115399	Intergenic	NM_001044883	cftr	4.26992192	5.934166818	-1.664244898	0.002163
peak_28296	chr15	2716	3568	103	intron (NM_001100144, intron 1 of 3)	NM_001100144	apoa1b	4.817420708	6.481725462	-1.664304755	0.001206
peak_20417	chr9	7759631	7760423	-5641	Intergenic	NM_001009886	mnx2a	6.811952101	8.476425097	-1.664472995	5.12E-05
peak_29306	chr2	9981862	9982292	-799	promoter-TSS (NM_152977)	NM_152977	dmbx1a	4.30377737	5.968316596	-1.664539226	0.00167
peak_24639	chr18	38612887	38613348	-38972	Intergenic	NM_001017682	sema6dl	5.607942874	7.272591101	-1.664648227	0.000335
peak_23549	chr12	36662610	36663196	-201923	Intergenic	NM_200770	fscn2b	5.333043566	6.997719867	-1.664676301	0.00021
peak_41256	chr9	546331	546703	-104357	Intergenic	NM_001080074_1	zgc:158316	3.703707687	5.368425604	-1.664717917	0.022197
peak_26676	chr9	22762984	22763560	7193	Intergenic	NM_001002483	sox1a	4.974990219	6.639956004	-1.664965784	0.000695
peak_26526	chr20	24979350	24979850	13045	intron (NM_001044979, intron 3 of 17)	NM_001044979	epha7	4.36599906	6.031066923	-1.665067863	0.000659
peak_21500	chr23	36074568	36075940	-20428	Intergenic	NM_001110166	calcoco1a	6.642553501	8.307932819	-1.665379318	8.53E-05
peak_30259	chr25	27789685	27790267	79	promoter-TSS (NM_001287539)	NM_001287539	LOC569768	4.244561664	5.910028734	-1.66546707	0.002173
peak_24621	chr25	23765617	23766573	9740	intron (NM_200880, intron 1 of 6)	NM_200880	dusp8a	6.079028656	7.744659519	-1.665630862	0.000333
peak_19563	chr18	46865029	46865695	21939	intron (NM_001017558_1, intron 1 of 5)	NM_001017558_1	ets1	7.473935301	9.139595321	-1.66566002	3.21E-05
peak_21591	chr1	16371941	16372530	36948	Intergenic	NM_207065	helt	5.894664817	7.560372923	-1.665708106	8.96E-05
peak_28163	chr22	36868776	36869271	595913	Intergenic	NM_001202416	terf2ip	5.077095029	6.742916245	-1.665821216	0.001162
peak_36241	chr8	34831399	34831714	74750	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	3.391425188	5.057249341	-1.665824153	0.009005
peak_33335	chr6	12182000	12182309	189178	Intergenic	NM_001045348	gpd2	3.914183006	5.580205763	-1.666022757	0.004744
peak_29308	chr19	17582887	17583450	-264349	Intergenic	NM_131857	klf2b	5.302631231	6.968822089	-1.666190857	0.00167
peak_26322	chr9	51416915	51417292	-251611	Intergenic	NM_001017644	slc38a11	4.614715268	6.281093091	-1.666377823	0.000615
peak_26465	chr10	42173210	42174162	11439	intron (NM_001013481, intron 3 of 4)	NM_001013481	zgc:113625	5.478496667	7.144920787	-1.666424121	0.000643
peak_28703	chr8	11469146	11469467	-7992	intron (NM_001004579, intron 13 of 14)	NM_153673	unc45b	3.915640605	5.582392072	-1.666751467	0.001369
peak_34517	chr12	37936253	37936834	-125775	Intergenic	NR_034207		2.447031973	4.113811105	-1.666779132	0.006211
peak_20403	chr1	16507999	16508960	-30721	Intergenic	NM_001024376	pdlim3a	8.32961067	9.996395446	-1.666784776	5.09E-05
peak_34154	chr20	54698484	54698978	10560	Intergenic	NM_205653	znf410	4.166915653	5.833909775	-1.666994122	0.005707
peak_34326	chr5	3810318	3810711	-98288	Intergenic	NM_001045388	rpain	4.127133121	5.794141777	-1.667008656	0.005946
peak_25564	chr1	5387062	5387946	-29912	Intergenic	NM_001020643	klf7a	6.324806851	7.991863689	-1.667056838	0.000474
peak_43811	chr13	11061653	11062062	31941	intron (NM_001197201, intron 3 of 14)	NM_001197201	akt3a	2.33794409	4.005248365	-1.667304275	0.032222
peak_31143	chr3	13854220	13854693	22400	Intergenic	NM_001197065	nfil3-2	3.859012881	5.526663452	-1.667650571	0.002718
peak_31973	chr19	28462363	28462789	6549	Intergenic	NM_001017699	med10	4.109335453	5.776993685	-1.667658233	0.003407
peak_20988	chr12	44250325	44251160	31896	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	7.983375075	9.651048595	-1.66767352	6.66E-05
peak_35704	chr1	28636502	28636853	27067	intron (NM_001128244, intron 2 of 15)	NM_001128244	si:dkey-1h24.3	3.378798964	5.046477308	-1.667678344	0.008032
peak_24597	chr6	36969597	36970636	78784	intron (NM_001003851, intron 3 of 6)	NM_001003851	negr1	5.806462687	7.474238831	-1.667776144	0.000329
peak_29089	chr24	13884164	13884454	55047	intron (NM_131193, intron 11 of 18)	NM_131193	eya1	4.224639552	5.892525396	-1.667885845	0.001554
peak_18895	chr9	58191454	58193175	-12336	Intergenic	NM_001003944	actr3	7.510162379	9.17822291	-1.668060531	2.24E-05
peak_30596	chr2	8521389	8521710	20004	intron (NM_213227, intron 9 of 23)	NM_213227	usp33	3.449046535	5.117182367	-1.668135832	0.002363
peak_23394	chr6	45932379	45932962	-46394	Intergenic	NM_201476	tardbp	5.532358678	7.200537397	-1.668178719	0.000197
peak_29290	chr21	6943403	6943886	-152967	Intergenic	NM_001003459	crhbp	5.087516214	6.756100075	-1.668583861	0.001659
peak_33938	chr8	30377469	30377790	-64421	intron (NM_001004123, intron 13 of 15)	NM_131091	atoh1a	3.817420708	5.486067821	-1.668647113	0.005454
peak_31248	chr6	48769721	48770241	-199493	Intergenic	NM_001256640	si:ch211-105j21.1	5.947738566	7.616389462	-1.668650896	0.002807
peak_31728	chr8	31967992	31968625	718	exon (NM_001126437, exon 2 of 14)	NM_001126437	syn1	4.757626237	6.426317755	-1.668691517	0.003197
peak_25881	chr2	44854249	44854605	-15353	Intergenic	NM_001162502	ncapd2	3.999292718	5.668041353	-1.668748635	0.000528
peak_30995	chr5	16683332	16683968	-223686	Intergenic	NM_183339	tbx1	5.350392545	7.019242312	-1.668849767	0.002616
peak_21019	chr2	12698555	12699079	-273656	Intergenic	NM_001115122	dpp6	6.508593682	8.177444161	-1.66885048	6.78E-05
peak_32894	chr21	22924795	22925200	99640	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	4.084927414	5.753912686	-1.668985271	0.004275
peak_29853	chr3	28162990	28163368	63635	intron (NM_001005596, intron 9 of 11)	NM_001005596	rbfox1	4.155857485	5.824857296	-1.668999811	0.001942
peak_20640	chr7	74036113	74037400	102202	Intergenic	NM_001006020_1	ccdc149a	6.78682639	8.45586475	-1.66903836	5.71E-05
peak_26127	chr9	5581664	5582292	-219430	Intergenic	NM_001037685	abhd13	5.906484975	7.575567454	-1.669082479	0.000575
peak_31472	chr14	15580452	15580786	-148838	Intergenic	NM_001045428	rab33a	3.890572412	5.559708158	-1.669135746	0.002973
peak_28442	chr25	6472903	6473329	-2991	Intergenic	NM_001002409	rbpms2a	4.671134553	6.340305436	-1.669170883	0.001265
peak_25817	chr1	109639	110180	7936	intron (NM_200776, intron 4 of 11)	NM_200776	tfdp1b	5.208641113	6.877859536	-1.669218423	0.000516
peak_23373	chr6	39153378	39154267	-4428	Intergenic	NM_001075108	os9	5.812734601	7.48196547	-1.669230869	0.000196
peak_28817	chr2	58835101	58835464	-14927	Intergenic	NM_001004628	pnp5b	3.961605146	5.63088915	-1.669284004	0.001426
peak_32472	chr8	30271878	30272205	-170009	intron (NM_001004123, intron 10 of 15)	NM_131091	atoh1a	3.772986383	5.442358763	-1.66937238	0.003865
peak_38441	chr25	15381823	15382062	-71546	Intergenic	NM_131304	pax6a	2.806462687	4.475984047	-1.66952136	0.013874
peak_36660	chr9	8106073	8106328	-332382	Intergenic	NM_001109720	zgc:171776	3.226989601	4.896612519	-1.669622918	0.009852
peak_25670	chr5	2427987	2428363	20218	Intergenic	NM_001114407	ca4a	4.478003463	6.148031635	-1.670028172	0.00049
peak_28949	chr5	15754485	15754914	188085	Intergenic	NM_001171697	npffr1l2	4.226989601	5.897047883	-1.670058282	0.001488
peak_39420	chr25	32345938	32346312	-69342	Intergenic	NM_001126392	zgc:172145	3.607465695	5.277726313	-1.670260618	0.016368
peak_24681	chr9	26992793	26993259	30308	intron (NM_001128555, intron 7 of 12)	NM_001128555	arhgap15	5.187645218	6.858086252	-1.670441034	0.000342
peak_25645	chr6	43185191	43185618	19704	Intergenic	NM_001006096	arl6ip5a	5.104870153	6.775323003	-1.670452851	0.000487
peak_35956	chr24	14418636	14418982	-26309	Intergenic	NM_198373	ngdn	4.150915405	5.82163572	-1.670720315	0.008457
peak_27370	chr18	23569035	23569423	89836	Intergenic	NM_131183	nr2f2	4.47701655	6.147820479	-1.670803929	0.000883
peak_19140	chr24	36977896	36978605	50664	Intergenic	NM_213515	ube2v2	7.582306282	9.253335657	-1.671029375	2.56E-05
peak_23138	chr15	9089192	9089656	48049	Intergenic	NM_001017784	rhoub	5.502030931	7.173066863	-1.671035932	0.00018
peak_30030	chr5	69612106	69612324	133032	Intergenic	NM_001013309	htatip	3.760062422	5.431106191	-1.671043769	0.00204
peak_29895	chr20	32193146	32193544	-5463	Intergenic	NM_001003769	cep57l1	3.679788522	5.350967704	-1.671179182	0.001967
peak_28062	chr11	6602089	6602763	63613	Intergenic	NM_213031	gadd45ba	6.06133994	7.732795182	-1.671455242	0.001124
peak_25768	chr22	11521646	11522594	26530	Intergenic	NM_200832	mid1ip1b	5.458606642	7.130152771	-1.671546129	0.000508
peak_22839	chr7	37285735	37286437	-121143	Intergenic	NM_001045227	irx5a	5.368662153	7.040251325	-1.671589172	0.000157
peak_29653	chr9	42895733	42896321	89451	Intergenic	NR_030747		4.538075632	6.209672247	-1.671596615	0.001833
peak_38064	chr8	13084842	13085388	-134898	Intergenic	NM_001128381	traf1	4.827522021	6.499214433	-1.671692412	0.012915
peak_33086	chr24	1366773	1367076	-35663	Intergenic	NM_001040326	nrp1a	3.594783512	5.266555671	-1.671772159	0.004482
peak_23532	chr19	5876777	5877813	1288	intron (NM_131523, intron 1 of 9)	NM_131523	stx1b	6.30766836	7.97952691	-1.67185855	0.000209
peak_40374	chr19	45780921	45781295	-185394	Intergenic	NM_001045120	rad21b	4.498630944	6.170490725	-1.67185978	0.01916
peak_22966	chr18	37070828	37071767	-121015	Intergenic	NM_200573	onecut1	6.95594936	8.627845471	-1.671896111	0.000167
peak_36958	chr12	49949775	49950266	-1321	intron (NM_001100101, intron 10 of 10)	NM_001037439	zgc:123258	4.636144784	6.308165397	-1.672020613	0.010492
peak_28735	chr5	66434055	66434301	68564	Intergenic	NM_001089344	gsnb	3.389328476	5.061628937	-1.672300461	0.001387
peak_30699	chr11	2316592	2317089	-53117	Intergenic	NM_001161401	igfbp6a	3.982700169	5.655164824	-1.672464655	0.002427
peak_30766	chr9	51012543	51012899	-5139	Intergenic	NM_001128258	ttc21b	3.795420797	5.468083531	-1.672662734	0.002465
peak_22788	chr8	18016313	18016898	19241	intron (NM_130935, intron 1 of 6)	NM_130935	skia	6.225244567	7.897963715	-1.672719148	0.000153

peak_31859	chr16	21358187	21358702	-135476	Intergenic	NM_205550	sp8b	4.832977038	6.505893471	-1.672916432	0.003324
peak_28496	chr5	70438905	70439285	-6029	Intergenic	NM_001089554	si:dkey-251i10.1	4.322578924	5.995523722	-1.672944798	0.001288
peak_25826	chr12	2153856	2154917	2977	exon (NM_131643, exon 3 of 3)	NM_131643	sox9a	6.819780773	8.492777407	-1.672996634	0.000518
peak_34081	chr24	21992663	21993025	-40801	Intergenic	NM_001008636	spice1	4.948848306	6.621891052	-1.673042747	0.005621
peak_25349	chr1	6603639	6604265	37272	Intergenic	NM_001102569	radil	4.788231132	6.461299362	-1.673068229	0.00044
peak_26517	chr22	40086050	40086434	196986	Intergenic	NM_001003462	trim35-36	5.216940861	6.890074928	-1.673134066	0.000657
peak_43873	chr14	44460311	44460792	51250	Intergenic	NM_001115099	pcdh18b	3.576470503	5.249667413	-1.67319691	0.032442
peak_21032	chr20	42364368	42364871	45977	Intergenic	NM_001039977	dcbld1	6.310441227	7.983642274	-1.673201047	6.82E-05
peak_39770	chr17	47155666	47156450	814754	Intergenic	NM_001006009	zgc:103755	1.632603848	3.305824129	-1.673220281	0.017307
peak_33212	chr14	3156400	3156809	-20234	Intergenic	NM_131590	cd74a	3.733765494	5.407134957	-1.673369462	0.004609
peak_28159	chr4	5842293	5843052	121194	intron (NM_001030082, intron 9 of 20)	NM_001159823	lyrm5a	4.60751831	6.281171327	-1.673653017	0.001162
peak_30663	chr1	12077247	12077883	49391	Intergenic	NM_212571	pcdh10a	4.637911999	6.311630436	-1.673718437	0.002406
peak_22397	chr9	49367659	49368259	-9818	Intergenic	NM_001159842	col28a1a	5.649809955	7.323724166	-1.673914212	0.00013
peak_43909	chr14	36945565	36945798	-23063	intron (NM_001003587, intron 9 of 9)	NM_131895	gria2b	3.420583411	5.09455371	-1.673970299	0.032591
peak_21681	chr5	34618027	34619281	21258	Intergenic	NM_213490	zgc:55461	7.52388789	9.197867238	-1.673979348	9.32E-05
peak_18925	chr21	37245007	37245723	-27469	Intergenic	NM_001080058	zgc:158291	8.656651965	10.33067287	-1.674020903	2.28E-05
peak_31291	chr17	26360833	26361231	85604	Intergenic	NM_001080665	fam149b1	3.823645266	5.49776511	-1.674119844	0.002841
peak_25227	chr13	35394369	35394949	-166154	Intergenic	NM_131863	jag1b	6.317901457	7.992126687	-1.67422523	0.00042
peak_25831	chr10	32294399	32295108	59786	Intergenic	NM_200398	tmem218	5.588373709	7.26265665	-1.67428294	0.000518
peak_20591	chr15	40507986	40508912	166849	Intergenic	NM_001002430	pxylp1	7.462981986	9.137361973	-1.674379987	5.56E-05
peak_36594	chr14	27924740	27925210	113882	Intergenic	NM_001110457	klhl4	4.73953804	6.413923166	-1.674385126	0.009727
peak_31252	chr16	42133902	42134237	10211	intron (NM_199661, intron 1 of 4)	NM_199661	stt3b	4.174240955	5.848696481	-1.674455526	0.00281
peak_27945	chr13	6878805	6879445	-33522	Intergenic	NM_001144794	exoc3l4	4.620089523	6.294580142	-1.674490619	0.001086
peak_32432	chr25	6805581	6806033	1615	exon (NM_001122855, exon 1 of 2)	NM_001122855	snx33	3.812734601	5.487281094	-1.674546493	0.003821
peak_24002	chr15	15300742	15301719	41431	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	5.848367416	7.523066542	-1.674699126	0.000256
peak_25112	chr10	26266305	26266761	67326	Intergenic	NM_131294	sod1	4.613817609	6.28852153	-1.674703921	0.000404
peak_21884	chr22	19920265	19921129	-37941	Intergenic	NM_199573	rgmd	7.223471673	8.898194858	-1.674723185	0.000103
peak_21629	chr10	45731541	45732034	13298	Intergenic	NM_001079664	rilpl1	5.392472402	7.067226395	-1.674753993	9.12E-05
peak_20697	chr9	50301199	50302074	-389372	Intergenic	NM_001113604	nostrin	6.701125064	8.376077573	-1.674952509	5.85E-05
peak_34613	chr15	11939223	11939595	3129	intron (NM_001190755_1, intron 1 of 7)	NM_001190755_1	slc1a5	3.346615242	5.021712252	-1.67509701	0.006334
peak_22737	chr9	51823985	51824716	38871	intron (NM_001020575, intron 1 of 1)	NM_001020575	fign	5.843015081	7.518119237	-1.675104156	0.00015
peak_30578	chr3	3846139	3846675	100459	Intergenic	NM_001114556	zgc:171446	4.417440195	6.092635406	-1.675195211	0.002355
peak_26089	chr8	34812155	34812806	93826	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	5.318209171	6.993457707	-1.675248536	0.000568
peak_30308	chr9	57323038	57323637	-65072	Intergenic	NM_001166337	nlgn4b	4.904629727	6.580041111	-1.675411384	0.002198
peak_30741	chr13	4057575	4057868	34633	Intergenic	NM_200372	sft2d1	3.733765494	5.409194377	-1.675428882	0.002453
peak_23875	chr7	74267136	74267866	-160239	Intergenic	NM_214699	myl12.1	6.509573313	8.185165054	-1.675591741	0.000245
peak_38559	chr8	30863665	30863982	-101516	Intergenic	NM_001040637	fancc	3.477074143	5.152667156	-1.675593013	0.01412
peak_20583	chr13	19412491	19413149	45228	Intergenic	NM_131280	emx2	6.784845489	8.460506427	-1.675660938	5.55E-05
peak_30632	chr9	11731636	11732245	75849	Intergenic	NM_130980	wnt10a	5.346646764	7.022826571	-1.676179807	0.002386
peak_22064	chr11	38445250	38445702	-25586	Intergenic	NM_001040385	egfl7	5.920730635	7.596933133	-1.676202498	0.000112
peak_36231	chr9	26723967	26724769	-84810	Intergenic	NM_001135104	zeb2a	3.772986383	5.449224383	-1.676238	0.008973
peak_30823	chr20	16156708	16157425	39817	intron (NM_200474, intron 1 of 17)	NM_200474	ralgps2	5.764541699	7.44098896	-1.676447262	0.002509
peak_34691	chr7	16210048	16210575	-5700	Intergenic	NM_152969	igf1rb	4.653771219	6.330571917	-1.676800698	0.006426
peak_29792	chr16	48808438	48808673	51071	Intergenic	NM_001024923	smg5	4.128390782	5.805248447	-1.676857665	0.001913
peak_28460	chr4	27050209	27051228	143093	intron (NM_214799, intron 10 of 13)	NM_214799	tbc1d22a	5.732111944	7.408973663	-1.676861719	0.001273
peak_27123	chr1	346448	347149	-162	promoter-TSS (NM_001002361)	NM_001002361	zgc:92518	5.579205489	7.256068369	-1.67686288	0.000811
peak_31076	chr14	16663922	16664298	812752	Intergenic	NM_001044746	cnga5	3.893534166	5.570588783	-1.677054617	0.002668
peak_22725	chr14	50113082	50115155	136403	intron (NM_001031842, intron 5 of 16)	NM_001031842	fstl5	5.97076922	7.648159255	-1.677390035	0.000149
peak_37109	chr8	19741164	19742096	49640	Intergenic	NM_212872	zgc:77486	3.410159719	5.087641225	-1.677481506	0.010792
peak_25339	chr15	42267733	42268364	87534	Intergenic	NM_212939	zgc:85932	6.131216518	7.80876839	-1.677551872	0.000439
peak_29955	chr15	32348591	32348971	208347	Intergenic	NM_199743	zgc:73340	4.143397819	5.820972632	-1.677574813	0.002
peak_19869	chr5	21299575	21300725	22619	Intergenic	NM_001007349	mvk	7.863873005	9.541576601	-1.677703596	3.81E-05
peak_26753	chr24	27060307	27060712	19452	Intergenic	NM_001197254	and1	4.343369665	6.0213798	-1.678010135	0.000716
peak_24670	chr5	60589308	60589739	-50733	Intergenic	NM_001002701	tmem136b	4.570876996	6.248983647	-1.678106651	0.000341
peak_24995	chr20	43309106	43309527	-101526	Intergenic	NM_001044916	unc93a	5.904996687	7.583153369	-1.678156682	0.000387
peak_21827	chr19	14874118	14874533	899	intron (NM_201091, intron 1 of 3)	NM_201091	lin28a	5.237551702	6.915754044	-1.678202343	0.0001
peak_37302	chr23	28060931	28061249	2367	intron (NM_130990, intron 1 of 8)	NM_130990	acvr1b	4.188851241	5.867204963	-1.678353722	0.011217
peak_30694	chr21	41163413	41163824	109322	Intergenic	NM_201133	stk10	4.659872185	6.338399837	-1.678527652	0.002423
peak_34352	chr2	60195669	60196320	-253334	intron (NM_212882_1, intron 9 of 9)	NR_030000		4.600285269	6.278896033	-1.678610764	0.005985
peak_34976	chr15	23314834	23315180	-18633	Intergenic	NM_212633	appbp2	3.875671743	5.554293546	-1.678621803	0.006826
peak_23600	chr11	45039303	45039672	13953	exon (NM_001015069, exon 3 of 10)	NM_001015069	gli2b	4.766538874	6.44519001	-1.678651136	0.000215
peak_31389	chr21	28060435	28061220	-61799	intron (NM_001099254, intron 1 of 8)	NM_001001846	pura	5.434885166	7.113655779	-1.678770613	0.002909
peak_29786	chr23	5501069	5501516	-22501	Intergenic	NR_039095		4.629002364	6.307828243	-1.678825878	0.001911
peak_35118	chr13	9675065	9675402	-122658	Intergenic	NM_131783	six2a	4.421549829	6.100377427	-1.678827598	0.007067
peak_21541	chr18	10218695	10219580	-57687	Intergenic	NM_200321	rbm28	6.967073377	8.64598091	-1.678907533	8.71E-05
peak_33983	chr7	67661739	67661969	-252089	Intergenic	NM_212949	pth1b	2.880158125	4.559072449	-1.678914324	0.005504
peak_20031	chr12	44290108	44291287	-8059	Intergenic	NM_001080602	ebf3	7.346631003	9.025586549	-1.678955546	4.21E-05
peak_27692	chr5	19504678	19505093	-54102	Intergenic	NM_001100015	chfr	4.55032589	6.229371584	-1.679045694	0.000989
peak_29025	chr24	5924100	5924524	200	5' UTR (NM_001198661, exon 1 of 13)	NM_001198661	trpc1	3.672909731	5.352090201	-1.679180471	0.001522
peak_33184	chr7	30075128	30075606	14164	intron (NM_205552, intron 1 of 8)	NM_205552	ccdc102a	4.654593443	6.333777082	-1.679183639	0.004587
peak_28981	chr14	39081041	39081486	874364	Intergenic	NM_001048055	lect2l	4.757578822	6.436904869	-1.679326047	0.001501
peak_25322	chr2	20813070	20813519	-23168	Intergenic	NM_001006007	nrn1b	5.293690814	6.973178543	-1.67948773	0.000436
peak_25113	chr6	14520848	14521431	-318231	Intergenic	NM_001128547	inpp4ab	5.136538966	6.816273632	-1.679734666	0.000404
peak_22295	chr25	24109773	24110466	139300	Intergenic	NM_001020596	phlda2	6.176405983	7.856218902	-1.679812919	0.000124
peak_23788	chr16	42519290	42519738	6123	intron (NM_001076716, intron 2 of 13)	NM_001076716	rbms3	5.12524457	6.805260018	-1.680015447	0.000235
peak_40823	chr13	19383135	19383632	15791	Intergenic	NM_131280	emx2	5.334678924	7.014776984	-1.68009806	0.020636
peak_30164	chr18	49405746	49406176	26623	Intergenic	NM_200360	ubl7b	4.510311118	6.190434357	-1.680123239	0.002118
peak_33468	chr9	2548202	2548649	-10891	Intergenic	NM_001128295	zgc:172057	4.154623552	5.834845144	-1.680221593	0.004887
peak_25784	chr14	48058879	48059407	86152	Intergenic	NM_001080662	shisa3	5.85408011	7.53440175	-1.680321639	0.000511
peak_22564	chr10	39077075	39077763	-213617	intron (NM_212796, intron 10 of 16)	NM_001202415	bhlha9	5.417440195	7.097906146	-1.680465952	0.000139
peak_32192	chr14	5617774	5618162	30600	intron (NM_001166155, intron 8 of 10)	NM_001166155	npm1b	3.896489853	5.577094952	-1.6806051	0.003588
peak_34526	chr11	36720530	36720938	-116688	Intergenic	NM_212679	bhlhe40	4.326967436	6.007584861	-1.680617425	0.006222
peak_33639	chr10	16693598	16693966	-61484	Intergenic	NM_201031	stoml2	4.176745403	5.85747256	-1.680727157	0.005077
peak_24857	chr17	9701654	9702497	92746	Intergenic	NM_213310	egln3	5.783026575	7.463933586	-1.680907011	0.000369
peak_25520	chr20	50591187	50591921	-39893	Intergenic	NM_001144797	LOC569213	6.32012056	8.001031621	-1.680911061	0.000466
peak_23321	chr3	50090343	50090871	86980	Intergenic	NM_001080569	hs3st3b1a	5.336312431	7.017367356	-1.681054925	0.000192
peak_36936	chr20	31383086	31383656	69864	intron (NM_001032729, intron 1 of 7)	NM_001025488	si:dkey-185l3.3	4.444004846	6.125251169	-1.681246324	0.010416
peak_41214	chr8	42194958	42195210	3916	intron (NM_213167, intron 4 of 4)	NM_213167_1	kdm2ba	3.078435017	4.759736567	-1.681301549	0.022055
peak_26290	chr18	30322213	30322676	-63574	Intergenic	NM_001080807	gse1	4.453067239	6.134415322	-1.681348082	0.000608
peak_19265	chr13	36315216	36316039	-6017	Intergenic	NM_212937	mycla	7.759835893	9.441266545	-1.681430652	2.73E-05
peak_33798	chr17	8907714	8908523	-86333	Intergenic	NM_001077768	zranb1b	5.092035467	6.773644657	-1.68160919	0.005252
peak_19181	chr21	8720053	8721321	-6	promoter-TSS (NM_001037701)	NM_001037701	mapk10	8.393449661	10.07511285	-1.681663191	2.61E-05
peak_20867	chr21	23831473	23832265	-18707	Intergenic	NM_001004630	sc5d	6.297329543	7.979018133	-1.68168859	6.29E-05
peak_38887	chr5	24656350	24656656	-4539	Intergenic	NM_001014351	zgc:110800	3.523810242	5.205560045	-1.681749803	0.014961
peak_35877	chr22	30974723	30975107	359333	Intergenic	NM_001013572	si:dkeyp-34c12.1	3.219927938	4.90189143	-1.681963491	0.008326
peak_30530	chr2	33059612	33060083	15435	Intergenic	NM_131723	klf17	4.129647348	5.811937269	-1.682289921	0.002326
peak_35049	chr17	33351695	33352092	-12215	Intergenic	NM_001012313	snx9a	4.36599906	6.048307103	-1.682308043	0.006943
peak_37674	chr9	45169267	45169543	186168	intron (NM_001089474, intron 11 of 12)	NM_001089474	cerkl	2.947423891	4.629788758	-1.682364867	0.01199
peak_34500	chr14	32294281	32294777	42147	Intergenic	NR_030129		4.7212688	6.403654888	-1.682386087	0.006195
peak_42871	chr15	26950550	26950999	-79499	Intergenic	NM_001110296	brip1	3.284661742	4.967166512	-1.68250477	0.028011
peak_35106	chr20	35361921	35362233	-44969	Intergenic	NM_001007366	vsnl1a	4.045372053	5.728119397	-1.682747344	0.007046
peak_25931	chr2	28312395	28312895	-169285	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	5.015736251	6.698489673	-1.682753423	0.000537
peak_33135	chr4	14190933	14191225	-22041	Intergenic	NM_131680	nrf1	4.045372053	5.728142848	-1.682770795	0.004541
peak_27282	chr16	46044725	46045215	31449	Intergenic	NM_131773	cldn12	4.524709948	6.207608107	-1.682898159	0.000855
peak_41122	chr4	55361486	55361787	-252316	Intergenic	NM_001111199	zgc:173710	1.434885166	3.118467352	-1.683582186	0.021757

peak_26391	chr24	39563772	39564343	22337	Intergenic	NM_001025297	crp2	5.177925137	6.861639456	-1.683714319	0.00063
peak_19111	chr4	15731937	15732833	-19493	intron (NM_212644, intron 9 of 21)	NM_001025531	fam60a	7.918818677	9.602582987	-1.68376431	2.53E-05
peak_30292	chr25	37552311	37552615	64903	Intergenic	NM_213100_1	irx3b	3.843780917	5.527604951	-1.683824034	0.002186
peak_32968	chr7	64119917	64120373	1171837	Intergenic	NM_131287	sox17	3.641439946	5.32531155	-1.683871604	0.004368
peak_28395	chr7	63729212	63730129	838437	Intergenic	NM_200491	tbc1d19	5.707053983	7.391136391	-1.684082407	0.001246
peak_33631	chr7	38635510	38636027	-133669	Intergenic	NM_001146014	sall1a	5.229335828	6.913428838	-1.68409301	0.005066
peak_23653	chr15	10794173	10795068	260055	intron (NM_130969, intron 10 of 31)	NM_130969	odz4	5.644105906	7.328485109	-1.684379204	0.000221
peak_29090	chr9	33515504	33515934	122003	Intergenic	NM_001128532	satb2	4.693498055	6.377919377	-1.684421322	0.001554
peak_27323	chr13	5607594	5608307	6136	intron (NM_213234, intron 1 of 7)	NM_213234	spred2b	6.735040537	8.41949962	-1.684459083	0.000868
peak_25952	chr24	39663984	39664383	16858	intron (NM_001102627, intron 1 of 3)	NR_030518		4.993092854	6.677588481	-1.684495627	0.000541
peak_26349	chr1	13618963	13619516	137070	Intergenic	NR_048926		5.245141475	6.929642532	-1.684501057	0.00062
peak_26283	chr11	29192994	29193703	98367	intron (NM_001033094_1, intron 3 of 4)	NM_001033094_1	ephb2b	5.701547607	7.386146688	-1.684599081	0.000606
peak_37623	chr22	29543566	29544375	-387502	Intergenic	NM_001003584	jagn1b	3.166915653	4.851622299	-1.684706646	0.011884
peak_24626	chr18	181181	181787	-39132	Intergenic	NM_001077450_1	gabpb1	4.827567192	6.512389906	-1.684822713	0.000334
peak_28088	chr16	5110408	5110927	-14059	Intergenic	NM_152981	mtf1	5.384073326	7.068937982	-1.684864656	0.001136
peak_24189	chr11	27766268	27767003	-131466	Intergenic	NM_001045307	acad9	6.566244234	8.25116952	-1.684925286	0.00028
peak_20716	chr19	30552575	30553131	-7708	Intergenic	NM_001114581	zgc:175136	6.112235804	7.79723729	-1.685001486	5.89E-05
peak_22707	chr16	53288417	53288968	237250	Intergenic	NM_200970	rab5ab	6.87808179	8.563236157	-1.685154367	0.000148
peak_27666	chr15	26776981	26778293	41194	Intergenic	NM_130914	tbx4	6.206839003	7.892126695	-1.685287692	0.000979
peak_25515	chr11	9839462	9840270	198048	intron (NM_001142265, intron 3 of 5)	NM_001142265	nlgn1	5.987172421	7.672611254	-1.685438833	0.000465
peak_32435	chr6	21092117	21092717	62268	Intergenic	NM_205740	barhl2	4.696843362	6.382348361	-1.685505	0.003824
peak_39544	chr11	22828350	22828838	84641	intron (NM_001199491, intron 3 of 17)	NM_001199491	foxp4	3.389328476	5.074870105	-1.685541629	0.01675
peak_32683	chr6	33154662	33155071	-80058	Intergenic	NM_201143	pik3r3b	4.653771219	6.339322236	-1.685551017	0.004066
peak_24197	chr18	5422639	5422992	-142993	Intergenic	NM_001110450	wash	4.548447992	6.234074699	-1.685626707	0.000281
peak_23187	chr6	30501079	30501706	105223	Intergenic	NM_001037669	insl5a	6.828921557	8.514551049	-1.685629493	0.000183
peak_43104	chr20	1782007	1782362	13161	intron (NM_001278799, intron 1 of 49)	NM_001278799	lama2	3.245653441	4.931392823	-1.685739382	0.029016
peak_26306	chr15	26604148	26604919	-108753	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	4.815079557	6.50090611	-1.685826553	0.000611
peak_34723	chr5	36761650	36761974	56769	intron (NM_001020781, intron 17 of 26)	NM_001020781	fcho2	4.26992192	5.955841782	-1.685919862	0.006454
peak_19143	chr25	8135021	8135860	-188	promoter-TSS (NM_131716)	NM_131716	mdkb	6.966194459	8.652114559	-1.685920099	2.56E-05
peak_34701	chr6	53453564	53454010	44350	intron (NM_001013503, intron 14 of 14)	NM_213481_1	gnb1b	4.238750704	5.9247021	-1.685951396	0.006435
peak_29037	chr13	40298895	40299427	91874	intron (NM_001128272, intron 3 of 4)	NM_001128272	zgc:171482	5.023192609	6.70922277	-1.686030161	0.001528
peak_26803	chr23	7135830	7136439	-1021	Intergenic	NR_029993		4.751061931	6.437162127	-1.686100196	0.00073
peak_19529	chr24	2391637	2393540	-136567	Intergenic	NM_001076711	f13a1a.1	7.705660926	9.391864023	-1.686203097	3.15E-05
peak_36656	chr13	49995483	49996273	127287	Intergenic	NM_001142263	disc1	4.622821221	6.309118423	-1.686297202	0.009846
peak_32682	chr11	13536300	13537230	-72991	Intergenic	NM_201113	homer3	4.824466719	6.510769841	-1.686303122	0.004062
peak_23953	chr9	27105182	27105550	-14191	Intergenic	NM_213216	arglu1a	4.592962636	6.279284618	-1.686321981	0.000252
peak_35670	chr4	31698630	31699389	369556	intron (NM_001114900_1, intron 4 of 10)	NM_001114894	zgc:174653	3.169361555	4.855744041	-1.686382486	0.007973
peak_40550	chr9	8545817	8546111	96083	Intergenic	NM_001045426	zgc:153499	3.355234589	5.041807658	-1.686573069	0.019796
peak_32074	chr2	15679422	15680065	246397	Intergenic	NM_213011	amy2a	4.859814447	6.546435521	-1.686621075	0.003491
peak_28516	chr9	53071114	53071569	-157690	Intergenic	NM_001076600	tank	3.811169177	5.497844447	-1.68667527	0.001297
peak_19620	chr9	45005543	45006111	134634	Intergenic	NM_200921	ube2e3	6.209532659	7.896242662	-1.686710002	3.33E-05
peak_33552	chr1	3845605	3846044	-327425	Intergenic	NM_001003842	spry2	4.812780238	6.499716207	-1.686935969	0.004972
peak_23586	chr6	51418874	51419982	105366	Intergenic	NM_001130610	rbl1	6.032350026	7.719357428	-1.687007402	0.000214
peak_36815	chr1	60323174	60323442	3099	intron (NM_213219_1, intron 3 of 10)	NM_213219_1	akap8l	3.385125888	5.072197226	-1.687071337	0.010144
peak_25309	chr6	59105676	59106082	11648	intron (NM_001123374, intron 1 of 11)	NM_001123374	shmt2	4.684926177	6.372032693	-1.687106517	0.000434
peak_22185	chr16	47045671	47046089	-65510	Intergenic	NM_001039635	zfpm2a	5.195466406	6.88261166	-1.687145254	0.000118
peak_22136	chr1	12292723	12293683	-137331	Intergenic	NM_001115058	pcdh18a	6.753329212	8.440590425	-1.687261213	0.000116
peak_42294	chr11	20680134	20680662	-66214	Intergenic	NM_001045273	cdh4	3.374565546	5.061871965	-1.687306419	0.025628
peak_26051	chr22	10910952	10912191	19464	Intergenic	NM_001001402	enc1	6.722983386	8.410316775	-1.687333389	0.000559
peak_34651	chr7	17082045	17082677	-31853	Intergenic	NM_001017735	mpped2a	4.944570835	6.632045675	-1.68747484	0.006382
peak_21824	chr10	14837779	14838701	119993	Intergenic	NM_131366	smad2	5.787037106	7.474576479	-1.687539372	0.0001
peak_31866	chr19	29356614	29357044	-81755	Intergenic	NM_213122	sox4a	4.625495796	6.31317382	-1.687678024	0.003326
peak_37609	chr23	72057	72435	37777	Intergenic	NM_130985	twist3	3.357381403	5.045124027	-1.687742623	0.011869
peak_21768	chr21	40044231	40045863	19160	intron (NM_131276, intron 1 of 2)	NM_131276	msxd	8.036858192	9.724772863	-1.687914671	9.73E-05
peak_29292	chr3	37054857	37055233	22324	3' UTR (NM_200908, exon 11 of 11)	NM_200908	tubg1	3.803316476	5.491233918	-1.687917443	0.001659
peak_35681	chr9	57947814	57948840	10575	Intergenic	NM_001040052	rpl31	5.443023874	7.130947448	-1.687923574	0.007984
peak_32693	chr16	51928333	51928731	-21667	Intergenic	NM_131612	pbx2	4.215200887	5.903190663	-1.687989776	0.004079
peak_33922	chr4	49866533	49867055	27606	Intergenic	NM_001111254	zgc:174180	3.268781826	4.956925287	-1.688143462	0.00544
peak_23292	chr6	11745056	11746039	-22487	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	5.017094822	6.705313178	-1.688218356	0.00019
peak_40849	chr17	49648811	49649157	-49796	Intergenic	NM_205687	cga	2.096540606	3.784761582	-1.688220976	0.020719
peak_23861	chr11	3429384	3429938	-3364	intron (NM_001083015_1, intron 1 of 2)	NM_001083015	acap3b	5.226989601	6.915253433	-1.688263833	0.000243
peak_26620	chr1	4727036	4727397	-105551	Intergenic	NM_212965	nrp2a	4.065285294	5.753551453	-1.688266159	0.000681
peak_41804	chr3	6411250	6411783	-115891	intron (NM_001089460, intron 1 of 20)	NM_152952	cygb1	2.215200887	3.903480101	-1.688279214	0.023973
peak_37265	chr19	34949196	34949773	-117140	Intergenic	NM_001076776	runx1t1	4.484893018	6.173202022	-1.688309004	0.011149
peak_27799	chr15	32305596	32306031	165379	Intergenic	NM_199743	zgc:73340	5.087478491	6.775971985	-1.688493494	0.001031
peak_43716	chr2	17367761	17368191	-153786	exon (NM_001083576, exon 23 of 33)	NM_214785	st3gal3b	3.027956891	4.716785497	-1.688828607	0.031825
peak_27621	chr23	456775	457376	31281	Intergenic	NM_001003448	zgc:92113	5.108735571	6.797694189	-1.688958618	0.000966
peak_43486	chr7	68646988	68647275	-178999	Intergenic	NM_001110471_1	parvab	2.972850631	4.661852845	-1.689002213	0.030741
peak_20915	chr11	21310067	21311328	-37286	Intergenic	NM_001002230	tuba7l	6.56530235	8.25434374	-1.68904139	6.45E-05
peak_25357	chr4	3440684	3441534	114539	Intergenic	NM_200436	znf800b	5.511247402	7.200583089	-1.689335687	0.000441
peak_19700	chr17	38525608	38526869	62838	Intergenic	NM_001256179	mbip	7.017613855	8.707010634	-1.689396779	3.46E-05
peak_24059	chr9	32460939	32461489	97169	Intergenic	NM_001173502	tmtc4	4.450052762	6.139755978	-1.689703216	0.000263
peak_29177	chr15	24710537	24710848	-12363	Intergenic	NM_001077560	cluha	3.972850631	5.66263832	-1.689787689	0.001598
peak_30178	chr14	39034864	39035156	828111	Intergenic	NM_001048055	lect2l	3.725478726	5.41527119	-1.689792464	0.002131
peak_29898	chr3	51756681	51757081	-370988	Intergenic	NM_001102636	zgc:165582	3.933017882	5.622955327	-1.689937445	0.001968
peak_26652	chr21	15898757	15899451	85729	Intergenic	NM_001282392	tsc1b	5.6900456	7.380039615	-1.689994014	0.000686
peak_33293	chr3	61702365	61703129	-7435	Intergenic	NM_213266	helz	5.15770641	6.847789959	-1.69008355	0.004689
peak_37957	chr7	32364668	32365072	-98261	Intergenic	NM_001013468	zgc:111992	4.462073062	6.152261991	-1.69018893	0.01264
peak_28182	chr13	47701165	47701466	161028	Intergenic	NM_001135791	bcl2l11	4.040035898	5.730321821	-1.690285923	0.00117
peak_27735	chr4	15654305	15654946	-41393	Intergenic	NM_200020	btg1	6.698599554	8.388891966	-1.690292412	0.001006
peak_31000	chr2	20325335	20325724	83963	Intergenic	NM_001172653	agla	4.217566349	5.907882786	-1.690316437	0.002617
peak_30035	chr14	46759248	46759632	235974	Intergenic	NM_001044886	si:ch211-240l14.:	4.056062627	5.7463839	-1.690321273	0.002042
peak_21577	chr13	1108034	1109158	71419	Intergenic	NM_001110393	olig3	7.211183043	8.901625248	-1.690442206	8.91E-05
peak_23597	chr19	14872912	14873927	-7	promoter-TSS (NM_201091)	NM_201091	lin28a	6.107123137	7.79758427	-1.690461133	0.000215
peak_24516	chr21	3001294	3001965	171031	Intergenic	NM_001079958	add1	5.953092428	7.64357818	-1.690485752	0.000319
peak_18556	chr11	29146282	29147322	51821	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	7.254674862	8.945409799	-1.690734937	1.83E-05
peak_21198	chr23	23154636	23156754	205008	Intergenic	NM_212722	eno1a	7.794297086	9.485398071	-1.691100984	7.41E-05
peak_27600	chr8	33999175	33999704	3280	intron (NM_001122711, intron 1 of 1)	NM_001122711	LOC100004439	4.291414275	5.982538166	-1.691123891	0.000959
peak_37991	chr16	28608038	28608426	-82145	Intergenic	NM_001109704	trim35-28	4.202121063	5.893434421	-1.691313358	0.012726
peak_35678	chr12	38781797	38782146	55544	Intergenic	NM_001040355	pmp22b	3.760062422	5.451413724	-1.691351302	0.007979
peak_21988	chr2	33774189	33774864	15367	intron (NM_201074, intron 3 of 11)	NM_201074	eif2b3	7.036533059	8.72796898	-1.691435922	0.000108
peak_19895	chr3	43414625	43415702	98224	Intergenic	NM_201585	micall2a	7.164321272	8.855858236	-1.691536964	3.87E-05
peak_21537	chr10	36439810	36440933	-166	promoter-TSS (NM_001014327)	NM_001014327	zgc:113255	6.190640827	7.882200954	-1.691560126	8.71E-05
peak_33435	chr21	13216039	13216389	-181843	Intergenic	NM_001008603	pus1	3.893534166	5.585194277	-1.691660111	0.004862
peak_28805	chr3	58777505	58777893	14691	intron (NM_001161654, intron 1 of 10)	NM_001161654	notum1a	4.404980039	6.096661748	-1.69168171	0.001422
peak_22436	chr24	17721436	17722304	-84042	Intergenic	NM_001008734	commd3	7.088153263	8.779847641	-1.691694378	0.000132
peak_33628	chr23	29058527	29058826	-7304	Intergenic	NM_001002631	dffa	3.632603848	5.324337912	-1.691734064	0.005059
peak_22253	chr21	344136	345465	-131	promoter-TSS (NM_205663)	NM_205663	lhfpl2a	7.764916588	9.4567464	-1.691829812	0.000122
peak_27257	chr18	31598979	31599380	-3292	Intergenic	NM_001082889	v2rh32	4.165691145	5.857587063	-1.691895918	0.00085
peak_29600	chr19	36394223	36394680	27475	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	4.301549226	5.993604611	-1.692055385	0.001802
peak_29717	chr5	51425822	51426270	-101527	Intergenic	NM_131180	nr2f1a	4.856782579	6.548843555	-1.692060976	0.001867
peak_24725	chr7	75324641	75325385	89383	Intergenic	NM_152885	adcyap1a	5.602070526	7.294344289	-1.692273763	0.000348
peak_37975	chr4	55331244	55331512	-282574	Intergenic	NM_001111199	zgc:173710	2.529533336	4.222031322	-1.692497986	0.012702
peak_27444	chr12	44210631	44211148	71749	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	5.450555613	7.143146043	-1.692590431	0.000907
peak_30932	chr12	20753886	20754399	207725	Intergenic	NM_001013509	shisa9a	4.149677235	5.84233785	-1.692660615	0.002574

peak_20907	chr12	47330193	47331589	-230655	Intergenic	NM_001083007	zgc:153932	7.141869096	8.83475588	-1.692886784	6.43E-05
peak_42816	chr5	72144070	72144501	6074	intron (NM_178286, intron 4 of 4)	NM_178286	selm	2.210458296	3.903394434	-1.692936138	0.027757
peak_21259	chr1	9282759	9284087	-11135	Intergenic	NM_001135971	zgc:194355	7.636138337	9.329218291	-1.693079954	7.59E-05
peak_43195	chr19	22968771	22969130	-5765	Intergenic	NM_001100032	pleca	3.335768134	5.028909824	-1.69314169	0.029501
peak_34129	chr18	42849866	42850120	93545	intron (NM_001123012, intron 3 of 16)	NM_001123012	aplp2	3.215200887	4.908383722	-1.693182835	0.005686
peak_39559	chr8	15057204	15057558	14355	intron (NM_001128364, intron 6 of 11)	NM_001128364	qsox1	3.26649893	4.959776361	-1.693277432	0.016786
peak_27462	chr11	5051122	5051460	-226615	Intergenic	NM_001077310		3.679788522	5.373105911	-1.69331739	0.000913
peak_31796	chr24	43555471	43555748	22175	intron (NM_001007435, intron 11 of 13)	NM_001007435	arhgap28	3.44299439	5.136374811	-1.693380421	0.00326
peak_28151	chr3	48876805	48877226	366301	Intergenic	NM_001079978	zgc:158309	4.529477799	6.222913978	-1.693436179	0.00116
peak_43571	chr7	44756158	44756557	4454	intron (NM_131214, intron 4 of 10)	NM_131214	cdh11	3.620037365	5.3135183	-1.693480935	0.031091
peak_33013	chr22	18627491	18627805	14188	intron (NM_001044843, intron 1 of 5)	NM_001044843	yjefn3	3.447031973	5.140516085	-1.693484112	0.004415
peak_35444	chr13	45636540	45636969	5133	intron (NM_130925, intron 6 of 8)	NM_130925	khdrbs1a	4.25726398	5.950763705	-1.693499725	0.007563
peak_35451	chr20	33952128	33952401	5317	intron (NM_001025498, intron 1 of 6)	NM_001025498	lmx1a	3.293658114	4.987196243	-1.693538129	0.007569
peak_24211	chr5	16137713	16138317	9024	intron (NM_001123312, intron 1 of 15)	NM_001123312	myst3	5.620089523	7.313645598	-1.693556075	0.000282
peak_36454	chr7	13722158	13722581	11112	intron (NM_001081691, intron 1 of 8)	NM_001081691	sh3gl3a	4.47701655	6.17067038	-1.693653831	0.009451
peak_29229	chr6	25762846	25763375	-75524	Intergenic	NM_212689	lmo4b	5.229370018	6.923270013	-1.693899995	0.001624
peak_27805	chr18	25865838	25866172	34182	intron (NM_199792, intron 1 of 5)	NM_199792	znf710a	4.290291045	5.984243604	-1.693952559	0.001032
peak_23906	chr5	58110213	58110730	-187433	Intergenic	NM_001102384	tbx2a	5.371851389	7.065809632	-1.693958243	0.000247
peak_32371	chr17	17203539	17204085	74240	intron (NM_001080009, intron 5 of 23)	NM_001080009	nrxn3a	4.071837003	5.765926442	-1.694089439	0.003758
peak_23121	chr20	26978785	26979431	1597	intron (NM_001075116, intron 1 of 1)	NM_001075116	si:dkey-177p2.6	5.665514359	7.359615213	-1.694100854	0.000178
peak_26252	chr9	29223114	29223528	-42757	Intergenic	NM_131134	fzd5	5.746949991	7.441057348	-1.694107357	0.0006
peak_37621	chr22	24496174	24496574	55676	Intergenic	NR_029937		3.997917271	5.692042954	-1.694125683	0.011881
peak_20000	chr11	46510291	46511044	-36848	Intergenic	NM_214737_1	rfc4	7.138274948	8.832653545	-1.694378597	4.12E-05
peak_40379	chr16	960007	960264	139485	Intergenic	NM_207185	irx1a	3.234016866	4.928438432	-1.694421566	0.019171
peak_26490	chr13	14796112	14796385	-6074	Intergenic	NM_001115095	cdc25	4.570876996	6.265393802	-1.694516806	0.000651
peak_38319	chr8	19725244	19725539	65879	Intergenic	NM_212872	zgc:77486	3.374565546	5.069141499	-1.694575953	0.013557
peak_41840	chr5	59598190	59598773	-137338	Intergenic	NM_197936	drd2b	2.111880861	3.806630995	-1.694750134	0.024082
peak_19208	chr7	22270726	22272403	136663	Intergenic	NM_131806	efnb3b	9.344420487	11.03943671	-1.695016221	2.65E-05
peak_20774	chr13	39819685	39820250	23817	exon (NM_001111187, exon 7 of 14)	NM_001111187	zgc:172136	6.439437433	8.134513429	-1.695075996	6.03E-05
peak_33177	chr2	47117418	47117768	405030	Intergenic	NM_001145932	acsl3b	3.681503107	5.376626031	-1.695122924	0.004579
peak_21741	chr13	3230949	3231899	-63143	Intergenic	NM_001017635	park2	6.801335104	8.496472089	-1.695136985	9.62E-05
peak_39101	chr11	44736420	44737043	-39690	Intergenic	NM_001002123	ralbb	4.734591559	6.429837054	-1.695245495	0.015531
peak_21455	chr2	47574827	47575371	-5999	Intergenic	NM_131277	pax3a	5.980920138	7.676304557	-1.695384419	8.35E-05
peak_29585	chr3	3472134	3472692	470732	Intergenic	NM_001098774	zgc:165583	4.135913813	5.831321186	-1.695407372	0.001799
peak_18940	chr23	13751479	13752225	35644	Intergenic	NR_030650		7.575508377	9.270917405	-1.695409028	2.29E-05
peak_28051	chr20	27982654	27982927	-95542	Intergenic	NM_001044781	syndig1l	3.771377205	5.466818671	-1.695441466	0.00112
peak_25413	chr14	23921882	23922272	420355	Intergenic	NM_001004614	smyd5	4.801740793	6.497187786	-1.695446993	0.00045
peak_32389	chr13	31851432	31852015	-5926	Intergenic	NM_001009904	six1a	4.913411094	6.608879052	-1.695467958	0.003775
peak_27632	chr7	69245356	69245816	-95169	Intergenic	NM_001007441	znf143a	4.718814869	6.414292112	-1.695477243	0.00097
peak_28480	chr8	34663658	34664171	242392	Intergenic	NM_001098243	pbx3b	4.230507512	5.926008879	-1.695501366	0.00128
peak_26460	chr14	24290240	24290673	-278609	Intergenic	NM_001039461	med12	4.593873361	6.289506021	-1.695632659	0.000642
peak_23755	chr1	6715823	6716248	38446	Intergenic	NM_001013498	eng1b	5.453096518	7.148792631	-1.695696113	0.000232
peak_34056	chr13	9828520	9828825	-2093	Intergenic	NM_131362	six3a	3.492783688	5.188549796	-1.695766107	0.005592
peak_22178	chr17	27305700	27306222	-9933	3' UTR (NM_001033095, exon 4 of 4)	NM_001002368	ctsl.1	5.797375709	7.49318954	-1.695813831	0.000118
peak_40697	chr11	36420483	36421110	183250	Intergenic	NM_212679	bhlhe40	4.31603542	6.011929043	-1.695893624	0.020216
peak_21941	chr25	8373342	8373858	46761	Intergenic	NM_001195197	kcnc1b	6.112235804	7.808166348	-1.695930544	0.000106
peak_24785	chr1	1747368	1747717	-34329	Intergenic	NM_001159837	slc5a3a	4.59113946	6.287093017	-1.695953558	0.000357
peak_21531	chr5	70860398	70861551	55702	Intergenic	NM_201125	spag7	6.587930013	8.283905047	-1.695975034	8.68E-05
peak_29920	chr7	57617428	57617940	-118174	Intergenic	NM_212585	ist1	5.005466053	6.701479244	-1.696013191	0.001979
peak_19304	chr18	45891181	45891903	143457	Intergenic	NM_199925	zgc:77304	7.581732563	9.278006062	-1.696273499	2.78E-05
peak_28154	chr2	50752838	50753146	15574	intron (NM_001033920, intron 2 of 7)	NM_001033920	ahrrb	4.217566349	5.914137253	-1.696570904	0.00116
peak_28273	chr6	44677428	44677858	-344361	Intergenic	NM_001256392	pdzrn3b	4.832977038	6.529558827	-1.696581788	0.001199
peak_24508	chr6	20911606	20912667	-118013	Intergenic	NM_205740	barhl2	5.807248169	7.503875766	-1.696627597	0.000318
peak_21317	chr24	13081683	13082477	94896	intron (NM_200925, intron 13 of 14)	NM_001080583	rdh10a	6.870387049	8.567158677	-1.696771628	7.78E-05
peak_23218	chr2	16384757	16385374	1206	intron (NM_131221, intron 1 of 6)	NM_131221	atp1b3a	6.621219673	8.31810425	-1.696884576	0.000185
peak_27951	chr14	38871866	38872264	665166	Intergenic	NM_001048055	lect2l	4.671997258	6.368997493	-1.697000235	0.001088
peak_18916	chr13	47011541	47012339	28677	intron (NM_178303, intron 2 of 17)	NM_001243004	fgfr2	7.066926013	8.764037013	-1.697111	2.26E-05
peak_31310	chr19	40173694	40174113	202947	Intergenic	NM_212579	col9a2	4.036020788	5.73314286	-1.697122071	0.002855
peak_19841	chr2	57556837	57558150	-5821	Intergenic	NM_001245962_1	sbno2a	8.07789944	9.775025417	-1.697125978	3.75E-05
peak_32031	chr3	8430721	8430960	-4136	Intergenic	NM_212750	junbb	3.937329692	5.634575809	-1.697246117	0.003453
peak_19083	chr16	34019587	34020483	-4096	Intergenic	NM_131500	wnt4b	7.010790733	8.708041079	-1.697250347	2.49E-05
peak_28253	chr7	42291203	42291999	-36884	Intergenic	NM_199843	shcbp1	5.040742964	6.738136188	-1.697393224	0.00119
peak_34783	chr23	3088410	3089081	163180	Intergenic	NM_001089467	zgc:158828	4.349853535	6.047300905	-1.69744737	0.006535
peak_24902	chr7	31200755	31201184	913	intron (NM_201193, intron 1 of 57)	NM_201193	tln2a	4.958780025	6.656306363	-1.697526338	0.000374
peak_21086	chr24	17766129	17766682	-39507	Intergenic	NM_001008734	commd3	6.47974331	8.177384572	-1.697641261	6.99E-05
peak_37625	chr11	44921364	44921897	21153	intron (NM_001015069_1, intron 1 of 3)	NM_001015069_1	gli2b	4.449046535	6.146741778	-1.697695243	0.011888
peak_30515	chr24	17734926	17735429	-70735	Intergenic	NM_001008734	commd3	4.108061062	5.805786386	-1.697725324	0.002318
peak_32555	chr2	6494571	6494909	-95936	Intergenic	NM_001017821	rgs5b	3.886118348	5.583958418	-1.69784007	0.00394
peak_21230	chr23	23710523	23711234	-15473	Intergenic	NM_131873	her9	5.640999424	7.338898432	-1.697899008	7.50E-05
peak_23809	chr17	15282779	15283174	8209	Intergenic	NM_131605	fabp7a	4.764113611	6.462094009	-1.697980399	0.000237
peak_37514	chr23	1930589	1930908	128374	Intergenic	NM_001002301	prdm5	3.905406352	5.603454963	-1.698048611	0.011705
peak_30057	chr17	53702970	53703522	16008	intron (NM_001013290, intron 5 of 7)	NM_001013290	dph6	5.054040039	6.752267002	-1.698226962	0.002055
peak_34807	chr21	22506144	22506524	79155	intron (NM_199635, intron 3 of 4)	NM_199635	zbtb16a	3.449046535	5.147388523	-1.698341988	0.006563
peak_21362	chr15	39359164	39359754	168167	Intergenic	NM_001077577	fat3a	5.631247876	7.329592146	-1.69834427	7.99E-05
peak_34092	chr15	26967709	26968354	91206	Intergenic	NM_131216	lhx1a	3.860527269	5.558935936	-1.698408667	0.005635
peak_29083	chr13	33341000	33341405	72	promoter-TSS (NM_001145765)	NM_001145765	si:ch211-10a23.2	4.168139123	5.866718099	-1.698578976	0.001551
peak_28876	chr13	47727521	47728611	134277	Intergenic	NM_001135791	bcl2l11	5.532358678	7.231018414	-1.698659736	0.001454
peak_29602	chr7	23882253	23882712	-3341	Intergenic	NM_200211	fxr2	4.036020788	5.734732957	-1.698712169	0.001805
peak_28797	chr18	23741818	23742198	-82943	Intergenic	NM_131183	nr2f2	4.133410493	5.832180605	-1.698770113	0.001417
peak_19603	chr19	11017848	11018959	-184	promoter-TSS (NM_001128776)	NM_001128776	zgc:194578	7.840602433	9.539400435	-1.698798002	3.29E-05
peak_35325	chr3	61494424	61494805	-41956	Intergenic	NM_213338	aimp2	4.656338216	6.355296048	-1.698957831	0.007357
peak_19478	chr7	57459794	57460821	98454	Intergenic	NM_212606	cdh15	8.10952718	9.808544415	-1.699017235	3.05E-05
peak_29389	chr25	29876929	29877440	63584	intron (NM_001083002, intron 4 of 8)	NM_001083002	arid3b	4.732938956	6.43198005	-1.699041094	0.0017
peak_37462	chr2	25066545	25067200	-157267	Intergenic	NM_001002303	nceh1a	5.792600791	7.491684355	-1.699083564	0.011589
peak_32100	chr2	56127648	56128045	-11354	Intergenic	NM_001171591	cplx4c	4.491806838	6.191125751	-1.699318913	0.003506
peak_38379	chr16	6768563	6768809	-84780	Intergenic	NM_001002182	zgc:91890	2.33794409	4.037279555	-1.699335465	0.013746
peak_27879	chr14	28056991	28057611	246208	Intergenic	NM_001110457	klhl4	4.562527284	6.261866967	-1.699339683	0.001059
peak_28744	chr14	50134766	50135305	115486	intron (NM_001031842, intron 5 of 16)	NM_001031842	fstl5	5.109372609	6.808742145	-1.699369536	0.001391
peak_37262	chr24	25690734	25691192	13406	Intergenic	NM_001100152	amer2	4.879411363	6.57882802	-1.699416657	0.011139
peak_22797	chr1	22596636	22597438	38038	intron (NM_131735, intron 4 of 35)	NM_131735	slit2	5.63080423	7.330251453	-1.699447223	0.000153
peak_30457	chr16	51554738	51555304	49804	intron (NM_001003763, intron 2 of 7)	NM_001003763	eif3ha	4.541856033	6.241347021	-1.699490987	0.002287
peak_28112	chr17	44457790	44458339	29232	Intergenic	NM_001113796	exoc5	5.486912637	7.186423928	-1.699511291	0.001146
peak_29685	chr19	48138269	48138675	-33692	Intergenic	NM_001012369_1	ext1b	4.029304008	5.728855406	-1.699551398	0.001855
peak_19860	chr6	1051799	1052680	-95258	Intergenic	NM_001245966	zeb2b	7.885095686	9.584811091	-1.699715405	3.79E-05
peak_36903	chr13	40268321	40268797	122476	Intergenic	NM_001128272	zgc:171482	4.411193427	6.11096514	-1.699771712	0.010362
peak_27593	chr23	1918463	1918924	140429	Intergenic	NM_001002301	prdm5	3.843780917	5.543608984	-1.699828067	0.000956
peak_37215	chr19	41498594	41499194	188029	Intergenic	NM_001245085	LOC558612	4.504454597	6.204310957	-1.69985636	0.011036
peak_37478	chr2	26328657	26329007	1566	intron (NM_001171028, intron 1 of 7)	NM_001171028	lppr3a	3.496684491	5.196544561	-1.69986007	0.011625
peak_29354	chr21	12833297	12833670	60733	Intergenic	NM_001172564	ehmt1b	4.540911861	6.24079511	-1.699883249	0.001687
peak_37032	chr1	41477188	41477577	-35116	Intergenic	NM_201306	lrpap1	4.115764558	5.815653378	-1.69988882	0.010627
peak_18419	chr20	43319100	43320207	-91189	Intergenic	NM_001044916	unc93a	8.750356292	10.45031739	-1.699961094	1.71E-05
peak_35618	chr5	7257096	7257540	36958	TTS (NM_001077347)	NM_001077347	stpg2	4.228163191	5.928136787	-1.699973595	0.007875
peak_33887	chr23	4750643	4751077	8617	intron (NM_181498_1, intron 5 of 5)	NM_199749	cnbpa	3.650222256	5.350237744	-1.700015488	0.005382
peak_36663	chr9	34143443	34143936	-3227	Intergenic	NM_001002682	casq2	4.376683808	6.076712667	-1.700028859	0.009856
peak_32992	chr20	28773259	28773828	20422	intron (NM_001281792, intron 1 of 20)	NM_001281792	sipa1l1	5.711207607	7.411295418	-1.700087811	0.004391

peak_38583	chr4	2658862	2659265	-68925	Intergenic	NM_001044997	slco1c1	3.355234589	5.055439754	-1.700205165	0.014177
peak_25365	chr9	1860664	1861335	68890	Intergenic	NM_131125	hoxd3a	5.440435614	7.140685419	-1.700249806	0.000443
peak_29783	chr19	8892632	8893216	-173404	Intergenic	NM_001128368	si:dkey-266f7.9	4.211645407	5.912014928	-1.700369522	0.00191
peak_27758	chr2	28346966	28347388	-203817	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	4.096540606	5.796995458	-1.700454851	0.001017
peak_32513	chr19	8109227	8110168	-8652	Intergenic	NM_001002401	mrpl24	5.841820838	7.542470181	-1.700649343	0.003903
peak_39338	chr19	48159340	48160396	-12296	Intergenic	NM_001012369_1	ext1b	1.950271315	3.650968192	-1.700696877	0.016157
peak_27276	chr24	40740196	40740656	6142	intron (NM_205554, intron 1 of 2)	NM_205554	atp6v0cb	4.768960068	6.469728994	-1.700768926	0.000855
peak_27204	chr18	1740391	1741027	-43012	Intergenic	NM_001030257	rab27a	6.344483904	8.045292534	-1.70080863	0.000833
peak_22687	chr15	34818805	34819225	269389	Intergenic	NM_001080189_1	zgc:158328	5.556439486	7.257348084	-1.700908599	0.000147
peak_28727	chr1	19103679	19103957	271264	Intergenic	NM_001044325	zgc:136652	3.48887231	5.189887559	-1.701015249	0.001378
peak_21935	chr23	7037382	7038000	-46469	Intergenic	NM_001113583	trim35-39	5.961252308	7.662300722	-1.701048414	0.000106
peak_20416	chr25	4560343	4561126	-249179	Intergenic	NM_131786	cry3	6.710194821	8.411261893	-1.701067072	5.12E-05
peak_39425	chr2	59482737	59484619	11762	intron (NM_212882_1, intron 4 of 9)	NM_001017797	cirbpa	6.424624391	8.125777677	-1.701153287	0.016377
peak_23513	chr21	32938006	32938654	60137	Intergenic	NM_199763	rnf145b	5.48835407	7.189524748	-1.701170678	0.000208
peak_29272	chr10	10182208	10182715	112989	Intergenic	NR_029938		4.865104932	6.566357634	-1.701252703	0.001648
peak_34870	chr23	5850794	5851485	-17868	Intergenic	NM_205567	csrp1a	4.737115014	6.438534949	-1.701419935	0.006666
peak_28983	chr17	8393379	8393796	14434	intron (NM_001080601, intron 1 of 5)	NM_001080601	fzd3b	4.426670464	6.128194492	-1.701524028	0.001503
peak_34265	chr18	31513595	31514212	52346	Intergenic	NM_001082899	v2rx1	5.084927414	6.786874076	-1.701946662	0.005858
peak_18269	chr9	26812036	26815484	3145	intron (NM_001114551, intron 1 of 8)	NM_001114551	zeb2a	8.950739414	10.65277026	-1.702030847	1.59E-05
peak_35906	chr12	33372990	33373603	-27069	Intergenic	NM_001110373	habp2	4.349853535	6.051949436	-1.702095901	0.008369
peak_29087	chr3	29864920	29865240	-814	promoter-TSS (NM_200641)	NM_200641	cacng2a	4.198463301	5.900583433	-1.702120132	0.001552
peak_37307	chr24	36754264	36754593	76007	Intergenic	NM_001030067	pcmtd1	3.322643025	5.024787811	-1.702144786	0.011228
peak_26662	chr13	7546705	7547021	-71815	Intergenic	NM_001037101	hells	4.10167217	5.803864602	-1.702192432	0.00069
peak_21550	chr11	39858944	39859472	-70899	Intergenic	NM_001004601	nucks1a	5.556906595	7.259286401	-1.702379806	8.77E-05
peak_28884	chr12	36433898	36434309	-2191	Intergenic	NM_001256248	tbccl	3.934456584	5.63692249	-1.702465906	0.001457
peak_33568	chr21	14174747	14175311	-42950	Intergenic	NM_131218	lhx5	4.424624391	6.127110209	-1.702485819	0.004988
peak_41450	chr21	15374675	15375188	-116795	Intergenic	NM_001166121	aqp3b	4.488815185	6.191421669	-1.702606484	0.022775
peak_22859	chr12	20342394	20342938	46649	Intergenic	NM_212632	slc16a8	5.401373514	7.104428177	-1.703054663	0.000158
peak_27219	chr7	2633670	2634045	-14007	Intergenic	NM_001114582	zgc:171424	4.221107285	5.924309785	-1.7032025	0.000838
peak_22515	chr23	37899326	37899888	-9268	Intergenic	NM_131881	irx7	6.190941802	7.894172987	-1.703231185	0.000136
peak_41855	chr12	39814294	39814594	276206	Intergenic	NM_001110169	zgc:171957	3.224639552	4.927893498	-1.703253946	0.024138
peak_42065	chr20	48299563	48299926	84713	Intergenic	NM_001024665	tfap2b	2.621928594	4.325505897	-1.703577303	0.024873
peak_35821	chr7	43897977	43898340	8306	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	4.467110104	6.170792144	-1.70368204	0.00824
peak_25743	chr16	16841474	16842959	40093	Intergenic	NM_001004611	dscc1	5.967259347	7.670956705	-1.703697359	0.000503
peak_25782	chr7	42735233	42735631	-480715	Intergenic	NM_199843	shcbp1	3.846840202	5.550612657	-1.703772455	0.00051
peak_20994	chr6	31346956	31347509	286991	Intergenic	NM_131073	jak1	5.970418617	7.674510869	-1.704092252	6.67E-05
peak_26857	chr23	36810212	36810967	9715	intron (NM_001080018, intron 1 of 17)	NM_001080018	agap2	4.33794409	6.042175519	-1.704231429	0.000743
peak_24070	chr2	57957347	57958471	-6531	Intergenic	NM_001242942	pias4b	5.792204096	7.496438763	-1.704234667	0.000265
peak_26383	chr8	50294953	50295517	238470	Intergenic	NM_001128254	mfn2	4.676353226	6.38061073	-1.704257504	0.000628
peak_34570	chr14	40719017	40719754	-191825	Intergenic	NM_131782	glra4a	5.075791826	6.780158063	-1.704366238	0.00629
peak_22215	chr13	34022203	34023444	28812	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	7.981539338	9.685908139	-1.704368801	0.00012
peak_26606	chr8	20325918	20326512	113844	Intergenic	NM_131271	foxd1	5.041410737	6.745863762	-1.704453025	0.000676
peak_37640	chr24	10607048	10607435	62309	intron (NM_207078, intron 5 of 10)	NM_207078	fam49bb	2.715471362	4.420065513	-1.704594151	0.011928
peak_20421	chr17	20672440	20673225	-81012	Intergenic	NM_212564	cdk1	6.598658493	8.303299453	-1.70464096	5.13E-05
peak_35481	chr20	36809980	36810550	14324	Intergenic	NM_001030275	ptrhd1	4.411193427	6.115921145	-1.704727718	0.007623
peak_19993	chr4	16485048	16485888	155	exon (NM_131219, exon 1 of 2)	NM_131219	ascl1a	5.717119702	7.421884995	-1.704765293	4.11E-05
peak_22063	chr17	18373831	18374366	253278	Intergenic	NM_213385	vrk1	5.689218482	7.394105087	-1.704886604	0.000112
peak_25392	chr19	35069944	35070284	3490	intron (NM_001076776, intron 1 of 10)	NM_001076776	runx1t1	3.922906591	5.627938918	-1.705032327	0.000448
peak_21154	chr7	44803168	44803673	-42609	Intergenic	NM_131214	cdh11	6.476290327	8.181355722	-1.705065395	7.24E-05
peak_29525	chr9	46417887	46418392	253077	Intergenic	NM_001099232	zgc:165571	4.722150645	6.427224938	-1.705074293	0.00177
peak_23756	chr3	4360695	4362215	185837	intron (NM_001114711_1, intron 6 of 6)	NM_001130791	plbd1	8.614375439	10.31957299	-1.705197549	0.000232
peak_23800	chr12	44880906	44881244	-104387	Intergenic	NM_001110011_1	dock1	4.518967649	6.224223311	-1.705255662	0.000236
peak_37295	chr19	40448729	40449029	477923	Intergenic	NM_212579	col9a2	3.828296123	5.533865143	-1.70556902	0.011209
peak_29741	chr17	22930036	22930449	-46561	Intergenic	NM_001110464	rasgrp3	4.506390602	6.212033692	-1.70564309	0.001885
peak_38033	chr5	42987130	42988122	46031	intron (NM_001100039, intron 2 of 7)	NM_001100039	arid3a	4.84531137	6.551001675	-1.705690304	0.012844
peak_27744	chr17	10926074	10926380	59818	intron (NM_001258228, intron 9 of 10)	NM_001258228	si:ch211-185a18.	3.995162437	5.700854797	-1.70569236	0.001009
peak_26485	chr20	22878548	22879010	92612	intron (NM_001013564, intron 4 of 5)	NM_001013564	scfd2	4.789026601	6.49490128	-1.705874679	0.000649
peak_17822	chr7	25914832	25916154	-28747	Intergenic	NM_213433	cmtr2	8.210868946	9.916798513	-1.705929567	1.22E-05
peak_29363	chr9	43944503	43945154	-141170	Intergenic	NM_001004506	fkbp7	4.71709532	6.423117249	-1.70602193	0.00169
peak_28108	chr14	11971501	11971948	-265750	Intergenic	NM_001105590	zgc:174917	5.299875858	7.005975596	-1.706099738	0.001144
peak_26809	chr18	30256941	30257354	-128871	Intergenic	NM_001080807	gse1	4.613817609	6.319963832	-1.706146223	0.000732
peak_26491	chr17	17852073	17852532	-9750	intron (NM_001045384, intron 5 of 6)	NM_200054	setd3	4.678071896	6.384403405	-1.706331509	0.000651
peak_33805	chr8	22169309	22169633	248100	Intergenic	NM_001040382	si:dkey-24f17.5	3.725478726	5.431880971	-1.706402244	0.005262
peak_29526	chr14	442488	442867	58966	Intergenic	NM_001114567	zgc:172215	3.992402332	5.69888037	-1.706478038	0.00177
peak_22244	chr8	3113806	3114634	122333	Intergenic	NM_001045162	crb2b	6.446513186	8.153191841	-1.706678654	0.000121
peak_22119	chr17	727858	728373	27709	Intergenic	NM_213316	arhgap11a	5.689619675	7.396300574	-1.7066809	0.000115
peak_25147	chr10	43125082	43125670	-5397	Intergenic	NM_001110035	rnf34b	4.823690559	6.530492849	-1.70680229	0.000408
peak_20924	chr24	36419303	36420646	-258447	Intergenic	NM_001030067	pcmtd1	6.848378547	8.555328389	-1.706949842	6.47E-05
peak_24099	chr12	46518718	46519138	102507	Intergenic	NM_212942	fbxl15	4.772182018	6.479258936	-1.707076917	0.000269
peak_43465	chr21	29478550	29478884	-1108	Intergenic	NM_001042713	tnfsf10l3	3.620141679	5.32722119	-1.70707951	0.03065
peak_21370	chr21	3618609	3619636	70247	Intergenic	NM_175082	smad7	5.982659603	7.689800803	-1.7071412	8.01E-05
peak_21441	chr8	125641	126339	37891	Intergenic	NM_001089546_1	zgc:163014	6.272735044	7.979881935	-1.707146891	8.30E-05
peak_19091	chr7	43973812	43974456	-70354	exon (NM_001007175, exon 21 of 40)	NM_001017713_1	idh3g	7.630588828	9.337795286	-1.707206458	2.49E-05
peak_36786	chr13	45260107	45260485	97852	Intergenic	NM_001030175	zfand3	3.393518857	5.100729452	-1.707210595	0.010093
peak_38433	chr1	52753086	52753413	-35334	Intergenic	NM_001145598	cnn1a	2.346615242	4.053840727	-1.707225484	0.013861
peak_25103	chr12	29383871	29384351	276853	Intergenic	NM_131425	etv4	4.849130417	6.55640718	-1.707276764	0.000402
peak_28901	chr12	37772222	37772833	56916	Intergenic	NM_001110465	dnai2a	5.455574501	7.163055307	-1.707480806	0.001468
peak_26873	chr7	51244683	51245223	72196	Intergenic	NM_131231	ascl1b	4.839947665	6.547472171	-1.707524507	0.000746
peak_27585	chr16	54303949	54304566	340535	intron (NM_001017775, intron 4 of 7)	NM_001017775	zgc:110372	5.048071517	6.755986083	-1.707914566	0.000953
peak_34410	chr3	37499548	37499812	66703	Intergenic	NM_201504	arf2	3.280142431	4.988059265	-1.707916834	0.006068
peak_37281	chr19	2747235	2747561	11642	intron (NM_001077282, intron 1 of 6)	NM_001077282	nedd9	2.224639552	3.93279503	-1.708155478	0.011179
peak_26307	chr20	9737145	9738267	23575	intron (NM_213412, intron 9 of 10)	NM_199649	zfp36l1b	5.89503432	7.603245664	-1.708211344	0.000611
peak_30179	chr16	47528952	47529311	15725	Intergenic	NM_001007425	zgc:101716	3.961605146	5.669981265	-1.70837612	0.002132
peak_35155	chr19	102254	102819	51993	Intergenic	NM_001045306	dnajc8	3.482985287	5.191452253	-1.708466966	0.007113
peak_30880	chr6	44537168	44537628	-204116	Intergenic	NM_001256392	pdzrn3b	4.152152513	5.860659523	-1.70850701	0.002545
peak_29002	chr5	36822573	36823167	-4289	Intergenic	NM_001020781	fcho2	4.625443833	6.334081972	-1.708638139	0.001512
peak_36781	chr14	52397051	52397346	137101	intron (NM_001077724, intron 12 of 12)	NM_001077724	zgc:154054	3.877168754	5.585888536	-1.708719782	0.010083
peak_30463	chr7	4050578	4050914	-16985	Intergenic	NM_001025479	si:dkey-88n24.6	3.162011373	4.87075149	-1.708740116	0.002292
peak_19978	chr10	38431905	38432627	-45968	Intergenic	NM_001077461	cuedc1a	5.840309062	7.549128791	-1.708819729	4.07E-05
peak_32735	chr3	13514618	13515136	4150	intron (NM_001018135, intron 1 of 24)	NM_001018135	sun1	4.580098126	6.288961821	-1.708863695	0.004121
peak_23322	chr16	9797124	9797606	-154284	Intergenic	NM_213342	ddc	6.555023609	8.263968861	-1.708945253	0.000192
peak_24399	chr3	3228914	3229619	227585	Intergenic	NM_001098774	zgc:165583	4.770571942	6.479565142	-1.708993199	0.000305
peak_31283	chr2	15615954	15616289	182775	Intergenic	NM_213011	amy2a	4.170582953	5.87967906	-1.709096107	0.002834
peak_29135	chr18	9765607	9766510	-7268	Intergenic	NM_001100024	LOC566572	5.627694885	7.337009812	-1.709314927	0.001577
peak_29000	chr17	44304676	44305027	-8756	Intergenic	NM_131251	otx2	3.842248838	5.551705899	-1.709457061	0.001511
peak_36128	chr21	11207033	11207610	79565	Intergenic	NM_001033747	zgc:109965	4.180387832	5.890150577	-1.709762745	0.008791
peak_22488	chr13	52056668	52057169	34862	intron (NM_001123278, intron 2 of 7)	NM_001123278	wtip	5.419496475	7.129294799	-1.709798324	0.000134
peak_33285	chr1	39987544	39987938	81005	intron (NM_130968, intron 3 of 28)	NM_130968	tenm3	3.676353226	5.38616247	-1.709809244	0.004679
peak_35271	chr21	22610477	22610791	-25145	Intergenic	NM_199635	zbtb16a	2.544684847	4.254549517	-1.70986467	0.00729
peak_26302	chr14	2744993	2745426	5780	intron (NM_001009591, intron 2 of 4)	NM_001009591	pcdh2ab12	4.986132253	6.696136801	-1.710004548	0.00061
peak_22971	chr7	39040115	39041578	-26452	Intergenic	NM_001043333	nkd1	8.276518533	9.986853424	-1.710334891	0.000167
peak_31141	chr13	46527556	46527898	-6873	Intergenic	NM_199514	olig4	4.144641387	5.855002938	-1.71036155	0.002717
peak_25780	chr5	29538051	29538651	-4506	Intergenic	NM_001076718	adam28	6.030649868	7.741048277	-1.710398409	0.00051
peak_28554	chr11	4279095	4279597	-41464	Intergenic	NM_001020570	zgc:110191	4.899439496	6.609997686	-1.710558189	0.001311
peak_19811	chr7	36216465	36217593	-32480	Intergenic	NM_199272	esrp2	6.987182531	8.697866861	-1.71068433	3.68E-05

peak_37210	chr14	51931858	51932193	24015	intron (NM_001017782_1, intron 14 of 17)	NM_001123045	tspan17	3.877168754	5.587893088	-1.710724333	0.011025
peak_25044	chr13	5280493	5281026	-34813	Intergenic	NM_131893	meis1	5.122722652	6.833557633	-1.710834981	0.000393
peak_41900	chr25	8246283	8246659	73	promoter-TSS (NM_212934)	NM_212934	ucmab	3.542799588	5.253725014	-1.710925426	0.024318
peak_26266	chr18	23813902	23814262	-155017	Intergenic	NM_131183	nr2f2	4.034679932	5.7456696	-1.710989668	0.000602
peak_27938	chr6	3919940	3920631	-51951	Intergenic	NM_200247	unc50	5.564359851	7.275406388	-1.711046538	0.001083
peak_34038	chr24	19339889	19340218	-120028	Intergenic	NM_200844	zgc:66014	3.958780025	5.669827863	-1.711047839	0.005565
peak_35449	chr7	24836898	24837117	76030	Intergenic	NM_001003457	zgc:92429	3.275608918	4.98681225	-1.711203331	0.007567
peak_19894	chr6	56325602	56326041	206444	Intergenic	NM_001008576_1	tfap2c	6.246283502	7.95762231	-1.711338808	3.87E-05
peak_24151	chr18	30258338	30258722	-127488	Intergenic	NM_001080807	gse1	4.164465597	5.875852858	-1.711387261	0.000275
peak_31705	chr9	47613654	47614798	2305	intron (NM_131069, intron 1 of 2)	NM_131069	cx43.4	5.907929007	7.619450517	-1.711521511	0.003176
peak_28431	chr17	42016523	42017141	-91064	Intergenic	NM_001098390	zgc:162576	5.459635372	7.171219203	-1.71158383	0.001261
peak_43414	chr5	26468747	26469078	12798	exon (NM_001128530, exon 6 of 22)	NM_001128530	ap1b1	3.700328943	5.411915311	-1.711586368	0.030478
peak_22733	chr9	27100505	27100869	-18870	Intergenic	NM_213216	arglu1a	4.963720362	6.675433268	-1.711712906	0.00015
peak_30610	chr12	38662962	38663320	153314	Intergenic	NM_001080568	hs3st3b1b	3.893534166	5.605317271	-1.711783105	0.002374
peak_21736	chr2	25051776	25052658	-142612	Intergenic	NM_001002303	nceh1a	6.181885134	7.893673221	-1.711788087	9.57E-05
peak_20651	chr24	14047129	14047714	65914	Intergenic	NM_001012259	xkr9	6.391163265	8.103241574	-1.712078308	5.72E-05
peak_30369	chr14	30375783	30376052	-269114	Intergenic	NM_001045414	zgc:153146	3.10167217	4.813899943	-1.712227774	0.002234
peak_22022	chr11	7675640	7676275	-119585	Intergenic	NM_213367	eltd1	5.067253933	6.779621641	-1.712367708	0.00011
peak_18374	chr13	17177256	17179467	334974	intron (NM_001020701, intron 3 of 6)	NM_001020701	c10orf11	7.319715778	9.03224243	-1.712526652	1.68E-05
peak_40034	chr10	35349923	35350471	230033	Intergenic	NM_001114706_1	zgc:174193	4.756765819	6.469301925	-1.712536106	0.018111
peak_34138	chr17	9569576	9570021	225023	Intergenic	NM_213310	egln3	4.712958637	6.425525397	-1.71256676	0.005689
peak_26426	chr7	57490478	57490890	128831	Intergenic	NM_212606	cdh15	4.306002077	6.018607904	-1.712605827	0.000636
peak_24325	chr8	6745840	6746284	-400527	Intergenic	NM_001130781	vsig8b	4.637911999	6.350690541	-1.712778542	0.000296
peak_22268	chr19	48173015	48173949	1318	intron (NM_001012369_1, intron 1 of 9)	NM_001012369_1	ext1b	5.992402332	7.705273429	-1.712871096	0.000123
peak_22285	chr6	4510359	4510934	78446	Intergenic	NM_201285	pou4f1	5.622769162	7.335703332	-1.71293417	0.000124
peak_25504	chr10	956683	957402	-28750	Intergenic	NM_001099984_1	unc5c	5.446527893	7.159540983	-1.71301309	0.000464
peak_21752	chr7	55979038	55979644	-68624	intron (NM_001077575, intron 12 of 12)	NM_001128270	LOC796180	4.939522573	6.652537798	-1.713015225	9.67E-05
peak_38232	chr13	19542396	19542700	174956	Intergenic	NM_131280	emx2	3.79056988	5.503734792	-1.713164913	0.013347
peak_34414	chr14	53254330	53254720	-35946	Intergenic	NM_001020587		2.725478726	4.438724645	-1.713245919	0.006074
peak_22055	chr5	49870905	49871483	-17624	Intergenic	NM_213371	tmem161b	7.132636454	8.84594347	-1.713307017	0.000112
peak_23684	chr12	43373597	43374582	-106242	Intergenic	NM_001020516	dpysl4	6.964258954	8.677603865	-1.713344911	0.000223
peak_22233	chr5	74263633	74264055	323005	Intergenic	NM_001017876_1	fsip1	4.865859134	6.579208884	-1.71334975	0.000121
peak_44024	chr19	2169203	2169520	43980	intron (NM_198819, intron 27 of 28)	NM_001045844	btd	3.620037365	5.333387224	-1.713349858	0.033045
peak_36208	chr6	32856521	32856988	82270	Intergenic	NM_001042687	pomgnt1	4.008884304	5.722346562	-1.713462258	0.00893
peak_31284	chr8	8452994	8453378	-103465	Intergenic	NM_131848	tfe3a	3.641439946	5.35494778	-1.713507834	0.002835
peak_31725	chr13	9507496	9507855	26077	Intergenic	NM_001030064	rnaset2	3.544684847	5.258250205	-1.713565357	0.003196
peak_31205	chr14	44269891	44270289	-139211	Intergenic	NM_001115099	pcdh18b	5.222908844	6.936935011	-1.714026167	0.002764
peak_22366	chr18	8176448	8177016	-100471	Intergenic	NM_001002177	impdh1a	5.370789094	7.085296476	-1.714507382	0.000128
peak_36510	chr7	49621076	49621407	86963	Intergenic	NM_131427	cpeb1b	3.555944961	5.270487825	-1.714542864	0.009569
peak_17911	chr7	53982038	53982993	31043	intron (NM_214816, intron 8 of 12)	NM_214816	tcf12	8.691015887	10.40558608	-1.714570196	1.29E-05
peak_37830	chr6	54348196	54348556	40750	Intergenic	NM_173251	snrpc	3.975729886	5.690367859	-1.714637973	0.012352
peak_27575	chr7	38689934	38690608	-79166	Intergenic	NM_001146014	sall1a	5.77784993	7.49254738	-1.71469745	0.00095
peak_28173	chr6	35209620	35210000	101555	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	3.958780025	5.67351706	-1.714737035	0.001166
peak_31048	chr16	23683198	23683757	-93520	Intergenic	NM_001045163_1	si:ch211-154o6.2	3.953113131	5.667928171	-1.71481504	0.002649
peak_41986	chr6	26520852	26521526	82789	Intergenic	NM_201474	hdlbpa	4.490772278	6.205612835	-1.714840557	0.02461
peak_36004	chr23	10283919	10284754	-10	promoter-TSS (NM_131156)	NM_131156	krt5	5.507869092	7.222813437	-1.714944345	0.008537
peak_26792	chr25	769925	770318	-102089	intron (NM_001098393, intron 2 of 7)	NM_199725_1	twf1a	4.391425188	6.106389718	-1.714964531	0.000726
peak_28420	chr12	40291879	40292370	-59277	Intergenic	NM_001099246	abca5	4.199660318	5.914635849	-1.714975531	0.001257
peak_23560	chr8	45880787	45881591	-17093	Intergenic	NM_183338	piwil1	5.231712381	6.946881832	-1.715169451	0.000212
peak_26351	chr17	28899286	28900022	-28944	Intergenic	NM_001003822	g2e3	3.957365387	5.672540381	-1.715174994	0.000621
peak_28864	chr19	42534394	42535158	-43927	Intergenic	NM_001013293	chrac1	5.667678564	7.383109571	-1.715431008	0.00145
peak_17865	chr16	23641544	23642502	-68031	Intergenic	NM_001256189	mpp6a	7.59022035	9.305730722	-1.715510372	1.25E-05
peak_29751	chr21	33744900	33745214	-35691	intron (NM_203461, intron 13 of 14)	NM_001003871	wdr55	3.447031973	5.162587386	-1.715555413	0.00189
peak_25287	chr20	43313811	43314281	-96796	Intergenic	NM_001044916	unc93a	5.150260336	6.865955295	-1.715694959	0.000431
peak_23773	chr7	23231746	23232471	68634	intron (NM_001166329, intron 1 of 6)	NM_001166329	nlgn2b	5.420010088	7.135831465	-1.715821377	0.000233
peak_26188	chr20	30077902	30078308	-16905	Intergenic	NM_131337	sox11b	4.319278758	6.03511393	-1.715835172	0.000588
peak_20498	chr18	23510044	23511165	148461	Intergenic	NM_131183	nr2f2	6.519926288	8.235997736	-1.716071448	5.29E-05
peak_30227	chr1	22974863	22975452	124676	Intergenic	NM_152975	mab21l2	4.404980039	6.121247544	-1.716267505	0.002157
peak_20595	chr8	29874765	29875516	126409	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	5.572725943	7.289048511	-1.716322568	5.58E-05
peak_26523	chr24	33340524	33340862	38501	Intergenic	NM_001018143	trdmt1	4.584740136	6.301220746	-1.71648061	0.000659
peak_30466	chr1	33414003	33414595	84448	Intergenic	NM_001025302	nsun3	4.800952306	6.517486844	-1.716534538	0.002293
peak_18936	chr6	57718712	57719560	-114032	Intergenic	NM_001076592	zgc:153702	7.458606642	9.175211501	-1.716604859	2.29E-05
peak_33370	chr14	26500238	26500703	-14557	Intergenic	NM_001003758	thoc3	4.709601515	6.426260961	-1.716659446	0.004784
peak_33663	chr17	10915813	10916054	49524	intron (NM_001258228, intron 9 of 10)	NM_001258228	si:ch211-185a18.	3.632603848	5.34928694	-1.716683092	0.005109
peak_35405	chr6	4300411	4300790	-131600	Intergenic	NM_201285	pou4f1	3.355234589	5.071943449	-1.71670886	0.007507
peak_28280	chr3	25421053	25421460	-44643	intron (NM_001114426, intron 4 of 19)	NM_212612	ddx5	4.410220044	6.126937166	-1.716717121	0.001202
peak_24556	chr14	38834485	38835055	627871	Intergenic	NM_001048055	lect2l	5.749043199	7.465818379	-1.71677518	0.000324
peak_18532	chr7	12725236	12726703	158624	Intergenic	NM_001080993	mex3b	8.762181852	10.47896245	-1.716780594	1.81E-05
peak_23882	chr13	52228549	52229603	12270	intron (NM_001045030, intron 5 of 15)	NM_001045030	prtga	6.75515031	8.471945528	-1.716795218	0.000245
peak_22778	chr11	32162175	32162971	-42997	Intergenic	NM_001201559	im:7137555	6.540189545	8.257000814	-1.716811269	0.000153
peak_29105	chr5	75390165	75390991	-26137	Intergenic	NM_001101670	tbx3a	5.24398162	6.960912344	-1.716930724	0.001561
peak_30667	chr7	31697313	31697737	6497	intron (NM_131850, intron 1 of 12)	NM_131850	aldh1a2	4.581988855	6.299062763	-1.717073908	0.002407
peak_34915	chr6	29649679	29650059	74813	intron (NM_199526, intron 5 of 25)	NM_199526	dlg1	4.143470396	5.86058405	-1.717113653	0.006749
peak_28463	chr16	55015243	55015858	18523	intron (NM_001082926, intron 1 of 1)	NM_001082926	si:ch211-107n13.	5.125207821	6.842448324	-1.717240503	0.001274
peak_17788	chr7	41911387	41912286	33653	Intergenic	NR_030097		7.839834907	9.557217752	-1.717382845	1.20E-05
peak_26597	chr14	36912210	36912761	237	5' UTR (NM_001003587, exon 1 of 10)	NM_001003587	glrbb	5.054701687	6.772118725	-1.717417038	0.000675
peak_25106	chr2	20149286	20149962	-91942	Intergenic	NM_001172653	agla	4.993092854	6.710810821	-1.717717968	0.000403
peak_36519	chr2	46498771	46499265	-56279	Intergenic	NM_201020_1	gpc1b	4.033337828	5.751069158	-1.71773133	0.009592
peak_26374	chr18	23831532	23832011	-172706	Intergenic	NM_131183	nr2f2	4.226989601	5.944839531	-1.71784993	0.000627
peak_27783	chr11	8628071	8628474	-20137	Intergenic	NM_001020583	tbl1xr1a	4.447031973	6.165176676	-1.718144703	0.001024
peak_43295	chr10	28476499	28476896	234100	Intergenic	NM_001020542	ints2	2.247969535	3.966170272	-1.718200737	0.029956
peak_43080	chr4	38423515	38423895	-239232	Intergenic	NM_001114900	zgc:174708	2.521897487	4.240470438	-1.718572951	0.028932
peak_28291	chr25	14988050	14988470	32707	intron (NM_200042, intron 4 of 6)	NM_200042	mpped2	5.37873731	7.097489677	-1.718752368	0.001205
peak_21096	chr25	440718	442107	-24173	intron (NM_001077771_1, intron 2 of 2)	NM_183342	prickle1a	7.96250229	9.681441345	-1.718939056	7.01E-05
peak_22137	chr19	37804463	37804977	456667	Intergenic	NM_131814	angpt2b	6.176388249	7.895382961	-1.718994712	0.000116
peak_24185	chr11	27736576	27737409	-101823	Intergenic	NM_001045307	acad9	6.909597158	8.628642208	-1.719045049	0.000279
peak_35597	chr17	11141791	11142280	51336	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	4.160782694	5.879903802	-1.719121108	0.007839
peak_21162	chr24	19345900	19346367	-126108	Intergenic	NM_200844	zgc:66014	5.396131678	7.115529491	-1.719397813	7.27E-05
peak_30371	chr7	42305753	42306119	-51219	Intergenic	NM_199843	shcbp1	4.26992192	5.989328292	-1.719406372	0.002234
peak_42961	chr4	47165820	47166225	412228	Intergenic	NM_001113606	zgc:173720	3.636144784	5.355606328	-1.719461543	0.028436
peak_26572	chr10	41349303	41349925	92164	Intergenic	NM_200744	smfn	4.091390725	5.810900464	-1.719509739	0.000667
peak_28349	chr5	23840540	23840895	-4537	Intergenic	NM_200394	mtmr8	4.390377213	6.110305898	-1.719928685	0.001229
peak_35754	chr23	41463139	41463705	-294012	Intergenic	NM_001139458	si:dkey-194e6.1	4.31265569	6.032693629	-1.720037939	0.008136
peak_31460	chr13	1220071	1220491	-9628	Intergenic	NM_001171592	crfb13	4.122091483	5.842200277	-1.720108794	0.002962
peak_22641	chr5	23874783	23875550	-9009	Intergenic	NM_199642	zc4h2	5.127133121	6.84726021	-1.720127089	0.000144
peak_34382	chr25	23362271	23362671	1	promoter-TSS (NM_001013523)	NM_001013523	islr2	3.941628654	5.661758344	-1.72012969	0.006021
peak_31548	chr8	3005186	3005717	13564	intron (NM_001045162, intron 1 of 14)	NM_001045162	crb2b	4.699433654	6.419808897	-1.720375243	0.003037
peak_22901	chr6	44289102	44289635	43914	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	5.589770563	7.310235983	-1.72046542	0.000162
peak_33714	chr20	20135183	20135660	119610	intron (NM_001276280, intron 8 of 11)	NM_001276280	kcnh5a	4.350994206	6.071558733	-1.720564526	0.005167
peak_24104	chr5	74409145	74409974	425259	Intergenic	NM_001003993	ak1	5.467110104	7.187732529	-1.720622425	0.000269
peak_31546	chr1	17713755	17714155	6310	intron (NM_001145577, intron 1 of 21)	NM_001145577	limch1a	4.185230144	5.905869258	-1.720639114	0.003035
peak_22406	chr7	53103794	53104192	-64	promoter-TSS (NM_001114891)	NM_001114891	cited1	5.101031722	6.821782465	-1.720750744	0.00013
peak_32958	chr6	56166745	56167076	47533	Intergenic	NM_001008576_1	tfap2c	3.738714804	5.459490308	-1.720775504	0.004361
peak_26190	chr15	35551113	35551511	126478	Intergenic	NM_183070	sst1.1	4.42564779	6.146484108	-1.720836318	0.000588
peak_19497	chr16	35698374	35699177	-208002	Intergenic	NM_131161	pou3f1	5.827954283	7.54893107	-1.720976787	3.08E-05

peak_23758	chr17	10657424	10657826	41660	Intergenic	NM_214693	lgals3l	5.199660318	6.920737396	-1.721077078	0.000232
peak_28381	chr5	36513931	36514454	-86024	Intergenic	NM_213129	ankra2	3.542799588	5.26399057	-1.721190982	0.00124
peak_23491	chr10	33957982	33958458	-112812	Intergenic	NM_001045333	kctd7	4.595693089	6.31697165	-1.721278561	0.000206
peak_43894	chr16	7399817	7400166	58788	Intergenic	NM_131059	ctnnb1	3.742100794	5.463408795	-1.721308001	0.032544
peak_28769	chr7	14755493	14756019	1705	intron (NM_200705, intron 2 of 7)	NM_200705	rlbp1a	4.719649537	6.440990146	-1.72134061	0.001404
peak_29434	chr9	32281419	32281904	29695	intron (NM_001037416, intron 4 of 7)	NM_205727	zic5	4.411253709	6.132727821	-1.721474111	0.001722
peak_24275	chr20	1692417	1692873	-76378	Intergenic	NM_001278799	lama2	4.47701655	6.198509359	-1.72149281	0.00029
peak_27107	chr18	34305033	34305634	100605	Intergenic	NM_001045352	exosc5	5.976058825	7.697564737	-1.721505912	0.000807
peak_25003	chr10	20494712	20495234	31781	intron (NM_001099244, intron 2 of 12)	NM_001099244	loxl2a	4.902426009	6.624190854	-1.721764846	0.000388
peak_25629	chr7	70510856	70511280	-79973	Intergenic	NM_199682	ap1g1	4.22346309	5.945384171	-1.721921081	0.000485
peak_29522	chr8	31015518	31015926	-155	promoter-TSS (NR_030033)	NR_030033		3.915640605	5.6375733	-1.721932694	0.001769
peak_35475	chr25	2465022	2465641	-40453	Intergenic	NM_001034973		4.982700169	6.704923301	-1.722223133	0.007612
peak_32217	chr6	1853805	1854156	-11225	Intergenic	NM_001004109	quo	3.696843362	5.419102586	-1.722259224	0.003606
peak_27207	chr13	42777005	42777707	-193	promoter-TSS (NM_001004568)	NM_001004568	cdc42ep3	6.545169512	8.267463131	-1.722293619	0.000834
peak_20634	chr5	16945997	16946603	38964	intron (NM_001013508, intron 5 of 6)	NM_183339	tbx1	6.144677645	7.867063402	-1.722385756	5.68E-05
peak_24495	chr10	12435589	12436039	-300587	Intergenic	NM_001004502	lpar1	4.423600265	6.146022145	-1.72242188	0.000315
peak_23943	chr9	40952575	40953172	-76687	Intergenic	NM_001161762_1	si:zfos-1425h8.1	4.569951633	6.292670694	-1.722719061	0.000251
peak_41330	chr24	17001624	17001884	-94357	Intergenic	NM_001271670	sema5a	2.342286181	4.06504983	-1.722763649	0.022398
peak_19103	chr18	5047890	5048766	31807	Intergenic	NM_001089472_1	ulk3	7.619089898	9.341949039	-1.722859141	2.51E-05
peak_25401	chr23	38427286	38427946	174676	Intergenic	NM_001020707	zgc:112994	5.199660318	6.922591725	-1.722931407	0.000449
peak_27786	chr17	34178517	34179089	-26585	Intergenic	NM_001177444	gphna	4.304890152	6.027827017	-1.722936865	0.001026
peak_22831	chr2	41910019	41910544	51877	Intergenic	NM_182864	keap1a	6.770998119	8.493992582	-1.722994464	0.000156
peak_23349	chr21	9267614	9268309	-7400	intron (NM_001080201, intron 1 of 5)	NM_001077300	cplx4a	6.852570034	8.57562172	-1.723051686	0.000194
peak_20803	chr9	53766272	53767477	174737	Intergenic	NM_001030165	Mar-04	7.480851445	9.203968107	-1.723116662	6.12E-05
peak_32698	chr15	12859170	12859555	-57189	Intergenic	NM_001077629	scn2b	4.406077963	6.129360985	-1.723283023	0.004086
peak_31471	chr10	34172935	34173197	46413	Intergenic	NM_001017871	myl10	3.644959288	5.368419351	-1.723460063	0.002972
peak_36476	chr5	46028940	46029368	63817	Intergenic	NM_001122786	tars	4.321543857	6.045128108	-1.72358425	0.009498
peak_26756	chr5	42391699	42392546	-32965	Intergenic	NM_130962	isl1	5.974990219	7.698743846	-1.723753627	0.000717
peak_40269	chr12	39396371	39396615	-558978	Intergenic	NM_001040355	pmp22b	3.124540972	4.848453316	-1.723912344	0.01884
peak_26334	chr5	30726811	30727196	63939	Intergenic	NM_001030100	noxa1	3.809602052	5.533517409	-1.723915357	0.000618
peak_21684	chr13	17141858	17142610	371101	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	6.008582688	7.732532614	-1.723949927	9.32E-05
peak_28335	chr21	12797873	12798325	96117	Intergenic	NM_001172564	ehmt1b	4.417440195	6.141469518	-1.724029323	0.001225
peak_22246	chr18	40817306	40817773	-17568	Intergenic	NM_199804	cntn5	5.523754484	7.247998993	-1.724244509	0.000121
peak_28609	chr9	49552596	49552994	150323	intron (NM_001194987, intron 37 of 80)	NM_001194987	lrp2a	3.764922485	5.48925256	-1.724330075	0.001336
peak_25033	chr7	69340274	69341167	-142708	Intergenic	NM_001002386	kars	5.597991006	7.322370342	-1.724379336	0.000392
peak_25053	chr17	25690683	25691033	15221	intron (NM_001080656, intron 9 of 13)	NM_001080656	acss1	4.552201346	6.276701046	-1.7244997	0.000395
peak_27598	chr19	24603652	24604007	7258	Intergenic	NM_200365	zgc:64022	4.226989601	5.951569853	-1.724580253	0.000958
peak_41259	chr20	47600926	47601285	-11709	Intergenic	NM_199709	dtnba	1.224639552	2.949244426	-1.724604875	0.022208
peak_42394	chr5	36674783	36675541	59501	Intergenic	NM_212913	foxd1l	4.596602092	6.321386835	-1.724784743	0.02601
peak_28921	chr17	42388167	42388518	5950	Intergenic	NM_130949	foxa2	4.672909731	6.397787199	-1.724877468	0.001478
peak_35419	chr18	48184217	48184841	84678	Intergenic	NM_001007334	yif1b	3.544684847	5.269564977	-1.72488013	0.007531
peak_20551	chr7	45700524	45701469	-8174	Intergenic	NM_001017669	dync1li2	8.40980583	10.13504102	-1.725235194	5.45E-05
peak_19210	chr23	35022344	35023122	175381	Intergenic	NM_212746	klf15	6.448794869	8.174072642	-1.725277773	2.65E-05
peak_29069	chr7	37112390	37112747	52375	Intergenic	NM_001045227	irx5a	3.636144784	5.361639245	-1.72549446	0.001544
peak_31741	chr2	59020540	59020968	33392	intron (NM_214812, intron 7 of 18)	NM_214812	epb41l3b	4.069219889	5.794869847	-1.725649958	0.003214
peak_23198	chr23	39826960	39827525	69968	Intergenic	NM_212922	otud3	5.211610793	6.937327463	-1.72571667	0.000183
peak_21343	chr21	23946797	23947370	-133921	Intergenic	NM_001004630	sc5d	7.072182872	8.798454651	-1.726271779	7.90E-05
peak_22698	chr6	20602222	20603028	-297596	Intergenic	NM_178131	scinla	6.810984803	8.537421753	-1.72643695	0.000148
peak_20169	chr12	38515935	38516658	6469	intron (NM_001080568, intron 1 of 1)	NM_001080568	hs3st3b1b	6.458092002	8.184932533	-1.726840531	4.52E-05
peak_26817	chr11	39445965	39446825	-105469	Intergenic	NR_034195		4.916368853	6.643212885	-1.726844032	0.000733
peak_19400	chr8	3122466	3123381	-129067	Intergenic	NM_001040010	lhx2b	8.010615264	9.737512292	-1.726897028	2.93E-05
peak_26959	chr15	18980568	18981342	29225	Intergenic	NM_001017764	zgc:112083	4.913453654	6.640489066	-1.727035412	0.000767
peak_26477	chr14	1942998	1943700	-156127	Intergenic	NM_001024200_1	pcdh2g28	4.974290977	6.701528266	-1.727237289	0.000646
peak_23076	chr8	13054053	13054645	-104132	Intergenic	NM_001128381	traf1	4.829114934	6.556533705	-1.727418771	0.000174
peak_28486	chr23	42861719	42862378	90	promoter-TSS (NM_001077458)	NM_001077458	cyp2aa2	5.15524065	6.882845427	-1.727604777	0.001283
peak_29010	chr18	13485326	13485573	375422	Intergenic	NM_001089503	mlycd	3.889089251	5.616741199	-1.727651948	0.001514
peak_38892	chr10	7437960	7438353	13032	Intergenic	NM_001002346	hvcn1	3.826837893	5.554634821	-1.727796928	0.014966
peak_23163	chr5	27508151	27509321	98665	Intergenic	NM_001099449	tmem2	4.795374608	6.523362389	-1.727987781	0.000181
peak_37804	chr17	35638757	35639116	-110473	Intergenic	NM_001025556	rsad2	3.519870379	5.247879763	-1.728009384	0.012288
peak_21515	chr18	2254658	2255741	-80487	Intergenic	NM_207073	relt	6.42564779	8.153850701	-1.72820291	8.59E-05
peak_41612	chr13	50157151	50157520	-9506	Intergenic	NM_001030104	tsnax	3.82373585	5.551978383	-1.728242532	0.023349
peak_23385	chr6	56424372	56425207	305412	Intergenic	NM_001008576_1	tfap2c	5.960878792	7.689185464	-1.728306671	0.000197
peak_20521	chr13	44207544	44208060	21178	intron (NM_001114316, intron 1 of 22)	NM_001114316	ablim1a	5.739150494	7.467533391	-1.728382897	5.35E-05
peak_27246	chr4	27625602	27625923	38211	Intergenic	NM_001020599	trmu	4.599325672	6.327714147	-1.728388476	0.000846
peak_30489	chr6	58410725	58410993	-14520	Intergenic	NM_001013289	arfrp1	3.447031973	5.175440144	-1.728408171	0.002305
peak_34696	chr2	47284715	47285159	237686	Intergenic	NM_001145932	acsl3b	3.603853576	5.33232796	-1.728474384	0.00643
peak_31056	chr14	7797889	7798415	27726	intron (NM_001017856_1, intron 1 of 12)	NM_001017856_1	ppp3cb	5.002765615	6.731266746	-1.728501131	0.002655
peak_18252	chr19	22161093	22162001	37343	Intergenic	NM_001159669	LOC100003866	7.305012968	9.033580859	-1.728567891	1.57E-05
peak_22604	chr21	3569918	3570526	119147	Intergenic	NM_175082	smad7	5.370789094	7.099364302	-1.728575209	0.000142
peak_30725	chr1	39960354	39960661	53771	exon (NM_130968, exon 2 of 29)	NM_130968	tenm3	3.234016866	4.962708587	-1.728691721	0.002442
peak_24183	chr18	22716082	22716469	-58549	intron (NM_200787, intron 4 of 7)	NM_199209	cbfb	4.422575411	6.151451585	-1.728876173	0.000279
peak_24312	chr14	11948049	11948671	-242386	Intergenic	NM_001105590	zgc:174917	4.826017789	6.554900572	-1.728882783	0.000294
peak_25730	chr10	45377644	45378461	78766	Intergenic	NM_200592	nr2f1b	5.155821507	6.88479361	-1.728972102	0.000502
peak_25072	chr5	31643727	31644256	6739	Intergenic	NR_030068		4.936653833	6.665828628	-1.729174795	0.000398
peak_34115	chr1	9579735	9580089	25090	intron (NM_152956, intron 2 of 12)	NM_152956	dachb	3.958780025	5.688185748	-1.729405723	0.005665
peak_35284	chr11	45101343	45101795	-48129	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	3.6900456	5.41949157	-1.729445969	0.007306
peak_19499	chr25	38220604	38222048	-2427	Intergenic	NM_001200021	LOC570474	6.648276466	8.377797695	-1.729521229	3.09E-05
peak_41217	chr7	57258448	57258704	-103277	Intergenic	NM_212606	cdh15	2.871171366	4.600745228	-1.729573862	0.022075
peak_29291	chr24	38814940	38815222	24106	3' UTR (NM_205699, exon 14 of 15)	NM_205699	pdpk1b	3.340116769	5.070118533	-1.730001764	0.001659
peak_26256	chr20	30456012	30456532	51506	Intergenic	NM_001002659	rnaseh1	5.055363031	6.785379901	-1.73001687	0.0006
peak_20588	chr8	3170871	3171553	-80778	Intergenic	NM_001040010	lhx2b	6.219025577	7.949056008	-1.730030431	5.56E-05
peak_19472	chr15	46365998	46366841	41090	intron (NM_205646, intron 3 of 6)	NM_001039832_1	lsamp	6.404231768	8.134370218	-1.73013845	3.04E-05
peak_26339	chr2	46841779	46842448	-399374	Intergenic	NM_201020_1	gpc1b	4.696892816	6.427099018	-1.730206202	0.000619
peak_35335	chr6	5359862	5360360	805563	Intergenic	NM_001201446	rtn4a	4.665131683	6.395435418	-1.730303735	0.007374
peak_26580	chr14	33549697	33550176	-69385	Intergenic	NM_001039135	inppl1b	4.665081128	6.395387448	-1.73030632	0.000669
peak_29940	chr10	28220537	28220918	489114	Intergenic	NM_152948	cxadr	3.636144784	5.366762115	-1.730617331	0.001988
peak_23330	chr10	40732234	40733086	-47407	Intergenic	NM_001037674	smtlb	6.12648552	7.85718667	-1.73070115	0.000193
peak_36276	chr6	43959157	43960073	15996	intron (NM_001012373, intron 2 of 5)	NM_001012373	rybpb	5.14960497	6.880405605	-1.730800635	0.009082
peak_36721	chr7	51946769	51947076	-79443	Intergenic	NM_001127470	hypk	3.625495796	5.356435614	-1.730939818	0.009962
peak_32658	chr12	50117713	50118360	10273	intron (NM_001015064_1, intron 1 of 1)	NM_001015064_1	ctbp2l	4.310441227	6.041387404	-1.730946177	0.004031
peak_18039	chr12	44170153	44171931	111596	intron (NM_001080602, intron 10 of 15)	NM_001080602	ebf3	8.760444393	10.49144697	-1.73100258	1.39E-05
peak_17561	chr19	31877908	31879701	-209	promoter-TSS (NM_001003606)	NM_001003606	fam49a	8.815090948	10.54614519	-1.731054244	1.02E-05
peak_23562	chr23	43375368	43376129	191486	Intergenic	NM_001006027	myl9a	4.938805923	6.669866045	-1.731060122	0.000212
peak_32420	chr5	58250683	58251099	83040	Intergenic	NM_001007340	ppm1db	4.057383766	5.788468747	-1.731084981	0.003806
peak_29118	chr5	70937446	70937804	-2372	Intergenic	NM_001002099	slc25a11	3.457076769	5.188167907	-1.731091138	0.001569
peak_24772	chr7	17636116	17636524	166926	Intergenic	NM_131158	dbx1a	4.157090365	5.888500185	-1.73140982	0.000356
peak_21223	chr16	35245623	35246256	-64352	intron (NM_001077338, intron 1 of 14)	NM_001002212	prss35	6.234325964	7.965744099	-1.731418135	7.46E-05
peak_39956	chr7	66441290	66441740	110976	Intergenic	NM_001077722	tpcn2	4.544684847	6.276260922	-1.731576074	0.01791
peak_28962	chr5	29181832	29182399	12047	intron (NM_205585, intron 2 of 2)	NM_205585	sfrp1a	4.526618979	6.25822623	-1.73160725	0.001494
peak_18715	chr12	9733169	9733789	-20922	Intergenic	NM_131146	cyp26a1	6.502530137	8.234349014	-1.731818878	2.01E-05
peak_21622	chr17	41962105	41962629	-145529	Intergenic	NM_001098390	zgc:162576	6.245993855	7.977844281	-1.731850426	9.09E-05
peak_28940	chr8	10270606	10271048	26690	intron (NM_001123320, intron 14 of 27)	NM_001123320	gripap1	4.458077413	6.190002955	-1.731925542	0.001485
peak_31089	chr2	52107721	52108006	-200742	Intergenic	NM_001122704	si:ch73-52e5.1	3.226989601	4.959007157	-1.732017556	0.002678
peak_26882	chr18	23258514	23259252	284302	Intergenic	NM_131301	mef2aa	5.207451528	6.939470968	-1.73201944	0.000748
peak_21782	chr16	17442580	17443346	-50431	Intergenic	NM_001020534	mrpl13	6.456355044	8.188514254	-1.732159211	9.81E-05

peak_33375	chr24	32838979	32839546	247651	Intergenic	NM_001002229	snx7	4.934498529	6.666737343	-1.732238814	0.00479
peak_33265	chr15	47193397	47193867	39803	Intergenic	NR_030402		4.598471329	6.331073786	-1.732602458	0.004663
peak_30021	chr23	30589213	30590161	302259	Intergenic	NM_212848	uts2a	5.278410985	7.011031323	-1.732620338	0.002036
peak_28614	chr17	24348184	24348743	1076	intron (NM_001077601, intron 1 of 6)	NM_001077601	peli1b	5.489822607	7.2224735	-1.732650894	0.001337
peak_38521	chr2	42844808	42845309	-3466	intron (NM_001202454, intron 1 of 1)	NM_001002469		4.580151749	6.312871946	-1.732720198	0.014045
peak_21197	chr7	73359070	73360217	469568	Intergenic	NM_001020693_1	gba3	6.385110543	8.118007518	-1.732896975	7.41E-05
peak_21235	chr1	20532672	20533781	-27562	Intergenic	NM_131638	pax5	7.822816879	9.555796572	-1.732979693	7.51E-05
peak_28476	chr22	30130461	30130965	-131	promoter-TSS (NM_199859)	NM_199859	abi3bp	4.153388562	5.886373336	-1.732984774	0.001278
peak_20647	chr13	50367633	50368179	55014	Intergenic	NM_199981	irf2bp2a	5.144677645	6.877706615	-1.733028969	5.72E-05
peak_24292	chr8	12814817	12815441	105480	Intergenic	NM_001128526	phf13	4.83374822	6.56696791	-1.73321969	0.000292
peak_22969	chr17	4676610	4677128	-152080	Intergenic	NM_201084	cdc5l	4.793790223	6.527238656	-1.733448434	0.000167
peak_27845	chr8	34017304	34017775	-14820	Intergenic	NM_001122711	LOC100004439	4.59113946	6.32462621	-1.733486751	0.001046
peak_22141	chr1	47964157	47964713	7572	intron (NM_001017860, intron 2 of 10)	NM_001017860	fstl1a	6.678917946	8.412447864	-1.733529917	0.000116
peak_24266	chr20	27190564	27191391	-8875	Intergenic	NM_001025551	btbd7	5.792997377	7.526585622	-1.733588245	0.00029
peak_28073	chr5	52125289	52125832	-304013	Intergenic	NM_200418	fam172a	5.095217337	6.828866045	-1.733648708	0.001128
peak_29153	chr22	38897374	38898109	506096	Intergenic	NM_001113587	hykk.2	6.541856033	8.275939206	-1.734083173	0.001586
peak_31286	chr4	16275248	16275470	-37830	Intergenic	NM_001099454	casc1	5.438945476	5.173308825	-1.734363349	0.002835
peak_29398	chr23	10234959	10235847	-18028	Intergenic	NM_001111167	zgc:171775	5.388248352	7.122981552	-1.7347332	0.001706
peak_26135	chr17	40610060	40610671	427800	Intergenic	NM_001013292	supt7l	4.592051336	6.32692549	-1.734874154	0.000577
peak_18807	chr23	23916723	23917744	137233	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	6.69177286	8.426740224	-1.734967364	2.13E-05
peak_28186	chr15	38258113	38258604	-44705	Intergenic	NM_131633	robo2	4.710392536	6.445557421	-1.735164885	0.001172
peak_24889	chr5	27402655	27403130	-7179	Intergenic	NM_001099449	tmem2	4.841482188	6.576649121	-1.735166934	0.000372
peak_33633	chr19	103008	103811	52866	Intergenic	NM_001045306	dnajc8	5.526591155	7.26177262	-1.735181465	0.005068
peak_27356	chr8	16536471	16536813	-6180	intron (NM_001244600, intron 1 of 7)	NM_001244601	elavl4	4.27219941	6.00742676	-1.735227349	0.000878
peak_26922	chr4	4158329	4158774	12874	intron (NM_001110392, intron 1 of 11)	NM_001110392	ano2	4.259561525	5.994797104	-1.73523558	0.00076
peak_22925	chr13	5557624	5558142	56203	intron (NM_213234, intron 4 of 7)	NM_213234	spred2b	5.225815055	6.961297315	-1.735482261	0.000163
peak_25260	chr11	42870113	42870536	-73711	Intergenic	NM_001002369	akr7a3	4.421549829	6.157033186	-1.735483357	0.000426
peak_25966	chr7	52947952	52948545	-59210	Intergenic	NM_001044906	zgc:136763	5.47803224	7.213694055	-1.735661815	0.000542
peak_37340	chr5	60802742	60803135	7188	intron (NM_001020466, intron 4 of 16)	NM_001020466	nup88	3.088808875	4.824589228	-1.735780353	0.011297
peak_24519	chr5	26010392	26011242	-8198	Intergenic	NM_131822	znf703	6.308794326	8.044691381	-1.735897056	0.00032
peak_30934	chr5	12963308	12963864	30714	intron (NM_001114578, intron 8 of 10)	NM_001114578	fbxw8	3.842248838	5.57817403	-1.735925192	0.002576
peak_30213	chr4	21562309	21562576	44535	Intergenic	NM_001002363	cd36	3.723815645	5.459765444	-1.735949799	0.002151
peak_42935	chr5	19033636	19034099	-522136	Intergenic	NM_001004640	atad1a	3.999292718	5.735302485	-1.736009767	0.0283
peak_26446	chr16	1576599	1577028	-46795	Intergenic	NM_178222	sim1a	3.849893014	5.58629428	-1.736401266	0.00064
peak_27578	chr7	63801568	63802277	910689	Intergenic	NM_200491	tbc1d19	5.709156807	7.445602116	-1.736445308	0.00095
peak_43708	chr3	6832389	6832723	110711	Intergenic	NM_001003625_1	nup85	2.116958245	3.853497804	-1.736539559	0.031789
peak_22275	chr17	16403518	16404112	-2609	Intergenic	NM_001045263	foxn3	5.129019202	6.865656495	-1.736637294	0.000123
peak_30589	chr14	29944568	29944912	-358380	Intergenic	NM_001039064	insb	3.814298329	5.550980373	-1.736682045	0.00236
peak_24605	chr4	1271060	1271563	8957	intron (NM_001003981, intron 1 of 4)	NM_001003981	ptn	5.704080267	7.440777087	-1.736696819	0.00033
peak_20909	chr14	29433624	29434238	18890	Intergenic	NM_001017548	zgc:113355	6.345804532	8.082673113	-1.73686858	6.43E-05
peak_32753	chr9	56120575	56121051	-77365	Intergenic	NM_001130697	tmsb4x	4.390377213	6.12727247	-1.736895257	0.00413
peak_29956	chr7	47867934	47868367	238557	Intergenic	NM_130995	ccne1	4.304890152	6.041799586	-1.736909433	0.002001
peak_31914	chr12	8591246	8591736	141897	Intergenic	NM_001114592	tmem26b	3.855979326	5.592987342	-1.737008016	0.003358
peak_33427	chr16	10262110	10262407	-298429	Intergenic	NM_001289913	cobl	3.917096733	5.654173548	-1.737076815	0.004846
peak_21655	chr9	24250093	24250798	96	promoter-TSS (NM_001123275)	NM_001123275	kif5c	6.60023239	8.337375532	-1.737143142	9.23E-05
peak_26977	chr10	952853	953519	-32606	Intergenic	NM_001099984_1	unc5c	5.392472402	7.129662712	-1.737190309	0.000774
peak_31512	chr20	1722449	1723041	-46278	Intergenic	NM_001278799	lama2	4.459135677	6.196331162	-1.737195484	0.003008
peak_24005	chr16	450462	451468	-52191	Intergenic	NM_131755	slc6a3	6.240753282	7.977971224	-1.737217942	0.000257
peak_43535	chr24	8475099	8475387	55371	Intergenic	NM_176859	tfap2a	3.188780911	4.926262999	-1.737482087	0.030925
peak_28220	chr11	45386519	45387451	-8176	intron (NM_001015069_1, intron 3 of 3)	NM_200647	mfn1b	5.179139309	6.916635622	-1.737496313	0.00118
peak_23939	chr16	9642952	9643307	-48	promoter-TSS (NM_213342)	NM_213342	ddc	4.394564553	6.132081389	-1.737516836	0.00025
peak_20977	chr3	8485691	8487196	-8612	Intergenic	NM_001020730	zgc:109949	7.467599799	9.205123201	-1.737523403	6.63E-05
peak_20057	chr5	7499465	7500305	-128724	Intergenic	NM_001018130	crybb3	6.605235529	8.342785338	-1.737549809	4.27E-05
peak_32995	chr9	47117858	47118111	23062	intron (NM_001039358, intron 1 of 24)	NM_001039358	hdac4	3.73706692	5.474645092	-1.737578173	0.004393
peak_25557	chr17	53451851	53452352	19537	Intergenic	NM_131896_1	meis2a	5.130902821	6.868507958	-1.737605138	0.000473
peak_29775	chr1	11573770	11574043	1243	5' UTR (NM_001002459, exon 2 of 4)	NM_001002459	cplx2l	3.222285668	4.959997564	-1.737711896	0.001904
peak_22216	chr11	39644762	39645900	-23950	Intergenic	NM_200531	mfsd4a	5.371320339	7.109292087	-1.737971748	0.00012
peak_20827	chr23	876659	877349	65943	Intergenic	NM_213350	rhoac	6.250332464	7.98832421	-1.737991747	6.19E-05
peak_26909	chr14	583003	583414	-7614	intron (NM_212882, intron 8 of 12)	NM_001089522	nudt6	4.163239007	5.901240028	-1.738001021	0.000758
peak_24600	chr6	11217230	11217831	56540	Intergenic	NM_001083031	atg9a	6.093949186	7.831960401	-1.738011215	0.000329
peak_29239	chr16	25001711	25002182	-44292	Intergenic	NM_001003997	flad1	4.271061115	6.00907516	-1.738014045	0.001631
peak_30659	chr23	29143481	29143780	-92258	Intergenic	NM_001002631	dffa	3.776199364	5.51433942	-1.738140057	0.002404
peak_23620	chr24	28709006	28709565	40151	intron (NM_001080203, intron 1 of 1)	NM_001080203	hs6st1b	5.851819955	7.590226837	-1.738406881	0.000217
peak_33339	chr5	45112839	45113211	23899	intron (NM_001099974, intron 6 of 9)	NM_001099974	rhobtb2a	3.822091642	5.560579846	-1.738488204	0.00475
peak_23408	chr5	69674976	69675456	70031	Intergenic	NM_001013309	htatip	5.803687165	7.54222156	-1.738534395	0.000199
peak_22677	chr19	20575380	20575965	13111	intron (NM_001044777, intron 2 of 12)	NM_001044777	mpp6b	5.745745195	7.484366307	-1.738621113	0.000147
peak_25434	chr24	6513942	6514373	-55080	Intergenic	NM_131774	anxa13	4.281273587	6.019895437	-1.73862185	0.000453
peak_25955	chr15	26751980	26752428	15761	intron (NM_130914, intron 5 of 8)	NM_130914	tbx4	4.914183006	6.652828792	-1.738645786	0.000541
peak_35942	chr7	44678059	44678543	-31785	Intergenic	NM_213493	dnaja2	4.772228956	6.510969704	-1.738740748	0.008434
peak_19178	chr7	19768547	19770884	46195	Intergenic	NM_001127308	dtx1	8.502294704	10.24118201	-1.738887301	2.61E-05
peak_30575	chr6	56927591	56928141	498673	Intergenic	NM_001002869	ddx27	4.452063113	6.191042876	-1.738979763	0.002354
peak_23931	chr7	70008088	70008762	-169922	Intergenic	NM_205546	hnf4b	5.298167948	7.037291213	-1.739123265	0.00025
peak_31550	chr17	53500434	53500817	51772	intron (NM_001076722, intron 10 of 10)	NM_001076722	zgc:154061	3.993783045	5.732949171	-1.739166126	0.003041
peak_24242	chr20	24026926	24027634	84415	Intergenic	NM_212819	cx52.6	4.751061931	6.49033092	-1.739268989	0.000287
peak_28485	chr24	39419604	39419928	-38766	Intergenic	NM_001163897	tmem204	3.681503107	5.420888483	-1.739385376	0.001282
peak_36952	chr22	38798224	38798466	406700	Intergenic	NM_001113587	hykk.2	2.797003394	4.536404324	-1.739400931	0.010461
peak_39777	chr12	28345519	28345970	77013	exon (NM_131709, exon 2 of 8)	NM_131709	zeb1b	3.730456497	5.470033465	-1.739576968	0.017334
peak_31014	chr16	4485513	4485837	-156590	Intergenic	NM_001110349	vegfaa	4.446023636	6.185603216	-1.73957958	0.002624
peak_26906	chr22	41856106	41856730	8410	Intergenic	NM_001045212	si:ch211-262h13.	4.748610487	6.488263861	-1.739653374	0.000756
peak_24799	chr15	37119449	37120081	200158	Intergenic	NM_001044799	stim1a	5.208046443	6.947731904	-1.739685461	0.000359
peak_20221	chr13	18490977	18492100	-28981	Intergenic	NM_001123010	stox1	7.700895253	9.440857733	-1.73996248	4.64E-05
peak_28728	chr17	11601461	11601877	-298469	intron (NM_001037400, intron 9 of 11)	NM_001030187	psma3	4.520884289	6.261006007	-1.740121717	0.001379
peak_37846	chr7	21805057	21805627	2564	intron (NM_001008598, intron 1 of 5)	NM_001008598	sat2a	2.947423891	4.687589765	-1.740165875	0.012399
peak_20282	chr2	762407	763112	107635	Intergenic	NM_131728	foxc1a	5.352039769	7.092220841	-1.740181071	4.78E-05
peak_39272	chr22	15164616	15164918	183546	Intergenic	NM_001024811	gtpbp1l	3.075829856	4.816035857	-1.740206001	0.016016
peak_27431	chr6	26552469	26552947	51270	Intergenic	NM_201474	hdlbpa	4.293658114	6.033864497	-1.740206383	0.000902
peak_21678	chr17	8894306	8895236	-72986	Intergenic	NM_001077768	zranb1b	5.662044864	7.402377946	-1.740333082	9.31E-05
peak_42355	chr2	4715109	4715884	41229	Intergenic	NM_001009917	tfr1a	2.329220506	4.069615301	-1.740394795	0.025859
peak_19027	chr18	17519150	17520456	74087	intron (NM_001080030, intron 3 of 7)	NM_001080030	si:ch211-216l23.:	6.851797746	8.592228433	-1.740430687	2.42E-05
peak_27328	chr16	49301948	49302408	31982	Intergenic	NM_001003557	bola1	4.648470066	6.388914708	-1.740444642	0.000869
peak_41419	chr10	39530622	39530930	79074	Intergenic	NM_001001886	usp25	3.408090078	5.148537244	-1.740447166	0.02267
peak_33132	chr5	23143627	23144140	72328	Intergenic	NM_001114691	sh2d1aa	4.656338216	6.396830519	-1.740492302	0.004539
peak_25402	chr7	44779410	44779975	-18881	Intergenic	NM_131214	cdh11	5.28916694	7.029666527	-1.740499587	0.000449
peak_21352	chr23	13882322	13882810	69828	Intergenic	NM_213334	naa10	5.757196092	7.497725721	-1.740529629	7.95E-05
peak_42343	chr1	39939908	39940516	33476	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	4.251504061	5.992243324	-1.740739263	0.025798
peak_23703	chr13	38784192	38785020	161147	Intergenic	NR_120381		5.609744952	7.35050616	-1.740761208	0.000226
peak_30112	chr3	23667969	23668404	85009	Intergenic	NM_205716	casc3	4.280142431	6.021085951	-1.74094352	0.002087
peak_21189	chr2	4171750	4172608	-18154	Intergenic	NM_194424	egfra	6.419995109	8.160958593	-1.740963484	7.39E-05
peak_27588	chr17	29848655	29848905	87666	Intergenic	NM_212954	esrrga	3.401863281	5.142997024	-1.741133743	0.000954
peak_25672	chr2	29872513	29872904	-22430	Intergenic	NM_001007065	trpa1a	4.642320587	6.383459477	-1.74113889	0.00049
peak_21656	chr19	48830964	48831522	31440	intron (NM_131813, intron 1 of 8)	NM_131813	angpt1	6.587257542	8.328493017	-1.741235475	9.24E-05
peak_26228	chr17	35979941	35980312	78609	Intergenic	NM_131336	sox11a	4.772986383	6.514274584	-1.741288201	0.000595
peak_25021	chr7	54008754	54009286	4538	intron (NM_214816, intron 1 of 12)	NM_214816	tcf12	5.859435811	7.601023451	-1.74158764	0.000391
peak_32788	chr10	18830343	18830805	-78502	Intergenic	NM_199776	ppp2r2d	2.822091642	4.563721313	-1.741629671	0.004162
peak_31943	chr17	2038376	2038834	-59445	Intergenic	NM_001163923	ccbe1	3.607465695	5.349097672	-1.741631977	0.003378

peak_26889	chr16	43201696	43202137	-24739	intron (NM_001109715, intron 9 of 10)	NM_001080036	tp53inp1	4.478003463	6.219778157	-1.741774694	0.00075
peak_33284	chr9	36785458	36785809	-99048	Intergenic	NM_001105104	zp2l1	2.64320069	4.385235744	-1.742035054	0.004678
peak_22153	chr3	63258438	63258833	-74183	Intergenic	NM_131644	sox9b	4.728799148	6.471185614	-1.742386467	0.000117
peak_25321	chr23	3175538	3175965	247804	Intergenic	NM_131015	mafba	4.808033224	6.550539511	-1.742506287	0.000436
peak_23217	chr7	42510004	42510429	-255499	Intergenic	NM_199843	shcbp1	4.636144784	6.378662904	-1.74251812	0.000184
peak_31501	chr12	36748206	36748966	-116240	Intergenic	NM_200770	fscn2b	4.824466719	6.566997713	-1.742530994	0.002995
peak_25176	chr9	11259257	11260333	-302	promoter-TSS (NM_214787)	NM_214787	asic4a	6.201787562	7.94455684	-1.742769279	0.000413
peak_19982	chr19	11498081	11499084	6562	intron (NM_201492, intron 4 of 7)	NM_201492	tpm3	6.695171678	8.438157598	-1.74298592	4.07E-05
peak_40667	chr18	48168608	48170499	69702	Intergenic	NM_001007334	yif1b	5.961937321	7.704929636	-1.742992315	0.020133
peak_19112	chr4	16580376	16581215	-11719	Intergenic	NM_001045096	recql	6.764304073	8.507346929	-1.743042856	2.53E-05
peak_20693	chr14	36293260	36294485	184312	Intergenic	NM_001007108	il12ba	6.688792312	8.431835413	-1.7430431	5.84E-05
peak_24282	chr1	60262973	60263576	-6	promoter-TSS (NM_001190758)	NM_001190758	col5a3b	4.941670391	6.684843975	-1.743173584	0.000291
peak_31431	chr10	45321704	45322384	22758	Intergenic	NM_200592	nr2f1b	4.134662696	5.878000023	-1.743337327	0.002934
peak_30474	chr13	49468750	49469068	-66312	Intergenic	NM_182860	msh6	3.350931353	5.094321641	-1.743390288	0.002297
peak_25290	chr2	40835191	40835702	120146	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	4.918551392	6.661961394	-1.743410002	0.000431
peak_37618	chr14	29600971	29601358	-14804	Intergenic	NM_001039064	insb	3.434885166	5.178299698	-1.743414532	0.011878
peak_17113	chr7	19174040	19176127	-18889	intron (NM_214695, intron 3 of 17)	NM_130939	cth1	9.300792962	11.04437748	-1.743584517	7.57E-06
peak_37261	chr18	34215286	34215731	32738	intron (NM_001014320, intron 4 of 12)	NM_001014320	ppp1r13l	4.044117616	5.787731157	-1.743613542	0.011134
peak_23780	chr3	23038396	23039170	81995	Intergenic	NM_001128744	cyb561	4.89131342	6.635041011	-1.74372759	0.000234
peak_32843	chr5	34183596	34183992	-60620	Intergenic	NM_212898	ntmt1	4.044039864	5.787776565	-1.743736702	0.004216
peak_18305	chr17	53388613	53391178	-42669	intron (NM_131896, intron 2 of 4)	NM_131896_1	meis2a	8.764714411	10.50848697	-1.743772561	1.62E-05
peak_30461	chr15	37510786	37511341	6145	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	4.489851149	6.233642925	-1.743791776	0.00229
peak_26735	chr21	22413499	22413944	171768	Intergenic	NM_199635	zbtb16a	6.610221378	8.354014788	-1.74379341	0.000711
peak_26400	chr18	45582993	45583377	-164900	Intergenic	NM_199925	zgc:77304	4.449046535	6.192998596	-1.743952061	0.000632
peak_18706	chr8	50631567	50632689	-130129	Intergenic	NM_001128741	zgc:195023	7.350423983	9.094738309	-1.744314326	2.00E-05
peak_26619	chr7	44841021	44841433	-80416	Intergenic	NM_131214	cdh11	3.957365387	5.701698098	-1.744332711	0.000681
peak_25665	chr9	10303950	10304317	-11406	Intergenic	NM_001013447	spopla	3.918551392	5.663009532	-1.74445814	0.00049
peak_35689	chr20	45519388	45519918	343962	Intergenic	NM_001080702	zgc:158643	4.427692414	6.172168776	-1.744476362	0.007997
peak_28641	chr21	10639927	10640514	50531	intron (NM_001002562, intron 1 of 12)	NM_001002562	celf4	5.297609065	7.042219501	-1.744610436	0.001347
peak_33388	chr15	37666065	37666556	161392	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	4.766491751	6.511109113	-1.744617362	0.004806
peak_32970	chr7	54540983	54541510	-36066	Intergenic	NM_131025	ccnd1	4.280142431	6.02476742	-1.744624989	0.00437
peak_17871	chr19	15000542	15001839	-2135	Intergenic	NM_001135132	si:ch211-206a7.2	8.69171969	10.43651131	-1.744791616	1.26E-05
peak_36316	chr8	10178103	10178464	51407	Intergenic	NM_001013452	ptpn18	3.561542232	5.30641596	-1.744873728	0.009167
peak_28502	chr25	16828032	16828519	115103	Intergenic	NM_212847	tead1a	4.763304282	6.508210909	-1.744906627	0.00129
peak_26210	chr14	41670661	41671426	23591	intron (NM_001127519, intron 2 of 4)	NM_001127519	pcdh19	5.277844395	7.022793529	-1.744949134	0.000592
peak_39130	chr11	4809522	4809826	15002	Intergenic	NM_001077310		3.166915653	4.911924358	-1.745008705	0.015621
peak_29218	chr8	52306627	52307028	-5673	Intergenic	NM_001083854	ido1	3.96864384	5.71378159	-1.745137751	0.001617
peak_27089	chr4	146608	146964	45151	Intergenic	NM_201060	rpl18a	3.812734601	5.557874328	-1.745139727	0.000801
peak_39054	chr5	25035306	25035627	-49272	intron (NM_198339, intron 13 of 14)	NM_001166334	nlgn3b	3.378798964	5.124007201	-1.745208237	0.015403
peak_36280	chr13	45628589	45629330	12928	Intergenic	NM_130925	khdrbs1a	4.843015081	6.588373043	-1.745357962	0.009085
peak_24305	chr11	5310540	5311256	-242112	Intergenic	NM_201450	cse1l	6.093324086	7.838685187	-1.745361101	0.000293
peak_21800	chr10	5204551	5205541	-32700	intron (NM_001159835, intron 2 of 5)	NM_001020471	sptlc1	4.944529182	6.689917217	-1.745388035	9.90E-05
peak_19513	chr16	49340968	49341523	-17354	Intergenic	NM_131186	nr2f5	6.740602409	8.486019517	-1.745417107	3.12E-05
peak_31225	chr9	49357417	49357854	506	intron (NM_001159842, intron 1 of 35)	NM_001159842	col28a1a	3.961605146	5.707024042	-1.745418897	0.002784
peak_21023	chr17	10959605	10960180	-62982	intron (NM_001258228, intron 10 of 10)	NM_214731	dact1	5.557840361	7.303367301	-1.745526941	6.79E-05
peak_28434	chr16	15001277	15001875	-174379	Intergenic	NM_001007444	zgc:101640	5.160746838	6.906477614	-1.745730775	0.001262
peak_25163	chr13	5155405	5155895	90296	Intergenic	NM_131893	meis1	4.339030839	6.084840407	-1.745809569	0.000412
peak_35543	chr24	237822	238155	8932	intron (NM_001089337, intron 1 of 7)	NM_001089337	stk17a	3.293658114	5.039484078	-1.745825965	0.007745
peak_21247	chr21	22528633	22529183	56581	intron (NM_199635, intron 2 of 4)	NM_199635	zbtb16a	5.562500144	7.30851395	-1.746013806	7.54E-05
peak_17603	chr3	9070578	9071663	23021	Intergenic	NM_131836_1	sim2	8.905180131	10.65120663	-1.746026495	1.06E-05
peak_29648	chr3	44120005	44120416	-90365	Intergenic	NR_030104		4.666813271	6.412972497	-1.746159226	0.00183
peak_24400	chr17	44424322	44424914	62678	Intergenic	NM_001113796	exoc5	6.442964905	8.189516201	-1.746551296	0.000305
peak_41307	chr13	6739065	6739409	79504	Intergenic	NM_205675	pitx3	4.169432838	5.91600173	-1.746568891	0.022334
peak_43575	chr1	46458541	46458898	29592	intron (NM_001008624, intron 1 of 20)	NM_001008624	arhgef7b	4.26992192	6.016612089	-1.746690169	0.031113
peak_22616	chr15	20406828	20408441	-1664	Intergenic	NR_030067		7.407206345	9.153958357	-1.746752012	0.000142
peak_19747	chr19	25980071	25980802	24539	Intergenic	NM_001128331	LOC555344	6.899645134	8.646503712	-1.746858579	3.55E-05
peak_29078	chr18	76278	76599	-38042	Intergenic	NM_001030061	trpm7	3.639677051	5.386583907	-1.746906856	0.001548
peak_37558	chr5	527749	528071	27142	intron (NM_001004603, intron 6 of 8)	NM_001004603	ass1	4.142225818	5.889345315	-1.747119497	0.011766
peak_26493	chr11	25891092	25891542	-37034	intron (NM_200936, intron 1 of 20)	NM_001007295	zgc:92107	5.174276477	6.921585436	-1.747308959	0.000651
peak_21706	chr22	40160457	40161159	174876	Intergenic	NM_213118	sox2	6.179442693	7.926795747	-1.747353054	9.42E-05
peak_17671	chr20	48227295	48228287	156666	Intergenic	NM_001024665	tfap2b	7.732330805	9.479867268	-1.747536462	1.11E-05
peak_19820	chr3	32098290	32099159	259	exon (NM_001195240, exon 1 of 4)	NM_001195240	kcnc3a	5.801323604	7.548876698	-1.747553095	3.72E-05
peak_31863	chr18	19419090	19419492	-9641	Intergenic	NM_001045051	LOC564395	4.002039684	5.749675572	-1.747635887	0.003325
peak_26512	chr14	47863956	47864331	-70210	intron (NM_001076572, intron 1 of 9)	NM_001076624	rnf44	4.163239007	5.910903386	-1.747664379	0.000656
peak_27409	chr2	40154048	40154616	72433	intron (NM_153658, intron 2 of 15)	NM_153658	epha4b	4.648470066	6.396172301	-1.747702235	0.000897
peak_26927	chr10	12807563	12808059	272316	Intergenic	NM_001114892	musk	4.383019995	6.130856719	-1.747836724	0.00076
peak_23590	chr8	3105145	3105572	113471	Intergenic	NM_001045162	crb2b	4.426670464	6.174519147	-1.747848683	0.000214
peak_28830	chr15	13342883	13343157	199733	Intergenic	NM_199847	fxyd6	3.455073397	5.203204488	-1.748131091	0.001431
peak_30600	chr3	23069956	23070231	50685	Intergenic	NM_001128744	cyb561	3.777803175	5.52606581	-1.748262636	0.002364
peak_26369	chr13	34815029	34815381	-97902	Intergenic	NM_001100953	tasp1	4.371320339	6.119779562	-1.748459222	0.000626
peak_28333	chr11	1627143	1627613	28011	intron (NM_212882_3, intron 1 of 8)	NM_212882_3		4.10167217	5.850152018	-1.748479848	0.001225
peak_19124	chr5	25038504	25039103	-52609	intron (NM_198339, intron 13 of 14)	NM_001166334	nlgn3b	5.878268689	7.626838419	-1.74856973	2.54E-05
peak_33045	chr1	22773018	22773291	-77327	Intergenic	NM_152975	mab21l2	3.494735408	5.243314885	-1.748579476	0.004441
peak_28724	chr19	43272385	43272764	-32374	Intergenic	NM_001044977	tinagl1	4.065285294	5.814366908	-1.749081614	0.001378
peak_24110	chr21	10720803	10721321	-30311	Intergenic	NM_001002562	celf4	5.189453875	6.938554217	-1.749100343	0.00027
peak_28693	chr17	13178125	13178596	215472	Intergenic	NM_001172570	pnn	4.60661616	6.355769926	-1.749153765	0.001367
peak_19579	chr8	45797048	45797903	24065	Intergenic	NM_131706	mhc2dcb	7.52435869	9.273663713	-1.749305023	3.24E-05
peak_24452	chr23	3715892	3716642	18695	Intergenic	NM_201145	nudt3a	5.960172675	7.70957959	-1.749406915	0.00031
peak_40800	chr3	60300047	60300609	-5564	Intergenic	NM_213461	arhgdia	4.374503711	6.124001619	-1.749497907	0.020574
peak_22021	chr18	30232121	30232846	-153535	Intergenic	NM_001080807	gse1	5.699433654	7.448964342	-1.749530688	0.00011
peak_29281	chr18	27160761	27161086	99998	intron (NM_001136243, intron 5 of 26)	NM_200194	zgc:56106	3.722150645	5.471839331	-1.749688686	0.001654
peak_25162	chr7	12568012	12568625	316275	Intergenic	NM_001080993	mex3b	4.474051752	6.224041811	-1.749990059	0.000412
peak_28530	chr1	6659030	6659462	92566	Intergenic	NM_001102569	radil	4.256113835	6.006113093	-1.749999258	0.001301
peak_19761	chr20	31489812	31490740	32932	intron (NM_001044819, intron 4 of 19)	NM_001044819	sash1a	5.746154871	7.496316828	-1.750161958	3.57E-05
peak_22638	chr8	8577186	8578161	-13246	intron (NM_001122628_1, intron 1 of 1)	NM_001111186	abcd1	5.862440068	7.612677138	-1.750237069	0.000144
peak_24463	chr5	69721187	69721542	23883	Intergenic	NM_001013309	htatip	4.390377213	6.140735875	-1.750358662	0.000311
peak_26428	chr20	22652724	22653032	4	promoter-TSS (NM_001075113)	NM_001075113	lnx1	3.68663467	5.437008196	-1.750373526	0.000636
peak_32941	chr25	31986433	31986819	48183	Intergenic	NR_030401		3.722150645	5.472561862	-1.750411216	0.00434
peak_32972	chr4	5620947	5621233	6046	Intergenic	NM_131289	pou3f2a	3.383019995	5.133579483	-1.750559488	0.004374
peak_19158	chr3	31419044	31420231	-110081	Intergenic	NM_001080044	smg1	6.332754913	8.083465007	-1.750710094	2.58E-05
peak_28235	chr20	45594673	45594946	268806	Intergenic	NM_001080702	zgc:158643	3.342286181	5.093131479	-1.750845298	0.001186
peak_26398	chr10	22846590	22847160	-100605	Intergenic	NM_001030178	kdm6bb	4.342286181	6.093234819	-1.750948638	0.000632
peak_19630	chr16	1062016	1062834	241775	Intergenic	NM_207185	irx1a	5.723815645	7.474807893	-1.750992248	3.35E-05
peak_20756	chr19	21028233	21028665	-63891	Intergenic	NM_001080162	satb1a	5.22346309	6.974468937	-1.751005847	5.99E-05
peak_28604	chr7	52469467	52469785	-88970	Intergenic	NM_001123230	col4a5	3.438945476	5.189981079	-1.751035603	0.001334
peak_26489	chr4	626447	627231	-20435	Intergenic	NM_001114983	sobpb	6.329719439	8.080759081	-1.751039642	0.00065
peak_25577	chr8	47504585	47505153	10483	intron (NM_213145, intron 4 of 5)	NM_213145	ywhabb	4.859012881	6.610083935	-1.751071054	0.000477
peak_32445	chr11	40710302	40710657	-273917	Intergenic	NM_001040387	wnt4a	3.8361042	5.587186411	-1.751082211	0.003835
peak_20446	chr15	44415253	44416141	-24631	Intergenic	NM_200546_1	psmd2	5.929414836	7.680560631	-1.751145795	5.17E-05
peak_30051	chr18	23285647	23286180	311332	Intergenic	NM_131301	mef2aa	4.935175398	6.686563939	-1.751388541	0.002052
peak_31273	chr8	16070402	16070643	-248043	Intergenic	NM_001017814	spata6	2.800163388	4.551609653	-1.751446265	0.002823
peak_20762	chr12	44177273	44178396	104804	intron (NM_001080602, intron 8 of 15)	NM_001080602	ebf3	7.065623162	8.817074814	-1.751451652	6.01E-05
peak_28505	chr12	39275776	39276205	-438475	Intergenic	NM_001040355	pmp22b	4.664214276	6.415793384	-1.751579108	0.001292
peak_25080	chr23	38208932	38209228	-43860	Intergenic	NM_001020707	zgc:112994	3.806462687	5.558144387	-1.7516817	0.000399
peak_19654	chr5	35224181	35224967	-5275	Intergenic	NM_001100078	LOC100002237	6.627027724	8.378730078	-1.751702354	3.40E-05

peak_31393	chr16	49553614	49554016	-3428	Intergenic	NM_001110124	rpz5	4.268715286	6.020571304	-1.751856018	0.002911
peak_26762	chr12	42665338	42665655	-464247	Intergenic	NM_212880	zgc:76887	4.499603187	6.251477733	-1.751874546	0.000718
peak_43766	chr13	29163604	29164081	154381	Intergenic	NM_001020523	nsmce4a	3.860615567	5.612497906	-1.751882338	0.03206
peak_19423	chr18	20733250	20733709	94025	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	5.849130417	7.60101891	-1.751888493	2.97E-05
peak_23874	chr18	27663018	27663469	-18037	Intergenic	NM_001002439	tspan18b	5.790242159	7.542171079	-1.75192892	0.000244
peak_18675	chr5	48142954	48144578	-27121	Intergenic	NM_001007790	hapln1a	7.594556028	9.346675533	-1.752119505	1.96E-05
peak_22439	chr11	25651315	25651797	-11349	Intergenic	NM_001080005	zgc:153953	5.761255326	7.513885159	-1.752629833	0.000132
peak_43110	chr19	15302873	15303072	-15527	Intergenic	NM_001044982	cited4a	3.154623552	4.907297127	-1.752673576	0.029054
peak_34366	chr25	25355432	25355753	382005	Intergenic	NM_001013512	tmem86a	3.563403173	5.316353802	-1.752950628	0.006001
peak_29779	chr14	52677137	52677630	45139	Intergenic	NM_001110028	zgc:171797	4.029304008	5.782368765	-1.753064757	0.001908
peak_25835	chr16	33021548	33021997	113786	Intergenic	NM_001013340	fam210a	4.885374666	6.638523076	-1.75314841	0.000519
peak_18976	chr14	33846942	33847627	-27053	intron (NM_131472, intron 29 of 29)	NM_131109	cdx4	6.470832997	8.224005949	-1.753172951	2.35E-05
peak_30559	chr19	30737336	30737567	-99542	Intergenic	NM_131162	ntla	3.583823625	5.337034068	-1.753210443	0.002343
peak_22649	chr3	20235344	20236007	-228048	Intergenic	NM_194417	sepw2a	5.143434108	6.896735121	-1.753301013	0.000145
peak_29825	chr17	48415438	48415712	33531	Intergenic	NM_001201393	smoc1	3.860527269	5.613896503	-1.753369234	0.001927
peak_32888	chr21	1156664	1157091	49175	Intergenic	NM_201138	txnl1	3.961605146	5.715069517	-1.753464371	0.004264
peak_39363	chr11	2059942	2060271	18189	intron (NM_200495, intron 6 of 12)	NM_001083310	rargb	2.708761012	4.462306267	-1.753545255	0.016221
peak_35567	chr15	32701910	32702239	101517	Intergenic	NM_152974	mab21l1	3.751925757	5.505531861	-1.753606104	0.007778
peak_43432	chr15	23488495	23488826	-192286	Intergenic	NM_212633	appbp2	3.420463621	5.174083599	-1.753619978	0.030545
peak_21348	chr22	14170932	14171464	-24811	Intergenic	NM_001278817	aox1	5.19786442	6.951542357	-1.753677938	7.91E-05
peak_19624	chr21	3070879	3072337	128333	Intergenic	NM_213302	hnrnpabb	7.555614862	9.309620537	-1.754005675	3.33E-05
peak_30219	chr14	32305265	32305724	31182	Intergenic	NR_030129		3.961605146	5.715809406	-1.75420426	0.002154
peak_20868	chr14	21610815	21611583	281814	Intergenic	NM_001080068	ids	6.778015213	8.532237639	-1.754222426	6.29E-05
peak_18048	chr7	26473213	26473969	-17794	Intergenic	NM_212666	cyp26b1	7.765932941	9.520196535	-1.754263595	1.40E-05
peak_22791	chr17	52809742	52810077	-189464	Intergenic	NM_194386	tgfb3	4.44299439	6.197282199	-1.754287809	0.000153
peak_20249	chr18	9649901	9650598	108541	Intergenic	NM_001100024	LOC566572	5.636586791	7.390911801	-1.75432501	4.70E-05
peak_30339	chr8	10714821	10715368	199566	Intergenic	NM_001077391	zgc:153997	4.6900456	6.444432459	-1.754386859	0.00222
peak_29876	chr4	14082987	14083248	6384	intron (NM_201489, intron 1 of 6)	NM_201489	ube2h	3.605660766	5.360196341	-1.754535575	0.001957
peak_18492	chr9	38232677	38233342	38864	intron (NM_130967, intron 2 of 13)	NM_130967	gli2a	6.690058022	8.444606275	-1.754548253	1.77E-05
peak_25206	chr7	64176735	64177378	1114926	Intergenic	NM_131287	sox17	5.372413207	7.12699336	-1.754580153	0.000417
peak_40130	chr7	70882887	70883252	76645	Intergenic	NM_001100142	phlpp2	3.695146922	5.449768776	-1.754621854	0.018402
peak_27699	chr19	21613657	21614110	-277123	Intergenic	NM_001042746	tshz1	4.62638622	6.381098085	-1.754711865	0.000991
peak_28436	chr16	41306922	41307273	-12803	Intergenic	NM_200839	eif3ea	3.997917271	5.752694306	-1.754777035	0.001262
peak_25300	chr20	38931306	38932310	-1486	Intergenic	NR_030060		5.499117148	7.254188431	-1.755071284	0.000432
peak_25083	chr18	33164952	33165393	223426	Intergenic	NM_001045019	tiparp	5.507869092	7.262957644	-1.755088552	0.0004
peak_20487	chr8	3256489	3256965	4737	intron (NM_001040010, intron 3 of 4)	NM_001040010	lhx2b	5.825242463	7.580534074	-1.755291611	5.26E-05
peak_30697	chr18	13952173	13952660	-28885	Intergenic	NM_200754	hsbp1b	3.808033224	5.563650776	-1.755617552	0.002426
peak_32887	chr8	20329604	20330278	112032	Intergenic	NM_001270477	LOC566028	4.388278976	6.143966734	-1.755687758	0.004263
peak_34199	chr11	15289516	15289888	-11293	Intergenic	NM_130909	hug	3.698537809	5.454329505	-1.755791696	0.005771
peak_20325	chr20	21747056	21747769	80008	Intergenic	NM_180966	esr2a	6.31764192	8.073519692	-1.755877772	4.89E-05
peak_27331	chr24	7598095	7598550	102462	Intergenic	NM_001076562	galnt11	3.965832482	5.721779708	-1.755947226	0.00087
peak_19969	chr7	73416645	73417363	471353	Intergenic	NM_001115141	dhx15	5.483939468	7.23998099	-1.756041522	4.05E-05
peak_30361	chr8	23472280	23472963	-77972	Intergenic	NM_001199436	si:ch211-261n11.	4.276743633	6.032854223	-1.75611059	0.00223
peak_37713	chr3	43453371	43453733	59835	Intergenic	NM_201585	micall2a	3.31603542	5.072223402	-1.756187983	0.012069
peak_21695	chr2	40900984	40901555	54323	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	6.078703402	7.834900121	-1.756196719	9.37E-05
peak_26139	chr7	43894620	43895071	4993	intron (NM_001007175, intron 1 of 39)	NM_001007175	scrib	4.426670464	6.182947922	-1.756277458	0.000577
peak_27456	chr5	22800898	22801208	13271	intron (NM_001271393, intron 2 of 19)	NM_001271393	camk2b1	3.848367416	5.604757169	-1.756389753	0.000912
peak_23613	chr18	41556168	41556632	156421	exon (NM_001167569, exon 5 of 6)	NM_001167569_1	pvrl1b	5.225815055	6.982266304	-1.756451249	0.000216
peak_28354	chr11	29228204	29229020	133631	intron (NM_001033094_1, intron 3 of 4)	NM_001033094_1	ephb2b	6.065613587	7.822114945	-1.756501358	0.001231
peak_37431	chr9	2801136	2801598	40461	Intergenic	NM_001089498	sp3a	3.243333623	4.999843445	-1.756509822	0.011507
peak_25542	chr5	15026499	15026947	29723	Intergenic	NM_198919	figla	5.079047629	6.83562679	-1.756579161	0.00047
peak_36179	chr1	34005053	34005387	76614	exon (NM_001045444, exon 28 of 30)	NM_001034019	kctd12.2	4.022555809	5.779300178	-1.756744369	0.00889
peak_37482	chr9	10056420	10056809	6947	intron (NM_001039621, intron 2 of 10)	NM_001039621	fstl1b	3.525720463	5.282486624	-1.756766161	0.01163
peak_24667	chr11	20379274	20379664	-98048	Intergenic	NM_131636	fezf2	5.030649868	6.787428553	-1.756778685	0.00034
peak_32113	chr14	33522181	33522637	-96912	Intergenic	NM_001039135	inppl1b	3.683215657	5.440174761	-1.756959104	0.003513
peak_20724	chr17	35076719	35077434	104007	Intergenic	NM_201291	id2a	5.267607534	7.024582075	-1.756974542	5.92E-05
peak_19072	chr18	33251702	33252835	-265443	Intergenic	NM_001082996	ccdc19	6.57804193	8.335255199	-1.75721327	2.47E-05
peak_19604	chr5	74905973	74906563	-8597	Intergenic	NM_131208	lhx3	7.22845644	8.985739972	-1.757283532	3.29E-05
peak_19853	chr12	31173354	31174262	-161784	Intergenic	NM_131731	gfra1b	6.183701022	7.941011522	-1.7573105	3.77E-05
peak_22865	chr13	36691581	36692490	-25575	Intergenic	NM_001123256	slc8a3	5.392995724	7.150492422	-1.757496698	0.000158
peak_18803	chr15	38343655	38344245	-130297	Intergenic	NM_131633	robo2	5.849893014	7.607455276	-1.757562262	2.13E-05
peak_27825	chr12	7212821	7213213	63641	Intergenic	NM_131003	dkk1b	5.05800538	6.815640258	-1.757634878	0.00104
peak_22983	chr20	898065	898591	19355	exon (NM_001044793, exon 15 of 29)	NM_001044793	snx14	4.25841321	6.016101297	-1.757688087	0.000168
peak_37023	chr21	17496182	17496681	-225841	Intergenic	NM_213355	smpd4	3.282403856	5.040318516	-1.75791466	0.010611
peak_20711	chr20	52704253	52704765	-26061	Intergenic	NM_001144787	si:ch1073-287p1	5.371851389	7.129954354	-1.758102965	5.88E-05
peak_29224	chr14	24412837	24413078	-156108	Intergenic	NM_001039461	med12	3.555944961	5.314095657	-1.758150696	0.001619
peak_26878	chr19	47345739	47346258	202846	intron (NM_001177934, intron 5 of 7)	NM_001177934	trps1	3.818979367	5.577147286	-1.758167919	0.000747
peak_21134	chr9	13715947	13717536	-85472	Intergenic	NM_131139	fzd7a	7.73903558	9.497464086	-1.758428506	7.17E-05
peak_28517	chr5	29433575	29433872	78483	Intergenic	NM_001013472	zgc:110340	3.988252249	5.746752333	-1.758500084	0.001297
peak_26555	chr11	24674921	24675670	-57697	Intergenic	NM_001145767	nfasca	5.07118317	6.829693648	-1.758510478	0.000665
peak_17641	chr16	7477921	7478957	-19660	Intergenic	NM_131059	ctnnb1	7.135922933	8.894507751	-1.758584818	1.09E-05
peak_20322	chr18	42921846	42922511	21360	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	6.164772082	7.923501747	-1.758729665	4.88E-05
peak_22851	chr1	8365530	8366566	-139	promoter-TSS (NM_001020780)	NM_001020780	uncx4.1	6.572019384	8.330910391	-1.758891006	0.000158
peak_22731	chr7	23221686	23222359	78720	intron (NM_001166329, intron 1 of 6)	NM_001166329	nlgn2b	5.4695931	7.228572349	-1.758979249	0.00015
peak_28477	chr14	43533541	43533966	113336	Intergenic	NM_001030213	afap1l1a	4.203245422	5.962245611	-1.759000189	0.001278
peak_26814	chr16	919374	919717	98895	Intergenic	NM_207185	irx1a	4.343369665	6.10249875	-1.759129086	0.000733
peak_36382	chr2	3487578	3488189	-11758	Intergenic	NM_201452	arf1	4.429793656	6.188975699	-1.759182043	0.009291
peak_27724	chr1	6117410	6118076	45292	intron (NM_001143751_2, intron 1 of 10)	NM_001143751_2	erbb4a	4.46113342	6.220442945	-1.759309525	0.001001
peak_42506	chr14	28497415	28497810	554209	Intergenic	NM_200569	tsc22d3	4.079659981	5.838999708	-1.759339727	0.026445
peak_26317	chr5	1297296	1298113	23989	Intergenic	NM_001007776_1	fubp3	6.524934787	8.284332445	-1.759397659	0.000614
peak_18688	chr25	15138561	15139012	8055	intron (NM_200452, intron 2 of 4)	NM_200452	dnajc24	6.138743071	7.89837722	-1.75963415	1.98E-05
peak_24962	chr10	40217546	40218243	101953	intron (NM_001030224, intron 3 of 32)	NM_001030224	dscama	4.375563276	6.135258231	-1.759694955	0.000381
peak_27299	chr20	30057784	30058518	3049	TTS (NM_131337)	NM_131337	sox11b	6.123965771	7.883665757	-1.759699985	0.00086
peak_27226	chr24	39758115	39759049	5086	intron (NM_001013511, intron 1 of 28)	NM_001013511	mybpc2b	5.10167217	6.861549926	-1.759877757	0.00084
peak_21841	chr20	17795853	17796979	10395	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	8.328987492	10.08889706	-1.759909565	0.000101
peak_24432	chr19	28615945	28616527	84	promoter-TSS (NM_131823)	NM_131823	irx1b	6.546332431	8.306434535	-1.760102104	0.000308
peak_41964	chr7	37657343	37657810	-137186	Intergenic	NM_200105	aktip	3.370319669	5.130434409	-1.760114739	0.024536
peak_37461	chr17	220212	220753	24499	exon (NM_001042745, exon 22 of 70)	NM_001042745	dync1h1	4.955240826	6.715452769	-1.760211944	0.011583
peak_24904	chr3	13526221	13526591	-7379	Intergenic	NM_001018135	sun1	4.864350335	6.624563263	-1.760212928	0.000374
peak_23232	chr17	5723464	5724576	2209	Intergenic	NR_030085		5.619195203	7.379587876	-1.760392673	0.000185
peak_21605	chr20	39663131	39664465	-41751	Intergenic	NM_131622	hey2	7.494972077	9.25546419	-1.760492113	9.03E-05
peak_22870	chr2	54728547	54729035	-242953	Intergenic	NM_001017676	capsla	4.744515468	6.505102104	-1.760586636	0.000159
peak_38653	chr5	3391989	3392472	-126232	Intergenic	NM_213022	ywhag1	4.614662915	6.375369438	-1.760706523	0.014329
peak_24909	chr5	20242449	20242882	438566	Intergenic	NM_201009	aacs	4.225815055	5.98656439	-1.760749335	0.000374
peak_19255	chr8	33464532	33465536	100832	Intergenic	NM_001020514	ncs1b	7.501559865	9.262323811	-1.760763946	2.71E-05
peak_39221	chr2	18166575	18167043	126020	intron (NM_212893, intron 14 of 20)	NM_001100007	ptbp2b	4.883141315	6.643987445	-1.76084613	0.015873
peak_22237	chr7	7435441	7436148	-22137	Intergenic	NM_213311	pnp5a	5.89614226	7.656991703	-1.760849443	0.000121
peak_24021	chr17	1084975	1086272	-4371	Intergenic	NM_001281801	akt1	6.802517359	8.56342179	-1.760904431	0.000259
peak_27400	chr16	34749148	34749629	-124903	Intergenic	NM_131160	pou3f2b	4.853699967	6.614697134	-1.760997166	0.000892
peak_31347	chr16	57551394	57551739	68099	intron (NM_001039925, intron 10 of 11)	NM_001128260	zgc:172096	4.046703014	5.808016415	-1.761313401	0.002879
peak_24797	chr17	35275227	35276110	11514	intron (NM_001045207, intron 1 of 27)	NM_001045207	asap2a	6.797189563	8.558510632	-1.761321069	0.000359
peak_34307	chr20	33356551	33356845	23334	Intergenic	NM_212614	mycn	3.563403173	5.324743125	-1.761339951	0.005918
peak_24958	chr9	45361935	45362483	-1482	Intergenic	NM_130978	neurod	4.988211839	6.749572725	-1.761360886	0.000381
peak_26759	chr17	30626497	30626814	-46502	Intergenic	NM_001003547	itsn2b	3.892054049	5.653473061	-1.761419012	0.000718
peak_32903	chr13	5177899	5178818	67588	intron (NM_131893, intron 9 of 12)	NM_131893	meis1	4.736290393	6.497772877	-1.761482483	0.004288

peak_39996	chr3	41923362	41925382	12091	Intergenic	NM_130971	lfng	6.299285064	8.06079482	-1.761509756	0.01802
peak_26360	chr1	49458550	49459043	273362	Intergenic	NM_001115060	cxcl-c1c	4.738762843	6.500281715	-1.761518872	0.000623
peak_31444	chr17	11836290	11836657	85110	intron (NM_001037400, intron 5 of 11)	NM_001037400	smyd3	3.629054199	5.39067623	-1.76162203	0.002945
peak_43703	chr24	43003133	43003418	-9140	Intergenic	NM_200379	xylb	2.970047467	4.73172482	-1.761677353	0.03175
peak_20284	chr14	25704462	25705273	55930	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	6.173040427	7.934744695	-1.761704267	4.80E-05
peak_23235	chr10	29216994	29217530	-154612	Intergenic	NM_001007351	btg3	4.977085916	6.738840928	-1.761755012	0.000186
peak_23501	chr19	25786815	25787486	-30372	Intergenic	NM_001100009	rims3	5.385651882	7.147438582	-1.7617867	0.000207
peak_34982	chr14	27308921	27309311	75118	Intergenic	NM_001017831	gm2a	4.234016866	5.995812654	-1.761795788	0.006842
peak_18125	chr7	74070667	74071950	136754	Intergenic	NM_001006020_1	ccdc149a	6.8017178	8.563779724	-1.762061924	1.47E-05
peak_36527	chr10	44317591	44317873	53214	Intergenic	NM_198370	zcchc9	3.50251599	5.264579535	-1.762063545	0.009597
peak_28123	chr10	27845075	27846309	114079	Intergenic	NM_152948	cxadr	6.009285422	7.771383547	-1.762098124	0.001149
peak_28801	chr18	16015626	16015948	109813	Intergenic	NM_001045074	alx1	3.542799588	5.304930494	-1.762130906	0.001419
peak_29971	chr2	16134817	16135459	-135073	Intergenic	NM_001017611	zgc:110269	5.912702642	7.674959398	-1.762256756	0.002012
peak_25697	chr1	16467649	16468132	9868	intron (NM_001024376, intron 2 of 6)	NM_001024376	pdlim3a	3.594783512	5.357044812	-1.7622613	0.000495
peak_28422	chr1	5622013	5622371	-72761	Intergenic	NM_001143751	erbb4a	4.066598018	5.829069518	-1.762471499	0.001257
peak_22181	chr14	33525382	33526175	-93543	Intergenic	NM_001039135	inppl1b	5.944906955	7.707392774	-1.762485819	0.000118
peak_29410	chr18	41630446	41630738	82229	Intergenic	NM_001167569_1	pvrl1b	3.822091642	5.584766075	-1.762674433	0.00171
peak_29040	chr10	32148229	32148861	39510	intron (NM_153654, intron 1 of 10)	NM_153654	pknox2	5.20506941	6.967808835	-1.762739425	0.00153
peak_32172	chr14	21411958	21412375	254315	Intergenic	NM_152963	fmr1	3.171803318	4.934549137	-1.762745819	0.003565
peak_27885	chr20	4477698	4478174	220942	Intergenic	NM_001076758	zgc:154018	5.171803318	6.934589961	-1.762786642	0.001061
peak_25045	chr6	43235269	43235580	69724	Intergenic	NM_001006096	arl6ip5a	4.307113146	6.070082644	-1.762969498	0.000393
peak_21451	chr16	2015138	2015994	-265655	Intergenic	NM_001013342	zgc:112964	5.98406993	7.747074557	-1.763004627	8.32E-05
peak_35856	chr7	33491274	33491540	-136107	Intergenic	NM_200239	kif18a	3.147197703	4.91022965	-1.763031946	0.008307
peak_35515	chr6	10110676	10111010	105729	Intergenic	NM_001044895	scn1lab	4.077057032	5.840150644	-1.763093612	0.007701
peak_40458	chr25	23202885	23203426	-107497	Intergenic	NM_001045312	stra6	4.12075459	5.883940076	-1.763185486	0.019441
peak_41114	chr23	29607261	29607581	6577	Intergenic	NM_198364	tardbpl	1.632603848	3.396084007	-1.763480159	0.021743
peak_17388	chr17	38065784	38066746	-33991	Intergenic	NM_001077519	plekhh1	7.369068952	9.132599389	-1.763530437	9.07E-06
peak_25627	chr12	33095377	33095886	14004	intron (NM_001034980, intron 3 of 7)	NM_001034980	vti1a	4.612919391	6.376498423	-1.763579031	0.000484
peak_37417	chr23	37968104	37968656	-39361	Intergenic	NM_001145246	cd40	3.730456497	5.494102159	-1.763645662	0.01148
peak_28933	chr25	10919376	10919872	17912	intron (NM_001177458, intron 5 of 20)	NM_001177458	lrp5	4.291414275	6.055071192	-1.763656918	0.001483
peak_32617	chr17	22764772	22765133	107874	intron (NM_173285, intron 16 of 19)	NR_030140		3.672909731	5.436622431	-1.7637127	0.003995
peak_22682	chr5	30172454	30173292	18939	intron (NM_001089574, intron 6 of 9)	NM_001089574	zgc:162952	6.53616789	8.29997911	-1.76381122	0.000147
peak_25050	chr12	46682758	46683083	-61485	Intergenic	NM_212942	fbxl15	4.576416744	6.340305864	-1.76388912	0.000395
peak_22367	chr14	21664870	21665397	227880	Intergenic	NM_001080068	ids	4.922181637	6.686201648	-1.764020011	0.000128
peak_31007	chr23	32523299	32523636	19780	intron (NM_001045315, intron 1 of 23)	NM_001045315	dgkaa	4.052091935	5.816154071	-1.764062136	0.002622
peak_22685	chr13	34654479	34655046	-258345	intron (NM_200549, intron 8 of 19)	NM_001100953	tasp1	4.551263923	6.315638779	-1.764374856	0.000147
peak_29427	chr24	42656591	42656929	-13331	intron (NM_001045123, intron 2 of 3)	NM_001077795	zgc:153492	3.723815645	5.488257984	-1.764442339	0.001719
peak_18784	chr19	45114262	45115666	-54987	Intergenic	NM_201081	wasf2	7.866707141	9.631153664	-1.764446524	2.09E-05
peak_24727	chr12	40148085	40148580	41972	intron (NM_001002490, intron 2 of 7)	NM_001002490	ttyh2	4.60023239	6.364692735	-1.764460345	0.000348
peak_28591	chr2	32692943	32693412	128662	Intergenic	NM_001002637	tmem53	4.81668626	6.581217582	-1.764531322	0.001328
peak_30040	chr15	23601830	23602184	-305633	Intergenic	NM_212633	appbp2	3.60023239	5.364810114	-1.764577724	0.002047
peak_27909	chr6	33237030	33237883	2532	intron (NM_201143, intron 1 of 12)	NM_201143	pik3r3b	6.053085633	7.817737168	-1.764651535	0.001069
peak_25871	chr2	40125023	40125413	43319	intron (NM_153658, intron 2 of 15)	NM_153658	epha4b	4.685780676	6.450491202	-1.764710526	0.000525
peak_28897	chr19	18915144	18915432	5809	intron (NM_001044892, intron 1 of 4)	NM_001044892	cspg5b	3.859012881	5.623768306	-1.764755425	0.001465
peak_19867	chr7	16653366	16653952	16919	intron (NM_131641, intron 6 of 11)	NM_131641	pax6b	7.314330427	9.079154423	-1.764823996	3.80E-05
peak_39314	chr20	40105716	40106111	245708	Intergenic	NM_001025545	clvs2	3.632603848	5.397464315	-1.764860467	0.016107
peak_22438	chr22	39019438	39019960	394786	Intergenic	NM_001017600	polr2h	4.392472402	6.157422135	-1.764949733	0.000132
peak_26514	chr18	38569886	38570247	-82023	Intergenic	NM_001017682	sema6dl	3.921456318	5.686409949	-1.76495363	0.000657
peak_20451	chr20	10301253	10302742	3817	intron (NM_130910, intron 6 of 12)	NM_130910	meis2b	6.141548622	7.906512088	-1.764963465	5.18E-05
peak_24584	chr20	45785930	45786405	77448	Intergenic	NM_001080702	zgc:158643	4.568099124	6.333146879	-1.765047755	0.000328
peak_31322	chr23	7129501	7130050	-7380	Intergenic	NR_029993		4.812780238	6.577887506	-1.765107268	0.002862
peak_34128	chr5	74919509	74919743	4761	intron (NM_131208, intron 1 of 4)	NM_131208	lhx3	3.459077363	5.224230549	-1.765153186	0.005685
peak_30706	chr4	60447845	60448356	-22638	Intergenic	NM_001080666	slco1f4	4.194866279	5.960186423	-1.765320143	0.002431
peak_37565	chr23	45053803	45054208	13493	Intergenic	NM_001201337	LOC794400	3.712120089	5.477761027	-1.765640939	0.011774
peak_31804	chr18	7587992	7588453	-107519	Intergenic	NM_001013543	arsa	4.928693146	6.694516449	-1.765823303	0.003266
peak_27795	chr1	51398579	51398989	-31804	Intergenic	NM_131215	otx1a	3.890572412	5.656683244	-1.766110833	0.001029
peak_18808	chr7	53102414	53103147	1149	intron (NM_001114891, intron 1 of 1)	NM_001114891	cited1	6.835311813	8.601616351	-1.766304539	2.13E-05
peak_33210	chr16	47370234	47370667	138443	Intergenic	NM_200129	dcaf13	4.656338216	6.422694644	-1.766356428	0.004609
peak_22837	chr9	38195632	38196284	1813	intron (NM_130967, intron 1 of 13)	NM_130967	gli2a	6.311011316	8.077411346	-1.766400029	0.000156
peak_32784	chr8	5527329	5527655	-90146	Intergenic	NM_001012242	bnip3la	3.814298329	5.580795261	-1.766496933	0.00416
peak_29108	chr4	27055102	27055705	138408	intron (NM_214799, intron 10 of 13)	NM_214799	tbc1d22a	4.388278976	6.154925249	-1.766646273	0.001562
peak_20106	chr7	22188820	22189285	54151	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	5.09910867	6.865806158	-1.766697488	4.37E-05
peak_34710	chr11	45083586	45084036	-30371	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	5.314834536	7.081678181	-1.766843645	0.006443
peak_16761	chr20	21744644	21745523	77679	Intergenic	NM_180966	esr2a	8.016165896	9.783079408	-1.766913512	6.18E-06
peak_26340	chr13	11794608	11795044	-4965	Intergenic	NM_001044318	gng2	4.336856522	6.10380473	-1.766948208	0.000619
peak_28944	chr21	4336100	4336854	18319	intron (NM_131441, intron 3 of 22)	NM_131441	notch1a	5.773837184	7.541092379	-1.767255195	0.001486
peak_22251	chr6	26229708	26230441	38037	Intergenic	NM_001037680	sox14	6.410965216	8.178239166	-1.76727395	0.000122
peak_21864	chr2	39668922	39669334	171010	Intergenic	NM_001005919	epha4a	4.546567647	6.313964686	-1.76739704	0.000102
peak_40354	chr4	1164775	1165190	-37902	Intergenic	NM_178301	chrm2a	3.825197218	5.592594411	-1.767397193	0.019084
peak_32839	chr17	7503179	7503528	43065	Intergenic	NM_201151	fbxo30a	4.238682765	6.00616658	-1.767483814	0.004214
peak_22776	chr12	36280594	36281683	-4409	Intergenic	NM_001105598	timm23	7.778315685	9.545958821	-1.767643136	0.000152
peak_20300	chr7	51181287	51182121	8947	Intergenic	NM_131231	ascl1b	6.4192396	8.187049209	-1.767809609	4.83E-05
peak_26899	chr18	10197271	10197796	-36083	Intergenic	NM_200321	rbm28	6.175154008	7.943007765	-1.767853757	0.000753
peak_38055	chr18	23527343	23527556	131616	Intergenic	NM_131183	nr2f2	1.653720264	3.421691931	-1.767971667	0.012904
peak_24895	chr17	30435571	30436422	-73345	Intergenic	NM_001044353	lpin1	4.963015635	6.731005721	-1.767990087	0.000373
peak_39968	chr19	34467681	34468171	-933	promoter-TSS (NM_200441)	NM_200441	fam91a1	3.751830549	5.520495794	-1.768665245	0.01794
peak_20599	chr7	10725856	10726585	-30813	Intergenic	NM_214730	asb7	5.774617197	7.543326284	-1.768709086	5.60E-05
peak_24701	chr17	36047162	36047661	11324	Intergenic	NM_131336	sox11a	5.398770178	7.167540912	-1.768770734	0.000345
peak_35401	chr18	2772424	2772683	186976	Intergenic	NM_001045470	fam168a	3.459077363	5.227849747	-1.768772384	0.007502
peak_30738	chr13	39648080	39648655	71449	Intergenic	NM_213264	col9a1b	4.518008373	6.286786352	-1.768777978	0.002452
peak_19084	chr6	32763505	32763947	-10758	Intergenic	NM_001042687	pomgnt1	6.143434108	7.912258194	-1.768824085	2.49E-05
peak_21777	chr17	36054875	36055670	3463	TTS (NM_131336)	NM_131336	sox11a	6.262175318	8.031050729	-1.768875411	9.77E-05
peak_24963	chr20	17760796	17761182	-25032	Intergenic	NM_131081	cdh2	5.0420782	6.811502294	-1.769424094	0.000382
peak_21292	chr1	11025012	11026049	5711	intron (NM_001037387, intron 2 of 14)	NM_001037387	ttyh3b	6.624355991	8.393887226	-1.769531235	7.70E-05
peak_28137	chr2	46474044	46474380	-31473	Intergenic	NM_201020_1	gpc1b	3.639677051	5.409345096	-1.769668045	0.001155
peak_23567	chr24	4622998	4623446	-95264	Intergenic	NM_130918	fzd8a	5.024583585	6.79432104	-1.769737455	0.000212
peak_29889	chr18	9308156	9308632	360840	Intergenic	NM_001045084	sema3e	4.27219941	6.042021433	-1.769822022	0.001964
peak_26444	chr23	23535695	23536099	-62338	Intergenic	NM_001003830	noc2l	4.36386504	6.133745852	-1.769880812	0.000639
peak_20743	chr19	8073035	8073644	-76	promoter-TSS (NM_001159984)	NM_001159984	mllt11	6.683655954	8.453582269	-1.769926314	5.96E-05
peak_24937	chr15	21273210	21273592	-44	promoter-TSS (NM_001020690)	NM_001020690	hepacam	4.307113146	6.077111345	-1.769998199	0.000379
peak_40420	chr15	15512292	15513114	106554	Intergenic	NM_200639	flot2b	2.463070247	4.233078152	-1.770007905	0.019315
peak_33115	chr15	41991008	41991519	3681	intron (NM_203511, intron 1 of 10)	NM_203511	flj13639	4.628113554	6.398160235	-1.770046681	0.004526
peak_24241	chr9	5251475	5252649	97395	Intergenic	NM_001113590	tnfsf13b	6.499589012	8.269636392	-1.77004738	0.000286
peak_29511	chr11	538146	538436	22901	Intergenic	NM_152979	mkrn2	3.159552967	4.929728541	-1.770175574	0.001764
peak_19865	chr17	14704587	14705602	-22973	Intergenic	NM_200635	ptger2a	7.670283925	9.440607955	-1.77032403	3.80E-05
peak_25403	chr9	48730640	48731004	151096	Intergenic	NM_001003480	zgc:92380	5.179139309	6.949530466	-1.770391157	0.000449
peak_36675	chr10	1183924	1184268	6807	intron (NM_001114924_1, intron 2 of 4)	NM_001114924_1	bmpr1bb	3.989636937	5.76013128	-1.770494343	0.009872
peak_22613	chr13	28528099	28528678	2840	Intergenic	NM_001025532	lbx1a	6.042745355	7.81341051	-1.770665155	0.000142
peak_26022	chr25	36353905	36354449	3290	Intergenic	NM_001045234	fancf	5.074487444	6.845263114	-1.77077567	0.000554
peak_30402	chr4	20371622	20372069	30670	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	4.157090365	5.927898254	-1.77080789	0.002254
peak_20580	chr16	57498510	57499598	-56322	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	6.630373395	8.401251589	-1.770878194	5.54E-05
peak_23911	chr5	6336505	6337080	-65825	Intergenic	NM_205570	zgc:73226	5.237551702	7.008560434	-1.771008732	0.000247
peak_19320	chr12	8364438	8366165	-66054	Intergenic	NM_200241	ccdc6b	8.22058284	9.991651175	-1.771068336	2.81E-05
peak_25302	chr9	47857063	47858030	33567	Intergenic	NM_001126463	igfbp5a	5.616034558	7.387169952	-1.771135394	0.000433
peak_22390	chr19	3239417	3239830	-109159	Intergenic	NM_001261449	il6	5.402933264	7.174140041	-1.771206778	0.000129

peak_34169	chr9	7557466	7557882	23139	3' UTR (NM_130963, exon 9 of 9)	NM_130963	desma	4.551318627	6.322703713	-1.771385085	0.005725
peak_21324	chr22	35797651	35798145	-217446	Intergenic	NM_173274	dag1	4.884630599	6.656136703	-1.771506104	7.82E-05
peak_32378	chr2	8576811	8577293	-13484	Intergenic	NM_001100027	zzz3	4.703658466	6.475326309	-1.771667843	0.003764
peak_19460	chr25	14768943	14770422	1438	intron (NM_131178, intron 2 of 3)	NM_131178	dbx1b	7.161089962	8.933065624	-1.771975662	3.02E-05
peak_41370	chr23	1299786	1300453	-143343	Intergenic	NM_001281802	psmb11b	3.293658114	5.065943886	-1.772285772	0.022539
peak_24608	chr18	28168238	28168663	292703	Intergenic	NM_001080159	hipk3b	4.78105211	6.553441627	-1.772389518	0.00033
peak_31947	chr14	41561410	41561808	133025	Intergenic	NM_001127519	pcdh19	4.050765939	5.823170249	-1.77240431	0.003381
peak_32070	chr20	33482805	33483086	43677	Intergenic	NM_001044809	smek1	3.445014594	5.217445875	-1.772431281	0.00349
peak_42285	chr15	19410987	19411273	18814	Intergenic	NM_130944	dlc	3.432850718	5.205293181	-1.772442464	0.0256
peak_23832	chr9	6866868	6867429	101913	Intergenic	NM_001013320	tmem182	5.761660622	7.534145406	-1.772484784	0.00024
peak_25909	chr6	49148939	49149515	7163	intron (NM_199210, intron 2 of 3)	NM_199210	ngf	5.702789867	7.475326826	-1.772536959	0.000534
peak_27483	chr8	11752890	11753551	-3763	Intergenic	NM_001013303	pqlc2	4.123353545	5.895996809	-1.772643264	0.00092
peak_32300	chr6	18713158	18713604	-15315	Intergenic	NM_001114571	zgc:174863	4.245721053	6.01866142	-1.772940367	0.003689
peak_23722	chr2	43494167	43494841	-75855	Intergenic	NM_205674	nrp1b	6.799966091	8.573144353	-1.773178263	0.000228
peak_20592	chr5	75543466	75544463	-28234	Intergenic	NM_205634	zgc:77391	6.016755299	7.789951127	-1.773195828	5.57E-05
peak_19300	chr13	25154491	25155478	88237	intron (NM_001272084, intron 9 of 10)	NM_001110395	zgc:172281	6.84051211	8.613771216	-1.773259106	2.78E-05
peak_25266	chr20	50647870	50648421	-96484	Intergenic	NM_001144797	LOC569213	4.36599906	6.139431492	-1.773432432	0.000427
peak_17862	chr20	21130486	21131214	-125908	Intergenic	NM_001024815	btbd6b	7.549048795	9.322571568	-1.773522773	1.25E-05
peak_20389	chr12	46520892	46521507	100236	Intergenic	NM_212942	fbxl15	5.69177286	7.465357861	-1.773585	5.06E-05
peak_17869	chr23	28584901	28586122	4391	Intergenic	NM_170762	neurod4	7.902885394	9.67657505	-1.773689656	1.26E-05
peak_21112	chr8	24113688	24114409	47776	Intergenic	NM_200079	ppdpfa	6.055363031	7.829081877	-1.773718846	7.08E-05
peak_42113	chr8	34483057	34483649	-66347	Intergenic	NM_001136477	mvb12bb	4.334678924	6.108589136	-1.773910212	0.025033
peak_19938	chr11	19397466	19397991	104271	intron (NM_001007063, intron 2 of 21)	NM_001007063	magi1b	6.783637015	8.557790698	-1.774153682	3.96E-05
peak_28534	chr18	24833740	24834235	1554	intron (NM_153662, intron 1 of 5)	NM_153662	st8sia2	4.568099124	6.342260436	-1.774161312	0.001302
peak_23376	chr13	36228088	36228533	-29752	Intergenic	NM_001145575	kcnk1b	5.284661742	7.058829726	-1.774167984	0.000196
peak_18593	chr13	5784646	5785323	20736	intron (NM_001003600, intron 6 of 6)	NM_001003600	fam120b	6.615388146	8.389655646	-1.7742675	1.88E-05
peak_34948	chr19	43784423	43785021	-19603	3' UTR (NM_001045041, exon 5 of 6)	NM_001082932	cart4	4.919278172	6.693597383	-1.774319211	0.00679
peak_25656	chr10	17486620	17486969	2084	Intergenic	NR_030127		3.961605146	5.735931044	-1.774325898	0.000488
peak_24172	chr13	9940497	9941092	-114215	Intergenic	NM_131362	six3a	5.140320568	6.914705962	-1.774385394	0.000278
peak_19642	chr15	93566	95694	-23256	Intergenic	NM_001020822	cyp2y3	8.401151869	10.17553846	-1.774386588	3.37E-05
peak_21636	chr16	32961128	32961651	53403	Intergenic	NM_001013340	fam210a	5.445519203	7.22001778	-1.774498577	9.15E-05
peak_41861	chr18	33387650	33387956	-129908	Intergenic	NM_001082996	ccdc19	3.25733105	5.03188642	-1.77455537	0.024165
peak_39792	chr23	30778917	30779222	-167347	Intergenic	NM_212631	dnajc11	3.329220506	5.103823617	-1.774603111	0.01737
peak_27166	chr16	26583645	26584080	-149984	intron (NM_001007428, intron 1 of 7)	NM_200750	rps19	4.935175398	6.709845689	-1.774670291	0.000823
peak_31372	chr24	27901688	27901930	33526	Intergenic	NM_001077562	larp4b	3.623713297	5.398424466	-1.774711169	0.002896
peak_30319	chr9	13096705	13096972	-26548	Intergenic	NM_001122856	glb1l	3.728799148	5.503639998	-1.774840851	0.002208
peak_19800	chr20	24955182	24955812	37148	intron (NM_001044979, intron 4 of 17)	NM_001044979	epha7	5.72962806	7.504507034	-1.774878974	3.65E-05
peak_26869	chr25	4520940	4521484	-209657	Intergenic	NM_131786	cry3	4.972191213	6.747143541	-1.774952328	0.000745
peak_26678	chr22	35744858	35745382	-270224	Intergenic	NM_173274	dag1	5.955553801	7.730559142	-1.77500534	0.000696
peak_33500	chr5	2821639	2822290	23502	intron (NM_201167, intron 8 of 13)	NM_201167	hpda	4.783402514	6.558532908	-1.775130393	0.004916
peak_29107	chr3	6611266	6611657	-47467	Intergenic	NM_001089460	pkn1b	3.715471362	5.490608739	-1.775137377	0.001562
peak_33080	chr2	42970334	42970741	-3241	Intergenic	NM_200827_1	efr3a	4.293723513	6.069068051	-1.775344538	0.004476
peak_23142	chr13	19373485	19374536	6418	Intergenic	NM_131280	emx2	6.214295563	7.989698559	-1.775402995	0.00018
peak_29242	chr18	8237030	8237431	-39973	Intergenic	NM_001002177	impdh1a	3.340116769	5.115710632	-1.775593863	0.001634
peak_27173	chr9	32393875	32394347	78573	Intergenic	NM_131558	zic2a	4.792204096	6.567943546	-1.77573945	0.000825
peak_28419	chr5	27038871	27039304	-17391	Intergenic	NM_001082856	rorb	5.027243529	6.803166459	-1.775922931	0.001257
peak_22941	chr13	26206441	26207105	129676	Intergenic	NM_001040391	bcl11aa	5.230541675	7.006530595	-1.77598892	0.000165
peak_21066	chr24	5245461	5246007	-71739	Intergenic	NM_001007377	plod2	5.715446952	7.491470817	-1.776023865	6.92E-05
peak_20350	chr24	42788040	42789083	71842	exon (NM_001045123_1, exon 11 of 23)	NM_001045123	scn12ab	7.439057394	9.215120608	-1.776063214	4.95E-05
peak_38556	chr7	12941220	12941519	-56776	Intergenic	NM_001080993	mex3b	3.157090365	4.933474898	-1.776384533	0.014117
peak_26937	chr15	13231378	13231704	88254	Intergenic	NM_199847	fxyd6	3.594783512	5.371263706	-1.776480194	0.000763
peak_33999	chr19	43023991	43024610	-213177	Intergenic	NM_001044975	gatad2b	4.913411094	6.689971846	-1.776560753	0.00552
peak_20947	chr4	23691847	23692297	459571	Intergenic	NM_131211	gata3	5.741618051	7.51821481	-1.776596759	6.52E-05
peak_34815	chr25	34734392	34734731	100967	Intergenic	NM_001172680	zgc:136826	4.045449734	5.822223335	-1.776773602	0.006575
peak_26545	chr23	33801436	33801896	-29837	Intergenic	NM_001004288	itga5	4.412286634	6.189232571	-1.776945936	0.000663
peak_20220	chr23	14439847	14440517	75747	intron (NM_001113646, intron 3 of 6)	NM_001113646	nkain4	6.025239184	7.802206259	-1.776967074	4.63E-05
peak_26601	chr21	22276631	22277302	-115422	Intergenic	NM_200141	zw10	5.425166033	7.202162221	-1.776996189	0.000676
peak_30802	chr10	13731307	13731760	5104	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	3.044039864	4.821092039	-1.777052175	0.002492
peak_35042	chr16	52826747	52827199	223658	Intergenic	NM_001201489	efhb	4.371320339	6.14837735	-1.777057011	0.006934
peak_23730	chr6	22568546	22569184	-26018	Intergenic	NM_001098754	igfbp5b	4.774593768	6.551706538	-1.777112771	0.000229
peak_22121	chr18	6322496	6322999	86666	Intergenic	NM_001281989	vwf	4.500574775	6.277723972	-1.777149197	0.000115
peak_23375	chr7	8004304	8004941	138149	Intergenic	NM_205544	actn3b	5.696044874	7.473266548	-1.777221674	0.000196
peak_42858	chr8	53925229	53925752	-11448	Intergenic	NM_131436	npy8br	3.17667448	4.95391129	-1.77723681	0.027928
peak_30367	chr21	43098519	43098945	70790	Intergenic	NM_131826	spry4	3.808033224	5.585388153	-1.777354929	0.002233
peak_30528	chr16	53133174	53133598	81944	Intergenic	NM_200970	rab5ab	3.607465695	5.384867406	-1.777401711	0.002323
peak_27087	chr13	40162132	40162549	-111033	Intergenic	NM_001202417	marveld1	4.317074445	6.09450522	-1.777430775	0.000801
peak_33461	chr17	11327059	11327434	-24046	Intergenic	NM_001030187	psma3	4.093967964	5.871453079	-1.777485115	0.004882
peak_34518	chr19	37808903	37809311	461054	Intergenic	NM_131814	angpt2b	4.209200867	5.986797918	-1.777597051	0.006211
peak_20934	chr21	12804415	12805348	89335	Intergenic	NM_001172564	ehmt1b	6.536627792	8.314487398	-1.777859606	6.50E-05
peak_21853	chr18	12696543	12697097	-16072	Intergenic	NM_001044965	tldc1	5.60704099	7.385093471	-1.77805248	0.000102
peak_35592	chr23	7951764	7952143	167667	Intergenic	NM_001100145	kif3b	3.646715745	5.425006878	-1.778291133	0.007834
peak_29848	chr1	54039981	54040389	-8925	Intergenic	NM_212840	b3gnt2a	3.695146922	5.473584142	-1.77843722	0.001938
peak_28470	chr23	38159959	38160184	-92869	Intergenic	NM_001020707	zgc:112994	3.385125888	5.163726404	-1.778600515	0.001276
peak_35587	chr1	22900422	22900794	50127	Intergenic	NM_152975	mab21l2	3.492783688	5.271554845	-1.778771156	0.007824
peak_18752	chr13	19824608	19825290	103492	Intergenic	NM_001002536	fam204a	6.091049431	7.869826371	-1.77877694	2.05E-05
peak_26954	chr18	8092085	8092750	-47907	Intergenic	NM_001128535	si:ch211-220f12.	5.000666855	6.779523975	-1.77885712	0.000765
peak_20108	chr25	31821857	31822614	212574	Intergenic	NR_030401		5.343911102	7.122808402	-1.778897301	4.39E-05
peak_32730	chr21	31210428	31210747	-6691	Intergenic	NM_001033921	gfpt2	3.758438756	5.53742569	-1.778986934	0.004115
peak_24603	chr7	47965043	47965470	335663	Intergenic	NM_130995	ccne1	4.759250818	6.538447108	-1.77919629	0.00033
peak_30280	chr10	35929909	35930288	775	exon (NM_001113658, exon 2 of 8)	NM_001113658	spg20a	4.238750704	6.018013226	-1.779262522	0.002181
peak_38752	chr8	35759854	35760658	-108502	Intergenic	NM_001003742	hpdb	2.426730103	4.206036091	-1.779305988	0.014607
peak_24891	chr18	18368479	18369644	-3389	intron (NM_001004012, intron 3 of 5)	NM_213503_1	sf3b3	5.170618565	6.949977629	-1.779359064	0.000373
peak_32740	chr7	38326741	38327430	306164	Intergenic	NR_036681		5.129055854	6.908461326	-1.779405472	0.004125
peak_37111	chr12	6069051	6069339	8664	Intergenic	NM_131322	dlx3b	2.815860363	4.595273157	-1.779412794	0.010801
peak_35807	chr14	48090548	48090938	54552	Intergenic	NM_001080662	shisa3	4.846075989	6.62551753	-1.779441541	0.008217
peak_20818	chr21	15987401	15987900	6357	Intergenic	NM_001018132	barhl1b	5.2704584	7.049979793	-1.779521393	6.16E-05
peak_25090	chr2	28261002	28262279	-118280	intron (NM_001013520, intron 3 of 15)	NM_200331	zgc:56556	6.547065396	8.326628064	-1.779562669	0.000401
peak_26786	chr16	1041888	1042387	221487	Intergenic	NM_207185	irx1a	4.690897074	6.47059259	-1.779695516	0.000725
peak_41666	chr16	7901336	7901602	-62868	Intergenic	NR_023328		3.188780911	4.96861052	-1.779829608	0.023493
peak_22573	chr13	26266879	26267256	189970	Intergenic	NM_001040391	bcl11aa	4.783449089	6.563290475	-1.779841387	0.00014
peak_27396	chr2	51572715	51573136	25162	Intergenic	NM_001007784	crygn1	3.774593768	5.554509234	-1.779915466	0.000892
peak_22853	chr24	4790477	4790903	54714	Intergenic	NM_001110021	cpb1	4.847604011	6.627579922	-1.779975911	0.000158
peak_29840	chr3	53650131	53650439	12301	intron (NM_131447, intron 2 of 7)	NM_131447	pbx4	3.389328476	5.169345251	-1.780016775	0.001935
peak_23754	chr3	49029401	49029732	-351964	Intergenic	NM_001110108	fn3krp	4.342286181	6.122389774	-1.780103594	0.000231
peak_27976	chr3	12409089	12409467	41458	intron (NM_001042778, intron 9 of 11)	NM_200509	cyp2k6	4.30822336	6.088344225	-1.780120866	0.001096
peak_26241	chr17	4726427	4727263	-102104	Intergenic	NM_201084	cdc5l	4.933059868	6.713209931	-1.780150062	0.000598
peak_36025	chr16	26332594	26333026	41999	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	3.629054199	5.409322146	-1.780267947	0.008573
peak_30194	chr1	25156903	25157295	123763	Intergenic	NM_205662	ppa2	4.138412798	5.918696345	-1.780283547	0.002143
peak_17038	chr8	23975456	23977033	-427	promoter-TSS (NR_030064)	NR_030064		8.271387871	10.05169557	-1.780307696	7.18E-06
peak_28862	chr6	27686585	27687004	-13451	Intergenic	NM_001080177	amotl2a	4.673721122	6.454064241	-1.780343119	0.001449
peak_39013	chr14	28732821	28733137	318842	Intergenic	NM_200569	tsc22d3	2.324838852	4.105260116	-1.780421264	0.015297
peak_25397	chr18	12502939	12503696	96369	Intergenic	NM_001075112	tmem5	6.34986926	8.130317091	-1.78044783	0.000449
peak_23024	chr18	19969973	19970550	-37257	Intergenic	NM_131012	gro2	4.687488159	6.468460266	-1.780972107	0.000171
peak_32836	chr20	40031255	40031908	-216836	Intergenic	NM_001082853	rnf217	4.746154871	6.527287501	-1.78113263	0.004209
peak_33892	chr25	10858059	10858512	-17231	exon (NM_001177458, exon 21 of 21)	NM_199684	ppp6r3	4.118224803	5.899433639	-1.781208835	0.005391

peak_32243	chr9	10892054	10892475	-25471	Intergenic	NM_131834	cxcr4b	4.252657886	6.033888981	-1.781231095	0.003639
peak_34104	chr17	33116488	33116733	-47602	Intergenic	NM_131405	prox1a	3.620141679	5.401600392	-1.781458712	0.005651
peak_31046	chr14	18600274	18600590	-13444	Intergenic	NM_001013573	acrc	3.798584256	5.580084423	-1.781500167	0.002648
peak_19096	chr4	25433221	25433854	-80738	Intergenic	NM_001002629	tnni1d	6.024901573	7.806727004	-1.781825431	2.50E-05
peak_20614	chr10	32427754	32428585	25027	intron (NM_131482, intron 2 of 26)	NM_131482	robo3	6.801323604	8.583161625	-1.781838022	5.62E-05
peak_24762	chr4	27033680	27034175	159884	intron (NM_214799, intron 11 of 13)	NM_214799	tbc1d22a	5.436379502	7.218254861	-1.78187536	0.000353
peak_16525	chr8	30821042	30824047	118489	Intergenic	NM_200364	hsd17b3	10.0151652	11.79709086	-1.781925658	5.35E-06
peak_26807	chr16	44577886	44578218	-339	promoter-TSS (NM_001128816)	NM_001128816	LOC100006761	3.440971353	5.223049079	-1.782077726	0.000732
peak_21163	chr17	6985650	6986575	114513	Intergenic	NM_001023572	zbtb24	6.274172697	8.056312606	-1.78213991	7.27E-05
peak_22411	chr12	38518516	38518986	8924	intron (NM_001080568, intron 1 of 1)	NM_001080568	hs3st3b1b	4.678930464	6.461107654	-1.78217719	0.000131
peak_32603	chr18	10206090	10206450	-44820	Intergenic	NM_200321	rbm28	4.142153178	5.924401438	-1.78224826	0.00398
peak_25197	chr18	8278168	8278779	1270	intron (NM_001002177, intron 2 of 15)	NM_001002177	impdh1a	5.179139309	6.961702757	-1.782563447	0.000415
peak_36162	chr16	27892798	27893416	10018	intron (NM_213444, intron 1 of 8)	NM_213444	derl1	5.157126311	6.93977	-1.782643689	0.008865
peak_25591	chr21	9288434	9288838	-2948	intron (NM_001080201, intron 1 of 5)	NM_131227	rx3	4.572725943	6.35540564	-1.782679697	0.000479
peak_24198	chr14	32891677	32892979	177	exon (NM_001001837, exon 1 of 2)	NM_001001837	zic6	6.388510804	8.171233825	-1.782723022	0.000281
peak_27003	chr13	1152422	1152791	27409	Intergenic	NM_001110393	olig3	4.160782694	5.943585857	-1.782803164	0.000779
peak_30509	chr13	26255337	26255746	178444	Intergenic	NM_001040391	bcl11aa	4.375563276	6.158389336	-1.78282606	0.002317
peak_20271	chr20	42164325	42164893	108551	Intergenic	NM_001002356	nus1	5.51076527	7.293600429	-1.782835159	4.76E-05
peak_26576	chr16	509509	510111	60324	Intergenic	NM_201057	irx2a	4.639677051	6.422541063	-1.782864013	0.000668
peak_23764	chr8	29445627	29446068	4056	Intergenic	NM_130972	par1	4.813516677	6.596441746	-1.782925069	0.000232
peak_26375	chr13	22082649	22083218	116625	Intergenic	NM_001145707	zswim8	5.008201301	6.791193835	-1.782992534	0.000627
peak_42254	chr5	52698790	52699163	10750	Intergenic	NM_001017911	ankrd31	2.234016866	4.017047722	-1.783030856	0.025471
peak_21012	chr23	23951941	23953269	172605	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	6.918359036	8.701559012	-1.783199976	6.75E-05
peak_41743	chr5	14945712	14946013	38789	Intergenic	NM_001002703	snrnp27	2.815860363	4.599137753	-1.78327739	0.023794
peak_17273	chr15	17289838	17290981	-106683	Intergenic	NM_001039638	or131-2	8.181488865	9.964849636	-1.783360771	8.40E-06
peak_31585	chr14	45037116	45037736	328410	Intergenic	NM_182885	pcdh10b	4.280142431	6.063552685	-1.783410254	0.003072
peak_34268	chr16	7316945	7317355	141629	Intergenic	NM_131059	ctnnb1	4.165691145	5.94912311	-1.783431965	0.005861
peak_29731	chr4	804700	805351	-42071	Intergenic	NM_001037388	zgc:123333	4.154623552	5.938434628	-1.783811076	0.001878
peak_37729	chr4	45388486	45389291	-130551	Intergenic	NM_001128300	LOC100008037	3.025258877	4.809258568	-1.783999691	0.012108
peak_21167	chr22	21399440	21400206	-32783	Intergenic	NM_001202512	ssbp4	6.104249767	7.888448556	-1.784198789	7.30E-05
peak_35501	chr21	6402994	6403293	-305061	Intergenic	NM_001003486	olfm1b	3.408090078	5.192399012	-1.784308934	0.007669
peak_40492	chr4	32715404	32716103	-315655	intron (NM_001109867, intron 2 of 3)	NM_001126485	LOC100006564	1.812734601	3.597052404	-1.784317803	0.019568
peak_34136	chr14	41085940	41086217	-558518	Intergenic	NM_131782	glra4a	3.410159719	5.194490512	-1.784330793	0.005689
peak_20526	chr9	57112508	57113253	21831	intron (NM_001082994, intron 4 of 14)	NM_001082994	tbl1x	6.644300065	8.428791752	-1.784491687	5.36E-05
peak_23246	chr13	445273	445911	-40649	intron (NM_001034968, intron 20 of 37)	NM_213484	nvl	4.807248169	6.591814265	-1.784566095	0.000186
peak_22607	chr16	53987783	53988264	24301	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	5.083593445	6.868183462	-1.784590016	0.000142
peak_24631	chr9	27139889	27140570	3070	intron (NM_131023, intron 1 of 4)	NM_131023	efnb2a	5.002039684	6.786697377	-1.784657693	0.000335
peak_16928	chr7	53987808	53988921	25194	intron (NM_214816, intron 7 of 12)	NM_214816	tcf12	8.331587217	10.11628221	-1.784694996	6.77E-06
peak_35458	chr1	35285284	35285634	76374	exon (NM_213357, exon 3 of 9)	NM_001137659	frem3	3.625495796	5.410200748	-1.784704952	0.00758
peak_23694	chr17	35979022	35979829	79310	Intergenic	NM_131336	sox11a	5.2920083	7.076755626	-1.784747327	0.000225
peak_27554	chr21	40339926	40340382	-4710	Intergenic	NM_001030122	ppp2r2bb	4.817466197	6.602264662	-1.784798465	0.000944
peak_29921	chr10	14840843	14841184	117220	Intergenic	NM_131366	smad2	4.353084575	6.138001387	-1.784916811	0.001979
peak_32997	chr18	42280463	42280855	114149	Intergenic	NM_001005575	bcl9l	3.871171366	5.656147792	-1.784976426	0.004395
peak_24301	chr25	2347226	2347663	-28348	Intergenic	NM_001031669	mrps35	6.065960951	7.850989657	-1.785028706	0.000293
peak_24337	chr22	13120466	13121228	-55813	intron (NM_001024816, intron 10 of 10)	NM_001083056	mfsd6a	5.786638878	7.571868442	-1.785229564	0.000297
peak_32767	chr25	34974978	34975455	78811	intron (NM_001110167, intron 1 of 9)	NM_001110167	roraa	3.438945476	5.224209713	-1.785264238	0.004141
peak_28125	chr1	23991910	23992222	42385	Intergenic	NM_001130587	tmem154	3.720483721	5.505982982	-1.78549926	0.00115
peak_32481	chr9	2071633	2071918	59994	Intergenic	NM_199480	lnpa	3.484950298	5.270486927	-1.785536628	0.003872
peak_42850	chr17	8227266	8227644	-74516	Intergenic	NM_130961	lft2	3.17667448	4.962282146	-1.785607666	0.027873
peak_31400	chr13	30732852	30733298	2692	intron (NM_001113339, intron 2 of 21)	NM_001113339	zmiz1a	4.336856522	6.122693399	-1.785836876	0.002914
peak_24235	chr15	30053964	30054396	59846	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	4.668543337	6.454494493	-1.785951156	0.000285
peak_33206	chr22	14110987	14111263	-11170	Intergenic	NM_001017749	arl4ca	3.658951426	5.445027952	-1.786076526	0.004607
peak_24569	chr10	34123872	34124401	-2517	Intergenic	NM_001017871	myl10	4.912681351	6.698852342	-1.786170991	0.000326
peak_38825	chr10	40260217	40260720	91788	intron (NM_001030224, intron 12 of 32)	NM_001166122	pcp4a	4.205700064	5.991963684	-1.786263619	0.014822
peak_27505	chr17	31122160	31122488	-4242	Intergenic	NM_001193598	eml1	3.963015635	5.749313078	-1.786297444	0.000928
peak_28506	chr13	45772550	45773013	2501	intron (NM_131604, intron 2 of 8)	NM_131604	runx3	4.533280767	6.319596952	-1.786316185	0.001293
peak_27193	chr25	25096977	25097606	123704	Intergenic	NM_001013512	tmem86a	5.375563276	7.161970829	-1.786407553	0.00083
peak_23442	chr6	25609894	25610396	77441	Intergenic	NM_212689	lmo4b	5.5290295	7.315668103	-1.786638603	0.000201
peak_18495	chr9	53171853	53173448	-258999	Intergenic	NM_001076600	tank	8.246500699	10.03319702	-1.786696321	1.78E-05
peak_32650	chr18	5370402	5370852	-133023	Intergenic	NM_001013457	gcsha	4.330250082	6.117003355	-1.786753273	0.004028
peak_16071	chr19	6944403	6945093	63087	Intergenic	NM_131684	atp1a3a	8.278148377	10.06494464	-1.786796263	3.94E-06
peak_20998	chr14	40974128	40974832	-446920	Intergenic	NM_131782	glra4a	4.745335402	6.532257585	-1.786922183	6.69E-05
peak_26826	chr13	32370247	32370644	2473	intron (NM_001006079, intron 1 of 2)	NM_001006079	osr1	3.720483721	5.507462735	-1.786979013	0.000735
peak_22123	chr6	35164662	35165263	146403	intron (NM_001256393, intron 3 of 18)	NM_001256393	apoer2	4.679788522	6.466779046	-1.786990524	0.000115
peak_24503	chr24	29732097	29732500	83478	intron (NM_001083844, intron 40 of 65)	NM_001083844	col11a1a	4.47602896	6.263494466	-1.787465506	0.000317
peak_26432	chr1	47067692	47068018	-28122	Intergenic	NM_001007327	cab39l	4.056062627	5.843646844	-1.787584217	0.000637
peak_23862	chr5	31648935	31649451	11941	Intergenic	NR_030068		5.481481062	7.269258106	-1.787777044	0.000243
peak_42163	chr4	5451816	5452100	19115	Intergenic	NM_001044855	vegfab	2.818979367	4.6068444	-1.787865034	0.0252
peak_28550	chr8	52671032	52671520	-26900	Intergenic	NM_001002419	entpd4	4.325935514	6.113853375	-1.787917861	0.00131
peak_22371	chr1	55460468	55461036	9838	intron (NM_001017566, intron 1 of 4)	NM_001017566	golga7ba	5.27216622	7.060086925	-1.787920705	0.000129
peak_22540	chr11	32159111	32159850	-46090	Intergenic	NM_001201559	im:7137555	5.328094411	7.116075451	-1.78798104	0.000138
peak_27705	chr6	25618093	25618919	69080	Intergenic	NM_212689	lmo4b	5.304301409	7.092370106	-1.788068697	0.000992
peak_24078	chr2	33695128	33696475	15338	intron (NM_130988, intron 12 of 19)	NM_130988	ptch2	5.607942874	7.396184375	-1.788241501	0.000266
peak_32561	chr17	31134920	31135218	-16987	Intergenic	NM_001193598	eml1	3.632603848	5.420939467	-1.788335619	0.003945
peak_34530	chr24	8199391	8199881	-90138	Intergenic	NM_001030066	bloc1s5	4.208011743	5.996532852	-1.788521109	0.006226
peak_34987	chr14	31161016	31161534	18751	Intergenic	NM_001006088	asah1a	5.946313055	7.734950481	-1.788637426	0.006847
peak_28607	chr17	19593327	19593959	133218	Intergenic	NM_001002541	rgs7	4.649397536	6.438139238	-1.788741702	0.001336
peak_17774	chr2	44851560	44852686	-13049	Intergenic	NM_001162502	ncapd2	8.597230012	10.38603081	-1.788800803	1.19E-05
peak_31917	chr21	19596840	19597075	-2033	Intergenic	NM_001077150	oxct1b	3.208081142	4.997031784	-1.788950642	0.003361
peak_23049	chr13	43498102	43498442	83097	intron (NM_214809, intron 5 of 68)	NM_214809	cdh23	4.033337828	5.822399763	-1.789061935	0.000173
peak_23895	chr8	25774735	25775261	43253	Intergenic	NM_001195196	kcnc4	5.527123657	7.31629462	-1.789170963	0.000246
peak_25777	chr10	17483406	17483892	66	promoter-TSS (NR_030078)	NR_030078		4.875671743	6.664901716	-1.789229973	0.000509
peak_37969	chr13	16966961	16967546	395621	Intergenic	NM_001145600	kcnma1a	3.790662565	5.579999114	-1.789336549	0.012685
peak_21099	chr9	53618363	53618918	322971	Intergenic	NM_001030165	Mar-04	4.865859134	6.655331745	-1.789472611	7.03E-05
peak_30409	chr19	42755125	42755664	-264545	Intergenic	NM_001013293	chrac1	4.00478143	5.794279473	-1.789498043	0.002258
peak_31735	chr23	28503123	28503552	-62642	Intergenic	NM_145195	birc5b	4.357381403	6.146904902	-1.789523499	0.003204
peak_22365	chr14	1780180	1781084	6590	Intergenic	NM_001024185	pcdh2g13	5.528076893	7.317612216	-1.789535322	0.000128
peak_27552	chr13	31003334	31003678	-24494	Intergenic	NM_178307	cxcl12a	4.628113554	6.417679001	-1.789565447	0.000943
peak_22575	chr6	44036603	44037390	55547	intron (NM_001080600, intron 11 of 11)	NM_001080600	shq1	6.356086992	8.145707569	-1.789620577	0.00014
peak_37130	chr22	24890225	24890461	64817	exon (NM_001003617, exon 5 of 10)	NM_001003617	nek7	2.874173177	4.663824323	-1.789651146	0.010834
peak_21770	chr22	12585729	12586372	25073	Intergenic	NM_199522	rnd3a	5.102312334	6.891972005	-1.789659671	9.74E-05
peak_18171	chr13	46938432	46939032	101885	intron (NM_178303, intron 11 of 17)	NM_001243004	fgfr2	6.504468724	8.294280757	-1.789812033	1.50E-05
peak_18422	chr21	36524455	36525012	-4906	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	7.046565818	8.836425593	-1.789859774	1.71E-05
peak_28536	chr20	32914424	32914880	119008	intron (NM_001044807, intron 49 of 52)	NM_200618	fam84a	4.163239007	5.953201811	-1.789962804	0.001303
peak_22712	chr21	30576751	30577240	226764	Intergenic	NM_001098766	zgc:165573	5.652460506	7.44250648	-1.790045974	0.000148
peak_24901	chr13	13157378	13158038	-2081	Intergenic	NM_131606	fgfr3	5.072490541	6.862584417	-1.790093876	0.000374
peak_26767	chr5	37947815	37948139	-19126	Intergenic	NM_131805	efnb1	4.165691145	5.955792648	-1.790101503	0.00072
peak_28019	chr18	13459961	13460301	400740	Intergenic	NM_001089503	mlycd	3.678071896	5.468276365	-1.790204469	0.001111
peak_20162	chr16	35906263	35908123	416	exon (NM_131161, exon 1 of 1)	NM_131161	pou3f1	8.498820381	10.28904741	-1.790227028	4.49E-05
peak_31118	chr20	27361154	27361549	49898	Intergenic	NM_001045071	serpina10a	3.627276095	5.417532596	-1.790256502	0.002696
peak_33589	chr16	49112771	49113153	117858	Intergenic	NM_001077744	otud7b	3.26649893	5.056799233	-1.790300304	0.005011
peak_33112	chr18	23461832	23462167	197066	Intergenic	NM_131183	nr2f2	3.589313976	5.379669552	-1.790355576	0.004523
peak_29112	chr5	51634522	51634968	107172	intron (NM_200418, intron 5 of 6)	NM_131180	nr2f1a	5.069258093	6.859649571	-1.790391478	0.001564
peak_25191	chr20	5871287	5872031	216070	intron (NM_001080047, intron 14 of 19)	NM_001089536	cep128	4.952403202	6.742800556	-1.790397354	0.000415
peak_30745	chr2	4913599	4913909	-10726	Intergenic	NM_001012388	dlg1l	2.961605146	4.752123186	-1.79051804	0.002455

peak_19490	chr17	10278387	10278972	4592	Intergenic	NM_131284	foxa1	5.964776808	7.75530127	-1.790524462	3.07E-05
peak_20316	chr16	45078767	45079609	-1742	Intergenic	NM_001039979	ppox	6.583109104	8.37374144	-1.790632336	4.86E-05
peak_18406	chr14	48318929	48319683	29085	Intergenic	NM_200265	ttc9c	6.652653544	8.443302427	-1.790648883	1.70E-05
peak_22118	chr6	54321592	54322222	-18181	Intergenic	NM_001013542	zgc:101577	5.554569534	7.345265412	-1.790695877	0.000115
peak_39244	chr7	59993742	59994551	-2467	intron (NM_213204, intron 2 of 3)	NM_213188	zgc:56231	4.26649893	6.05727734	-1.79077841	0.015943
peak_24923	chr12	12090043	12090348	-96626	Intergenic	NM_131406	raraa	3.636144784	5.427078714	-1.79093393	0.000376
peak_41668	chr5	58228042	58228330	105745	Intergenic	NM_001007340	ppm1db	3.25733105	5.048273239	-1.790942189	0.023518
peak_33123	chr18	10234264	10234681	-73022	Intergenic	NM_200321	rbm28	3.516031849	5.306985903	-1.790954054	0.004532
peak_29205	chr4	16559612	16559957	-32730	Intergenic	NM_001045096	recql	4.140907462	5.932239744	-1.791332282	0.00161
peak_19443	chr17	33054822	33056509	13343	intron (NM_131405, intron 2 of 3)	NM_131405	prox1a	7.692623316	9.484198881	-1.791575565	2.99E-05
peak_27421	chr14	36988001	36988501	19507	intron (NM_131895, intron 2 of 15)	NM_131895	gria2b	4.819803481	6.61142034	-1.79161686	0.000899
peak_25279	chr6	14626078	14626613	-223665	Intergenic	NM_201447	pou3f3b	4.244561664	6.036296053	-1.791734388	0.000429
peak_20746	chr18	41551587	41552370	160843	intron (NM_001167569, intron 4 of 5)	NM_001167569_1	pvrl1b	5.684498737	7.476380893	-1.791882156	5.97E-05
peak_34028	chr24	17648850	17649097	30448	intron (NM_001128702, intron 1 of 9)	NM_001128702	pip4k2aa	3.540911861	5.332981298	-1.792069436	0.005553
peak_19424	chr2	1464575	1465270	25223	Intergenic	NR_111928_1		7.258573552	9.050646064	-1.792072512	2.97E-05
peak_31992	chr9	12138334	12138711	171896	Intergenic	NM_001122701	znf804a	3.981308804	5.773386522	-1.792077718	0.003421
peak_30279	chr18	8680191	8680674	44051	intron (NM_131048, intron 8 of 17)	NM_131048	sema3d	4.602096932	6.394233425	-1.792136493	0.00218
peak_28204	chr21	9267012	9267329	-8191	intron (NM_001080201, intron 1 of 5)	NM_001077300	cplx4a	3.875671743	5.667929331	-1.792257588	0.001176
peak_18965	chr3	63169276	63171227	14201	Intergenic	NM_131644	sox9b	6.960006394	8.75230937	-1.792302976	2.32E-05
peak_36181	chr21	30601987	30602621	201455	Intergenic	NM_001098766	zgc:165573	4.705344933	6.497762526	-1.792417593	0.008892
peak_22907	chr12	32738510	32739199	51434	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	6.108398356	7.90082469	-1.792426334	0.000162
peak_23197	chr9	57183755	57184418	-49375	Intergenic	NM_001082994	tbl1x	5.569488729	7.361929615	-1.792440886	0.000183
peak_28324	chr10	36997592	36998035	-124049	Intergenic	NM_001020555	ovca2	4.25726398	6.049755771	-1.792491791	0.001223
peak_22497	chr14	1966110	1967078	-133011	Intergenic	NM_001111171	etf1a	6.353922569	8.146465648	-1.792543079	0.000135
peak_29359	chr1	52561010	52561450	62121	Intergenic	NM_001003739	rad23aa	4.623713297	6.416312413	-1.792599116	0.001688
peak_28106	chr24	41780616	41781061	-198460	Intergenic	NM_001077598	aoc1	4.719600856	6.512302484	-1.792701628	0.001143
peak_23531	chr12	44204049	44205127	78050	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	5.896880414	7.68975166	-1.792871246	0.000209
peak_33951	chr18	1252751	1253364	-55068	Intergenic	NM_198912	pepd	4.187645218	5.980518182	-1.792872963	0.00547
peak_26166	chr18	17599028	17599758	-60662	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	6.274189269	8.067135653	-1.792946384	0.000583
peak_19864	chr1	35460418	35461032	-37472	Intergenic	NM_001080012	hhip	5.672022415	7.465056971	-1.793034556	3.80E-05
peak_20751	chr10	10204669	10205863	90184	Intergenic	NR_029938		6.768165222	8.561200301	-1.793035078	5.98E-05
peak_42728	chr2	56438030	56438529	55750	intron (NM_213474, intron 20 of 23)	NM_213474	upf1	0.95594936	2.749080627	-1.793131267	0.027401
peak_39714	chr13	16451688	16451968	59929	intron (NM_001145603, intron 4 of 31)	NM_001145603	dlg5a	3.745383221	5.538605053	-1.793221832	0.017179
peak_32554	chr9	48828229	48828641	53483	Intergenic	NM_001003480	zgc:92380	4.180387832	5.973730944	-1.793343111	0.003939
peak_20754	chr17	53340015	53340470	-6955	Intergenic	NM_131896	meis2a	5.127133121	6.920484267	-1.793351146	5.99E-05
peak_38002	chr8	31967321	31967904	22	promoter-TSS (NM_001126437)	NM_001126437	syn1	3.854460154	5.647815097	-1.793354944	0.012758
peak_16845	chr6	57615472	57616779	-11021	Intergenic	NM_001076592	zgc:153702	8.504714396	10.29808921	-1.793374819	6.47E-06
peak_24106	chr10	4104493	4106844	51590	Intergenic	NM_200920	pitpnb	6.980244081	8.773653976	-1.793409895	0.000269
peak_18358	chr19	1886877	1888042	20458	intron (NM_198819, intron 1 of 28)	NM_198819	ptk2aa	6.265322777	8.058774847	-1.793452069	1.66E-05
peak_17417	chr18	17711049	17711798	51368	intron (NM_001080164, intron 5 of 5)	NM_001080164	si:ch211-212o1.2	7.011813279	8.805380557	-1.793567278	9.23E-06
peak_32660	chr17	9533149	9533417	261538	Intergenic	NM_213310	egln3	3.280142431	5.074000251	-1.79385782	0.004032
peak_22605	chr9	2217397	2218022	-111280	Intergenic	NM_201176	atp5g3a	4.639677051	6.433594748	-1.793917697	0.000142
peak_34662	chr8	2699500	2699894	5249	intron (NM_213052, intron 2 of 10)	NM_213052	acaa2	2.953113131	4.747229628	-1.794116496	0.006399
peak_28882	chr4	25502343	25503194	-11507	Intergenic	NM_001002629	tnni1d	6.193382396	7.987666128	-1.794283732	0.001456
peak_29635	chr10	19060985	19061295	13635	Intergenic	NM_001004006	tmem230a	3.730456497	5.524744311	-1.794287814	0.001824
peak_32490	chr10	33093134	33093607	34236	Intergenic	NM_131076	wnt11r	4.42775201	6.222062645	-1.794310634	0.003882
peak_27558	chr7	23780950	23781426	-2169	Intergenic	NM_001002340	cldn7a	4.578258609	6.372650314	-1.794391705	0.000945
peak_29344	chr18	47228309	47228620	31816	Intergenic	NM_131424	clns1a	3.554074368	5.348471998	-1.79439763	0.001682
peak_30038	chr24	41710851	41711208	-128651	Intergenic	NM_001077598	aoc1	3.559678887	5.354127648	-1.794448761	0.002045
peak_21354	chr13	32504833	32505342	137115	Intergenic	NM_001006079	osr1	5.341744134	7.136224945	-1.794480811	7.96E-05
peak_40863	chr16	53864746	53865084	48597	Intergenic	NM_001289794	hamp	3.261922272	5.056475358	-1.794553086	0.020762
peak_31068	chr5	30380134	30380502	-28022	Intergenic	NM_001089515	zgc:162228	4.006150351	5.800789646	-1.794639294	0.002663
peak_28092	chr8	10490660	10490984	78125	intron (NM_001126470, intron 1 of 5)	NM_001126470	kcnd1	4.403941868	6.198732157	-1.79479029	0.001137
peak_18226	chr3	53786617	53787915	33072	intron (NM_001111281, intron 2 of 19)	NM_001111281	brd4	8.38490557	10.17986365	-1.794958077	1.55E-05
peak_26751	chr14	36373534	36374253	-153495	Intergenic	NM_001003412	clint1a	5.375033591	7.170006453	-1.794972862	0.000715
peak_40016	chr5	65308158	65308792	68070	Intergenic	NM_212616_1	zgc:85789	1.818979367	3.613965932	-1.794986565	0.018067
peak_25486	chr3	59382572	59383383	58915	Intergenic	NM_001122620	zgc:171489	6.518953663	8.314134976	-1.795181313	0.000462
peak_26686	chr23	40846581	40846911	-36487	Intergenic	NM_199854	rnf146	4.09267992	5.887864424	-1.795184504	0.000697
peak_34935	chr8	40496227	40496849	-597544	Intergenic	NM_001083829	pcsk5b	2.809602052	4.604874703	-1.79527265	0.006777
peak_29469	chr4	3079214	3079628	145040	Intergenic	NM_213306	pik3cg	4.329220506	6.124508812	-1.795288306	0.00174
peak_19040	chr5	38528642	38529651	-3758	Intergenic	NM_152940	crx	6.142482595	7.937852906	-1.795370311	2.44E-05
peak_22404	chr21	7985747	7987079	26689	exon (NM_001045299, exon 2 of 13)	NM_001045299	crb2a	5.656389079	7.452049332	-1.795660253	0.00013
peak_22522	chr5	74715049	74715755	119416	Intergenic	NM_001003993	ak1	5.38985294	7.185573295	-1.795720355	0.000136
peak_21807	chr24	8487431	8487971	42913	Intergenic	NM_176859	tfap2a	5.708711963	7.504470725	-1.795758762	9.95E-05
peak_25615	chr16	29868715	29869532	25847	Intergenic	NM_001005978	gliprl2l	4.94738232	6.743159951	-1.795777631	0.000483
peak_29544	chr5	17900563	17900971	19733	Intergenic	NM_001004541	zgc:92445	4.377680074	6.173556753	-1.795876679	0.001783
peak_21983	chr15	39187456	39187960	-3584	Intergenic	NM_001077577	fat3a	5.050063769	6.846051928	-1.795988158	0.000108
peak_34142	chr7	17253277	17253836	-26737	Intergenic	NM_001008650	zdhhc13	4.951692923	6.747696898	-1.796003975	0.005694
peak_28662	chr3	13411858	13412307	106945	Intergenic	NM_001018135	sun1	4.582853012	6.378918248	-1.796065237	0.001353
peak_41119	chr4	33786889	33787207	397817	intron (NM_001114585_1, intron 7 of 12)	NM_001114585_1	zgc:174944	1.215200887	3.011335618	-1.796134731	0.021747
peak_21402	chr4	22894255	22894810	4977	intron (NM_194401, intron 1 of 11)	NM_194401	celf2	5.09267992	6.888868113	-1.796188193	8.15E-05
peak_21527	chr13	470548	472285	38777	intron (NM_001034968, intron 4 of 37)	NM_001034968	slit1a	6.285789361	8.082010238	-1.796220877	8.66E-05
peak_35794	chr1	16412193	16412614	-6254	Intergenic	NM_214702	slc25a4	4.530484981	6.326837868	-1.796352887	0.008195
peak_18389	chr17	30433372	30434423	-75444	Intergenic	NM_001044353	lpin1	8.419303823	10.21581697	-1.796513148	1.69E-05
peak_29315	chr6	46006055	46006617	-120060	Intergenic	NM_201476	tardbp	4.825197218	6.621957816	-1.796760598	0.001673
peak_25099	chr24	33483209	33483695	101777	Intergenic	NM_131872	vim	4.347695481	6.144482943	-1.796787462	0.000402
peak_19225	chr21	35487476	35487925	60133	Intergenic	NM_001002503	ndfip1l	5.284661742	7.081476496	-1.796814754	2.67E-05
peak_32453	chr16	25618623	25619166	-3763	Intergenic	NM_001045362	krtcap2	4.242240088	6.0390949	-1.796854812	0.003843
peak_23782	chr1	22517949	22518310	-40870	Intergenic	NM_131735	slit2	4.568099124	6.364968413	-1.796869288	0.000235
peak_19973	chr19	44720582	44721402	80439	Intergenic	NM_001277131	pum1	7.087830059	8.88489775	-1.79706769	4.06E-05
peak_28491	chr10	46265157	46266001	14908	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	4.252657886	6.049814695	-1.797156809	0.001286
peak_19816	chr11	22837231	22837764	93544	intron (NM_001199491, intron 3 of 17)	NM_001199491	foxp4	5.742463591	7.539705189	-1.797241598	3.69E-05
peak_28319	chr7	16067269	16067592	-14936	intron (NM_001082995, intron 9 of 12)	NM_131552	mespba	3.982700169	5.779979394	-1.797279225	0.00122
peak_23638	chr5	52178646	52179006	289008	Intergenic	NM_001135983	zgc:194908	4.699433654	6.49671602	-1.797282366	0.000218
peak_18032	chr18	34610911	34612897	-136238	Intergenic	NM_001015066	b3gat1a	7.275450459	9.072768347	-1.797317889	1.39E-05
peak_17889	chr5	26022450	26023216	-20214	Intergenic	NM_131822	znf703	6.756777679	8.554209839	-1.79743216	1.28E-05
peak_19902	chr13	28710585	28711249	-8202	Intergenic	NM_131281	fgf8a	6.001696599	7.799150495	-1.797453896	3.88E-05
peak_31899	chr7	10374458	10374966	250169	Intergenic	NM_001044745	aldh1a3	4.048032748	5.845495595	-1.797462847	0.003346
peak_18617	chr18	12489269	12490123	109990	Intergenic	NM_001075112	tmem5	7.597630659	9.395109559	-1.797478899	1.91E-05
peak_32283	chr24	2639253	2639515	37206	intron (NM_001105594, intron 2 of 2)	NM_001105594	fars2	3.277877455	5.075500634	-1.797623179	0.003677
peak_20134	chr17	35946925	35948252	111147	Intergenic	NM_131336	sox11a	6.682989216	8.480616213	-1.797626997	4.44E-05
peak_39933	chr7	52529053	52529476	-29332	Intergenic	NM_001123230	col4a5	4.217566349	6.015367888	-1.797801539	0.01783
peak_28706	chr23	20599490	20600175	-52789	Intergenic	NM_001243045	lamb2	4.819024807	6.616874678	-1.797849872	0.001371
peak_27233	chr8	9822604	9822965	292426	intron (NM_001098489, intron 14 of 31)	NM_001098489	plxna3	4.086222395	5.884163487	-1.797941092	0.000843
peak_34966	chr9	992780	993168	-44119	Intergenic	NM_001110451	stk24a	3.231678245	5.029723103	-1.798044858	0.006808
peak_23581	chr2	47577651	47578484	-3031	Intergenic	NM_131277	pax3a	5.153352522	6.951462326	-1.798109804	0.000213
peak_26863	chr24	747685	748092	247195	Intergenic	NM_001013480	napgl	3.800163388	5.598283512	-1.798120124	0.000744
peak_42857	chr4	10345815	10346171	-29881	Intergenic	NM_131060	sema3aa	3.250281917	5.048641754	-1.798359837	0.027921
peak_35738	chr9	15122718	15123064	-341825	Intergenic	NM_212966	nrp2b	3.662529654	5.46092178	-1.798392127	0.008109
peak_23081	chr6	14315271	14315870	-112662	Intergenic	NM_001128547	inpp4ab	5.56345742	7.361918862	-1.798461443	0.000175
peak_24280	chr11	40501787	40502559	-65611	Intergenic	NM_001040387	wnt4a	6.83665893	8.635311017	-1.798652087	0.000291
peak_34703	chr21	4378059	4378501	-40708	intron (NM_131441, intron 3 of 22)	NM_201126	rapgef1b	3.455073397	5.253822932	-1.798749535	0.006437
peak_23935	chr3	26511799	26512300	19032	intron (NM_001172397, intron 1 of 10)	NM_001172397	xylt1	5.013695992	6.812448545	-1.798752553	0.00025
peak_29708	chr10	1167932	1169098	22388	intron (NM_001114924_1, intron 2 of 4)	NM_001114924_1	bmpr1bb	5.377680074	7.17683121	-1.799151136	0.001862
peak_24976	chr17	42032717	42033162	-74957	Intergenic	NM_001098390	zgc:162576	4.347695481	6.146859639	-1.799164158	0.000385

peak_24710	chr9	18135914	18136333	163515	intron (NM_001128338, intron 37 of 44)	NM_001128338	vwa8	4.248037038	6.047311472	-1.799274433	0.000346
peak_23748	chr23	33156477	33157350	-347031	Intergenic	NR_029935		5.225815055	7.025402867	-1.799587812	0.00023
peak_35246	chr7	73329012	73329562	439212	Intergenic	NM_001020693_1	gba3	5.165042753	6.964631251	-1.799588498	0.007259
peak_23972	chr5	25854351	25855498	6683	TTS (NM_001004545)	NM_001004545	mpdu1a	6.144695774	7.944342109	-1.799646335	0.000254
peak_17361	chr1	54572594	54573626	-7118	Intergenic	NM_130954	dla	8.661125044	10.46080316	-1.799678114	8.91E-06
peak_21129	chr2	40929208	40930136	25920	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	7.29678665	9.096465197	-1.799678547	7.15E-05
peak_22110	chr23	13259069	13259806	-234316	Intergenic	NM_001282089	ndnl2	5.27957652	7.079310647	-1.799734127	0.000114
peak_24328	chr13	5133482	5133916	112247	Intergenic	NM_131893	meis1	4.231678245	6.031483172	-1.799804927	0.000296
peak_23850	chr14	3017500	3018129	20815	intron (NM_001024201_1, intron 1 of 2)	NM_001024201_1	pcdh2g29	6.48835407	8.288178886	-1.799824817	0.000242
peak_29076	chr13	24879313	24879685	-6632	Intergenic	NM_131272	msxc	3.964424746	5.764355656	-1.79993091	0.001548
peak_30386	chr2	56547733	56548357	13768	Intergenic	NM_001037113	uba52	4.254962771	6.054933289	-1.799970518	0.00224
peak_25511	chr8	50234413	50234896	177889	Intergenic	NM_001128254	mfn2	4.588400367	6.388537475	-1.800137108	0.000465
peak_30425	chr18	35530795	35531246	-27956	Intergenic	NM_001044953	qpctla	4.36386504	6.164098449	-1.800233409	0.002267
peak_16897	chr20	23996056	23997110	53718	Intergenic	NM_212819	cx52.6	7.993169078	9.793645223	-1.800476146	6.65E-06
peak_41732	chr18	25114870	25115100	69752	Intergenic	NM_001098193	gnrhr4	2.803316476	4.603860271	-1.800543795	0.023746
peak_19762	chr3	6603104	6603902	-39509	Intergenic	NM_001089460	pkn1b	5.484430647	7.285134922	-1.800704275	3.58E-05
peak_40495	chr21	1572961	1573633	-335854	Intergenic	NM_205605	wdr91	2.738714804	4.539495225	-1.800780422	0.019576
peak_21817	chr19	45137251	45138167	-77732	Intergenic	NM_201081	wasf2	7.362246861	9.163050877	-1.800804016	9.97E-05
peak_27515	chr11	7578385	7579000	-22320	Intergenic	NM_213367	eltd1	6.103573157	7.904485034	-1.800911876	0.00093
peak_22303	chr25	37620076	37620574	132765	Intergenic	NM_213100_1	irx3b	4.612020614	6.412972656	-1.800952042	0.000125
peak_26324	chr9	51681394	51681939	-103813	Intergenic	NM_001020575	fign	4.7428742	6.543906805	-1.801032605	0.000615
peak_34761	chr1	10971397	10971824	59631	exon (NM_001037387, exon 13 of 15)	NM_001037387	ttyh3b	4.477074143	6.278369664	-1.80129552	0.006504
peak_25440	chr13	40467222	40467779	40054	Intergenic	NM_131858	sfrp5	4.83374822	6.635072054	-1.801323834	0.000455
peak_22628	chr6	305911	306332	5768	intron (NM_001199730, intron 1 of 3)	NM_001199730	cacng2b	5.28916694	7.090502332	-1.801335391	0.000143
peak_20672	chr1	12245301	12245989	-89773	Intergenic	NM_001115058	pcdh18a	5.614715268	7.416059388	-1.80134412	5.80E-05
peak_23806	chr22	34315645	34316133	-54	promoter-TSS (NM_001037661_1)	NM_001037661_1	slc6a6b	4.066598018	5.867988226	-1.801390207	0.000237
peak_28570	chr2	12016897	12017277	70481	Intergenic	NM_199518	prtfdc1	3.157090365	4.958551753	-1.801461388	0.001319
peak_23061	chr23	43431357	43431932	-191446	Intergenic	NM_001004647	tgm2a	4.192463273	5.993936021	-1.801472748	0.000174
peak_43859	chr1	16395569	16395852	-22947	Intergenic	NM_214702	slc25a4	2.906787328	4.708359308	-1.80157198	0.032387
peak_43485	chr10	32292133	32292819	57509	Intergenic	NM_200398	tmem218	3.940280644	5.74189575	-1.801615105	0.030741
peak_17738	chr3	36970350	36971436	106476	Intergenic	NM_200908	tubg1	6.497658046	8.299292556	-1.80163451	1.15E-05
peak_19931	chr7	32414482	32414997	-148130	Intergenic	NM_001013468	zgc:111992	5.808033224	7.609967799	-1.801934576	3.95E-05
peak_23026	chr16	470827	471524	-72401	Intergenic	NM_131755	slc6a3	5.508835131	7.310787002	-1.801951871	0.000171
peak_28095	chr11	45232458	45233279	25793	intron (NM_001015069_1, intron 3 of 3)	NM_001077318	clcn4	3.928693146	5.730717931	-1.802024785	0.001138
peak_27335	chr5	4420058	4420598	-2775	Intergenic	NM_001076726	zgc:153704	4.770571942	6.573023664	-1.802451722	0.000871
peak_20328	chr16	49313919	49314498	44012	Intergenic	NM_001003557	bola1	5.047406821	6.849884611	-1.80247779	4.90E-05
peak_30132	chr14	14214533	14214908	-55482	intron (NM_001002180, intron 8 of 15)	NM_213448	canx	2.806462687	4.609075578	-1.802612891	0.002103
peak_42245	chr16	8549553	8549884	48957	Intergenic	NM_200335	med18	2.570823028	4.373481128	-1.8026581	0.025451
peak_27601	chr17	35619267	35619698	-91019	Intergenic	NM_001025556	rsad2	3.860527269	5.663216748	-1.802689479	0.000959
peak_40224	chr15	5278026	5278383	61594	intron (NM_001159822, intron 8 of 15)	NM_001159822	arrb1	3.380911023	5.183686431	-1.802775408	0.018678
peak_21030	chr17	1913177	1913807	-184558	Intergenic	NM_001163923	ccbe1	4.448039606	6.250825767	-1.802786161	6.81E-05
peak_23819	chr1	2681637	2682644	-123931	Intergenic	NR_030009		6.250621241	8.053723488	-1.803102247	0.000239
peak_24238	chr6	27262187	27262669	39578	intron (NM_001083826, intron 1 of 14)	NM_001083826	ryk	5.527600354	7.330879047	-1.803278693	0.000286
peak_22143	chr3	59720529	59720979	-32693	Intergenic	NM_001045319	luc7l3	4.165691145	5.96913956	-1.803448414	0.000116
peak_28851	chr3	12457973	12458719	-7610	intron (NM_001042778, intron 9 of 11)	NM_200509	cyp2k6	5.237551702	7.041137049	-1.803585347	0.001443
peak_28546	chr2	46836038	46837047	-393803	Intergenic	NM_201020_1	gpc1b	5.069258093	6.873133401	-1.803875309	0.001307
peak_24048	chr9	48822600	48823020	59108	Intergenic	NM_001003480	zgc:92380	4.537128982	6.341117339	-1.803988357	0.000263
peak_23420	chr3	30648909	30649379	-9962	Intergenic	NM_214766	med25	4.830661017	6.634751153	-1.804090136	0.0002
peak_35997	chr12	1497155	1497420	6290	intron (NM_200158, intron 2 of 6)	NM_200158	pemt	3.406017464	5.210132588	-1.804115125	0.008524
peak_23557	chr1	657809	658603	-8207	TTS (NM_201027)	NM_001100157	cd247	5.127133121	6.931624807	-1.804491686	0.000212
peak_38196	chr2	32414779	32415608	-25552	Intergenic	NM_001105588	puf60a	4.25726398	6.0619291	-1.80466512	0.013267
peak_18057	chr1	6665014	6665663	89143	Intergenic	NM_001013498	eng1b	7.362781261	9.167482175	-1.804700915	1.41E-05
peak_22446	chr10	31473907	31474393	323664	intron (NM_001003852, intron 2 of 9)	NM_001005580	opcml	5.336312431	7.141047449	-1.804735018	0.000132
peak_25223	chr5	55331968	55332501	-101535	intron (NM_001020519, intron 6 of 10)	NM_001281844	pik3r1	4.792204096	6.597067351	-1.804863255	0.000419
peak_20170	chr2	46295079	46296385	120900	intron (NM_201020, intron 1 of 1)	NM_201020	gpc1b	6.753712969	8.558610386	-1.804897417	4.52E-05
peak_28458	chr1	961842	962242	-15805	Intergenic	NM_001002502	n6amt1	2.970047467	4.775078069	-1.805030602	0.001272
peak_29370	chr6	2855850	2856387	-285270	Intergenic	NM_200355	st3gal3a	3.843780917	5.649091023	-1.805310107	0.001693
peak_23994	chr12	44747483	44747820	29037	intron (NM_001110011_1, intron 4 of 20)	NM_001110011_1	dock1	4.030649868	5.836048461	-1.805398593	0.000256
peak_20905	chr23	27853814	27854320	-6391	Intergenic	NM_001202447	phf8	5.867742917	7.673152022	-1.805409106	6.43E-05
peak_26589	chr19	37676946	37677509	329174	Intergenic	NM_131814	angpt2b	4.649346427	6.454790865	-1.805444438	0.000672
peak_29067	chr13	53000174	53000661	12319	Intergenic	NM_001135784	nkx6.2	3.688341143	5.493840489	-1.805499346	0.001542
peak_28919	chr15	14040963	14041263	30043	Intergenic	NM_001030247	zgc:114130	3.812734601	5.618259323	-1.805524722	0.001477
peak_17184	chr24	5052465	5053880	280	exon (NM_130933, exon 1 of 3)	NM_130933	zic1	7.006170307	8.81180566	-1.805635353	7.93E-06
peak_35825	chr9	34232484	34232809	-8347	Intergenic	NM_001130664	si:ch211-125e6.1	1.972850631	3.778512023	-1.805661392	0.008244
peak_23369	chr21	8725463	8726627	-5364	Intergenic	NM_001037701	mapk10	6.415896059	8.221643498	-1.805747439	0.000196
peak_28064	chr18	34341438	34341724	64357	Intergenic	NM_001045352	exosc5	3.896489853	5.702309729	-1.805819877	0.001125
peak_35620	chr14	3855858	3856787	-264880	Intergenic	NM_001098776	lrp2bp	4.650222256	6.456185734	-1.805963478	0.007877
peak_23149	chr24	39536495	39537093	49600	Intergenic	NM_001025297	crp2	5.674202005	7.480189505	-1.8059875	0.00018
peak_25862	chr20	39485653	39486236	3638	intron (NM_001089392, intron 5 of 7)	NM_001089392	si:ch211-10j20.1	4.348774912	6.154797147	-1.806022235	0.000524
peak_31201	chr10	33127129	33127617	68239	Intergenic	NM_131076	wnt11r	4.010249339	5.816297878	-1.806048539	0.002761
peak_19493	chr6	52661829	52663001	14063	Intergenic	NM_200357	oser1	7.480619629	9.286919486	-1.806299857	3.07E-05
peak_19372	chr1	47722122	47723204	47027	Intergenic	NM_001003579	morc3b	7.863950866	9.670317732	-1.806366866	2.88E-05
peak_40368	chr23	29210721	29210989	-159483	Intergenic	NM_001002631	dffa	3.212831541	5.019216993	-1.806385453	0.019135
peak_22705	chr10	10217240	10217866	77897	Intergenic	NR_029938		6.196665911	8.003361455	-1.806695544	0.000148
peak_25245	chr5	13903324	13904043	12583	Intergenic	NM_001122706	si:dkey-98f17.3	4.751061931	6.557967202	-1.806905271	0.000423
peak_18446	chr10	39747948	39749186	-35243	Intergenic	NM_001006039	samsn1b	7.864810999	9.671761074	-1.806950075	1.73E-05
peak_21502	chr25	2580966	2581465	-26893	Intergenic	NM_001077466	bbs4	5.440941827	7.247924884	-1.806983057	8.54E-05
peak_19085	chr11	42384662	42385603	-13417	Intergenic	NM_131332	pax7a	5.895403728	7.7024086	-1.807004873	2.49E-05
peak_43735	chr3	25054826	25055070	26268	Intergenic	NM_200700	desi1a	2.42263522	4.229691878	-1.807056659	0.031891
peak_39077	chr16	11473687	11473993	17788	intron (NM_001114410, intron 2 of 5)	NM_001114410	ncalda	3.695146922	5.502216074	-1.807069153	0.015459
peak_30612	chr9	5766346	5766751	-136250	Intergenic	NM_001128670	pdzk1	3.892054049	5.699215455	-1.807161406	0.002375
peak_43679	chr13	47007340	47007546	33174	intron (NM_178303, intron 2 of 17)	NM_001243004	fgfr2	2.463070247	4.270369979	-1.807299732	0.031605
peak_26779	chr23	21678903	21679966	-39455	Intergenic	NM_001039525	tas1r1	5.687488159	7.494818172	-1.807330012	0.000723
peak_27453	chr11	37327090	37327414	77006	Intergenic	NM_001004590	cyb561d1	4.353084575	6.160530237	-1.807445662	0.00091
peak_30334	chr2	35710983	35711385	50430	Intergenic	NM_200004	nmnat2	5.402933264	7.21040968	-1.807476416	0.002217
peak_30498	chr20	50529336	50529967	22010	Intergenic	NM_001144797	LOC569213	4.104231123	5.911912089	-1.807680966	0.00231
peak_27154	chr17	51914225	51914880	126777	Intergenic	NM_001006065	tssc1	4.067909549	5.875788774	-1.807879225	0.000819
peak_25326	chr3	50909877	50910216	-110180	Intergenic	NM_207063	asf1ba	3.883141315	5.691063451	-1.807922136	0.000437
peak_19888	chr2	27680594	27681886	41969	intron (NM_001144819, intron 8 of 13)	NM_001144819	zswim5	7.199686494	9.007696325	-1.808009831	3.85E-05
peak_25932	chr19	40367114	40367716	396459	Intergenic	NM_212579	col9a2	6.158955661	7.967005607	-1.808049946	0.000537
peak_38139	chr16	55624247	55624545	-4477	Intergenic	NM_199647	pdcl	3.424684114	5.232752957	-1.808068843	0.013102
peak_40742	chr13	45431005	45431432	-2964	Intergenic	NM_213151	glo1	4.340116769	6.148346335	-1.808229566	0.020366
peak_19154	chr4	5885060	5886274	142756	intron (NM_001030082, intron 6 of 20)	NM_001030082	foxp2	6.501317195	8.309832013	-1.808514817	2.58E-05
peak_21957	chr16	22663658	22664073	77102	Intergenic	NM_199278	cpvl	5.09267992	6.901297124	-1.808617204	0.000107
peak_28284	chr7	28493082	28493464	76857	intron (NM_001123009, intron 4 of 14)	NM_001123009	sox6	3.68663467	5.495300193	-1.808665523	0.001203
peak_24473	chr2	12049524	12050247	37683	Intergenic	NM_199518	prtfdc1	5.440971353	7.249684118	-1.808712765	0.000312
peak_41657	chr6	44110451	44110829	15549	intron (NM_001110200, intron 1 of 6)	NM_001110200	gxylt2	3.529533336	5.33834696	-1.808813625	0.023478
peak_21912	chr3	12118699	12119370	-89	promoter-TSS (NM_001076623)	NM_001076623	prkar1b	5.622769162	7.431595015	-1.808825853	0.000105
peak_22161	chr7	44782911	44783747	-22518	Intergenic	NM_131214	cdh11	6.017114627	7.826141858	-1.809027231	0.000117
peak_23291	chr4	5637059	5637708	11333	TTS (NM_199951)	NM_199951	ccnc	6.03873779	7.847843343	-1.809105553	0.00019
peak_26416	chr12	36593907	36594441	-162262	Intergenic	NM_001256248	tbccl	4.912681351	6.721796889	-1.809115537	0.000635
peak_43956	chr4	39333011	39333419	-48562	Intergenic	NM_001109839	zgc:173617	1.205700064	3.014882249	-1.809182185	0.032746
peak_26221	chr11	40429372	40429630	7061	intron (NM_001040387, intron 1 of 4)	NM_001040387	wnt4a	3.634375402	5.443560218	-1.809184815	0.000594
peak_20415	chr5	65470859	65471397	71273	Intergenic	NM_001110103	aspa	4.850655209	6.66005546	-1.809400251	5.12E-05
peak_39231	chr5	50495466	50495792	29391	intron (NM_001001845, intron 1 of 89)	NM_001001845	gpr98	3.234016866	5.043439122	-1.809422256	0.015895

peak_20203	chr2	56489257	56489776	72297	Intergenic	NM_001037113	uba52	5.553165478	7.362673503	-1.809508025	4.60E-05
peak_43819	chr19	1915868	1916114	48990	intron (NM_198819, intron 3 of 28)	NM_198819	ptk2aa	3.019847667	4.829404212	-1.809556546	0.032249
peak_18681	chr25	25013978	25015107	40955	Intergenic	NM_001013512	tmem86a	8.115578282	9.925190945	-1.809612664	1.97E-05
peak_41129	chr10	46144696	46144907	135686	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	1.831388386	3.641241413	-1.809853026	0.021774
peak_32376	chr5	67107449	67107744	170526	Intergenic	NM_001256818	dnm1b	3.860527269	5.670517532	-1.809990262	0.003762
peak_40588	chr11	8812899	8813345	164713	Intergenic	NM_001020583	tbl1xr1a	3.981308804	5.791573446	-1.810264642	0.019912
peak_28313	chr16	1169435	1169948	349041	Intergenic	NM_207185	irx1a	4.029304008	5.839696412	-1.810392404	0.001214
peak_20517	chr7	33368365	33369242	-13503	Intergenic	NM_200239	kif18a	5.271597171	7.082085757	-1.810488586	5.34E-05
peak_41566	chr8	12389157	12389545	-101829	Intergenic	NM_001113585	anapc7	2.614767619	4.425261988	-1.810494369	0.023179
peak_15850	chr6	11775415	11778675	-53985	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	8.146070817	9.956634345	-1.810563528	3.39E-06
peak_29893	chr3	22001166	22001502	-247840	Intergenic	NM_201449	cdc27	3.623713297	5.434331065	-1.810617768	0.001966
peak_22615	chr7	43715436	43716011	7360	Intergenic	NM_131044	eng2a	5.72462317	7.535341202	-1.810718032	0.000142
peak_19702	chr22	36038994	36039894	24100	intron (NM_173274, intron 1 of 2)	NM_173274	dag1	6.031994474	7.843004747	-1.811010274	3.46E-05
peak_18500	chr3	48580458	48581107	70068	Intergenic	NM_001079978	zgc:158309	6.427451896	8.238611482	-1.811159586	1.78E-05
peak_18290	chr3	34380317	34381254	61432	Intergenic	NM_213197	znf207a	7.735435208	9.546700826	-1.811265619	1.61E-05
peak_22932	chr3	54248405	54248943	-51244	Intergenic	NM_131549	notch3	5.238134336	7.04963819	-1.811503854	0.000163
peak_31862	chr9	51340705	51340916	-175318	Intergenic	NM_001017644	slc38a11	3.669457996	5.481047526	-1.81158953	0.003324
peak_31072	chr19	36276354	36276830	14208	intron (NM_001044925, intron 10 of 21)	NM_001044925	elp2	2.874173177	4.685880253	-1.811707077	0.002665
peak_33323	chr5	1184220	1195508	3255	Intergenic	NM_001098396_1	zgc:158463	8.172422005	9.984152426	-1.81173042	0.004725
peak_23797	chr18	966137	967091	62143	intron (NM_205705, intron 6 of 8)	NM_205705	nptnb	6.333284441	8.145050202	-1.811765761	0.000236
peak_29843	chr7	35354059	35354460	51591	intron (NM_001114317, intron 16 of 21)	NM_001114317	map2k5	4.36599906	6.17782724	-1.81182818	0.001936
peak_21219	chr19	44298747	44299259	-20334	Intergenic	NM_207072	clasp2	5.690496237	7.502444713	-1.811948476	7.46E-05
peak_27303	chr9	55780649	55781141	30809	Intergenic	NM_001126448	lect1	3.440971353	5.253142876	-1.812171522	0.000862
peak_18388	chr9	10036276	10037123	26862	intron (NM_001039621, intron 2 of 10)	NM_001039621	fstl1b	7.199220281	9.011621841	-1.81240156	1.69E-05
peak_39392	chr7	4761812	4762129	17551	Intergenic	NM_001100071	si:dkey-83f18.7	1.950271315	3.762709538	-1.812438222	0.016299
peak_41069	chr1	25810682	25811287	-62402	Intergenic	NM_201116	sh3gl2	4.007517975	5.820034229	-1.812516254	0.021592
peak_32758	chr19	28905050	28905435	-59544	Intergenic	NM_001082990	si:dkey-261i16.5	4.769813247	6.582460186	-1.812646939	0.004132
peak_21761	chr1	39704529	39705837	31256	Intergenic	NR_030668		6.637262432	8.450018015	-1.812755583	9.71E-05
peak_31190	chr11	39683016	39683372	13913	intron (NM_200531, intron 5 of 8)	NM_200531	mfsd4a	4.179103907	5.991907552	-1.812803645	0.00275
peak_24758	chr9	47221543	47221978	-80714	Intergenic	NM_001039358	hdac4	4.932339999	6.745204776	-1.812864777	0.000353
peak_34130	chr13	49701391	49701866	24225	Intergenic	NM_001003463	ntpcr	3.436916749	5.249847767	-1.812931018	0.005687
peak_37252	chr5	31934891	31935223	84811	Intergenic	NM_001130642	snx19a	3.304825258	5.117773531	-1.812948273	0.011114
peak_25216	chr13	46545529	46545926	-1988	Intergenic	NM_001004108	bsdc1	4.097825209	5.910870924	-1.813045715	0.000418
peak_18274	chr20	28466239	28466884	6085	intron (NM_001111169, intron 1 of 11)	NM_001111169	dpf3	5.979875451	7.792958159	-1.813082709	1.59E-05
peak_43025	chr24	19119132	19119968	-92772	intron (NM_200844, intron 12 of 28)	NM_001200062	LOC100150965	0.944570835	2.75774073	-1.813169895	0.028725
peak_31640	chr14	45908030	45908505	-48407	Intergenic	NM_200975	gar1	4.718766161	6.532006815	-1.813240654	0.003118
peak_20560	chr17	33035970	33036789	32629	intron (NM_131405, intron 3 of 3)	NM_131405	prox1a	6.827965573	8.641255947	-1.813290373	5.48E-05
peak_31149	chr14	38664016	38664849	457533	Intergenic	NM_001048055	lect2l	4.512183079	6.325495859	-1.81331278	0.002723
peak_34465	chr24	35514692	35515470	-32912	Intergenic	NM_001002724	zgc:92591	3.728799148	5.542318323	-1.813519175	0.00614
peak_19611	chr22	26651785	26653094	34644	Intergenic	NM_194426	pdgfaa	7.829200333	9.642888305	-1.813687972	3.31E-05
peak_23354	chr25	25425656	25426120	-321774	Intergenic	NM_001002089_1	tsg101a	5.03873779	6.852447378	-1.813709588	0.000194
peak_43443	chr17	12063865	12064151	41029	Intergenic	NM_001002359	sccpdha	0.653720264	2.467601843	-1.813881579	0.030588
peak_18635	chr19	22200526	22201055	-1900	Intergenic	NM_001159669	LOC100003866	5.708291514	7.522185567	-1.813894053	1.92E-05
peak_38875	chr21	36175004	36175429	177494	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	3.964424746	5.778611892	-1.814187147	0.014931
peak_16860	chr20	7747147	7747962	-14513	Intergenic	NM_001033101	bloc1s2	6.816066881	8.630265256	-1.814198375	6.51E-06
peak_18106	chr1	55450588	55451573	166	intron (NM_001017566, intron 1 of 4)	NM_001017566	golga7ba	6.380880242	8.19508626	-1.814206019	1.45E-05
peak_26928	chr3	63191693	63192092	-7440	Intergenic	NM_131644	sox9b	3.851417001	5.665902608	-1.814485607	0.00076
peak_17177	chr11	24574069	24575069	-158423	Intergenic	NM_001145767	nfasca	7.531163633	9.345708463	-1.814544829	7.89E-06
peak_27217	chr1	28627487	28627869	18068	intron (NM_001128244, intron 1 of 15)	NM_001128244	si:dkey-1h24.3	3.535233816	5.349885633	-1.814651816	0.000837
peak_35011	chr24	10357457	10357869	143425	Intergenic	NM_131412	myca	4.052014612	5.866698209	-1.814683597	0.006898
peak_19402	chr7	27561959	27562658	-4	promoter-TSS (NM_199624)	NM_199624	her8a	6.578745545	8.393437754	-1.814692209	2.93E-05
peak_39115	chr16	30396885	30397374	-101222	Intergenic	NM_001077756	fam188a	4.181599935	5.996335252	-1.814735317	0.015584
peak_23926	chr21	5121287	5121634	-33140	Intergenic	NM_131441_1	notch1a	4.158322191	5.973138336	-1.814816145	0.000249
peak_23707	chr7	30907019	30908415	364	intron (NM_201067, intron 1 of 9)	NM_201067	rorab	7.329462019	9.144369985	-1.814907965	0.000226
peak_20530	chr10	1778683	1779425	-33954	intron (NM_131223, intron 17 of 23)	NR_036690		6.416395938	8.231408581	-1.815012643	5.37E-05
peak_18986	chr16	6390139	6391503	282	intron (NM_200796, intron 1 of 6)	NM_200796	elovl4a	6.953812365	8.768833946	-1.815021581	2.36E-05
peak_21280	chr16	49408942	49409477	50610	Intergenic	NM_131186	nr2f5	4.727969758	6.543101311	-1.815131553	7.66E-05
peak_27305	chr8	49132036	49132354	36490	intron (NM_001123282, intron 2 of 12)	NM_001123282	espn	3.457076769	5.272777627	-1.815700857	0.000863
peak_42063	chr22	15593471	15593968	-10874	Intergenic	NM_001003530	rpp21	3.710343543	5.526404803	-1.816061261	0.024869
peak_17960	chr15	6776665	6777182	-23104	Intergenic	NM_131778	meis3	6.240171705	8.056308787	-1.816137082	1.34E-05
peak_20822	chr16	18764984	18765615	186848	Intergenic	NM_001003589	ccdc12	7.324403381	9.140636583	-1.816233201	6.19E-05
peak_24323	chr4	14573893	14574237	-88221	intron (NM_214804, intron 8 of 9)	NM_001004495	plxna4	4.317074445	6.133348839	-1.816274394	0.000296
peak_22309	chr15	34371876	34372330	25444	exon (NM_213519, exon 5 of 10)	NM_001025476	bloc1s3	4.634375402	6.450705583	-1.816330181	0.000125
peak_20048	chr7	55896251	55896838	14173	intron (NM_001128270, intron 1 of 1)	NM_001128270	LOC796180	5.804080716	7.620501493	-1.816420776	4.25E-05
peak_27495	chr5	23162760	23163153	91401	Intergenic	NM_001114691	sh2d1aa	3.915640605	5.732150449	-1.816509844	0.000925
peak_22425	chr20	10255078	10255808	50371	Intergenic	NM_130910	meis2b	5.03669075	6.853244099	-1.816553349	0.000131
peak_26223	chr8	8337425	8337952	12033	exon (NM_131848, exon 3 of 10)	NM_131848	tfe3a	5.581476227	7.398089423	-1.816613196	0.000595
peak_19659	chr1	21451365	21452865	13161	Intergenic	NM_001089526	fgfbp2b	7.951311742	9.767997055	-1.816685313	3.41E-05
peak_43133	chr12	42053000	42053274	-1076606	Intergenic	NM_212880	zgc:76887	2.912638768	4.729381347	-1.816742579	0.029159
peak_21538	chr9	1865325	1865894	64280	Intergenic	NM_131125	hoxd3a	5.66594746	7.482884799	-1.816937339	8.71E-05
peak_28222	chr1	53317170	53317532	29140	TTS (NM_001081629)	NM_001081629	smarca5	3.693448485	5.510386555	-1.81693807	0.001181
peak_33751	chr4	55833397	55833651	219572	Intergenic	NM_001111199	zgc:173710	2.639677051	4.456743798	-1.817066747	0.005208
peak_22587	chr15	2417767	2418477	7079	intron (NM_001105110, intron 2 of 8)	NM_001105110	hephl1	6.779440232	8.596643643	-1.81720341	0.000141
peak_20669	chr13	50863202	50864263	47709	Intergenic	NM_001020687_1	b3galnt2	5.8718786	7.689315168	-1.817436568	5.79E-05
peak_29885	chr16	33006289	33007150	98733	Intergenic	NM_001013340	fam210a	5.029304008	6.846812967	-1.81750896	0.001959
peak_27544	chr1	28860683	28861146	53589	intron (NM_001002746, intron 18 of 22)	NM_001002746	pcca	4.444004846	6.261648826	-1.817643981	0.000939
peak_24770	chr12	2666633	2666978	120457	Intergenic	NM_131721	mapk8b	3.961605146	5.779283649	-1.817678503	0.000356
peak_17071	chr7	16643331	16644235	7043	intron (NM_131641, intron 2 of 11)	NM_131641	pax6b	7.363056177	9.180849472	-1.817793295	7.34E-06
peak_36533	chr16	49154584	49155131	-115339	Intergenic	NM_001003557	bola1	3.992402332	5.810279012	-1.81787668	0.009618
peak_35772	chr8	5429642	5430529	7261	intron (NM_001012242, intron 1 of 5)	NM_001012242	bnip3la	4.574626352	6.392511803	-1.817885452	0.008155
peak_29756	chr17	33877812	33878251	41482	Intergenic	NM_001003442	dnal1	4.764066408	6.582059568	-1.81799316	0.001892
peak_19044	chr22	7062691	7063267	-90790	intron (NM_214791, intron 1 of 9)	NM_198358	smarcd1	5.194866279	7.012860662	-1.817994383	2.44E-05
peak_23484	chr6	54847168	54847606	-28118	Intergenic	NM_001080614	csrp1b	4.277877455	6.096025815	-1.81814836	0.000205
peak_28449	chr18	22163986	22164405	30846	Intergenic	NM_200689	tmem170a	2.880158125	4.698481596	-1.818323471	0.001268
peak_18562	chr23	41447322	41447997	-278249	Intergenic	NM_001139458	si:dkey-194e6.1	7.499245762	9.317884894	-1.818639131	1.84E-05
peak_17956	chr23	38793977	38795091	-251534	Intergenic	NM_001080609	sall4	7.825920896	9.644897359	-1.818976463	1.33E-05
peak_23031	chr20	32368054	32368797	3192	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	6.059363209	7.878387871	-1.819024662	0.000171
peak_27146	chr19	30200804	30201187	58816	Intergenic	NM_001102573	ctgfb	4.260708926	6.079797363	-1.819088437	0.000818
peak_25488	chr7	47711315	47712359	82244	Intergenic	NM_130995	ccne1	5.612443856	7.431547127	-1.819103271	0.000462
peak_35619	chr24	34193061	34193423	316657	Intergenic	NM_001130617	zgc:194780	3.408090078	5.227305739	-1.819215661	0.007877
peak_25410	chr22	11326080	11326632	72053	Intergenic	NM_205626	bcor	4.815079557	6.634333557	-1.819254	0.00045
peak_24488	chr6	25682627	25683520	4513	intron (NM_212689, intron 2 of 4)	NM_212689	lmo4b	5.138412798	6.957685168	-1.81927237	0.000314
peak_29161	chr15	47106292	47106633	-47367	Intergenic	NR_030402		3.632603848	5.451877472	-1.819273624	0.001589
peak_19007	chr3	43263211	43264909	-23141	Intergenic	NM_200517	zfand2a	6.147471691	7.966774719	-1.819303028	2.39E-05
peak_16290	chr18	20003634	20005053	-3175	Intergenic	NM_131012	gro2	7.731497409	9.55092302	-1.819425611	4.55E-06
peak_26806	chr6	56126966	56127490	7851	intron (NM_001008576_1, intron 3 of 7)	NM_001008576_1	tfap2c	4.678930464	6.498503216	-1.819572752	0.000732
peak_19262	chr10	27022717	27023623	-127257	Intergenic	NM_001007030	synj1	6.703447519	8.523069812	-1.819622293	2.73E-05
peak_42580	chr5	2491561	2491782	-1255	Intergenic	NM_001002209	rabepk	1.831388386	3.651031358	-1.819642972	0.026748
peak_26608	chr16	25111450	25111822	65398	Intergenic	NM_001003997	flad1	4.393518857	6.213279733	-1.819760876	0.000677
peak_22277	chr10	33058880	33059508	60	promoter-TSS (NM_131076)	NM_131076	wnt11r	5.258987481	7.078761499	-1.819774017	0.000123
peak_29111	chr10	29481801	29482199	35551	intron (NM_131000, intron 1 of 15)	NM_131000	alcama	3.90091206	5.720762749	-1.819850689	0.001564
peak_23191	chr7	7429875	7430301	-27843	Intergenic	NM_213311	pnp5a	4.464124857	6.283997463	-1.819872606	0.000183
peak_25146	chr15	3436991	3437638	43395	Intergenic	NM_001077257	foxo1a	4.857541143	6.677482116	-1.819940972	0.000408
peak_22314	chr25	1807656	1808256	42721	Intergenic	NM_131042_1	fbln1	5.903874107	7.72395441	-1.820080303	0.000126
peak_32265	chr19	25733734	25734036	22893	intron (NM_001100009, intron 1 of 5)	NM_001100009	rims3	3.764922485	5.585096663	-1.820174178	0.003658

peak_31490	chr9	2444461	2444799	-19372	Intergenic	NM_199738	scrn3	4.026608515	5.846918245	-1.820309731	0.002984
peak_25417	chr19	33826089	33826850	-5969	Intergenic	NM_001044826	atxn1a	5.433329916	7.253724421	-1.820394505	0.000451
peak_33037	chr23	39570889	39571345	78663	exon (NM_001003837, exon 4 of 12)	NM_001003837	src	4.26992192	6.090339063	-1.820417142	0.004433
peak_23054	chr20	29510782	29511698	-1823	Intergenic	NM_001001409	actc1a	6.78064056	8.601153061	-1.820512501	0.000173
peak_27502	chr1	5811846	5812409	117174	Intergenic	NM_001143751	erbb4a	5.278410985	7.099003842	-1.820592856	0.000927
peak_26355	chr24	40331817	40332304	-1570	Intergenic	NM_130992	nog2	4.276743633	6.097404783	-1.820661151	0.000622
peak_32127	chr8	32616301	32616586	51097	intron (NM_001007291, intron 12 of 16)	NM_001007291	oxct1a	3.975648359	5.796493738	-1.820845378	0.003524
peak_33545	chr17	51992834	51993221	-160492	Intergenic	NM_001012488	zgc:113142	3.210458296	5.0313994	-1.820941104	0.004965
peak_27970	chr19	21101258	21101695	-89319	Intergenic	NM_201485	rab5aa	4.026608515	5.84757819	-1.820969676	0.001094
peak_27363	chr12	10935411	10935802	80057	Intergenic	NM_213025	ndufa4	3.44299439	5.264121506	-1.821127116	0.00088
peak_29768	chr1	36153937	36154169	9002	Intergenic	NM_212807	pou4f2	3.641439946	5.462752258	-1.821312311	0.001901
peak_33492	chr2	40819928	40820226	135515	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	3.698537809	5.519905566	-1.821367757	0.004911
peak_34325	chr24	558258	558514	61125	intron (NM_001013328, intron 2 of 4)	NM_001083003	lancl2	2.972850631	4.794237618	-1.821386986	0.005943
peak_41660	chr15	14511319	14511608	13006	intron (NM_139077, intron 8 of 14)	NM_139077	nek8	2.625495796	4.446970989	-1.821475194	0.023479
peak_24999	chr1	47737822	47738492	62521	Intergenic	NM_001003579	morc3b	4.826792699	6.648275584	-1.821482886	0.000387
peak_40705	chr23	2188044	2188395	-129097	Intergenic	NM_001002301	prdm5	3.25733105	5.078893864	-1.821562814	0.020231
peak_17468	chr14	39037397	39038773	831186	Intergenic	NM_001048055	lect2l	6.771187674	8.592829228	-1.821641554	9.56E-06
peak_27642	chr5	41405679	41405997	5670	intron (NM_199829, intron 1 of 14)	NM_199829	rasgef1ba	3.684926177	5.506670722	-1.821744545	0.000973
peak_23652	chr23	25862422	25862938	-133464	Intergenic	NM_001003541	rbms2b	5.439422654	7.261178795	-1.821756141	0.00022
peak_21625	chr13	28765223	28765927	29096	intron (NM_131521, intron 5 of 8)	NM_131521	fbxw4	5.467110104	7.288902001	-1.821791896	9.10E-05
peak_22087	chr15	31052546	31053111	70528	Intergenic	NM_001177456	lgr8.2	5.613817609	7.435612919	-1.82179531	0.000113
peak_21932	chr18	19900694	19901423	86362	Intergenic	NM_001002604	morf4l1	5.475534912	7.297505215	-1.821970303	0.000106
peak_20638	chr14	38416951	38417514	210333	Intergenic	NM_001048055	lect2l	5.74367113	7.56570135	-1.82203022	5.69E-05
peak_22572	chr17	18081555	18082001	133654	Intergenic	NM_001099260	bcl11ba	4.935217321	6.757256592	-1.822039271	0.00014
peak_19922	chr17	52722844	52724226	-103090	Intergenic	NM_194386	tgfb3	6.271898322	8.093980298	-1.822081976	3.93E-05
peak_34868	chr25	29202739	29203463	54112	Intergenic	NM_001173985	aass	4.825197218	6.647323624	-1.822126406	0.006663
peak_36949	chr15	45386731	45387047	309888	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	1.44299439	3.265160626	-1.822166236	0.010453
peak_29253	chr22	20713560	20714090	9791	intron (NM_001037391, intron 6 of 10)	NM_001037391	map2k2a	5.056024072	6.878203153	-1.822179081	0.001641
peak_22750	chr7	40225128	40225965	21644	Intergenic	NM_001020806	zgc:110699	5.206856367	7.029062073	-1.822205706	0.00015
peak_20080	chr12	46213887	46214328	241455	Intergenic	NM_212945	mrpl38	5.399781695	7.222089115	-1.82230742	4.31E-05
peak_28572	chr5	38838942	38839310	-51297	Intergenic	NM_001089532	zgc:163098	4.948848306	6.77116151	-1.822313204	0.00132
peak_24996	chr7	47939036	47939410	309630	Intergenic	NM_130995	ccne1	3.804890439	5.627297387	-1.822406948	0.000387
peak_23927	chr2	25491235	25491737	-35141	Intergenic	NM_001159832	fndc3ba	5.290852769	7.113308294	-1.822455525	0.000249
peak_36274	chr18	26688048	26688374	37772	Intergenic	NM_001126418	kti12	3.755185932	5.577654706	-1.822468774	0.009071
peak_24949	chr17	27100134	27100614	14605	Intergenic	NM_152967	id3	4.644959288	6.467439268	-1.82247998	0.00038
peak_34085	chr2	47745745	47746707	-2692	Intergenic	NM_001004635	ap1s3b	5.001393477	6.823913246	-1.82251977	0.005626
peak_23865	chr23	229312	230394	91230	Intergenic	NM_001077296	zgc:153351	5.873776418	7.696467498	-1.822691079	0.000244
peak_28796	chr13	10972688	10973151	120879	intron (NM_001197201, intron 3 of 14)	NM_001197201	akt3a	3.693448485	5.516188458	-1.822739973	0.001417
peak_22464	chr25	25738216	25738619	-9245	Intergenic	NM_001002089_1	tsg101a	4.682359636	6.505193881	-1.822834245	0.000134
peak_22029	chr15	33347031	33347439	68687	intron (NM_001137661, intron 2 of 23)	NM_001137661	frem2b	4.772986383	6.595981732	-1.82299535	0.00011
peak_27404	chr16	10021161	10021455	-57479	Intergenic	NM_001289913	cobl	3.842248838	5.665431639	-1.823182801	0.000894
peak_30872	chr10	1824286	1824672	29927	intron (NM_131223, intron 2 of 23)	NM_131223	epb41l4a	4.434885166	6.258129944	-1.823244778	0.002541
peak_26582	chr16	35601049	35601408	123709	Intergenic	NM_001020635	rragca	4.021202373	5.844461118	-1.823258744	0.00067
peak_40128	chr12	43163087	43163382	28021	intron (NM_212880, intron 8 of 9)	NM_001012245	bnip3	2.886118348	4.709612761	-1.823494412	0.018395
peak_22608	chr19	10847604	10848270	-18298	Intergenic	NM_001083075	znf865	5.500574775	7.324076371	-1.823501596	0.000142
peak_23000	chr4	16512399	16513099	27436	Intergenic	NM_131219	ascl1a	5.762089438	7.585634511	-1.823545072	0.00017
peak_19689	chr13	14799573	14800242	-9733	Intergenic	NM_001115095	cdc25	7.58081414	9.404520486	-1.823706347	3.45E-05
peak_26157	chr9	32116200	32116617	25185	Intergenic	NM_001099241	gpr183	4.678071896	6.501789182	-1.823717285	0.00058
peak_16741	chr7	17801291	17803629	786	intron (NM_131158, intron 2 of 3)	NM_131158	dbx1a	8.161930133	9.985672417	-1.823742284	6.09E-06
peak_17630	chr24	40553652	40554721	-123709	Intergenic	NM_212748	rpn2	6.324532549	8.148527386	-1.823994837	1.08E-05
peak_16882	chr7	36331650	36333274	82953	Intergenic	NM_199272	esrp2	7.124290174	8.948308086	-1.824017912	6.61E-06
peak_30182	chr22	39900552	39900939	11489	Intergenic	NM_001003462	trim35-36	4.10167217	5.925847559	-1.824175389	0.002134
peak_35007	chr10	1457406	1457780	16476	Intergenic	NM_131732	gdnfa	3.771377205	5.595931375	-1.82455417	0.006877
peak_25700	chr7	46224223	46224763	-160643	Intergenic	NM_001128778	zgc:194678	4.538075632	6.362819718	-1.824744086	0.000495
peak_38532	chr21	41725799	41726126	-8548	Intergenic	NM_001115117	sept8a	1.44299439	3.267898796	-1.824904406	0.014066
peak_29634	chr24	28464185	28464498	45600	intron (NM_131095, intron 3 of 16)	NM_131095	ek1	3.236351702	5.061273166	-1.824921464	0.001824
peak_26675	chr22	14660513	14660822	-320554	Intergenic	NM_001024811	gtpbp1l	3.772986383	5.597978024	-1.824991642	0.000693
peak_27818	chr20	40452233	40452698	30381	intron (NM_001122945, intron 1 of 2)	NM_001122945	pkib	4.409185638	6.234298847	-1.825113209	0.001036
peak_16138	chr19	39168557	39170048	63	promoter-TSS (NM_001122760)	NM_001122760	thsd7a	8.643873242	10.46912058	-1.825247341	4.11E-06
peak_41872	chr10	24244140	24244472	96002	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	3.620037365	5.445463681	-1.825426316	0.024202
peak_27712	chr17	4290989	4291375	155257	Intergenic	NM_212931	crls1	4.525664779	6.351466747	-1.825801968	0.000995
peak_33270	chr16	55748332	55748667	-128580	Intergenic	NM_199647	pdcl	4.038698769	5.864588925	-1.825890156	0.004668
peak_24476	chr9	38869709	38870147	-32842	intron (NM_001113576, intron 13 of 16)	NM_199698	sec22a	5.090062722	6.916200559	-1.826137837	0.000312
peak_21516	chr4	11681512	11682287	1306	intron (NM_001020739, intron 1 of 3)	NM_001020739	lmo3	5.104231123	6.930488555	-1.826257432	8.60E-05
peak_27527	chr8	13396537	13398028	-43938	Intergenic	NM_001004664	zgc:103670	3.333588892	5.159940179	-1.826351287	0.000934
peak_28197	chr19	24812256	24812687	-59476	Intergenic	NM_001080161	s100v2	3.544684847	5.371119345	-1.826434497	0.001174
peak_23367	chr3	21482384	21482979	10753	intron (NM_001006067, intron 1 of 3)	NM_001006067	syngr1a	5.407084371	7.233530964	-1.826446593	0.000195
peak_43505	chr20	42462900	42463214	8570	TTS (NM_001025486)	NM_001025486	si:dkeyp-93d12.1	3.038698769	4.865218121	-1.826519352	0.030802
peak_20357	chr16	9449107	9449534	9473	intron (NM_001012384, intron 1 of 2)	NM_001012384	pomgnt2	4.811169177	6.637724909	-1.826555732	4.97E-05
peak_37939	chr7	38803777	38804265	34584	Intergenic	NM_001146014	sall1a	4.387228713	6.213837554	-1.826608842	0.012595
peak_37579	chr9	42963865	42964186	-23477	Intergenic	NM_001039630	col18a1	3.667729028	5.494459691	-1.826730663	0.01181
peak_18099	chr10	1559635	1560527	103069	Intergenic	NM_200156	nup155	6.299843298	8.126862983	-1.827019686	1.45E-05
peak_20075	chr5	24284865	24286479	-8288	Intergenic	NM_001202510	rpl36a	7.10936332	8.936410465	-1.827047145	4.31E-05
peak_22584	chr9	6828678	6829506	-126407	Intergenic	NM_131150	pou3f3a	5.719649537	7.546796993	-1.827147457	0.00014
peak_19408	chr7	50067480	50068129	54339	intron (NM_001123242, intron 13 of 17)	NM_001002040	cdkn1c	6.858288255	8.685441104	-1.82715285	2.95E-05
peak_24715	chr11	29165362	29165872	70636	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	5.039406491	6.866652939	-1.827246448	0.000346
peak_16753	chr22	40327510	40328894	7482	Intergenic	NM_213118	sox2	7.105208193	8.932475755	-1.827267562	6.13E-06
peak_25884	chr6	33147594	33148175	-87040	Intergenic	NM_201143	pik3r3b	5.00413645	6.83143721	-1.82730076	0.000529
peak_23368	chr8	29084454	29085241	27862	exon (NM_199802, exon 7 of 7)	NM_001123323	ddx20	5.532833648	7.360189458	-1.82735581	0.000195
peak_35269	chr6	39319741	39320088	28591	Intergenic	NM_200568	zgc:77517	3.843780917	5.67113937	-1.827358453	0.007286
peak_26603	chr1	28137062	28137351	-4976	Intergenic	NM_200315	zgc:56306	3.777803175	5.605205803	-1.827402628	0.000676
peak_26612	chr13	6667669	6668090	8146	intron (NM_205675, intron 2 of 3)	NM_205675	pitx3	4.23284803	6.060267078	-1.827419048	0.000678
peak_18395	chr2	56195517	56196398	-80	promoter-TSS (NM_001004618)	NM_001004618	nmrk2	7.263447049	9.0909141	-1.827467051	1.69E-05
peak_24664	chr2	54112500	54112847	20	promoter-TSS (NM_205587)	NM_205587	im:7138239	4.280142431	6.107705414	-1.827562983	0.000339
peak_41854	chr4	54389578	54389881	-790081	Intergenic	NM_001109740	zgc:173619	1.618352549	3.445935515	-1.827582966	0.024133
peak_30775	chr3	23754512	23755023	-1572	Intergenic	NM_205716	casc3	3.621928594	5.449544254	-1.82761566	0.002468
peak_18813	chr8	3165298	3166023	-86330	Intergenic	NM_001040010	lhx2b	6.134368006	7.961985182	-1.827617176	2.14E-05
peak_32029	chr24	39455030	39456162	3412	exon (NM_001009983, exon 2 of 4)	NM_001009983	metrn	6.087801773	7.915423101	-1.827621328	0.003449
peak_24951	chr9	43534469	43535057	22588	intron (NM_182872, intron 1 of 9)	NM_182872	tfpia	4.883141315	6.710774593	-1.827633278	0.00038
peak_17952	chr7	70465334	70466569	-34856	Intergenic	NM_199682	ap1g1	6.591354181	8.41912264	-1.827768459	1.33E-05
peak_19175	chr25	32284553	32285115	-8051	Intergenic	NM_001126392	zgc:172145	5.493759878	7.321583051	-1.827823172	2.60E-05
peak_41397	chr24	34764403	34764769	67826	Intergenic	NM_001008621	zgc:101800	2.570823028	4.39865194	-1.827828912	0.02262
peak_23794	chr18	304369	304743	-3400	Intergenic	NM_199903	larp6	4.933017882	6.760849647	-1.827831765	0.000236
peak_31809	chr23	42792962	42793662	40952	intron (NM_001127473, intron 2 of 3)	NM_001079852	cyp2aa3v1	4.927248682	6.755166793	-1.827918112	0.003274
peak_40415	chr6	20946869	20947177	-83126	Intergenic	NM_205740	barhl2	2.834474036	4.662610865	-1.82813683	0.019298
peak_28093	chr11	138846	139284	-18975	Intergenic	NM_001281478	col2a1b	4.374503711	6.202720726	-1.828217015	0.001138
peak_28168	chr3	41850092	41850483	-61994	Intergenic	NM_130971	lfng	4.598418383	6.426655564	-1.828237181	0.001164
peak_20047	chr23	23378049	23378850	95110	Intergenic	NM_001003830	noc2l	5.61606071	7.444377049	-1.828316339	4.24E-05
peak_24527	chr7	10868850	10869269	-173652	Intergenic	NM_214730	asb7	4.892054049	6.720471294	-1.828417245	0.000321
peak_30197	chr24	35654957	35655295	-172957	Intergenic	NM_001002724	zgc:92591	3.408090078	5.236612605	-1.828522527	0.002144
peak_26866	chr1	11716147	11716478	25677	Intergenic	NM_200896	zgc:77739	4.108061062	5.936620335	-1.828559273	0.000745
peak_27433	chr4	22988566	22988926	-89237	Intergenic	NM_194401	celf2	3.774593768	5.603162647	-1.828568879	0.000903
peak_26732	chr25	211008	211483	-32784	intron (NM_001077771_1, intron 2 of 2)	NM_001013455	zgc:114188	4.911263383	6.739952617	-1.828689234	0.000709
peak_25458	chr8	6371253	6371663	431312	Intergenic	NM_001082937	or129-1	4.00478143	5.833767626	-1.828986196	0.000458
peak_26731	chr5	68639438	68639871	11322	intron (NM_001100001, intron 1 of 17)	NM_001100001	camsap1b	4.561596548	6.390629302	-1.829032754	0.000709

peak_30531	chr3	24600548	24600888	28337	Intergenic	NM_001113733	csf2rb	4.163239007	5.992342181	-1.829103174	0.002326
peak_26112	chr16	54655771	54656279	-55151	Intergenic	NM_213187	dhdds	4.057383766	5.886504481	-1.829120715	0.000572
peak_30166	chr25	17821783	17822145	59276	Intergenic	NM_213432	e2f4	4.377741773	6.20718489	-1.829443117	0.00212
peak_33636	chr19	31003166	31003500	-40171	Intergenic	NM_213223	marcksl1b	3.383019995	5.212510126	-1.829490131	0.005075
peak_16146	chr9	24363066	24364154	28216	Intergenic	NM_213248	arl4cb	7.060671722	8.890181993	-1.829510271	4.13E-06
peak_25576	chr17	17448939	17449462	137231	intron (NM_001123049, intron 3 of 9)	NM_001123049	adck1	4.06002242	5.889584215	-1.829561795	0.000477
peak_33843	chr12	18306388	18306778	37470	intron (NM_001002607, intron 4 of 6)	NM_001002607	rnls	3.412226395	5.241804433	-1.829578038	0.00531
peak_24683	chr3	12735794	12736422	-12912	Intergenic	NM_001110762	vasnb	4.908295128	6.738183747	-1.829888619	0.000343
peak_27081	chr14	30422681	30423078	-222152	Intergenic	NM_001045414	zgc:153146	3.859012881	5.688990904	-1.829978024	0.000799
peak_28003	chr11	24714691	24715151	-18071	Intergenic	NM_001145767	nfasca	4.456075431	6.286115041	-1.83003961	0.001105
peak_26544	chr4	10289996	10290577	52668	Intergenic	NM_001045037	tspan11	4.451058288	6.281129586	-1.830071299	0.000663
peak_20326	chr13	13187522	13188256	-32262	Intergenic	NM_131606	fgfr3	6.24106094	8.071236281	-1.830175341	4.89E-05
peak_36896	chr9	20059652	20060292	74419	Intergenic	NM_001007439	slc37a1	5.082982761	6.91317101	-1.830188249	0.010349
peak_25061	chr17	17347026	17347911	-69416	intron (NM_001123049, intron 8 of 9)	NM_001080009	nrxn3a	5.627276095	7.457491803	-1.830215708	0.000396
peak_29927	chr4	23357523	23358194	-458349	Intergenic	NM_194401	celf2	4.128390782	5.958619576	-1.830228794	0.001982
peak_19818	chr2	60266586	60268091	-324678	intron (NM_212882_1, intron 9 of 9)	NR_030000		7.238862298	9.069419244	-1.830556946	3.71E-05
peak_25624	chr25	24618578	24618989	117934	Intergenic	NM_001002052	mrpl23	4.703658466	6.534386215	-1.830727749	0.000484
peak_19209	chr6	33472068	33473335	103605	Intergenic	NM_001287082	tmem69	6.826975064	8.657777326	-1.830802262	2.65E-05
peak_23524	chr16	40975553	40976016	23360	Intergenic	NM_200060	cdc42se1	4.755138436	6.586026656	-1.830888219	0.000209
peak_26285	chr20	50724301	50724905	-172942	Intergenic	NM_001144797	LOC569213	4.688341143	6.519264686	-1.830923543	0.000606
peak_40756	chr25	23032360	23032697	-10753	Intergenic	NM_152953	cyp11a1	2.803316476	4.63441735	-1.831100874	0.020405
peak_20706	chr5	19528729	19529227	-30009	Intergenic	NM_001100015	chfr	4.944529182	6.775679821	-1.831150638	5.87E-05
peak_30887	chr7	72862052	72862420	-26774	Intergenic	NM_001020693	gba3	3.492783688	5.324112717	-1.831329028	0.002547
peak_23416	chr18	22408301	22408737	21596	intron (NM_001135133, intron 1 of 6)	NM_001135133	bcar1	4.35851614	6.18985386	-1.83133772	0.000199
peak_20229	chr9	55038521	55039246	-63315	Intergenic	NM_001009888	sox21b	5.650685502	7.48206375	-1.831378248	4.65E-05
peak_16762	chr4	16156904	16157854	-33299	Intergenic	NM_001033585	sox5	6.78443502	8.615848478	-1.831413458	6.19E-06
peak_27545	chr25	30554091	30554498	-97749	Intergenic	NM_001034978	pim3	3.974250173	5.805731227	-1.831481053	0.00094
peak_38012	chr5	54859397	54859814	-31137	Intergenic	NM_212961	cdk7	3.825287705	5.656810495	-1.83152279	0.012802
peak_19569	chr23	43962788	43963387	24623	Intergenic	NM_001017554_3	rnf150a	5.57318781	7.404718298	-1.831530488	3.22E-05
peak_22619	chr15	43403500	43404094	-56485	intron (NM_214806, intron 13 of 15)	NM_001033729	aasdhppt	4.900218919	6.731992075	-1.831773157	0.000142
peak_34830	chr6	43982444	43982915	-7068	Intergenic	NM_001012373	rybpb	3.243333623	5.075211579	-1.831877957	0.006601
peak_31579	chr14	52442525	52443014	91530	intron (NM_001077724, intron 11 of 12)	NM_001077724	zgc:154054	3.713796698	5.545706471	-1.831909773	0.003063
peak_25873	chr23	39498372	39498781	6122	intron (NM_001003837, intron 1 of 11)	NM_001003837	src	3.886118348	5.718140963	-1.832022614	0.000526
peak_22396	chr2	3459863	3460349	-15147	exon (NM_200402, exon 8 of 8)	NM_001002126	guk1a	5.942028049	7.774067563	-1.832039514	0.00013
peak_20569	chr3	33262237	33263371	-12120	Intergenic	NM_131399	rarab	6.226696054	8.058794113	-1.832098059	5.52E-05
peak_37802	chr4	13662629	13663145	44884	Intergenic	NM_001114488	si:ch211-127b11.	4.27099468	6.103363044	-1.832368364	0.012284
peak_21358	chr23	22830966	22831526	-13801	Intergenic	NM_001025460	spsb1	5.044744971	6.877147118	-1.832402147	7.96E-05
peak_19992	chr21	1017618	1018102	-89842	Intergenic	NM_201138	txnl1	6.564154628	8.396562896	-1.832408268	4.10E-05
peak_23410	chr20	45427838	45428322	435535	Intergenic	NM_001080702	zgc:158643	4.83374822	6.666178338	-1.832430117	0.000199
peak_17330	chr4	22938526	22939145	-39326	Intergenic	NM_194401	celf2	6.838389091	8.67090873	-1.832519639	8.67E-06
peak_17200	chr7	70433180	70433798	-2394	Intergenic	NM_199682	ap1g1	6.284661742	8.117214662	-1.83255292	7.99E-06
peak_36482	chr7	28897410	28897807	-30783	Intergenic	NM_001002013	copb1	4.607465695	6.440090143	-1.832624448	0.009514
peak_37809	chr16	15481273	15481507	44098	Intergenic	NM_200151	josd2	3.340116769	5.172821363	-1.832704594	0.0123
peak_30569	chr5	30139593	30140153	-5247	Intergenic	NR_040607		4.561542232	6.394261046	-1.832718814	0.002351
peak_18584	chr13	43928121	43929005	-26864	Intergenic	NM_213128	eif3s6ip	7.048911643	8.881698974	-1.832787331	1.86E-05
peak_32428	chr19	15916393	15916835	421348	Intergenic	NM_001201443	gmeb1	4.147125313	5.980296244	-1.833170931	0.003817
peak_25025	chr4	23174223	23174659	-274932	Intergenic	NM_194401	celf2	5.025219491	6.858413597	-1.833194106	0.000391
peak_28035	chr8	27371708	27372296	-2954	Intergenic	NM_001122712	sema3bl	4.930178236	6.763407773	-1.833229538	0.001115
peak_23917	chr3	28344684	28345138	-118097	Intergenic	NM_001005596	rbfox1	4.288041959	6.121310846	-1.833268887	0.000248
peak_26058	chr17	39367971	39368319	-16219	Intergenic	NM_212821	crim1	3.552201346	5.386000436	-1.83379909	0.000561
peak_20589	chr8	27098815	27099409	16098	Intergenic	NM_001113654	wdr6	6.552904014	8.386792534	-1.833888519	5.56E-05
peak_25911	chr5	35901665	35902349	-98994	Intergenic	NM_001128543	LOC567525	4.722150645	6.556130723	-1.833980078	0.000534
peak_18857	chr24	39540192	39541099	45749	Intergenic	NM_001025297	crp2	6.040389474	7.87464982	-1.834260345	2.19E-05
peak_23208	chr14	31930190	31930863	-1429	Intergenic	NM_001112675	mbnl3	3.991020297	5.825330834	-1.834310537	0.000184
peak_27609	chr7	9637630	9637995	50287	intron (NM_001020496, intron 1 of 4)	NM_194409	vax2	5.225261711	7.059591919	-1.834330208	0.000962
peak_22553	chr5	516972	517533	16484	intron (NM_001004603, intron 4 of 8)	NM_001004603	ass1	4.613817609	6.448369834	-1.834552225	0.000138
peak_29977	chr11	41733264	41733555	-52750	Intergenic	NM_001077733	znf362a	3.587486179	5.422135245	-1.834649065	0.002015
peak_20731	chr16	53901264	53902201	-61990	Intergenic	NM_001017775	zgc:110372	5.892424221	7.727078081	-1.83465386	5.94E-05
peak_23313	chr19	6807257	6807740	7937	intron (NM_001044927, intron 1 of 4)	NM_001044927	erf	4.832205444	6.667024929	-1.834819484	0.000191
peak_20780	chr19	36411946	36412565	9671	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	5.698163794	7.533032968	-1.834869174	6.06E-05
peak_19494	chr20	12012599	12013365	-724653	Intergenic	NM_001100043	flrt2	6.240753282	8.075656116	-1.834902834	3.08E-05
peak_17506	chr19	5917623	5919150	-24273	Intergenic	NM_214794	si:dkeyp-113d7.1	8.161853367	9.996767103	-1.834913736	9.82E-06
peak_40298	chr21	16922306	16922987	35390	Intergenic	NM_001123389	brd3a	1.938847741	3.773837602	-1.834989861	0.018928
peak_22329	chr5	46200951	46201534	-73232	Intergenic	NM_001099990	dapk1	4.620089523	6.455170598	-1.835081075	0.000126
peak_18656	chr3	54047879	54048689	54863	Intergenic	NM_214779	nr5a5	6.288058373	8.123447377	-1.835389004	1.94E-05
peak_23399	chr5	29172574	29173128	2783	intron (NM_205585, intron 1 of 2)	NM_205585	sfrp1a	5.449075896	7.284520691	-1.835444795	0.000198
peak_18175	chr25	12141103	12141911	397341	Intergenic	NM_001256664	ntrk3a	5.496684491	7.332227651	-1.835543159	1.51E-05
peak_43534	chr8	16190843	16191282	319811	intron (NM_001017754, intron 4 of 4)	NM_001017754	agbl4	3.930136166	5.765928829	-1.835792664	0.030916
peak_27741	chr16	982750	983229	162339	Intergenic	NM_207185	irx1a	3.763304282	5.599153917	-1.835849634	0.001008
peak_24579	chr24	23836314	23836762	442794	Intergenic	NM_001075111	hnf4g	4.332498034	6.168374295	-1.83587626	0.000328
peak_30241	chr3	42473975	42474218	-41550	Intergenic	NM_001109869	kdm8	3.389328476	5.225271889	-1.835943413	0.002165
peak_25934	chr11	2811931	2812535	70157	Intergenic	NM_001080669	srpk1b	3.895012766	5.730963617	-1.835950851	0.000538
peak_29397	chr24	5777768	5778060	-2579	Intergenic	NM_001114926	dia1b	3.958780025	5.794821126	-1.836041101	0.001706
peak_23713	chr17	36116039	36116507	-57538	Intergenic	NM_131336	sox11a	4.722983386	6.559038728	-1.836055342	0.000227
peak_18884	chr12	44957785	44958600	-181504	Intergenic	NM_001110011_1	dock1	6.720692192	8.556808503	-1.836116311	2.22E-05
peak_28346	chr1	47603565	47604024	7563	exon (NM_001045562, exon 10 of 10)	NM_001045562	setd4	4.449046535	6.28543398	-1.836387445	0.001229
peak_23241	chr9	38218562	38218978	24625	intron (NM_130967, intron 1 of 13)	NM_130967	gli2a	4.547508126	6.383913693	-1.836405567	0.000186
peak_21459	chr8	2868790	2869641	51763	Intergenic	NM_001126405	naif1	6.831240371	8.667752124	-1.836511753	8.37E-05
peak_31566	chr8	21253421	21253867	122716	Intergenic	NM_001123271	si:ch211-133l5.7	3.730456497	5.56723439	-1.836777893	0.003052
peak_34166	chr14	48176722	48176968	-31550	Intergenic	NM_001080662	shisa3	3.455073397	5.291905001	-1.836831604	0.005719
peak_39527	chr5	41538371	41538721	-80867	Intergenic	NM_001100075	tmem175	1.967238845	3.804083896	-1.83684505	0.016699
peak_21889	chr14	33511152	33512220	-107635	Intergenic	NM_001039135	inppl1b	6.083612358	7.920511328	-1.83689897	0.000104
peak_25898	chr24	3458842	3459183	38567	Intergenic	NM_001013563	slc35g2b	4.110608718	5.947633632	-1.837024914	0.000532
peak_37274	chr1	53385075	53385462	97057	Intergenic	NM_001081629	smarca5	3.866656906	5.703702458	-1.837045552	0.011164
peak_20402	chr11	34208116	34208569	246489	Intergenic	NM_001024389	lims1	4.852178391	6.689380543	-1.837202152	5.09E-05
peak_23811	chr14	41198762	41199342	495582	Intergenic	NM_001127519	pcdh19	4.30933272	6.14656521	-1.83723249	0.000238
peak_43048	chr11	847579	847790	46167	Intergenic	NM_001042731	hrh1	2.205700064	4.04309718	-1.837397116	0.028838
peak_23114	chr3	24416378	24417069	29525	Intergenic	NR_030095		5.382462293	7.21987316	-1.837410867	0.000178
peak_25294	chr16	38914517	38914978	-289978	Intergenic	NM_001200061	LOC100005807	4.396653674	6.234104544	-1.83745087	0.000431
peak_31262	chr14	45747612	45748035	-49982	Intergenic	NM_001007358	adra1bb	4.92507927	6.762622352	-1.837543082	0.002816
peak_25483	chr15	6330870	6331510	-17520	Intergenic	NM_001005991	zgc:103530	5.196066283	7.033695405	-1.837629122	0.000461
peak_21661	chr25	23194184	23194759	-116181	Intergenic	NM_001045312	stra6	4.282403856	6.120063125	-1.837659269	9.24E-05
peak_21224	chr1	30851743	30852138	118144	Intergenic	NM_001256665	cenpk	4.900954991	6.738696449	-1.837741459	7.47E-05
peak_26658	chr1	39607382	39607680	128908	Intergenic	NR_030668		3.723815645	5.561571014	-1.837755368	0.000688
peak_24011	chr1	39754111	39754832	4067	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	4.823690559	6.661503236	-1.837812677	0.000258
peak_26831	chr1	24379167	24379683	-25892	Intergenic	NM_001077384	sfrp2	4.703658466	6.541471428	-1.837812962	0.000736
peak_23529	chr4	17192010	17192575	77303	intron (NM_001100017, intron 3 of 25)	NM_001100017	anks1b	4.097825209	5.935764564	-1.837939354	0.000209
peak_36912	chr10	9844035	9844364	203295	Intergenic	NM_001044910	si:ch211-243g18.	3.475098368	5.313042785	-1.837944417	0.010369
peak_21392	chr25	10995579	10996181	-10700	Intergenic	NM_001002539	ap3s2	4.66161059	6.499577685	-1.837967095	8.13E-05
peak_36647	chr15	13786426	13786852	-35503	Intergenic	NM_001030204	dpf1	4.169361555	6.007396226	-1.83803467	0.009827
peak_29267	chr5	63339446	63339793	89034	Intergenic	NM_001017711	grk1b	3.500574775	5.338762565	-1.838187789	0.001646
peak_41561	chr13	51407830	51408294	56602	Intergenic	NM_001045357	cox5b2	4.497601268	6.335829367	-1.838228099	0.023163
peak_27565	chr16	445134	445494	-46540	Intergenic	NM_131755	slc6a3	4.133410493	5.971675738	-1.838265246	0.000947
peak_17517	chr19	29177081	29178044	33023	Intergenic	NR_105066		6.720888474	8.559223149	-1.838334676	9.89E-06
peak_22753	chr13	16226666	16227206	8716	intron (NM_001114628, intron 2 of 2)	NM_001114628	vwc2	4.593873361	6.432352641	-1.83847928	0.000151

peak_34637	chr10	11804240	11804472	1893	intron (NM_001076644, intron 3 of 11)	NM_001076644	trim23	2.822091642	4.660631381	-1.838539738	0.006362
peak_29835	chr5	19424960	19425528	-133743	Intergenic	NM_001100015	chfr	4.556933841	6.395499438	-1.838565597	0.001934
peak_16418	chr1	17577253	17578254	13097	Intergenic	NM_001161335	zgc:195282	7.077736694	8.916409057	-1.838672362	4.98E-06
peak_38900	chr23	28266497	28266858	3588	TTS (NM_194371)	NM_194371	sp5l	3.041371788	4.880095927	-1.838724139	0.01498
peak_43412	chr8	30861792	30862108	-103389	Intergenic	NM_001040637	fancc	3.219927938	5.058715136	-1.838787198	0.030466
peak_16970	chr8	34833634	34834407	72286	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	7.08424168	8.923221459	-1.838979779	6.93E-06
peak_24384	chr25	37782104	37782516	294750	intron (NM_200913, intron 8 of 8)	NM_213100_1	irx3b	4.585656064	6.424657377	-1.839001313	0.000303
peak_19089	chr12	44767338	44768333	8853	intron (NM_001110011_1, intron 2 of 20)	NM_001110011_1	dock1	6.625234126	8.464299773	-1.839065647	2.49E-05
peak_24586	chr18	45787100	45787558	39244	Intergenic	NM_199925	zgc:77304	4.033337828	5.872430651	-1.839092823	0.000328
peak_25842	chr11	27771080	27771465	-136103	Intergenic	NM_001045307	acad9	4.652897542	6.492142287	-1.839244744	0.00052
peak_18289	chr8	3167670	3168507	-83902	Intergenic	NM_001040010	lhx2b	7.031994474	8.871241261	-1.839246788	1.61E-05
peak_25414	chr1	33120000	33120477	53212	intron (NM_001256719, intron 4 of 6)	NM_001256719	dhrsx	5.547978135	7.387347566	-1.83936943	0.00045
peak_17464	chr22	40270428	40271284	64828	Intergenic	NM_213118	sox2	7.111590755	8.950979163	-1.839388408	9.51E-06
peak_22052	chr12	1915484	1915794	241724	Intergenic	NM_131643	sox9a	4.44299439	6.282543764	-1.839549374	0.000111
peak_19430	chr9	13902400	13902894	-107177	Intergenic	NM_001076586	abi2a	5.097183051	6.936749909	-1.839566858	2.97E-05
peak_16042	chr4	25438376	25439075	-75550	Intergenic	NM_001002629	tnni1d	7.661176185	9.500787474	-1.839611289	3.88E-06
peak_30159	chr22	12183571	12183857	-88906	intron (NM_001045311, intron 11 of 16)	NM_212586	ccnt2b	3.644959288	5.484577038	-1.83961775	0.002116
peak_19060	chr11	43089498	43090113	-100	promoter-TSS (NM_182875)	NM_182875	her15.1	6.995507079	8.835163668	-1.839656589	2.46E-05
peak_27355	chr3	21535093	21535546	-41885	Intergenic	NM_001006067	syngr1a	4.002039684	5.841700737	-1.839661052	0.000878
peak_31187	chr15	20314553	20315178	76488	Intergenic	NM_001128755	ubash3bb	4.454129184	6.293937123	-1.83980794	0.002749
peak_19125	chr14	5056171	5056830	-335525	Intergenic	NM_001007134	lbx2	6.843994982	8.684287992	-1.84033801	2.54E-05
peak_26434	chr10	39658876	39659288	-49232	Intergenic	NM_001001886	usp25	4.063971374	5.904362487	-1.840391112	0.000637
peak_24682	chr7	75350205	75350853	-112399	Intergenic	NM_001002436	psmd9	4.658131683	6.498550671	-1.840418988	0.000343
peak_22167	chr24	23122633	23123269	241519	Intergenic	NM_199680	zc2hc1a	5.720066689	7.560803614	-1.840736925	0.000117
peak_29524	chr11	10222837	10223224	-185116	Intergenic	NM_001142265	nlgn1	3.833022039	5.673777957	-1.840755918	0.00177
peak_35317	chr6	29485208	29485833	-19473	Intergenic	NM_194376	ptmaa	4.115764558	5.956657324	-1.840892766	0.007346
peak_26631	chr11	42148069	42155851	26474	Intergenic	NM_001080699	slc45a1	9.388823225	11.22973901	-1.840915789	0.000683
peak_22814	chr17	48501379	48502122	-7063	Intergenic	NM_001201393_1	smoc1	5.584281953	7.425279571	-1.840997618	0.000155
peak_43713	chr4	10449070	10449585	-73296	Intergenic	NM_001017563	ankrd16	3.385125888	5.226280464	-1.841154575	0.031818
peak_27958	chr22	41026821	41027563	19336	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	4.796166148	6.63733331	-1.841167161	0.00109
peak_43528	chr6	49034163	49034482	-1924	Intergenic	NM_213408	slc25a22	3.073219981	4.914522203	-1.841302222	0.030881
peak_29256	chr1	12342324	12342724	-186652	Intergenic	NM_001115058	pcdh18a	3.911263383	5.752612388	-1.841349005	0.001642
peak_40622	chr8	16461020	16461572	49577	intron (NM_001017754, intron 3 of 4)	NM_001017754	agbl4	3.525720463	5.367142046	-1.841421583	0.019992
peak_19883	chr17	5380177	5380681	27013	Intergenic	NM_001077335	fam167aa	5.212203996	7.053676254	-1.841472257	3.84E-05
peak_15979	chr7	12617955	12619228	266002	Intergenic	NM_001080993	mex3b	8.654198308	10.49583057	-1.841632261	3.71E-06
peak_21233	chr19	1142181	1142610	-22985	Intergenic	NM_001130777	slc39a4	5.282968659	7.12468522	-1.841716561	7.50E-05
peak_18109	chr6	50379294	50380115	-23401	Intergenic	NM_001126109	mych	5.909392934	7.751163309	-1.841770374	1.46E-05
peak_33903	chr24	7579579	7579935	121027	Intergenic	NM_001076562	galnt11	3.406017464	5.247800312	-1.841782849	0.005412
peak_38573	chr5	49869484	49869756	-16050	Intergenic	NM_213371	tmem161b	3.730456497	5.572276408	-1.841819911	0.014151
peak_18863	chr15	9052898	9054027	-61798	Intergenic	NM_001004002	rab4b	8.204232252	10.04613072	-1.84189847	2.20E-05
peak_36012	chr3	13857908	13858461	18672	Intergenic	NM_001197065	nfil3-2	4.632603848	6.47453594	-1.841932092	0.008553
peak_25652	chr9	35509642	35510379	-102531	Intergenic	NM_001126411	shox	4.969345824	6.811385113	-1.842039289	0.000487
peak_34641	chr22	40042399	40042825	153356	Intergenic	NM_001003462	trim35-36	3.205700064	5.04776056	-1.842060496	0.006371
peak_18335	chr6	1170445	1171248	9261	intron (NM_001110010_1, intron 3 of 17)	NM_001110010_1	plxna1b	5.725894197	7.568252276	-1.842358079	1.64E-05
peak_20891	chr18	36948776	36949330	190725	Intergenic	NM_001089357	alx4b	5.648057263	7.490449349	-1.842392086	6.38E-05
peak_23426	chr11	30332908	30333582	-113996	Intergenic	NM_001114908		5.732136074	7.574596842	-1.842460767	0.0002
peak_17520	chr14	38822778	38825179	617079	Intergenic	NM_001048055	lect2l	7.577588329	9.420056185	-1.842467856	9.92E-06
peak_20949	chr11	35279948	35280400	129555	Intergenic	NM_001037377	pfkfb4	5.456605395	7.299117721	-1.842512326	6.53E-05
peak_22556	chr25	23930350	23931442	-155061	Intergenic	NM_200880	dusp8a	5.972541386	7.815205171	-1.842663785	0.000139
peak_30034	chr14	53039306	53039638	-76503	Intergenic	NM_199952	ube2d2l	3.380911023	5.223597118	-1.842686095	0.002042
peak_22156	chr1	28816427	28816890	9333	intron (NM_001002746, intron 4 of 22)	NM_001002746	pcca	4.451058288	6.293745388	-1.8426871	0.000117
peak_26418	chr13	27911613	27912221	-80909	Intergenic	NM_001013529	asrgl1	5.357980158	7.200893836	-1.842913679	0.000636
peak_23137	chr16	23066747	23067089	47984	Intergenic	NM_200628	skap2	3.996540512	5.839562655	-1.843022144	0.00018
peak_25064	chr20	2072812	2073600	-73282	intron (NM_001278799, intron 47 of 49)	NM_001245964	l3mbtl3	4.535233816	6.378311114	-1.843077298	0.000397
peak_21762	chr9	52297022	52297672	-314201	Intergenic	NM_001242770	gcgb	6.001373455	7.844714307	-1.843340852	9.71E-05
peak_33474	chr18	2533274	2533576	-7027	exon (NM_001080007, exon 6 of 13)	NM_001025185	ompa	3.738714804	5.582225359	-1.843510555	0.00489
peak_35277	chr14	6249485	6249872	-14489	intron (NM_200199, intron 11 of 11)	NM_001202494	LOC797948	1.800163388	3.643709033	-1.843545645	0.007296
peak_25111	chr13	41401349	41402147	19032	Intergenic	NM_212830	nkx1.2la	6.02289397	7.866639714	-1.843745744	0.000404
peak_23952	chr21	11302176	11302629	-15516	intron (NM_001003591, intron 3 of 5)	NM_001033747	zgc:109965	5.130902821	6.974723371	-1.84382055	0.000252
peak_35351	chr2	45006018	45006226	1475	3' UTR (NM_001145089, exon 2 of 2)	NM_001145089	camk2n1a	2.793836463	4.63777882	-1.843942357	0.007415
peak_28278	chr6	13258480	13258843	15553	Intergenic	NM_200806	rprmb	3.815860363	5.65981581	-1.843955448	0.001202
peak_18712	chr22	41599529	41600031	-67939	Intergenic	NM_001109940	si:ch211-126j24.3	5.696444173	7.540473095	-1.844028922	2.01E-05
peak_42166	chr16	3457282	3457903	16869	intron (NM_001014333, intron 6 of 8)	NM_001014333	cdcp1a	1.950271315	3.794341266	-1.84406995	0.025212
peak_21476	chr10	1167458	1167866	23241	intron (NM_001114924_1, intron 2 of 4)	NM_001114924_1	bmpr1bb	4.193665276	6.037835555	-1.844170278	8.43E-05
peak_31295	chr9	8489315	8489702	39627	Intergenic	NM_001045426	zgc:153499	3.60023239	5.444402724	-1.844170334	0.002845
peak_31165	chr9	3436918	3437748	-40179	Intergenic	NM_131311	dlx2a	5.368662153	7.212846702	-1.844184549	0.002733
peak_28085	chr10	9976495	9976910	318748	Intergenic	NR_029938		4.531436	6.375668782	-1.844232782	0.001136
peak_43283	chr21	44174113	44174458	8388	intron (NM_213507, intron 7 of 7)	NM_213507	faxdc2	0.653720264	2.498109906	-1.844389641	0.029887
peak_30272	chr3	15623274	15623594	-3326	exon (NM_001007376, exon 4 of 4)	NM_130928	nme3	3.982700169	5.827182644	-1.844482475	0.002178
peak_22813	chr3	62279727	62280061	4769	intron (NM_001109768, intron 1 of 5)	NM_001109768	nptx2a	4.42564779	6.270253119	-1.844605329	0.000155
peak_32151	chr3	58689748	58690203	-73033	Intergenic	NM_001161654	notum1a	4.271061115	6.115672281	-1.844611166	0.003543
peak_41462	chr16	45854120	45854440	-4734	Intergenic	NM_001030103	nudt17	3.313826142	5.158524835	-1.844698692	0.022819
peak_34930	chr14	17071371	17071673	405340	Intergenic	NM_001044746	cnga5	3.776199364	5.620980919	-1.844781555	0.006772
peak_19638	chr9	49357933	49358467	-59	promoter-TSS (NM_001159842)	NM_001159842	col28a1a	6.207749016	8.052570968	-1.844821952	3.36E-05
peak_19248	chr6	13096019	13097340	19551	Intergenic	NM_199949	eef1b2	6.403972161	8.248880938	-1.844908777	2.70E-05
peak_35920	chr19	22204562	22205157	-5969	Intergenic	NM_001159669	LOC100003866	5.115764558	6.960728194	-1.844963636	0.00839
peak_17280	chr9	27035788	27036849	-12984	Intergenic	NM_001128555	arhgap15	7.074804136	8.919797952	-1.844993816	8.42E-06
peak_17334	chr7	21388667	21389688	-28868	Intergenic	NM_212648	dvl2	7.565657321	9.410680634	-1.845023313	8.69E-06
peak_25968	chr5	41335882	41336686	-32105	intron (NM_199829, intron 5 of 14)	NM_001105279	prkg2	4.822913981	6.667988274	-1.845074293	0.000543
peak_18931	chr3	6620930	6622290	-57616	Intergenic	NM_001089460	pkn1b	6.209829719	8.054951976	-1.845122257	2.28E-05
peak_17890	chr20	29571864	29572283	-13226	Intergenic	NM_001025298	taf1b	5.995851639	7.841037712	-1.845186073	1.28E-05
peak_20382	chr1	4105004	4105659	-67918	Intergenic	NM_001003842	spry2	6.496211676	8.341723937	-1.845512262	5.05E-05
peak_20955	chr9	26850413	26851510	-23104	intron (NM_001114551, intron 1 of 8)	NM_001017560	gtdc1	6.169990197	8.015647192	-1.845656994	6.55E-05
peak_29928	chr16	51672769	51673123	-68121	intron (NM_199595, intron 9 of 13)	NM_001003763	eif3ha	2.964424746	4.810087382	-1.845662636	0.001983
peak_27531	chr13	35484603	35485073	-75975	Intergenic	NM_131863	jag1b	3.938764103	5.78451234	-1.845748237	0.000935
peak_30672	chr5	51262374	51262903	-264935	Intergenic	NM_131180	nr2f1a	4.180317088	6.026263985	-1.845946896	0.002411
peak_23363	chr17	100745	101524	29121	Intergenic	NM_001256003	dio3a	4.342286181	6.188311763	-1.846025582	0.000195
peak_30664	chr15	7861483	7861798	85006	intron (NM_001113555, intron 1 of 9)	NM_001113555	cadm2b	4.067909549	5.914047482	-1.846137932	0.002406
peak_31522	chr15	21856061	21856412	-59654	Intergenic	NM_001110169_2	zgc:171957	3.991020297	5.837494672	-1.846474375	0.003019
peak_20902	chr11	33395898	33396875	139115	intron (NM_001160822, intron 3 of 3)	NM_001160822	pcdh17	6.227006724	8.07354969	-1.846542967	6.42E-05
peak_27665	chr14	48073667	48073882	71521	Intergenic	NM_001080662	shisa3	2.803316476	4.64988503	-1.846568555	0.000979
peak_28471	chr12	46601858	46602132	19440	Intergenic	NM_212942	fbxl15	3.152152513	4.998738821	-1.846586307	0.001277
peak_18605	chr8	54965545	54966581	-9692	Intergenic	NM_001037410	zgc:123194	6.675910694	8.522591376	-1.846680682	1.89E-05
peak_19231	chr14	36315317	36316257	206227	Intergenic	NM_001007108	il12ba	5.715446952	7.562264917	-1.846817965	2.68E-05
peak_29546	chr5	55508370	55508873	-277922	intron (NM_001020519, intron 6 of 10)	NM_001281844	pik3r1	4.017134431	5.864040198	-1.846905766	0.001785
peak_23723	chr18	48621476	48621790	-205917	Intergenic	NM_001045317	mob2b	3.730456497	5.577422904	-1.846966407	0.000228
peak_32594	chr11	33763214	33763637	-227924	Intergenic	NM_001160822	pcdh17	4.135913813	5.98291694	-1.847003127	0.003973
peak_21481	chr15	37137525	37137970	218140	Intergenic	NM_001044799	stim1a	5.128390782	6.975843337	-1.847452555	8.45E-05
peak_16893	chr16	34663883	34664811	-46041	Intergenic	NM_001130601	mms22l	7.676770549	9.524329979	-1.847559431	6.64E-06
peak_35840	chr11	39425328	39425826	-84651	Intergenic	NR_034195		4.169361555	6.016956823	-1.847595268	0.008278
peak_26663	chr25	4557502	4557963	-246177	Intergenic	NM_131786	cry3	3.899439496	5.747140247	-1.847700751	0.000691
peak_24470	chr16	5390516	5391369	84873	Intergenic	NM_201200	ppp1r8b	5.721317424	7.569026157	-1.847708733	0.000312
peak_39794	chr12	14736302	14737039	-8530	Intergenic	NM_001003984	stat5.2	4.0373604	5.885171805	-1.847811404	0.017378
peak_30203	chr22	23034646	23034936	52086	intron (NM_131463, intron 8 of 11)	NM_131463	nr5a2	3.977045192	5.824906311	-1.847861119	0.002146
peak_21120	chr24	40353823	40354279	-23561	Intergenic	NM_130992	nog2	4.340116769	6.188059271	-1.847942502	7.12E-05

peak_26524	chr9	27505155	27506052	368444	Intergenic	NM_131023	efnb2a	5.72962806	7.577608567	-1.847980506	0.000659
peak_23541	chr21	33721237	33721991	-59134	intron (NM_203461, intron 9 of 14)	NM_001003871	wdr55	5.768176989	7.616270298	-1.848093309	0.00021
peak_28472	chr4	35419581	35420096	-40607	intron (NM_001135989_1, intron 1 of 3)	NM_001115108	zgc:174273	3.291414275	5.13983706	-1.848422785	0.001277
peak_20704	chr9	8391946	8392696	-46261	Intergenic	NM_001109720	zgc:171776	5.70913229	7.557738837	-1.848606548	5.87E-05
peak_20718	chr15	28438799	28439844	24222	Intergenic	NM_001089384	zgc:162698	5.313208775	7.161828425	-1.84861965	5.90E-05
peak_18033	chr9	42920299	42921300	-66703	Intergenic	NM_001039630	col18a1	6.253522649	8.10218357	-1.848660921	1.39E-05
peak_23698	chr7	58145838	58146598	-47656	Intergenic	NM_001077165	senp8	4.471080849	6.319776623	-1.848695774	0.000225
peak_26804	chr3	6273951	6274190	-112406	Intergenic	NM_212977	ddx39b	3.09910867	4.947877568	-1.848768899	0.000731
peak_17660	chr15	21428908	21429713	32208	Intergenic	NM_001271624	tmem136a	5.99343799	7.842224263	-1.848786272	1.10E-05
peak_22344	chr5	56254127	56254652	-99939	Intergenic	NM_001001727_1	rgmb	4.843015081	6.691849331	-1.84883425	0.000127
peak_20112	chr17	18002512	18003236	54750	Intergenic	NM_001099260	bcl11ba	5.980571993	7.829407264	-1.848835272	4.39E-05
peak_21469	chr5	51856845	51857514	-35632	Intergenic	NM_200418	fam172a	5.610221378	7.459246632	-1.849025254	8.41E-05
peak_25858	chr4	60164773	60165138	-81172	Intergenic	NM_201580	nup50	4.574572524	6.423725341	-1.849152817	0.000523
peak_42198	chr9	7525339	7525704	55292	Intergenic	NM_130963	desma	3.309268024	5.15852905	-1.849261025	0.025307
peak_20650	chr20	15359775	15360180	189632	Intergenic	NM_200805	prdx6	4.909027092	6.75846611	-1.849439018	5.72E-05
peak_17858	chr8	20659532	20660474	16069	intron (NM_001013278, intron 1 of 17)	NM_001013278	rfx2	7.052569546	8.902159715	-1.849590169	1.25E-05
peak_18747	chr1	35764389	35764921	70629	Intergenic	NM_001077565	zgc:152968	6.749031275	8.59862545	-1.849594175	2.04E-05
peak_34818	chr17	22851874	22852305	-124714	Intergenic	NM_001110464	rasgrp3	3.718814869	5.568493032	-1.849678163	0.006577
peak_20103	chr15	40735930	40736780	74696	Intergenic	NM_001007768	farsb	6.404476188	8.254170099	-1.849693911	4.37E-05
peak_37263	chr12	32770408	32770718	19725	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	3.568971639	5.418681776	-1.849710137	0.011141
peak_34481	chr22	40459480	40459889	-60156	Intergenic	NM_200761	dnajc19	4.504511106	6.354322375	-1.849811269	0.006171
peak_31774	chr8	15628933	15629335	50147	intron (NM_001113620, intron 2 of 10)	NM_001113620	bcar3	3.408090078	5.257933819	-1.849843741	0.003248
peak_18512	chr25	35199710	35200534	2770	TTS (NM_131285)	NM_131285	foxb1a	5.865104932	7.714993075	-1.849888143	1.80E-05
peak_31475	chr21	3551318	3552082	137669	Intergenic	NM_175082	smad7	4.431832417	6.281762607	-1.84993019	0.002977
peak_22000	chr18	23457272	23458261	201299	Intergenic	NM_131183	nr2f2	5.304333868	7.154305071	-1.849971203	0.000109
peak_31312	chr9	14389026	14389419	-4142	Intergenic	NM_001040366	prkag3b	3.943058799	5.793036572	-1.849977772	0.002856
peak_22970	chr10	10260572	10261352	34488	Intergenic	NR_029938		6.702367688	8.552498848	-1.85013116	0.000167
peak_30740	chr10	28469959	28470249	240693	Intergenic	NM_001020542	ints2	3.766538874	5.61669726	-1.850158385	0.002452
peak_25887	chr25	10969961	10970397	-32643	Intergenic	NM_001177458	lrp5	4.019847667	5.87000982	-1.850162154	0.00053
peak_23107	chr5	56535516	56536049	61795	Intergenic	NM_001130074	ptar1	4.777001492	6.627435095	-1.850433603	0.000177
peak_40779	chr15	34773356	34773672	223888	Intergenic	NM_001080189_1	zgc:158328	3.750292903	5.60089716	-1.850604257	0.020514
peak_27777	chr10	18994799	18995171	12496	intron (NM_001020517, intron 1 of 13)	NM_001020517	dpysl2b	4.754371579	6.604986165	-1.850614586	0.001024
peak_26832	chr6	34383146	34383580	1268	intron (NM_199274, intron 3 of 4)	NM_199274	rgs4	5.601617815	7.452293148	-1.850675333	0.000736
peak_17192	chr22	11532812	11533626	15431	Intergenic	NM_200832	mid1ip1b	7.716910714	9.56776387	-1.850853156	7.95E-06
peak_28218	chr9	22451421	22451905	10331	Intergenic	NM_207642	gja3	4.147197703	5.998234792	-1.851037089	0.00118
peak_19071	chr13	50076957	50078025	45674	intron (NM_001142263, intron 9 of 13)	NM_001142263	disc1	5.714609849	7.565780179	-1.85117033	2.47E-05
peak_19270	chr7	75847964	75848623	125657	Intergenic	NM_001077468	mrpl21	5.679359557	7.530617914	-1.851258358	2.74E-05
peak_26373	chr5	23167973	23168667	96765	Intergenic	NM_001114691	sh2d1aa	4.008884304	5.860180534	-1.85129623	0.000627
peak_33332	chr13	25330477	25330886	91311	intron (NM_001272084, intron 4 of 10)	NM_001272084	adka	3.329220506	5.180636597	-1.851416091	0.004735
peak_24232	chr15	34761030	34761429	211603	Intergenic	NM_001080189_1	zgc:158328	3.988252249	5.839761258	-1.851509009	0.000284
peak_19926	chr7	47727815	47728380	98504	Intergenic	NM_130995	ccne1	5.639677051	7.491205369	-1.851528318	3.94E-05
peak_28605	chr20	11332148	11332544	-44017	Intergenic	NM_001100043	flrt2	4.070529039	5.922251311	-1.851722272	0.001335
peak_17149	chr10	22791126	22791853	-85235	Intergenic	NM_001111177	zgc:172339	6.073489338	7.925321248	-1.85183191	7.74E-06
peak_25233	chr20	23754384	23754763	29897	intron (NM_001044792, intron 2 of 11)	NM_001044792	sh3rf1	3.449046535	5.300923806	-1.851877271	0.00042
peak_22777	chr5	69595151	69595537	149903	Intergenic	NM_001013309	htatip	4.589313976	6.441206175	-1.851892199	0.000152
peak_33642	chr2	50860514	50860791	-18401	Intergenic	NM_199659	cul1a	3.574626352	5.427063279	-1.852436927	0.005081
peak_19377	chr5	64202949	64204031	-220944	Intergenic	NM_199780	gatsl2	5.942743101	7.79534294	-1.852599838	2.89E-05
peak_21225	chr13	44190977	44191404	37790	intron (NM_001114316, intron 2 of 22)	NM_001114316	ablim1a	4.730456497	6.583102831	-1.852646334	7.47E-05
peak_18894	chr20	33338339	33339660	5635	TTS (NM_212614)	NM_212614	mycn	7.458849312	9.311617488	-1.852768176	2.23E-05
peak_20661	chr22	15388231	15388695	37758	Intergenic	NM_001007788	mfng	4.70702943	6.559977304	-1.852947874	5.74E-05
peak_20438	chr23	6579439	6580074	-6844	Intergenic	NM_001077146	bmp7b	5.79302051	7.645993694	-1.852973184	5.16E-05
peak_25804	chr1	50372825	50373158	51357	intron (NM_131426, intron 3 of 10)	NM_131426	lef1	4.040035898	5.893062738	-1.85302684	0.000514
peak_30338	chr9	23925467	23925862	26042	Intergenic	NM_001002339	arl5a	4.177889705	6.031029949	-1.853140244	0.002219
peak_22894	chr23	43240281	43240998	56377	Intergenic	NM_001006027	myl9a	5.245687247	7.098886412	-1.853199165	0.000161
peak_42645	chr2	37472920	37473195	-63499	Intergenic	NM_001076578	sdr39u1	2.570823028	4.42402705	-1.853204022	0.027038
peak_23803	chr1	41085795	41086325	46101	Intergenic	NM_001077293	zgc:153642	4.736242271	6.589491761	-1.853249489	0.000237
peak_23153	chr8	16144058	16144395	-321747	Intergenic	NM_001017814	spata6	4.594783512	6.448151415	-1.853367903	0.00018
peak_29787	chr6	20108218	20108618	29921	Intergenic	NM_001002216	gadd45ab	4.569951633	6.423429172	-1.853477539	0.001911
peak_23790	chr2	16155431	16155855	-114568	Intergenic	NM_001017611	zgc:110269	4.332498034	6.185975945	-1.85347791	0.000235
peak_38605	chr15	8218443	8218826	33666	intron (NM_001113555, intron 8 of 9)	NM_001040313	zgc:136739	3.660792356	5.514314656	-1.853522299	0.014233
peak_24269	chr7	22301428	22302126	-139842	Intergenic	NM_001017564	zgc:113025	5.464593781	7.318154307	-1.853560526	0.00029
peak_36470	chr11	10257229	10257619	-219510	Intergenic	NM_001142265	nlgn1	3.380911023	5.2345753	-1.853664277	0.009481
peak_23668	chr2	28400820	28401544	-203586	intron (NM_001013520, intron 2 of 15)	NM_001039633	cdh10	5.033337828	6.887010173	-1.853672345	0.000222
peak_30183	chr16	10254917	10255417	-291338	Intergenic	NM_001289913	cobl	4.322578924	6.176271024	-1.8536921	0.002135
peak_15759	chr25	8765182	8765949	-6198	Intergenic	NR_029997		7.850374991	9.704217572	-1.853842581	3.19E-06
peak_28707	chr21	25472135	25472349	6855	Intergenic	NM_001001593	rpl23a	3.683215657	5.537063089	-1.853847432	0.001372
peak_21341	chr21	3372586	3373578	-173141	Intergenic	NM_213302	hnrnpabb	5.682359636	7.536457218	-1.854097582	7.88E-05
peak_32055	chr21	30760771	30761211	42768	Intergenic	NM_001098766	zgc:165573	4.148438002	6.002539815	-1.854101813	0.003474
peak_17646	chr18	48182875	48184008	83590	Intergenic	NM_001007334	yif1b	6.367863741	8.22216481	-1.854301069	1.09E-05
peak_37793	chr2	41580317	41580742	2862	intron (NM_131345, intron 2 of 11)	NM_131345	acvr1l	4.344515472	6.198928521	-1.85441305	0.012266
peak_17652	chr14	27387539	27388187	-1721	Intergenic	NM_131279	emx3	7.210877604	9.06551635	-1.854638746	1.10E-05
peak_37903	chr16	49005150	49005606	10274	intron (NM_001077744, intron 1 of 11)	NM_001077744	otud7b	3.592962636	5.447616312	-1.854653676	0.012523
peak_30148	chr9	29339356	29339895	-31326	Intergenic	NM_001017818	creb1b	4.879411363	6.734096937	-1.854685574	0.002111
peak_21576	chr16	55111280	55111614	-77374	Intergenic	NM_001082926	si:ch211-107n13.	4.44299439	6.297681874	-1.854687484	8.90E-05
peak_33199	chr15	27159686	27160265	-100738	Intergenic	NM_131216	lhx1a	4.407114598	6.261938327	-1.854823728	0.0046
peak_15563	chr22	18953649	18956889	15326	intron (NM_207052, intron 6 of 6)	NM_207052	midn	9.274882704	11.12974637	-1.85486367	2.73E-06
peak_20935	chr15	13667609	13668356	22415	intron (NM_001012375, intron 1 of 8)	NM_001012375	numbl	5.289729102	7.144620696	-1.854891594	6.50E-05
peak_40719	chr2	22617551	22617915	12314	Intergenic	NM_214734	prrx1a	4.472129621	6.327025074	-1.854895453	0.020294
peak_17980	chr8	24144122	24145059	-64617	Intergenic	NM_001020476	dnmt3b	7.33479923	9.189707287	-1.854908057	1.35E-05
peak_24401	chr11	15192191	15192738	28856	Intergenic	NM_212764_1	zgc:55741	4.673771375	6.528732873	-1.854961498	0.000305
peak_26035	chr23	38517838	38518614	265286	Intergenic	NM_001020707	zgc:112994	5.672022415	7.527034146	-1.855011731	0.000556
peak_26363	chr25	15216455	15216901	85947	Intergenic	NM_200452	dnajc24	4.441983226	6.297128145	-1.855144918	0.000623
peak_30549	chr11	20448743	20449086	-28603	Intergenic	NM_131636	fezf2	3.740360808	5.59564107	-1.855280262	0.002336
peak_32289	chr24	459830	460220	9976	intron (NM_001115059, intron 1 of 8)	NM_001115059	tgfbr1b	3.641439946	5.496728258	-1.855288311	0.003682
peak_22500	chr8	9957019	9957407	157997	intron (NM_001098489, intron 5 of 31)	NM_001098489	plxna3	4.2869161	6.142302388	-1.855386288	0.000135
peak_16869	chr12	48712715	48713918	47085	Intergenic	NM_001017704	grem2	7.004116466	8.859558045	-1.855441579	6.54E-06
peak_27076	chr19	22101995	22103129	96328	Intergenic	NM_001159669	LOC100003866	5.238716735	7.094234054	-1.855517319	0.000796
peak_30974	chr3	52348503	52348895	43788	intron (NM_001040245, intron 1 of 12)	NM_001040245	baiap2a	4.230507512	6.086056622	-1.85554911	0.002602
peak_24536	chr1	55268792	55269100	5840	exon (NM_001134682, exon 7 of 12)	NM_001134682	cdc25d	4.138412798	5.994133658	-1.85572086	0.000322
peak_29173	chr5	28999222	28999619	-50075	Intergenic	NM_194391	hdr	4.152152513	6.007992095	-1.855839582	0.001597
peak_19037	chr1	50717255	50717842	80801	intron (NM_001080637, intron 22 of 24)	NM_001080637	tbck	4.979178573	6.83502722	-1.855848647	2.43E-05
peak_41796	chr3	20693759	20694085	13223	intron (NM_201130, intron 3 of 8)	NM_201130	spop	1.938847741	3.795045778	-1.856198038	0.023948
peak_17475	chr11	38912722	38914014	27017	Intergenic	NM_201004	snrpe	8.457852852	10.31418293	-1.856330079	9.58E-06
peak_35636	chr13	5793131	5793528	29081	Intergenic	NM_001003600	fam120b	4.347758476	6.204240491	-1.856482015	0.007899
peak_16887	chr16	11461719	11463605	28966	intron (NM_001114410, intron 2 of 5)	NM_001114410	ncalda	8.330157294	10.1868537	-1.856696407	6.63E-06
peak_28637	chr15	28374549	28375088	736	intron (NM_001077721, intron 1 of 11)	NM_001077721	si:ch211-137a8.2	4.400822864	6.25760151	-1.856778647	0.001345
peak_42083	chr4	7723455	7723707	-133183	Intergenic	NM_130937	wnt5b	2.639677051	4.496556575	-1.856879524	0.024945
peak_19952	chr7	73129481	73130221	239776	Intergenic	NM_001020693_1	gba3	5.978830007	7.835735117	-1.85690511	3.99E-05
peak_24278	chr20	22464795	22465200	5920	Intergenic	NM_001025512	gsx2	4.494735408	6.351683751	-1.856948343	0.000291
peak_24886	chr1	35828288	35829661	-73870	Intergenic	NM_001002077	lsm6	6.856950128	8.714061751	-1.857111623	0.000372
peak_30629	chr24	13658954	13659353	119630	Intergenic	NM_001007066	trpa1b	4.380911023	6.23807317	-1.857162147	0.002384
peak_31931	chr19	26337556	26337803	-79171	Intergenic	NM_212563	pard6gb	2.964424746	4.821720977	-1.857296231	0.003371
peak_28688	chr2	47908031	47908405	31115	intron (NM_001076634, intron 2 of 3)	NM_001100050	mbnl1	3.948848306	5.806149893	-1.857301587	0.001364
peak_21310	chr9	19374557	19375157	-21676	Intergenic	NM_212745	tsc22d1	5.352039769	7.209410059	-1.85737029	7.77E-05
peak_16481	chr24	25059504	25060323	-3667	Intergenic	NR_030061		6.807444473	8.664835743	-1.85739127	5.20E-06

peak_33868	chr11	42708836	42709251	151931	Intergenic	NM_001005938	park7	4.404002454	6.261776537	-1.857774084	0.005359
peak_17428	chr18	23881572	23882633	-223037	Intergenic	NM_131183	nr2f2	6.333572988	8.19134876	-1.857775772	9.28E-06
peak_23912	chr2	40146642	40147014	64929	intron (NM_153658, intron 2 of 15)	NM_153658	epha4b	4.367064887	6.224841247	-1.85777636	0.000247
peak_30619	chr5	6139806	6140054	131037	Intergenic	NM_205570	zgc:73226	3.277877455	5.135709546	-1.857832091	0.002379
peak_17487	chr18	46901014	46902004	-14208	Intergenic	NM_001017558_1	ets1	8.115648301	9.973685119	-1.858036817	9.68E-06
peak_23746	chr21	6474824	6476604	-232490	Intergenic	NM_001003486	olfm1b	5.822114313	7.680168876	-1.858054562	0.00023
peak_18903	chr7	28490840	28491830	74919	intron (NM_001123009, intron 4 of 14)	NM_001123009	sox6	6.700466352	8.55859746	-1.858131107	2.24E-05
peak_21532	chr6	2047244	2047806	-16896	Intergenic	NM_001083853	pbx1b	5.232882137	7.091127813	-1.858245675	8.68E-05
peak_31469	chr14	44307665	44308028	-101455	Intergenic	NM_001115099	pcdh18b	2.972850631	4.831122824	-1.858272193	0.002972
peak_25740	chr12	41252880	41253407	901742	Intergenic	NM_001099246	abca5	4.516087906	6.374363841	-1.858275934	0.000503
peak_17611	chr7	67206356	67207235	-81587	Intergenic	NM_001083583	ctr9	6.810984803	8.669290647	-1.858305844	1.07E-05
peak_39311	chr6	21115769	21116117	85794	Intergenic	NM_205740	barhl2	4.054663095	5.913003797	-1.858340701	0.016102
peak_16079	chr5	34245075	34246018	-122372	Intergenic	NM_212898	ntmt1	8.03871828	9.897213587	-1.858495307	3.95E-06
peak_21192	chr20	39611296	39611979	-3612	Intergenic	NM_001013532	pex7	6.253827597	8.112378063	-1.858550467	7.39E-05
peak_17820	chr11	22749141	22749907	5571	intron (NM_001199491, intron 1 of 17)	NM_001199491	foxp4	7.001363444	8.860092734	-1.85872929	1.22E-05
peak_19186	chr12	46829312	46829786	-1811	Intergenic	NM_131640	pax2b	5.572725943	7.4315182	-1.858792257	2.61E-05
peak_22729	chr20	20905915	20906637	-12358	Intergenic	NM_173222	ckbb	5.254386895	7.113291032	-1.858904137	0.00015
peak_28037	chr20	19662356	19662648	27959	Intergenic	NM_131597	nme6	3.644959288	5.503892208	-1.85893292	0.001116
peak_26054	chr11	43166256	43168737	-63910	Intergenic	NM_001105592	her15.2	6.836070522	8.69500968	-1.858939159	0.000561
peak_42128	chr7	62268691	62269251	168193	Intergenic	NM_213147_1	acox3	1.426730103	3.285738464	-1.859008361	0.025098
peak_22209	chr9	53620423	53621254	320773	Intergenic	NM_001030165	Mar-04	5.564386956	7.423413821	-1.859026865	0.000119
peak_15994	chr9	49649344	49650809	98049	intron (NM_001194987, intron 49 of 80)	NM_198069	rdh1	6.864150614	8.723386442	-1.859235828	3.75E-06
peak_29903	chr11	954585	954850	56915	intron (NM_212882_3, intron 6 of 8)	NM_001007362	slc6a1b	3.33794409	5.197283633	-1.859339542	0.001969
peak_43536	chr8	52956585	52956933	-35927	Intergenic	NM_001002647	egr3	2.122017822	3.981370008	-1.859352186	0.030933
peak_24531	chr16	55949782	55950334	-558	promoter-TSS (NM_001197202)	NM_001197202	ifnlr1	5.184625743	7.043991612	-1.859365869	0.000321
peak_15232	chr2	11538746	11539950	-85140	Intergenic	NM_001020566	zgc:110130	8.721562665	10.58099084	-1.859428176	2.16E-06
peak_31404	chr10	18595308	18595550	-313647	Intergenic	NM_199776	ppp2r2d	3.169361555	5.028860798	-1.859499243	0.002918
peak_21157	chr10	33515839	33516802	-37494	intron (NM_001006083, intron 1 of 5)	NM_001030196	dgat2	5.372413207	7.232117434	-1.859704226	7.25E-05
peak_34882	chr23	13851946	13852714	100064	Intergenic	NM_213334	naa10	4.139660669	5.999431456	-1.859770787	0.006687
peak_28378	chr3	5055445	5055714	12056	intron (NM_001089332, intron 5 of 22)	NM_001089332	zgc:162198	3.395609492	5.255576865	-1.859967373	0.001239
peak_38274	chr21	42213480	42213852	-6395	Intergenic	NM_001042696	pdlim4	3.302598733	5.162762798	-1.860164065	0.01345
peak_21773	chr9	39988277	39988695	69123	Intergenic	NM_200000	myl1	4.42564779	6.28616734	-1.86051955	9.76E-05
peak_25701	chr9	42163987	42164504	-2923	Intergenic	NM_200095	asnsd1	4.46113342	6.321678552	-1.860545132	0.000496
peak_26233	chr16	53763982	53764315	-8923	Intergenic	NM_212998	etfb	3.922906591	5.783456783	-1.860550192	0.000596
peak_21336	chr7	40493228	40493628	-65134	Intergenic	NM_131070	mdka	4.614715268	6.475366441	-1.860651173	7.87E-05
peak_17005	chr22	24576057	24576825	-24391	Intergenic	NR_029937		6.467840961	8.328575266	-1.860734305	7.05E-06
peak_19678	chr23	6236521	6237071	108349	Intergenic	NM_200558	mybpha	5.470089187	7.330859434	-1.860770248	3.43E-05
peak_19510	chr9	875398	876012	14761	Intergenic	NM_001004675	zgc:101851	6.021182625	7.882005471	-1.860822846	3.11E-05
peak_30198	chr19	30999341	30999786	-43941	Intergenic	NM_213223	marcksl1b	4.677162684	6.537989019	-1.860826335	0.002144
peak_18881	chr18	40890919	40891504	-91240	Intergenic	NM_199804	cntn5	5.352039769	7.212942305	-1.860902536	2.22E-05
peak_20360	chr19	21842345	21842734	-48467	Intergenic	NM_001042746	tshz1	4.47207183	6.332983739	-1.860911909	4.98E-05
peak_21651	chr1	3268662	3269082	462003	Intergenic	NR_030045		4.883886149	6.744872532	-1.860986383	9.22E-05
peak_37407	chr7	20719207	20719880	-110	promoter-TSS (NM_001037559)	NM_001037559	slc7a7	4.518967649	6.380114311	-1.861146662	0.011455
peak_29584	chr20	32441895	32442373	2175	intron (NM_001025482, intron 2 of 12)	NM_001025482	lace1b	4.18281102	6.044000445	-1.861189426	0.001798
peak_15536	chr13	509568	510856	-19	promoter-TSS (NM_001034968)	NM_001034968	slit1a	9.063512246	10.92481214	-1.861299894	2.69E-06
peak_31020	chr21	17575335	17575858	-146676	Intergenic	NM_213355	smpd4	3.871171366	5.73248461	-1.861313244	0.002631
peak_30885	chr7	69418160	69418570	-65063	Intergenic	NM_001002386	kars	4.30377737	6.165113095	-1.861335725	0.002546
peak_18604	chr18	45499605	45500150	-248208	Intergenic	NM_199925	zgc:77304	5.436379502	7.297770444	-1.861390942	1.89E-05
peak_27529	chr16	6764339	6764852	-88871	Intergenic	NM_001002182	zgc:91890	5.353622379	7.215170349	-1.86154797	0.000934
peak_25110	chr12	35613086	35613391	-2451	intron (NM_001003874, intron 8 of 9)	NM_199722	cyth1b	3.340116769	5.201680502	-1.861563733	0.000404
peak_23961	chr18	11274249	11274845	225937	Intergenic	NM_001013335	zgc:110789	4.943815015	6.805543787	-1.861728772	0.000253
peak_36617	chr23	21774170	21774494	-9168	Intergenic	NM_131090	her4.2	3.008963973	4.870744434	-1.861780461	0.009767
peak_24581	chr1	41267547	41268110	24421	Intergenic	NM_001045371	hmx4	4.908295128	6.770111208	-1.86181608	0.000328
peak_36267	chr11	29854306	29854998	104363	intron (NM_001278321, intron 1 of 9)	NM_001034184	igsf21a	4.594836591	6.456684027	-1.861847436	0.009052
peak_18263	chr5	50849220	50849840	-37810	Intergenic	NM_001201438	si:dkey-172m14.1	6.074468411	7.936553166	-1.862084755	1.58E-05
peak_21070	chr10	45023911	45024900	31862	Intergenic	NR_045221		5.780628893	7.642817825	-1.862188931	6.94E-05
peak_26653	chr20	54351104	54351583	-3271	Intergenic	NM_131328	hsp90aa1.1	5.053378088	6.915598569	-1.862220481	0.000687
peak_19065	chr23	23139454	23140225	189152	Intergenic	NM_212722	eno1a	5.899850742	7.762192035	-1.862341293	2.46E-05
peak_21614	chr2	56829473	56830524	75372	Intergenic	NR_105069		6.193046869	8.055417258	-1.862370389	9.06E-05
peak_26087	chr5	69554407	69554920	-130960	Intergenic	NM_001083565	hip1rb	4.651097553	6.513546501	-1.862448948	0.000568
peak_16953	chr3	2064581	2066723	30945	Intergenic	NM_205652	wbp11	8.39528303	10.25775588	-1.862472846	6.87E-06
peak_27873	chr8	9903892	9904581	210974	intron (NM_001098489, intron 9 of 31)	NM_001098489	plxna3	4.609320918	6.47181781	-1.862496892	0.001056
peak_23802	chr1	54807780	54808139	227731	Intergenic	NM_130954	dla	3.806462687	5.669019913	-1.862557226	0.000237
peak_21754	chr9	56017723	56018329	-76326	Intergenic	NM_001144040	cog3	5.132783983	6.995824827	-1.863040844	9.68E-05
peak_43342	chr24	4633330	4633631	-105522	Intergenic	NM_130918	fzd8a	2.751830549	4.614977579	-1.86314703	0.030188
peak_23508	chr10	26304183	26304747	29394	Intergenic	NM_131294	sod1	4.067909549	5.931081882	-1.863172333	0.000208
peak_21594	chr4	16138949	16139991	-15390	Intergenic	NM_001033585	sox5	6.905741023	8.768915966	-1.863174943	8.97E-05
peak_19559	chr2	59832260	59833233	-40515	intron (NM_212882_1, intron 8 of 9)	NM_001017839	stk11	7.016575602	8.87976123	-1.863185628	3.20E-05
peak_18669	chr17	10920324	10920974	54240	intron (NM_001258228, intron 9 of 10)	NM_001258228	si:ch211-185a18.4	6.896326834	8.759565641	-1.863238807	1.95E-05
peak_25693	chr25	15402697	15403363	-92634	Intergenic	NM_131304	pax6a	6.041371788	7.904635157	-1.863263369	0.000494
peak_34980	chr15	6198240	6198722	-150229	Intergenic	NM_001005991	zgc:103530	4.430813397	6.294110738	-1.863297341	0.006839
peak_36676	chr21	24829919	24830278	-3551	TTS (NM_212861)	NM_001160358	efemp2b	2.889089251	4.752482191	-1.86339294	0.009873
peak_30023	chr19	1227416	1227984	-18090	Intergenic	NM_001113601	scrt1a	3.965832482	5.829314917	-1.863482435	0.002037
peak_29933	chr14	35594915	35595373	-25710	Intergenic	NM_130946	wnt8a	4.09910867	5.962844114	-1.863735444	0.001985
peak_19813	chr12	4025584	4026436	130927	Intergenic	NM_001080066	g6pc3	5.892424221	7.756295114	-1.863870894	3.69E-05
peak_29514	chr16	14740670	14740998	176911	Intergenic	NM_001029956	u2af2a	4.06002242	5.923941835	-1.863919415	0.001766
peak_26117	chr4	22823596	22823878	-14123	TTS (NM_194401)	NM_001130599	usp6nl	3.594783512	5.458757948	-1.863974437	0.000572
peak_27041	chr1	49310757	49311200	421180	Intergenic	NM_001115060	cxcl-c1c	4.225815055	6.089832707	-1.864017652	0.000788
peak_28145	chr18	19905144	19905517	90634	Intergenic	NM_001002604	morf4l1	3.554074368	5.418103219	-1.864028851	0.001157
peak_29983	chr7	45678506	45678802	14168	intron (NM_001017669, intron 5 of 12)	NM_001017669	dync1li2	3.091390725	4.955494632	-1.864103907	0.002018
peak_17446	chr5	46122426	46123060	-7356	Intergenic	NM_001111220	gas1a	6.140925638	8.005076471	-1.864150833	9.39E-06
peak_25204	chr25	2255335	2255717	10823	Intergenic	NM_212792_1	cdkn1bb	4.653771219	6.518098917	-1.864327698	0.000417
peak_33036	chr7	37259901	37260231	-95123	Intergenic	NM_001045227	irx5a	3.512183079	5.37656009	-1.864377011	0.004433
peak_26313	chr7	42486063	42486579	-231604	Intergenic	NM_199843	shcbp1	4.941670391	6.806149969	-1.864479579	0.000613
peak_24708	chr12	44915115	44915847	-138793	Intergenic	NM_001110011_1	dock1	5.616086861	7.480595998	-1.864509136	0.000346
peak_25026	chr1	16382193	16382783	-36169	Intergenic	NM_214702	slc25a4	5.064628484	6.929196946	-1.864568462	0.000391
peak_19469	chr1	24768548	24769623	24963	Intergenic	NM_200854	myoz2b	6.516073892	8.380854723	-1.864780831	3.03E-05
peak_30551	chr11	8569168	8569648	-79001	Intergenic	NM_001020583	tbl1xr1a	4.237517704	6.102336147	-1.864818443	0.002337
peak_33787	chr16	40293074	40293325	-379068	Intergenic	NM_001037432	zgc:123285	3.26649893	5.131608464	-1.865109534	0.005246
peak_18555	chr1	20191943	20192893	106	5' UTR (NM_131894, exon 1 of 16)	NM_131894	gria2a	5.617404898	7.482582256	-1.865177358	1.83E-05
peak_18237	chr16	21206909	21207455	220279	Intergenic	NM_001098779	rapgef5b	5.377710924	7.243219877	-1.865508953	1.56E-05
peak_25597	chr17	16659473	16660253	-54765	Intergenic	NM_212789	dio2	5.101031722	6.966575359	-1.865543638	0.000479
peak_21925	chr24	41793656	41794141	-211520	Intergenic	NM_001077598	aoc1	4.905363553	6.770961391	-1.865597838	0.000106
peak_40824	chr24	2107160	2107447	-119413	Intergenic	NM_212616	zgc:85789	3.144713902	5.010348072	-1.865634169	0.020638
peak_26808	chr7	39959671	39960242	2955	intron (NM_131613, intron 2 of 15)	NM_131613	celf1	4.241077898	6.106730089	-1.865652191	0.000732
peak_19943	chr6	39692535	39693052	3038	intron (NM_001089417, intron 1 of 22)	NM_001089417	pfkmb	4.958780025	6.824459259	-1.865679234	3.97E-05
peak_35146	chr3	13435803	13436143	83054	Intergenic	NM_001018135	sun1	1.812734601	3.678417654	-1.865683053	0.007105
peak_37950	chr20	20551602	20551925	-5224	Intergenic	NM_131717	six4b	3.361665472	5.227363949	-1.865698477	0.01261
peak_16108	chr1	48748191	48748790	419764	Intergenic	NM_001077556	ccdc147	7.013866124	8.879630979	-1.865764855	4.02E-06
peak_18074	chr7	76644751	76645509	-26999	Intergenic	NM_001076619	btr12	5.943815015	7.809666297	-1.865851282	1.42E-05
peak_31872	chr13	52987021	52987472	-852	promoter-TSS (NM_001135784)	NM_001135784	nkx6.2	4.392472402	6.258325011	-1.865852609	0.00333
peak_36981	chr2	14283369	14284453	21535	intron (NM_001004623, intron 3 of 4)	NM_001004623	tctex1d1	2.229335828	4.095196728	-1.8658609	0.010541
peak_32418	chr8	20000675	20001056	6393	intron (NM_201302, intron 5 of 5)	NM_001004593	zgc:92140	4.180387832	6.046548891	-1.866161059	0.003805
peak_15141	chr23	181831	186532	45558	Intergenic	NM_001077296	zgc:153351	9.151434216	11.01762886	-1.866194644	2.00E-06
peak_26641	chr8	55026922	55027559	-39111	Intergenic	NM_001172402	LOC100359374	4.953822712	6.820134847	-1.866312136	0.000685

peak_21316	chr13	9309569	9309974	-57848	Intergenic	NM_001045343	si:ch211-117n7.7	4.68407117	6.550409934	-1.866338764	7.78E-05
peak_27080	chr12	13841033	13841357	-383470	Intergenic	NM_131014	cmn	3.342286181	5.208669582	-1.866383401	0.000799
peak_24928	chr1	18410149	18410653	18978	Intergenic	NM_001102393	tmem192	5.726333776	7.592752324	-1.866418549	0.000377
peak_24377	chr23	3391827	3392251	31516	Intergenic	NM_131015	mafba	4.696892816	6.563356056	-1.866463241	0.000302
peak_23525	chr20	25079563	25080004	-87138	Intergenic	NM_001044979	epha7	4.334678924	6.201181022	-1.866502098	0.000209
peak_20752	chr23	17952818	17955099	-173	promoter-TSS (NR_030063)	NR_030063		7.687707674	9.554292281	-1.866584607	5.98E-05
peak_32878	chr14	29563443	29563824	-1735	Intergenic	NM_199580	hmmr	4.144713902	6.011349161	-1.866635259	0.004255
peak_37876	chr15	29420742	29421666	-118406	Intergenic	NM_001113485	nlk2	1.618352549	3.485013925	-1.866661375	0.012466
peak_28748	chr18	16953991	16954670	104140	intron (NM_001039460, intron 4 of 8)	NM_001039460	zfpm1	4.239846886	6.106631824	-1.866784938	0.001395
peak_21113	chr20	33394114	33394836	61111	Intergenic	NM_212614	mycn	6.601617815	8.468428901	-1.866811086	7.09E-05
peak_35564	chr2	45802469	45802701	-56173	Intergenic	NM_001045316	fam102ba	3.238682765	5.105498171	-1.866815406	0.007777
peak_19196	chr22	10520549	10521364	29882	Intergenic	NM_001080202	nol8	7.318865705	9.185811413	-1.866945707	2.63E-05
peak_23587	chr9	44903317	44903837	32384	intron (NM_200921, intron 3 of 5)	NM_200921	ube2e3	4.944529182	6.811535873	-1.867006691	0.000214
peak_26736	chr7	77200541	77200762	-66316	Intergenic	NM_001004655	rs1b	3.222285668	5.089517519	-1.867231851	0.000711
peak_19720	chr6	18128655	18129095	107264	intron (NM_200375, intron 7 of 7)	NM_200375	stx8	5.25841321	7.125649405	-1.867236195	3.50E-05
peak_39957	chr14	50666668	50667072	-312182	Intergenic	NM_001002065_1	ppid	3.318241319	5.185515328	-1.867274008	0.017915
peak_25057	chr20	23009271	23009620	4291	Intergenic	NM_200140	rasl11b	3.818979367	5.68625543	-1.867276063	0.000396
peak_27910	chr14	3891724	3892225	-229228	Intergenic	NM_001098776	lrp2bp	4.419496475	6.286959489	-1.867463014	0.00107
peak_22463	chr6	59376242	59376936	-15979	Intergenic	NM_001033751	fam210b	6.2920083	8.1595244	-1.8675161	0.000134
peak_29396	chr14	3136107	3136685	-26	promoter-TSS (NM_131590)	NM_131590	cd74a	5.339062526	7.206795037	-1.86773251	0.001705
peak_23331	chr23	39036340	39036846	-9475	Intergenic	NM_001080609	sall4	4.774593768	6.642458112	-1.867864344	0.000193
peak_19557	chr16	7780833	7781468	-142744	Intergenic	NM_001007396	mboat1	4.826792699	6.694695489	-1.86790279	3.20E-05
peak_18671	chr10	32057582	32058069	130230	intron (NM_153654, intron 3 of 10)	NM_153654	pknox2	5.364398841	7.232316183	-1.867917342	1.96E-05
peak_34793	chr2	7805557	7806206	-4388	Intergenic	NM_131097	ephb3a	3.797003394	5.664930884	-1.86792749	0.006547
peak_32000	chr6	30128220	30128930	47178	Intergenic	NM_001045383	zgc:153311	5.220552132	7.088573744	-1.868021612	0.003428
peak_26421	chr6	13406904	13407583	-8801	Intergenic	NM_200497	gmppab	4.128390782	5.996716122	-1.86832534	0.000636
peak_36063	chr2	35271827	35272207	15832	intron (NM_131036, intron 3 of 14)	NM_131036	tnw	3.592962636	5.461353764	-1.868391128	0.008645
peak_20280	chr25	911446	912056	12592	intron (NM_001080075_1, intron 2 of 14)	NM_001080075_1	nell2a	4.70702943	6.575425391	-1.868395961	4.78E-05
peak_16996	chr19	31037842	31038766	-5200	Intergenic	NM_213223	marcksl1b	6.255826155	8.124367179	-1.868541024	7.02E-06
peak_21215	chr6	6434735	6436079	27579	intron (NM_001100951, intron 2 of 2)	NM_001100951	bcl11ab	6.876222386	8.744824203	-1.868601817	7.45E-05
peak_19373	chr18	32962023	32963000	20765	intron (NM_001045019, intron 2 of 5)	NM_001045019	tiparp	7.965315006	9.833971467	-1.868656461	2.88E-05
peak_25024	chr9	21147149	21147568	258833	intron (NM_001159666, intron 6 of 8)	NM_001159666	igsf3	4.641439946	6.510138693	-1.868698747	0.000391
peak_29003	chr9	32283674	32283992	27523	intron (NM_001037416, intron 6 of 7)	NM_205727	zic5	3.653720264	5.522478824	-1.86875856	0.001512
peak_27480	chr9	38028569	38029394	9377	Intergenic	NM_131068	inhbb	5.503998454	7.372843588	-1.868845134	0.000919
peak_27118	chr21	16397623	16398098	5761	intron (NM_001161551, intron 1 of 8)	NM_001161551	rxraa	4.875671743	6.744659158	-1.868987415	0.00081
peak_25180	chr20	22680042	22680536	27415	intron (NM_001075113, intron 2 of 10)	NM_001075113	lnx1	5.073143782	6.942134966	-1.868991184	0.000413
peak_20643	chr13	45195189	45195652	162728	Intergenic	NM_001030175	zfand3	4.874129441	6.743156463	-1.869027022	5.71E-05
peak_35993	chr1	6067439	6067703	-4880	Intergenic	NM_001143751_2	erbb4a	2.831388386	4.700515902	-1.869127516	0.008515
peak_20476	chr11	6623628	6624017	85009	Intergenic	NM_213031	gadd45ba	4.590227006	6.459435668	-1.869208662	5.24E-05
peak_21309	chr2	31401687	31402215	179	exon (NM_001197300, exon 1 of 8)	NM_001197300	e2f5	4.031994474	5.901231375	-1.869236901	7.76E-05
peak_22854	chr1	42571370	42571945	-90579	Intergenic	NM_001159372	ctnna2	4.631717254	6.50097976	-1.869262506	0.000158
peak_27775	chr22	35876223	35876957	-138754	Intergenic	NM_173274	dag1	4.734591559	6.604077519	-1.86948596	0.001022
peak_21040	chr20	1827401	1828152	58753	intron (NM_001278799, intron 3 of 49)	NM_001278799	lama2	5.712095621	7.581698648	-1.869603027	6.85E-05
peak_28301	chr13	5141367	5141865	104330	Intergenic	NM_131893	meis1	3.889089251	5.758782375	-1.869693123	0.001211
peak_22896	chr9	36648976	36649542	37326	Intergenic	NM_001105104	zp2l1	5.403941868	7.273784641	-1.869842774	0.000161
peak_22133	chr10	40868159	40868822	-183237	Intergenic	NM_001037674	smtlb	4.701970026	6.571875757	-1.869905731	0.000115
peak_25016	chr2	28304040	28304586	-160953	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	4.129647348	5.999653948	-1.8700066	0.00039
peak_16342	chr17	37928094	37929279	34688	Intergenic	NM_001077153	zfp36l1a	6.535206157	8.405498615	-1.870292458	4.73E-06
peak_21830	chr2	39861823	39862358	-21952	Intergenic	NM_001005919	epha4a	5.090062722	6.960379322	-1.8703166	0.0001
peak_27489	chr23	30610708	30611146	323499	Intergenic	NM_212848	uts2a	3.722150645	5.592482238	-1.870331592	0.000923
peak_25054	chr23	43950000	43950428	11750	exon (NM_001017554_3, exon 6 of 8)	NM_001017554_3	rnf150a	4.608419895	6.478798273	-1.870378377	0.000395
peak_34900	chr8	41147506	41148637	-168435	Intergenic	NM_001083829_1	pcsk5b	1.800163388	3.670592787	-1.8704294	0.006719
peak_19788	chr16	34005685	34006294	-18142	Intergenic	NM_131500	wnt4b	5.238716735	7.109199511	-1.870482776	3.62E-05
peak_27841	chr4	27149889	27150185	43774	intron (NM_214799, intron 4 of 13)	NM_214799	tbc1d22a	3.445014594	5.315498441	-1.870483847	0.001046
peak_26800	chr10	27862577	27862939	131145	Intergenic	NM_152948	cxadr	4.25726398	6.1277865	-1.870522519	0.000729
peak_29394	chr20	29727293	29727610	10425	intron (NM_001278602, intron 1 of 12)	NM_001278602	mboat2b	3.848367416	5.718999839	-1.870632423	0.001704
peak_36239	chr21	17866646	17867112	-9988	Intergenic	NM_001243037	rpl17	4.077133025	5.947935586	-1.870802562	0.009005
peak_33398	chr9	45317963	45318419	37382	intron (NM_001089474, intron 1 of 12)	NM_001089474	cerkl	4.300368768	6.171272158	-1.87090339	0.004816
peak_26232	chr12	6979707	6980143	-137006	Intergenic	NM_001194988	rltgr	4.575494928	6.446421274	-1.870926346	0.000596
peak_15806	chr17	42359741	42360794	34025	Intergenic	NM_130949	foxa2	7.841273683	9.712282794	-1.871009111	3.29E-06
peak_24084	chr11	18050090	18050622	163160	Intergenic	NM_001077273	fam19a4b	4.545626554	6.416777475	-1.871150921	0.000266
peak_16715	chr9	51457880	51458582	-292739	Intergenic	NM_001017644	slc38a11	7.758833	9.630039402	-1.871206401	6.01E-06
peak_31415	chr14	41331559	41332118	362796	Intergenic	NM_001127519	pcdh19	4.844546347	6.71581476	-1.871268414	0.002922
peak_30582	chr17	52776780	52777338	-156614	Intergenic	NM_194386	tgfb3	4.362796846	6.234293596	-1.871496751	0.002357
peak_20948	chr16	29291227	29291681	160859	Intergenic	NM_001104936	alg2	5.248615454	7.120300078	-1.871684623	6.52E-05
peak_43872	chr1	35139464	35139965	-63738	Intergenic	NM_213357	gab1	3.537128982	5.40886478	-1.871735799	0.032436
peak_41322	chr12	44511091	44511372	158673	Intergenic	NM_001034970	zgc:111868	2.906787328	4.778643919	-1.871856591	0.022368
peak_15510	chr5	37940052	37941419	-11884	Intergenic	NM_131805	efnb1	7.875738047	9.747664701	-1.871926654	2.64E-06
peak_25586	chr25	17006993	17007633	-39381	Intergenic	NM_001033717	cecr1a	5.0420782	6.914293433	-1.872215233	0.000478
peak_23355	chr5	4858033	4858423	45159	Intergenic	NM_001110024	zbtb43	4.620983289	6.493232691	-1.872249402	0.000194
peak_31970	chr17	50437112	50437575	72193	Intergenic	NM_001032728	cox7a2a	3.803316476	5.675574888	-1.872258412	0.003404
peak_29458	chr6	56142758	56143231	23617	intron (NM_001008576_1, intron 5 of 7)	NM_001008576_1	tfap2c	3.679788522	5.552110575	-1.872322053	0.001735
peak_16571	chr18	25415554	25416691	86546	Intergenic	NM_001103120	pex11a	8.237328903	10.10970692	-1.872378014	5.49E-06
peak_20749	chr3	7378599	7379118	408885	Intergenic	NM_205613	hn1b	4.722983386	6.59546832	-1.872484934	5.98E-05
peak_23869	chr17	21541287	21542085	72481	Intergenic	NM_001115098	hmx2	6.052715833	7.925212477	-1.872496644	0.000244
peak_16663	chr15	217031	218964	11097	intron (NM_001042691, intron 2 of 15)	NM_001042691	limk1a	6.749644348	8.622160429	-1.872516082	5.80E-06
peak_30234	chr10	34081061	34081560	-45343	Intergenic	NM_001017871	myl10	4.727969758	6.600537238	-1.872567479	0.002162
peak_16269	chr19	13219769	13220255	50522	Intergenic	NM_001044994	si:ch211-105d11.	6.679990447	8.552588823	-1.872598375	4.47E-06
peak_19505	chr7	74571999	74572481	-79775	Intergenic	NM_001083568	cacnb2a	5.063313966	6.936056368	-1.872742402	3.10E-05
peak_41905	chr8	5537732	5538074	-100557	Intergenic	NM_001012242	bnip3la	2.224639552	4.097541256	-1.872901705	0.024343
peak_27406	chr7	63619085	63619425	728022	Intergenic	NM_200491	tbc1d19	3.581988855	5.454926294	-1.87293744	0.000896
peak_27343	chr19	15100243	15100777	97185	Intergenic	NM_001135132	si:ch211-206a7.2	4.543742525	6.416710879	-1.872968353	0.000873
peak_17773	chr24	5056826	5058668	-188	promoter-TSS (NM_001076612)	NM_001076612	zic4	7.010780787	8.883877191	-1.873096404	1.19E-05
peak_40510	chr3	41906946	41907639	-4989	Intergenic	NM_130971	lfng	1.639677051	3.512904673	-1.873227622	0.019632
peak_19323	chr1	40314778	40315246	31185	Intergenic	NM_001002448	ing2	5.162625321	7.035915358	-1.873290037	2.81E-05
peak_37259	chr14	27721780	27722206	-2749	Intergenic	NM_199669	polr2gl	4.09910867	5.972426338	-1.873317668	0.011128
peak_20613	chr17	24320812	24321577	28345	intron (NM_001077601, intron 2 of 6)	NM_001077601	peli1b	6.714400497	8.587804343	-1.873403846	5.62E-05
peak_18677	chr18	23841171	23842230	-182635	Intergenic	NM_131183	nr2f2	7.1298135	9.003297788	-1.873484288	1.96E-05
peak_25574	chr2	28403924	28404293	-200660	intron (NM_001013520, intron 2 of 15)	NM_001039633	cdh10	4.288041959	6.161570816	-1.873528857	0.000476
peak_18155	chr17	32547805	32548480	27641	Intergenic	NM_001077604	klf11b	6.058024631	7.931639286	-1.873614655	1.49E-05
peak_23269	chr2	49658152	49658512	56809	Intergenic	NM_001089323	abhd17aa	4.033337828	5.907020902	-1.873683074	0.000188
peak_25444	chr10	7311586	7311803	90791	Intergenic	NM_214768	skiv2l2	3.55032589	5.424012567	-1.873686677	0.000456
peak_25516	chr21	26298167	26298573	-87264	Intergenic	NM_001004677	fkbp2	4.000666855	5.874369254	-1.8737024	0.000465
peak_32336	chr14	37294245	37294529	-152218	Intergenic	NM_130975	pitx2	3.428773195	5.302576644	-1.873803449	0.003723
peak_24131	chr18	8816145	8816510	-20669	Intergenic	NM_131061	sema3ab	4.193665276	6.067532213	-1.873866937	0.000273
peak_26654	chr6	10338248	10338741	-121922	Intergenic	NM_001044895	scn1lab	4.202051377	6.075950761	-1.873899384	0.000687
peak_25869	chr14	6526494	6527239	25554	Intergenic	NM_001007455	thg1l	5.31431431	7.188288098	-1.873973789	0.000525
peak_23736	chr7	49562331	49562628	145725	Intergenic	NM_131427	cpeb1b	3.889089251	5.763248033	-1.874158782	0.000229
peak_26309	chr19	15442477	15443172	-5314	Intergenic	NM_199211	ctps1a	4.254962771	6.129202195	-1.874239424	0.000612
peak_25355	chr17	32949425	32949813	35578	Intergenic	NM_001013550	smyd2a	4.417440195	6.29174355	-1.874303355	0.000441
peak_24052	chr15	37647060	37647439	142331	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	4.250349312	6.124732714	-1.874383402	0.000263
peak_22806	chr14	50910572	50910950	-68291	Intergenic	NM_001002065_1	ppid	4.401863281	6.276270119	-1.874406838	0.000154
peak_19525	chr20	40350853	40352045	172	5' UTR (NM_001025545, exon 1 of 5)	NM_001025545	clvs2	6.407069257	8.281588735	-1.874519478	3.14E-05
peak_22962	chr7	32916606	32917092	-140913	Intergenic	NM_001199362	cilp	6.155222654	8.029960281	-1.874737627	0.000166
peak_26033	chr19	21833707	21834184	-57061	Intergenic	NM_001042746	tshz1	4.910532553	6.785378385	-1.874845831	0.000556

peak_23240	chr8	50385474	50385946	328945	Intergenic	NM_001128254	mfn2	4.124614504	5.999569572	-1.874955068	0.000186
peak_31588	chr12	45697998	45698597	155073	intron (NM_001110011, intron 19 of 20)	NM_001110011	dock1	4.489851149	6.364818637	-1.874967488	0.003076
peak_23340	chr25	34582292	34582939	252913	Intergenic	NM_001172680	zgc:136826	5.593899918	7.468875078	-1.87497516	0.000193
peak_42491	chr17	37936433	37936814	26751	Intergenic	NM_001077153	zfp36l1a	3.521897487	5.396921103	-1.875023616	0.026382
peak_21262	chr3	20293900	20294967	-286806	Intergenic	NM_194417	sepw2a	6.497171351	8.372542349	-1.875370998	7.59E-05
peak_42056	chr12	23239786	23240123	200245	Intergenic	NM_001020680	mrpl27	3.25733105	5.132871083	-1.875540033	0.024844
peak_34211	chr23	34880881	34881267	317040	Intergenic	NM_212746	klf15	3.523810242	5.399459908	-1.875649666	0.005789
peak_40262	chr3	37994828	37995383	176055	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	4.241077898	6.116747538	-1.87566964	0.018803
peak_41783	chr19	39957163	39957429	11176	intron (NM_001044795, intron 1 of 9)	NM_001044795	smap2	2.705394096	4.581391084	-1.875996988	0.023899
peak_33262	chr17	15842657	15842957	-88871	Intergenic	NM_001080054	znf395a	3.684926177	5.56118113	-1.876254954	0.00466
peak_30291	chr7	49987425	49987941	-25147	Intergenic	NM_001123242	kcnq1	4.588347051	6.464982077	-1.876635026	0.002186
peak_22256	chr24	6254340	6254917	-12316	intron (NM_205579, intron 34 of 38)	NM_001017708	gad2	4.773790299	6.650587231	-1.876796932	0.000122
peak_30910	chr18	42902835	42903262	40490	intron (NM_001123012, intron 1 of 16)	NM_001123012	aplp2	4.56345742	6.440392252	-1.876934832	0.00256
peak_23278	chr20	31950623	31951111	-6311	Intergenic	NM_001099981	stxbp5a	3.771377205	5.648315886	-1.876938681	0.000189
peak_24982	chr3	42483162	42483620	-32255	Intergenic	NM_001109869	kdm8	4.540911861	6.418032882	-1.877121021	0.000385
peak_29038	chr5	73239808	73240208	-80242	Intergenic	NM_001003629	rgs3a	3.979916095	5.857051719	-1.877135624	0.001528
peak_33564	chr22	36574477	36574968	331895	Intergenic	NM_001003610	nicn1	3.691748046	5.568898903	-1.877150857	0.004982
peak_24196	chr5	71063265	71064089	6167	Intergenic	NM_001012251	gsx1	5.641880334	7.519132932	-1.877252598	0.00028
peak_26718	chr16	51923952	51924354	-26046	Intergenic	NM_131612	pbx2	4.718814869	6.596140301	-1.877325431	0.000705
peak_26915	chr22	11427019	11427598	121342	Intergenic	NM_200832	mid1ip1b	4.862839956	6.740292435	-1.877452479	0.000759
peak_38444	chr16	14660942	14661588	97342	Intergenic	NM_001029956	u2af2a	4.143397819	6.020866089	-1.87746827	0.013876
peak_20233	chr20	21243273	21243753	-97677	Intergenic	NM_001044888	nudt14	4.540911861	6.41853885	-1.877626989	4.66E-05
peak_21512	chr10	40987883	40988962	-269028	Intergenic	NM_200744	smfn	7.114943979	8.992720202	-1.877776223	8.58E-05
peak_17548	chr11	45104848	45105287	-51627	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	5.745335402	7.623235749	-1.877900347	1.01E-05
peak_26220	chr23	352625	352986	-17829	Intergenic	NM_200338	ap4b1	3.715471362	5.593376318	-1.877904956	0.000594
peak_30829	chr21	22534894	22535334	50375	intron (NM_199635, intron 2 of 4)	NM_199635	zbtb16a	3.90833784	5.786414921	-1.878077081	0.002512
peak_25391	chr12	5274426	5274944	-110981	Intergenic	NM_001143904	irf3	4.671184896	6.54940267	-1.878217774	0.000447
peak_27903	chr17	44393363	44393762	93734	Intergenic	NM_001113796	exoc5	4.746154871	6.624665781	-1.87851091	0.001067
peak_22477	chr2	33091766	33092236	-8628	Intergenic	NM_001030073	slc6a9	5.002725609	6.881266158	-1.878540549	0.000134
peak_25548	chr9	21286935	21287513	118967	intron (NM_001159666, intron 2 of 8)	NM_001159666	igsf3	4.054740277	5.933421658	-1.878681381	0.000472
peak_19332	chr12	44149394	44149893	132995	intron (NM_001080602, intron 11 of 15)	NM_001080602	ebf3	4.865104932	6.743802522	-1.87869759	2.83E-05
peak_25803	chr5	74293765	74294199	353143	Intergenic	NM_001017876_1	fsip1	4.738762843	6.617463222	-1.878700379	0.000514
peak_38871	chr20	46345679	46346130	-60877	Intergenic	NM_001082832	si:dkey-7c18.24	4.169432838	6.048313419	-1.87888058	0.014923
peak_37629	chr10	22754889	22755140	-48760	Intergenic	NM_001111177	zgc:172339	3.42263522	5.30157699	-1.87894177	0.0119
peak_28127	chr2	18323219	18323620	-30590	Intergenic	NM_001100007	ptbp2b	4.273336808	6.152395337	-1.879058529	0.001151
peak_18714	chr17	21794093	21794747	45274	Intergenic	NM_001002219	htra1a	6.741013548	8.620104443	-1.879090894	2.01E-05
peak_19889	chr5	41217404	41217982	48438	intron (NM_001115124, intron 3 of 5)	NM_001115124	si:ch211-57h10.1	5.964093143	7.84325509	-1.879161947	3.85E-05
peak_17574	chr5	32113297	32114127	41951	Intergenic	NM_201459	arcn1a	6.265036928	8.144244876	-1.879207948	1.04E-05
peak_16221	chr20	32345244	32346272	25859	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	7.57781179	9.45706809	-1.8792563	4.34E-06
peak_18977	chr7	59985652	59986464	-4913	3' UTR (NM_001039814, exon 3 of 3)	NM_213204	rps20	5.511247402	7.390547898	-1.879300496	2.35E-05
peak_15795	chr3	32680384	32681910	-3149	Intergenic	NM_001002158	rcn3	7.644416367	9.52372222	-1.879305853	3.27E-06
peak_25487	chr19	23718974	23719513	16824	intron (NM_001004287, intron 1 of 16)	NM_001004287	grb10a	4.861327994	6.74065972	-1.879331725	0.000462
peak_39885	chr1	339365	339981	6963	intron (NM_201027, intron 1 of 11)	NM_001002361	zgc:92518	3.65197232	5.531369104	-1.879396783	0.017659
peak_23133	chr20	30784908	30785591	56773	Intergenic	NM_212997	acbd3	4.135913813	6.015342302	-1.879428489	0.000179
peak_26998	chr7	76929164	76929612	-79899	Intergenic	NM_001089531	zgc:163061	4.318177022	6.197624632	-1.879447609	0.000778
peak_40661	chr16	9473930	9474187	34211	Intergenic	NM_001012384	pomgnt2	2.664163689	4.543674517	-1.879510828	0.020107
peak_22341	chr18	36040328	36040915	-345119	Intergenic	NM_001139480	yap1	5.662938336	7.542537839	-1.879599503	0.000127
peak_30005	chr19	14391160	14391572	38332	Intergenic	NM_131258	oprd1a	4.482001777	6.361732463	-1.879730686	0.002027
peak_23492	chr11	46524015	46524383	-23316	Intergenic	NM_214737_1	rfc4	4.095254858	5.975013695	-1.879758836	0.000206
peak_27458	chr23	15089705	15090062	-40792	Intergenic	NM_199797	ndrg3b	3.636144784	5.515910218	-1.879765434	0.000912
peak_30628	chr18	5154190	5154615	-67962	Intergenic	NM_001171590	cplx3b	4.091390725	5.971255297	-1.879864571	0.002384
peak_25692	chr14	40593905	40594340	-66562	Intergenic	NM_131782	glra4a	3.771377205	5.651254538	-1.879877333	0.000494
peak_40127	chr8	12884560	12884931	35864	intron (NM_001128526, intron 12 of 14)	NM_001128526	phf13	3.44299439	5.323252436	-1.880258046	0.018394
peak_22011	chr3	49659404	49659976	25991	Intergenic	NM_212985	metrnl	5.0373604	6.917625685	-1.880265285	0.00011
peak_29438	chr8	24161934	24162337	-47072	Intergenic	NM_001020476	dnmt3b	3.506390602	5.386702949	-1.880312346	0.001723
peak_27539	chr23	36459856	36460387	9456	intron (NM_001076631, intron 3 of 6)	NM_001076631	znf740b	4.216384103	6.096725726	-1.880341623	0.000938
peak_23657	chr9	44972950	44973350	101957	Intergenic	NM_200921	ube2e3	4.702814493	6.583198595	-1.880384102	0.000221
peak_29913	chr7	56933481	56934207	37098	Intergenic	NM_001003506	trappc2l	4.592051336	6.472483849	-1.880432513	0.001976
peak_17485	chr7	66578430	66579257	248304	Intergenic	NM_001077722	tpcn2	8.017284356	9.897731699	-1.880447343	9.67E-06
peak_39056	chr12	23217404	23217813	177899	Intergenic	NM_001020680	mrpl27	3.705394096	5.585942384	-1.880548288	0.015407
peak_25311	chr2	38930877	38931828	118712	intron (NM_001159839, intron 1 of 16)	NM_001159839	clstn2	5.630830115	7.511462793	-1.880632678	0.000434
peak_43941	chr6	59866421	59866669	-54752	Intergenic	NM_001080701	slc32a1	3.137236739	5.017883283	-1.880646545	0.032717
peak_25847	chr24	6780160	6780612	-321309	Intergenic	NM_131774	anxa13	5.892097244	7.77276482	-1.880667576	0.000521
peak_17509	chr6	7167448	7169034	1863	exon (NM_001001501, exon 3 of 18)	NM_001001501	dzip1	7.492898628	9.373591098	-1.88069247	9.83E-06
peak_18684	chr5	16408808	16409601	-121060	Intergenic	NM_001128246	sc:d411	6.562500144	8.443197409	-1.880697265	1.97E-05
peak_31923	chr16	57800397	57800890	10440	intron (NM_197935, intron 2 of 6)	NM_197935	drd2l	4.42871364	6.30944194	-1.8807283	0.003366
peak_29954	chr13	3156836	3157412	11157	intron (NM_001017635, intron 1 of 6)	NM_001017635	park2	4.211645407	6.092395502	-1.880750095	0.002
peak_38507	chr8	27377594	27377989	2835	intron (NM_001122712, intron 1 of 14)	NM_001122712	sema3bl	2.42263522	4.303405029	-1.880769809	0.014003
peak_37062	chr18	44403822	44404132	-3539	Intergenic	NM_001017890	mmp23bb	3.027956891	4.908783804	-1.880826914	0.010687
peak_19126	chr9	43081313	43082093	-57377	Intergenic	NM_001020731	pcbp3	5.766942689	7.647814192	-1.880871503	2.54E-05
peak_18750	chr21	16244210	16244921	-129798	Intergenic	NM_001012312	gsna	6.921979187	8.80320804	-1.881228853	2.05E-05
peak_15934	chr25	8136269	8137623	1318	intron (NM_131716, intron 1 of 3)	NM_131716	mdkb	9.249724941	11.13108066	-1.881355721	3.59E-06
peak_27040	chr24	8461807	8462325	68548	Intergenic	NM_176859	tfap2a	3.684926177	5.566873734	-1.881947558	0.000787
peak_22956	chr14	41549763	41550288	144609	Intergenic	NM_001127519	pcdh19	4.965128785	6.847111095	-1.88198231	0.000166
peak_29022	chr19	49271480	49271930	32331	intron (NM_001040330, intron 2 of 8)	NM_001040330	ext1c	4.054740277	5.936996702	-1.882256425	0.001521
peak_23482	chr8	27455586	27455991	6414	intron (NM_001128346, intron 3 of 16)	NM_001128346	si:ch211-106g4.2	4.68407117	6.566451535	-1.882380365	0.000205
peak_31718	chr10	37077525	37077911	157861	Intergenic	NM_001007431	katnal1	3.324838852	5.207244913	-1.88240606	0.003189
peak_25843	chr14	38495266	38495742	288605	Intergenic	NM_001048055	lect2l	4.806462687	6.688902308	-1.882439621	0.000521
peak_19242	chr7	52856774	52857222	32040	intron (NM_001044906, intron 3 of 12)	NM_001044906	zgc:136763	4.770571942	6.653258848	-1.882686906	2.69E-05
peak_21643	chr8	20409803	20410363	31890	intron (NM_001270477, intron 2 of 6)	NM_001270477	LOC566028	5.353115955	7.23580362	-1.882687665	9.19E-05
peak_20873	chr20	39993716	39994594	-179410	Intergenic	NM_001082853	rnf217	5.65549154	7.538186584	-1.882695044	6.30E-05
peak_14862	chr11	19405639	19407521	111510	intron (NM_001007063, intron 2 of 21)	NM_001110031	rhol	8.089678074	9.972386813	-1.882708739	1.64E-06
peak_21888	chr25	13626330	13627304	-7410	Intergenic	NM_199670	det1	6.413819593	8.296615542	-1.882795949	0.000104
peak_28345	chr16	35744392	35744900	-162131	Intergenic	NM_131161	pou3f1	4.052091935	5.93501172	-1.882919785	0.001228
peak_21693	chr5	5310308	5310944	-98987	Intergenic	NM_001076606	mvb12ba	4.822136984	6.705071964	-1.88293498	9.37E-05
peak_29655	chr3	14187214	14187649	-28613	Intergenic	NM_200408	zgc:64085	3.881650491	5.764589689	-1.882939198	0.001835
peak_19385	chr20	35176717	35177713	66014	intron (NM_001045094, intron 5 of 36)	NM_001045094	si:ch211-89p3.3	6.406581255	8.28952434	-1.882943085	2.91E-05
peak_24834	chr10	38958758	38959787	125811	intron (NM_212796, intron 6 of 16)	NM_212796	msi2a	5.806485605	7.689457653	-1.882972047	0.000364
peak_33161	chr5	36384968	36385395	-150658	Intergenic	NM_001114845	hexa	2.552201346	4.435176801	-1.882975455	0.004566
peak_20535	chr3	39417772	39418332	65212	Intergenic	NM_001003526	zgc:100868	5.188248356	7.071273851	-1.883025495	5.38E-05
peak_26433	chr7	51933447	51933692	-66090	Intergenic	NM_001127470	hypk	3.387228713	5.270498784	-1.883270071	0.000637
peak_22804	chr12	5606832	5607278	-707	promoter-TSS (NM_001161653)	NM_001161653	plce1	4.893534166	6.776824009	-1.883289843	0.000154
peak_20049	chr15	15282041	15282691	60295	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	5.862462114	7.745817575	-1.883355461	4.25E-05
peak_31972	chr14	42060316	42060766	57997	Intergenic	NM_131159	ef1	4.51699244	6.400408487	-1.883416047	0.003407
peak_17814	chr3	28229297	28230021	-2845	Intergenic	NM_001005596	rbfox1	5.745335402	7.628811524	-1.883476121	1.21E-05
peak_24175	chr11	26971017	26971432	2930	intron (NM_001080082, intron 1 of 8)	NM_001080082	zgc:158299	4.628113554	6.511770313	-1.883656759	0.000278
peak_22319	chr14	436299	437266	64861	Intergenic	NM_001114567	zgc:172215	5.428743418	7.312731179	-1.883987761	0.000126
peak_23220	chr20	17832065	17832518	46270	intron (NM_131081, intron 3 of 15)	NM_131081	cdh2	4.920730635	6.80501151	-1.884280875	0.000185
peak_19062	chr22	19217188	19217747	63953	Intergenic	NM_198142	bsg	5.830661017	7.715097065	-1.884436048	2.46E-05
peak_26816	chr14	17117884	17118207	358817	Intergenic	NM_001044746	cnga5	3.972850631	5.857326885	-1.884476254	0.000733
peak_29337	chr2	57118464	57119059	-71262	Intergenic	NM_001002555_1	rab11bb	5.474575155	7.359313288	-1.884738133	0.001679
peak_25841	chr4	23389073	23389805	-489930	Intergenic	NM_194401	celf2	5.034719061	6.919618348	-1.884899287	0.00052
peak_18589	chr22	498126	498832	-16743	Intergenic	NM_205627	dstyk	5.89131342	7.776233615	-1.884920194	1.87E-05
peak_26527	chr24	4239871	4240288	-13487	Intergenic	NM_201461	klf6a	4.150915405	6.03601821	-1.885102805	0.00066
peak_40222	chr6	33465357	33465913	110671	Intergenic	NM_001287082	tmem69	4.261855416	6.14766964	-1.885814224	0.018671

peak_22402	chr2	33100301	33100751	-103	promoter-TSS (NM_001030073)	NM_001030073	slc6a9	4.937371553	6.823186185	-1.885814632	0.00013
peak_19308	chr15	46195425	46196317	-3232	Intergenic	NM_001076636	zgc:153039	6.760444393	8.646264685	-1.885820293	2.79E-05
peak_30584	chr16	41782613	41782959	15366	Intergenic	NM_001159994	gdf6a	4.119564041	6.005522371	-1.88595833	0.002358
peak_15622	chr25	18794026	18795213	23174	Intergenic	NM_194380	dusp6	8.722144571	10.60819866	-1.886054088	2.84E-06
peak_27667	chr13	29143946	29144431	134727	Intergenic	NM_001020523	nsmce4a	4.8361042	6.722187445	-1.886083245	0.00098
peak_18387	chr20	29920797	29921316	-30758	Intergenic	NM_001002727	rnf144ab	6.262175318	8.148300643	-1.886125325	1.69E-05
peak_22879	chr10	729434	730508	-52529	Intergenic	NM_001080607	glis3	6.124614504	8.010885599	-1.886271095	0.000159
peak_43862	chr11	23646958	23647276	190627	Intergenic	NM_001128241	si:ch211-86h15.1	2.797003394	4.683465146	-1.886461752	0.032399
peak_18482	chr22	11405327	11405824	143075	Intergenic	NM_200832	mid1ip1b	5.099749972	6.986350933	-1.886600961	1.77E-05
peak_24561	chr19	9596355	9596893	954	intron (NM_001012483, intron 1 of 4)	NM_001012483	crabp2b	4.701125064	6.587806425	-1.886681361	0.000325
peak_19201	chr6	50867538	50868358	-185896	Intergenic	NM_001184955	pigu	5.658131683	7.545253637	-1.887121954	2.64E-05
peak_18217	chr1	47582268	47582796	-6097	Intergenic	NM_001002633	cryzl1	6.10167217	7.988807553	-1.887135384	1.54E-05
peak_17206	chr19	46871047	46871960	4772	intron (NM_001083814, intron 1 of 26)	NM_001083814	ptpro	6.826792699	8.713962499	-1.8871698	8.01E-06
peak_21135	chr10	9776693	9777075	135980	Intergenic	NM_001044910	si:ch211-243g18.	4.620089523	6.507287704	-1.887198181	7.17E-05
peak_24034	chr21	1870875	1871287	-38070	Intergenic	NM_205605	wdr91	4.505422924	6.392654082	-1.887231158	0.000261
peak_33008	chr17	21612716	21613045	1287	exon (NM_001115098, exon 2 of 2)	NM_001115098	hmx2	3.484950298	5.372279081	-1.887328783	0.004408
peak_19994	chr9	57737560	57738220	89769	intron (NM_200682_1, intron 2 of 4)	NM_200682_1	akap17a	5.212203996	7.099594693	-1.887390696	4.11E-05
peak_25716	chr25	2802141	2802850	-139594	Intergenic	NM_001079965	adpgk	4.229335828	6.116846421	-1.887510593	0.000499
peak_43477	chr2	21076554	21076771	54469	Intergenic	NM_001128682	klhl40a	0.944570835	2.832310972	-1.887740137	0.030703
peak_24913	chr10	7856770	7857277	-53191	Intergenic	NM_001113504	il6st	5.487402805	7.375180617	-1.887777812	0.000375
peak_31212	chr9	27148016	27148258	10978	intron (NM_131023, intron 2 of 4)	NM_131023	efnb2a	3.629054199	5.51707166	-1.888017461	0.002771
peak_28474	chr20	29517469	29518513	-8574	Intergenic	NM_001001409	actc1a	4.555944961	6.444025681	-1.88808072	0.001277
peak_20193	chr9	39986023	39986432	71382	Intergenic	NM_200000	myl1	4.520884289	6.409029748	-1.888145458	4.57E-05
peak_29364	chr19	9664351	9664759	-49658	Intergenic	NM_001044874	si:ch211-81a5.5	4.493759878	6.381938062	-1.888178184	0.00169
peak_36921	chr3	12040170	12040462	-78807	intron (NM_001042778, intron 10 of 11)	NM_001076623	prkar1b	3.073219981	4.961460754	-1.888240773	0.010395
peak_37251	chr9	51078538	51078827	60822	Intergenic	NM_001128258	ttc21b	3.224639552	5.113148952	-1.8885094	0.011114
peak_38437	chr13	2893643	2894031	-48344	Intergenic	NM_131567	prph2b	3.365936857	5.254589323	-1.888652467	0.013868
peak_21002	chr15	6207529	6208323	-140784	Intergenic	NM_001005991	zgc:103530	6.304873929	8.193875773	-1.889001844	6.71E-05
peak_22609	chr7	52566601	52567016	8212	intron (NM_001123230, intron 1 of 48)	NM_001123230	col4a5	3.921456318	5.81050049	-1.889044171	0.000142
peak_35134	chr17	47874541	47874879	96102	Intergenic	NM_001006009	zgc:103755	3.271061115	5.160170534	-1.889109419	0.007087
peak_28359	chr25	1512229	1512590	-138233	Intergenic	NM_001077455	ppm1h	3.634375402	5.523496956	-1.889121553	0.001232
peak_34315	chr15	43044395	43044692	28177	Intergenic	NM_001099235_1	zgc:165514	3.217566349	5.106759803	-1.889193454	0.005927
peak_26072	chr8	12335088	12335434	-47739	Intergenic	NM_001113585	anapc7	3.583823625	5.473034823	-1.889211198	0.000565
peak_27031	chr7	62701266	62701720	-21659	Intergenic	NM_001083551	rbpjb	4.728799148	6.618158508	-1.88935936	0.000785
peak_21700	chr2	59957113	59957589	-14691	intron (NM_212882_1, intron 8 of 9)	NR_030000		5.191861895	7.081313976	-1.889452081	9.39E-05
peak_20494	chr6	31596493	31596987	120630	Intergenic	NM_201025	pgm1	4.954531943	6.844092512	-1.889560569	5.29E-05
peak_29841	chr18	41472417	41472648	148370	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	3.268781826	5.158390611	-1.889608785	0.001936
peak_20346	chr23	40659138	40659577	-25653	Intergenic	NM_199972	elovl4b	4.850655209	6.740344101	-1.889688892	4.94E-05
peak_23899	chr1	39757155	39757546	6946	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	4.0373604	5.927099894	-1.889739494	0.000246
peak_22626	chr23	15371940	15372622	68931	intron (NM_001003833, intron 5 of 20)	NM_001003833	sulf2b	4.773790299	6.663700593	-1.889910294	0.000143
peak_26011	chr22	21378255	21378881	-11528	Intergenic	NM_001202512	ssbp4	4.764922485	6.654970489	-1.890048004	0.000552
peak_25613	chr7	25323802	25324151	-7254	Intergenic	NM_194416	mmp14a	3.581988855	5.472320253	-1.890331398	0.000483
peak_15852	chr8	223909	225297	18868	intron (NM_199992, intron 1 of 19)	NM_199992	sema6a	8.232581258	10.1230183	-1.890437046	3.40E-06
peak_19832	chr2	15038432	15038845	89637	Intergenic	NM_200111	arhgap29b	5.301516704	7.19199248	-1.890475776	3.73E-05
peak_21079	chr20	37645698	37646250	-98797	Intergenic	NM_001030164	hivep2a	5.447031973	7.337576968	-1.890544995	6.97E-05
peak_24498	chr25	19580378	19580728	-16792	Intergenic	NM_205690	rlbp1b	4.36386504	6.254500129	-1.890635089	0.000316
peak_26303	chr13	15691680	15692386	35989	Intergenic	NM_001002321	trmt61a	4.245721053	6.136494832	-1.890773779	0.000611
peak_23920	chr17	29583776	29584454	205418	Intergenic	NM_001045177	ptpreb	4.437931469	6.328715341	-1.890783872	0.000248
peak_19737	chr8	54008933	54009438	22515	Intergenic	NM_131058	tbx16	5.630360448	7.521152137	-1.890791689	3.53E-05
peak_15404	chr16	52871750	52872543	178485	Intergenic	NM_001201489	efhb	8.05073208	9.941524416	-1.890792336	2.42E-06
peak_24397	chr16	35809404	35809809	-97171	Intergenic	NM_131161	pou3f1	3.540911861	5.431730394	-1.890818532	0.000304
peak_26429	chr22	33522598	33523046	140219	Intergenic	NM_001040377	zgc:136895	4.650273334	6.541129107	-1.890855773	0.000637
peak_29858	chr7	33760008	33760595	-182572	Intergenic	NM_205624	fshb	4.642320587	6.533210065	-1.890889478	0.001943
peak_19706	chr18	2736136	2736554	150768	Intergenic	NM_001045470	fam168a	5.269888677	7.160900429	-1.891011751	3.48E-05
peak_23957	chr10	39164652	39165213	-126104	Intergenic	NM_001202415	bhlha9	3.808033224	5.699081956	-1.891048732	0.000252
peak_21366	chr20	26981522	26982044	4272	intron (NM_001075116, intron 1 of 1)	NM_001075116	si:dkey-177p2.6	4.475040695	6.366241675	-1.89120098	8.00E-05
peak_18127	chr13	26167856	26168867	91264	Intergenic	NM_001040391	bcl11aa	6.345820302	8.237024039	-1.891203737	1.47E-05
peak_18440	chr8	32199350	32199892	17565	Intergenic	NM_205691	gadd45g	5.499117148	7.39042682	-1.891309672	1.72E-05
peak_21675	chr8	29662787	29663289	-85693	Intergenic	NM_001004123	grid2	4.682359636	6.573686189	-1.891326552	9.29E-05
peak_24767	chr11	1418225	1418811	-52815	intron (NM_001020537, intron 8 of 12)	NM_001243178	zgc:92868	4.719649537	6.611128804	-1.891479267	0.000355
peak_18613	chr2	10175817	10176504	1878	intron (NM_213146, intron 1 of 11)	NM_213146	wls	5.865859134	7.757398661	-1.891539527	1.90E-05
peak_27636	chr1	16083037	16083352	-35623	Intergenic	NM_212967	fat1a	3.85293938	5.744664521	-1.891725141	0.000972
peak_19787	chr4	16136599	16137323	-12881	Intergenic	NM_001033585	sox5	4.927971095	6.819736275	-1.891765181	3.62E-05
peak_37453	chr10	41436478	41437035	179306	Intergenic	NM_200744	smfn	3.826837893	5.718624172	-1.891786279	0.011561
peak_18541	chr13	49779645	49780552	-54245	Intergenic	NM_001003463	ntpcr	5.228163191	7.119956441	-1.89179325	1.82E-05
peak_19976	chr12	44615581	44616126	160835	intron (NM_001110011_1, intron 17 of 20)	NM_001110011_1	dock1	4.522798387	6.414656893	-1.891858506	4.06E-05
peak_19176	chr23	21831221	21831748	-2336	Intergenic	NM_213176	rcc2	5.95701151	7.848910124	-1.891898613	2.60E-05
peak_20553	chr9	33786688	33787063	-52	promoter-TSS (NM_178100)	NM_178100	olig2	4.163239007	6.055149853	-1.891910846	5.46E-05
peak_29114	chr1	52732608	52733093	-14935	Intergenic	NM_001145598	cnn1a	4.075753794	5.967800536	-1.892046742	0.001564
peak_37572	chr13	1478557	1478894	-197593	Intergenic	NM_201000	bag2	1.787481669	3.679595395	-1.892113726	0.011795
peak_29439	chr7	50403815	50404192	76515	Intergenic	NM_131433	igf2a	4.096540606	5.988718835	-1.892178229	0.001724
peak_26107	chr16	55345326	55346324	-27586	Intergenic	NM_001163294	col27a1a	5.572290886	7.464472256	-1.89218137	0.000571
peak_20664	chr24	4771398	4771916	73747	Intergenic	NM_001110021	cpb1	5.669864721	7.562237992	-1.89237327	5.77E-05
peak_15929	chr17	1007415	1008246	57564	Intergenic	NM_214820	adssl1	7.682894709	9.575315376	-1.892420668	3.59E-06
peak_22646	chr16	442208	442789	-43724	Intergenic	NM_131755	slc6a3	5.266465608	7.158895178	-1.892429571	0.000145
peak_16261	chr13	51708158	51709530	86490	intron (NM_001014817_1, intron 4 of 4)	NM_001014817_1	dntt	7.042559137	8.935088263	-1.892529126	4.46E-06
peak_23328	chr21	3418951	3419319	-219194	Intergenic	NM_213302	hnrnpabb	4.631717254	6.524257262	-1.892540008	0.000192
peak_42874	chr7	12375390	12375856	-173710	Intergenic	NM_001080704	mesdc2	0.625495796	2.5181393	-1.892643504	0.028024
peak_23572	chr23	7921921	7923284	138316	Intergenic	NM_001100145	kif3b	6.533545811	8.426315091	-1.89276928	0.000213
peak_25622	chr15	18775724	18776289	-24094	Intergenic	NM_212634	alcamb	5.221696597	7.114473466	-1.892776869	0.000484
peak_40430	chr4	54038383	54039084	-439085	Intergenic	NM_001109740	zgc:173619	2.075829856	3.968705584	-1.892875728	0.019341
peak_30608	chr15	21286303	21286745	13079	exon (NM_001020690, exon 7 of 8)	NM_001020690	hepacam	4.205700064	6.098636303	-1.892936239	0.002372
peak_20171	chr6	44194350	44195108	66080	intron (NM_001256392, intron 3 of 9)	NM_001110371	ppp4r2b	7.719023581	9.611999765	-1.892976183	4.52E-05
peak_16390	chr18	100788	101675	-13249	Intergenic	NM_001030061	trpm7	6.153679392	8.047123158	-1.893443766	4.86E-06
peak_25605	chr14	1306417	1306916	17568	Intergenic	NM_001128574	il21	4.194866279	6.088338622	-1.893472343	0.000482
peak_25661	chr16	40014624	40015239	-100800	Intergenic	NM_001037432	zgc:123285	4.47701655	6.370736163	-1.893719614	0.000489
peak_19482	chr9	52262652	52263163	-348641	Intergenic	NM_001242770	gcgb	5.490829325	7.384607819	-1.893778494	3.06E-05
peak_25200	chr3	60599064	60599584	15110	intron (NM_001130778_1, intron 1 of 3)	NM_001130778_1	zgc:194562	4.776199364	6.670137819	-1.893938456	0.000416
peak_23841	chr7	28433856	28434558	17791	intron (NM_001123009, intron 1 of 14)	NM_001123009	sox6	5.499631537	7.393654478	-1.894022941	0.000241
peak_24336	chr11	40769856	40770330	-333531	Intergenic	NM_001040387	wnt4a	4.581017006	6.475047722	-1.894030716	0.000297
peak_36764	chr7	50482948	50483328	155650	Intergenic	NM_131433	igf2a	4.54662253	6.440665867	-1.894043337	0.01005
peak_29128	chr1	35648056	35648439	-16303	Intergenic	NM_001105112	mmaa	4.026608515	5.920712365	-1.89410385	0.001573
peak_17800	chr2	24624717	24625279	-12662	Intergenic	NM_001003419	rab3aa	6.819013447	8.713133278	-1.894119831	1.21E-05
peak_17414	chr7	56024348	56025092	45208	intron (NM_001077575, intron 11 of 12)	NM_001077575	trip4	5.8009293	7.695081242	-1.894151943	9.23E-06
peak_17042	chr8	3142113	3143143	-109362	Intergenic	NM_001040010	lhx2b	6.831626478	8.725782987	-1.89415651	7.21E-06
peak_19283	chr2	40274014	40274631	192423	Intergenic	NM_153658	epha4b	6.617404898	8.511591056	-1.894186158	2.76E-05
peak_32260	chr14	30460617	30460931	-184257	Intergenic	NM_001045414	zgc:153146	2.895012766	4.78923778	-1.894225014	0.003652
peak_32060	chr9	22016902	22017221	84255	Intergenic	NM_153664	tbx15	2.953113131	4.847396001	-1.89428287	0.003479
peak_34521	chr17	42934797	42935146	5316	intron (NM_131422, intron 1 of 2)	NM_131422	nkx2.2a	3.735417151	5.629722062	-1.89430491	0.006212
peak_36796	chr12	37939174	37939525	-122969	Intergenic	NR_034207		1.426730103	3.321135835	-1.894405732	0.010107
peak_38909	chr24	30361505	30361937	82960	Intergenic	NM_001163988	prmt6	1.459077363	3.353541256	-1.894463893	0.014997
peak_37829	chr8	10990539	10991111	-76165	Intergenic	NM_001077391	zgc:153997	4.31603542	6.210514753	-1.894479333	0.012352
peak_23219	chr9	3632214	3632760	35870	Intergenic	NM_180973	sp5a	4.385125888	6.27960836	-1.894482471	0.000185
peak_21035	chr3	61483718	61484261	-32550	Intergenic	NM_001009906	zgc:92781	5.342286181	7.236788955	-1.894502774	6.82E-05
peak_24812	chr10	40884678	40885119	-199645	Intergenic	NM_001037674	smtlb	4.263000995	6.157630374	-1.894629379	0.000361

peak_21443	chr19	507614	508044	-65873	Intergenic	NM_200674	dus3l	5.110645842	7.005287371	-1.89464153	8.30E-05
peak_19948	chr14	28079287	28079791	268446	Intergenic	NM_001110457	klhl4	4.394564553	6.289288447	-1.894723894	3.98E-05
peak_20157	chr21	9194806	9195148	11320	intron (NM_001163923_1, intron 2 of 4)	NM_001163923_1	ccbe1	4.417440195	6.312190242	-1.894750048	4.48E-05
peak_20082	chr7	1921091	1921533	-148906	Intergenic	NM_200561_1		4.368129927	6.262884994	-1.894755067	4.31E-05
peak_25473	chr9	54564581	54564925	180967	intron (NM_001288817, intron 15 of 31)	NM_001288817	trpm2	3.548447992	5.443207609	-1.894759617	0.00046
peak_32674	chr8	17975769	17976092	59916	intron (NM_130935, intron 1 of 6)	NM_130935	skia	3.33794409	5.232787798	-1.894843708	0.004054
peak_35508	chr13	28010946	28011380	-7857	Intergenic	NR_030044		3.982619035	5.877545708	-1.894926673	0.00769
peak_28267	chr13	54005240	54005807	-41452	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	4.889874284	6.784941423	-1.895067139	0.001197
peak_20028	chr13	40160855	40161638	-109939	Intergenic	NM_001202417	marveld1	5.763709003	7.658827814	-1.89511881	4.20E-05
peak_40208	chr13	26714392	26714749	-213268	Intergenic	NM_212982	fancl	3.188780911	5.08390375	-1.895122839	0.018629
peak_38416	chr23	43754768	43755069	5671	intron (NM_001122622, intron 1 of 2)	NM_001122622	zgc:174862	2.210458296	4.105769816	-1.895311519	0.013832
peak_19735	chr13	7315100	7315670	-303293	Intergenic	NM_001037101	hells	4.920730635	6.816202194	-1.895471559	3.52E-05
peak_16215	chr21	18821907	18823270	-74846	Intergenic	NM_212709	ppp1r3b	7.768853385	9.664363675	-1.89551029	4.33E-06
peak_27181	chr6	58435546	58435937	10362	Intergenic	NM_001013289	arfrp1	4.056062627	5.951624516	-1.895561889	0.000827
peak_22459	chr3	57942350	57943212	-107786	Intergenic	NM_001123516	fscn2a	6.013676141	7.909338185	-1.895662045	0.000133
peak_25570	chr19	30514246	30515246	4218	Intergenic	NM_194392	tpbgl	5.957719176	7.85344746	-1.895728284	0.000476
peak_39179	chr24	2489300	2489648	-39681	Intergenic	NM_001076711	f13a1a.1	3.044039864	4.939850141	-1.895810277	0.015775
peak_24485	chr23	2126754	2127343	-67926	Intergenic	NM_001002301	prdm5	4.383019995	6.27883362	-1.895813625	0.000314
peak_27707	chr15	31451806	31452219	-43444	Intergenic	NM_001005935	arfip2a	3.589313976	5.485200239	-1.895886263	0.000993
peak_21457	chr12	46715996	46716615	-94870	Intergenic	NM_212942	fbxl15	6.208658456	8.10457698	-1.895918524	8.36E-05
peak_28610	chr21	8014672	8014976	-1722	Intergenic	NM_001045299	crb2a	2.455073397	4.350996128	-1.895922731	0.001336
peak_20764	chr2	41419528	41419990	-6714	Intergenic	NM_001020567	zgc:110158	5.353653748	7.249662136	-1.896008388	6.01E-05
peak_18626	chr10	19067069	19067763	19911	Intergenic	NM_001004006	tmem230a	7.161866802	9.057893205	-1.896026403	1.91E-05
peak_31642	chr4	23783044	23783452	368395	Intergenic	NM_131211	gata3	3.804890439	5.701483564	-1.896593125	0.003119
peak_33563	chr18	41460103	41460445	136112	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	3.658951426	5.555584765	-1.896633339	0.004982
peak_20946	chr5	68927522	68927971	-7202	Intergenic	NM_001002088	tmem8c	4.908295128	6.80494745	-1.896652322	6.52E-05
peak_23134	chr5	38005298	38005623	-10326	Intergenic	NM_001080643	fam155b	3.924355407	5.821055693	-1.896700286	0.000179
peak_26793	chr11	29605865	29606194	111625	intron (NM_001278321, intron 4 of 9)	NM_001172642	aadacl4	3.385125888	5.282191321	-1.897065433	0.000726
peak_21339	chr15	39399060	39399739	-153964	Intergenic	NM_131395	mtnr1ba	6.266482269	8.163582116	-1.897099848	7.87E-05
peak_28563	chr4	24179139	24179492	-27672	intron (NM_001042744, intron 4 of 6)	NM_131211	gata3	4.274473311	6.171611476	-1.897138165	0.001317
peak_21657	chr7	19731652	19732368	83900	Intergenic	NM_001127308	dtx1	5.305969655	7.203136147	-1.897166492	9.24E-05
peak_34545	chr9	40107778	40108203	-50381	Intergenic	NM_200000	myl1	3.494735408	5.39191815	-1.897182742	0.006245
peak_26182	chr12	30903738	30904168	115673	Intergenic	NM_001111150	bms1l	3.837642815	5.735351935	-1.89770912	0.000586
peak_29390	chr12	9418878	9419406	95200	Intergenic	NM_001002613	nrbf2b	4.180387832	6.078193005	-1.897805173	0.001701
peak_29447	chr9	25200018	25200332	-26211	Intergenic	NM_200535	stk17b	3.027956891	4.925769771	-1.89781288	0.001728
peak_19164	chr24	13944971	13945681	116064	Intergenic	NM_131193	eya1	6.008582688	7.906661273	-1.898078585	2.59E-05
peak_27429	chr15	1201985	1202327	6064	intron (NM_001037426, intron 6 of 13)	NM_001037426	mfsd1	3.277877455	5.176052749	-1.898175294	0.000902
peak_27178	chr6	44747805	44748070	-414655	Intergenic	NM_001256392	pdzrn3b	3.587486179	5.485903382	-1.898417202	0.000826
peak_38412	chr7	20754218	20754507	3409	exon (NM_001105130, exon 3 of 10)	NM_001105130	oxa1l	3.313826142	5.212245876	-1.898419734	0.013806
peak_36509	chr16	57899928	57900234	-36	promoter-TSS (NM_201289)	NM_201289	pklr	3.200926086	5.099421029	-1.898494943	0.009566
peak_38798	chr18	12933737	12934101	208287	Intergenic	NM_001044968	plcg2	3.378798964	5.277309404	-1.89851044	0.014763
peak_32076	chr21	7522270	7522739	603	exon (NM_001128703, exon 2 of 3)	NM_001128703	otpa	3.981227592	5.879846531	-1.898618939	0.003491
peak_23159	chr20	23015795	23016064	-2193	Intergenic	NM_200140	rasl11b	3.730456497	5.629329692	-1.898873195	0.000181
peak_31873	chr14	32984071	32984339	92054	Intergenic	NM_001001837	zic6	3.389328476	5.288258801	-1.898930325	0.00333
peak_17078	chr25	2721640	2722346	-59092	Intergenic	NM_001079965	adpgk	6.36626559	8.265250064	-1.898984474	7.37E-06
peak_24340	chr19	40356464	40356874	385713	Intergenic	NM_212579	col9a2	4.359587508	6.258590932	-1.899003424	0.000298
peak_18468	chr15	17881051	17881703	139944	intron (NM_001113552, intron 7 of 8)	NM_001113552	cadm1b	5.68663467	7.585665521	-1.899030851	1.75E-05
peak_29979	chr10	37213056	37213790	22156	Intergenic	NM_001007431	katnal1	4.986132253	6.885201155	-1.899068901	0.002016
peak_29057	chr6	38101811	38102301	-403997	Intergenic	NM_001006062	nipa1	4.456075431	6.355145946	-1.899070516	0.001539
peak_37778	chr2	29103485	29103827	96281	Intergenic	NM_131110	cahz	3.137236739	5.036378629	-1.899141891	0.012223
peak_23664	chr1	4796810	4797444	-175462	Intergenic	NM_212965	nrp2a	6.694971866	8.594118043	-1.899146177	0.000221
peak_29988	chr6	57926258	57926711	128790	intron (NM_212908, intron 2 of 6)	NM_212908	tox2	4.385125888	6.284275549	-1.899149661	0.002019
peak_22536	chr18	45604742	45605456	-142986	Intergenic	NM_199925	zgc:77304	4.737939164	6.637386093	-1.899446929	0.000137
peak_22857	chr8	5946564	5947041	6656	Intergenic	NM_001082937	or129-1	5.284097602	7.183646171	-1.899548569	0.000158
peak_27045	chr12	31863256	31863641	71805	Intergenic	NM_001164028	tdrd1	3.641439946	5.540990534	-1.899550588	0.000789
peak_40491	chr2	36950919	36951201	3109	intron (NM_001128716, intron 1 of 9)	NM_001128716	samd7	2.883141315	4.782859133	-1.899717818	0.019567
peak_17145	chr21	28822343	28822822	32613	Intergenic	NM_001173499	slc23a1	6.064299967	7.964078262	-1.899778295	7.71E-06
peak_15052	chr6	6465135	6466241	57860	Intergenic	NM_001100951	bcl11ab	7.516073892	9.415981224	-1.899907331	1.88E-06
peak_16012	chr13	800538	801739	17120	intron (NM_001142266, intron 2 of 11)	NM_001142266	pcsk2	6.439437433	8.339461534	-1.900024101	3.80E-06
peak_24358	chr16	8460017	8460390	54253	Intergenic	NM_200373	sri	4.314866759	6.214974094	-1.900107334	0.0003
peak_20761	chr15	34795963	34796922	246816	Intergenic	NM_001080189_1	zgc:158328	6.729030602	8.629144745	-1.900114142	6.00E-05
peak_15843	chr2	11567350	11568362	-113648	Intergenic	NM_001020566	zgc:110130	7.337128491	9.237265009	-1.900136518	3.37E-06
peak_23433	chr6	37363090	37363523	7875	intron (NM_212604, intron 10 of 11)	NM_212604	cth	4.541856033	6.44200827	-1.900152237	0.0002
peak_15263	chr18	25851636	25853070	20530	intron (NM_199792, intron 1 of 5)	NM_199792	znf710a	7.969361177	9.869544521	-1.900183343	2.20E-06
peak_21075	chr18	7281222	7281992	178831	Intergenic	NM_001044963	rabl2	5.99997995	7.900271004	-1.900291054	6.96E-05
peak_21296	chr6	14905488	14906281	25003	intron (NM_001045396, intron 5 of 10)	NM_001045396	mrps9	5.526646803	7.427096639	-1.900449836	7.72E-05
peak_21383	chr7	34118446	34119164	48858	Intergenic	NM_001005398	slc17a6b	5.570876996	7.47134455	-1.900467554	8.09E-05
peak_39637	chr12	42485954	42486363	-643585	Intergenic	NM_212880	zgc:76887	2.806462687	4.706968861	-1.900506174	0.016967
peak_14960	chr15	89338	91272	-18931	Intergenic	NM_001020822	cyp2y3	8.183015918	10.0835328	-1.900516882	1.75E-06
peak_18023	chr25	7787523	7788253	12154	Intergenic	NM_001177312	ifitm5	6.678261539	8.578875208	-1.900613669	1.38E-05
peak_15436	chr6	19149306	19149901	-62349	Intergenic	NM_001017556	rhbdl3	6.993255365	8.893912822	-1.900657457	2.49E-06
peak_27283	chr10	40903380	40904071	-218472	Intergenic	NM_001037674	smtlb	4.967279848	6.868053598	-1.90077375	0.000856
peak_27719	chr9	35684405	35684914	72118	Intergenic	NM_001126411	shox	4.963056757	6.86401629	-1.900959533	0.000998
peak_22634	chr5	74849954	74850862	-15590	intron (NM_001007778, intron 10 of 14)	NM_001003993	ak1	5.121460037	7.022430725	-1.900970687	0.000144
peak_24568	chr7	44679560	44680424	-33476	Intergenic	NM_213493	dnaja2	4.937371553	6.838388981	-1.901017428	0.000326
peak_30735	chr18	6588068	6588576	130	exon (NM_201328, exon 1 of 13)	NM_201328	pak1	3.893534166	5.794665484	-1.901131318	0.002448
peak_42651	chr21	37624917	37625432	25895	intron (NM_200427, intron 1 of 1)	NM_001025166	rbmx2	3.445014594	5.346188195	-1.901173601	0.027064
peak_21595	chr2	55064951	55065356	85495	Intergenic	NM_001020630	rab12	5.142189498	7.04347025	-1.901280752	8.97E-05
peak_18071	chr18	47963327	47963983	-136196	Intergenic	NM_001007334	yif1b	5.692198151	7.593509644	-1.901311493	1.42E-05
peak_23880	chr20	35233812	35234314	36705	Intergenic	NM_001042761	fzd3a	5.314346545	7.215722109	-1.901375565	0.000245
peak_22621	chr11	3500397	3500805	56472	intron (NM_001083015_1, intron 1 of 2)	NM_001083015_1	acap3b	4.618300328	6.51967785	-1.901377521	0.000142
peak_26755	chr2	46789096	46789884	-346751	Intergenic	NM_201020_1	gpc1b	4.65197232	6.553415354	-1.901443034	0.000717
peak_41325	chr21	15218197	15218418	-273419	Intergenic	NM_001166121	aqp3b	2.745287581	4.646802195	-1.901514614	0.022387
peak_22717	chr16	19465234	19465545	-58312	Intergenic	NM_001109824	zyx	4.198463301	6.100072835	-1.901609535	0.000149
peak_31390	chr11	34876278	34876962	57059	Intergenic	NM_199856	tdo2b	4.349916436	6.251586389	-1.901669954	0.002909
peak_19339	chr15	45017129	45017697	44920	Intergenic	NM_001162527	LOC100151049	6.152425562	8.054176122	-1.90175056	2.83E-05
peak_25074	chr21	20977991	20978601	88723	intron (NM_212752, intron 6 of 15)	NM_001080681	elmod1	4.810385827	6.712140862	-1.901755034	0.000399
peak_31443	chr17	23127418	23127716	-1188	Intergenic	NM_001100139	zgc:165461	3.275608918	5.177449367	-1.901840449	0.002945
peak_28452	chr16	8669888	8670127	-7235	Intergenic	NM_199515	prdm1a	2.964424746	4.866340073	-1.901915327	0.001269
peak_20667	chr2	15380969	15381519	2225	intron (NM_001184954, intron 1 of 66)	NM_001184954	col11a1b	4.789821631	6.691775578	-1.901953947	5.78E-05
peak_26727	chr10	45354377	45354870	55337	Intergenic	NM_200592	nr2f1b	4.450052762	6.352108292	-1.90205553	0.000707
peak_43140	chr13	19489152	19489425	121696	Intergenic	NM_131280	emx2	3.420463621	5.322651056	-1.902187434	0.029215
peak_15125	chr13	47835456	47837705	25763	intron (NM_001135791, intron 3 of 3)	NM_001135791	bcl2l11	8.416403446	10.31863234	-1.902228894	1.98E-06
peak_23316	chr9	2184793	2185498	-143844	Intergenic	NM_201176	atp5g3a	5.857496901	7.759777543	-1.902280642	0.000192
peak_23265	chr5	7818033	7818582	-1855	Intergenic	NM_001014306	lifra	4.038698769	5.94103737	-1.902338601	0.000188
peak_31991	chr12	27119690	27120028	-8543	Intergenic	NM_131363	six3b	2.978440673	4.880861182	-1.902420509	0.003421
peak_23481	chr19	43820812	43821579	-9112	Intergenic	NM_001045041	si:ch211-191i18..	5.090062722	6.992492065	-1.902429344	0.000205
peak_19303	chr9	48952930	48953954	-71524	Intergenic	NM_001003480	zgc:92380	5.684498737	7.58716411	-1.902665373	2.78E-05
peak_34750	chr15	27140300	27140592	-81209	Intergenic	NM_131216	lhx1a	1.653720264	3.556449223	-1.902728958	0.006484
peak_25546	chr2	28859802	28860414	-104310	Intergenic	NM_001076735	cdh18	4.789821631	6.692612178	-1.902790547	0.000471
peak_19898	chr13	34047548	34048076	3823	intron (NM_001256646, intron 1 of 2)	NM_001256646	flrt3	4.930136166	6.832939268	-1.902803102	3.87E-05
peak_27656	chr5	42037284	42037757	-73140	intron (NM_001100033, intron 4 of 4)	NM_001020676	ndufs4	4.755185932	6.658084662	-1.90289873	0.000976
peak_23928	chr7	33107038	33107463	22088	Intergenic	NM_001007453	nap1l4b	4.137163847	6.04029929	-1.903135444	0.000249
peak_28564	chr17	41603844	41604252	24390	Intergenic	NM_199658	insm1b	4.096540606	5.999844705	-1.903304098	0.001317
peak_32809	chr17	41666046	41666532	86631	Intergenic	NM_199658	insm1b	4.187645218	6.091035276	-1.903390057	0.004185

peak_19506	chr20	28464490	28465188	4363	intron (NM_001111169, intron 1 of 11)	NM_001111169	dpf3	5.795793521	7.699267612	-1.903474091	3.10E-05
peak_21922	chr20	38994562	38994974	59782	intron (NM_001082893, intron 1 of 5)	NM_001082893	si:dkey-221h15.1	4.254962771	6.158458853	-1.903496081	0.000105
peak_42996	chr5	40866933	40867439	-95757	Intergenic	NM_200710	paqr3a	3.523698724	5.427351982	-1.903653258	0.028629
peak_22221	chr9	58097918	58098311	-16663	Intergenic	NM_200417	gpr39	4.907562792	6.811410706	-1.903847913	0.00012
peak_33328	chr18	23045427	23045847	71056	intron (NM_131301, intron 3 of 9)	NM_131301	mef2aa	3.877168754	5.781130673	-1.903961918	0.004731
peak_21037	chr7	55567483	55568174	1633	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	5.675923238	7.579912967	-1.903989729	6.83E-05
peak_37968	chr1	22942941	22943218	92598	Intergenic	NM_152975	mab21l2	2.702019304	4.606034084	-1.904014779	0.012683
peak_19420	chr15	38189530	38190445	23666	intron (NM_131633, intron 1 of 29)	NM_131633	robo2	5.985111585	7.889582483	-1.904470899	2.96E-05
peak_42959	chr2	50748551	50748940	19821	intron (NM_001033920, intron 2 of 7)	NM_001033920	ahrrb	0.653720264	2.558271047	-1.904550783	0.028429
peak_33517	chr11	22920373	22920606	176536	exon (NM_001199491, exon 17 of 18)	NM_001199491	foxp4	3.142225818	5.046786022	-1.904560204	0.004941
peak_20465	chr20	17513924	17514517	-271801	Intergenic	NM_131081	cdh2	5.669000739	7.573637922	-1.904637182	5.21E-05
peak_28392	chr23	994720	995010	71496	Intergenic	NM_001030233	zgc:113423	2.970047467	4.87470469	-1.904657223	0.001245
peak_22972	chr13	3262775	3263500	-94856	Intergenic	NM_001017635	park2	4.997229056	6.901996999	-1.904767943	0.000167
peak_40696	chr5	20251091	20251464	429954	Intergenic	NM_201009	aacs	2.874173177	4.779161943	-1.904988766	0.020214
peak_25949	chr16	10011718	10012114	-48087	Intergenic	NM_001289913	cobl	4.602949131	6.507979364	-1.905030232	0.00054
peak_21382	chr22	12551799	12552134	-9011	Intergenic	NM_199522	rnd3a	4.315971024	6.221061855	-1.90509083	8.08E-05
peak_37069	chr1	44675605	44676231	-17621	Intergenic	NM_001201344	slc43a3a	3.426730103	5.332029147	-1.905299044	0.01071
peak_18658	chr17	41579310	41581116	555	exon (NM_199658, exon 1 of 1)	NM_199658	insm1b	6.434616189	8.340211021	-1.905594833	1.95E-05
peak_27069	chr16	27803276	27803684	28080	Intergenic	NM_001080022	mylipb	4.557867589	6.463578939	-1.905711351	0.000794
peak_29133	chr1	30367000	30367332	198473	Intergenic	NM_001017795	eef1a1b	4.198463301	6.104195839	-1.905732538	0.001576
peak_18668	chr5	16053499	16054523	40349	Intergenic	NM_001002154	ap3m2	6.650891543	8.556715181	-1.905823639	1.95E-05
peak_42114	chr24	24161358	24161689	117809	Intergenic	NM_001075111	hnf4g	3.410159719	5.316133763	-1.905974044	0.025034
peak_28081	chr7	74154706	74155103	220350	Intergenic	NM_001006020_1	ccdc149a	3.632603848	5.538587029	-1.905983181	0.001133
peak_33695	chr5	6508072	6508347	-4241	Intergenic	NM_001013333	zgc:110796	2.096540606	4.002545649	-1.906005042	0.005139
peak_17828	chr22	19938015	19938615	-20323	Intergenic	NM_199573	rgmd	5.535206157	7.441296571	-1.906090414	1.22E-05
peak_17682	chr1	46693927	46695029	3038	Intergenic	NM_001037662	sox1b	5.995162437	7.90131979	-1.906157353	1.11E-05
peak_17945	chr19	45124221	45124858	-64562	Intergenic	NM_201081	wasf2	5.7514701	7.657686352	-1.906216252	1.32E-05
peak_38049	chr9	45127975	45128234	227469	Intergenic	NM_001089474	cerkl	1.224639552	3.130863402	-1.90622385	0.012889
peak_35205	chr1	35259293	35259585	55987	intron (NM_213357, intron 1 of 8)	NM_213357	gab1	3.174240955	5.080475719	-1.906234764	0.007189
peak_23552	chr12	41403589	41404224	1052505	Intergenic	NM_001099246	abca5	4.446023636	6.352315214	-1.906291578	0.000211
peak_15315	chr3	41913050	41918005	3246	intron (NM_130971, intron 1 of 7)	NM_130971	lfng	9.353786204	11.26008551	-1.906299308	2.30E-06
peak_16835	chr3	37344768	37345836	-201939	Intergenic	NM_001024223	mlx	5.993783045	7.900455213	-1.906672169	6.44E-06
peak_32811	chr16	42196458	42196759	40741	intron (NM_182855, intron 5 of 7)	NM_182855	tgfbr2	3.747021639	5.653787364	-1.906765725	0.004185
peak_24043	chr23	9824738	9825309	50566	intron (NM_001039171, intron 2 of 79)	NM_001039171	lama5	5.212831541	7.119662678	-1.906831138	0.000262
peak_29651	chr6	5753618	5754234	411748	Intergenic	NM_001201446	rtn4a	4.017134431	5.924001353	-1.906866922	0.001832
peak_30398	chr1	20428847	20429337	83103	Intergenic	NM_001037378	primpol	4.267574237	6.174475313	-1.906901075	0.002251
peak_19546	chr10	43989451	43990760	35273	intron (NM_001161732, intron 2 of 17)	NM_001161732	fgfr1b	7.531652861	9.43881528	-1.907162419	3.18E-05
peak_27358	chr4	3813917	3814391	-38567	Intergenic	NM_001144049	gpr37b	3.917096733	5.824262063	-1.90716533	0.000879
peak_20458	chr3	47453729	47454332	-967	promoter-TSS (NM_001278819)	NM_001278819	gas7a	5.075791826	6.983046566	-1.90725474	5.20E-05
peak_18563	chr24	2641130	2641963	35044	intron (NM_001105594, intron 2 of 2)	NM_001105594	fars2	5.356339706	7.263627045	-1.907287339	1.84E-05
peak_25840	chr11	29259687	29260028	164876	Intergenic	NM_001033094_1	ephb2b	3.951692923	5.85902668	-1.907333757	0.00052
peak_16518	chr7	49771938	49772463	-4728	Intergenic	NM_001001842	crabp1b	5.68535349	7.592713408	-1.907359918	5.34E-06
peak_20313	chr18	6569037	6569527	-18910	Intergenic	NM_201328	pak1	5.236968832	7.144375231	-1.907406399	4.85E-05
peak_21248	chr5	67609377	67610208	-941	promoter-TSS (NR_029939)	NR_029939		6.778015213	8.685488997	-1.907473784	7.55E-05
peak_29542	chr21	31846880	31847397	9807	intron (NR_120380, intron 2 of 5)	NR_120380		3.025258877	4.932788751	-1.907529873	0.00178
peak_27062	chr7	27850542	27851045	15654	intron (NM_212661, intron 3 of 10)	NM_212661	cd82a	4.409185638	6.316899066	-1.907713428	0.000792
peak_24362	chr15	22922382	22922769	-45805	Intergenic	NM_001024388	hmbsb	4.306002077	6.213843488	-1.907841411	0.0003
peak_21326	chr13	6597917	6598598	-61476	Intergenic	NM_205675	pitx3	5.832591293	7.740495852	-1.907904559	7.82E-05
peak_24083	chr6	32234692	32234994	-131002	Intergenic	NM_199579	usp1	3.644959288	5.552889214	-1.907929926	0.000266
peak_28256	chr12	39595970	39596355	494488	Intergenic	NM_001110169	zgc:171957	4.5783123	6.486283293	-1.907970993	0.001191
peak_26559	chr5	4958841	4959484	-55775	Intergenic	NM_001110024	zbtb43	4.522798387	6.430787177	-1.907988791	0.000666
peak_20158	chr18	8988323	8988789	41002	intron (NM_001045084, intron 4 of 16)	NM_001045084	sema3e	5.082944919	6.991060617	-1.908115697	4.48E-05
peak_34640	chr13	23099305	23099739	2281	intron (NM_001017773, intron 1 of 7)	NM_001017773	tspan15	4.548502803	6.456924342	-1.908421539	0.006367
peak_21063	chr25	11455309	11455941	-62169	Intergenic	NM_001265607	mespbb	5.463099324	7.371558849	-1.908459525	6.92E-05
peak_17073	chr12	8447599	8448347	-148726	Intergenic	NM_200241	ccdc6b	6.908295128	8.816861676	-1.908566548	7.35E-06
peak_16305	chr15	4379279	4380156	7375	intron (NM_198208, intron 1 of 13)	NM_198208	tfdp2	6.749632428	8.658556041	-1.908923613	4.62E-06
peak_25136	chr9	6739162	6739518	-36655	Intergenic	NM_131150	pou3f3a	4.432791331	6.341828544	-1.909037213	0.000407
peak_15454	chr18	5192950	5194197	44031	Intergenic	NM_001013457	gcsha	7.427196434	9.336258258	-1.909061824	2.53E-06
peak_38538	chr8	4912316	4912762	6234	Intergenic	NM_213274	cldn5a	3.708761012	5.618102875	-1.909341863	0.014077
peak_34532	chr9	52991651	52992163	-78256	Intergenic	NM_001076600	tank	4.048110285	5.95749799	-1.909387705	0.00623
peak_20987	chr6	36349296	36349868	-18297	Intergenic	NM_131079	her6	5.880531361	7.789919824	-1.909388463	6.66E-05
peak_28551	chr14	29891698	29892090	-305534	Intergenic	NM_001039064	insb	3.895012766	5.804637057	-1.909624291	0.00131
peak_33333	chr21	3217710	3218013	-17920	Intergenic	NM_213302	hnrnpabb	2.718814869	4.628524157	-1.909709288	0.004743
peak_16726	chr23	37912123	37913317	3845	Intergenic	NM_131881	irx7	6.982148129	8.891910494	-1.909762365	6.05E-06
peak_20342	chr20	25250762	25251362	-3823	Intergenic	NM_001045206	moxd1	5.065941806	6.975786952	-1.909845146	4.94E-05
peak_25384	chr23	23390069	23390842	83104	Intergenic	NM_001003830	noc2l	4.938088916	6.848098587	-1.910009671	0.000446
peak_26838	chr6	47731772	47732408	-55012	Intergenic	NM_200112	padi2	4.791410378	6.701489448	-1.91007907	0.000738
peak_16794	chr8	29937469	29938464	189235	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	6.563908706	8.474209365	-1.910300659	6.30E-06
peak_16085	chr12	18411540	18412308	79787	Intergenic	NM_001001822	ptenb	7.23710607	9.147576534	-1.910470465	3.96E-06
peak_17703	chr22	39066544	39067143	347642	Intergenic	NM_001017600	polr2h	5.553633649	7.464127316	-1.910493667	1.13E-05
peak_26957	chr6	25468734	25469063	218688	Intergenic	NM_212689	lmo4b	4.150915405	6.061478376	-1.910562971	0.000766
peak_17920	chr7	66479843	66480988	149876	Intergenic	NM_001077722	tpcn2	6.978132624	8.888766655	-1.910634031	1.30E-05
peak_35774	chr4	18475050	18475459	153210	intron (NM_182865, intron 16 of 23)	NM_182865	snd1	3.044039864	4.954678378	-1.910638514	0.008161
peak_36392	chr11	9279394	9279910	631243	Intergenic	NM_001020583	tbl1xr1a	2.122017822	4.032772252	-1.91075443	0.009307
peak_29833	chr5	66813821	66814294	-28419	Intergenic	NM_201495	rab14	4.799327975	6.710253096	-1.910925121	0.001933
peak_23475	chr13	13161015	13161688	-5724	Intergenic	NM_131606	fgfr3	5.784646086	7.695574491	-1.910928405	0.000204
peak_33002	chr7	23887743	23888242	2169	intron (NM_200211, intron 1 of 16)	NM_200211	fxr2	3.55032589	5.46129316	-1.910967271	0.0044
peak_15341	chr6	15655502	15656839	1504	intron (NM_001083832, intron 1 of 1)	NM_001083832	ackr3b	6.769967701	8.681074776	-1.911107075	2.33E-06
peak_30191	chr24	5077700	5078102	19966	Intergenic	NM_001076612	zic4	3.868163296	5.779420819	-1.911257523	0.00214
peak_16456	chr5	1845280	1846464	10534	Intergenic	NM_200293_1	ddrgk1	7.368004605	9.279383632	-1.911379027	5.10E-06
peak_23015	chr11	24419707	24420089	-163325	Intergenic	NM_001113489	kiss1	4.646715745	6.558129255	-1.91141351	0.00017
peak_42243	chr7	4049367	4049939	-15892	Intergenic	NM_001025479	si:dkey-88n24.6	2.106785545	4.018450353	-1.911664808	0.025445
peak_25222	chr2	30016088	30016569	22801	intron (NM_001044348, intron 3 of 5)	NM_001044348	jph1b	4.966535835	6.878222894	-1.911687059	0.000419
peak_35902	chr23	44438215	44438503	-38107	intron (NM_214728, intron 9 of 19)	NM_131417	ephb4b	2.238682765	4.150423391	-1.911740626	0.008363
peak_40645	chr1	6124588	6124914	52300	intron (NM_001143751_2, intron 1 of 10)	NM_001143751_2	erbb4a	3.25733105	5.169205424	-1.911874374	0.020061
peak_18287	chr25	6850989	6851493	47049	Intergenic	NM_001122855	snx33	5.191861895	7.103816949	-1.911955054	1.60E-05
peak_42369	chr13	5186042	5186575	59638	intron (NM_131893, intron 9 of 12)	NM_131893	meis1	3.559678887	5.4717829	-1.912104013	0.025916
peak_19442	chr2	16033045	16033612	38699	Intergenic	NM_001256616	sh3glb1b	4.493759878	6.405887164	-1.912127286	2.98E-05
peak_20777	chr4	2725250	2725536	90944	Intergenic	NM_213494	aebp2	3.958780025	5.87093349	-1.912153466	6.04E-05
peak_23784	chr21	1647126	1647488	-261844	Intergenic	NM_205605	wdr91	4.06002242	5.972431966	-1.912409546	0.000235
peak_16043	chr3	9036628	9037390	57132	Intergenic	NM_131836_1	sim2	6.4578565	8.370330492	-1.912473992	3.88E-06
peak_16336	chr11	43079173	43079739	-5181	Intergenic	NM_131089	her2	6.621889525	8.534437584	-1.912548059	4.70E-06
peak_24288	chr21	22477701	22478378	107450	intron (NM_199635, intron 4 of 4)	NM_199635	zbtb16a	4.865104932	6.777706358	-1.912601427	0.000292
peak_25263	chr21	16086763	16087340	27716	intron (NM_001012312, intron 18 of 19)	NM_001012312	gsna	4.695146922	6.607963992	-1.91281707	0.000427
peak_14730	chr10	43637154	43638395	25240	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	8.726361459	10.63931055	-1.912949095	1.49E-06
peak_23162	chr17	34231171	34231546	25970	intron (NM_001177444, intron 1 of 14)	NM_001177444	gphna	4.981268198	6.894258097	-1.912989899	0.000181
peak_24457	chr1	37114997	37115290	69163	exon (NM_001145788, exon 6 of 18)	NM_001145788	dclk2	3.348774912	5.26192985	-1.913154938	0.000311
peak_21007	chr21	6483268	6483840	-224650	Intergenic	NM_001003486	olfm1b	4.548447992	6.461621171	-1.913173179	6.73E-05
peak_35570	chr13	10127268	10127600	-59019	Intergenic	NM_001145616	prepl	3.215200887	5.128433217	-1.91323233	0.007787
peak_41414	chr15	1947196	1947438	66253	intron (NM_131769, intron 6 of 7)	NM_201121	sbds	0.967238845	2.880578419	-1.913339573	0.022657
peak_31253	chr10	37066196	37066451	169256	Intergenic	NM_001007431	katnal1	3.166915653	5.080334227	-1.913418574	0.00281
peak_17982	chr13	30039257	30040420	45277	Intergenic	NM_131184	pax2a	6.554789768	8.468455423	-1.913665655	1.35E-05
peak_18740	chr8	5093150	5093654	46669	Intergenic	NM_131039	es1	5.237551702	7.151258583	-1.913706882	2.04E-05
peak_20117	chr5	50466811	50467370	852	intron (NM_001001845, intron 1 of 89)	NM_001001845	gpr98	5.963368041	7.877080806	-1.913712764	4.40E-05
peak_23293	chr13	1515422	1516054	-208205	Intergenic	NM_001110400_1	hmgcll1	4.909027092	6.822744711	-1.913717619	0.00019

peak_19376	chr11	32310300	32311028	-72618	Intergenic	NM_001002595	egln1b	5.294251216	7.208051131	-1.913799915	2.89E-05
peak_16187	chr23	17489530	17490219	-35889	intron (NM_001080652, intron 2 of 7)	NM_001136250	zgc:194282	7.070220952	8.984069976	-1.913849024	4.25E-06
peak_17901	chr9	40373099	40373921	-315901	Intergenic	NM_200000	myl1	7.107770187	9.021811297	-1.91404111	1.29E-05
peak_27325	chr11	43754170	43754551	32186	intron (NM_153660, intron 1 of 12)	NM_153660	il17rd	4.071837003	5.985960754	-1.914123751	0.000868
peak_41602	chr4	20067789	20068040	-74058	Intergenic	NM_001002463	syt1a	3.162011373	5.076188558	-1.914177185	0.023316
peak_19856	chr8	50313875	50314895	257620	Intergenic	NM_001128254	mfn2	5.912702642	7.827083798	-1.914381156	3.78E-05
peak_24564	chr17	9722127	9722581	72467	Intergenic	NM_213310	egln3	4.451058288	6.365450919	-1.914392631	0.000325
peak_25747	chr19	699927	700638	-43863	Intergenic	NM_001098178	slc6a19a	4.509289748	6.423793039	-1.914503291	0.000504
peak_21496	chr3	24463636	24464559	-17351	Intergenic	NM_001003478	prr15la	7.261753944	9.176318192	-1.914564248	8.50E-05
peak_31388	chr1	30754990	30755441	87729	Intergenic	NM_178296	gli1	4.187645218	6.102255327	-1.914610108	0.002908
peak_18845	chr15	39243837	39244544	52898	intron (NM_001077577, intron 1 of 2)	NM_001077577	fat3a	5.774617197	7.689297814	-1.914680617	2.18E-05
peak_24276	chr1	18151991	18152297	-7447	Intergenic	NM_001114686	rbm47	3.727139892	5.641829098	-1.914689206	0.00029
peak_39225	chr8	243772	244124	38213	intron (NM_199992, intron 3 of 19)	NM_199992	sema6a	3.862128275	5.776904155	-1.914775879	0.015884
peak_26014	chr14	10292229	10292660	166711	intron (NM_001142584, intron 1 of 9)	NM_001142584	il1rapl2	4.164465597	6.079428571	-1.914962974	0.000552
peak_17927	chr16	47910085	47910518	-5399	Intergenic	NM_213094	gapdhs	5.488843748	7.403922365	-1.915078617	1.31E-05
peak_16974	chr21	5037770	5038542	-16009	intron (NM_131441_1, intron 1 of 9)	NM_001166255	camsap1a	6.929966386	8.845259404	-1.915293018	6.93E-06
peak_14865	chr17	34372909	34373830	19607	5' UTR (NM_194363, exon 2 of 15)	NM_194363	mpp5a	7.481965904	9.397265932	-1.915300028	1.64E-06
peak_23641	chr20	51910115	51910523	-13460	Intergenic	NM_212800	disp1	4.969386766	6.884767789	-1.915381023	0.000219
peak_35647	chr20	33601763	33602219	2691	Intergenic	NM_001044962_1	si:dkey-65b13.8	3.116958245	5.032345642	-1.915387398	0.007915
peak_19471	chr18	17670850	17671465	11102	intron (NM_001080164, intron 1 of 5)	NM_001080164	si:ch211-212o1.2	5.431802703	7.347344056	-1.915541353	3.04E-05
peak_29631	chr25	34570442	34570748	264933	Intergenic	NM_001172680	zgc:136826	3.554074368	5.469663521	-1.915589153	0.001821
peak_42821	chr3	29939384	29939713	73654	intron (NM_200641, intron 1 of 3)	NM_200641	cacng2a	3.742100794	5.657826738	-1.915725945	0.027781
peak_41293	chr2	56466308	56466658	83954	Intergenic	NM_213474	upf1	2.625495796	4.54123114	-1.915735344	0.022305
peak_37329	chr15	11903910	11905644	902	promoter-TSS (NM_001042689)	NM_001089490	fkrp	2.722150645	4.63805359	-1.915902945	0.011279
peak_32489	chr9	26835087	26835530	24693	intron (NM_001114551, intron 1 of 8)	NM_001114551	zeb2a	4.052014612	5.968121358	-1.916106746	0.003882
peak_25428	chr15	43614074	43615042	-33621	Intergenic	NM_214806	gria4a	5.931598757	7.847855322	-1.916256565	0.000453
peak_35547	chr15	42652312	42652578	-50833	Intergenic	NM_200277	naalad2	3.447031973	5.363289212	-1.916257239	0.00775
peak_23167	chr22	35212691	35213165	142650	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	4.768960068	6.685230425	-1.916270357	0.000181
peak_18391	chr7	65826121	65826670	603	intron (NM_001110485, intron 1 of 8)	NM_001110485	m1ap	5.083593445	6.999909339	-1.916315894	1.69E-05
peak_17996	chr25	13318783	13319970	-865	promoter-TSS (NM_001122702)	NM_001122702	LOC569861	6.46061968	8.376938748	-1.916319068	1.36E-05
peak_20073	chr10	18481351	18482049	-427376	Intergenic	NM_199776	ppp2r2d	5.484430647	7.4009636	-1.916532953	4.30E-05
peak_20918	chr8	45614064	45614888	2736	intron (NM_001007032, intron 1 of 44)	NM_001007032	ncor2	5.332498034	7.249121681	-1.916623646	6.45E-05
peak_18000	chr9	48202309	48202994	-311538	Intergenic	NM_001126463	igfbp5a	5.615612369	7.532252279	-1.91663991	1.37E-05
peak_34744	chr15	20572041	20572549	67981	Intergenic	NM_001040312	bco2a	4.871922404	6.788562814	-1.91664041	0.006475
peak_24114	chr5	39720327	39721026	34786	Intergenic	NM_131866	gc3	5.092035467	7.008730295	-1.916694828	0.00027
peak_20900	chr11	28493343	28493799	73638	Intergenic	NM_001024949	barx1	4.846840202	6.763582894	-1.916742692	6.41E-05
peak_26172	chr12	42639606	42640147	-489867	Intergenic	NM_212880	zgc:76887	4.324838852	6.241674729	-1.916835877	0.000584
peak_28234	chr17	31839761	31840106	38975	Intergenic	NM_213295	fam175b	3.539021661	5.455982972	-1.916961311	0.001185
peak_24651	chr15	30533141	30533716	-22757	Intergenic	NM_001089373	cuedc1b	5.78586534	7.702830051	-1.916964712	0.000337
peak_15720	chr14	53024672	53025774	-90752	Intergenic	NM_199952	ube2d2l	6.854851178	8.772120927	-1.917269749	3.10E-06
peak_18451	chr16	29425029	29426117	26740	Intergenic	NM_001104936	alg2	6.690058022	8.607328967	-1.917270945	1.74E-05
peak_42586	chr12	6774647	6775094	25503	intron (NM_001077614, intron 1 of 5)	NM_001077614	sgms1	0.625495796	2.542913397	-1.917417601	0.026795
peak_22039	chr8	29886822	29887119	138239	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	3.892054049	5.80960825	-1.917554201	0.000111
peak_33853	chr15	32698444	32698974	104882	Intergenic	NM_152974	mab21l1	4.848411939	6.766091233	-1.917679294	0.00533
peak_21337	chr17	31070261	31070969	-35534	intron (NM_001193598, intron 3 of 21)	NM_199519	evla	5.631691385	7.54941261	-1.917721225	7.87E-05
peak_17389	chr13	13090751	13091485	64509	intron (NM_131606, intron 13 of 15)	NM_131606	fgfr3	5.976736844	7.89447489	-1.917738045	9.07E-06
peak_21022	chr23	9867502	9867926	7875	intron (NM_001039171, intron 2 of 79)	NM_001039171	lama5	4.916368853	6.834178633	-1.917809781	6.79E-05
peak_25151	chr17	49978495	49978872	28944	Intergenic	NM_001017601	fcf1	3.801740793	5.719609618	-1.917868825	0.000409
peak_37424	chr18	45658192	45658520	-89729	Intergenic	NM_199925	zgc:77304	2.544684847	4.462556559	-1.917871711	0.011499
peak_21735	chr12	34335081	34335636	-20804	Intergenic	NM_130982	nog3	4.224639552	6.142551598	-1.917912046	9.57E-05
peak_15921	chr5	413381	414016	74733	Intergenic	NM_200293	ddrgk1	6.164159047	8.082075313	-1.917916266	3.55E-06
peak_43729	chr5	8412889	8413287	26295	Intergenic	NM_001246284	nipbla	3.570823028	5.489166673	-1.918343645	0.031878
peak_18578	chr13	4203769	4204268	44202	intron (NM_201102, intron 2 of 22)	NM_201102	pde10a	5.143434108	7.061790084	-1.918355976	1.86E-05
peak_23461	chr20	26467658	26468043	-17304	intron (NM_001281788, intron 1 of 3)	NM_001098184	akap12b	4.165691145	6.084058179	-1.918367034	0.000203
peak_22877	chr6	14544607	14545556	-304929	Intergenic	NM_201447	pou3f3b	6.172143822	8.090562081	-1.918418258	0.000159
peak_30059	chr11	41515999	41516551	-9989	Intergenic	NM_205591	uts2b	4.574572524	6.493108687	-1.918536163	0.002057
peak_21584	chr17	27002358	27002874	-1460	Intergenic	NM_001077775	rps6ka1	4.945242996	6.863873736	-1.91863074	8.93E-05
peak_21138	chr14	4937394	4937817	-239968	Intergenic	NM_001017822_1	zgc:110204	4.593873361	6.512515992	-1.91864263	7.17E-05
peak_36171	chr5	21551557	21551942	56410	Intergenic	NM_001126454	fam222a	3.911178131	5.829885109	-1.918706978	0.008883
peak_24105	chr25	908297	908641	9310	intron (NM_001080075_1, intron 2 of 14)	NM_001080075_1	nell2a	3.44299439	5.361851436	-1.918857046	0.000269
peak_22551	chr1	7126821	7127247	92364	Intergenic	NM_001030080	grapb	4.951692923	6.870635513	-1.91894259	0.000138
peak_25827	chr18	43629450	43629745	15351	intron (NM_001004538, intron 1 of 14)	NM_001004538	gyltl1b	4.008884304	5.927897916	-1.919013612	0.000518
peak_22471	chr12	6093500	6093950	-15866	Intergenic	NM_131322	dlx3b	4.881650491	6.800952698	-1.919302207	0.000134
peak_28232	chr16	8961343	8961717	38340	Intergenic	NM_001077532	cnot10	4.073143782	5.992449637	-1.919305855	0.001185
peak_21289	chr12	26074117	26074431	-171032	intron (NM_001080021, intron 16 of 21)	NM_001001812	fshr	4.069219889	5.988534435	-1.919314546	7.69E-05
peak_32434	chr3	14504571	14504860	131658	intron (NM_001040248, intron 3 of 10)	NM_001040248	nfixb	3.109335453	5.028670267	-1.919334815	0.003823
peak_28368	chr13	39821954	39822469	26061	intron (NM_001111187, intron 8 of 13)	NM_001111187	zgc:172136	4.883842707	6.80334502	-1.919502313	0.001235
peak_26842	chr2	39300661	39301122	-22338	intron (NM_001256642, intron 2 of 2)	NM_001039833	zgc:136870	4.219927938	6.139433883	-1.919505945	0.000738
peak_24908	chr19	15423299	15423691	-24643	Intergenic	NM_199211	ctps1a	4.357443976	6.277085561	-1.919641585	0.000374
peak_25614	chr14	25533647	25533934	28757	intron (NM_131736, intron 23 of 35)	NR_030121		3.98547888	5.905140582	-1.919661703	0.000483
peak_26314	chr2	29716883	29717728	-6428	Intergenic	NM_001039497	cnpy1	4.701125064	6.620907315	-1.919782251	0.000613
peak_19077	chr3	62226424	62227062	-48382	intron (NM_001013547, intron 6 of 7)	NM_001109768	nptx2a	5.19726529	7.117203307	-1.919938017	2.48E-05
peak_39418	chr10	30880922	30881442	9809	intron (NM_001003852, intron 1 of 9)	NM_001003852	ntm	1.205700064	3.125960493	-1.920260428	0.016366
peak_26086	chr24	19452350	19452740	-232520	Intergenic	NM_200844	zgc:66014	4.293658114	6.213923081	-1.920264967	0.000567
peak_25429	chr25	17333981	17334548	-7286	intron (NM_001089445, intron 4 of 4)	NM_001039836	tigara	4.180387832	6.100691045	-1.920303213	0.000453
peak_21913	chr18	48593574	48594002	-233762	Intergenic	NM_001045317	mob2b	4.571801766	6.492187279	-1.920385513	0.000105
peak_15047	chr18	9185520	9186496	238454	Intergenic	NM_001045084	sema3e	7.245414387	9.166025151	-1.920610764	1.88E-06
peak_41678	chr9	29890116	29890410	10592	intron (NM_001002693, intron 1 of 5)	NM_001111251	LOC100007315	3.31603542	5.236708619	-1.9206732	0.023559
peak_20528	chr20	8629974	8630683	-33279	Intergenic	NM_001040685	dab1a	5.556439486	7.477218192	-1.920778706	5.36E-05
peak_31355	chr6	43095736	43096111	69061	Intergenic	NM_001002159	trnt1	3.843780917	5.764717974	-1.920937057	0.002889
peak_19468	chr12	44426144	44426757	73892	Intergenic	NM_001034970	zgc:111868	5.08099759	7.002012546	-1.921014956	3.03E-05
peak_35858	chr17	50423227	50423628	86109	Intergenic	NM_001032728	cox7a2a	4.940280644	6.86131024	-1.921029595	0.008307
peak_26120	chr16	65123	65503	-3697	intron (NM_200627, intron 4 of 10)	NM_200627_1	cdkal1	3.275608918	5.196689782	-1.921080863	0.000573
peak_20973	chr18	14327158	14327556	47564	Intergenic	NM_001030145	uri1	4.393518857	6.314606965	-1.921088108	6.62E-05
peak_15709	chr15	37528118	37528734	23508	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	6.714400497	8.635643322	-1.921242825	3.07E-06
peak_31711	chr22	16014256	16014761	-29873	Intergenic	NM_131856	klf2a	4.017055211	5.938299064	-1.921243853	0.003181
peak_25250	chr10	17723472	17723889	-1805	Intergenic	NR_030123		3.97144973	5.892766603	-1.921316873	0.000425
peak_19633	chr6	36259499	36260128	21264	Intergenic	NM_001080682	lrrc15	6.379032319	8.300390258	-1.921357939	3.36E-05
peak_34262	chr25	33870956	33872174	13757	Intergenic	NM_001020593	lactb	4.894273656	6.815677884	-1.921404228	0.005855
peak_14893	chr3	13885319	13886334	-8970	Intergenic	NM_001197065	nfil3-2	7.431158455	9.352667541	-1.921509086	1.67E-06
peak_25974	chr14	40981569	40981964	-454206	Intergenic	NM_131782	glra4a	4.35851614	6.280080191	-1.921564051	0.000546
peak_37317	chr23	43440345	43440664	-182586	Intergenic	NM_001004647	tgm2a	3.293658114	5.215315668	-1.921657554	0.011253
peak_36329	chr14	28844691	28845249	206851	Intergenic	NM_200569	tsc22d3	3.678071896	5.599869035	-1.921797139	0.009188
peak_21244	chr24	4819976	4820478	25177	Intergenic	NM_001110021	cpb1	5.376652936	7.298593944	-1.921941008	7.54E-05
peak_21254	chr9	6750733	6751744	-48553	Intergenic	NM_131150	pou3f3a	4.772182018	6.694308756	-1.922126738	7.58E-05
peak_41504	chr10	27004928	27005284	-145127	Intergenic	NM_001017649	arfip2b	3.124540972	5.046724071	-1.922183099	0.02293
peak_37709	chr12	1371778	1372111	-82251	Intergenic	NM_001284432	sox8a	2.967238845	4.889643081	-1.922404235	0.01206
peak_37744	chr16	26301332	26301561	73363	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	2.886118348	4.808719446	-1.922601098	0.012145
peak_27574	chr13	23885248	23885674	38225	Intergenic	NM_001045279	crfb9	3.350931353	5.273639983	-1.92270863	0.00095
peak_40106	chr5	71683679	71684159	3437	exon (NM_001128529, exon 2 of 5)	NM_001128529	mepce	2.708761012	4.631495537	-1.922734525	0.018333
peak_26189	chr18	34542293	34542776	-66868	Intergenic	NM_001015066	b3gat1a	4.360658081	6.283415392	-1.922757311	0.000588
peak_22191	chr20	21469468	21469898	6327	intron (NM_131862, intron 2 of 25)	NM_131862	jag2b	4.774593768	6.697522343	-1.922928576	0.000118
peak_23085	chr16	7850686	7851224	-113382	Intergenic	NR_023328		4.977085916	6.900080998	-1.922995082	0.000175
peak_16023	chr3	12696902	12697402	26044	intron (NM_001110762, intron 2 of 2)	NM_001110762	vasnb	6.130902821	8.053941102	-1.923038282	3.84E-06
peak_16645	chr12	8886326	8887312	-32237	Intergenic	NM_001039062	med24	6.041725037	7.964793842	-1.923068804	5.73E-06

peak_18392	chr5	6565017	6566484	53300	Intergenic	NM_001013333	zgc:110796	7.138265843	9.061341051	-1.923075208	1.69E-05
peak_19177	chr10	46350273	46351219	-4746	Intergenic	NM_183074	ved	5.541356483	7.464608195	-1.923251712	2.61E-05
peak_20212	chr25	34911823	34912440	15726	intron (NM_001110167, intron 1 of 9)	NM_001110167	roraa	5.602523094	7.525872261	-1.923349167	4.62E-05
peak_16252	chr24	35614863	35615474	-132999	Intergenic	NM_001002724	zgc:92591	7.032676103	8.956106372	-1.923430269	4.42E-06
peak_20407	chr24	17737849	17739069	-67453	Intergenic	NM_001008734	commd3	5.660741649	7.584191085	-1.923449436	5.11E-05
peak_32314	chr5	19438044	19438522	-120704	Intergenic	NM_001100015	chfr	4.738762843	6.662346371	-1.923583528	0.003702
peak_41998	chr16	27880593	27880854	22402	exon (NM_198814, exon 3 of 4)	NM_213444	derl1	2.871171366	4.794756221	-1.923584855	0.024667
peak_25499	chr17	53019016	53019836	30853	Intergenic	NM_001128292	prox2	5.418438711	7.34207514	-1.923636429	0.000463
peak_37356	chr18	24652404	24652898	-50658	Intergenic	NM_001045011	rgma	5.20082147	7.124480713	-1.923659244	0.011332
peak_19812	chr10	132376	132805	-1584	intron (NM_131836, intron 3 of 5)	NM_001102623	zgc:171929	4.903895528	6.827710054	-1.923814526	3.68E-05
peak_16425	chr7	75879235	75880077	157020	Intergenic	NM_001077468	mrpl21	6.321220813	8.245307564	-1.924086751	5.00E-06
peak_40927	chr16	7488702	7489075	-30109	Intergenic	NM_131059	ctnnb1	3.950188338	5.874322502	-1.924134164	0.021063
peak_22903	chr23	12311416	12311876	44437	Intergenic	NM_001110412	ppp1r3da	4.655516986	6.579719892	-1.924202906	0.000162
peak_25295	chr24	23602835	23603336	235679	Intergenic	NM_001199998	si:dkey-7n6.2	4.627276095	6.551595654	-1.924319559	0.000431
peak_19540	chr7	12752409	12753017	131880	Intergenic	NM_001080993	mex3b	5.487374214	7.412027235	-1.924653022	3.17E-05
peak_18435	chr17	41680424	41681479	101293	Intergenic	NM_199658	insm1b	6.204771368	8.129605682	-1.924834314	1.72E-05
peak_17784	chr17	17829529	17830572	-32002	intron (NM_001045384, intron 1 of 6)	NM_200054	setd3	6.028630606	7.953645248	-1.925014642	1.20E-05
peak_26095	chr6	36649671	36650196	93699	Intergenic	NM_001007298	opa1	3.911263383	5.83656035	-1.925296967	0.000568
peak_23656	chr18	49514975	49515675	-18339	Intergenic	NM_001004609	ccnb1l	5.815470013	7.740856497	-1.925386484	0.000221
peak_18097	chr2	34195717	34196665	-340189	Intergenic	NM_001003878	cenpl	5.497658046	7.423048984	-1.925390938	1.44E-05
peak_22504	chr7	42514899	42515573	-260519	Intergenic	NM_199843	shcbp1	6.08424168	8.009831688	-1.925590009	0.000135
peak_24881	chr7	66553171	66553562	222827	Intergenic	NM_001077722	tpcn2	4.433868301	6.359517572	-1.925649271	0.000372
peak_43060	chr17	46295382	46295741	319892	Intergenic	NR_029933		3.896489853	5.822164789	-1.925674937	0.028861
peak_19256	chr22	33543181	33543760	119571	Intergenic	NM_001040377	zgc:136895	5.058703696	6.984434962	-1.925731266	2.71E-05
peak_22094	chr5	51873393	51873768	-52033	Intergenic	NM_200418	fam172a	4.188851241	6.114588315	-1.925737074	0.000113
peak_16560	chr20	28948587	28949587	8722	intron (NM_001044755, intron 2 of 6)	NM_001044755	si:dkey-11e23.5	5.948115499	7.873869517	-1.925754018	5.46E-06
peak_20467	chr11	21172310	21173234	-175211	intron (NM_131086, intron 11 of 16)	NM_001002230	tuba7l	6.819002087	8.744790053	-1.925787966	5.22E-05
peak_25342	chr2	44947433	44948168	59797	Intergenic	NM_001145089	camk2n1a	4.377680074	6.303582559	-1.925902484	0.000439
peak_20737	chr2	35515899	35516495	-58878	Intergenic	NM_001201444	dhx9	6.154932134	8.080848979	-1.925916845	5.95E-05
peak_19392	chr16	35790093	35791005	-116228	Intergenic	NM_131161	pou3f1	5.530932828	7.456874199	-1.925941371	2.92E-05
peak_17669	chr15	24012666	24013420	15462	intron (NM_212805, intron 2 of 10)	NM_212805	smtnl	5.176709942	7.102780492	-1.926070551	1.10E-05
peak_27088	chr12	26080661	26081064	-164444	intron (NM_001080021, intron 16 of 21)	NM_001001812	fshr	4.252657886	6.178987103	-1.926329217	0.000801
peak_21044	chr16	42527591	42528205	-2261	Intergenic	NM_001076716	rbms3	5.092035467	7.01837658	-1.926341113	6.86E-05
peak_24720	chr24	10062530	10062796	-41190	Intergenic	NM_213142	otulina	3.154623552	5.080993001	-1.926369449	0.000347
peak_19224	chr7	62782802	62783567	60032	intron (NM_001083551, intron 1 of 10)	NM_001083551	rbpjb	6.571339455	8.497850951	-1.926511496	2.67E-05
peak_26586	chr21	14272725	14273091	18014	Intergenic	NM_001003568	mzt2b	3.947423891	5.874084321	-1.926660431	0.000671
peak_28834	chr19	24393344	24393711	10257	intron (NM_199546, intron 4 of 5)	NM_199546	chtopa	3.641439946	5.568591181	-1.927151235	0.001432
peak_31101	chr7	68093308	68094070	-115259	Intergenic	NM_178300	arntl1b	4.868915902	6.796083668	-1.927167767	0.002686
peak_32919	chr14	28636424	28637004	415107	Intergenic	NM_200569	tsc22d3	4.903938371	6.831255313	-1.927316942	0.004308
peak_15530	chr3	46925839	46927798	-71206	Intergenic	NM_131449	elavl3	8.892764233	10.82009159	-1.927327361	2.68E-06
peak_28955	chr10	12673522	12673896	406418	Intergenic	NM_001114892	musk	3.224639552	5.152080803	-1.927441251	0.00149
peak_22201	chr12	25021775	25022233	175430	Intergenic	NM_131784	bambia	5.51461782	7.442186721	-1.927568901	0.000119
peak_42134	chr6	19238085	19238472	26326	intron (NM_001017556, intron 2 of 8)	NM_001017556	rhbdl3	3.365936857	5.293622641	-1.927685785	0.025122
peak_22562	chr7	32538705	32539254	-169950	Intergenic	NM_001089326	ctdspl2b	4.674632506	6.602426542	-1.927794036	0.000139
peak_19535	chr9	14914012	14914574	-133227	Intergenic	NM_212966	nrp2b	6.195766376	8.123600657	-1.927834281	3.16E-05
peak_20872	chr3	22034947	22036061	-213670	Intergenic	NM_201449	cdc27	4.790616223	6.718637945	-1.928021722	6.30E-05
peak_30822	chr25	16658230	16658622	-10890	intron (NM_001271913, intron 26 of 28)	NM_001002872	parvaa	4.512239285	6.440305832	-1.928066546	0.002509
peak_24865	chr17	24070564	24070955	-76166	Intergenic	NM_131250	otx1b	3.997917271	5.926127377	-1.928210106	0.00037
peak_39508	chr24	13022157	13022690	100631	exon (NM_200925, exon 11 of 15)	NM_200925	stau2	4.89052917	6.818942034	-1.928412864	0.016651
peak_15321	chr7	54702374	54703125	-54257	Intergenic	NM_131291	fgf3	6.929605724	8.858046107	-1.928440383	2.31E-06
peak_17502	chr25	30498464	30499027	-45254	Intergenic	NM_212987	ube2q2	5.773411846	7.701902437	-1.928490591	9.79E-06
peak_32345	chr17	20134144	20134837	-16807	Intergenic	NM_001202527	add3b	4.84531137	6.773843383	-1.928532012	0.003734
peak_31922	chr10	24745857	24746229	76869	Intergenic	NM_001008585	slc43a2b	3.671184896	5.599839987	-1.928655091	0.003366
peak_17393	chr10	14790149	14790819	167749	Intergenic	NM_131366	smad2	6.37451917	8.303206093	-1.928686923	9.08E-06
peak_17629	chr19	13207245	13207841	62991	Intergenic	NM_001044994	si:ch211-105d11.	5.159552967	7.088393633	-1.928840666	1.08E-05
peak_25077	chr8	11279915	11280378	101361	Intergenic	NM_001083016	fxn	4.354222696	6.283075847	-1.928853152	0.000399
peak_43868	chr11	21430929	21431270	-52816	Intergenic	NM_001281799	tacr1b	0.653720264	2.582598103	-1.928877839	0.032416
peak_15526	chr24	34818558	34819493	122265	Intergenic	NM_001008621	zgc:101800	7.019827899	8.948754607	-1.928926707	2.68E-06
peak_33125	chr10	37087904	37088318	147468	Intergenic	NM_001007431	katnal1	3.84071513	5.769822634	-1.929107504	0.004534
peak_17077	chr10	32494222	32495020	-41425	Intergenic	NM_131482	robo3	5.880136348	7.809275075	-1.929138727	7.37E-06
peak_24548	chr22	27301609	27302313	-64164	Intergenic	NM_001244080	capn8	5.780605561	7.709960789	-1.929355228	0.000323
peak_14493	chr6	47382211	47384029	-25796	Intergenic	NR_030036		8.271392022	10.2008067	-1.929414678	1.26E-06
peak_20182	chr7	47920044	47922024	291441	Intergenic	NM_130995	ccne1	6.852200594	8.781647384	-1.92944679	4.55E-05
peak_22423	chr13	21048393	21049051	-369266	Intergenic	NM_001144786	si:ch1073-126c3.	4.748610487	6.678113873	-1.929503386	0.000131
peak_28645	chr4	8486673	8487226	-51942	Intergenic	NM_200145	zgc:55888	4.759203456	6.68876742	-1.929563965	0.001348
peak_29907	chr23	44215696	44215960	-36059	Intergenic	NM_213374	zgc:56304	3.17667448	5.10655291	-1.92987843	0.001971
peak_39476	chr19	36829838	36830158	79906	Intergenic	NM_001020633	ndufs5	3.137236739	5.067214832	-1.929978093	0.016521
peak_20165	chr1	22564535	22565304	5920	intron (NM_131735, intron 3 of 35)	NM_131735	slit2	5.889481821	7.819479208	-1.929997387	4.51E-05
peak_21367	chr1	51987759	51988456	116	5' UTR (NM_131897, exon 1 of 13)	NM_131897	meis4.1a	5.598418383	7.528558413	-1.93014003	8.00E-05
peak_42209	chr19	48348931	48349152	21188	exon (NM_001045310, exon 2 of 7)	NM_001045310	zgc:136572	1.938847741	3.86899494	-1.9301472	0.025356
peak_35288	chr20	17886591	17886915	100732	Intergenic	NM_131081	cdh2	2.455073397	4.385347417	-1.93027402	0.007308
peak_21171	chr8	27465827	27466884	-4153	Intergenic	NM_001128346	si:ch211-106g4.2	6.449298158	8.379620029	-1.930321871	7.33E-05
peak_22898	chr4	14901056	14901589	-132553	Intergenic	NM_001044894	si:dkey-117n7.5	4.130902821	6.061258184	-1.930355363	0.000161
peak_17892	chr9	44837903	44838545	-32969	Intergenic	NM_200921	ube2e3	5.542799588	7.473263287	-1.930463699	1.28E-05
peak_43867	chr5	31886264	31886631	68420	Intergenic	NM_001126429	adamts15a	3.763304282	5.693827575	-1.930523293	0.032412
peak_21942	chr22	39165580	39166550	248420	Intergenic	NM_001017600	polr2h	5.478525434	7.4093024	-1.930776966	0.000106
peak_27747	chr5	26082302	26082934	-79999	Intergenic	NM_131822	znf703	4.657260644	6.588050691	-1.930790047	0.001012
peak_18818	chr10	13654563	13655358	81677	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	4.642320587	6.57319248	-1.930871893	2.15E-05
peak_21411	chr8	4457621	4458274	-85374	Intergenic	NM_001040045	myl2b	5.758032554	7.68912617	-1.931093616	8.18E-05
peak_22120	chr16	46309899	46310323	48585	intron (NM_001114444_1, intron 8 of 10)	NM_001024441	psma2	4.057383766	5.988989385	-1.931605619	0.000115
peak_30620	chr8	13523168	13523562	3597	exon (NM_001077294, exon 3 of 13)	NM_001077294	dennd2da	4.31265569	6.244348925	-1.931693235	0.00238
peak_20636	chr15	44235699	44236746	32685	Intergenic	NM_200546	psmd2	6.919993995	8.85172398	-1.931729985	5.68E-05
peak_28305	chr1	54521376	54521942	8946	Intergenic	NM_001017750	acta1a	4.180387832	6.112140444	-1.931752612	0.001212
peak_19173	chr2	10053426	10054151	-18184	Intergenic	NM_200576	gadd45aa	6.142171338	8.073984785	-1.931813446	2.60E-05
peak_37677	chr5	24668745	24669069	-16943	Intergenic	NM_001014351	zgc:110800	2.725478726	4.657381777	-1.931903051	0.011992
peak_15618	chr16	49292668	49294222	23249	Intergenic	NM_001003557	bola1	8.4695931	10.40166251	-1.932069413	2.84E-06
peak_20213	chr8	12774625	12775284	139325	Intergenic	NM_001024214	endog	5.587943346	7.520032493	-1.932089147	4.62E-05
peak_24316	chr20	45121412	45121926	417845	Intergenic	NM_001013534	zgc:103511	5.193665276	7.125845351	-1.932180074	0.000295
peak_27680	chr17	17802319	17802768	17327	intron (NM_001045384, intron 1 of 6)	NM_001045384	ccdc85ca	4.775443622	6.707671998	-1.932228376	0.000983
peak_20895	chr1	38689493	38690172	80994	Intergenic	NM_001040307	fbxo8	5.339030839	7.271353507	-1.932322668	6.39E-05
peak_28115	chr25	33761423	33761707	23456	intron (NM_198909, intron 9 of 11)	NM_198909	etfa	3.59113946	5.52348565	-1.93234619	0.001146
peak_20072	chr15	38145790	38146517	67500	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	5.880136348	7.81259295	-1.932456602	4.30E-05
peak_31134	chr8	15015967	15016270	-14735	Intergenic	NM_001122973	lhx4	3.353084575	5.285640751	-1.932556175	0.00271
peak_16400	chr6	4772852	4773446	340949	Intergenic	NM_201285	pou4f1	6.272182815	8.20487313	-1.932690315	4.91E-06
peak_20351	chr8	3492767	3494416	17019	intron (NM_001039834, intron 2 of 2)	NM_001039834	zgc:136963	6.642786378	8.575587775	-1.932801397	4.95E-05
peak_18092	chr15	40540925	40541981	199853	Intergenic	NM_001002430	pxylp1	7.077248348	9.010071132	-1.932822784	1.44E-05
peak_32170	chr11	42123708	42123970	-599	promoter-TSS (NM_213313)	NM_213313	fam213b	3.636144784	5.569191109	-1.933046325	0.003564
peak_25104	chr5	74194453	74194999	253887	Intergenic	NM_001017876_1	fsip1	4.796957255	6.730167813	-1.933210558	0.000403
peak_24024	chr7	66435860	66436516	105649	Intergenic	NM_001077722	tpcn2	4.612020614	6.545251318	-1.933230704	0.000259
peak_35073	chr2	16070407	16070698	75923	Intergenic	NM_001256616	sh3glb1b	2.886118348	4.819369238	-1.93325089	0.006992
peak_25376	chr2	56121296	56121705	-5008	Intergenic	NM_001171591	cplx4c	3.224639552	5.158002613	-1.933363062	0.000444
peak_24161	chr14	17719569	17719917	7255	Intergenic	NM_001159841	LOC100149406	3.837642815	5.771021441	-1.933378626	0.000276
peak_39533	chr1	52892366	52893029	33165	Intergenic	NM_001128803	zgc:194101	2.096540606	4.029958972	-1.933418366	0.016706
peak_39778	chr23	32819753	32820294	188902	Intergenic	NM_200286	taf8	3.368192036	5.301668611	-1.933476575	0.017335
peak_19032	chr6	44202926	44203734	74681	intron (NM_001256392, intron 3 of 9)	NM_001110371	ppp4r2b	5.241625209	7.175170423	-1.933545214	2.43E-05

peak_21939	chr7	74062050	74062728	127835	Intergenic	NM_001006020_1	ccdc149a	5.274440172	7.208004992	-1.93356482	0.000106
peak_27120	chr5	50057863	50058296	-15143	Intergenic	NM_001130962	mef2cb	4.83451899	6.768243099	-1.933724109	0.00081
peak_21102	chr7	17803698	17804186	-696	promoter-TSS (NM_131158)	NM_131158	dbx1a	4.801740793	6.735490649	-1.933749855	7.04E-05
peak_20036	chr19	8993882	8994324	-110235	Intergenic	NM_200597	efna1a	4.251504061	6.185273762	-1.933769702	4.22E-05
peak_24023	chr17	46279996	46280400	304529	Intergenic	NR_029933		4.450052762	6.383916864	-1.933864102	0.000259
peak_29740	chr23	43053674	43054023	3739	intron (NM_001020501, intron 1 of 2)	NM_001020501	gpx7	3.514108747	5.447992263	-1.933883515	0.001885
peak_21822	chr16	5359475	5360229	115963	Intergenic	NM_201200	ppp1r8b	6.157072391	8.091152662	-1.93408027	1.00E-04
peak_33612	chr5	15970552	15970881	-27932	Intergenic	NM_001171697	npffr1l2	3.589313976	5.523437845	-1.93412387	0.005038
peak_34884	chr10	24112460	24112764	227696	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	2.621928594	4.556147137	-1.934218543	0.006696
peak_26427	chr5	73011081	73011472	30544	Intergenic	NM_001205027	dnajc25	3.684926177	5.619213872	-1.934287695	0.000636
peak_22579	chr17	18004535	18005102	56694	Intergenic	NM_001099260	bcl11ba	4.163239007	6.097575831	-1.934336824	0.00014
peak_20307	chr17	39614994	39615683	205265	Intergenic	NM_001114717_1		5.179746013	7.114302461	-1.934556449	4.84E-05
peak_18054	chr1	51980294	51980867	-7411	Intergenic	NM_131897	meis4.1a	6.136538966	8.071119907	-1.934580941	1.41E-05
peak_22982	chr9	6004299	6004809	101756	Intergenic	NM_001128670	pdzk1	4.798584256	6.733206932	-1.934622676	0.000168
peak_15113	chr10	43993348	43995346	39515	intron (NM_001161732, intron 2 of 17)	NM_001161732	fgfr1b	7.860649458	9.795326833	-1.934677376	1.96E-06
peak_22401	chr12	46729141	46729842	98247	Intergenic	NM_131640	pax2b	5.12394738	7.058708058	-1.934760678	0.00013
peak_41258	chr16	57875331	57875624	24568	Intergenic	NM_201289	pklr	1.44299439	3.377758068	-1.934763678	0.022207
peak_20835	chr5	41656640	41657134	37474	Intergenic	NM_001100075	tmem175	4.248037038	6.182863226	-1.934826188	6.22E-05
peak_32501	chr9	34546816	34547332	-36178	Intergenic	NM_152941	caska	4.154623552	6.089688596	-1.935065044	0.003894
peak_32377	chr1	46535741	46536380	106933	Intergenic	NM_001008624	arhgef7b	6.49308312	4.557867589	-1.935215531	0.003763
peak_38835	chr5	24302206	24302477	8381	intron (NM_001202511, intron 9 of 9)	NM_001202510	rpl36a	3.475098368	5.410431795	-1.935333428	0.014837
peak_38916	chr15	37626242	37626571	121488	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	3.657311474	5.592676223	-1.935364749	0.015028
peak_19791	chr11	39582115	39582679	-86884	Intergenic	NM_200531	mfsd4a	5.415380979	7.351092722	-1.935711743	3.63E-05
peak_20292	chr23	2992660	2993311	67420	Intergenic	NM_001089467	zgc:158828	4.547508126	6.483276576	-1.93576845	4.81E-05
peak_23115	chr11	42500358	42501317	-1147	Intergenic	NM_131332_1	pax7a	5.898745647	7.834542469	-1.935796822	0.000178
peak_38981	chr4	1428989	1429213	-30254	Intergenic	NM_001045104	slc38a2	2.081035483	4.016839434	-1.93580395	0.015228
peak_43178	chr16	31493534	31493882	11666	TTS (NM_200071)	NM_200071	rhbg	3.612971808	5.549048694	-1.936076886	0.029429
peak_27285	chr9	41733528	41734042	114065	Intergenic	NM_001128564	vwc2l	4.557867589	6.49416435	-1.936296762	0.000856
peak_33599	chr7	10096762	10097087	7692	intron (NM_001045334, intron 3 of 5)	NM_001045334	vimp	2.909716015	4.846362464	-1.93664645	0.005023
peak_36477	chr3	61776287	61776706	-4859	Intergenic	NM_182937	pvalb8	3.046703014	4.983410399	-1.936707385	0.0095
peak_31420	chr14	14900676	14901155	-116	promoter-TSS (NM_001014818)	NM_001014818	phox2bb	2.215200887	4.152224068	-1.937023181	0.002926
peak_26353	chr22	38434345	38434679	42867	Intergenic	NM_001113587	hykk.2	3.73706692	5.674191053	-1.937124133	0.000621
peak_21612	chr20	48569611	48570180	-51843	Intergenic	NM_001105276	hadhaa	4.712071154	6.649351496	-1.937280343	9.06E-05
peak_35857	chr5	39236902	39237175	-12360	Intergenic	NM_001099989	LOC558044	3.318241319	5.255578894	-1.937337575	0.008307
peak_18620	chr3	4051339	4052239	-70348	Intergenic	NM_001201405	si:dkey-46g23.5	5.872651162	7.810002028	-1.937350867	1.91E-05
peak_25173	chr10	28129226	28129684	397842	Intergenic	NM_152948	cxadr	3.922906591	5.860301618	-1.937395027	0.000413
peak_24717	chr5	65465287	65465572	65574	Intergenic	NM_001110103	aspa	3.837642815	5.775066319	-1.937423504	0.000347
peak_33491	chr7	26394665	26395206	92105	intron (NM_001076730, intron 15 of 21)	NM_001076730	exoc6b	4.152152513	6.089639432	-1.937486919	0.004908
peak_15860	chr9	49402098	49403581	367	intron (NM_001194987, intron 1 of 80)	NM_001194987	lrp2a	8.463421698	10.40110982	-1.937688119	3.42E-06
peak_28473	chr1	50190878	50191231	31688	Intergenic	NM_001077289	tsga10	3.738714804	5.676475524	-1.93776072	0.001277
peak_32163	chr12	9625305	9625633	48529	exon (NM_200161, exon 6 of 8)	NM_200161	reep3b	4.234085025	6.171877372	-1.937792347	0.003557
peak_22485	chr21	8775512	8776035	41153	intron (NM_001089543, intron 2 of 45)	NM_001089543	ptpn13	5.020485663	6.958300141	-1.937814478	0.000134
peak_16803	chr10	45386580	45388036	78860	Intergenic	NM_001003782	sept5b	8.829694909	10.76756438	-1.937869472	6.32E-06
peak_30590	chr1	53295343	53295766	7343	exon (NM_001081629, exon 11 of 24)	NM_001081629	smarca5	3.238682765	5.176930361	-1.938247596	0.00236
peak_24868	chr23	33464310	33464768	-39405	Intergenic	NR_029935		4.231678245	6.169943469	-1.938265223	0.00037
peak_27963	chr18	15452135	15452579	-1727	Intergenic	NM_001045007	si:ch211-219a15.	4.122091483	6.060471963	-1.93838048	0.001091
peak_27788	chr16	18383720	18384321	-95374	Intergenic	NM_001290140	zgc:56148	5.72962806	7.668155233	-1.938527172	0.001026
peak_20933	chr17	53029917	53030361	20140	intron (NM_001128292, intron 3 of 4)	NM_001128292	prox2	4.64320069	6.581952985	-1.938752295	6.50E-05
peak_33240	chr13	46935718	46936148	104684	intron (NM_178303, intron 11 of 17)	NM_001243004	fgfr2	4.358453614	6.29722184	-1.938768226	0.004641
peak_23332	chr16	52218053	52218471	170634	Intergenic	NM_001110524	brd2b	3.812734601	5.751567914	-1.938833313	0.000193
peak_15211	chr22	35108652	35109619	67534	intron (NM_213117_1, intron 12 of 14)	NM_001114590	rbm15b	7.229059857	9.168029427	-1.938969571	2.11E-06
peak_21101	chr2	35484813	35485573	36327	Intergenic	NM_001020770	ankrd45	5.424654253	7.36369753	-1.939043278	7.04E-05
peak_37092	chr1	50285851	50286439	-35489	Intergenic	NM_131426	lef1	4.515126713	6.454183294	-1.939056581	0.010757
peak_41071	chr23	3287704	3288396	135505	Intergenic	NM_131015	mafba	3.934540472	5.873690652	-1.93915018	0.021601
peak_34731	chr7	37197587	37198007	-32854	Intergenic	NM_001045227	irx5a	3.883141315	5.822310604	-1.93916929	0.006463
peak_28289	chr13	44457797	44458250	189082	Intergenic	NM_001160346	zfyve21	3.804890439	5.744194795	-1.939304356	0.001204
peak_20939	chr18	2606935	2607834	21807	intron (NM_001244879, intron 1 of 7)	NM_001045470	fam168a	6.498387781	8.438039532	-1.93965175	6.51E-05
peak_22093	chr13	5822666	5823337	-43273	Intergenic	NM_201488	ppm1g	4.621876502	6.561566419	-1.939689918	0.000113
peak_32706	chr15	40205757	40206356	-2470	Intergenic	NM_001003474	spsb4b	3.988252249	5.928063339	-1.93981109	0.004092
peak_18192	chr7	40553879	40554560	-4343	Intergenic	NM_131070	mdka	6.79262393	8.732467626	-1.939843695	1.52E-05
peak_20278	chr1	45902711	45903241	80393	intron (NM_001128337, intron 5 of 14)	NM_001145709	si:ch211-243a20.	4.609320918	6.549228584	-1.939907666	4.77E-05
peak_20805	chr5	68165136	68165730	-76669	Intergenic	NM_131153	rxrab	5.452063113	7.392021465	-1.939958352	6.13E-05
peak_38229	chr5	24373863	24374152	10705	Intergenic	NM_001013283	tnfsf10l4	3.533336158	5.47342921	-1.940093052	0.013342
peak_18198	chr11	147672	148690	13893	Intergenic	NM_001200058_1	LOC100006857	7.233303503	9.173422576	-1.940119073	1.52E-05
peak_21065	chr8	386469	387183	34472	Intergenic	NM_200136	hsd17b4	4.792204096	6.732427361	-1.940223265	6.92E-05
peak_19348	chr2	55053436	55054109	74114	Intergenic	NM_001020630	rab12	5.603879949	7.544380693	-1.940500744	2.85E-05
peak_20776	chr21	6570477	6570856	-137538	Intergenic	NM_001003486	olfm1b	4.812734601	6.75340438	-1.940669779	6.04E-05
peak_19486	chr20	21395572	21396042	54617	intron (NM_001044888, intron 2 of 4)	NM_001044888	nudt14	4.708711963	6.64943378	-1.940721816	3.06E-05
peak_24494	chr19	48548570	48549292	48569	Intergenic	NM_001012369	ext1b	5.109372609	7.05070042	-1.941327811	0.000315
peak_36540	chr11	16370047	16370595	35868	intron (NM_001033727, intron 3 of 6)	NM_001113630	zgc:173544	2.570823028	4.51244284	-1.941619812	0.009632
peak_20466	chr6	31558958	31559406	158188	Intergenic	NM_201025	pgm1	5.398739775	7.340377725	-1.94163795	5.21E-05
peak_22325	chr15	38325292	38325774	-111880	Intergenic	NM_131633	robo2	4.125874362	6.067556491	-1.941682129	0.000126
peak_24628	chr6	33554710	33554977	21463	Intergenic	NM_001287082	tmem69	3.393518857	5.335272256	-1.941753399	0.000334
peak_17807	chr11	36390963	36391565	186030	Intergenic	NM_200450	camkvb	5.47602896	7.41785079	-1.94182183	1.21E-05
peak_20116	chr8	34797996	34798581	108018	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	5.142811937	7.084655898	-1.941843961	4.40E-05
peak_23946	chr21	31787756	31788332	68901	Intergenic	NR_120380		4.170582953	6.112517991	-1.941935038	0.000251
peak_30043	chr10	13521139	13521627	-160900	intron (NM_001098242, intron 3 of 8)	NM_001099446	LOC556326	4.243333623	6.185305409	-1.941971787	0.002049
peak_16587	chr1	51975876	51977362	-11372	Intergenic	NM_131897	meis4.1a	7.679895743	9.621997889	-1.942102146	5.55E-06
peak_31127	chr20	46518413	46519093	-1300	Intergenic	NM_001082914	taar14e	4.179174711	6.121340723	-1.942166013	0.002701
peak_35248	chr18	20812854	20813093	14531	intron (NM_152968, intron 1 of 20)	NM_152968	igf1ra	3.224639552	5.166960192	-1.94232064	0.007264
peak_42699	chr6	36521634	36521996	-190530	Intergenic	NM_131079	her6	1.967238845	3.909643972	-1.942405127	0.027283
peak_17983	chr20	41057749	41058247	257002	Intergenic	NM_001100023	si:dkey-233p4.1	5.494735408	7.437260912	-1.942525504	1.35E-05
peak_25453	chr2	25610285	25611161	84096	intron (NM_001159832, intron 5 of 24)	NM_001159832	fndc3ba	4.939522573	6.882134043	-1.94261147	0.000458
peak_21165	chr3	10408884	10409322	-126459	intron (NR_105067, intron 4 of 5)	NM_194373	cbx2	4.394564553	6.337353421	-1.942788868	7.28E-05
peak_25375	chr22	15221167	15221504	204886	Intergenic	NM_001007788	mfng	3.681503107	5.624339856	-1.942836749	0.000444
peak_29240	chr25	30111829	30112324	-33627	Intergenic	NM_001003488	pkmb	3.147197703	5.090171196	-1.942973492	0.001632
peak_23821	chr22	18471563	18472032	-6335	Intergenic	NM_001044317	tmem161a	3.776199364	5.719173362	-1.942973998	0.000239
peak_35241	chr1	41000048	41000339	648	exon (NM_001077541, exon 2 of 15)	NM_001077541	clgn	3.320443851	5.263423374	-1.942979523	0.007248
peak_29467	chr14	30344332	30344653	-300539	Intergenic	NM_001045414	zgc:153146	3.646715745	5.589899421	-1.943183677	0.001739
peak_37444	chr17	44838398	44838668	-161663	Intergenic	NM_001159836	LOC100000800	3.745287581	5.688606588	-1.943319006	0.01154
peak_19690	chr9	19163292	19163870	189600	Intergenic	NM_212745	tsc22d1	5.538521129	7.481857238	-1.943336109	3.45E-05
peak_16538	chr21	5407988	5408659	-122	promoter-TSS (NM_001037574)	NM_001037574	zgc:122979	7.175341623	9.11896076	-1.943619138	5.38E-06
peak_24959	chr8	10166624	10167090	-51647	Intergenic	NM_001098489	plxna3	5.073181882	7.017061144	-1.943879262	0.000381
peak_22173	chr21	19356752	19357294	132257	Intergenic	NM_001006022	zgc:103482	5.206856367	7.150773834	-1.943917468	0.000117
peak_18241	chr5	23321485	23322152	250263	Intergenic	NM_001114691	sh2d1aa	4.94238562	6.886457844	-1.944072224	1.56E-05
peak_20883	chr7	34163033	34164226	4034	intron (NM_001005398, intron 3 of 10)	NM_001005398	slc17a6b	5.874129441	7.818208414	-1.944078973	6.34E-05
peak_24360	chr10	35681232	35681883	-31733	Intergenic	NM_001013500	nbeaa	4.503485619	6.447644006	-1.944158387	0.0003
peak_18904	chr10	39505290	39505810	-66640	Intergenic	NR_030051		5.940217979	7.884693574	-1.944475595	2.24E-05
peak_24630	chr6	55614562	55615028	-8820	Intergenic	NM_001003519	pltp	3.800163388	5.744863095	-1.944699707	0.000334
peak_42743	chr5	28169872	28170250	-32259	Intergenic	NM_001128534	arvcfb	3.934540472	5.879463796	-1.944923324	0.027441
peak_37192	chr7	22169773	22170000	34985	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	2.986785331	4.931768478	-1.944983147	0.010995
peak_21875	chr1	6628214	6628673	61763	Intergenic	NM_001102569	radil	5.17244868	7.117452362	-1.945003682	0.000103
peak_31591	chr3	56708653	56709029	91734	Intergenic	NM_131561	axin2	3.171803318	5.116938398	-1.94513508	0.003077
peak_22713	chr7	29131946	29132423	172186	Intergenic	NM_001017815	rras2	4.219927938	6.165110169	-1.94518223	0.000148
peak_19107	chr23	1205309	1206219	-48988	Intergenic	NM_001281802	psmb11b	5.734615648	7.679830459	-1.945214811	2.52E-05

peak_35266	chr5	2428553	2428857	19688	Intergenic	NM_001114407	ca4a	2.708761012	4.654057124	-1.945296112	0.007283
peak_40308	chr8	22747292	22747797	-137256	Intergenic	NM_194404	dffb	3.259628487	5.204959448	-1.94533096	0.01896
peak_32058	chr11	4912667	4913148	-88231	Intergenic	NM_001077310		4.464066744	6.409435737	-1.945368993	0.003478
peak_40282	chr15	9503254	9503842	34720	Intergenic	NM_001003748_1	sgcg	2.363802745	4.309179837	-1.945377092	0.018887
peak_31876	chr20	23967303	23967683	24628	Intergenic	NM_212819	cx52.6	4.238682765	6.184064033	-1.945381268	0.003332
peak_20817	chr2	26333077	26333519	6032	intron (NM_001171028, intron 1 of 7)	NM_001171028	lppr3a	5.209829719	7.155490006	-1.945660287	6.15E-05
peak_18602	chr22	2232149	2232754	29341	intron (NM_001005595_1, intron 7 of 8)	NM_001005595_1	impact	5.148401839	7.094137643	-1.945735805	1.89E-05
peak_14133	chr23	44537439	44538962	-16830	Intergenic	NM_200759	eif4e2rs1	8.693045257	10.63908347	-1.946038218	9.37E-07
peak_25682	chr13	6693215	6693814	33781	Intergenic	NM_205675	pitx3	4.118298658	6.064432269	-1.946133611	0.000493
peak_17386	chr5	51165849	51167048	-354728	Intergenic	NM_001201438	si:dkey-172m14.1	6.339030839	8.28531158	-1.946280742	9.06E-06
peak_22532	chr10	29768117	29768694	-110771	Intergenic	NM_200927	picalma	5.295371368	7.241687663	-1.946316296	0.000137
peak_36618	chr7	62398785	62399084	38230	intron (NM_213147_1, intron 14 of 14)	NM_213147_1	acox3	1.938847741	3.885204259	-1.946356518	0.009769
peak_20426	chr19	29592536	29593085	184402	Intergenic	NM_001080628	zgc:158604	4.811952101	6.758504295	-1.946552193	5.13E-05
peak_31363	chr25	31780507	31781039	254036	Intergenic	NR_030401		4.620089523	6.566671404	-1.94658188	0.002892
peak_36808	chr8	9760523	9760908	242457	Intergenic	NM_200092	bcap31	3.361665472	5.308261049	-1.946595578	0.010129
peak_24562	chr15	26560652	26561230	-152345	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	4.360658081	6.307354948	-1.946696867	0.000325
peak_26768	chr16	43228561	43229087	2169	intron (NM_001080036, intron 1 of 3)	NM_001080036	tp53inp1	5.261855416	7.208700843	-1.946845427	0.000721
peak_19298	chr13	53014656	53015835	27147	Intergenic	NM_001135784	nkx6.2	6.945064576	8.891935748	-1.946871173	2.78E-05
peak_20920	chr6	18224931	18225644	10852	intron (NM_200375, intron 4 of 7)	NM_200375	stx8	5.486393692	7.433269657	-1.946875965	6.45E-05
peak_17406	chr25	25069649	25070454	96464	Intergenic	NM_001013512	tmem86a	5.669864721	7.617113042	-1.947248321	9.17E-06
peak_28512	chr11	16880497	16880837	-78713	Intergenic	NM_001110030	kbtbd8	3.432850718	5.380116004	-1.947265286	0.001295
peak_33001	chr16	14527894	14528271	33225	Intergenic	NM_001079953	isoc2	3.046703014	4.994104344	-1.94740133	0.0044
peak_43726	chr9	45933230	45933667	31438	Intergenic	NM_001083547	dnajc10	4.104305698	6.051782676	-1.947476978	0.031861
peak_14319	chr19	39171399	39173213	3067	intron (NM_001122760, intron 1 of 26)	NM_001122760	thsd7a	8.509136885	10.45680219	-1.947665303	1.08E-06
peak_23263	chr24	40828408	40829119	-66645	Intergenic	NM_001037114	nubp2	4.340116769	6.287889858	-1.947773089	0.000187
peak_20056	chr24	39928868	39929586	-37748	Intergenic	NM_001003498_1	zgc:91999	6.271044506	8.2189885	-1.947943994	4.26E-05
peak_19206	chr1	11009077	11010150	21628	intron (NM_001037387, intron 3 of 14)	NM_001037387	ttyh3b	6.226108781	8.174201431	-1.94809265	2.64E-05
peak_35230	chr23	35761691	35763750	-2381	exon (NM_001190982, exon 4 of 4)	NM_194388	tuba1b	5.251470391	7.199650101	-1.94817971	0.007232
peak_28103	chr18	1694527	1695035	2916	intron (NM_001030257, intron 1 of 4)	NM_001030257	rab27a	4.514108747	6.462472865	-1.948364117	0.001141
peak_23450	chr4	8178122	8178700	-52757	intron (NM_212824, intron 2 of 2)	NM_001201412	si:dkey-48p11.3	4.444004846	6.392777896	-1.948773051	0.000201
peak_19485	chr22	22013609	22014131	73590	Intergenic	NM_001130604	tle2	4.367064887	6.31589732	-1.948832433	3.06E-05
peak_17953	chr5	20316112	20316737	364807	Intergenic	NM_201009	aacs	5.967238845	7.916078812	-1.948839966	1.33E-05
peak_41526	chr7	28787010	28787329	24720	Intergenic	NM_001002471	calca	2.521897487	4.470855674	-1.948958187	0.02302
peak_23569	chr18	24581807	24582185	-121313	Intergenic	NM_001045011	rgma	4.518008373	6.466972933	-1.948964559	0.000212
peak_29863	chr9	35679286	35679719	66961	Intergenic	NM_001126411	shox	3.027956891	4.976981549	-1.949024658	0.001945
peak_27492	chr6	15553238	15553612	-103	promoter-TSS (NM_001002133)	NM_001002133	trim63	4.078359093	6.027532179	-1.949173085	0.000924
peak_32873	chr8	16148033	16148667	-325871	Intergenic	NM_001017814	spata6	3.868163296	5.817366511	-1.949203215	0.004252
peak_23578	chr2	33762329	33762638	27410	intron (NM_201074, intron 5 of 11)	NM_201074	eif2b3	3.763304282	5.712523968	-1.949219685	0.000213
peak_24155	chr22	3659388	3659831	189298	Intergenic	NM_001013507	timm44	4.385125888	6.334347069	-1.949221181	0.000275
peak_35244	chr2	23297120	23297562	-1283	Intergenic	NM_213059	crsp7	3.614662915	5.563918267	-1.949255352	0.007254
peak_19695	chr23	33087011	33087556	-416661	Intergenic	NR_029935		5.108735571	7.0581094	-1.94937383	3.46E-05
peak_27423	chr11	18840265	18840660	137159	Intergenic	NM_001079955	dido1	3.634375402	5.583794649	-1.949419246	0.000899
peak_20980	chr11	31031157	31031822	-6352	Intergenic	NM_001130771	cdkl5	5.920730635	7.870278363	-1.949547728	6.63E-05
peak_17227	chr20	33893958	33894859	-5104	Intergenic	NM_001110519	atf6	6.234634996	8.18423181	-1.949596815	8.18E-06
peak_14587	chr14	1833555	1834676	-46893	Intergenic	NM_001024200_1	pcdh2g28	6.605912842	8.555726346	-1.949813504	1.33E-06
peak_17739	chr12	34583993	34584824	206947	Intergenic	NM_001201562	ccdc57	6.16231838	8.112164902	-1.949846523	1.16E-05
peak_31360	chr14	43155068	43155484	44902	intron (NM_001012263, intron 2 of 5)	NM_001127254	nitr13	3.829843083	5.779723981	-1.949880898	0.002891
peak_18470	chr7	17824421	17824998	-21463	Intergenic	NM_131158	dbx1a	5.65418239	7.604063413	-1.949881023	1.76E-05
peak_18080	chr10	40786406	40786968	-101434	Intergenic	NM_001037674	smtlb	4.99171148	6.941633302	-1.949921822	1.43E-05
peak_36487	chr14	31369914	31370190	8533	Intergenic	NM_001039172	fgf20b	3.19853316	5.148466806	-1.949933645	0.009522
peak_19738	chr8	31465518	31466770	-1817	Intergenic	NM_001039816	specc1la	5.607492003	7.557856908	-1.950364905	3.53E-05
peak_28071	chr6	26443488	26444018	160225	Intergenic	NM_201474	hdlbpa	5.191896985	7.142418217	-1.950521231	0.001128
peak_21865	chr1	55272983	55273636	1477	intron (NM_001134682, intron 2 of 11)	NM_001134682	cdc25d	4.938088916	6.888806749	-1.950717833	0.000102
peak_25078	chr6	11133790	11134397	-26897	Intergenic	NM_001083031	atg9a	4.878664214	6.829476433	-1.950812219	0.000399
peak_28946	chr6	22783256	22783812	3271	intron (NM_001007109, intron 2 of 37)	NM_001007109	speg	4.391425188	6.342259809	-1.950834622	0.001487
peak_22009	chr14	52164688	52165175	127138	intron (NM_001114465_1, intron 4 of 12)	NM_001114465_1	unc5a	4.652033337	6.602866089	-1.950842753	0.000109
peak_36750	chr15	16456575	16457647	31094	Intergenic	NM_213076	rps6kb1b	2.621928594	4.572826039	-1.950897446	0.010011
peak_20913	chr20	9195445	9196036	105298	Intergenic	NM_001164029	mysm1	5.746949991	7.697855594	-1.950905603	6.44E-05
peak_24729	chr3	14368590	14368968	-4278	Intergenic	NM_001040248	nfixb	3.893534166	5.844465078	-1.950930912	0.000349
peak_19454	chr18	5213357	5214722	23565	Intergenic	NM_001013457	gcsha	6.745528359	8.696569791	-1.951041431	3.01E-05
peak_34525	chr5	2606077	2606658	-85167	Intergenic	NM_213058	hspa5	4.395609492	6.346773671	-1.951164179	0.006222
peak_18291	chr9	27059630	27060431	-36696	Intergenic	NM_001128555	arhgap15	5.295371368	7.246583705	-1.951212338	1.61E-05
peak_22710	chr1	16146698	16147045	28054	intron (NM_212967, intron 2 of 30)	NM_212967	fat1a	4.040035898	5.991301883	-1.951265985	0.000148
peak_43652	chr1	43910418	43910916	156405	Intergenic	NM_001002577	suclg1	0.95594936	2.907229694	-1.951280333	0.031463
peak_19618	chr6	33944691	33945283	-63047	Intergenic	NM_001114437	brinp3a	4.689193624	6.640509874	-1.951316251	3.32E-05
peak_29072	chr20	32333852	32334254	37564	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	3.552201346	5.503529559	-1.951328212	0.001546
peak_22266	chr9	1609265	1609795	19782	intron (NM_200113, intron 7 of 19)	NM_200113	agps	4.610221378	6.561720794	-1.951499415	0.000123
peak_25102	chr14	30011364	30011710	-425177	Intergenic	NM_001039064	insb	4.180387832	6.13189331	-1.951505478	0.000402
peak_15600	chr14	38879253	38880192	672823	Intergenic	NM_001048055	lect2l	7.818131246	9.769738193	-1.951606947	2.79E-06
peak_21506	chr20	44409872	44410316	104495	Intergenic	NM_130940	bon	4.832977038	6.784611739	-1.951634701	8.57E-05
peak_35688	chr16	6766977	6767347	-86304	Intergenic	NM_001002182	zgc:91890	4.583823625	6.535556124	-1.951732499	0.007995
peak_33534	chr16	4337005	4337418	210171	Intergenic	NM_200701	wdr21	3.350931353	5.303050597	-1.952119244	0.004954
peak_20839	chr5	38119151	38119667	5641	3' UTR (NM_001144804, exon 5 of 5)	NM_001144804	wnt11	4.984744196	6.936914986	-1.95217079	6.23E-05
peak_30146	chr8	18738440	18739082	-16032	Intergenic	NM_001204524	zgc:112263	2.822091642	4.774355181	-1.952263539	0.00211
peak_19427	chr18	1696564	1697020	905	intron (NM_001030257, intron 1 of 4)	NM_001030257	rab27a	5.367597506	7.319944907	-1.952347401	2.97E-05
peak_17279	chr20	13884037	13884579	78	promoter-TSS (NM_001080631)	NM_001080631	rd3	5.53615407	7.488532413	-1.952378344	8.42E-06
peak_41653	chr22	18889972	18890356	80431	Intergenic	NM_207052	midn	3.665896933	5.618311476	-1.952414542	0.023465
peak_26997	chr16	39135030	39135410	-69505	Intergenic	NM_001200061	LOC100005807	4.038698769	5.991446058	-1.952747289	0.000778
peak_23858	chr22	17185805	17186234	33428	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	4.862084173	6.814934617	-1.952850444	0.000243
peak_24821	chr17	50756244	50757031	21455	Intergenic	NM_001122849	acyp1	5.164465597	7.117403667	-1.95293807	0.000362
peak_15140	chr20	52707237	52708664	-29502	Intergenic	NM_001144787	si:ch1073-287p1	7.259721739	9.212677751	-1.952956012	2.00E-06
peak_25984	chr21	32905781	32906218	92468	Intergenic	NM_199763	rnf145b	4.761636981	6.714734449	-1.953097468	0.000548
peak_33717	chr1	2618163	2618443	148561	intron (NM_001109719, intron 2 of 3)	NM_001109719	zgc:171629	2.653720264	4.606925108	-1.953204843	0.005171
peak_16667	chr17	9230669	9231464	-409281	Intergenic	NM_001077768	zranb1b	5.253234453	7.206439749	-1.953205296	5.81E-06
peak_36072	chr21	16629901	16630386	161702	Intergenic	NM_001080558	zgc:158666	3.972932316	5.926188586	-1.95325627	0.008665
peak_17134	chr7	12649152	12650516	234759	Intergenic	NM_001080993	mex3b	7.418196646	9.371478288	-1.953281643	7.66E-06
peak_17921	chr11	30885578	30886216	-14099	Intergenic	NM_001007297	ace2	4.871127539	6.824553665	-1.953426126	1.30E-05
peak_21545	chr19	2377753	2378205	-63375	intron (NM_198819, intron 28 of 28)	NM_001007153	twistnb	5.10167217	7.055137288	-1.953465119	8.74E-05
peak_17187	chr6	28594846	28595373	3872	intron (NM_152248, intron 1 of 11)	NM_152248	tp63	5.857519022	7.811562248	-1.954043226	7.94E-06
peak_15912	chr7	55465781	55466543	103299	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	6.974805243	8.928864144	-1.954058901	3.53E-06
peak_33730	chr5	41399158	41399766	12046	intron (NM_199829, intron 1 of 14)	NM_199829	rasgef1ba	4.627276095	6.581421758	-1.954145663	0.005184
peak_26111	chr14	27551376	27551983	-6084	Intergenic	NM_182862	tgfbi	4.603906322	6.558071702	-1.95416538	0.000572
peak_32600	chr10	41081425	41081735	-175870	Intergenic	NM_200744	smfn	3.795420797	5.749628986	-1.954208189	0.003977
peak_35376	chr13	48954137	48954533	-168015	Intergenic	NM_001098262	zmp:0000001138	3.787481669	5.741712518	-1.954230849	0.007455
peak_31047	chr24	33087970	33088262	291078	Intergenic	NM_001018143	trdmt1	3.044039864	4.99833024	-1.954290376	0.002649
peak_21581	chr17	36009451	36010120	48950	Intergenic	NM_131336	sox11a	5.923652311	7.878021514	-1.954369203	8.91E-05
peak_26796	chr20	49894807	49895052	-312044	Intergenic	NM_001077270	ints9	3.152152513	5.106669848	-1.954517335	0.000728
peak_18038	chr10	46034160	46034561	246127	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	5.225815055	7.180441428	-1.954626374	1.39E-05
peak_17288	chr23	41844087	41845054	11470	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	6.988221941	8.942869784	-1.954647843	8.45E-06
peak_24256	chr12	16604440	16605180	91133	Intergenic	NM_001162849	nmt1b	5.767322842	7.722188035	-1.954865193	0.000288
peak_23473	chr13	34235516	34235866	-184056	intron (NM_200549, intron 5 of 19)	NM_001256646	flrt3	4.10167217	6.056577553	-1.954905384	0.000204
peak_23393	chr24	30402086	30402875	123719	Intergenic	NM_001163988	prmt6	5.179139309	7.134076823	-1.954937514	0.000197
peak_23667	chr23	34516771	34517364	158095	Intergenic	NM_001005584	chchd6a	4.614715268	6.570073569	-1.955358301	0.000222
peak_18915	chr24	17792962	17793448	-12707	Intergenic	NM_001008734	commd3	4.979178573	6.934579868	-1.955401296	2.26E-05
peak_32120	chr19	32090790	32091333	-22174	Intergenic	NM_001003570	mfsd2ab	4.698587205	6.654251407	-1.955664202	0.003518

peak_32655	chr17	34947977	34948421	-24870	Intergenic	NM_201291	id2a	4.30822336	6.264021317	-1.955797957	0.004029
peak_40630	chr23	39067482	39068081	21713	Intergenic	NM_001080609	sall4	1.243333623	3.199141395	-1.955807772	0.020022
peak_15914	chr9	6798504	6799409	-96271	Intergenic	NM_131150	pou3f3a	5.718790515	7.674628969	-1.955838453	3.54E-06
peak_30652	chr4	2777709	2778444	38261	Intergenic	NM_213494	aebp2	4.330313843	6.286185482	-1.955871639	0.002397
peak_27816	chr23	28828871	28829257	3307	intron (NM_131361, intron 1 of 28)	NM_131361	nadl1.2	3.896489853	5.852479681	-1.955989828	0.001036
peak_19120	chr15	14584165	14584652	48781	intron (NM_205762, intron 1 of 7)	NM_205762	traf4a	5.026608515	6.982915937	-1.956307422	2.54E-05
peak_16591	chr6	41469956	41470611	-3117	Intergenic	NM_001114419	hemk1	6.176405983	8.132748033	-1.95634205	5.56E-06
peak_16364	chr15	13376994	13377675	177693	Intergenic	NM_201179	sars2	6.022197834	7.978737752	-1.956539917	4.80E-06
peak_20296	chr21	14411101	14411879	10978	intron (NM_131840, intron 1 of 10)	NM_131840	tnfrsfa	5.559239876	7.515852401	-1.956612524	4.82E-05
peak_18769	chr5	46283784	46284405	9620	intron (NM_001099990, intron 1 of 24)	NM_001099990	dapk1	5.261888844	7.218660416	-1.956771571	2.08E-05
peak_28408	chr9	6782179	6782605	-79707	Intergenic	NM_131150	pou3f3a	4.693448485	6.650393256	-1.956944771	0.001252
peak_21051	chr13	36297479	36297912	-3853	Intergenic	NM_212581	tacc3	5.291447025	7.248577515	-1.95713049	6.87E-05
peak_15725	chr7	48064343	48065467	325920	Intergenic	NM_001195407	tshz3b	7.624467412	9.581616238	-1.957148826	3.11E-06
peak_16880	chr2	39834908	39835618	4875	intron (NM_001005919, intron 3 of 16)	NM_001005919	epha4a	6.068583979	8.025802701	-1.957218722	6.60E-06
peak_40712	chr16	37910914	37911393	130438	intron (NM_001002299_1, intron 11 of 16)	NM_001040311	zgc:136683	0.653720264	2.611056283	-1.957336019	0.020281
peak_33694	chr20	31943338	31944093	841	intron (NM_001099981, intron 1 of 26)	NM_001099981	stxbp5a	4.063971374	6.021554632	-1.957583257	0.005138
peak_18302	chr10	45290311	45292078	-8092	Intergenic	NM_200592	nr2f1b	8.212291104	10.17001128	-1.957720172	1.62E-05
peak_21886	chr9	50388291	50388957	-476360	Intergenic	NM_001113604	nostrin	4.899482471	6.857387892	-1.957905421	0.000103
peak_26142	chr5	69512406	69512847	-88923	Intergenic	NM_001083565	hip1rb	4.065285294	6.023553509	-1.958268215	0.000578
peak_16117	chr14	18901153	18901793	-63407	Intergenic	NM_213548	nkx1.2lb	5.557373553	7.515671145	-1.958297592	4.04E-06
peak_24233	chr1	5286283	5286756	71073	intron (NM_001020643, intron 2 of 3)	NM_001020643	klf7a	4.860527269	6.818925288	-1.958398019	0.000285
peak_20473	chr23	36938168	36938746	41534	Intergenic	NM_001089535	ube2j2	4.89727087	6.855727924	-1.958457055	5.23E-05
peak_17546	chr8	10740848	10741257	173608	Intergenic	NM_001077391	zgc:153997	5.99997995	7.958516419	-1.958536469	1.01E-05
peak_32007	chr15	46389477	46389862	-38898	intron (NM_205646, intron 1 of 6)	NM_207070	phox2a	3.951692923	5.910305702	-1.958612779	0.003435
peak_17178	chr20	28257373	28257994	-17219	Intergenic	NM_001079835	dll4	5.308778146	7.267571359	-1.958793213	7.89E-06
peak_19367	chr15	30270999	30271622	26548	Intergenic	NM_001102630	zgc:171951	5.15524065	7.114276911	-1.95903626	2.87E-05
peak_18415	chr9	8049895	8050360	284459	Intergenic	NM_001009886	mnx2a	4.808817851	6.767984383	-1.959166532	1.71E-05
peak_25983	chr19	25139323	25139773	57559	intron (NM_001045221, intron 21 of 21)	NM_001045220	si:dkeyp-92c9.2	4.127133121	6.086466961	-1.95933384	0.000547
peak_24386	chr2	51381270	51381752	-47066	Intergenic	NM_001142925	adcyap1r1a	4.644080257	6.603549469	-1.959469212	0.000303
peak_30764	chr10	42978191	42978739	-152308	Intergenic	NM_001110035	rnf34b	3.391425188	5.350904761	-1.959479573	0.002463
peak_19307	chr16	34667655	34668572	-49807	Intergenic	NM_001130601	mms22l	5.876750991	7.836283767	-1.959532776	2.79E-05
peak_20062	chr12	38172058	38172895	7468	Intergenic	NM_001003874_1	chmp6b	5.466583986	7.42618863	-1.959604644	4.28E-05
peak_32333	chr5	20402448	20402848	278583	Intergenic	NM_201009	aacs	4.148438002	6.108051459	-1.959613457	0.003722
peak_17437	chr11	31003508	31004331	-33922	Intergenic	NM_001130771	cdkl5	6.953635001	8.913511977	-1.959876976	9.32E-06
peak_26499	chr17	33496837	33497216	-5584	Intergenic	NM_001007162	dnajc27	3.535233816	5.495194997	-1.959961181	0.000653
peak_17168	chr17	13733414	13733930	592935	Intergenic	NM_200482	jkamp	5.284661742	7.244636761	-1.959975019	7.84E-06
peak_24825	chr22	34667416	34667873	-351809	Intergenic	NM_001037661_1	slc6a6b	4.504454597	6.464439524	-1.959984927	0.000363
peak_21403	chr9	21694431	21695084	107234	intron (NM_001256622, intron 3 of 13)	NM_001256622	wu:fj20e02	5.819002087	7.779020055	-1.960017968	8.15E-05
peak_14264	chr7	34927466	34928416	90332	Intergenic	NM_131780	gro1	7.06380705	9.024076415	-1.960269365	1.03E-06
peak_15818	chr6	53999929	54000810	46035	Intergenic	NM_001039997	zgc:136804	7.110963974	9.071250208	-1.960286234	3.30E-06
peak_25529	chr6	18130710	18131144	105212	intron (NM_200375, intron 7 of 7)	NM_200375	stx8	4.947423891	6.907862986	-1.960439096	0.000468
peak_23629	chr14	52985219	52985903	-130414	Intergenic	NM_199952	ube2d2l	4.620089523	6.580594664	-1.960505141	0.000217
peak_40118	chr2	28686845	28687193	-23589	Intergenic	NM_001159830	si:dkeyp-68h1.1	2.953113131	4.913743648	-1.960630516	0.018373
peak_17032	chr11	29217268	29218894	123100	intron (NM_001033094_1, intron 3 of 4)	NM_001033094_1	ephb2b	6.861884139	8.822521801	-1.960637663	7.17E-06
peak_24606	chr25	10847922	10848308	-7061	Intergenic	NM_199684	ppp6r3	5.34069108	7.301380962	-1.960689883	0.00033
peak_29615	chr13	52252589	52252989	-16546	exon (NM_001045030, exon 11 of 16)	NM_001113637	pygo1	4.077057032	6.037867779	-1.960810747	0.001809
peak_16954	chr2	47585020	47585792	4308	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	6.788827775	8.749936611	-1.961108836	6.87E-06
peak_25348	chr6	47968783	47969261	-126521	Intergenic	NM_201202	phc2b	4.088808875	6.050046848	-1.961237973	0.00044
peak_20603	chr21	16829897	16830966	56145	Intergenic	NM_213099	wdr5	5.341201883	7.302595911	-1.961394028	5.60E-05
peak_20522	chr19	26833690	26834278	7582	intron (NM_199983, intron 2 of 6)	NM_199983	mylipa	6.0420782	8.00353194	-1.96145374	5.35E-05
peak_21909	chr6	31418121	31418843	298888	Intergenic	NM_201025	pgm1	5.482436238	7.444260785	-1.961824547	0.000105
peak_27380	chr12	44716424	44716766	60093	intron (NM_001110011_1, intron 7 of 20)	NM_001110011_1	dock1	3.587486179	5.54936347	-1.961877291	0.000886
peak_25770	chr22	37027065	37027479	437664	Intergenic	NM_001202416	terf2ip	3.761684263	5.723757704	-1.962073441	0.000508
peak_32119	chr9	6474684	6475535	-53637	intron (NM_200997, intron 1 of 3)	NM_001017697	ecrg4a	4.777001492	6.739551544	-1.962550052	0.003517
peak_14002	chr23	2922956	2923729	-2223	Intergenic	NM_001089467	zgc:158828	7.545508874	9.508137857	-1.962628982	8.44E-07
peak_42253	chr24	6984704	6985160	450385	Intergenic	NM_001089556	actr3b	2.883141315	4.845914804	-1.962773489	0.025471
peak_33555	chr13	22431185	22431572	-26050	Intergenic	NM_001201566	usp54a	3.548447992	5.511350678	-1.962902686	0.004973
peak_43801	chr20	45170872	45171223	467223	Intergenic	NM_001013534	zgc:103511	2.912638768	4.875771683	-1.963132916	0.032199
peak_24415	chr19	28640765	28641234	-24679	Intergenic	NM_131823	irx1b	4.89131342	6.854666275	-1.963352855	0.000306
peak_36716	chr25	23286055	23286371	-24439	Intergenic	NM_001045312	stra6	3.764922485	5.72839359	-1.963471105	0.009944
peak_16704	chr8	9463616	9464146	-8849	exon (NM_001075110, exon 7 of 9)	NM_131539	pim1	6.646741346	8.610259282	-1.963517936	5.97E-06
peak_29662	chr3	30661828	30662203	-22833	Intergenic	NM_214766	med25	3.872673052	5.836193118	-1.963520066	0.001841
peak_22152	chr23	23028493	23029200	78159	Intergenic	NM_212722	eno1a	5.961272895	7.924912888	-1.963639993	0.000116
peak_27711	chr21	43497398	43497877	-96911	intron (NM_001031843, intron 5 of 12)	NM_001012389	tcf7	3.637911999	5.601596014	-1.963684015	0.000995
peak_14553	chr2	46719229	46719988	-276869	Intergenic	NM_201020_1	gpc1b	6.763899519	8.727583744	-1.963684225	1.29E-06
peak_35441	chr4	14808131	14808475	137067	intron (NM_001030134, intron 10 of 17)	NM_001030134	exoc4	3.350931353	5.314722386	-1.963791034	0.007558
peak_14472	chr25	619908	621086	-33977	Intergenic	NM_001098393	zgc:162740	7.493386766	9.457353547	-1.96396678	1.24E-06
peak_21907	chr13	53306995	53307709	6855	intron (NM_200969, intron 2 of 5)	NM_200969	sncb	6.118578189	8.082583085	-1.964004896	0.000105
peak_16485	chr15	13685792	13686378	40518	intron (NM_001012375, intron 1 of 8)	NM_001012375	numbl	7.256130616	9.220207866	-1.96407725	5.21E-06
peak_25377	chr7	9460760	9461194	57735	intron (NM_001020496, intron 1 of 4)	NM_001024426	tex261	4.244561664	6.208677234	-1.96411557	0.000445
peak_27245	chr11	17287962	17288205	328703	Intergenic	NM_001110030	kbtbd8	2.877168754	4.841332299	-1.964163544	0.000846
peak_16705	chr6	14412516	14413297	-209998	Intergenic	NM_001128547	inpp4ab	5.816663503	7.780872917	-1.964209414	5.97E-06
peak_33089	chr7	22884312	22884784	-71436	Intergenic	NM_001077144	tmem88b	3.657209812	5.621633843	-1.96442403	0.004486
peak_29388	chr8	12731006	12731468	95608	Intergenic	NM_001024214	endog	3.86204007	5.826506522	-1.964466452	0.0017
peak_25068	chr7	67780986	67781480	-132710	Intergenic	NM_212949	pth1b	4.717144084	6.681884912	-1.964740828	0.000398
peak_30249	chr18	42046504	42047037	-333949	Intergenic	NM_001167569_1	pvrl1b	3.162011373	5.126765103	-1.96475373	0.002168
peak_19778	chr11	40293297	40293768	-15290	Intergenic	NM_001017736	cldn19	4.362796846	6.327686314	-1.964889468	3.60E-05
peak_24659	chr10	21259374	21259761	183709	Intergenic	NM_001201442	avd	4.275608918	6.240510101	-1.964901183	0.000339
peak_23276	chr7	44349146	44349720	8141	intron (NM_001146305, intron 1 of 13)	NM_001146305	plxdc2	4.615612369	6.580530808	-1.96491844	0.000188
peak_24127	chr5	46248715	46249071	-25581	Intergenic	NM_001099990	dapk1	4.143397819	6.108465521	-1.965067702	0.000272
peak_24504	chr17	42072971	42074068	-34377	Intergenic	NM_001098390	zgc:162576	5.232297377	7.197738156	-1.965440778	0.000317
peak_18280	chr15	33528119	33528808	40999	Intergenic	NM_001080189	zgc:158328	6.163563645	8.12913787	-1.965574225	1.60E-05
peak_17421	chr18	11183424	11184029	316758	Intergenic	NM_001013335	zgc:110789	6.866236087	8.831917505	-1.965681418	9.24E-06
peak_22441	chr15	7961113	7961634	184739	intron (NM_001113555, intron 1 of 9)	NM_001113555	cadm2b	5.527572549	7.493266028	-1.965693479	0.000132
peak_36059	chr14	27194519	27194820	-39329	Intergenic	NM_001017831	gm2a	3.705295767	5.671010442	-1.965714675	0.008638
peak_21097	chr22	751507	752740	3221	intron (NM_131792, intron 1 of 14)	NM_131792	cry2b	8.825861141	10.79174787	-1.965886731	7.01E-05
peak_36033	chr4	52681757	52682419	892758	Intergenic	NM_001114418	zgc:174704	1.806462687	3.772467706	-1.966005019	0.008577
peak_16534	chr7	17827960	17828553	-25010	Intergenic	NM_131158	dbx1a	6.444509808	8.410553526	-1.966043718	5.36E-06
peak_35864	chr2	39428817	39429215	34239	Intergenic	NM_001002667	slc25a36a	3.787481669	5.753532088	-1.966050419	0.008316
peak_36420	chr17	8386778	8387489	20888	intron (NM_001080601, intron 1 of 5)	NM_001080601	fzd3b	4.346615242	6.312666856	-1.966051613	0.009378
peak_24322	chr16	52406419	52406951	359057	Intergenic	NM_001110524	brd2b	4.574572524	6.540667197	-1.966094673	0.000296
peak_24164	chr11	39350955	39352010	-10556	Intergenic	NR_034195		6.164465597	8.130776251	-1.966310654	0.000277
peak_40908	chr7	19759800	19760197	55912	Intergenic	NM_001127308	dtx1	3.66242836	5.628891958	-1.966463598	0.020955
peak_17699	chr2	49561163	49561768	32710	Intergenic	NM_001002688	cdc34b	5.494247726	7.460750017	-1.966502291	1.13E-05
peak_28260	chr24	1524640	1525572	65914	Intergenic	NM_001113644_4	zgc:172101	5.255571993	7.222138056	-1.966566063	0.001193
peak_20850	chr14	45207510	45208596	157783	Intergenic	NM_182885	pcdh10b	6.586302585	8.553036798	-1.966734213	6.24E-05
peak_26122	chr8	25086591	25086926	19035	Intergenic	NM_001017785	zgc:110353	3.781005458	5.747782935	-1.966777477	0.000574
peak_43479	chr5	7600230	7600609	-28190	Intergenic	NM_001018130	crybb3	3.368192036	5.335142444	-1.966950408	0.030718
peak_19144	chr4	12435891	12436327	-40445	Intergenic	NM_213485	cand1	4.342286181	6.309281327	-1.966995146	2.56E-05
peak_32205	chr7	1092110	1092634	-20914	intron (NM_200561_1, intron 3 of 5)	NM_001077212	dctn1a	3.57277984	5.539893425	-1.967113585	0.003596
peak_24854	chr10	24955524	24956333	102756	Intergenic	NM_001080183	zgc:158234	5.140943814	7.108077422	-1.967133608	0.000368
peak_28918	chr6	48909971	48910913	-59032	Intergenic	NM_001256640	si:ch211-105j21.1	4.530429481	6.497601737	-1.967172257	0.001476
peak_38251	chr13	52496729	52497625	-135075	Intergenic	NM_214772	lsm14ab	3.616561198	5.583741527	-1.96718033	0.013393
peak_15382	chr1	59931302	59932221	30259	Intergenic	NM_001037694	lpar2b	6.481220634	8.448569471	-1.967348837	2.38E-06
peak_21559	chr4	12738239	12738720	-22615	Intergenic	NM_001044805	nrcama	4.544684847	6.512125469	-1.967440622	8.81E-05

peak_24350	chr1	35823968	35824284	-78718	Intergenic	NM_001002077	lsm6	3.992402332	5.959993624	-1.967591292	0.000299
peak_32538	chr3	4718392	4718954	348962	intron (NM_001114711_1, intron 5 of 6)	NM_001089332	zgc:162198	5.25499636	7.222773354	-1.967776994	0.003928
peak_38811	chr16	40232727	40233107	-318786	Intergenic	NM_001037432	zgc:123285	3.523698724	5.491513007	-1.967814284	0.014798
peak_15518	chr1	21904748	21905897	137341	Intergenic	NM_001089491	rfc1	6.919449214	8.887316851	-1.967867637	2.66E-06
peak_16539	chr6	53161261	53162097	-16022	Intergenic	NM_213481	gnb1b	6.653090523	8.621208308	-1.968117785	5.38E-06
peak_21723	chr10	28067934	28068267	336487	Intergenic	NM_152948	cxadr	3.637911999	5.606052661	-1.968140663	9.49E-05
peak_24955	chr11	31748768	31749132	129102	Intergenic	NM_200716	zgc:73111	4.190056257	6.158229733	-1.968173476	0.000381
peak_30731	chr23	28522437	28522816	-43353	Intergenic	NM_145195	birc5b	3.219927938	5.188105884	-1.968177945	0.002446
peak_19183	chr19	22097911	22098753	100558	Intergenic	NM_001159669	LOC100003866	6.299580491	8.268026438	-1.968445947	2.61E-05
peak_38684	chr3	49497764	49498022	-79217	Intergenic	NM_001017786	znf750	3.420463621	5.389001445	-1.968537824	0.014391
peak_20497	chr17	28159503	28159929	1348	exon (NM_001242995, exon 2 of 22)	NM_001242995	kdm1a	4.763304282	6.732174769	-1.968870487	5.29E-05
peak_25007	chr14	246503	246826	2258	Intergenic	NM_001080593	hs3st1	2.889089251	4.857982218	-1.968892967	0.000389
peak_27317	chr10	2028630	2029098	-38781	Intergenic	NM_131092	oep	3.855979326	5.824884736	-1.96890541	0.000866
peak_14973	chr3	39657371	39658421	-15093	Intergenic	NM_001020573	grapa	7.186722431	9.155775694	-1.969053263	1.76E-06
peak_25073	chr17	31315619	31316086	18876	Intergenic	NM_001115147	prlh2r	4.394564553	6.363646722	-1.969082169	0.000398
peak_27425	chr12	25261036	25261351	26221	intron (NM_001035261, intron 1 of 37)	NM_001035261	svila	3.282403856	5.251765679	-1.969361822	0.000901
peak_18348	chr21	38894790	38895920	-9324	intron (NM_001142566, intron 10 of 11)	NM_001002417	med31	6.138743071	8.108481756	-1.969738685	1.65E-05
peak_26761	chr19	21334366	21334846	50801	Intergenic	NM_214704	cndp2	4.466115708	6.435895966	-1.969780258	0.000718
peak_23936	chr7	67615367	67615759	-267702	Intergenic	NM_001014289	eif4g2a	4.362796846	6.33261374	-1.969816895	0.00025
peak_16725	chr16	54619541	54620285	-91263	Intergenic	NM_213187	dhdds	6.50472499	8.474732885	-1.970007896	6.05E-06
peak_21819	chr17	29167552	29168457	10443	Intergenic	NM_131067	foxg1a	5.330313843	7.300431731	-1.970117889	9.99E-05
peak_21986	chr21	43229282	43229882	38343	Intergenic	NM_200581	ammecr1	4.067909549	6.038063596	-1.970154047	0.000108
peak_18247	chr25	11790924	11791576	-397794	Intergenic	NM_001265607	mespbb	5.413834636	7.38434955	-1.970514914	1.57E-05
peak_33360	chr4	22877055	22877558	22203	intron (NM_194401, intron 2 of 11)	NM_194401	celf2	3.436916749	5.407471404	-1.970554655	0.004775
peak_42007	chr3	7831108	7831359	-6557	Intergenic	NM_001105127	zgc:173577	0.653720264	2.62442836	-1.970708095	0.024708
peak_18436	chr17	53901518	53903427	3541	exon (NM_001045465, exon 8 of 10)	NM_001045465	exd1	6.976397874	8.947266379	-1.970868505	1.72E-05
peak_42118	chr8	45674077	45674424	-57038	Intergenic	NM_001007032	ncor2	0.625495796	2.596451954	-1.970956159	0.025042
peak_21669	chr20	31508095	31508569	14876	intron (NM_001044819, intron 2 of 19)	NM_001044819	sash1a	5.315451208	7.286565729	-1.971114522	9.27E-05
peak_40769	chr22	20238085	20238503	91639	intron (NM_001130788, intron 2 of 10)	NM_001130788	celf5a	3.665896933	5.637060835	-1.971163901	0.020488
peak_29624	chr24	31300623	31301182	-20724	Intergenic	NM_001006092	alg14	3.561542232	5.532725067	-1.971182835	0.001816
peak_18967	chr9	48829930	48830448	51729	Intergenic	NM_001003480	zgc:92380	5.599325672	7.570790191	-1.971464519	2.33E-05
peak_23537	chr4	8231441	8231915	12552	intron (NM_212824, intron 1 of 2)	NM_212824	chst11	3.892054049	5.863524045	-1.971469996	0.000209
peak_24523	chr20	32348695	32349433	22553	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	5.264145665	7.235717399	-1.971571734	0.00032
peak_20338	chr12	36089400	36090049	-128059	Intergenic	NM_001278598	si:ch73-127m5.2	5.769363205	7.740970174	-1.971606969	4.93E-05
peak_23647	chr4	14932525	14932820	-101203	Intergenic	NM_001044894	si:dkey-117n7.5	3.720483721	5.692258067	-1.971774346	0.000219
peak_39141	chr21	32203462	32203727	-157244	Intergenic	NM_213214	rbm22	1.44299439	3.414798814	-1.971804424	0.01566
peak_18717	chr7	70521496	70522120	-90713	Intergenic	NM_199682	ap1g1	5.3940418	7.365872762	-1.971830962	2.01E-05
peak_36963	chr7	55496946	55497300	72338	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	2.871171366	4.843304362	-1.972132996	0.010498
peak_28094	chr5	53471970	53472374	565	exon (NM_131100, exon 2 of 3)	NM_131100	otpb	2.809602052	4.782121451	-1.972519398	0.001138
peak_21998	chr15	36079294	36079785	-135864	Intergenic	NM_001040687	nphs1	4.163239007	6.135777973	-1.972538966	0.000109
peak_31436	chr21	27275865	27276476	-306888	intron (NM_001079970, intron 18 of 23)	NR_023323		4.778604412	6.75134937	-1.972744958	0.00294
peak_28511	chr9	17968752	17969192	13966	Intergenic	NM_001002190	rgcc	4.412226395	6.385107142	-1.972880746	0.001294
peak_14667	chr3	53621939	53622839	-15595	Intergenic	NM_131447	pbx4	6.86567062	8.838913928	-1.973243307	1.42E-06
peak_40304	chr8	27492482	27492997	-30537	Intergenic	NM_001128346	si:ch211-106g4.2	3.742100794	5.715561661	-1.973460867	0.018948
peak_23941	chr14	31474195	31474692	38005	intron (NM_001002556, intron 2 of 5)	NM_001045321	npas4a	4.219927938	6.193445244	-1.973517306	0.000251
peak_22511	chr23	27238972	27239540	19448	intron (NM_001044396, intron 2 of 4)	NM_001044396	rnd1l	5.559733273	7.533333803	-1.97360053	0.000136
peak_37494	chr21	20407953	20408313	-5473	Intergenic	NM_001014304	pvrl3b	3.078435017	5.052095637	-1.973660619	0.011652
peak_17062	chr9	58057258	58057829	-9487	Intergenic	NM_001077788_1	rab3gap1	5.901322886	7.875084037	-1.973761151	7.29E-06
peak_41027	chr23	27373699	27374067	-10075	3' UTR (NM_001214908, exon 3 of 3)	NM_001130590	stat6	3.420583411	5.394512452	-1.973929041	0.021411
peak_22874	chr5	5340216	5340679	-128808	Intergenic	NM_001076606	mvb12ba	4.417440195	6.391435446	-1.973995252	0.000159
peak_26510	chr4	38891154	38891532	-490434	Intergenic	NM_001109839	zgc:173617	4.415380979	6.389434317	-1.974053338	0.000655
peak_20006	chr19	10334775	10335482	-1134	Intergenic	NM_001002643	slc2a3a	5.690070444	7.66418461	-1.974114166	4.14E-05
peak_33366	chr3	46124581	46125040	28534	intron (NM_001135975, intron 2 of 3)	NM_001135975	shisa9b	3.620141679	5.594378554	-1.974236874	0.004782
peak_37711	chr24	12742392	12742640	4368	exon (NM_001098392, exon 4 of 4)	NM_001098392	nanog	2.751830549	4.726164333	-1.974333783	0.012067
peak_35819	chr10	14761915	14762309	-175478	Intergenic	NM_001045421	zgc:153395	4.108061062	6.082503929	-1.974442867	0.008238
peak_18676	chr24	4582100	4582870	-54527	Intergenic	NM_130918	fzd8a	6.273604439	8.24810721	-1.974502771	1.96E-05
peak_22375	chr15	18130058	18130341	-55906	Intergenic	NM_001110169_1	zgc:171957	3.544684847	5.51918778	-1.974502932	0.000129
peak_17366	chr8	5107674	5108254	61231	Intergenic	NM_131039	es1	5.498144577	7.472713662	-1.974569085	8.92E-06
peak_21420	chr5	17453006	17453873	-140089	Intergenic	NM_001100957	hspb8	5.20626096	7.18084883	-1.97458787	8.22E-05
peak_21083	chr24	35570983	35571923	-89284	Intergenic	NM_001002724	zgc:92591	6.50081757	8.475603836	-1.974786266	6.98E-05
peak_20240	chr15	2317284	2317741	-93531	intron (NM_212947, intron 5 of 10)	NM_001105110	hephl1	6.624552827	6.599439727	-1.9748869	4.68E-05
peak_23214	chr11	7754116	7755275	-198323	Intergenic	NM_213367	eltd1	5.491806838	7.466751295	-1.974944457	0.000184
peak_22422	chr11	37320674	37321076	70629	Intergenic	NM_001004590	cyb561d1	4.491806838	6.466912774	-1.975105937	0.000131
peak_13965	chr13	5760132	5762115	-1805	Intergenic	NM_130955	dld	8.189440694	10.16477974	-1.975339043	8.19E-07
peak_26698	chr13	52049883	52050364	41657	intron (NM_001123278, intron 3 of 7)	NM_001123278	wtip	4.60751831	6.583151339	-1.975633029	0.0007
peak_22541	chr24	10314408	10314790	100361	Intergenic	NM_131412	myca	4.033337828	6.009174559	-1.975836731	0.000138
peak_17075	chr1	25044171	25045846	51396	Intergenic	NM_200554	mtap	7.721004842	9.696877359	-1.975872517	7.36E-06
peak_32388	chr6	35269503	35270088	41570	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	4.691748046	6.667686772	-1.975938726	0.003773
peak_29720	chr8	30173522	30174055	-268262	intron (NM_001004123, intron 5 of 15)	NM_131091	atoh1a	4.284661742	6.260767701	-1.976105959	0.001868
peak_23047	chr20	23777512	23778065	46944	intron (NM_001044792, intron 2 of 11)	NM_001083824	si:dkey-15j16.3	4.758391368	6.73450753	-1.976116162	0.000172
peak_40171	chr18	11218200	11218499	282135	Intergenic	NM_001013335	zgc:110789	2.961605146	4.937852032	-1.976246887	0.01853
peak_15938	chr6	2784694	2785449	-355798	Intergenic	NM_200334	hyi	5.822891322	7.799142791	-1.976251469	3.60E-06
peak_24623	chr23	41367579	41368042	-198400	Intergenic	NM_001139458	si:dkey-194e6.1	4.887604564	6.863856583	-1.976252018	0.000333
peak_22668	chr11	22661971	22662381	-81777	Intergenic	NM_001199491	foxp4	4.647593172	6.623904996	-1.976311824	0.000146
peak_38445	chr8	27332734	27333186	-41996	Intergenic	NM_001122712	sema3bl	3.445014594	5.421437092	-1.976422498	0.013876
peak_18248	chr21	44248611	44249241	-18723	Intergenic	NM_205747	irf1b	5.03669075	7.013147952	-1.976457202	1.57E-05
peak_18244	chr12	36626289	36626776	-194620	Intergenic	NM_001256248	tbccl	5.219927938	7.196424474	-1.976496536	1.56E-05
peak_37343	chr1	52474180	52474529	148997	Intergenic	NM_001003739	rad23aa	1.224639552	3.201237394	-1.976597843	0.011302
peak_33543	chr13	53902776	53903114	9437	intron (NM_200631, intron 2 of 2)	NM_200631	srfb	2.455073397	4.431754598	-1.976681201	0.004962
peak_19136	chr16	1391648	1392254	138067	Intergenic	NM_178222	sim1a	5.216975347	7.193738443	-1.976763096	2.55E-05
peak_19671	chr22	20254199	20254751	75458	intron (NM_001130788, intron 2 of 10)	NM_001130788	celf5a	5.492755204	7.469567329	-1.976812125	3.42E-05
peak_36449	chr24	21887492	21887785	-20241	Intergenic	NM_001005393	boc	3.428773195	5.405722269	-1.976949074	0.009438
peak_34733	chr13	5466662	5466994	147258	Intergenic	NM_213234	spred2b	2.471023015	4.44797864	-1.976955625	0.006463
peak_28718	chr19	48198931	48199256	26929	intron (NM_001012369_1, intron 6 of 9)	NM_001012369_1	ext1b	3.162011373	5.139254568	-1.977243195	0.001376
peak_19670	chr6	3965375	3965948	-97327	Intergenic	NM_200247	unc50	5.924355407	7.901746895	-1.977391488	3.42E-05
peak_43337	chr23	30557611	30557946	270350	Intergenic	NM_212848	uts2a	2.664163689	4.642106909	-1.97794322	0.030167
peak_26884	chr21	33236418	33236704	-8960	Intergenic	NM_001031838	alg13	3.171803318	5.149809563	-1.978006245	0.000749
peak_19719	chr18	33228416	33229042	286983	Intergenic	NM_001045019	tiparp	5.589770563	7.567812286	-1.978041723	3.50E-05
peak_21475	chr17	32548577	32549285	26852	Intergenic	NM_001077604	klf11b	5.693048356	7.671212431	-1.978164075	8.43E-05
peak_39060	chr4	2931540	2932059	-115462	Intergenic	NM_213494	aebp2	4.217497405	6.19571886	-1.978221455	0.015416
peak_29593	chr10	4514505	4514820	130602	Intergenic	NM_001002132	lppr1	3.104231123	5.082796007	-1.978564884	0.001801
peak_18052	chr7	37569867	37570615	-224521	Intergenic	NM_200105	aktip	6.378239627	8.356926189	-1.978686562	1.41E-05
peak_26650	chr20	24217463	24217856	-52799	Intergenic	NM_001020750	map3k7	3.395609492	5.374330709	-1.978721217	0.000686
peak_21733	chr13	10684989	10685635	149503	Intergenic	NM_200480	dync2li1	4.59113946	6.569871989	-1.978732529	9.55E-05
peak_25449	chr16	33507441	33507836	-14750	Intergenic	NM_001014347	scrt1b	4.065285294	6.044092311	-1.978807016	0.000457
peak_28500	chr6	20616129	20616858	-311464	Intergenic	NM_178131	scinla	5.342859629	7.322220353	-1.979360724	0.00129
peak_39993	chr8	54535275	54535724	-26785	Intergenic	NM_131296	tcf7l1b	4.105583408	6.085019301	-1.979435893	0.01801
peak_23940	chr13	3244076	3244609	-76061	Intergenic	NM_001017635	park2	4.560665212	6.540209178	-1.979543967	0.000251
peak_22230	chr2	44866995	44867442	-28144	Intergenic	NM_001162502	ncapd2	4.795374608	6.774970858	-1.97959625	0.000121
peak_23118	chr20	34344965	34345320	-6338	Intergenic	NM_199279	ivns1abpa	3.800163388	5.779781041	-1.979617653	0.000178
peak_15528	chr23	25459683	25460546	36853	Intergenic	NM_200800	fam3a	6.928894656	8.908537417	-1.979642761	2.68E-06
peak_28559	chr25	35387448	35387911	-4501	Intergenic	NM_001110479	trpm1b	4.372382244	6.352111632	-1.979729388	0.001315
peak_21654	chr8	29953357	29953844	204869	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	4.696892816	6.676864639	-1.979971823	9.23E-05
peak_29516	chr1	36238618	36238974	93745	Intergenic	NM_212807	pou4f2	3.542799588	5.523015881	-1.980216294	0.001766
peak_42419	chr10	43158050	43158451	27477	intron (NM_001110035, intron 3 of 7)	NM_001110035	rnf34b	3.057306726	5.037723655	-1.980416929	0.02611

peak_37178	chr2	19736372	19736648	18952	intron (NM_131614_1, intron 5 of 6)	NM_131614_1	pbx1a	3.376683808	5.357126319	-1.980442512	0.010965
peak_31281	chr23	40183418	40184040	-136259	Intergenic	NM_001142955	minos1	3.742004936	5.722449936	-1.980445	0.00283
peak_19773	chr20	14744376	14744770	18885	intron (NM_001128524, intron 19 of 19)	NM_213261	pigc	3.997917271	5.978411612	-1.980494341	3.59E-05
peak_41852	chr12	45048512	45049053	-272094	Intergenic	NM_001110011_1	dock1	3.494735408	5.475356635	-1.980621227	0.024127
peak_36917	chr7	55992619	55992905	77166	intron (NM_001077575, intron 12 of 12)	NM_001077575	trip4	2.728799148	4.709430329	-1.980631181	0.010378
peak_15708	chr22	39163339	39164412	250610	Intergenic	NM_001017600	polr2h	7.735447245	9.716148447	-1.980701202	3.07E-06
peak_24443	chr25	12821043	12821373	-24446	Intergenic	NM_001122750	smpd3	3.389328476	5.370687853	-1.981359377	0.000309
peak_22408	chr1	23915238	23915788	118938	Intergenic	NM_001130587	tmem154	4.955240826	6.936641716	-1.98140089	0.00013
peak_20820	chr14	51967934	51968363	-3302	intron (NM_001017782_1, intron 14 of 17)	NM_001128679	atoh1b	5.121423191	7.102827417	-1.981404225	6.17E-05
peak_19156	chr3	8887766	8888207	-18072	Intergenic	NM_001014360	zgc:113250	4.569951633	6.551691338	-1.981739705	2.58E-05
peak_24892	chr6	5767754	5768084	397755	Intergenic	NM_001201446	rtn4a	3.982700169	5.964490888	-1.981790719	0.000373
peak_30806	chr1	35372423	35372659	-10708	Intergenic	NM_001137659	frem3	3.241010068	5.222924178	-1.98191411	0.002494
peak_40566	chr18	33024793	33025360	83330	Intergenic	NM_001045019	tiparp	4.092604742	6.074622992	-1.98201825	0.019872
peak_32680	chr20	10775395	10775726	44357	Intergenic	NM_001077758	serpina1	3.164465597	5.146930311	-1.982464714	0.004061
peak_23728	chr6	43739971	43740453	73784	intron (NM_001039637, intron 3 of 19)	NM_001039637	foxp1b	4.820536344	6.80304708	-1.982510736	0.000228
peak_42889	chr19	49616659	49617048	-63030	intron (NM_001040330, intron 2 of 8)	NM_001252559	ago4	3.567226082	5.549744544	-1.982518461	0.028088
peak_23485	chr6	49272764	49273255	-116619	Intergenic	NM_199210	ngf	4.196066283	6.1786278	-1.982561517	0.000205
peak_16490	chr1	21442030	21442554	13314	Intergenic	NM_181757	anxa5b	6.060003196	8.042836523	-1.982833327	5.22E-06
peak_21607	chr25	32270152	32270541	-3616	exon (NM_001126392, exon 3 of 3)	NM_131262	myod1	4.057383766	6.040332003	-1.982948237	9.04E-05
peak_38080	chr9	1493547	1493841	-5314	intron (NM_001017554_1, intron 16 of 16)	NM_001127404	si:ch211-222f23.1	3.124540972	5.107690919	-1.983149947	0.012947
peak_27435	chr1	49797958	49798289	-61211	Intergenic	NM_131260	msxb	3.492783688	5.476001717	-1.983218028	0.000903
peak_34151	chr7	11202221	11202685	-180707	Intergenic	NM_131674	arnt2	3.798584256	5.782043037	-1.983458781	0.005704
peak_25217	chr7	26348459	26348778	45788	intron (NM_001076730, intron 6 of 21)	NM_001076730	exoc6b	3.449046535	5.432667467	-1.983620932	0.000418
peak_21555	chr9	42466919	42467499	7398	intron (NM_001123273, intron 3 of 6)	NM_001123273	LOC564685	3.766538874	5.75033004	-1.983791165	8.80E-05
peak_14781	chr19	36655527	36656783	-71938	Intergenic	NM_001044971	bmp8a	7.072836253	9.056965618	-1.984129366	1.55E-06
peak_24430	chr16	4731690	4731966	89563	Intergenic	NM_131408	vegfaa	3.445014594	5.429147742	-1.984133148	0.000308
peak_28533	chr14	48350670	48350996	55087	Intergenic	NM_212874	ehd1a	2.803316476	4.787661204	-1.984344729	0.001302
peak_24748	chr18	23400939	23401503	257844	Intergenic	NM_131183	nr2f2	4.952361775	6.936869848	-1.984508073	0.000352
peak_14537	chr1	57638827	57640305	30022	intron (NM_001113805, intron 8 of 9)	NM_001033742	b3gntl1	7.383787026	9.36837315	-1.984586125	1.29E-06
peak_39015	chr10	31753104	31753450	44537	intron (NM_001005580, intron 1 of 6)	NM_001005580	opcml	3.2869161	5.271701583	-1.984785483	0.015297
peak_19905	chr2	45876663	45877125	-130482	Intergenic	NM_001045316	fam102ba	4.619195203	6.604033794	-1.984838591	3.89E-05
peak_31030	chr6	35816535	35817175	216622	Intergenic	NM_001079976	dmrt2b	3.529533336	5.514450257	-1.984916921	0.002641
peak_35950	chr16	55391719	55391997	18447	intron (NM_001163294, intron 2 of 58)	NM_001163294	col27a1a	3.268781826	5.253928126	-1.9851463	0.008447
peak_22785	chr18	9244451	9244837	297090	Intergenic	NM_001045084	sema3e	4.619195203	6.604437631	-1.985242428	0.000153
peak_35268	chr24	43009248	43009623	3214	intron (NM_200729, intron 1 of 1)	NM_200729	zgc:73144	4.307048351	6.292403273	-1.985354921	0.007284
peak_41368	chr2	58946590	58947015	38226	Intergenic	NM_001009556_1	ncstn	1.234016866	3.219389046	-1.98537218	0.022531
peak_40802	chr7	77125844	77126257	74266	Intergenic	NM_001020651	zgc:112102	1.426730103	3.412114264	-1.985384161	0.020581
peak_37391	chr13	50700859	50701080	-23898	Intergenic	NM_001291761	ggps1	1.967238845	3.952958538	-1.985719692	0.011412
peak_19576	chr13	11619786	11620429	20219	Intergenic	NM_001278854	trim8a	5.733376394	7.719126543	-1.985750149	3.23E-05
peak_20981	chr21	33509449	33509845	114433	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	3.92580277	5.911600821	-1.985798051	6.64E-05
peak_26405	chr18	25691553	25692213	-52925	Intergenic	NM_001128352	sema4ba	5.312687962	7.298618292	-1.98593033	0.000633
peak_19661	chr14	21554725	21555102	338100	Intergenic	NM_001080068	ids	4.249193638	6.235373745	-1.986180107	3.41E-05
peak_20689	chr25	1939804	1940481	-89465	Intergenic	NM_131042_1	fbln1	5.248615454	7.234920945	-1.98630549	5.83E-05
peak_15965	chr17	23137042	23138354	-3515	Intergenic	NM_001002376	ppp1r3ca	6.398494382	8.384816044	-1.986321663	3.69E-06
peak_32219	chr6	28515939	28516169	49285	Intergenic	NM_001089528	tprg1	2.831388386	4.817733432	-1.986345046	0.00361
peak_13903	chr1	42840451	42841198	178588	intron (NM_001159372, intron 4 of 15)	NM_001159372	ctnna2	7.069884159	9.056287813	-1.986403653	7.75E-07
peak_15637	chr12	8868487	8869040	-14181	Intergenic	NM_001039062	med24	6.200574869	8.187180041	-1.986605172	2.88E-06
peak_14112	chr22	36049472	36050377	34580	intron (NM_173274, intron 1 of 2)	NM_173274	dag1	7.594335145	9.581035906	-1.98670076	9.23E-07
peak_16505	chr21	2064437	2065488	59043	Intergenic	NM_001113432	st8sia3	7.605474508	9.592261639	-1.986787131	5.29E-06
peak_21608	chr22	24433563	24433983	79772	Intergenic	NM_001044943	crb1	4.625443833	6.612292905	-1.986849072	9.04E-05
peak_26093	chr15	22915594	22916110	-39082	Intergenic	NM_001024388	hmbsb	4.096540606	6.08364642	-1.987105814	0.000568
peak_33031	chr12	25279136	25279474	44333	intron (NM_001035261, intron 1 of 37)	NM_001035261	svila	3.052014612	5.039159355	-1.987144743	0.004431
peak_32216	chr20	4487186	4487611	230404	Intergenic	NM_001076758	zgc:154018	4.124614504	6.111877334	-1.98726283	0.003606
peak_14105	chr11	6145859	6146496	-4054	Intergenic	NM_213239	nr2f6b	6.994807656	8.982242427	-1.987434771	9.18E-07
peak_17620	chr6	27249316	27249798	26707	intron (NM_001083826, intron 1 of 14)	NM_001083826	ryk	4.868872007	6.856450861	-1.987578854	1.07E-05
peak_32527	chr8	32943016	32943410	153521	intron (NM_001159661, intron 26 of 28)	NM_001123321	htr1aa	3.806462687	5.794347174	-1.987884487	0.003921
peak_24802	chr14	30164151	30164577	-480667	Intergenic	NM_001045414	zgc:153146	4.154623552	6.142645272	-1.988021721	0.00036
peak_26469	chr6	30434293	30434945	38450	Intergenic	NM_001037669	insl5a	4.380911023	6.369069289	-1.988158266	0.000644
peak_16061	chr17	26618772	26619250	-26149	Intergenic	NM_213104	pgrmc2	5.520884289	7.509144775	-1.988260486	3.93E-06
peak_37080	chr21	31249038	31249393	-14144	Intergenic	NM_001039994	zgc:123105	3.25733105	5.245593641	-1.988262591	0.010734
peak_33207	chr19	25593225	25593615	5905	intron (NM_213181, intron 2 of 4)	NM_213181	ptp4a3	3.931577743	5.919901004	-1.988323261	0.004607
peak_42297	chr5	25059157	25059531	38670	intron (NM_198339, intron 10 of 14)	NM_198339	gria3a	3.742100794	5.730695499	-1.988594705	0.025634
peak_43774	chr24	31606841	31607303	-71783	Intergenic	NM_001013562	ptbp2a	3.073219981	5.061935786	-1.988715805	0.032096
peak_21272	chr18	48289755	48290319	190186	Intergenic	NM_001007334	yif1b	4.168139123	6.15691302	-1.988773897	7.62E-05
peak_16768	chr5	51267892	51268523	-259366	Intergenic	NM_131180	nr2f1a	5.207451528	7.196454687	-1.98900316	6.20E-06
peak_13963	chr20	10292032	10294349	12624	intron (NM_130910, intron 8 of 12)	NM_130910	meis2b	9.053514297	11.04256105	-1.989046754	8.15E-07
peak_28097	chr20	41226234	41226614	425428	Intergenic	NM_001100023	si:dkey-233p4.1	4.012975542	6.002046217	-1.989070675	0.001138
peak_31246	chr9	15039070	15039493	-258215	Intergenic	NM_212966	nrp2b	3.94019709	5.929286124	-1.989089034	0.002805
peak_31788	chr7	70805291	70805816	154161	Intergenic	NM_001100142	phlpp2	4.618300328	6.607558763	-1.989258434	0.003256
peak_22761	chr1	25881338	25882311	-133242	Intergenic	NM_201116	sh3gl2	6.535707841	8.524996564	-1.989288723	0.000151
peak_16476	chr13	53039491	53040290	51792	Intergenic	NM_001135784	nkx6.2	5.965853003	7.955192242	-1.989339239	5.18E-06
peak_15438	chr20	17873470	17874281	87854	Intergenic	NM_131081	cdh2	6.469344993	8.458793577	-1.989448584	2.49E-06
peak_21479	chr13	53827722	53828137	-15756	intron (NM_199954, intron 1 of 2)	NM_200370	zgc:64043	3.890572412	5.88006815	-1.989495738	8.45E-05
peak_34578	chr11	21669603	21669973	-24484	Intergenic	NM_001089549	zgc:162182	3.374565546	5.36414693	-1.989581384	0.006298
peak_15881	chr21	7941135	7941673	-19143	Intergenic	NM_001159586	lhx2a	5.669864721	7.65946285	-1.989598129	3.47E-06
peak_14464	chr3	14454629	14455557	82036	intron (NM_001040248, intron 2 of 10)	NM_001040248	nfixb	6.883875289	8.873613326	-1.989738037	1.23E-06
peak_23445	chr5	48549620	48550254	-146878	Intergenic	NM_199995	cox7c	4.622769162	6.612598237	-1.989829075	0.000201
peak_15177	chr1	12187540	12188871	-32333	Intergenic	NM_001115058	pcdh18a	7.625692476	9.615562772	-1.989870296	2.05E-06
peak_20507	chr5	27115949	27116419	-94488	Intergenic	NM_001082856	rorb	5.332498034	7.322384102	-1.989886067	5.31E-05
peak_21954	chr5	70416583	70417006	-28330	intron (NM_131418, intron 6 of 16)	NM_001089554	si:dkey-251i10.1	5.058665212	7.048657241	-1.989992029	0.000107
peak_23108	chr23	37889256	37889738	-19378	Intergenic	NM_131881	irx7	3.95594936	5.946091664	-1.990142303	0.000177
peak_15184	chr16	10292457	10293058	-328928	Intergenic	NM_001289913	cobl	7.198472034	9.188616668	-1.990144634	2.07E-06
peak_28957	chr10	21985043	21985491	-16778	intron (NM_001020778, intron 1 of 3)	NM_001012656	pcdh1gc5	3.494735408	5.484955431	-1.990220022	0.001492
peak_29095	chr4	11625719	11626073	-54697	Intergenic	NM_001020739	lmo3	3.445014594	5.435327019	-1.990312425	0.001556
peak_34224	chr9	49687317	49687928	60503	intron (NM_001194987, intron 61 of 80)	NM_198069	rdh1	5.483476791	7.473932844	-1.990456053	0.005808
peak_22576	chr23	41805183	41805680	50609	intron (NM_001260501, intron 1 of 18)	NM_001260501	scube3	4.25726398	6.247760022	-1.990496041	0.00014
peak_24195	chr8	9010678	9011164	-2051	Intergenic	NM_001030157	comta	4.332498034	6.323010443	-1.990512408	0.00028
peak_17959	chr10	38474568	38475225	-3338	Intergenic	NM_001077461	cuedc1a	4.870376087	6.860965992	-1.990589905	1.34E-05
peak_25115	chr2	46536461	46536778	-93880	Intergenic	NM_201020_1	gpc1b	3.693448485	5.68423114	-1.990782656	0.000404
peak_28658	chr5	65304202	65304703	72093	Intergenic	NM_212616_1	zgc:85789	4.349916436	6.340847464	-1.990931028	0.001352
peak_20401	chr5	35009639	35010012	52165	intron (NM_001128527, intron 11 of 28)	NM_001014828	ptges	3.924355407	5.915336061	-1.990980654	5.09E-05
peak_21709	chr1	4697916	4698410	-76498	Intergenic	NM_212965	nrp2a	4.519926288	6.511037475	-1.991111188	9.44E-05
peak_35869	chr19	44981470	44981865	37346	Intergenic	NM_001045090	si:ch211-199g17.	3.344452335	5.335621206	-1.991168871	0.00832
peak_23151	chr10	32157813	32158356	29971	intron (NM_153654, intron 1 of 10)	NM_153654	pknox2	4.596602092	6.587847896	-1.991245804	0.00018
peak_27877	chr18	11256785	11257260	243462	Intergenic	NM_001013335	zgc:110789	4.263000995	6.254381404	-1.991380409	0.001057
peak_15352	chr20	17747044	17748033	-38483	Intergenic	NM_131081	cdh2	5.819002087	7.810447763	-1.991445676	2.34E-06
peak_17977	chr1	962362	963002	-15165	Intergenic	NM_001002502	n6amt1	4.940238868	6.931741955	-1.991503088	1.35E-05
peak_26013	chr18	19535846	19536546	-17527	Intergenic	NM_175083	smad3b	4.755185932	6.746840116	-1.991654184	0.000552
peak_28634	chr18	43469429	43469712	-117141	Intergenic	NM_001025169	pex16	3.380911023	5.372662109	-1.991751086	0.001344
peak_18083	chr19	20297283	20297675	-10383	Intergenic	NM_213231	nfe2l3	5.242786959	7.234545439	-1.99175848	1.43E-05
peak_27764	chr20	26277491	26278015	135222	Intergenic	NM_152959	esr1	4.297082589	6.28886883	-1.99178624	0.001019
peak_19269	chr9	37575685	37576265	400722	Intergenic	NM_001003649	ralba	4.066598018	6.058593075	-1.991995056	2.73E-05
peak_31009	chr22	16329560	16329937	17455	intron (NM_001100085, intron 4 of 6)	NM_001100085	dph5	3.708761012	5.700776658	-1.992015646	0.002622
peak_37772	chr17	23214634	23215020	61686	Intergenic	NM_001128712	pcgf5a	1.426730103	3.419050878	-1.992320775	0.012213
peak_31890	chr25	11141097	11141357	-37001	Intergenic	NM_001089325	anpepb	3.217566349	5.209925013	-1.992358664	0.003342

peak_17086	chr3	6289413	6290232	-128158	Intergenic	NM_212977	ddx39b	6.429253749	8.421655499	-1.99240175	7.42E-06
peak_19863	chr3	40544348	40545091	-20155	Intergenic	NM_181601	actb2	6.027937234	8.020355777	-1.992418543	3.80E-05
peak_20744	chr23	7508456	7508906	55316	Intergenic	NM_131235	gata5	5.02187925	7.014344601	-1.992465351	5.97E-05
peak_17877	chr9	19035056	19036226	202059	Intergenic	NM_001003476	dnajc15	5.329188601	7.321720746	-1.992532145	1.26E-05
peak_17899	chr5	37925751	37926912	2520	intron (NM_131805, intron 1 of 4)	NM_131805	efnb1	5.606138542	7.598676786	-1.992538243	1.29E-05
peak_18488	chr5	74825905	74826471	8630	intron (NM_001003993, intron 1 of 6)	NM_001003993	ak1	4.809602052	6.802141143	-1.992539091	1.77E-05
peak_19583	chr16	35066664	35067201	15874	Intergenic	NM_001114427	zgc:172323	4.526618979	6.519162901	-1.992543922	3.25E-05
peak_21025	chr7	34972303	34972906	45669	Intergenic	NM_131780	gro1	5.292569356	7.285215672	-1.992646317	6.80E-05
peak_17345	chr23	6240517	6241160	112391	Intergenic	NM_200558	mybpha	5.598418383	7.591127857	-1.992709474	8.77E-06
peak_29932	chr18	27626045	27626326	-55095	Intergenic	NM_001002439	tspan18b	2.728799148	4.721864519	-1.993065371	0.001984
peak_28142	chr2	47356642	47357034	165785	Intergenic	NM_001145932	acsl3b	3.644959288	5.638104681	-1.993145393	0.001156
peak_18496	chr5	3588318	3588786	2252	intron (NM_001008615, intron 1 of 2)	NM_001008615	hspb1	4.927971095	6.921118357	-1.993147263	1.78E-05
peak_14462	chr9	3413240	3413991	-16461	Intergenic	NM_131311	dlx2a	7.277302387	9.270481736	-1.993179348	1.23E-06
peak_19182	chr13	43500605	43501432	85843	intron (NM_214809, intron 5 of 68)	NM_214809	cdh23	4.792204096	6.785591081	-1.993386985	2.61E-05
peak_21627	chr17	22265492	22266435	54700	intron (NM_001039144, intron 1 of 5)	NM_001039144	slc8a1b	5.822136984	7.815768334	-1.99363135	9.10E-05
peak_26791	chr14	51164359	51164858	1439	intron (NM_001077724_1, intron 1 of 3)	NM_001077724_1	zgc:154054	3.921456318	5.915157375	-1.993701056	0.000726
peak_27972	chr19	3227073	3227363	-96754	Intergenic	NM_001261449	il6	3.378798964	5.37252219	-1.993723226	0.001095
peak_41513	chr13	7308603	7308902	308944	Intergenic	NM_001281798	ninl	2.657209812	4.651023424	-1.993813611	0.022963
peak_39473	chr23	43227333	43228188	43498	Intergenic	NM_001006027	myl9a	4.19853316	6.192471219	-1.993938059	0.016515
peak_28432	chr15	34776784	34777336	227434	Intergenic	NM_001080189_1	zgc:158328	4.408090078	6.402114348	-1.99402427	0.001261
peak_26875	chr13	6595931	6596310	-63613	Intergenic	NM_205675	pitx3	3.823645266	5.817921862	-1.994276596	0.000746
peak_26932	chr9	3702345	3703044	-34337	Intergenic	NM_180973	sp5a	4.331406352	6.325692322	-1.99428597	0.000761
peak_33706	chr20	7145446	7145665	29297	intron (NM_001168349, intron 2 of 5)	NM_001168349	adcy1a	2.075829856	4.070281294	-1.994451438	0.005152
peak_17974	chr8	2123227	2123873	101430	Intergenic	NM_001256256	snap29	5.819780773	7.81441594	-1.994635167	1.35E-05
peak_21557	chr15	46313850	46314842	-10983	Intergenic	NM_001039832_1	lsamp	6.752094037	8.746863908	-1.994769871	8.80E-05
peak_34401	chr2	53842909	53843143	244697	Intergenic	NM_131876	admp	1.44299439	3.438125935	-1.995131545	0.006057
peak_23041	chr14	17001254	17001731	475370	Intergenic	NM_001044746	cnga5	4.59113946	6.586402288	-1.995262828	0.000172
peak_18883	chr15	34891255	34891811	-309401	Intergenic	NM_001017614	rhbdd1	6.297872231	8.293360689	-1.995488457	2.22E-05
peak_21084	chr17	33049001	33049858	19579	intron (NM_131405, intron 3 of 3)	NM_131405	prox1a	5.768176989	7.763887396	-1.995710406	6.99E-05
peak_28236	chr8	34066999	34067348	-64454	Intergenic	NM_001122711	LOC100004439	3.892054049	5.887889048	-1.995834999	0.001186
peak_25038	chr9	27055779	27056464	-32787	Intergenic	NM_001128555	arhgap15	4.797747928	6.793725428	-1.9959775	0.000392
peak_26171	chr18	35380026	35381064	-178431	Intergenic	NM_001044953	qpctla	5.124614504	7.120671781	-1.996057278	0.000584
peak_20222	chr6	13076944	13077700	38908	Intergenic	NM_199949	eef1b2	4.971490612	6.96755381	-1.996063198	4.64E-05
peak_27581	chr16	42648352	42648842	-61366	Intergenic	NM_200216	trmt11	4.100390989	6.096456936	-1.996065947	0.000952
peak_36169	chr7	20722624	20722909	3113	intron (NM_001037559, intron 1 of 9)	NM_001037559	slc7a7	2.430813397	4.427156442	-1.996343046	0.008882
peak_24969	chr18	15342726	15343135	19295	intron (NM_001002574, intron 9 of 9)	NM_001002574	nr1h4	3.64320069	5.63965931	-1.99645862	0.000382
peak_21240	chr11	37866840	37867520	-63222	Intergenic	NM_203484	cacna1da	5.214574373	7.211296018	-1.996721646	7.52E-05
peak_18102	chr18	46336258	46338209	-283265	Intergenic	NM_001037706	smtla	8.660319663	10.65704518	-1.996725513	1.45E-05
peak_24072	chr22	41046741	41047106	39067	intron (NM_001037696, intron 1 of 5)	NM_001037696	wwtr1	3.28916694	5.285944563	-1.996777623	0.000265
peak_32516	chr3	32470570	32470939	-8139	Intergenic	NM_181437	prl	3.632603848	5.629418217	-1.996814369	0.003907
peak_25218	chr6	7496530	7497082	46273	Intergenic	NM_001002070	pa2g4a	5.280109423	7.276984136	-1.996874714	0.000418
peak_40105	chr17	12979981	12980322	17263	Intergenic	NM_001172570	pnn	2.438945476	4.435858767	-1.996913291	0.018333
peak_22910	chr20	28462654	28462933	2317	intron (NM_001111169, intron 1 of 11)	NM_001111169	dpf3	3.583823625	5.580740284	-1.99691666	0.000162
peak_14974	chr23	37856875	37857496	-51690	Intergenic	NM_131881	irx7	6.08099759	8.078118099	-1.997120509	1.76E-06
peak_24580	chr17	18000705	18001458	52957	Intergenic	NM_001099260	bcl11ba	4.746973874	6.744104338	-1.997130464	0.000328
peak_16670	chr2	59966419	59966952	-24025	intron (NM_212882_1, intron 8 of 9)	NR_030000		6.219042795	8.216342453	-1.997299658	5.82E-06
peak_14951	chr16	46068488	46069349	7501	Intergenic	NM_131773	cldn12	7.320395702	9.31774368	-1.997347978	1.74E-06
peak_36497	chr23	23356313	23356581	117112	Intergenic	NM_001003830	noc2l	3.19853316	5.195950805	-1.997417645	0.009536
peak_33231	chr14	27657231	27657585	56509	Intergenic	NM_131041	neurog1	3.275608918	5.273110382	-1.997501464	0.00463
peak_16453	chr17	34385457	34387149	-25172	intron (NM_194363, intron 3 of 14)	NM_199569	eif2s1a	6.650904306	8.648611808	-1.997707501	5.10E-06
peak_22199	chr23	6496483	6497290	76026	intron (NM_001077146, intron 2 of 7)	NM_001077146	bmp7b	4.89131342	6.88906226	-1.99774884	0.000118
peak_20493	chr12	43403344	43403903	-135776	Intergenic	NM_001020516	dpysl4	4.871127539	6.869053156	-1.997925617	5.27E-05
peak_24642	chr13	53052119	53052711	64317	Intergenic	NM_001135784	nkx6.2	4.062656257	6.061234688	-1.998578431	0.000336
peak_26825	chr5	62252952	62253305	-274965	Intergenic	NM_001030174	lig3	3.809602052	5.808218482	-1.998616429	0.000734
peak_20654	chr21	18492688	18493044	16174	intron (NM_182870, intron 1 of 2)	NM_182870	fgf10a	4.216384103	6.215004295	-1.998620193	5.73E-05
peak_14347	chr6	13967885	13968649	-18864	Intergenic	NM_131205	etv5b	7.057694607	9.056452226	-1.99875762	1.10E-06
peak_33038	chr12	38409523	38410108	-19512	Intergenic	NM_001166259	cox10	4.083555619	6.08262989	-1.999074271	0.004433
peak_22018	chr21	28227614	28228114	86200	Intergenic	NM_001003543	zgc:100829	5.048071517	7.047272949	-1.999201432	0.00011
peak_14004	chr7	32909782	32911127	-134518	Intergenic	NM_001199362	cilp	8.049399991	10.04866707	-1.999267079	8.48E-07
peak_24650	chr2	6706271	6706782	2333	intron (NM_001126390, intron 1 of 14)	NM_001126390	si:dkey-60b12.7	4.754371579	6.753681499	-1.99930992	0.000337
peak_28363	chr10	25553222	25553798	-58128	Intergenic	NM_131394	mtnr1bb	4.288041959	6.287365498	-1.999323539	0.001234
peak_41108	chr20	41072303	41072719	271515	Intergenic	NM_001100023	si:dkey-233p4.1	2.459077363	4.458615474	-1.999538111	0.021729
peak_16220	chr16	12235788	12236903	-79132	Intergenic	NM_001195242	g6fl	6.031322327	8.030930785	-1.999608458	4.33E-06
peak_37896	chr20	2028896	2029175	-117453	intron (NM_001278799, intron 34 of 49)	NM_001245964	l3mbtl3	2.862128275	4.861809016	-1.99968074	0.012502
peak_20362	chr12	23635968	23636549	21878	intron (NM_001114552, intron 1 of 3)	NM_001114552	wnt3	4.870376087	6.870246535	-1.999870448	4.99E-05
peak_31336	chr1	19945798	19946114	124072	Intergenic	NM_001102391	npy1r	3.881650491	5.881556644	-1.999906153	0.00287
peak_23140	chr6	14667630	14668049	-182171	Intergenic	NM_201447	pou3f3b	4.251504061	6.251410639	-1.999906579	0.00018
peak_37438	chr23	3049234	3049506	123805	Intergenic	NM_001089467	zgc:158828	3.073219981	5.073264681	-2.0000447	0.011519
peak_21842	chr25	2815886	2816352	-153218	Intergenic	NM_001079965	adpgk	4.36172786	6.362161255	-2.000433395	0.000101
peak_32713	chr16	23213104	23213525	-90869	Intergenic	NM_001110396	snx10b	3.555944961	5.556505359	-2.000560398	0.004105
peak_35711	chr1	59234943	59235226	6825	intron (NM_001077248, intron 4 of 12)	NM_001077248	slc27a1b	3.307048351	5.307626572	-2.000578221	0.008045
peak_42385	chr4	54548340	54548947	-948995	Intergenic	NM_001109740	zgc:173619	2.200926086	4.201535797	-2.000609711	0.02597
peak_21609	chr5	41220897	41221214	51800	intron (NM_001115124, intron 3 of 5)	NM_001115124	si:ch211-57h10.1	3.803316476	5.804105144	-2.000788668	9.05E-05
peak_14543	chr9	15182032	15182824	-401362	Intergenic	NM_212966	nrp2b	6.996368324	8.997278907	-2.000910582	1.29E-06
peak_25303	chr16	47542060	47542659	28953	Intergenic	NM_001007425	zgc:101716	3.544684847	5.545597697	-2.00091285	0.000433
peak_12857	chr23	19040172	19042847	-65226	Intergenic	NM_001007446	nsfl1c	8.905959511	10.90689848	-2.000938968	3.03E-07
peak_20053	chr5	30168833	30169231	22780	intron (NM_001089574, intron 6 of 9)	NM_001089574	zgc:162952	4.06133994	6.062384738	-2.001044799	4.25E-05
peak_22282	chr10	21256757	21257092	186352	Intergenic	NM_001201442	avd	3.284661742	5.285825713	-2.001163971	0.000124
peak_25933	chr19	509575	510553	-68108	Intergenic	NM_200674	dus3l	5.385095197	7.386262227	-2.001167031	0.000538
peak_38202	chr2	21905514	21905755	43680	Intergenic	NM_201173	cyp7a1a	2.912638768	4.913816541	-2.001177773	0.013285
peak_15675	chr11	11848806	11849709	8271	intron (NM_131177, intron 1 of 15)	NM_131177	jupa	5.943457799	7.944638191	-2.001180392	3.00E-06
peak_22728	chr13	17543369	17543708	26099	Intergenic	NM_198840	znf503	4.534285299	6.535472429	-2.00118713	0.00015
peak_14250	chr20	32484915	32485938	-149	promoter-TSS (NM_001003608)	NM_001003608	nr2e1	6.801914857	8.803265385	-2.001350527	1.02E-06
peak_20294	chr13	50433121	50433813	-10547	Intergenic	NM_199981	irf2bp2a	5.941649522	7.943025401	-2.001375879	4.81E-05
peak_27160	chr17	13438663	13439066	475976	Intergenic	NM_001172570	pnn	3.387228713	5.388666841	-2.001438129	0.000821
peak_23982	chr23	4925009	4925393	-14363	intron (NM_181498_1, intron 5 of 5)	NM_001045287	slc6a1a	4.555009968	6.55645185	-2.001441883	0.000255
peak_17720	chr10	28265369	28265940	445143	Intergenic	NM_001020542	ints2	4.665081128	6.66655596	-2.001474832	1.14E-05
peak_39079	chr22	21718672	21719210	-2421	Intergenic	NM_001045077	shdb	3.188780911	5.190362779	-2.001581868	0.015464
peak_38707	chr8	33546786	33547198	106264	Intergenic	NM_001123324	zgc:194839	2.812734601	4.814535871	-2.00180127	0.014472
peak_24416	chr20	52355171	52355673	183512	Intergenic	NM_212701	hlx1	4.802482887	6.804489391	-2.002006503	0.000306
peak_26958	chr18	29124547	29124986	-227443	Intergenic	NM_131844	maf	4.429793656	6.431857047	-2.002063391	0.000767
peak_26144	chr23	22012062	22012607	54450	Intergenic	NM_001003477	dhrs3a	4.759203456	6.761279029	-2.002075573	0.000579
peak_25039	chr7	70030610	70031995	-147045	Intergenic	NM_205546	hnf4b	5.597991006	7.600101093	-2.002110087	0.000392
peak_23682	chr5	46599641	46599997	-19360	intron (NM_205628, intron 4 of 4)	NM_001005779	dmrt3a	3.548447992	5.550680429	-2.002232437	0.000223
peak_16745	chr18	47981285	47982259	-118079	Intergenic	NM_001007334	yif1b	6.161397164	8.163794387	-2.002397223	6.10E-06
peak_18064	chr9	24018383	24018919	-17902	Intergenic	NM_001002162	eaf2	5.015736251	7.018214282	-2.002478031	1.41E-05
peak_17060	chr7	48376742	48378251	13329	intron (NM_001195407, intron 1 of 1)	NM_001195407	tshz3b	6.230231765	8.232714494	-2.002482729	7.28E-06
peak_15244	chr23	44299235	44300474	-8578	intron (NM_214728, intron 2 of 19)	NM_001114743_1	tec	5.987192641	7.98970777	-2.002515129	2.17E-06
peak_18489	chr23	19852590	19853138	-80	promoter-TSS (NM_001201403)	NM_001201403	si:ch211-222g5.3	5.426159218	7.428855474	-2.002696256	1.77E-05
peak_15063	chr16	52832957	52833911	217197	Intergenic	NM_001201489	efhb	6.537115171	8.539931368	-2.002816198	1.90E-06
peak_25421	chr17	41987228	41988062	-120251	Intergenic	NM_001098390	zgc:162576	5.168750469	7.171588519	-2.002838051	0.000452
peak_13382	chr1	12157395	12159688	-2669	Intergenic	NM_001115058	pcdh18a	8.241189312	10.24403164	-2.002842331	5.05E-07
peak_28594	chr10	27892944	27893224	161471	Intergenic	NM_152948	cxadr	3.355234589	5.35814564	-2.002911051	0.001328
peak_15066	chr5	46097082	46098057	17818	Intergenic	NM_001111220	gas1a	7.318322822	9.321299932	-2.00297711	1.90E-06
peak_23818	chr22	22159952	22160333	7092	intron (NM_200423, intron 1 of 6)	NM_200423	aes	4.054740277	6.057741396	-2.003001119	0.000239

peak_29901	chr1	15348168	15348627	-14843	Intergenic	NM_001115123	pcm1	3.857496901	5.860507055	-2.003010155	0.001968
peak_36859	chr8	50426335	50426700	-335740	Intergenic	NM_001128741	zgc:195023	2.447031973	4.45009326	-2.003061287	0.010266
peak_38824	chr16	26318837	26319114	55834	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	3.782697136	5.785780227	-2.003083091	0.014816
peak_25891	chr19	18968342	18968888	-7685	Intergenic	NM_001089367	smarcc1b	4.536126429	6.539259376	-2.003132948	0.000531
peak_42733	chr19	23170379	23170681	-22126	Intergenic	NM_001044951	eif3eb	3.473119882	5.476294602	-2.003174719	0.027409
peak_15975	chr20	3600720	3601530	223032	Intergenic	NM_001089520	zgc:162161	7.336584502	9.339773946	-2.003189443	3.71E-06
peak_23977	chr19	46870413	46870846	3898	intron (NM_001083814, intron 1 of 26)	NM_001083814	ptpro	3.965832482	5.969028995	-2.003196513	0.000255
peak_25986	chr19	16704910	16705964	12868	intron (NM_001045114, intron 3 of 3)	NM_001045114	si:ch211-30b16.2	5.41795454	7.421161009	-2.003206469	0.000548
peak_25272	chr13	37100426	37100828	4393	intron (NM_001003773, intron 3 of 9)	NM_001003773	cdkl1	3.803316476	5.806656956	-2.00334048	0.000428
peak_20790	chr15	35917620	35918087	25822	exon (NM_001040687, exon 2 of 30)	NM_001040687	nphs1	4.928693146	6.932066133	-2.003372987	6.08E-05
peak_25619	chr3	25727191	25727483	-135100	Intergenic	NM_213035	grb2b	3.174240955	5.177700496	-2.003459541	0.000484
peak_15464	chr7	17967996	17968509	-36268	intron (NM_001017655, intron 13 of 15)	NM_001009557	slc6a5	5.583796882	7.587425698	-2.003628816	2.54E-06
peak_19777	chr24	41914663	41915405	-332656	Intergenic	NM_001077598	aoc1	6.227886996	8.231619191	-2.003732195	3.60E-05
peak_25659	chr17	38574771	38575043	111507	Intergenic	NM_001256179	mbip	3.149677235	5.153438663	-2.003761428	0.000488
peak_40307	chr9	14992147	14992436	-211225	Intergenic	NM_212966	nrp2b	2.784293744	4.788055344	-2.003761599	0.018958
peak_21329	chr13	44115513	44115887	86240	Intergenic	NM_001077794	dact2	4.058703696	6.062765605	-2.004061909	7.83E-05
peak_32619	chr9	51953620	51953920	168291	intron (NM_001020575, intron 1 of 1)	NM_001020575	fign	3.327031342	5.331180006	-2.004148664	0.003997
peak_21139	chr11	16343365	16343900	28064	intron (NM_001033727, intron 1 of 6)	NM_001033727	draxin	4.850655209	6.855014413	-2.004359204	7.18E-05
peak_16925	chr5	5099473	5100188	21108	intron (NM_001025168, intron 2 of 8)	NM_001025168	lmx1ba	6.199976864	8.204550671	-2.004573807	6.77E-06
peak_28155	chr9	26646722	26647020	-162307	Intergenic	NM_001135104	zeb2a	3.271061115	5.275660427	-2.004599312	0.00116
peak_24534	chr7	25903207	25903471	-16593	Intergenic	NM_213433	cmtr2	3.484950298	5.489569597	-2.004619299	0.000321
peak_18704	chr5	1922681	1923095	23700	Intergenic	NR_039163		4.569951633	6.574616675	-2.004665042	2.00E-05
peak_21311	chr2	59949713	59950149	-7271	intron (NM_212882_1, intron 8 of 9)	NR_030000		5.822913981	7.82769703	-2.00478305	7.77E-05
peak_23357	chr23	34554376	34554865	195648	Intergenic	NM_001005584	chchd6a	5.295898468	7.30074747	-2.004849001	0.000194
peak_38723	chr2	59678551	59679084	-2762	intron (NM_212882_1, intron 7 of 9)	NM_200714	ndufa13	1.632603848	3.637572326	-2.004968478	0.01452
peak_31332	chr11	16940988	16941473	-18150	Intergenic	NM_001110030	kbtbd8	4.757626237	6.763025418	-2.005399181	0.002869
peak_31364	chr4	5566603	5566948	-2269	Intergenic	NM_001089378	tmem63a	3.275608918	5.28102231	-2.005413392	0.002892
peak_38913	chr20	2675253	2675839	4038	exon (NM_001123305, exon 3 of 3)	NM_001123305	zgc:101562	3.772986383	5.7784383	-2.005451918	0.015021
peak_25719	chr18	23902162	23902438	-243235	Intergenic	NM_131183	nr2f2	3.733765494	5.739438849	-2.005673355	0.000499
peak_20593	chr13	53311742	53312137	11442	intron (NM_200969, intron 2 of 5)	NM_200969	sncb	4.281273587	6.286948578	-2.005674992	5.57E-05
peak_22206	chr8	23629859	23630252	-154351	Intergenic	NM_001143977	sypa	3.727139892	5.732982228	-2.005842336	0.000119
peak_39606	chr9	4305794	4306201	-309667	Intergenic	NM_001020664	rprma	2.075829856	4.081709178	-2.005879322	0.016887
peak_20959	chr12	27024285	27024968	64253	Intergenic	NM_001007313	ppm1bb	6.407328308	8.413433016	-2.006104708	6.56E-05
peak_22103	chr15	38313739	38314061	-100247	Intergenic	NM_131633	robo2	4.022555809	6.028694824	-2.006139015	0.000114
peak_14689	chr6	56849807	56851280	575996	Intergenic	NM_001002869	ddx27	7.50337152	9.509573154	-2.006201634	1.45E-06
peak_14847	chr16	9027136	9027806	104281	Intergenic	NM_001077532	cnot10	6.117628607	8.123831123	-2.006202516	1.62E-06
peak_18972	chr19	1876606	1877331	9967	intron (NM_198819, intron 1 of 28)	NM_198819	ptk2aa	5.956636895	7.963093006	-2.006456111	2.34E-05
peak_13707	chr19	21867510	21868794	-22854	Intergenic	NM_001042746	tshz1	7.526155875	9.532707446	-2.006551571	6.61E-07
peak_39381	chr25	19947983	19948408	-14702	Intergenic	NM_001017570	cart2	0.95594936	2.962662649	-2.006713289	0.016276
peak_27886	chr25	9127587	9128157	17312	intron (NM_001045109, intron 2 of 15)	NM_001045109	furinb	4.48887231	6.49561513	-2.00674282	0.001061
peak_23412	chr9	21706069	21706444	-108188	intron (NM_001256622, intron 4 of 13)	NM_200507	fam46c	4.390377213	6.397341271	-2.006964058	0.000199
peak_18546	chr20	30104794	30105422	-43908	Intergenic	NM_131337	sox11b	5.623215285	7.630285543	-2.007070258	1.82E-05
peak_14027	chr9	50735034	50736274	-166962	Intergenic	NM_200132	scn1a	7.065613587	9.072743578	-2.007129991	8.61E-07
peak_24208	chr2	34495222	34495606	-342046	Intergenic	NM_001089542	rfwd2	3.822091642	5.829250884	-2.007159241	0.000282
peak_18207	chr10	2460832	2461287	-147858	Intergenic	NM_001008630	nxnl2	4.724647426	6.731816498	-2.007169072	1.53E-05
peak_19090	chr1	8558961	8559443	2821	intron (NM_001199364, intron 2 of 9)	NM_001199364	micall2b	5.031322327	7.038508346	-2.007186019	2.49E-05
peak_28926	chr23	25004867	25005368	12354	intron (NM_001080078, intron 1 of 7)	NM_001080078	fam132a	5.137788458	7.145104297	-2.007315839	0.00148
peak_34207	chr20	51191511	51192296	7699	intron (NM_001172400, intron 1 of 24)	NM_001172400	gphnb	4.277877455	6.285234798	-2.007357343	0.005784
peak_14196	chr15	16989519	16990416	69174	Intergenic	NM_201993	arcn1b	7.6793533	9.686727642	-2.007374342	9.82E-07
peak_23845	chr10	35638644	35638990	-74473	Intergenic	NM_001013500	nbeaa	3.555944961	5.563341028	-2.007396067	0.000241
peak_30320	chr21	15284690	15285027	-206868	Intergenic	NM_001166121	aqp3b	2.548447992	4.555874251	-2.007426259	0.002208
peak_16350	chr22	4220945	4221497	-63254	Intergenic	NM_153670	cers4a	5.878642414	7.886103255	-2.00746084	4.74E-06
peak_20295	chr13	21319421	21319949	470901	Intergenic	NM_001045412	tspan14	4.387228713	6.394735177	-2.007506464	4.82E-05
peak_27148	chr25	17503168	17503630	-97933	Intergenic	NM_001202419	kdm7ab	4.205630551	6.21326401	-2.007633459	0.000818
peak_26610	chr5	34504155	34504854	3901	intron (NM_201584, intron 5 of 6)	NM_201584	rpl12	4.236351702	6.244102054	-2.007750353	0.000678
peak_28065	chr1	25077078	25077599	83726	Intergenic	NM_200554	mtap	3.667729028	5.675792895	-2.008063867	0.001125
peak_15719	chr14	26900688	26901236	43758	intron (NM_131402, intron 8 of 8)	NM_199956	g3bp1	5.592507058	7.600749405	-2.008242347	3.10E-06
peak_41318	chr20	24095122	24095516	69541	Intergenic	NM_001020750	map3k7	3.567226082	5.575606791	-2.008380709	0.022357
peak_29938	chr10	45288707	45289168	-10349	Intergenic	NM_200592	nr2f1b	4.984784704	6.993425169	-2.008640466	0.001987
peak_25284	chr18	3188177	3188581	602802	Intergenic	NM_001045470	fam168a	3.605660766	5.614313494	-2.008652728	0.00043
peak_26568	chr5	55122013	55122597	18608	intron (NM_001020519, intron 6 of 10)	NM_001162488	pmchl	5.343911102	7.352615785	-2.008704684	0.000667
peak_41559	chr3	7779425	7779797	-58179	Intergenic	NM_001105127	zgc:173577	3.494735408	5.503623751	-2.008888343	0.02316
peak_24022	chr10	45411643	45412218	54238	Intergenic	NM_001003782	sept5b	5.4695931	7.478650631	-2.009057531	0.000259
peak_28700	chr3	24089082	24089420	29075	Intergenic	NM_131115	hoxb1a	3.905320753	5.914422606	-2.009101853	0.001368
peak_20153	chr8	27494908	27495580	-33042	Intergenic	NM_001128346	si:ch211-106g4.2	4.981964068	6.991072023	-2.009107955	4.47E-05
peak_17958	chr6	47369107	47369877	-39424	Intergenic	NR_030036		5.869624243	7.878851379	-2.009227136	1.33E-05
peak_28705	chr2	32872314	32872816	-34938	Intergenic	NM_001076570	rnf220a	4.384011897	6.393478681	-2.009466784	0.00137
peak_29676	chr24	28474745	28475182	56222	intron (NM_131095, intron 3 of 16)	NM_131095	ek1	3.960193277	5.969696236	-2.009502959	0.001849
peak_38771	chr17	14392030	14392355	-65585	Intergenic	NM_200482	jkamp	3.47113868	5.480770804	-2.009632124	0.014666
peak_21992	chr1	21635177	21635798	9647	intron (NM_212731, intron 2 of 7)	NM_212731	gtf2e2	5.367597506	7.377246342	-2.009648837	0.000109
peak_16798	chr12	45575429	45576422	32701	intron (NM_001110011, intron 1 of 20)	NM_001110011	dock1	6.661393404	8.671090208	-2.009696804	6.31E-06
peak_34619	chr13	769499	769778	-14380	Intergenic	NM_001142266	pcsk2	3.298135349	5.307915852	-2.009780502	0.00634
peak_23691	chr19	5342982	5343613	46800	intron (NM_001128549, intron 1 of 1)	NM_001128549	LOC799704	5.049399991	7.059192469	-2.009792478	0.000224
peak_25172	chr8	6539841	6540331	599940	Intergenic	NM_001082937	or129-1	3.761684263	5.771522639	-2.009838376	0.000413
peak_21170	chr5	50150045	50150694	-107433	Intergenic	NM_001130962	mef2cb	5.502030931	7.511914667	-2.009883736	7.33E-05
peak_26403	chr7	50927700	50928081	180300	Intergenic	NM_001020629	hrasb	3.282403856	5.292380495	-2.009976638	0.000632
peak_21670	chr1	3685542	3686343	-487307	Intergenic	NM_001003842	spry2	5.482464927	7.49245654	-2.009991613	9.27E-05
peak_19322	chr8	45789263	45789994	16218	Intergenic	NM_131706	mhc2dcb	5.116361525	7.126529712	-2.010168187	2.81E-05
peak_17971	chr24	39545363	39545906	40760	Intergenic	NM_001025297	crp2	5.580584442	7.590805346	-2.010220904	1.34E-05
peak_28638	chr24	8517531	8518029	12834	Intergenic	NM_176859	tfap2a	4.117032164	6.12740229	-2.010370125	0.001345
peak_37977	chr6	9019937	9020296	-39316	Intergenic	NM_001004584	sdprb	3.517952391	5.528474759	-2.010522368	0.012703
peak_23793	chr7	20047803	20048120	48101	intron (NM_001017819, intron 2 of 12)	NM_001017819	mllt3	3.217566349	5.228331631	-2.010765282	0.000236
peak_18872	chr20	30888903	30889858	37475	Intergenic	NM_200198	hebp2	7.560425488	9.571396387	-2.010970899	2.21E-05
peak_16115	chr10	39750836	39751868	-32458	Intergenic	NM_001006039	samsn1b	6.905557649	8.916529606	-2.010971957	4.04E-06
peak_41390	chr3	56780680	56781009	-161734	Intergenic	NM_001115092	stk19	0.95594936	2.966937822	-2.010988462	0.022602
peak_24453	chr7	57097884	57098472	201432	Intergenic	NM_001003506	trappc2l	4.556933841	6.567927406	-2.010993565	0.00031
peak_13780	chr3	38686915	38688251	223197	Intergenic	NM_001045132	si:dkey-106c17.2	8.404227982	10.41539983	-2.011171846	6.97E-07
peak_31983	chr13	40335695	40336142	55117	intron (NM_001128272, intron 2 of 4)	NM_001128272	zgc:171482	3.865148941	5.876322449	-2.011173507	0.003416
peak_22505	chr14	3844288	3844696	-276710	Intergenic	NM_001098776	lrp2bp	4.983354802	6.994540097	-2.011185295	0.000135
peak_38380	chr11	21617879	21618218	-23430	Intergenic	NM_200419	tpst2	3.006230172	5.017708985	-2.011478813	0.013748
peak_32375	chr16	6246141	6246481	-15658	intron (NM_001080653, intron 8 of 10)	NM_200320	cog6	3.676353226	5.687862704	-2.011509478	0.003761
peak_23559	chr5	53604974	53605310	2792	intron (NM_001017562, intron 1 of 2)	NM_001017562	lhfpl2b	4.132157201	6.143737914	-2.011580713	0.000212
peak_20833	chr8	44261133	44261514	17651	intron (NM_001017996, intron 2 of 8)	NM_001017996	gfra2a	4.169361555	6.180963067	-2.011601511	6.21E-05
peak_19057	chr9	7898982	7899674	133660	Intergenic	NM_001009886	mnx2a	4.937371553	6.948996415	-2.011624862	2.46E-05
peak_15589	chr24	7536137	7537180	-101341	Intergenic	NM_001089556	actr3b	6.483693816	8.495359242	-2.011665426	2.77E-06
peak_28541	chr18	23261841	23262180	287429	Intergenic	NM_131301	mef2aa	4.176745403	6.188515486	-2.011770084	0.001306
peak_26854	chr13	44270480	44270731	1664	intron (NM_001160346, intron 1 of 6)	NM_001160346	zfyve21	3.027956891	5.039801931	-2.01184504	0.000743
peak_23018	chr18	24583459	24583840	-119660	Intergenic	NM_001045011	rgma	4.692648116	6.70459829	-2.011950174	0.000171
peak_16346	chr16	329615	330419	-23001	Intergenic	NM_199959	nrsn1	5.958426495	7.97041612	-2.011989625	4.74E-06
peak_15170	chr1	47724936	47726586	50125	Intergenic	NM_001003579	morc3b	8.484437809	10.49642876	-2.011990951	2.04E-06
peak_26607	chr8	45242926	45243501	-44296	Intergenic	NM_001037705	ccdc92	4.075753794	6.087783012	-2.012029218	0.000677
peak_21318	chr9	7746664	7747157	-18758	Intergenic	NM_001009886	mnx2a	4.582906532	6.595349685	-2.012443153	7.79E-05
peak_21205	chr13	11649465	11650166	-9489	Intergenic	NM_001278854	trim8a	5.594783512	7.607651413	-2.012867901	7.42E-05
peak_24489	chr1	5685735	5686056	-9058	Intergenic	NM_001143751	erbb4a	3.975648359	5.988733258	-2.013084898	0.000314
peak_17436	chr3	49524131	49524720	-105749	Intergenic	NM_001017786	znf750	4.592051336	6.605238498	-2.013187162	9.32E-06

peak_39419	chr18	37678425	37678787	-55059	Intergenic	NM_001045552	mapk6	3.293658114	5.3068537	-2.013195586	0.016366
peak_26961	chr6	13677934	13678287	16125	Intergenic	NM_001002049	cryba2a	3.234016866	5.247224605	-2.013207739	0.000768
peak_35028	chr13	30070459	30070936	76136	Intergenic	NM_131184	pax2a	3.50251599	5.515792143	-2.013276152	0.006911
peak_22077	chr23	2621442	2621896	-94669	Intergenic	NM_130989	snai1b	3.993783045	6.007296501	-2.013513456	0.000112
peak_18540	chr14	33581977	33582655	-37005	Intergenic	NM_001039135	inppl1b	4.790616223	6.80420586	-2.013589637	1.82E-05
peak_41652	chr13	2841484	2841774	2846	intron (NM_001161598, intron 1 of 6)	NM_001161598	si:ch211-239i4.3	3.19853316	5.212126921	-2.013593761	0.023456
peak_15761	chr8	17337372	17338403	60173	Intergenic	NM_199875	elovl7a	5.963368041	7.976969518	-2.013601477	3.20E-06
peak_19733	chr8	21731665	21732203	-1613	Intergenic	NM_131292	col2a1a	5.2920083	7.305651949	-2.01364365	3.52E-05
peak_17680	chr5	19266757	19268017	-291600	Intergenic	NM_001100015	chfr	6.376902072	8.390972163	-2.014070091	1.11E-05
peak_36646	chr1	35160281	35160562	-43031	Intergenic	NM_213357	gab1	2.31603542	4.330138644	-2.014103224	0.009825
peak_23117	chr19	9492151	9493132	10570	intron (NM_131494, intron 3 of 13)	NM_131494	celf3a	5.617404898	7.631780027	-2.014375129	0.000178
peak_16553	chr17	21795078	21796006	45124	Intergenic	NM_200349	slc22a7b	6.213982144	8.228415505	-2.014433361	5.43E-06
peak_23877	chr16	54127053	54127455	163532	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	4.690946732	6.705512534	-2.014565802	0.000245
peak_15608	chr15	13302633	13303251	159655	Intergenic	NM_199847	fxyd6	5.714191115	7.728765969	-2.014574854	2.81E-06
peak_30189	chr9	43621166	43621573	-58830	Intergenic	NM_001007182	gulp1a	3.162011373	5.176646858	-2.014635485	0.00214
peak_23141	chr7	48878805	48879481	-488318	Intergenic	NM_001195407	tshz3b	5.119527147	7.134184558	-2.014657412	0.00018
peak_21132	chr13	52937744	52938782	-2625	Intergenic	NM_131586	valopa	5.385095197	7.399905719	-2.014810522	7.16E-05
peak_13678	chr5	5058479	5059362	62018	intron (NM_001025168, intron 2 of 8)	NM_001025168	lmx1ba	6.787236179	8.80251298	-2.0152768	6.44E-07
peak_24690	chr23	41026188	41026644	142994	Intergenic	NM_001139458	si:dkey-194e6.1	4.118298658	6.133643194	-2.015344535	0.000344
peak_17204	chr8	16544580	16545413	8	promoter-TSS (NM_131453)	NM_131453	elavl4	6.526394403	8.541826292	-2.015431889	8.00E-06
peak_24207	chr21	4852782	4853185	-55106	intron (NM_131441, intron 3 of 22)	NM_001110484	dolk	4.33794409	6.353786697	-2.015842607	0.000282
peak_25314	chr1	39261877	39262341	8616	intron (NM_205734, intron 1 of 6)	NM_205734	vegfc	4.382958521	6.398880787	-2.015922265	0.000435
peak_22171	chr13	5734352	5734717	24784	Intergenic	NM_130955	dld	3.927248682	5.943941062	-2.016692381	0.000117
peak_36390	chr11	1599677	1600256	55423	intron (NM_212882_3, intron 1 of 8)	NM_212882_3		3.945998068	5.962852661	-2.016854593	0.009302
peak_16178	chr24	20278992	20279928	-11956	Intergenic	NM_199619	csrnp1b	7.043392755	9.060291003	-2.016898248	4.22E-06
peak_27700	chr5	40467504	40467960	-19224	Intergenic	NM_001130840	fras1	3.934456584	5.951443311	-2.016986727	0.000991
peak_33257	chr11	5197698	5198049	-355137	Intergenic	NM_201450	cse1l	2.961605146	4.978635334	-2.017030188	0.004655
peak_17346	chr6	39312131	39313044	21264	Intergenic	NM_200568	zgc:77517	5.988232044	8.005401689	-2.017169645	8.79E-06
peak_22830	chr16	52586089	52586637	464268	Intergenic	NM_001201489	efhb	4.124614504	6.141852254	-2.01723775	0.000156
peak_42590	chr4	46643354	46643731	-110252	Intergenic	NM_001113606	zgc:173720	1.44299439	3.460247136	-2.017252746	0.026827
peak_36284	chr18	14780508	14781188	11778	Intergenic	NM_001082951	si:ch73-62b13.1	4.556879349	6.574194803	-2.017315454	0.009093
peak_26148	chr20	28329767	28330198	33440	intron (NM_001045119, intron 26 of 35)	NM_001110126	chac1	3.630830115	5.64827053	-2.017440414	0.000579
peak_14113	chr10	10803056	10803789	26410	Intergenic	NM_181495	nrarpa	7.924632177	9.942096517	-2.01746434	9.24E-07
peak_24591	chr15	33322559	33323122	44292	intron (NM_001137661, intron 2 of 23)	NM_001137661	frem2b	4.000666855	6.018383618	-2.017716763	0.000329
peak_30729	chr15	4293975	4294224	-13318	intron (NM_198208, intron 10 of 13)	NM_131670	atp1b3b	2.95594936	4.973942046	-2.017992685	0.002444
peak_24345	chr3	34437530	34438212	118518	Intergenic	NM_213197	znf207a	4.594783512	6.61284447	-2.018060958	0.000298
peak_22061	chr6	56861009	56861428	565321	Intergenic	NM_001002869	ddx27	4.215200887	6.233298327	-2.01809744	0.000112
peak_29764	chr9	56678770	56679021	23466	Intergenic	NM_001045466	rab9a	2.803316476	4.821455032	-2.018138557	0.001897
peak_14028	chr6	14831686	14832715	-17810	Intergenic	NM_201447	pou3f3b	7.20730276	9.225494325	-2.018191565	8.65E-07
peak_25500	chr3	2538179	2538689	-13202	Intergenic	NM_131875	sox10	4.300433863	6.318707224	-2.018273362	0.000463
peak_22339	chr5	46321678	46322071	47400	intron (NM_001099990, intron 1 of 24)	NM_001099990	dapk1	4.675493122	6.693790762	-2.01829764	0.000127
peak_19884	chr1	39827943	39828979	78057	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	5.618300328	7.636644369	-2.018344041	3.84E-05
peak_18174	chr8	45163973	45164343	34759	intron (NM_001037705, intron 1 of 3)	NM_001037705	ccdc92	4.544684847	6.563220455	-2.018535608	1.51E-05
peak_21969	chr8	30024190	30024579	275653	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	4.284661742	6.303307558	-2.018645816	0.000107
peak_25533	chr19	33059245	33059540	-11719	Intergenic	NM_212561	hey1	3.772986383	5.791647128	-2.018660745	0.000469
peak_39942	chr1	29889259	29890300	110061	Intergenic	NM_001007450	bora	0.944570835	2.963271195	-2.01870036	0.017866
peak_23659	chr5	5077765	5078436	42838	intron (NM_001025168, intron 2 of 8)	NM_001025168	lmx1ba	5.251470391	7.270200993	-2.018730602	0.000221
peak_27895	chr10	39475369	39475842	-36695	Intergenic	NR_030051		3.815860363	5.834640148	-2.018779785	0.001064
peak_40296	chr11	13751403	13751776	37635	Intergenic	NM_199939	arrdc2	3.875584362	5.894549411	-2.018965049	0.018925
peak_17457	chr10	40942771	40943479	-257872	Intergenic	NM_001037674	smtlb	5.327547004	7.346533138	-2.018986134	9.46E-06
peak_26494	chr2	43562684	43562989	-7523	Intergenic	NM_205674	nrp1b	3.215200887	5.234379461	-2.019178574	0.000652
peak_38352	chr7	68926148	68926543	186966	Intergenic	NM_200672	swap70a	3.795328417	5.814551689	-2.019223272	0.01366
peak_14406	chr5	16332880	16333434	-45013	Intergenic	NM_001128246	sc:d411	6.107442047	8.126673243	-2.019231196	1.16E-06
peak_27592	chr6	17503786	17504337	-494757	Intergenic	NM_131029	ntn1a	2.346615242	4.366027382	-2.019412139	0.000955
peak_34392	chr3	35539095	35539462	47835	Intergenic	NM_001193674	rbbp6	3.746926107	5.766412837	-2.019486729	0.00604
peak_20712	chr5	75408204	75409048	-8089	Intergenic	NM_001101670	tbx3a	6.602270425	8.621761013	-2.019490588	5.88E-05
peak_13746	chr7	19798172	19799384	17132	intron (NM_001127308, intron 3 of 8)	NM_001127308	dtx1	8.531285956	10.55082315	-2.01953719	6.80E-07
peak_40114	chr18	30294915	30295296	-90913	Intergenic	NM_001080807	gse1	2.834474036	4.854534577	-2.020060541	0.018356
peak_15319	chr13	23879701	23880820	33024	Intergenic	NM_001045279	crfb9	6.777626177	8.797741839	-2.020115662	2.30E-06
peak_21422	chr7	64216655	64216962	1075174	Intergenic	NM_131287	sox17	4.259561525	6.279709325	-2.020147801	8.22E-05
peak_37093	chr18	48166522	48167533	67176	Intergenic	NM_001007334	yif1b	5.068526646	7.088716531	-2.020189886	0.010759
peak_17462	chr17	17803016	17804278	18431	intron (NM_001045384, intron 1 of 6)	NM_001045384	ccdc85ca	7.344881797	9.36527458	-2.020392783	9.50E-06
peak_24542	chr10	43768560	43768963	28865	Intergenic	NM_001002163	zgc:86599	4.071837003	6.092267106	-2.020430102	0.000323
peak_14560	chr19	26115856	26116751	-18984	Intergenic	NM_001256391	tac1	6.549166186	8.569635163	-2.020468977	1.30E-06
peak_16672	chr10	20223399	20224585	9905	intron (NM_001080594, intron 1 of 13)	NM_001080594	ppp3ccb	7.066598018	9.087380779	-2.02078276	5.82E-06
peak_29347	chr18	45060307	45060777	32946	intron (NM_001013504, intron 2 of 2)	NM_001013504	pid1	3.327031342	5.347956205	-2.020924863	0.001683
peak_36403	chr8	27986622	27988144	-172701	Intergenic	NM_200085	slc16a1	1.639677051	3.660732624	-2.021055573	0.009331
peak_18683	chr2	18707600	18708072	-48971	Intergenic	NR_030086		4.306002077	6.327244154	-2.021242076	1.97E-05
peak_28976	chr14	39911415	39911773	-132792	Intergenic	NM_001099453	rnasel3	3.346615242	5.368099056	-2.021483814	0.0015
peak_31172	chr6	256127	256538	11833	intron (NM_214746, intron 1 of 10)	NM_214746	rbfox2	3.226989601	5.24877919	-2.021789589	0.002735
peak_23829	chr18	5346934	5347458	-109592	Intergenic	NM_001013457	gcsha	5.102349671	7.124301378	-2.021951707	0.00024
peak_21746	chr19	30229873	30230319	29715	Intergenic	NM_001102573	ctgfb	4.48887231	6.511060042	-2.022187732	9.64E-05
peak_42823	chr9	29446636	29446994	-14436	Intergenic	NM_001044766	klf7b	3.25733105	5.279538736	-2.022207686	0.027795
peak_36916	chr24	43776947	43777515	6385	intron (NM_001001838, intron 5 of 6)	NM_001001838	top1mt	2.912638768	4.934868813	-2.022230046	0.010375
peak_29636	chr23	28433252	28433560	-49509	Intergenic	NM_001256389	tac3a	3.746926107	5.769552918	-2.022626811	0.001824
peak_20811	chr7	74985537	74986609	135869	Intergenic	NM_001039641	lgi2a	5.952006669	7.974644432	-2.022637763	6.14E-05
peak_33547	chr7	77323	77660	-22587	Intergenic	NM_001079984	nrxn2b	2.42263522	4.4452806	-2.022645381	0.004965
peak_14414	chr5	19294228	19295332	-264207	Intergenic	NM_001100015	chfr	6.232280317	8.255009315	-2.022728998	1.17E-06
peak_26372	chr23	10046452	10046798	72246	Intergenic	NM_001037408	slc16a7	3.500574775	5.523342827	-2.022768052	0.000626
peak_20231	chr13	27011324	27012114	11357	intron (NM_201170, intron 7 of 13)	NM_201170	vrk2	5.550822344	7.573748056	-2.022925712	4.66E-05
peak_24716	chr17	10723929	10724305	-24832	Intergenic	NM_214693	lgals3l	4.427692414	6.450800496	-2.023108083	0.000347
peak_23070	chr6	54175174	54175595	32583	intron (NM_001033728, intron 1 of 9)	NM_001033728	pacsin1b	4.714634273	6.737779491	-2.023145218	0.000174
peak_14844	chr6	19018658	19019491	-4644	Intergenic	NM_001014307	sept9b	6.326177578	8.349418126	-2.023240548	1.62E-06
peak_19087	chr21	7521536	7522148	-59	promoter-TSS (NM_001128703)	NM_001128703	otpa	4.664214276	6.687592251	-2.023377976	2.49E-05
peak_18139	chr8	14831594	14832010	60835	intron (NM_001245100, intron 2 of 14)	NM_001245100	si:dkey-6n6.7	4.36599906	6.38939448	-2.02339542	1.48E-05
peak_32801	chr10	1863449	1863976	-9306	Intergenic	NM_131223	epb41l4a	4.549442022	6.573070609	-2.023628587	0.004174
peak_16092	chr21	28215685	28216395	74376	Intergenic	NM_001003543	zgc:100829	4.963720362	6.987548729	-2.023828367	3.98E-06
peak_13674	chr14	41527722	41528697	166425	Intergenic	NM_001127519	pcdh19	7.157081378	9.180932537	-2.023851159	6.41E-07
peak_19780	chr12	40132347	40133061	26344	intron (NM_001002490, intron 1 of 7)	NM_001002490	ttyh2	5.782627238	7.806700291	-2.024073053	3.61E-05
peak_23030	chr1	35765121	35765433	71251	Intergenic	NM_001077565	zgc:152968	3.393518857	5.417671893	-2.024153036	0.000171
peak_16039	chr12	24928188	24928855	81947	Intergenic	NM_131784	bambia	5.780628893	7.805084463	-2.024455569	3.88E-06
peak_17909	chr20	30336880	30337260	59722	Intergenic	NM_001002716	allc	4.749428098	6.773956249	-2.024528152	1.29E-05
peak_40109	chr24	5801428	5801794	-26276	Intergenic	NM_001114926	dia1b	3.370319669	5.395118899	-2.02479923	0.018342
peak_43980	chr6	57419620	57419958	6750	intron (NM_001002869, intron 6 of 20)	NM_001002869	ddx27	0.625495796	2.650328823	-2.024833027	0.032856
peak_24731	chr25	23310213	23310865	-113	promoter-TSS (NM_001045312)	NM_001045312	stra6	4.859814447	6.884697094	-2.024882648	0.000349
peak_39019	chr5	42626185	42626578	-90502	Intergenic	NM_001077175	parp8	3.20331505	5.228488942	-2.025173892	0.015315
peak_15230	chr20	51856133	51858139	39723	intron (NM_212800, intron 3 of 8)	NM_212800	disp1	6.817638374	8.843010649	-2.025372275	2.15E-06
peak_23453	chr24	31718350	31718741	39690	Intergenic	NM_001013562	ptbp2a	4.093967964	6.119582269	-2.025614306	0.000202
peak_23697	chr5	50995622	50995963	-184072	Intergenic	NM_001201438	si:dkey-172m14.	3.445014594	5.470653816	-2.025639222	0.000225
peak_26862	chr9	14037447	14037818	27808	intron (NM_001076586, intron 1 of 9)	NM_001076586	abi2a	4.311548883	6.337400788	-2.025851905	0.000744
peak_19305	chr24	4537564	4538078	-9863	Intergenic	NM_130918	fzd8a	4.979875451	7.005758923	-2.025883472	2.79E-05
peak_22565	chr22	5506617	5507204	-25201	Intergenic	NM_001111175	zgc:171566	4.645837784	6.671786337	-2.025948553	0.000139
peak_38390	chr9	9744830	9745112	20949	intron (NM_001098617, intron 1 of 9)	NM_001098617	nr1i2	3.473004376	5.499281429	-2.026277052	0.013766
peak_24111	chr9	47839234	47839756	45213	intron (NM_001126464, intron 2 of 3)	NM_001126464	igfbp2b	4.532386391	6.558671884	-2.026285493	0.00027
peak_17852	chr9	31796741	31797227	43628	intron (NM_001109865, intron 2 of 5)	NM_001109865	klf12b	4.70702943	6.733385399	-2.026355968	1.25E-05

peak_27541	chr2	32769581	32770380	-137523	Intergenic	NM_001076570	rnf220a	4.437931469	6.464319462	-2.026387993	0.000939
peak_17040	chr4	4861077	4861805	-55614	Intergenic	NM_001013456	ndufa5	5.451058288	7.477454235	-2.026395947	7.20E-06
peak_14731	chr13	1738135	1739164	14706	intron (NM_001110400_1, intron 4 of 5)	NM_001110400_1	hmgcll1	6.813125692	8.839619332	-2.02649364	1.49E-06
peak_27528	chr7	49252068	49252606	455867	Intergenic	NM_131427	cpeb1b	2.947423891	4.973956609	-2.026532718	0.000934
peak_24688	chr3	54821150	54821757	-42707	Intergenic	NM_212717	olfm2a	4.36599906	6.39256368	-2.02656462	0.000344
peak_25907	chr7	70707743	70708249	251718	Intergenic	NM_001100142	phlpp2	4.170582953	6.197242016	-2.026659063	0.000533
peak_19172	chr14	36417961	36418579	-109118	Intergenic	NM_001003412	clint1a	5.388278976	7.414938887	-2.026659911	2.60E-05
peak_20865	chr19	39151188	39151662	-17814	Intergenic	NM_001122760	thsd7a	4.399781695	6.426447683	-2.026665988	6.28E-05
peak_23503	chr23	45381659	45382057	3334	exon (NM_001004674, exon 5 of 5)	NM_001004674	hmgb2b	4.132157201	6.158840062	-2.026682861	0.000207
peak_36873	chr22	35268474	35268974	86854	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	3.313826142	5.340580326	-2.026754184	0.010299
peak_42905	chr12	22689033	22689512	37389	intron (NM_001037121, intron 2 of 8)	NM_001037121	ca10a	3.420463621	5.447230337	-2.026766715	0.028167
peak_21073	chr5	36252748	36253230	-18466	Intergenic	NM_001114845	hexa	4.630830115	6.657666884	-2.026836768	6.95E-05
peak_16597	chr7	12972522	12972936	-88136	Intergenic	NM_001080993	mex3b	4.810385827	6.837256798	-2.026870971	5.58E-06
peak_20441	chr12	40254836	40255257	-96355	Intergenic	NM_001099246	abca5	4.422575411	6.449569003	-2.026993592	5.16E-05
peak_19229	chr17	9038690	9040079	-217599	Intergenic	NM_001077768	zranb1b	6.767738208	8.794758145	-2.027019937	2.68E-05
peak_21492	chr2	39808996	39809446	30917	intron (NM_001005919, intron 3 of 16)	NM_001005919	epha4a	4.074449378	6.101500958	-2.02705158	8.49E-05
peak_39529	chr23	40791898	40792493	18064	Intergenic	NM_199854	rnf146	1.426730103	3.453787234	-2.027057131	0.016702
peak_20688	chr15	13226276	13226954	83328	Intergenic	NM_199847	fxyd6	4.525664779	6.552765121	-2.027100342	5.83E-05
peak_33733	chr8	14376697	14377120	9958	exon (NM_001128554, exon 4 of 11)	NM_001128554	doc2d	3.271061115	5.298266115	-2.027205001	0.005186
peak_14666	chr2	4902798	4904599	-670	promoter-TSS (NM_001012388)	NM_001012388	dlg1l	7.267313811	9.294551279	-2.027237468	1.42E-06
peak_19246	chr3	30312876	30313453	-3650	Intergenic	NM_001172398	si:ch211-152f23.1	6.470103655	8.49749351	-2.027389855	2.70E-05
peak_24704	chr3	12780411	12780955	-1340	Intergenic	NM_001030236	coro7	4.432791331	6.460403537	-2.027612206	0.000345
peak_18979	chr18	7523520	7524473	-171745	Intergenic	NM_001013543	arsa	7.002231206	9.02986679	-2.027635584	2.35E-05
peak_19591	chr25	16760749	16761316	47860	intron (NM_212847, intron 4 of 13)	NM_212847	tead1a	5.528525488	7.556198899	-2.027673411	3.27E-05
peak_37518	chr20	9486587	9486962	-47130	Intergenic	NM_001045010	si:dkey-174m14.1	2.44299439	4.470924085	-2.027929695	0.011713
peak_28175	chr7	10169405	10169763	62728	intron (NM_212678, intron 2 of 2)	NM_212678	chsy1	3.563403173	5.59134749	-2.027944317	0.001168
peak_22518	chr19	46705734	46706053	-160838	Intergenic	NM_001083814	ptpro	3.684926177	5.712949175	-2.028022999	0.000136
peak_15499	chr7	22898363	22899948	-56829	Intergenic	NM_001077144	tmem88b	7.533790042	9.561872203	-2.028082161	2.61E-06
peak_25283	chr16	20848829	20849266	-82633	Intergenic	NM_199736	slc6a19b	4.603906322	6.63203406	-2.028127738	0.00043
peak_16379	chr18	17679433	17680247	19785	intron (NM_001080164, intron 1 of 5)	NM_001080164	si:ch211-212o1.2	5.940954807	7.96921765	-2.028262844	4.82E-06
peak_21948	chr21	5085262	5085633	2873	intron (NM_131441_1, intron 1 of 9)	NM_131441_1	notch1a	3.915640605	5.943904445	-2.02826384	0.000107
peak_17009	chr9	47047570	47048130	93196	intron (NM_001039358, intron 10 of 24)	NM_001039358	hdac4	5.947403106	7.975708519	-2.028305413	7.06E-06
peak_31596	chr1	20214725	20215090	-22383	intron (NM_131781, intron 10 of 10)	NM_131894	gria2a	4.20331505	6.231682884	-2.028367834	0.00308
peak_13493	chr1	4165868	4166687	-6972	Intergenic	NM_001003842	spry2	8.378297992	10.40692166	-2.028623666	5.52E-07
peak_22175	chr18	11123133	11123552	377142	Intergenic	NM_001013335	zgc:110789	4.468103815	6.496887661	-2.028783846	0.000118
peak_18867	chr18	2622376	2622834	37028	intron (NM_001244879, intron 1 of 7)	NM_001045470	fam168a	5.359556268	7.388344257	-2.028787988	2.20E-05
peak_37201	chr21	36584613	36584834	-64896	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	2.471023015	4.50017256	-2.029149545	0.011007
peak_19758	chr3	9950019	9950541	36214	intron (NR_105067, intron 2 of 5)	NR_105067		5.630830115	7.660023398	-2.029193283	3.57E-05
peak_16678	chr21	27948496	27949237	52132	TTS (NM_001099254)	NM_001002411	otub1a	5.787833233	7.817102784	-2.029269551	5.87E-06
peak_18096	chr11	966994	967541	44365	intron (NM_212882_3, intron 6 of 8)	NM_001007362	slc6a1b	4.09910867	6.128535449	-2.029426779	1.44E-05
peak_27001	chr21	1596443	1597187	-312336	Intergenic	NM_205605	wdr91	4.581070594	6.610929754	-2.029859159	0.000779
peak_16862	chr2	9990977	9991684	-10052	Intergenic	NM_152977	dmbx1a	5.660306983	7.690174428	-2.029867445	6.51E-06
peak_31641	chr11	20470066	20470592	-7188	Intergenic	NM_131636	fezf2	4.015696603	6.045663033	-2.02996643	0.003119
peak_20099	chr6	5613286	5613779	552142	Intergenic	NM_001201446	rtn4a	4.84071513	6.870863866	-2.030148735	4.36E-05
peak_28588	chr6	21146758	21146978	116719	Intergenic	NM_205740	barhl2	3.144713902	5.175025656	-2.030311754	0.001326
peak_23753	chr7	25226690	25227213	-12818	Intergenic	NM_200567	dhrs2	4.615612369	6.646483205	-2.030870837	0.000231
peak_24723	chr12	10117778	10118155	57702	exon (NM_200119, exon 26 of 27)	NM_001082873	zgc:162204	3.934456584	5.965474194	-2.03101761	0.000347
peak_16253	chr3	23473775	23474537	-38259	Intergenic	NM_199214	col1a1a	6.340403953	8.371437273	-2.031033321	4.42E-06
peak_26407	chr23	33039958	33040311	409013	Intergenic	NM_200286	taf8	3.537128982	5.568194403	-2.031065421	0.000633
peak_17886	chr13	42192545	42193386	6278	intron (NM_001012482, intron 1 of 35)	NM_001012482	pcdh15a	5.526646803	7.557743458	-2.031096655	1.28E-05
peak_25091	chr13	22116245	22116579	150104	Intergenic	NM_001145707	zswim8	3.104231123	5.135461342	-2.031230219	0.000402
peak_29750	chr14	52157404	52157944	119881	intron (NM_001114465_1, intron 4 of 12)	NM_001114465_1	unc5a	3.10167217	5.132920275	-2.031248105	0.001889
peak_32522	chr2	11683289	11683715	20149	intron (NM_001004569, intron 2 of 8)	NM_001004569	abhd3	3.46903893	5.500357215	-2.031318286	0.003914
peak_39428	chr10	5605253	5605606	-20540	Intergenic	NM_212843	syk	1.215200887	3.246668827	-2.03146794	0.016382
peak_23517	chr12	44327755	44328121	5787	intron (NM_001005950, intron 2 of 10)	NM_001005950	glrx3	3.504454597	5.536106889	-2.031652292	0.000208
peak_39229	chr18	23498191	23498626	160657	Intergenic	NM_131183	nr2f2	3.19853316	5.230190749	-2.031657589	0.015889
peak_13304	chr7	50115075	50116267	6472	Intergenic	NM_001002040	cdkn1c	7.680097654	9.71178929	-2.031691636	4.66E-07
peak_27740	chr5	5877170	5877677	393544	Intergenic	NM_205570	zgc:73226	4.793836463	6.825541512	-2.03170505	0.001007
peak_34681	chr25	20292562	20292854	68598	Intergenic	NM_001004622	zgc:101783	2.868163296	4.89999628	-2.031832984	0.006417
peak_16988	chr16	7609119	7609782	-4585	TTS (NM_001007396)	NM_001017880	ndufb9	6.033021694	8.065000071	-2.031978377	6.99E-06
peak_26214	chr8	36971162	36971572	404126	Intergenic	NM_200957	slc15a4	3.333588892	5.365597491	-2.032008599	0.000593
peak_22313	chr8	55412749	55413130	-3003	intron (NM_001017580_1, intron 4 of 4)	NM_200623_1	wdr46	3.391425188	5.423558261	-2.032133073	0.000126
peak_19347	chr23	36242993	36243628	13662	Intergenic	NM_131531	hoxc1a	5.04607651	7.078261238	-2.032184728	2.85E-05
peak_27664	chr1	28543436	28543787	55104	Intergenic	NM_001114714	si:dkey-1h24.2	3.540911861	5.573125762	-2.032213901	0.000978
peak_22643	chr20	37634534	37634858	-87519	Intergenic	NM_001030164	hivep2a	4.106785545	6.139211988	-2.032426442	0.000144
peak_16884	chr5	19409991	19410672	-148656	Intergenic	NM_001100015	chfr	5.622769162	7.655205264	-2.032436102	6.62E-06
peak_14219	chr15	3720369	3721322	28359	Intergenic	NM_001080055	lpar6a	7.233750311	9.26663864	-2.032888329	1.00E-06
peak_14554	chr7	22818788	22819558	-136811	Intergenic	NM_001077144	tmem88b	7.616726426	9.649812978	-2.033086552	1.30E-06
peak_31155	chr3	31420805	31421214	-111453	Intergenic	NM_001080044	smg1	3.496684491	5.530334868	-2.033650377	0.002726
peak_29339	chr15	15262918	15263353	58986	intron (NM_001020595, intron 1 of 7)	NM_001017695	rnmtl1a	4.180317088	6.214008097	-2.033691008	0.00168
peak_22647	chr5	31619583	31619911	-8890	Intergenic	NR_030053		3.445014594	5.478747578	-2.033732984	0.000145
peak_19806	chr20	4994463	4994967	67697	Intergenic	NM_001160014	tmem242	4.468103815	6.50204707	-2.033943255	3.68E-05
peak_39857	chr16	29675667	29676528	5309	intron (NM_152970, intron 2 of 17)	NM_152970	invs	4.148438002	6.182382897	-2.033944895	0.017573
peak_18259	chr15	47350071	47350664	43372	Intergenic	NM_001076636_1	zgc:153039	5.253234453	7.287321456	-2.034087004	1.58E-05
peak_22326	chr7	69701735	69702186	-51197	Intergenic	NM_001082828	zgc:162592	4.628113554	6.66247938	-2.034365826	0.000126
peak_21571	chr20	32511664	32512333	-26721	Intergenic	NM_001003608	nr2e1	5.362765675	7.39717501	-2.034409334	8.87E-05
peak_20668	chr6	13206014	13206653	-36775	Intergenic	NM_200806	rprmb	5.542799588	7.577270481	-2.034470893	5.79E-05
peak_39950	chr22	39337171	39337555	77122	Intergenic	NM_001017600	polr2h	3.166915653	5.201402383	-2.03448673	0.017892
peak_25310	chr9	22137484	22137803	-5893	Intergenic	NM_001013323	wars2	3.383019995	5.41766168	-2.034641685	0.000434
peak_20128	chr18	22350192	22350700	-36477	Intergenic	NM_001135133	bcar1	5.123984162	7.158670472	-2.03468631	4.43E-05
peak_19240	chr15	36058079	36058783	-114756	Intergenic	NM_001040687	nphs1	5.368129927	7.40283409	-2.034704162	2.69E-05
peak_32935	chr10	35366679	35367053	246702	Intergenic	NM_001114706_1	zgc:174193	4.050765939	6.085523076	-2.034757137	0.004331
peak_24500	chr15	4244200	4244767	36298	intron (NM_131670, intron 1 of 6)	NM_131670	atp1b3b	4.288041959	6.322888493	-2.034846534	0.000316
peak_17376	chr6	1073875	1075108	-87094	Intergenic	NM_001110010_1	plxna1b	6.371070237	8.406050138	-2.034979902	9.01E-06
peak_15882	chr9	34015017	34016423	4091	TTS (NM_205669)	NM_205669	nhlh2	6.078071659	8.113225413	-2.035153754	3.47E-06
peak_15507	chr11	22807202	22808506	63901	intron (NM_001199491, intron 2 of 17)	NM_001199491	foxp4	6.943825434	8.979118712	-2.035293278	2.63E-06
peak_22196	chr5	37578293	37578645	5128	exon (NM_001004659, exon 2 of 7)	NM_001004659	zgc:103697	3.887604564	5.922992478	-2.035387914	0.000118
peak_18053	chr19	9443772	9444584	-8805	intron (NM_131494, intron 13 of 13)	NM_153671	cers2a	5.163239007	7.198773378	-2.035534371	1.41E-05
peak_28433	chr7	41397638	41397974	76973	Intergenic	NM_001111200	shrprbck1r	3.544684847	5.580404046	-2.035719199	0.001261
peak_27116	chr16	41776338	41777192	21387	Intergenic	NM_001159994	gdf6a	4.242240088	6.277985621	-2.035745533	0.000809
peak_26482	chr7	37038065	37038713	-67635	Intergenic	NM_001023575	irx6a	4.030649868	6.066415984	-2.035766117	0.000647
peak_25901	chr14	53402161	53402809	-28286	Intergenic	NM_213113	rpl26	4.37985538	6.415629915	-2.035774535	0.000532
peak_14989	chr17	16564555	16565403	-31547	Intergenic	NM_001033743	ston2	6.315695037	8.351622385	-2.035927348	1.78E-06
peak_23345	chr9	15124865	15125332	-344032	Intergenic	NM_212966	nrp2b	4.765730906	6.801691967	-2.035961061	0.000193
peak_32372	chr8	49773442	49773776	-18860	Intergenic	NM_001144802	si:ch211-251b21.4	3.104231123	5.140217781	-2.035986658	0.003761
peak_32182	chr2	55948461	55948717	45043	Intergenic	NM_001089562	rab8a	2.815860363	4.851904481	-2.036044118	0.003575
peak_43231	chr4	6626776	6627568	48540	Intergenic	NM_001201542	tnnt2e	3.19853316	5.234656403	-2.036123243	0.029685
peak_20876	chr21	16327279	16327711	-64604	Intergenic	NM_001161551	rxraa	4.8718786	6.90832621	-2.03644761	6.32E-05
peak_43196	chr3	12919115	12919571	30991	intron (NM_001030236_1, intron 1 of 4)	NM_001030236_1	coro7	0.234016866	2.270482607	-2.036465741	0.029502
peak_22342	chr7	75392656	75393340	-69930	Intergenic	NM_001002436	psmd9	5.571366429	7.607838319	-2.03647189	0.000127
peak_39576	chr8	54789239	54789590	7627	intron (NM_131256, intron 2 of 7)	NM_131256	nr6a1a	2.874173177	4.910806635	-2.036633459	0.016818
peak_21904	chr11	44929934	44930267	29623	intron (NM_001015069_1, intron 1 of 3)	NM_001015069_1	gli2b	4.364932445	6.401631814	-2.036699369	0.000104
peak_21778	chr15	34887748	34888570	-312775	Intergenic	NM_001017614	rhbdd1	5.39194889	7.42866468	-2.03671579	9.78E-05
peak_15154	chr9	10875307	10875884	-42140	Intergenic	NM_131834	cxcr4b	5.353115955	7.38990377	-2.036787814	2.02E-06
peak_26039	chr21	18653674	18654073	2388	5' UTR (NM_214756, exon 2 of 22)	NM_214756	nnt	4.057383766	6.094245542	-2.036861776	0.000558

peak_22933	chr4	9140291	9140809	166780	Intergenic	NM_001045158	sbf1	4.951692923	6.988767672	-2.037074749	0.000164
peak_22145	chr21	5465569	5466260	17147	intron (NM_001204154, intron 2 of 7)	NM_001204154	st8sia5	4.810385827	6.847472235	-2.037086408	0.000116
peak_16050	chr1	1900276	1900792	42207	intron (NM_001099998, intron 2 of 7)	NM_001161671	mbnl2	5.284661742	7.32179442	-2.037132678	3.90E-06
peak_28038	chr24	23229666	23230025	134625	Intergenic	NM_199680	zc2hc1a	3.928693146	5.966034848	-2.037341702	0.001116
peak_20886	chr5	4997585	4998022	-94416	Intergenic	NM_001110024	zbtb43	4.375563276	6.412920249	-2.037356973	6.35E-05
peak_29592	chr6	48925311	48925711	-43963	Intergenic	NM_001256640	si:ch211-105j21.1	4.056062627	6.093430703	-2.037368076	0.001801
peak_32751	chr15	2271635	2272154	90688	intron (NM_212947, intron 4 of 10)	NM_212947	rsrc1	4.145956337	6.183446785	-2.037490448	0.00413
peak_23995	chr8	56098053	56098398	-4209	Intergenic	NM_001012365	trh	3.603853576	5.641420551	-2.037566975	0.000256
peak_16222	chr15	33637830	33638557	76577	intron (NM_212883, intron 12 of 12)	NM_212883	agmo	5.556906595	7.594711975	-2.03780538	4.35E-06
peak_14566	chr3	41665890	41666619	23835	intron (NM_001013277, intron 2 of 3)	NM_001013277	gna12a	6.004458976	8.042284962	-2.037825986	1.30E-06
peak_23419	chr16	52236205	52236874	188911	Intergenic	NM_001110524	brd2b	4.517048459	6.55491417	-2.03786571	0.000199
peak_24571	chr2	9720691	9721046	13293	exon (NM_001100088, exon 9 of 12)	NM_001100088	acbd5b	3.625495796	5.663473307	-2.037977511	0.000326
peak_31025	chr16	34678029	34678406	-59911	Intergenic	NM_001130601	mms22l	3.705295767	5.743277665	-2.037981897	0.002635
peak_27645	chr2	47583206	47583765	2387	exon (NM_131277, exon 4 of 8)	NM_131277	pax3a	3.909801353	5.947793169	-2.037991816	0.000974
peak_20135	chr13	14111740	14112395	236470	exon (NM_001123058, exon 2 of 10)	NM_001123058	gfra4a	4.495710279	6.533768261	-2.038057982	4.44E-05
peak_27611	chr24	24000953	24001368	278172	Intergenic	NM_001075111	hnf4g	3.887604564	5.925711726	-2.038107162	0.000963
peak_19771	chr21	39752196	39752904	-118964	Intergenic	NM_001076712	bod1	5.232297377	7.270477244	-2.038179867	3.59E-05
peak_23523	chr19	38009948	38010416	-657262	Intergenic	NM_001007288	cx30.9	4.097825209	6.136024969	-2.03819976	0.000208
peak_20151	chr17	53459814	53460311	27498	Intergenic	NM_131896_1	meis2a	4.857496901	6.895915231	-2.03841833	4.47E-05
peak_16315	chr10	18075991	18076791	109609	Intergenic	NM_001002632	prkab1a	6.224933517	8.263364319	-2.038430802	4.64E-06
peak_40629	chr7	20700536	20700857	14784	Intergenic	NM_001017654	ttc5	2.451058288	4.489591527	-2.038533239	0.020018
peak_18403	chr13	45000163	45000632	357751	Intergenic	NM_001030175	zfand3	4.941670391	6.980291172	-2.038620781	1.70E-05
peak_18983	chr16	2533153	2533709	231094	Intergenic	NM_181735	foxi1	4.702814493	6.741445952	-2.038631459	2.36E-05
peak_23297	chr5	21443583	21444213	-51441	Intergenic	NM_001126454	fam222a	5.1930644	7.231725154	-2.038660754	0.00019
peak_43061	chr18	26018392	26018814	-28725	Intergenic	NR_030101		0.215200887	2.253930068	-2.038729181	0.028866
peak_31010	chr16	6678706	6679069	-174579	Intergenic	NM_001002182	zgc:91890	3.612866973	5.651614919	-2.038747946	0.002622
peak_34675	chr15	6217991	6218412	-130509	Intergenic	NM_001005991	zgc:103530	3.751925757	5.790813489	-2.038887732	0.006408
peak_24541	chr2	23319939	23321672	6580	TTS (NM_001256203)	NM_001256203	angptl4	5.723399576	7.762370914	-2.038971338	0.000323
peak_27608	chr16	39839328	39839880	-4421	Intergenic	NM_001089345	eva1ba	3.44299439	5.482026615	-2.039032225	0.000961
peak_19202	chr23	3138342	3138926	213069	Intergenic	NM_001089467	zgc:158828	5.714609849	7.753769096	-2.039159248	2.64E-05
peak_23040	chr24	33674238	33674661	-3181	Intergenic	NM_131816	neurod6a	4.203245422	6.242779965	-2.039534543	0.000172
peak_28091	chr17	37182588	37182807	-26648	Intergenic	NM_001018140	dnmt3ab	2.646715745	4.686338631	-2.039622886	0.001137
peak_15340	chr7	22144967	22145895	10530	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	6.47306213	8.512793577	-2.039731446	2.33E-06
peak_16312	chr7	8269277	8269938	-21373	Intergenic	NM_131354	six7	6.295914793	8.335882498	-2.039967705	4.63E-06
peak_19805	chr20	48486266	48486633	-74488	Intergenic	NM_001025546	tfap2d	3.84531137	5.88558286	-2.04027149	3.67E-05
peak_22711	chr5	52198299	52199147	269111	Intergenic	NM_001135983	zgc:194908	4.971490612	7.011800828	-2.040310216	0.000148
peak_36526	chr23	32569331	32569706	3269	intron (NM_213516, intron 1 of 6)	NM_213516	rnf41	3.149677235	5.190241248	-2.040564013	0.009597
peak_27668	chr17	49856276	49856725	-50778	Intergenic	NM_001278851	shroom3	3.877168754	5.91783386	-2.040665106	0.00098
peak_32461	chr19	2739903	2740285	4338	intron (NM_001077282, intron 1 of 6)	NM_001077282	nedd9	2.941712126	4.9824652	-2.040753074	0.003852
peak_40583	chr5	48027157	48027467	89333	Intergenic	NM_001007790	hapln1a	3.19853316	5.239605783	-2.041072623	0.019905
peak_20834	chr13	48871493	48871885	-85369	Intergenic	NM_001098262	zmp:000000113	4.572725943	6.613822188	-2.041096245	6.21E-05
peak_14438	chr17	15274466	15275090	11	promoter-TSS (NM_131605)	NM_131605	fabp7a	6.163239007	8.204426768	-2.041187761	1.20E-06
peak_30842	chr5	46340029	46340413	65747	intron (NM_001099990, intron 4 of 24)	NM_001099990	dapk1	3.508324013	5.549529606	-2.041205593	0.002522
peak_28969	chr5	53862581	53862904	-28746	intron (NM_001002496, intron 4 of 7)	NM_001017562_1	lhfpl2b	2.329220506	4.370431681	-2.041211175	0.001497
peak_37723	chr25	29410625	29410989	-45490	Intergenic	NM_001098391	tmem17	3.742100794	5.783358822	-2.041258028	0.012094
peak_33817	chr25	20840713	20841088	31928	Intergenic	NM_001006012	kctd15a	3.832932036	5.874256735	-2.041324699	0.005276
peak_18309	chr14	27710162	27710702	3485	Intergenic	NM_131041	neurog1	5.757196092	7.798762592	-2.0415665	1.62E-05
peak_38992	chr23	5403382	5403857	74974	Intergenic	NR_039088		3.309268024	5.350841681	-2.041573657	0.01525
peak_15049	chr18	29246572	29247291	-105278	Intergenic	NM_131844	maf	6.235218809	8.276929197	-2.041710388	1.88E-06
peak_17139	chr13	13116380	13116849	39013	intron (NM_131606, intron 4 of 15)	NM_131606	fgfr3	5.372382244	7.414154853	-2.041772609	7.68E-06
peak_16658	chr14	38905538	38907262	699501	Intergenic	NM_001048055	lect2l	5.831433437	7.873249824	-2.041816387	5.78E-06
peak_21887	chr7	47109687	47110175	-463359	Intergenic	NM_001020749	pop4	4.478989702	6.520861755	-2.041872053	0.000103
peak_18029	chr1	39946871	39947269	40334	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	4.340116769	6.382068064	-2.041951295	1.38E-05
peak_20030	chr17	14994614	14995059	-3616	intron (NM_001002726, intron 25 of 25)	NR_120388		5.292569356	7.334645006	-2.04207565	4.21E-05
peak_32149	chr2	21619589	21619846	24736	exon (NM_201454, exon 8 of 8)	NM_201454	rab2a	2.451058288	4.493227157	-2.042168869	0.003541
peak_14623	chr12	36765067	36765802	-99392	Intergenic	NM_200770	fscn2b	6.636807743	8.679071717	-2.042263974	1.37E-06
peak_20548	chr3	29283829	29284436	179738	Intergenic	NM_212894	lgals2a	4.757578822	6.7998507	-2.042271877	5.45E-05
peak_15523	chr7	12944167	12944739	-59860	Intergenic	NM_001080993	mex3b	5.431293272	7.47378976	-2.042496488	2.67E-06
peak_21263	chr7	47975713	47976206	346366	Intergenic	NM_130995	ccne1	3.808033224	5.850641243	-2.042608019	7.59E-05
peak_17186	chr5	27049470	27049894	-27986	Intergenic	NM_001082856	rorb	4.746973874	6.789639059	-2.042665185	7.93E-06
peak_31845	chr25	29060605	29061307	-78656	Intergenic	NM_001114348	fezf1	4.716307966	6.759013254	-2.042705288	0.003308
peak_15187	chr5	71048928	71049453	-8320	Intergenic	NM_001012251	gsx1	5.665081128	7.707793977	-2.042712849	2.07E-06
peak_16409	chr22	11335411	11335916	81360	Intergenic	NM_205626	bcor	5.680217359	7.722932337	-2.042714977	4.94E-06
peak_20224	chr5	31646778	31647104	9689	Intergenic	NR_030068		4.339030839	6.381758518	-2.04272768	4.64E-05
peak_37037	chr16	57088895	57089787	-31853	intron (NM_001039925, intron 6 of 11)	NM_001080630	gpatch3	2.106785545	4.149526054	-2.042740509	0.010633
peak_29185	chr16	1093790	1094158	273324	Intergenic	NM_207185	irx1a	3.508324013	5.551067578	-2.042743564	0.0016
peak_30124	chr24	15073098	15073468	-37317	Intergenic	NM_001080646	cd226	3.335768134	5.378629713	-2.042861579	0.002098
peak_36785	chr4	21278572	21278967	-23	promoter-TSS (NM_131870)	NM_131870	guca1a	3.47113868	5.514018073	-2.042879393	0.010091
peak_24601	chr15	18780170	18780849	-19591	Intergenic	NM_212634	alcamb	4.931619771	6.974639283	-2.043019512	0.00033
peak_19346	chr19	8644942	8645492	74303	Intergenic	NM_001128368	si:dkey-266f7.9	6.256130616	8.299517729	-2.043387113	2.84E-05
peak_27186	chr13	8753649	8754038	-19615	Intergenic	NM_001114930	si:ch211-243o19.	4.36599906	6.409423946	-2.043424886	0.000828
peak_31779	chr22	11525421	11525969	22955	Intergenic	NM_200832	mid1ip1b	4.722983386	6.766411413	-2.043428027	0.00325
peak_21142	chr9	47289642	47290263	-148906	Intergenic	NM_001039358	hdac4	5.521869572	7.565362442	-2.04349287	7.20E-05
peak_22334	chr13	40279911	40280583	110788	Intergenic	NM_001128272	zgc:171482	4.986866231	7.030562974	-2.043696743	0.000127
peak_39901	chr10	6209590	6209922	18385	intron (NM_213293, intron 6 of 6)	NM_213293	ppp2cb	1.984009138	4.027708228	-2.043699091	0.017709
peak_25588	chr2	59930541	59931090	11845	intron (NM_212882_1, intron 8 of 9)	NR_030000		3.931577743	5.97534469	-2.043766947	0.000478
peak_33619	chr8	45545002	45545336	72043	intron (NM_001007032, intron 3 of 44)	NM_001007032	ncor2	1.793836463	3.837663749	-2.043827286	0.005045
peak_27095	chr5	5262169	5262532	-50711	Intergenic	NM_001076606	mvb12ba	4.065285294	6.10920073	-2.043915436	0.000802
peak_18010	chr5	65493639	65494103	94016	Intergenic	NM_001110103	aspa	6.040408962	8.084390084	-2.043981122	1.37E-05
peak_15830	chr7	12875818	12877940	7714	Intergenic	NM_001080993	mex3b	7.625679487	9.669842317	-2.04416283	3.34E-06
peak_27437	chr6	25380787	25381254	306566	Intergenic	NM_212689	lmo4b	4.613817609	6.658069307	-2.044251698	0.000905
peak_17939	chr21	3377708	3378163	-177994	Intergenic	NM_213302	hnrnpabb	5.130902821	7.175170807	-2.044267987	1.32E-05
peak_18484	chr6	15370025	15370538	459	exon (NM_001171221, exon 1 of 5)	NM_001171221	st6gal2b	4.370257652	6.414534499	-2.044276847	1.77E-05
peak_27307	chr13	35018693	35018964	-15906	Intergenic	NM_001012376_1	ism1	3.412226395	5.456687771	-2.044461375	0.000864
peak_14216	chr2	39821214	39822461	18301	intron (NM_001005919, intron 3 of 16)	NM_001005919	epha4a	6.090726876	8.13551207	-2.044785194	9.95E-07
peak_43035	chr20	54582308	54582777	5965	Intergenic	NM_199993	arf6a	2.471023015	4.515848497	-2.044825482	0.02878
peak_16674	chr19	40391460	40391944	420746	Intergenic	NM_212579	col9a2	5.493271866	7.538194585	-2.044922719	5.84E-06
peak_19847	chr15	32230638	32231063	90416	Intergenic	NM_199743	zgc:73340	4.291414275	6.336340391	-2.044926116	3.76E-05
peak_36712	chr22	27354631	27354935	101477	Intergenic	NM_001045127	si:dkey-44g23.5	3.348774912	5.393787387	-2.045012475	0.009933
peak_15073	chr9	47640000	47640755	-23846	Intergenic	NM_131069	cx43.4	7.888718223	9.934000791	-2.045282568	1.91E-06
peak_20008	chr2	47625320	47625834	44479	intron (NM_131277, intron 7 of 7)	NM_131277	pax3a	4.808033224	6.853497155	-2.045463932	4.15E-05
peak_19532	chr17	44317831	44318444	-22042	Intergenic	NM_131251	otx2	5.615163888	7.660712604	-2.045548716	3.15E-05
peak_40085	chr19	29485436	29485832	-210560	Intergenic	NM_213122	sox4a	3.742100794	5.787923301	-2.045822507	0.018276
peak_34772	chr10	30764356	30768908	3662	intron (NM_001045023, intron 2 of 8)	NM_001045023	si:rp71-56i13.6	6.87508811	8.921002531	-2.045914421	0.006517
peak_24431	chr9	32208013	32208416	7195	intron (NM_001037416, intron 1 of 7)	NM_001037416	clybl	4.110608718	6.156638273	-2.046029555	0.000308
peak_22428	chr24	28441792	28442172	23241	intron (NM_131095, intron 2 of 16)	NM_131095	ek1	4.139660669	6.185694967	-2.046034298	0.000131
peak_36644	chr11	12672258	12672541	-32813	Intergenic	NM_001114717	zgc:174356	0.944570835	2.991003054	-2.046432219	0.009823
peak_21804	chr8	27368276	27368724	-6456	Intergenic	NM_001122712	sema3bl	4.35851614	6.404988487	-2.046472346	9.93E-05
peak_14891	chr6	4802255	4802996	370425	Intergenic	NM_201285	pou4f1	5.545155778	7.591723553	-2.046567775	1.67E-06
peak_20550	chr22	8782787	8783136	-629095	Intergenic	NM_001089420_1	si:ch211-11p18.4	3.846840202	5.893524711	-2.046684509	5.45E-05
peak_37639	chr5	66816264	66816654	-30821	Intergenic	NM_201495	rab14	3.401863281	5.448606575	-2.046743294	0.011928
peak_16995	chr10	738246	739021	-61191	Intergenic	NM_001080607	glis3	7.541272884	9.588023568	-2.046750684	7.01E-06
peak_22902	chr5	71056971	71057886	-82	promoter-TSS (NM_001012251)	NM_001012251	gsx1	4.839134981	6.885922814	-2.046787833	0.000162
peak_15582	chr17	41830037	41830675	250698	Intergenic	NM_199658	insm1b	6.556673059	8.603478079	-2.04680502	2.77E-06
peak_38188	chr4	24109210	24109628	42224	Intergenic	NM_131211	gata3	3.947340749	5.99455281	-2.047212062	0.013244

peak_28158	chr1	50293052	50293514	-28351	Intergenic	NM_131426	lef1	3.991020297	6.038468424	-2.047448127	0.001161
peak_28986	chr25	796103	796508	-75905	intron (NM_001098393, intron 3 of 7)	NM_199725_1	twf1a	4.374565546	6.422025716	-2.04746017	0.001505
peak_21573	chr14	15891924	15892589	-460475	Intergenic	NM_001045428	rab33a	5.176709942	7.224190499	-2.047480557	8.88E-05
peak_21715	chr1	26101819	26102326	23528	intron (NM_001122755, intron 2 of 6)	NM_001122755	bnc2	4.529477799	6.577037085	-2.047559287	9.46E-05
peak_18891	chr15	33091409	33091971	-15552	Intergenic	NM_001045451	spg20b	5.516540244	7.564207952	-2.047667708	2.23E-05
peak_20684	chr7	9543055	9543915	-24773	intron (NM_001020496, intron 1 of 4)	NM_001024426	tex261	6.749247584	8.796979391	-2.047731807	5.82E-05
peak_15441	chr5	61109158	61109723	132683	Intergenic	NM_001099451	rasa4	6.084889623	8.13280282	-2.047913196	2.51E-06
peak_34621	chr4	47326340	47327311	456165	Intergenic	NM_001115109	zgc:175008	2.447031973	4.495111159	-2.048079186	0.006341
peak_16797	chr24	25064972	25065651	1731	Intergenic	NR_030061		4.999292718	7.04741391	-2.048121192	6.30E-06
peak_23870	chr23	27114523	27114972	-89501	Intergenic	NM_213196	galnt6	4.459135677	6.507469718	-2.048334041	0.000244
peak_31478	chr17	23075776	23076128	-52803	Intergenic	NM_001100139	zgc:165461	3.884630599	5.933239651	-2.048609052	0.002979
peak_30555	chr17	8378002	8378474	29783	intron (NM_001080601, intron 1 of 5)	NM_001080601	fzd3b	4.856782579	6.905449125	-2.048666546	0.002339
peak_42908	chr24	31520346	31520622	68179	Intergenic	NM_201451	hccs	1.618352549	3.667046123	-2.048693574	0.028178
peak_35127	chr20	38581265	38581782	13468	intron (NM_001045018, intron 10 of 17)	NM_001045018	gtf3c2	3.659052965	5.707796091	-2.048743126	0.007083
peak_20644	chr2	52553161	52553675	2240	intron (NM_001013444_1, intron 1 of 8)	NM_001142925_1	adcyap1r1a	4.584740136	6.633692399	-2.048952264	5.71E-05
peak_24115	chr4	4340999	4341505	-41516	Intergenic	NM_001030208	gnsa	3.603853576	5.652931131	-2.049077556	0.000271
peak_37217	chr24	32517713	32518098	-3678	Intergenic	NR_045229_1		2.981227592	5.03039835	-2.049170759	0.011043
peak_33421	chr24	21869459	21869817	-2241	Intergenic	NM_001005393	boc	3.938764103	5.988064579	-2.049300476	0.00484
peak_25521	chr22	657548	657932	19999	Intergenic	NM_001200020	arl8a	4.123353545	6.172725813	-2.049372268	0.000466
peak_15059	chr22	473943	475836	6847	intron (NM_205627, intron 1 of 12)	NM_205627	dstyk	7.345812417	9.395356572	-2.049544155	1.90E-06
peak_15459	chr3	31938532	31939438	2472	intron (NM_131373, intron 1 of 8)	NM_131373	gfap	6.580124938	8.62967449	-2.049549553	2.54E-06
peak_16208	chr4	15765538	15766224	9244	intron (NM_212644, intron 1 of 21)	NM_212644	dennd5b	6.858667191	8.908216834	-2.049549643	4.31E-06
peak_23430	chr15	34788930	34789308	239493	Intergenic	NM_001080189_1	zgc:158328	3.806462687	5.856163151	-2.049700464	0.0002
peak_17649	chr15	27233216	27233679	-174210	Intergenic	NM_131216	lhx1a	4.658131683	6.707884196	-2.049752513	1.09E-05
peak_24553	chr17	11103830	11104100	81091	intron (NM_001258228_1, intron 12 of 20)	NM_214731	dact1	3.111880861	5.161809153	-2.049928292	0.000324
peak_20444	chr24	9050922	9051342	43516	Intergenic	NM_199567	tgif1	3.804890439	5.854844695	-2.049954256	5.16E-05
peak_19054	chr9	38022390	38023139	3160	intron (NM_131068, intron 1 of 1)	NM_131068	inhbb	5.614689092	7.664792496	-2.050103404	2.45E-05
peak_22594	chr12	46629584	46629967	-8340	Intergenic	NM_212942	fbxl15	3.344452335	5.394655724	-2.050203389	0.000141
peak_26043	chr23	29899763	29900195	10635	intron (NM_001077784, intron 1 of 16)	NM_001077784	clstn1	3.953113131	6.003411196	-2.050298064	0.000558
peak_17601	chr16	53578648	53579294	-31143	intron (NM_001003494, intron 3 of 5)	NM_001130592	nr1d2a	5.360122894	7.410427691	-2.050304797	1.06E-05
peak_29419	chr4	18529555	18529985	98694	intron (NM_182865, intron 15 of 23)	NM_182865	snd1	4.342286181	6.392686868	-2.050400687	0.001714
peak_25161	chr22	39033595	39033965	380705	Intergenic	NM_001017600	polr2h	4.144641387	6.195150924	-2.050509537	0.000412
peak_23718	chr13	36759648	36760112	33210	intron (NM_001168286, intron 3 of 21)	NM_001168286	actn1	3.088808875	5.139616618	-2.050807744	0.000228
peak_33504	chr18	13523558	13523803	337191	Intergenic	NM_001089503	mlycd	2.751830549	4.802783492	-2.050952943	0.004927
peak_23019	chr3	6844771	6845149	98307	Intergenic	NM_001003625_1	nup85	3.997917271	6.049035763	-2.051118492	0.000171
peak_24448	chr6	31442665	31443133	274471	Intergenic	NM_201025	pgm1	3.820536344	5.871674685	-2.051138341	0.00031
peak_37569	chr15	32799494	32799863	3913	Intergenic	NM_152974	mab21l1	3.47113868	5.522394597	-2.051255917	0.011786
peak_27265	chr13	52320611	52321212	14759	Intergenic	NM_001007426	ccpg1	5.442012731	7.493318461	-2.05130573	0.000854
peak_34557	chr25	11699033	11699401	-305761	Intergenic	NM_001265607	mespbb	2.784293744	4.835726801	-2.051433057	0.006268
peak_25205	chr23	38967635	38967959	-78271	Intergenic	NM_001080609	sall4	3.271061115	5.322613161	-2.051552046	0.000417
peak_15961	chr21	4250540	4251854	25734	Intergenic	NM_001007061	dolpp1	6.512933595	8.564677637	-2.051744042	3.68E-06
peak_25040	chr16	21941512	21941833	36340	intron (NM_200816, intron 8 of 10)	NM_200816	hdac9b	4.06133994	6.113139927	-2.051799988	0.000392
peak_34514	chr25	10090461	10090759	-537195	Intergenic	NM_001039822	ehf	3.104231123	5.156041387	-2.051810264	0.006209
peak_38647	chr18	11221537	11222149	278641	Intergenic	NM_001013335	zgc:110789	1.434885166	3.486930681	-2.052045515	0.014319
peak_29879	chr6	14869845	14870447	-10735	Intergenic	NM_001045396	mrps9	4.20331505	6.255536217	-2.052221167	0.001957
peak_38328	chr6	36691543	36691878	51922	intron (NM_001007298, intron 27 of 28)	NM_001007298	opa1	1.632603848	3.685095081	-2.052491233	0.013593
peak_23530	chr1	4927977	4928562	-70579	Intergenic	NM_001145693	abcb6a	5.500117403	7.552695211	-2.052577807	0.000209
peak_19941	chr6	36449041	36450328	-118399	Intergenic	NM_131079	her6	4.447031973	6.499650673	-2.0526187	3.97E-05
peak_14592	chr19	28465049	28466256	9625	Intergenic	NM_001017699	med10	7.741738752	9.794462357	-2.052723605	1.33E-06
peak_37163	chr20	28488280	28488731	28029	intron (NM_001111169, intron 3 of 11)	NM_001111169	dpf3	3.414290115	5.467096365	-2.05280625	0.010937
peak_29326	chr18	19974026	19974249	-33381	Intergenic	NM_131012	gro2	2.712120089	4.765075202	-2.052955113	0.001677
peak_17598	chr15	45298337	45298849	221592	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	5.070529039	7.123699657	-2.053170618	1.06E-05
peak_40061	chr7	14570976	14571303	4006	Intergenic	NM_001003415_1	pdcd7	1.467052111	3.520296432	-2.053244321	0.018196
peak_34958	chr6	34969734	34970207	5633	intron (NM_001003877, intron 8 of 11)	NM_001003877	slc35d1a	3.781005458	5.834349677	-2.053344219	0.006798
peak_27993	chr21	890165	890723	-57886	Intergenic	NM_194432	oaz2a	4.411253709	6.46459977	-2.053346061	0.001101
peak_19286	chr1	49821240	49821776	-37826	Intergenic	NM_131260	msxb	5.135913813	7.189299042	-2.053385229	2.76E-05
peak_14422	chr10	10862739	10863680	-33377	Intergenic	NM_181495	nrarpa	7.383663056	9.437083311	-2.053420255	1.18E-06
peak_17883	chr19	46437584	46438054	-428912	Intergenic	NM_001083814	ptpro	4.682359636	6.736098321	-2.053738685	1.27E-05
peak_24900	chr3	9897683	9897936	-16257	Intergenic	NR_105067		3.149677235	5.203537177	-2.053859941	0.000373
peak_24502	chr16	11414892	11415149	9483	intron (NM_001030092, intron 7 of 9)	NM_001030092	grhl2a	2.895012766	4.948991268	-2.053978502	0.000317
peak_23598	chr9	41548380	41549148	-70956	Intergenic	NM_001128564	vwc2l	4.84071513	6.894777204	-2.054062074	0.000215
peak_26422	chr6	38673672	38674160	-30354	Intergenic	NM_001007318	ube3a	4.18281102	6.237080132	-2.054269112	0.000636
peak_26115	chr3	24017151	24017610	4331	intron (NM_131117, intron 1 of 4)	NM_131118	hoxb4a	4.248037038	6.302825916	-2.054788877	0.000572
peak_24192	chr17	27246513	27246951	-14450	Intergenic	NR_030062		4.457076769	6.511871097	-2.054794328	0.00028
peak_41399	chr15	18994290	18994695	42762	Intergenic	NM_001017764	zgc:112083	2.944570835	4.999482038	-2.054911203	0.022621
peak_20372	chr11	32974349	32974888	387415	Intergenic	NM_001003624	diaph3	4.339030839	6.3940871	-2.055056261	5.03E-05
peak_19479	chr9	43054303	43054920	67109	Intergenic	NM_001039630	col18a1	4.959486824	7.014569572	-2.055082748	3.05E-05
peak_35933	chr7	44657009	44657856	-10916	Intergenic	NM_213493	dnaja2	2.912638768	4.967736331	-2.055097563	0.008412
peak_16937	chr13	1198377	1198819	-18583	Intergenic	NM_001110393	olig3	5.082296101	7.137440354	-2.055144253	6.81E-06
peak_20272	chr9	34971881	34973097	-79721	Intergenic	NR_039078		6.120512351	8.175725465	-2.055213114	4.76E-05
peak_17790	chr16	35833758	35834226	-72785	Intergenic	NM_131161	pou3f1	4.641439946	6.696663323	-2.055223377	1.20E-05
peak_17218	chr7	73382077	73383157	492542	Intergenic	NM_001020693_1	gba3	5.981268198	8.036606758	-2.055338559	8.12E-06
peak_12937	chr22	15860	17338	8291	intron (NM_001080577, intron 2 of 2)	NM_001080577	celsr2	7.836172348	9.891606818	-2.05543447	3.29E-07
peak_15814	chr3	26575245	26575909	82560	intron (NM_001172397, intron 7 of 10)	NM_001172397	xylt1	7.253531055	9.308968147	-2.055437092	3.29E-06
peak_15980	chr13	5738872	5739438	20163	Intergenic	NM_130955	dld	5.640558768	7.696233285	-2.055674517	3.71E-06
peak_38466	chr11	37298678	37298909	48547	Intergenic	NM_001004590	cyb561d1	2.42263522	4.478414353	-2.055779133	0.013924
peak_17466	chr13	53862681	53863205	19258	intron (NM_199954, intron 1 of 2)	NM_200370	zgc:64043	4.810385827	6.866343452	-2.055957624	9.55E-06
peak_25042	chr20	47674569	47674929	61935	Intergenic	NM_199709	dtnba	4.482985287	6.539060127	-2.05607484	0.000393
peak_18467	chr17	10765083	10765982	-66247	Intergenic	NM_214693	lgals3l	6.110327639	8.166455878	-2.05612824	1.75E-05
peak_28833	chr19	33136971	33137791	8392	intron (NM_001128539, intron 1 of 3)	NM_001128539	zbtb10	4.053416714	6.10969235	-2.056275637	0.001432
peak_40097	chr8	39100800	39101052	69324	Intergenic	NM_001039526	prlhr2a	2.639677051	4.69600878	-2.056331729	0.018308
peak_39900	chr24	2842094	2842340	140797	Intergenic	NM_001105594_1	fars2	2.324838852	4.38118605	-2.056347198	0.017706
peak_19619	chr9	16266926	16267338	-211304	Intergenic	NM_200144	upp2	4.199660318	6.256063762	-2.056403444	3.32E-05
peak_13184	chr15	44422760	44425077	-32852	Intergenic	NM_200546_1	psmd2	8.438994044	10.49547603	-2.056481986	4.17E-07
peak_23361	chr6	31820782	31821327	-35089	Intergenic	NM_131290	foxd3	4.899482471	6.955973158	-2.056490687	0.000195
peak_33984	chr19	29367372	29367749	-92486	Intergenic	NM_213122	sox4a	2.834474036	4.891001086	-2.056527051	0.005506
peak_15492	chr5	8738817	8739936	103468	Intergenic	NM_131457	bmpr1ba	5.897618191	7.954261541	-2.056643351	2.60E-06
peak_23942	chr3	26452862	26453261	-39956	Intergenic	NM_001172397	xylt1	3.782603938	5.839395209	-2.056791271	0.000251
peak_25334	chr14	1151428	1151762	9276	intron (NM_212882, intron 3 of 12)	NM_001258230_1	slc16a2	3.683215657	5.740078497	-2.05686284	0.000438
peak_23540	chr6	33121417	33121855	-113288	Intergenic	NM_201143	pik3r3b	5.078359093	7.135725196	-2.057366103	0.00021
peak_19917	chr12	36863218	36864355	-1040	Intergenic	NM_200770	fscn2b	5.960172675	8.0176391	-2.057466425	3.92E-05
peak_16840	chr20	43619812	43620553	-60019	Intergenic	NM_001044942	parp1	6.027619915	8.08512289	-2.057502975	6.45E-06
peak_15189	chr12	46840659	46841328	-13255	Intergenic	NM_131640	pax2b	5.339030839	7.396926719	-2.05789588	2.07E-06
peak_27214	chr14	24279677	24280418	-289018	Intergenic	NM_001039461	med12	4.839947665	6.898069881	-2.058122216	0.000836
peak_24804	chr1	21909752	21910248	132663	Intergenic	NM_001089491	rfc1	3.650222256	5.708352556	-2.0581303	0.00036
peak_36322	chr6	59914219	59914559	24264	Intergenic	NM_199817	tgds	2.738714804	4.797012311	-2.058297507	0.009175
peak_17639	chr16	42852379	42852936	-114934	Intergenic	NM_001017358	rspo3	4.929414836	6.987722821	-2.058307985	1.08E-05
peak_34848	chr20	45123799	45124280	420215	Intergenic	NM_001013534	zgc:103511	4.628165421	6.686473907	-2.058308486	0.00663
peak_17033	chr6	27273543	27274046	50944	intron (NM_001083826, intron 1 of 14)	NM_001083826	ryk	4.705344933	6.763855836	-2.058510903	7.17E-06
peak_28375	chr23	34722459	34723046	363780	Intergenic	NM_001005584	chchd6a	4.828296123	6.886921336	-2.058625213	0.001238
peak_28760	chr9	57838186	57838654	120482	intron (NM_200682_1, intron 2 of 4)	NM_001040052	rpl31	3.941628654	6.000371909	-2.058743255	0.0014
peak_44022	chr21	14116626	14117043	15245	exon (NM_131218, exon 5 of 5)	NM_131218	lhx5	2.664163689	4.723115564	-2.058951875	0.033033
peak_30079	chr17	37921851	37922420	41239	Intergenic	NM_001077153	zfp36l1a	3.788980206	5.848370105	-2.059389899	0.002066
peak_22642	chr20	39618395	39618989	3355	intron (NM_131622, intron 4 of 4)	NM_131622	hey2	5.203280236	7.262733534	-2.059453298	0.000144
peak_18522	chr1	19948247	19948858	121476	Intergenic	NM_001102391	npy1r	6.272467252	8.331937202	-2.05946995	1.80E-05

peak_17579	chr9	50725810	50726324	-176549	Intergenic	NM_200132	scn1a	6.151188688	8.210695415	-2.059506727	1.04E-05
peak_29046	chr6	36485530	36486125	-154542	Intergenic	NM_131079	her6	2.342286181	4.401956959	-2.059670778	0.001532
peak_18625	chr19	46988555	46990340	14962	intron (NM_001134684, intron 5 of 18)	NM_001134684	lrp6	5.775821542	7.835511331	-2.059689789	1.91E-05
peak_21885	chr3	27187498	27188042	8870	intron (NM_001004119, intron 1 of 4)	NM_001004119	emp2	5.169397197	7.229133633	-2.059736435	0.000103
peak_21387	chr3	59834234	59834881	-96887	Intergenic	NM_212936	nptx1l	4.491806838	6.551559671	-2.059752833	8.10E-05
peak_14651	chr13	46598122	46599267	50979	Intergenic	NM_001004108	bsdc1	6.169073869	8.228873673	-2.059799803	1.41E-06
peak_26859	chr24	11590838	11591065	2756	intron (NM_205728, intron 1 of 14)	NM_205728	gli3	3.038698769	5.098513202	-2.059814433	0.000743
peak_33580	chr13	34039505	34039846	11960	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	2.342286181	4.40233259	-2.060046409	0.005003
peak_21282	chr7	48518841	48520025	-128608	Intergenic	NM_001195407	tshz3b	5.222285668	7.282489361	-2.060203692	7.66E-05
peak_21857	chr10	45529505	45529880	-161	promoter-TSS (NM_173231)	NM_173231	crybb1	4.031994474	6.092317759	-2.060323286	0.000102
peak_25423	chr14	36890581	36890892	-21512	Intergenic	NM_001003587	glrbb	3.84071513	5.901086245	-2.060371114	0.000453
peak_43569	chr17	15339254	15339799	30303	Intergenic	NM_001007286	fyna	3.057306726	5.117696051	-2.060389325	0.031089
peak_23838	chr8	45954042	45954542	56010	Intergenic	NM_183338	piwil1	3.727139892	5.78756239	-2.060422498	0.000241
peak_17115	chr10	32544777	32545255	-55795	Intergenic	NM_001115066	esama	4.752693915	6.813171302	-2.060477387	7.58E-06
peak_19453	chr19	47977348	47978031	11969	intron (NM_001035264, intron 1 of 1)	NM_001035264	eif3hb	5.052053274	7.112683441	-2.060630166	3.01E-05
peak_32441	chr6	13863233	13863586	-28137	Intergenic	NR_030096		3.50251599	5.563360599	-2.060844609	0.003831
peak_15083	chr11	30967645	30968250	-69894	Intergenic	NM_001130771	cdkl5	6.370804592	8.431650805	-2.060846213	1.92E-06
peak_36484	chr17	29075955	29076352	102294	Intergenic	NM_131067	foxg1a	3.19853316	5.259530644	-2.060997483	0.009517
peak_41480	chr25	23191129	23191389	-119393	Intergenic	NM_001045312	stra6	3.174240955	5.235529724	-2.061288769	0.022848
peak_42807	chr16	17431578	17431819	-39166	Intergenic	NM_001020534	mrpl13	0.215200887	2.276521541	-2.061320654	0.02772
peak_22702	chr22	36190203	36190655	-52398	Intergenic	NM_001003610	nicn1	4.92580277	6.987127858	-2.061325088	0.000148
peak_14323	chr2	49805632	49806742	-181713	Intergenic	NM_001277094	rorcb	6.193665276	8.255167014	-2.061501738	1.08E-06
peak_14165	chr22	26662138	26663047	24491	Intergenic	NM_194426	pdgfaa	7.069556837	9.131186796	-2.061629959	9.61E-07
peak_28623	chr1	26143860	26144454	65613	intron (NM_001122755, intron 4 of 6)	NM_001122755	bnc2	4.374565546	6.436201583	-2.061636037	0.001341
peak_27366	chr24	4149141	4149542	77251	Intergenic	NM_201461	klf6a	3.745287581	5.806943963	-2.061656382	0.000881
peak_24806	chr25	28380695	28381281	27334	Intergenic	NM_001080685	spam1	4.328126339	6.389820653	-2.061694314	0.00036
peak_17833	chr12	4159307	4160290	-5906	Intergenic	NM_001114916	coa3	5.529477799	7.591178213	-2.061700414	1.23E-05
peak_13091	chr2	56850897	56853276	53284	Intergenic	NR_105069		8.400386425	10.46229333	-2.0619069	3.86E-07
peak_16444	chr7	12947861	12948457	-63566	Intergenic	NM_001080993	mex3b	6.093949186	8.156136478	-2.062187292	5.07E-06
peak_26940	chr23	34492238	34492583	133438	intron (NM_001005584, intron 7 of 7)	NM_001005584	chchd6a	3.837642815	5.899845418	-2.062202603	0.000764
peak_26697	chr17	35041318	35041783	68481	Intergenic	NM_201291	id2a	4.995162437	7.057502813	-2.062340376	0.0007
peak_17123	chr7	51039643	51040565	68086	Intergenic	NM_001020629	hrasb	5.428743418	7.491190394	-2.062446976	7.63E-06
peak_15477	chr19	24484014	24484690	16271	intron (NM_213460, intron 1 of 3)	NM_213460	syt11a	5.236385727	7.298985035	-2.062599308	2.57E-06
peak_25492	chr17	36340101	36340543	-281587	Intergenic	NM_131336	sox11a	4.104231123	6.166860794	-2.062629671	0.000462
peak_39589	chr18	18426724	18427216	21192	intron (NM_001044310, intron 14 of 21)	NM_001040035	aars	1.984009138	4.046667097	-2.062657959	0.016852
peak_25545	chr13	27135968	27136344	-113080	Intergenic	NM_201170	vrk2	3.857496901	5.920229377	-2.062732476	0.000471
peak_20954	chr1	21340900	21341302	-54944	Intergenic	NM_001042684	chrna6	4.088808875	6.151559925	-2.062751051	6.55E-05
peak_17159	chr9	14166198	14166832	156691	Intergenic	NM_001076586	abi2a	5.32864161	7.391568341	-2.062926731	7.78E-06
peak_30677	chr11	26045588	26046063	-45109	intron (NM_199517, intron 3 of 15)	NM_131569	trpc4apa	4.252657886	6.315636326	-2.06297844	0.002412
peak_24015	chr6	2128909	2129380	64723	intron (NM_001083853, intron 2 of 9)	NM_001083853	pbx1b	4.135913813	6.198906389	-2.062992576	0.000258
peak_36340	chr21	36654173	36654613	-82618	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	3.467052111	5.530372835	-2.063320724	0.009213
peak_13101	chr7	55998314	55999697	70923	intron (NM_001077575, intron 12 of 12)	NM_001077575	trip4	7.368662153	9.432096746	-2.063434593	3.89E-07
peak_22900	chr6	53808913	53809337	11289	intron (NM_001013503, intron 2 of 14)	NM_001013503	cacna2d2	4.139660669	6.203113816	-2.063453147	0.000161
peak_22394	chr10	4144569	4145590	91001	Intergenic	NM_200920	pitpnb	5.140907462	7.204461008	-2.063553546	0.00013
peak_35895	chr9	29685053	29685759	-36820	Intergenic	NM_001044782	zgc:162396	3.684926177	5.748586077	-2.063659901	0.008351
peak_20124	chr21	14189678	14190264	-57892	Intergenic	NM_131218	lhx5	5.862817916	7.92652501	-2.063707094	4.42E-05
peak_13594	chr5	69676706	69677295	68247	Intergenic	NM_001013309	htatip	6.05835458	8.12278565	-2.06443107	6.00E-07
peak_20332	chr13	46577657	46578169	30198	Intergenic	NM_001004108	bsdc1	4.503485619	6.567979595	-2.064493976	4.92E-05
peak_14811	chr18	81274	83517	-32085	Intergenic	NM_001030061	trpm7	8.413106528	10.47795398	-2.064847454	1.58E-06
peak_36596	chr21	20009056	20009611	-2707	Intergenic	NM_001007384	ftsj1	0.944570835	3.009654494	-2.06508366	0.00973
peak_18370	chr14	36266862	36267602	157672	Intergenic	NM_001007108	il12ba	6.285209216	8.350398846	-2.06518963	1.67E-05
peak_24761	chr19	2374919	2375183	-60447	intron (NM_198819, intron 28 of 28)	NM_001007153	twistnb	3.238682765	5.303931414	-2.065248649	0.000353
peak_34431	chr17	50701443	50701735	76503	Intergenic	NM_001122849	acyp1	2.834474036	4.899894673	-2.065420637	0.006095
peak_21788	chr13	20336162	20336835	-288055	Intergenic	NM_131730_1	gfra1a	5.423117823	7.488541632	-2.065423809	9.84E-05
peak_33659	chr15	47013284	47013717	81456	Intergenic	NM_001098772	zgc:165502	4.344515472	6.410039775	-2.065524303	0.005105
peak_37788	chr22	38791402	38791771	399941	Intergenic	NM_001113587	hykk.2	3.19853316	5.264204977	-2.065671817	0.012256
peak_32082	chr8	46165916	46166275	-195008	Intergenic	NM_001130631	ulk1a	3.307048351	5.373099169	-2.066050817	0.003496
peak_15645	chr16	54752286	54752933	15552	Intergenic	NM_001142543	hmgn2	7.234334482	9.30045372	-2.066119237	2.91E-06
peak_38289	chr5	74099823	74100327	159236	Intergenic	NM_001017876_1	fsip1	2.935977657	5.002272674	-2.066295016	0.01349
peak_39369	chr9	31742909	31743296	-10254	Intergenic	NM_001109865	klf12b	1.831388386	3.898066049	-2.066677663	0.016258
peak_40880	chr7	40265846	40266177	-24062	Intergenic	NM_001243038	creb3l1	3.344452335	5.411285031	-2.066832696	0.020846
peak_13821	chr16	41468516	41469612	-138130	Intergenic	NM_001002427	eny2	7.065941806	9.132989361	-2.067047555	7.23E-07
peak_19075	chr12	25811407	25812009	-43008	Intergenic	NM_001080021	nrxn1a	5.561130955	7.628215017	-2.067084062	2.47E-05
peak_21748	chr10	29903490	29904179	24658	intron (NM_200927, intron 1 of 19)	NM_200927	picalma	5.486912637	7.554127335	-2.067214698	9.65E-05
peak_14705	chr21	22461304	22462674	123500	intron (NM_199635, intron 4 of 4)	NM_199635	zbtb16a	6.380352505	8.447684955	-2.06733245	1.46E-06
peak_19729	chr6	14848051	14848460	-1755	Intergenic	NM_201447	pou3f3b	3.964424746	6.031837293	-2.067412547	3.52E-05
peak_21152	chr16	4537699	4538281	-104275	Intergenic	NM_001110349	vegfaa	5.261315727	7.328843865	-2.067528138	7.24E-05
peak_27946	chr12	26715682	26716110	13332	Intergenic	NM_199974	cox7a3	3.623713297	5.691277025	-2.067563728	0.001086
peak_26218	chr7	70464374	70464952	-33568	Intergenic	NM_199682	ap1g1	4.521841655	6.58943279	-2.067591134	0.000593
peak_15570	chr16	6603569	6604130	108988	Intergenic	NM_001020563	echdc1	5.540911861	7.608534735	-2.067622874	2.74E-06
peak_17398	chr25	26181881	26182548	-19025	Intergenic	NM_001017623	hrasa	5.56156939	7.629215076	-2.067645685	9.13E-06
peak_23353	chr17	20650466	20651584	-102819	Intergenic	NM_212564	cdk1	6.309039283	8.376857125	-2.067817842	0.000194
peak_14494	chr3	33234808	33235653	15454	intron (NM_131399, intron 1 of 7)	NM_131399	rarab	6.204455872	8.272370467	-2.067914594	1.26E-06
peak_24629	chr23	39077639	39078047	31775	Intergenic	NM_001080609	sall4	4.194866279	6.262835307	-2.067969028	0.000334
peak_39835	chr23	34433438	34433687	74590	intron (NM_001005584, intron 6 of 7)	NM_001005584	chchd6a	2.091390725	4.159481441	-2.068090716	0.017528
peak_42336	chr8	26411589	26411937	46711	Intergenic	NM_213456	stk38a	3.157090365	5.225519323	-2.068428958	0.025758
peak_33806	chr15	3741572	3742012	7412	Intergenic	NM_001080055	lpar6a	3.073219981	5.141698783	-2.068478802	0.005264
peak_27036	chr9	6760294	6761059	-57991	Intergenic	NM_131150	pou3f3a	5.314282074	7.382860142	-2.068578068	0.000786
peak_38083	chr20	51714164	51714565	9356	exon (NM_205553, exon 4 of 9)	NM_205553	rnf8	3.139733435	5.208413858	-2.068680423	0.012968
peak_27384	chr11	17884552	17884753	328864	Intergenic	NM_001077273	fam19a4b	3.093967964	5.162674118	-2.068706155	0.000887
peak_28656	chr23	34607523	34607828	248703	Intergenic	NM_001005584	chchd6a	3.104231123	5.172943242	-2.068712119	0.001352
peak_19491	chr21	22524654	22525227	60549	intron (NM_199635, intron 2 of 4)	NM_199635	zbtb16a	5.50397019	7.572690762	-2.068720572	3.07E-05
peak_29341	chr13	31020260	31020589	-7576	Intergenic	NM_178307	cxcl12a	3.733765494	5.802498976	-2.068733482	0.001681
peak_36048	chr15	23008889	23009417	-1446	Intergenic	NM_001077178	klc3	3.607465695	5.676598934	-2.069133239	0.008611
peak_34292	chr7	65267539	65268315	24055	Intergenic	NM_131287	sox17	4.831388386	6.900530274	-2.069141888	0.00589
peak_36976	chr7	69871819	69872459	68909	Intergenic	NM_200876	dhx38	3.862128275	5.931288889	-2.069160613	0.010532
peak_18027	chr5	19172361	19173000	-386307	Intergenic	NM_001100015	chfr	4.822913981	6.89211619	-2.069202209	1.38E-05
peak_40778	chr3	8993221	8993637	100712	Intergenic	NM_131836_1	sim2	3.313826142	5.383092976	-2.069266834	0.020511
peak_40587	chr21	17891565	17891977	5738	Intergenic	NM_001002475	nkx6.1	2.247969535	4.317457559	-2.069488023	0.019908
peak_27536	chr9	19199333	19199760	153635	Intergenic	NM_212745	tsc22d1	4.179174711	6.248825556	-2.069650845	0.000937
peak_21834	chr20	30808710	30809078	80418	Intergenic	NM_212997	acbd3	4.406017464	6.475866038	-2.069848575	0.000101
peak_23727	chr8	45648634	45649105	-31657	Intergenic	NM_001007032	ncor2	4.799327975	6.869195791	-2.069867816	0.000228
peak_23907	chr3	24227436	24227849	-124078	Intergenic	NM_199746	cbx1a	3.459077363	5.529117559	-2.070040196	0.000247
peak_28304	chr5	13597189	13597637	-120389	intron (NM_001144041, intron 5 of 19)	NM_001111087	zgc:171242	2.742004936	4.812605138	-2.070600203	0.001212
peak_14051	chr24	35955274	35956785	69351	intron (NM_131456, intron 7 of 17)	NM_131456	ctnna1	6.971294965	9.041912352	-2.070617386	8.84E-07
peak_25593	chr10	28116061	28116583	384709	Intergenic	NM_152948	cxadr	4.448039606	6.518768875	-2.07072927	0.000479
peak_14814	chr6	56225758	56226386	106695	Intergenic	NM_001008576_1	tfap2c	6.069566386	8.140297049	-2.070730663	1.59E-06
peak_16384	chr5	37810826	37811511	117683	Intergenic	NM_131805	efnb1	5.521841655	7.59262043	-2.070778775	4.85E-06
peak_19135	chr15	40707344	40707960	103399	Intergenic	NM_001007768	farsb	5.073181882	7.143999625	-2.070817743	2.55E-05
peak_22841	chr19	3081035	3081533	-27683	intron (NM_205630, intron 10 of 10)	NM_001161487	tomm7	5.604810167	7.675706931	-2.070896764	0.000157
peak_31105	chr7	34449246	34449473	1	promoter-TSS (NM_001001843)	NM_001001843	tph1b	2.091390725	4.162431974	-2.071041248	0.00269
peak_20159	chr4	25467688	25468174	-46344	Intergenic	NM_001002629	tnni1d	4.755952357	6.827058685	-2.071106328	4.49E-05
peak_20534	chr11	20221977	20222480	-26711	Intergenic	NM_212668	namptb	4.852178391	6.923346643	-2.071168251	5.38E-05
peak_29826	chr2	27934404	27934720	54513	Intergenic	NM_201330	dhcr7	3.030649868	5.101920285	-2.071270417	0.001928
peak_23944	chr15	6595272	6595678	-48952	Intergenic	NM_001079946	gltscr2	4.119564041	6.191036798	-2.071472757	0.000251

peak_21849	chr22	13059184	13059701	5592	intron (NM_001083056, intron 2 of 6)	NM_001083056	mfsd6a	4.648470066	6.720147716	-2.07167765	0.000102
peak_16132	chr23	17255825	17256421	15794	intron (NM_001025450, intron 2 of 21)	NM_001025450	dnmt4	5.355265922	7.426981692	-2.071715769	4.09E-06
peak_18424	chr22	3613091	3613899	235412	Intergenic	NM_001013507	timm44	4.825242463	6.897003499	-2.071761036	1.71E-05
peak_18718	chr16	35062024	35062453	11180	Intergenic	NM_001114427	zgc:172323	4.635260365	6.707107405	-2.07184704	2.01E-05
peak_13393	chr23	2364309	2365194	-70579	Intergenic	NM_131230	tcp1	6.890953771	8.962882981	-2.07192921	5.09E-07
peak_17516	chr23	7909482	7910113	125511	Intergenic	NM_001100145	kif3b	4.526618979	6.598582918	-2.071963939	9.89E-06
peak_18842	chr22	40129276	40129689	206202	Intergenic	NM_213118	sox2	4.719649537	6.791810734	-2.072161198	2.17E-05
peak_26255	chr16	4608399	4608829	-33651	Intergenic	NM_001110349	vegfaa	3.453067239	5.525288343	-2.072221104	0.0006
peak_25732	chr1	59650407	59651021	26415	Intergenic	NM_001080640	tmed1b	3.500574775	5.573181023	-2.072606248	0.000502
peak_19285	chr6	52703859	52704392	-27647	Intergenic	NM_200357	oser1	4.163239007	6.236259866	-2.073020859	2.76E-05
peak_16668	chr19	31894176	31894711	15430	intron (NM_001003606, intron 1 of 11)	NM_001003606	fam49a	5.540911861	7.613933926	-2.073022065	5.81E-06
peak_20656	chr12	34258044	34258441	-97920	Intergenic	NM_130982	nog3	3.636144784	5.709237172	-2.073092387	5.73E-05
peak_43834	chr5	23120848	23121257	49497	Intergenic	NM_001114691	sh2d1aa	3.057306726	5.130448897	-2.073142171	0.03231
peak_17167	chr9	22706714	22707663	-48891	Intergenic	NM_001002483	sox1a	5.420010088	7.493163639	-2.073153551	7.81E-06
peak_15160	chr6	21113367	21114389	83729	Intergenic	NM_205740	barhl2	6.490081487	8.56324936	-2.073167874	2.03E-06
peak_17955	chr19	26191085	26192383	-12305	intron (NM_212563, intron 2 of 2)	NM_001003475	bloc1s4	5.709577005	7.782805962	-2.073228958	1.33E-05
peak_18597	chr10	38453721	38454269	-24239	Intergenic	NM_001077461	cuedc1a	4.609320918	6.682562454	-2.073241536	1.88E-05
peak_17490	chr2	10773156	10773853	45040	intron (NM_001130643, intron 4 of 17)	NM_001130643	ssbp3a	5.376652936	7.450601808	-2.073948872	9.69E-06
peak_16235	chr6	52967684	52968183	33024	Intergenic	NM_199788	fam212ab	5.584255219	7.658310638	-2.074055419	4.37E-06
peak_24699	chr7	27283640	27284120	-14669	Intergenic	NM_001123054	si:ch211-138a11.	4.169361555	6.24397586	-2.074614305	0.000345
peak_26073	chr14	4870674	4871109	-173254	Intergenic	NM_001017822_1	zgc:110204	4.010249339	6.084954387	-2.074705047	0.000565
peak_14911	chr5	50482299	50483334	16578	intron (NM_001001845, intron 1 of 89)	NM_001001845	gpr98	6.009245597	8.083979579	-2.074733982	1.69E-06
peak_33457	chr14	14987067	14987379	17821	exon (NM_001039922, exon 10 of 12)	NM_001039922	slc43a3b	2.981227592	5.056029959	-2.074802367	0.00488
peak_38048	chr5	22167787	22168253	-36847	intron (NM_201295, intron 2 of 10)	NM_001258229	selplg	3.753461665	5.828680688	-2.075219022	0.012889
peak_16096	chr15	43099945	43100950	-27727	intron (NM_001033752, intron 11 of 16)	NM_001099235_1	zgc:165514	6.510538212	8.585795637	-2.075257425	4.00E-06
peak_29231	chr15	6169073	6169498	-179425	Intergenic	NM_001005991	zgc:103530	4.149677235	6.22525223	-2.075574994	0.001626
peak_16867	chr7	43400137	43400994	-213074	Intergenic	NM_131063	shha	5.703236541	7.778857013	-2.075620472	6.52E-06
peak_18771	chr25	19149479	19149944	75083	intron (NM_001007124, intron 13 of 19)	NM_001007124	met	4.782650538	6.858360592	-2.075710054	2.08E-05
peak_16168	chr5	68751757	68752313	19413	intron (NM_131302, intron 2 of 33)	NM_131302	notch1b	5.491318164	7.56705265	-2.075734486	4.19E-06
peak_18866	chr9	16136763	16137199	-341455	Intergenic	NM_200144	upp2	4.360658081	6.436468163	-2.075810083	2.20E-05
peak_28146	chr5	2067203	2067591	5417	exon (NM_131580, exon 3 of 8)	NM_131580	rplp0	3.50251599	5.578418008	-2.075902018	0.001157
peak_24053	chr3	8962314	8962920	-92703	Intergenic	NM_001014360	zgc:113250	4.509346067	6.585441644	-2.076095577	0.000263
peak_24970	chr17	11197791	11198368	-4708	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	4.432850718	6.509000473	-2.076149755	0.000382
peak_37169	chr24	31692866	31693488	14322	intron (NM_001013562, intron 3 of 8)	NM_001013562	ptbp2a	1.618352549	3.694557532	-2.076204983	0.010952
peak_17986	chr25	15173265	15174053	42928	Intergenic	NM_200452	dnajc24	6.44553392	8.521788079	-2.07625416	1.36E-05
peak_23749	chr20	16354898	16355191	-91453	Intergenic	NM_212788	echdc2	3.164465597	5.24079354	-2.076327942	0.00023
peak_20914	chr2	56843866	56844368	61253	Intergenic	NR_105069		4.778651141	6.855037264	-2.076386122	6.44E-05
peak_30424	chr9	8023287	8023645	257798	Intergenic	NM_001009886	mnx2a	3.236351702	5.312899508	-2.076547807	0.002267
peak_39273	chr23	11225125	11225514	-255077	Intergenic	NM_001163106	chl1a	1.205700064	3.282881067	-2.077181003	0.016017
peak_24714	chr9	46414784	46415055	256297	Intergenic	NM_001099232	zgc:165571	3.537128982	5.614406285	-2.077277303	0.000346
peak_28608	chr2	32861161	32861548	-46149	Intergenic	NM_001076570	rnf220a	3.498630944	5.575992806	-2.077361862	0.001336
peak_16529	chr6	11746091	11746694	-23332	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	5.205665308	7.283171958	-2.07750665	5.36E-06
peak_32567	chr1	43104282	43104640	442225	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	3.049361258	5.126935516	-2.077574259	0.003951
peak_20076	chr19	7391870	7392212	5263	intron (NM_001245959, intron 1 of 5)	NM_001245959	pvrl2l	3.60023239	5.677854378	-2.077621988	4.31E-05
peak_25002	chr4	16477657	16477923	-239	promoter-TSS (NM_200551)	NM_200551	pah	3.535233816	5.612882451	-2.077648635	0.000388
peak_42349	chr3	62658352	62658713	90472	Intergenic	NM_001105129	srebf1	2.247969535	4.325674069	-2.077704533	0.025816
peak_17534	chr12	41621524	41622223	1270472	Intergenic	NM_001099246	abca5	6.049419357	8.127160094	-2.077740737	1.00E-05
peak_25071	chr24	10786493	10786864	61855	Intergenic	NM_001017844	chmp4c	4.177960568	6.255758473	-2.077797905	0.000398
peak_15149	chr17	27226103	27226903	-25271	Intergenic	NM_001017678	ppie	6.541384024	8.61919893	-2.077814906	2.01E-06
peak_43417	chr23	33174646	33175219	-329012	Intergenic	NR_029935		3.607465695	5.685351656	-2.077885961	0.030495
peak_16792	chr8	37820603	37821404	-90772	Intergenic	NM_001007207	gpkow	6.114141449	8.192170793	-2.078029344	6.29E-06
peak_13150	chr8	26855817	26857320	-1963	Intergenic	NR_030246		8.416793252	10.49487589	-2.078082641	4.07E-07
peak_18673	chr2	55363500	55363941	51847	exon (NM_200150, exon 4 of 9)	NM_001083017_1	rnf126	4.127133121	6.205533054	-2.078399933	1.96E-05
peak_21088	chr8	30403670	30404095	-38168	intron (NM_001004123, intron 14 of 15)	NM_131091	atoh1a	4.090100377	6.168501092	-2.078400714	7.00E-05
peak_15383	chr10	1868091	1869186	-9659	Intergenic	NM_001143840	apc	6.911779306	8.990262749	-2.078483443	2.38E-06
peak_29302	chr20	35341900	35342196	62004	Intergenic	NM_200108_1	znf395	2.621928594	4.700483117	-2.078554524	0.001665
peak_20662	chr11	22915611	22916100	171902	intron (NM_001199491, intron 15 of 17)	NM_001199491	foxp4	4.336856522	6.415527745	-2.078671223	5.74E-05
peak_20665	chr1	28757996	28758611	14920	intron (NM_212728, intron 9 of 16)	NM_212728	tm9sf2	5.136575428	7.215258371	-2.078682943	5.77E-05
peak_19896	chr14	36306144	36306567	196795	Intergenic	NM_001007108	il12ba	4.652897542	6.731619924	-2.078722381	3.87E-05
peak_22272	chr4	8999360	8999713	25766	intron (NM_001045158, intron 1 of 39)	NM_001045158	sbf1	3.92580277	6.004559642	-2.078756872	0.000123
peak_22458	chr8	22307796	22308217	386635	Intergenic	NM_001040382	si:dkey-24f17.5	4.22346309	6.302414142	-2.078951052	0.000133
peak_16205	chr23	27228839	27229634	9428	intron (NM_001044396, intron 2 of 4)	NM_001044396	rnd1l	6.804288928	8.883384447	-2.07909552	4.30E-06
peak_20919	chr1	21779648	21780232	154100	Intergenic	NM_212731	gtf2e2	4.539021661	6.618368757	-2.079347095	6.45E-05
peak_26850	chr7	32926051	32926440	-150309	Intergenic	NM_001199362	cilp	3.438945476	5.518382055	-2.07943658	0.000741
peak_25094	chr16	35520471	35520710	43071	Intergenic	NM_001020635	rragca	2.964424746	5.043891082	-2.079466337	0.000402
peak_20320	chr3	26574308	26575116	81695	intron (NM_001172397, intron 7 of 10)	NM_001172397	xylt1	5.315451208	7.394938981	-2.079487773	4.88E-05
peak_21291	chr17	42345581	42346099	48452	Intergenic	NM_130949	foxa2	4.212831541	6.292459622	-2.079628082	7.70E-05
peak_34311	chr2	34496879	34497166	-340438	Intergenic	NM_001089542	rfwd2	3.20331505	5.282964246	-2.079649196	0.005922
peak_23382	chr23	36226467	36226914	-2958	Intergenic	NM_131531	hoxc1a	4.726309548	6.805991967	-2.079682419	0.000197
peak_41546	chr14	37423344	37423938	-22964	Intergenic	NM_130975	pitx2	4.519023592	6.598742463	-2.079718871	0.023091
peak_13891	chr22	18853371	18854246	-83456	Intergenic	NM_200017	cirbp	6.858087693	8.937980985	-2.079893292	7.65E-07
peak_13295	chr7	17186401	17187300	72636	intron (NM_001017735, intron 4 of 6)	NM_001017735	mpped2a	8.620434527	10.70051227	-2.080077744	4.62E-07
peak_13837	chr5	5043676	5044962	76619	intron (NM_001025168, intron 2 of 8)	NM_001025168	lmx1ba	6.628361738	8.708581307	-2.08021957	7.33E-07
peak_15093	chr22	24585051	24586137	-33544	Intergenic	NR_029937		5.944886133	8.025334774	-2.080448641	1.94E-06
peak_17338	chr17	30363190	30363942	99198	Intergenic	NM_001142264	spata17	4.981268198	7.061791686	-2.080523488	8.70E-06
peak_20552	chr6	3532610	3533149	4165	intron (NM_199547, intron 5 of 11)	NM_199547	ssb	3.993783045	6.074321731	-2.080538686	5.46E-05
peak_26258	chr18	9683307	9683630	75322	Intergenic	NM_001100024	LOC566572	3.843780917	5.924442012	-2.080661095	0.0006
peak_35733	chr20	18965996	18966299	21345	intron (NM_001012257_1, intron 4 of 5)	NM_001012257_1	xkr6	3.20331505	5.284017131	-2.080702081	0.008098
peak_27989	chr13	25166208	25166771	99742	intron (NM_001272084, intron 9 of 10)	NM_001110395	zgc:172281	4.097825209	6.178541982	-2.080716773	0.001101
peak_42476	chr17	25583481	25583989	64547	intron (NM_001044931, intron 9 of 10)	NM_001044931	kcnh1a	2.941712126	5.022457084	-2.080744958	0.026338
peak_28942	chr6	44164602	44164900	36102	Intergenic	NM_001110371	ppp4r2b	3.335768134	5.41652093	-2.080752796	0.001486
peak_38671	chr21	8448406	8448933	143279	Intergenic	NM_001076741	esm1	3.753461665	5.834492034	-2.081030369	0.014363
peak_14297	chr14	27606414	27607163	-61193	Intergenic	NM_182862	tgfbi	6.678059371	8.759141352	-2.081081982	1.06E-06
peak_39647	chr21	20362853	20363271	39598	intron (NM_001014304, intron 2 of 6)	NM_001014304	pvrl3b	4.017055211	6.098168507	-2.081113296	0.016991
peak_17612	chr12	30244659	30245182	-52430	Intergenic	NM_001170599	tbx21	4.95594936	7.037160886	-2.081211525	1.07E-05
peak_16113	chr15	14555202	14556043	19995	intron (NM_205762, intron 1 of 7)	NM_205762	traf4a	6.241915734	8.323148913	-2.081233179	4.03E-06
peak_25447	chr17	14463577	14463831	48630	intron (NM_001204257, intron 8 of 17)	NM_001204257	ppp1r13ba	3.397697102	5.479126093	-2.081428991	0.000456
peak_23741	chr6	44796799	44797277	-463756	Intergenic	NM_001256392	pdzrn3b	3.55032589	5.631830304	-2.081504414	0.000229
peak_42979	chr13	34346823	34347101	-295327	intron (NM_200549, intron 5 of 19)	NM_001256646	flrt3	2.941712126	5.023240068	-2.081527942	0.028565
peak_40213	chr12	38701423	38701857	135875	Intergenic	NM_001040355	pmp22b	3.898051465	5.979662254	-2.08161079	0.01864
peak_23432	chr19	37187927	37188272	-43532	Intergenic	NM_001082901	col8a2	3.924355407	6.006032963	-2.081677556	0.0002
peak_27907	chr9	6953061	6953549	15756	Intergenic	NM_001013320	tmem182	4.171803318	6.253594782	-2.081791464	0.001068
peak_26556	chr7	38310457	38311125	289870	Intergenic	NR_036681		4.153388562	6.235221534	-2.081832972	0.000665
peak_21523	chr5	67377687	67378055	-5665	Intergenic	NM_001278808	pappab	3.933017882	6.014896827	-2.081878945	8.63E-05
peak_14034	chr19	46863482	46864389	-2796	Intergenic	NM_001083814	ptpro	7.954688516	10.03657562	-2.081887105	8.67E-07
peak_14933	chr5	19128170	19129254	-430275	Intergenic	NM_001100015	chfr	6.804485634	8.886378416	-2.081892782	1.71E-06
peak_17312	chr5	19313390	19313900	-245342	Intergenic	NM_001100015	chfr	4.723815645	6.805801403	-2.081985758	8.59E-06
peak_21583	chr11	22390566	22390972	27543	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	4.259561525	6.341689737	-2.082128212	8.93E-05
peak_16351	chr11	3144024	3144665	-12694	intron (NM_201028, intron 13 of 19)	NR_030505		5.288604559	7.371120904	-2.082516344	4.75E-06
peak_14119	chr9	4939358	4940631	111153	Intergenic	NM_001113484	nr4a2a	7.000151707	9.082777016	-2.082625309	9.31E-07
peak_18591	chr1	47781472	47782076	106138	Intergenic	NM_001003579	morc3b	5.364932445	7.447819181	-2.082886736	1.87E-05
peak_38333	chr20	55536945	55537564	-249001	Intergenic	NM_001098396	zgc:158463	1.205700064	3.288686769	-2.082986705	0.013598
peak_23594	chr24	24227429	24228020	51608	Intergenic	NM_001075111	hnf4g	4.030649868	6.113712044	-2.083062176	0.000215
peak_19912	chr5	74904164	74904598	-10484	Intergenic	NM_131208	lhx3	4.285789361	6.368963641	-2.083174279	3.90E-05
peak_22035	chr4	5573687	5574234	-9454	Intergenic	NM_001089378	tmem63a	4.571801766	6.655937086	-2.08413532	0.000111

peak_21401	chr24	32516427	32517189	-2581	Intergenic	NR_045229_1		4.200856343	6.285077872	-2.08422153	8.15E-05
peak_27878	chr3	53645051	53645910	7496	intron (NM_131447, intron 1 of 7)	NM_131447	pbx4	5.190091391	7.27445449	-2.084363099	0.001059
peak_20945	chr8	41995568	41996052	32819	intron (NM_200415, intron 13 of 13)	NM_200415	ggt1a	4.228163191	6.31255341	-2.084390219	6.52E-05
peak_27326	chr6	14416708	14417971	-214431	Intergenic	NM_001128547	inpp4ab	5.166303529	7.250703069	-2.08439954	0.000869
peak_22059	chr10	45803888	45804386	23375	intron (NM_001134725, intron 1 of 20)	NM_001134725	adrbk2	5.200293341	7.284715065	-2.084421724	0.000112
peak_25805	chr16	10009961	10010520	-46411	Intergenic	NM_001289913	cobl	4.573649529	6.658254925	-2.084605396	0.000515
peak_18035	chr12	30740010	30740744	-44063	Intergenic	NM_001079816	mxtx2	5.10746065	7.192101479	-2.084640829	1.39E-05
peak_20142	chr5	57618544	57618840	-59336	Intergenic	NM_131207	lhx1b	3.540911861	5.625834532	-2.084922671	4.46E-05
peak_20958	chr3	24428584	24429544	41866	Intergenic	NR_030095		5.795793521	7.880727575	-2.084934054	6.56E-05
peak_13399	chr13	37519112	37519780	81359	Intergenic	NM_174862	esr2b	6.833759465	8.918835539	-2.085076074	5.09E-07
peak_36610	chr22	29219571	29219825	-711774	Intergenic	NM_001003584	jagn1b	2.570823028	4.656074062	-2.085251034	0.009753
peak_29466	chr18	47031527	47031912	32315	intron (NM_131348, intron 5 of 8)	NM_001045169	kcnj1a.5	4.106785545	6.192191877	-2.085406332	0.001739
peak_24883	chr3	54626263	54626685	-11696	Intergenic	NM_001190756	col5a3a	3.73706692	5.822479592	-2.085412672	0.000372
peak_28987	chr17	12181737	12182371	66578	intron (NM_131434, intron 4 of 7)	NM_131434	snap25b	4.826747503	6.912209697	-2.085462194	0.001505
peak_15081	chr19	40636376	40636905	-349747	Intergenic	NM_213278	sfpq	5.407602421	7.49316182	-2.085559399	1.92E-06
peak_26456	chr12	49088431	49088949	40876	intron (NM_001276496, intron 18 of 30)	NM_001276496	polr3a	4.263000995	6.348606688	-2.085605693	0.000641
peak_15070	chr12	1760938	1761577	90829	Intergenic	NM_001045248_1	usp22	5.396131678	7.481763687	-2.085632009	1.91E-06
peak_26575	chr7	49723830	49724182	-3589	Intergenic	NM_200259	rbpms2b	3.669457996	5.75516568	-2.085707684	0.000668
peak_26132	chr23	45609728	45610238	-4441	Intergenic	NM_131669	atp1b2a	4.283533241	6.369357025	-2.085823784	0.000576
peak_16317	chr21	36545228	36545779	-25676	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	5.709156807	7.795016418	-2.08585961	4.64E-06
peak_18313	chr24	9246846	9247828	-152689	Intergenic	NM_199567	tgif1	5.459606226	7.545569043	-2.085962818	1.63E-05
peak_30136	chr11	33328355	33329216	206716	Intergenic	NM_001160822	pcdh17	1.812734601	3.899055011	-2.08632041	0.002105
peak_26766	chr20	33247796	33248376	34015	Intergenic	NM_001197324	ddx1	4.355234589	6.441560048	-2.086325459	0.000719
peak_15993	chr10	39019144	39019816	186019	intron (NM_212796, intron 7 of 16)	NM_212796	msi2a	5.484921659	7.571668728	-2.086747069	3.74E-06
peak_24698	chr5	45976291	45976651	11134	intron (NM_001122786, intron 9 of 18)	NM_001122786	tars	4.149677235	6.236527742	-2.086850507	0.000344
peak_16829	chr1	46696977	46697401	5749	Intergenic	NM_001037662	sox1b	5.262461734	7.349875135	-2.0874134	6.39E-06
peak_18250	chr14	45086960	45087354	278679	Intergenic	NM_182885	pcdh10b	4.518008373	6.605433372	-2.087424999	1.57E-05
peak_21711	chr13	7510643	7511002	-107856	Intergenic	NM_001037101	hells	4.105508899	6.193197227	-2.087688328	9.44E-05
peak_31831	chr19	39536496	39536895	129858	Intergenic	NM_001002733	nxph1	2.938847741	5.026565579	-2.087717838	0.003293
peak_24451	chr25	6558866	6559287	17647	Intergenic	NM_214697	psma4	3.344452335	5.432287664	-2.087835328	0.00031
peak_17057	chr4	13596711	13597207	-44745	Intergenic	NM_001161600	plxnb2a	5.069219889	7.157244517	-2.088024628	7.28E-06
peak_16403	chr17	16556271	16557259	-39761	Intergenic	NM_001033743	ston2	6.08844812	8.176734409	-2.088286289	4.93E-06
peak_23371	chr10	1632025	1632631	30822	intron (NM_200156, intron 25 of 33)	NM_200156	nup155	4.357443976	6.446017868	-2.088573892	0.000196
peak_14339	chr10	13511521	13512449	-151502	intron (NM_001098242, intron 3 of 8)	NM_001099446	LOC556326	6.791818867	8.880418538	-2.088599671	1.09E-06
peak_18633	chr15	26526255	26526731	-186793	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	5.082296101	7.170940886	-2.088644784	1.92E-05
peak_24779	chr6	58441747	58441999	16494	Intergenic	NM_001013289	arfrp1	3.157090365	5.245942586	-2.088852221	0.000357
peak_22166	chr3	10340415	10340753	108608	intron (NR_105067, intron 4 of 5)	NM_199761	rnps1	4.120828315	6.210005012	-2.089176697	0.000117
peak_12823	chr15	3432767	3433616	39272	Intergenic	NM_001077257	foxo1a	6.982843574	9.072026628	-2.089183054	2.96E-07
peak_14991	chr13	49707816	49709126	17382	Intergenic	NM_001003463	ntpcr	7.334390599	9.423677422	-2.089286823	1.78E-06
peak_23696	chr19	1905129	1905417	38272	intron (NM_198819, intron 2 of 28)	NM_198819	ptk2aa	3.331406352	5.4207189	-2.089312548	0.000225
peak_27327	chr3	34474369	34474710	155186	Intergenic	NM_213197	znf207a	3.428773195	5.518163766	-2.089390572	0.000869
peak_25004	chr2	19558269	19559566	60153	Intergenic	NM_131615	pbx1a	6.053066316	8.142726479	-2.089660163	0.000388
peak_15739	chr1	25141202	25141744	139389	Intergenic	NM_205662	ppa2	5.555504813	7.645320577	-2.089815764	3.13E-06
peak_13908	chr7	19812303	19813716	2901	intron (NM_001127308, intron 2 of 8)	NM_001127308	dtx1	6.990308607	9.080271952	-2.089963345	7.77E-07
peak_22696	chr13	1184898	1185434	-5151	Intergenic	NM_001110393	olig3	5.135324884	7.225719825	-2.090394941	0.000148
peak_23258	chr5	36269537	36269805	-35148	Intergenic	NM_001114845	hexa	2.892054049	4.98256657	-2.090512521	0.000187
peak_24295	chr11	30439236	30439478	-7884	Intergenic	NM_001114908		3.494735408	5.585289399	-2.090553991	0.000293
peak_16764	chr23	33001350	33002277	370692	Intergenic	NM_200286	taf8	6.107760887	8.198485987	-2.0907251	6.19E-06
peak_40337	chr19	35730610	35731440	13610	intron (NM_001044778, intron 2 of 11)	NM_001044778	poc1bl	0.625495796	2.716232074	-2.090736278	0.019038
peak_42119	chr2	16111198	16111551	116745	Intergenic	NM_001256616	sh3glb1b	2.122017822	4.212791911	-2.090774089	0.025042
peak_36820	chr9	30772484	30772948	67855	intron (NM_001077576, intron 8 of 13)	NM_200271	rnaseh2b	3.945914844	6.036707975	-2.090793131	0.010153
peak_22912	chr23	45314217	45314598	10642	intron (NM_001201337_1, intron 1 of 1)	NM_001201337_1	LOC794400	3.219927938	5.310727934	-2.090799995	0.000162
peak_18112	chr19	4228618	4229120	-268808	Intergenic	NR_039149		4.682359636	6.773273974	-2.090914338	1.46E-05
peak_18364	chr20	43331183	43331724	-79389	Intergenic	NM_001044916	unc93a	4.687488159	6.778449722	-2.090961563	1.67E-05
peak_20067	chr7	38377435	38377823	356708	Intergenic	NR_036681		4.368129927	6.459093346	-2.090963418	4.29E-05
peak_19333	chr13	44359201	44359809	90564	Intergenic	NM_001160346	zfyve21	5.624133123	7.715270367	-2.091137244	2.83E-05
peak_29213	chr15	25915624	25915906	-27156	Intergenic	NM_001080010	serpinf2b	3.26649893	5.357714252	-2.091215322	0.001615
peak_18317	chr4	14634938	14635351	33759	intron (NM_214804, intron 4 of 9)	NM_214804	chchd3	4.831433437	6.922749212	-2.091315775	1.63E-05
peak_26828	chr17	11995124	11995412	-6859	Intergenic	NM_001114436	zgc:174379	3.229335828	5.320851375	-2.091515547	0.000735
peak_30970	chr16	23163882	23164234	-41613	Intergenic	NM_001110396	snx10b	2.559678887	4.65119684	-2.091517953	0.002601
peak_17914	chr1	54555133	54555956	-24684	Intergenic	NM_130954	dla	5.720900633	7.812486662	-2.091586029	1.30E-05
peak_34615	chr4	19958398	19958701	-183423	Intergenic	NM_001002463	syt1a	3.309268024	5.400964908	-2.091696884	0.006336
peak_14901	chr15	26563910	26564682	-148990	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	6.121757376	8.213539341	-2.091781966	1.68E-06
peak_23775	chr5	15404842	15405166	150705	Intergenic	NM_213066	hk2	3.953113131	6.044988077	-2.091874945	0.000234
peak_22263	chr4	1659870	1660396	2018	intron (NM_001004648, intron 1 of 4)	NM_001004648	nudt4b	5.123316747	7.21523325	-2.091916503	0.000122
peak_15559	chr7	25638458	25640869	421	exon (NM_001083839, exon 1 of 3)	NM_001083839	nat8l	8.146937878	10.23901365	-2.092075775	2.72E-06
peak_40063	chr8	54142903	54143265	68692	exon (NM_001245969, exon 34 of 44)	NM_001245969	cabin1	2.075829856	4.168113297	-2.092283441	0.018201
peak_31228	chr14	24320276	24320680	-248587	Intergenic	NM_001039461	med12	3.776199364	5.868755708	-2.092556345	0.002787
peak_30049	chr7	50042137	50042421	29449	intron (NM_001123242, intron 2 of 17)	NM_001123242	kcnq1	2.722150645	4.814741857	-2.092591212	0.002051
peak_36852	chr19	18448540	18448853	-4996	Intergenic	NR_030124		3.137236739	5.230317531	-2.093080792	0.010238
peak_22092	chr24	16765517	16765882	-1945	Intergenic	NM_001013284	mif4gdb	4.438945476	6.532124007	-2.093178532	0.000113
peak_22067	chr4	54041537	54042007	-442124	Intergenic	NM_001109740	zgc:173619	4.186438186	6.279731048	-2.093292861	0.000112
peak_36598	chr21	1961549	1962382	5197	intron (NM_001076605, intron 5 of 9)	NM_001076605	zgc:152948	1.224639552	3.318000551	-2.093361	0.009732
peak_22169	chr13	26868780	26869196	-58850	Intergenic	NM_212982	fancl	4.063971374	6.157543388	-2.093572014	0.000117
peak_27556	chr9	32374656	32375342	59461	Intergenic	NM_131558	zic2a	4.602044119	6.695692052	-2.093647933	0.000944
peak_26359	chr10	44492821	44493228	-22672	Intergenic	NM_001037124	atg10	2.964424746	5.05853351	-2.094108765	0.000623
peak_31758	chr20	25503035	25503490	7651	TTS (NM_001045202)	NM_001045200	si:dkey-183n20.1	3.580151749	5.674297266	-2.094145518	0.003237
peak_34405	chr20	15026060	15026600	1661	intron (NM_001015062, intron 1 of 3)	NM_001015062	myoc	3.440971353	5.535274103	-2.09430275	0.006064
peak_24988	chr7	47140632	47141097	-432426	Intergenic	NM_001020749	pop4	4.40912527	6.503467427	-2.094342158	0.000386
peak_30905	chr8	34196289	34196736	33443	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	3.496684491	5.591054661	-2.09437017	0.002556
peak_29996	chr10	13490225	13490795	-130027	intron (NM_001098242, intron 6 of 8)	NM_001099446	LOC556326	4.477074143	6.571535768	-2.094461625	0.002023
peak_22623	chr7	22412802	22413331	-28553	Intergenic	NM_001017564	zgc:113025	3.911263383	6.005789898	-2.094526515	0.000143
peak_14256	chr14	38956031	38956828	749530	Intergenic	NM_001048055	lect2l	6.439184085	8.533786543	-2.094602458	1.03E-06
peak_22736	chr13	44042918	44043335	13666	Intergenic	NM_001077794	dact2	4.029304008	6.124059091	-2.094755083	0.00015
peak_28929	chr9	23517038	23517318	118728	Intergenic	NM_001012390	crygs3	3.044039864	5.138942428	-2.094902565	0.001481
peak_29301	chr12	20893598	20894058	68039	intron (NM_001013509, intron 3 of 3)	NM_001013509	shisa9a	3.517952391	5.612936361	-2.09498397	0.001665
peak_31574	chr14	39877894	39878142	-166368	Intergenic	NM_001099453	rnasel3	2.66069094	4.755813133	-2.095122193	0.003062
peak_16144	chr16	34860421	34861321	-13420	Intergenic	NM_131160	pou3f2b	5.28916694	7.384418337	-2.095251397	4.12E-06
peak_13562	chr1	30692905	30694465	26199	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	7.170457047	9.265731815	-2.095274768	5.83E-07
peak_14846	chr21	19975522	19976441	30645	Intergenic	NM_001007384	ftsj1	6.095897876	8.191329454	-2.095431579	1.62E-06
peak_35129	chr9	24364491	24364885	27138	Intergenic	NM_213248	arl4cb	2.986785331	5.082287189	-2.095501858	0.007083
peak_43986	chr21	12541769	12542048	352308	Intergenic	NM_001172564	ehmt1b	3.322643025	5.418717005	-2.09607398	0.032889
peak_15204	chr10	32183691	32184310	4055	intron (NM_153654, intron 1 of 10)	NM_153654	pknox2	6.32286962	8.419261808	-2.096392188	2.10E-06
peak_15198	chr18	8515884	8516677	-35516	Intergenic	NM_001128343	grm3	6.692410749	8.788827218	-2.096416469	2.09E-06
peak_18308	chr14	26577825	26578347	8575	intron (NM_001199318, intron 1 of 3)	NM_001199318	cplx2	5.800534888	7.897055451	-2.096520563	1.62E-05
peak_23013	chr7	15256777	15257144	40	promoter-TSS (NR_045222)	NR_045222		3.344452335	5.441029807	-2.096577471	0.00017
peak_17775	chr12	1073897	1074834	-26955	Intergenic	NM_212974	tob1b	6.641245401	8.737847646	-2.096602245	1.19E-05
peak_23643	chr17	46046143	46046586	70695	Intergenic	NR_029933		3.986866231	6.083738631	-2.0968724	0.000219
peak_24035	chr2	46790128	46790503	-347576	Intergenic	NM_201020_1	gpc1b	3.273336808	5.370347719	-2.097010911	0.000261
peak_20826	chr7	46935462	46936126	355438	Intergenic	NM_001103194	uqcrfs1	5.236968832	7.334466318	-2.097497486	6.19E-05
peak_23595	chr9	52129714	52130624	344690	Intergenic	NM_001020575	fign	5.337368685	7.434908247	-2.097539562	0.000215
peak_13994	chr2	44846056	44846778	-7343	Intergenic	NM_001162502	ncapd2	6.3940418	8.491767268	-2.097725469	8.38E-07
peak_13829	chr23	21191207	21191911	39582	exon (NM_001146149, exon 7 of 9)	NM_001146149	pax7b	7.159399178	9.257150782	-2.097751604	7.25E-07
peak_17107	chr14	12730159	12730562	80241	exon (NM_001003847, exon 30 of 36)	NM_001003847	thoc2	4.44299439	6.54076106	-2.09776667	7.55E-06
peak_22195	chr12	44157903	44158690	124342	intron (NM_001080602, intron 10 of 15)	NM_001080602	ebf3	5.25841321	7.356304327	-2.097891117	0.000118

peak_34039	chr23	45307504	45307983	3978	intron (NM_001201337_1, intron 1 of 1)	NM_001201337_1	LOC794400	3.745287581	5.843178739	-2.097891158	0.005567
peak_17539	chr10	28045247	28046088	314054	Intergenic	NM_152948	cxadr	5.68663467	7.784876321	-2.098241651	1.01E-05
peak_41044	chr12	36781792	36782150	-82855	Intergenic	NM_200770	fscn2b	1.467052111	3.565299637	-2.098247526	0.021478
peak_20989	chr17	32606725	32607118	-31138	Intergenic	NM_001077604	klf11b	3.592962636	5.691390162	-2.098427526	6.66E-05
peak_15831	chr5	21352277	21352781	74998	Intergenic	NM_001007349	mvk	6.063952203	8.162499566	-2.098547364	3.34E-06
peak_29707	chr12	38701967	38702363	135350	Intergenic	NM_001040355	pmp22b	3.238682765	5.337282775	-2.09860001	0.001862
peak_33349	chr13	44996707	44997004	361293	Intergenic	NM_001030175	zfand3	2.091390725	4.190002251	-2.098611526	0.004766
peak_19459	chr15	3318165	3318485	43628	Intergenic	NM_001098750	stoml3a	4.154623552	6.253417673	-2.098794122	3.02E-05
peak_13608	chr20	48002080	48002992	-120472	Intergenic	NM_200967	efhc1	7.814895682	9.913819336	-2.098923654	6.07E-07
peak_29822	chr11	24374581	24374936	-118185	Intergenic	NM_001113489	kiss1	3.111880861	5.210868607	-2.098987746	0.001926
peak_16935	chr3	57862212	57862798	158220	Intergenic	NM_001099249_2	zgc:165627	5.663780654	7.762972295	-2.099191641	6.80E-06
peak_24263	chr15	17232025	17232433	-48503	Intergenic	NM_001039638	or131-2	3.554074368	5.653415503	-2.099341135	0.000289
peak_18901	chr17	29877840	29878302	58375	intron (NM_212954, intron 4 of 5)	NM_212954	esrrga	4.345534194	6.444876309	-2.099342115	2.24E-05
peak_17031	chr17	18381009	18381713	246015	Intergenic	NM_213385	vrk1	5.793416981	7.892765064	-2.099348083	7.16E-06
peak_17905	chr22	41950443	41951165	-9441	intron (NM_131379, intron 10 of 15)	NM_001080197	senp5	4.499603187	6.599186168	-2.099582981	1.29E-05
peak_26771	chr13	45792288	45792888	-17306	Intergenic	NM_131604	runx3	4.541856033	6.641581561	-2.099725528	0.000721
peak_19949	chr25	34743656	34744291	91555	Intergenic	NM_001172680	zgc:136826	5.388803822	7.488583019	-2.099779197	3.99E-05
peak_37822	chr3	35579738	35580089	-36460	Intergenic	NR_023338		3.137236739	5.237147988	-2.09991125	0.012335
peak_19106	chr2	4551009	4551426	-121263	Intergenic	NM_199681	phb2a	4.412286634	6.512433388	-2.100146753	2.52E-05
peak_20503	chr7	40307163	40307789	17403	intron (NM_001243038, intron 1 of 11)	NM_001243038	creb3l1	5.242206201	7.342448229	-2.100242028	5.30E-05
peak_27530	chr8	45843056	45843483	5259	Intergenic	NM_130917	fzd10	4.801740793	6.902037363	-2.10029657	0.000935
peak_24941	chr12	38559753	38560206	50152	Intergenic	NM_001080568	hs3st3b1b	3.889089251	5.989396657	-2.100307406	0.000379
peak_32722	chr14	13073591	13073960	21490	intron (NM_198360, intron 2 of 14)	NM_198360	gria3b	4.170654176	6.271011165	-2.100356989	0.004111
peak_32444	chr16	29518774	29519161	-54655	Intergenic	NM_001172629	nr4a3	3.977126639	6.077500542	-2.100373903	0.003835
peak_14108	chr18	41477263	41478268	153603	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	6.830672285	8.931261605	-2.10058932	9.21E-07
peak_24967	chr9	33525291	33525888	112133	Intergenic	NM_001128532	satb2	4.251504061	6.352224374	-2.100720314	0.000382
peak_24380	chr21	30471351	30471694	332237	Intergenic	NM_001098766	zgc:165573	3.768153455	5.868918402	-2.100764947	0.000303
peak_24396	chr2	45917402	45917945	-171261	Intergenic	NM_001045316	fam102ba	5.115130336	7.216054038	-2.100923702	0.000304
peak_37745	chr6	11172759	11173107	11943	exon (NM_001083031, exon 14 of 16)	NM_001083031	atg9a	2.650222256	4.75117932	-2.100957064	0.012149
peak_15095	chr23	38511726	38512677	259261	Intergenic	NM_001020707	zgc:112994	5.548447992	7.64942023	-2.100972238	1.94E-06
peak_30543	chr19	17337215	17337689	49061	intron (NM_001039524, intron 3 of 7)	NM_001039524	zfpm2b	4.222285668	6.323274395	-2.100988727	0.002333
peak_21293	chr22	35649965	35650653	-272548	Intergenic	NM_213117_1	zgc:65870	4.618300328	6.719481429	-2.101181101	7.70E-05
peak_21027	chr3	34365675	34366693	46831	Intergenic	NM_213197	znf207a	6.470337166	8.571567742	-2.101230576	6.81E-05
peak_21623	chr23	6258197	6258587	129945	Intergenic	NM_200558	mybpha	4.41331882	6.514660821	-2.101342001	9.10E-05
peak_14712	chr9	1590594	1592939	37546	intron (NM_200113, intron 13 of 19)	NM_200113	agps	7.413053317	9.514477607	-2.10142429	1.47E-06
peak_19877	chr13	1024538	1025141	-1593	Intergenic	NM_001003889	psmb1	4.221107285	6.322749683	-2.101642398	3.82E-05
peak_19330	chr24	5217278	5217868	-99900	Intergenic	NM_001007377	plod2	4.652023337	6.753742504	-2.101719168	2.82E-05
peak_25651	chr15	15008621	15008943	23196	Intergenic	NM_131880	hnf1ba	3.65197232	5.75372489	-2.10175257	0.000487
peak_27162	chr9	13680906	13681284	-49826	Intergenic	NM_131139	fzd7a	3.17667448	5.278452679	-2.101778198	0.000822
peak_29431	chr2	34375472	34375889	-461780	Intergenic	NM_001089542	rfwd2	3.948848306	6.050686082	-2.101837776	0.001721
peak_19996	chr19	33099319	33099773	46227	Intergenic	NM_001128539	zbtb10	4.396653674	6.498519867	-2.101866192	4.11E-05
peak_20921	chr12	37298373	37298843	-67451	Intergenic	NM_200236	unk	4.090100377	6.192016143	-2.101915765	6.46E-05
peak_36304	chr5	42190596	42190959	-55248	Intergenic	NM_131037	fsta	2.447031973	4.549054156	-2.102022183	0.00913
peak_16341	chr24	36549969	36550741	-128066	Intergenic	NM_001030067	pcmtd1	6.803108124	8.905152687	-2.102044563	4.73E-06
peak_22949	chr16	23023088	23023615	4417	intron (NM_200628, intron 4 of 13)	NM_200628	skap2	3.459077363	5.561204728	-2.102127365	0.000166
peak_26030	chr10	3948414	3948812	-105465	Intergenic	NM_200920	pitpnb	3.457076769	5.559341997	-2.102265228	0.000555
peak_18104	chr15	20296005	20297107	58179	Intergenic	NM_001128755	ubash3bb	6.887211483	8.989525716	-2.102314233	1.45E-05
peak_24549	chr16	51894151	51894784	-55732	intron (NM_001012368, intron 3 of 10)	NM_131612	pbx2	3.917096733	6.019458164	-2.102361432	0.000323
peak_33009	chr11	39686107	39686440	16992	intron (NM_200531, intron 6 of 8)	NM_200531	mfsd4a	3.397697102	5.500124311	-2.10242721	0.00441
peak_21568	chr2	55819056	55819421	-20911	Intergenic	NM_201465	calr3b	3.397697102	5.500433084	-2.102735982	8.86E-05
peak_14774	chr13	38709841	38710675	86799	Intergenic	NR_120381		5.271027898	7.373800583	-2.102772685	1.55E-06
peak_31499	chr11	40460756	40460975	-24303	Intergenic	NM_001040387	wnt4a	2.614767619	4.7175783	-2.102810681	0.002993
peak_12705	chr13	53300142	53301714	431	intron (NM_200969, intron 1 of 5)	NM_200969	sncb	7.334398546	9.437214645	-2.102816099	2.66E-07
peak_41982	chr8	17875746	17876079	159934	Intergenic	NM_130935	skia	1.205700064	3.308519402	-2.102819337	0.024591
peak_18987	chr21	27264289	27265091	-295408	intron (NM_001079970, intron 18 of 23)	NR_023323		5.204473265	7.307352758	-2.102879493	2.36E-05
peak_24171	chr9	56303724	56304299	29135	intron (NM_001002457, intron 9 of 11)	NM_001002457	egfl6	4.149677235	6.252611284	-2.102934048	0.000278
peak_28790	chr18	20776500	20776840	50834	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	2.981227592	5.08431537	-2.103087778	0.001413
peak_30927	chr6	52938277	52938587	42871	Intergenic	NM_001136247	or136-1	3.696843362	5.800038876	-2.103195514	0.002571
peak_23158	chr12	23152360	23152863	112902	Intergenic	NM_001020680	mrpl27	3.953113131	6.056323662	-2.103210531	0.000181
peak_21332	chr19	43000221	43000701	-237016	Intergenic	NM_001044975	gatad2b	3.340116769	5.443422739	-2.10330597	7.84E-05
peak_27314	chr10	38598928	38599303	120881	Intergenic	NM_001077461	cuedc1a	4.208081142	6.311470422	-2.10338928	0.000865
peak_24808	chr6	59909600	59910567	28570	Intergenic	NM_199817	tgds	4.412286634	6.515727575	-2.103440941	0.000361
peak_30836	chr15	26887405	26887852	-16353	Intergenic	NM_001110296	brip1	3.482985287	5.586547305	-2.103562018	0.002516
peak_25990	chr23	4211167	4211958	65059	intron (NM_181498_1, intron 2 of 5)	NM_001002221	aar2	5.410676666	7.514305571	-2.103628905	0.000548
peak_24374	chr20	36620560	36620866	21208	intron (NM_001013521, intron 1 of 12)	NM_001013521	enah	3.453067239	5.556698904	-2.103631665	0.000302
peak_21687	chr3	48529988	48531021	19790	intron (NM_001079978, intron 1 of 5)	NM_001079978	zgc:158309	5.882374352	7.986170023	-2.103795671	9.34E-05
peak_13990	chr24	35561140	35562045	-79423	Intergenic	NM_001002724	zgc:92591	6.595251638	8.699230271	-2.103978633	8.34E-07
peak_23230	chr16	52269336	52269789	221934	Intergenic	NM_001110524	brd2b	4.50838037	6.612359765	-2.103979394	0.000185
peak_18169	chr5	18890155	18890461	-378577	Intergenic	NM_001004640	atad1a	4.284661742	6.388647835	-2.103986093	1.50E-05
peak_39549	chr2	31938669	31939213	41221	intron (NM_200070, intron 6 of 10)	NM_200070	fam49ba	3.65197232	5.756072742	-2.104100422	0.016762
peak_34205	chr5	10619245	10619482	113016	Intergenic	NM_001080038_1	zgc:158343	1.426730103	3.530892149	-2.104162046	0.00578
peak_28526	chr20	4661534	4662107	118033	Intergenic	NM_205758	papola	4.736242271	6.840475223	-2.104232952	0.0013
peak_27624	chr20	1583576	1584040	148141	Intergenic	NM_001100056	LOC796447	4.116958245	6.221280962	-2.104322717	0.000967
peak_15662	chr9	53094916	53095905	-181759	Intergenic	NM_001076600	tank	7.391687063	9.496094756	-2.104407693	2.96E-06
peak_13982	chr16	26594608	26595488	-161170	intron (NM_001007428, intron 1 of 7)	NM_200750	rps19	5.593873361	7.698517274	-2.104643913	8.27E-07
peak_22353	chr4	2242899	2243435	-1857	Intergenic	NM_201318	nap1l1	5.121460037	7.226317882	-2.104857844	0.000128
peak_13745	chr23	5378318	5379251	99809	intron (NM_181498, intron 10 of 10)	NR_039088		6.474807944	8.579675245	-2.104867302	6.79E-07
peak_38212	chr7	19379174	19379566	-151	promoter-TSS (NM_001099228)	NM_001099228	cd248a	2.964424746	5.069338005	-2.10491326	0.013306
peak_13052	chr8	10688320	10688937	226032	Intergenic	NM_001077391	zgc:153997	7.471452546	9.576396516	-2.104943969	3.72E-07
peak_16941	chr3	53667276	53667774	29541	intron (NM_131447, intron 2 of 7)	NM_131447	pbx4	4.924355407	7.029357252	-2.105001845	6.82E-06
peak_13376	chr5	51422505	51423580	-104531	Intergenic	NM_131180	nr2f1a	6.578272032	8.683344883	-2.105072851	5.01E-07
peak_36296	chr2	52983038	52983771	31168	intron (NM_001045238, intron 5 of 13)	NM_001045238	zgc:136336	3.662529654	5.767650855	-2.105121202	0.009118
peak_16541	chr14	32820672	32821374	65471	Intergenic	NM_001001950	zic3	5.711232089	7.81636064	-2.105128551	5.39E-06
peak_16446	chr23	6591768	6592596	-3216	Intergenic	NM_205682	spo11	6.488123456	8.593384606	-2.10526115	5.08E-06
peak_21371	chr13	30765664	30766189	-29874	intron (NM_001113339, intron 4 of 21)	NM_001004626	ppifa	4.967982496	7.073300966	-2.105318471	8.02E-05
peak_12257	chr19	44334638	44335724	15844	intron (NM_207072, intron 2 of 34)	NM_207072	clasp2	7.75974037	9.865213162	-2.105472793	1.72E-07
peak_18341	chr17	7966011	7966933	-86053	Intergenic	NM_001017841	slc18b1	6.493745646	8.599318548	-2.105572902	1.65E-05
peak_15602	chr19	33311806	33312444	-25105	Intergenic	NM_001044918	znf704	5.814321122	7.919918756	-2.105597633	2.79E-06
peak_32478	chr2	24095194	24095442	-11480	Intergenic	NM_001012377	xirp1	2.912638768	5.018347063	-2.105708295	0.00387
peak_42339	chr5	506613	507062	6069	intron (NM_001004603, intron 3 of 8)	NM_001004603	ass1	1.984009138	4.089776323	-2.105767186	0.025772
peak_25389	chr6	21158514	21158855	128535	Intergenic	NM_205740	barhl2	3.954531943	6.060426774	-2.105894831	0.000447
peak_21868	chr17	3291740	3292111	153640	intron (NM_001126427, intron 14 of 16)	NM_001126427	LOC569320	3.504454597	5.610376724	-2.105922127	0.000102
peak_22262	chr11	42502444	42503238	-3151	Intergenic	NM_131332_1	pax7a	4.471080849	6.57706867	-2.105987821	0.000122
peak_25459	chr19	31457610	31457873	146703	Intergenic	NM_213235	khdrbs1b	3.403941868	5.509952059	-2.106010191	0.000458
peak_22280	chr16	39461943	39462595	-45938	Intergenic	NM_200078	cited4b	4.917824246	7.02411855	-2.106294304	0.000124
peak_35870	chr9	22576393	22576706	7319	intron (NM_001123235, intron 2 of 21)	NM_001123235	arhgef7a	1.426730103	3.533094597	-2.106364494	0.008321
peak_14629	chr6	3943820	3944617	-75884	Intergenic	NM_200247	unc50	7.670410743	9.776778418	-2.106367674	1.38E-06
peak_23200	chr11	22457257	22457735	37938	Intergenic	NM_001013545	zgc:101564	4.433868301	6.540360214	-2.106491913	0.000183
peak_27025	chr19	34220808	34221585	3304	intron (NM_001044842, intron 2 of 3)	NM_001044842	si:dkey-284p5.3	4.479047217	6.585713607	-2.10666639	0.000783
peak_23909	chr2	20528568	20528979	33642	intron (NM_131217, intron 2 of 9)	NM_131217	rxrga	4.118298658	6.22508875	-2.106790091	0.000247
peak_12612	chr3	10322863	10324457	91684	intron (NR_105067, intron 4 of 5)	NM_199761	rnps1	7.411618543	9.518655729	-2.107037186	2.41E-07
peak_16429	chr5	68396348	68397258	-32523	Intergenic	NM_001002146	zgc:86715	6.668123628	8.775191634	-2.107068006	5.02E-06
peak_22203	chr7	72922150	72923044	32522	Intergenic	NM_001020693_1	gba3	4.211645407	6.318806589	-2.107161182	0.000119
peak_22842	chr15	10580096	10580446	45706	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	3.872673052	5.9798515	-2.107178448	0.000157
peak_15192	chr10	4189253	4189900	135498	Intergenic	NM_200920	pitpnb	6.158629984	8.265811358	-2.107181374	2.08E-06

peak_28380	chr18	15339260	15339618	15804	intron (NM_001002574, intron 8 of 9)	NM_001002574	nr1h4	3.280142431	5.387382397	-2.107239966	0.00124
peak_25437	chr15	38552547	38553012	56081	Intergenic	NM_173232	rps5	4.327031342	6.434313367	-2.107282024	0.000454
peak_33268	chr16	6252290	6252725	-21854	intron (NM_001080653, intron 8 of 10)	NM_200320	cog6	2.825197218	4.932646777	-2.107449559	0.004665
peak_15676	chr16	22459096	22459847	76700	Intergenic	NM_001003471	fkbp14	6.201172627	8.308633964	-2.107461337	3.00E-06
peak_13504	chr15	37473119	37475089	-30814	Intergenic	NM_131481	robo1	7.62870801	9.73618951	-2.1074815	5.57E-07
peak_17029	chr5	34204404	34204878	-81467	Intergenic	NM_212898	ntmt1	5.180958654	7.28854104	-2.107582386	7.15E-06
peak_20869	chr17	2508479	2509628	-3247	Intergenic	NM_001161399	kcnk10b	6.357933246	8.465577134	-2.107643888	6.29E-05
peak_20270	chr9	21382303	21383034	23523	intron (NM_001159666, intron 1 of 8)	NM_001159666	igsf3	5.415380979	7.523107859	-2.10772688	4.76E-05
peak_18480	chr9	38760955	38761427	-45963	Intergenic	NM_001113576	pdia5	4.660741649	6.768553171	-2.107811521	1.76E-05
peak_34385	chr15	23722873	23723169	-194214	Intergenic	NM_001003510	dhrs13b	2.247969535	4.355837175	-2.107867639	0.006025
peak_14214	chr15	39128460	39129031	-62547	Intergenic	NM_001077577	fat3a	6.55032589	8.65830297	-2.107977081	9.94E-07
peak_15791	chr23	38315463	38315917	62750	Intergenic	NM_001020707	zgc:112994	5.323160258	7.431223368	-2.108063111	3.26E-06
peak_27200	chr14	18292862	18293347	78042	intron (NM_001166332, intron 2 of 4)	NM_001166332	nlgn3a	4.928735258	7.037130838	-2.10839558	0.000832
peak_20186	chr19	37325054	37325434	-22809	Intergenic	NM_131814	angpt2b	3.764922485	5.873323141	-2.108400656	4.56E-05
peak_28025	chr17	29953817	29954217	-17571	Intergenic	NM_212954	esrrga	4.182740395	6.291159812	-2.108419417	0.001112
peak_21353	chr20	50734758	50735201	-183318	Intergenic	NM_001144797	LOC569213	4.294778726	6.40339513	-2.108616403	7.95E-05
peak_23395	chr12	1773679	1773973	103398	Intergenic	NM_001045248_1	usp22	3.340116769	5.448857546	-2.108740777	0.000197
peak_21238	chr23	23631145	23631568	64049	Intergenic	NM_131873	her9	4.187645218	6.296431317	-2.108786099	7.52E-05
peak_17299	chr13	22696794	22697751	1269	intron (NM_131621, intron 1 of 12)	NM_131621	bmpr1aa	5.177925137	7.286783888	-2.108858751	8.51E-06
peak_31736	chr20	24061233	24061533	103477	Intergenic	NM_001020750	map3k7	3.307048351	5.415916209	-2.108867858	0.003205
peak_30786	chr18	7703686	7704047	8125	intron (NM_001013543, intron 4 of 7)	NM_001013543	arsa	3.911263383	6.020681416	-2.109418033	0.002477
peak_20149	chr11	40457345	40457736	-20978	Intergenic	NM_001040387	wnt4a	4.682359636	6.792056434	-2.109696798	4.47E-05
peak_30434	chr7	59036349	59036660	65803	intron (NM_001003602, intron 3 of 17)	NM_001114708	camk2d1	3.052014612	5.161738179	-2.109723567	0.002274
peak_33237	chr20	5431466	5431927	-22591	Intergenic	NM_001114741	sptlc2b	4.229335828	6.339319439	-2.109983611	0.004637
peak_19199	chr24	4317519	4318073	-91204	Intergenic	NM_201461	klf6a	5.611994389	7.722000701	-2.110006312	2.63E-05
peak_15443	chr10	39490603	39491023	-51903	Intergenic	NR_030051		5.41795454	7.52796708	-2.110012541	2.51E-06
peak_18687	chr2	25002619	25003395	-93402	Intergenic	NM_001002303	nceh1a	5.648495636	7.75909995	-2.110604314	1.98E-05
peak_14661	chr8	2416001	2416612	-77853	Intergenic	NM_001123265	ikbkb	5.191861895	7.302709404	-2.11084751	1.41E-06
peak_20281	chr6	2187431	2187861	34035	intron (NM_001083853, intron 8 of 9)	NM_207083	med8	3.774593768	5.885806079	-2.111212312	4.78E-05
peak_26287	chr13	13416009	13416403	-23359	Intergenic	NM_198916	foxi2	4.534229944	6.645535553	-2.111305608	0.000607
peak_17249	chr19	918428	919212	-72843	Intergenic	NM_131679	eomesa	5.211610793	7.322937654	-2.111326861	8.27E-06
peak_15137	chr12	38423953	38424413	-5144	Intergenic	NM_001166259	cox10	5.100390989	7.211776372	-2.111385383	2.00E-06
peak_22273	chr24	42173487	42173869	78649	Intergenic	NM_001020507	smyhc1	3.152152513	5.26377621	-2.111623697	0.000123
peak_17016	chr6	47947409	47947853	-147912	Intergenic	NM_201202	phc2b	4.25841321	6.370047635	-2.111634426	7.09E-06
peak_16572	chr8	54524816	54525378	-16383	Intergenic	NM_131296	tcf7l1b	5.02728286	7.138955983	-2.111673123	5.49E-06
peak_16325	chr1	7841768	7843291	72249	Intergenic	NM_199602	zgc:77849	6.028274136	8.140022643	-2.111748507	4.66E-06
peak_24814	chr13	49089960	49090456	-239308	Intergenic	NM_001159668	fbxo11a	3.809602052	5.921352678	-2.111750626	0.000361
peak_17552	chr9	10500276	10500713	-129919	Intergenic	NM_001003636	hnmt	4.642320587	6.754466208	-2.112145621	1.02E-05
peak_21520	chr9	41862530	41863040	84225	Intergenic	NM_001077630	pofut2	4.517048459	6.629318005	-2.112269546	8.62E-05
peak_22008	chr18	38441741	38442203	-210117	Intergenic	NM_001017682	sema6dl	4.879411363	6.991746672	-2.112335309	0.000109
peak_29042	chr1	8483365	8483843	78419	Intergenic	NM_001199364	micall2b	4.212831541	6.325182299	-2.112350758	0.001532
peak_15423	chr5	65671147	65671659	-363	promoter-TSS (NM_001100016)	NM_001100016	si:ch211-253h3.1	5.069219889	7.18159779	-2.112377901	2.46E-06
peak_18751	chr2	8145086	8145720	99821	Intergenic	NM_001007436	dia1a	4.095254858	6.207982809	-2.11272795	2.05E-05
peak_20115	chr22	25059066	25059663	-64984	Intergenic	NM_001099256	si:dkey-121a9.3	5.222874499	7.335609434	-2.112734934	4.39E-05
peak_21053	chr2	33253305	33253762	78348	intron (NM_001128385, intron 2 of 5)	NM_001013486	zgc:113531	3.857496901	5.970388674	-2.112891773	6.87E-05
peak_15566	chr6	47259382	47259978	-149236	Intergenic	NR_030036		5.41795454	7.530899937	-2.112945397	2.74E-06
peak_14163	chr13	21968994	21970023	3200	intron (NM_001145707, intron 1 of 25)	NM_001145707	zswim8	6.84223766	8.955215869	-2.112978209	9.58E-07
peak_30214	chr8	16722904	16723310	55356	Intergenic	NM_001007064	dmrta2	3.277877455	5.39086654	-2.112989085	0.002152
peak_31841	chr23	6525051	6525279	47747	intron (NM_001077146, intron 1 of 7)	NM_001077146	bmp7b	2.42263522	4.535668101	-2.113032881	0.003305
peak_15238	chr3	30167136	30167899	-38943	Intergenic	NM_001003521	hsd17b14	5.694322724	7.807420472	-2.113097748	2.16E-06
peak_15748	chr5	74965735	74966276	51140	Intergenic	NM_131208	lhx3	4.746973874	6.86009162	-2.113117746	3.16E-06
peak_17864	chr25	33587499	33587940	78102	intron (NM_001123047, intron 18 of 29)	NM_001123047	scaper	3.999292718	6.112485005	-2.113192287	1.25E-05
peak_36784	chr14	45351318	45351694	14330	intron (NM_182885, intron 3 of 4)	NM_182885	pcdh10b	3.68663467	5.799877959	-2.113243288	0.010089
peak_12990	chr25	1040179	1040768	29410	Intergenic	NM_001080075	nell2a	7.041725037	9.154972569	-2.113247531	3.49E-07
peak_14335	chr13	22197636	22199983	-206473	Intergenic	NM_205678	myoz1a	7.660524332	9.773822375	-2.113298042	1.09E-06
peak_15632	chr5	11219	11684	87527	Intergenic	NM_001034985	dcc	4.744515468	6.85795989	-2.113444422	2.87E-06
peak_23887	chr11	2766822	2767289	24979	intron (NM_001080669, intron 2 of 15)	NM_001080669	srpk1b	3.387228713	5.500855256	-2.113626544	0.000245
peak_17310	chr10	11667629	11668363	-65691	Intergenic	NM_001098758	ppwd1	5.893534166	8.00719662	-2.113662454	8.58E-06
peak_24398	chr23	45061727	45062342	5464	TTS (NM_001201337)	NM_001201337	LOC794400	3.992402332	6.106083674	-2.113681342	0.000304
peak_35366	chr20	33364547	33364883	31351	Intergenic	NM_212614	mycn	2.751830549	4.865641129	-2.113810579	0.007443
peak_20581	chr17	53521459	53522279	30528	intron (NM_001076722, intron 7 of 10)	NM_001076722	zgc:154061	5.231678245	7.346479258	-2.114801013	5.55E-05
peak_14374	chr15	38249045	38249546	-35642	Intergenic	NM_131633	robo2	5.626805269	7.741634303	-2.114829034	1.13E-06
peak_12740	chr3	56427485	56429308	-1379	Intergenic	NM_001099249_1	zgc:165627	8.384050291	10.49903659	-2.114986301	2.75E-07
peak_14801	chr6	43606689	43607410	206947	intron (NM_001039637, intron 6 of 19)	NM_001039637	foxp1b	5.265894306	7.380913984	-2.115019679	1.57E-06
peak_13383	chr3	30500750	30501275	92169	Intergenic	NM_001045859	mybpc2a	5.857519022	7.97287316	-2.115354138	5.05E-07
peak_15458	chr9	42650978	42651673	-70573	Intergenic	NM_001004564	mfsd6b	5.956303497	8.072007074	-2.115703577	2.54E-06
peak_20911	chr9	41224781	41225254	-140301	Intergenic	NM_001161762	si:zfos-1425h8.1	5.085537276	7.201517019	-2.115979743	6.44E-05
peak_12410	chr18	25721010	25722123	-82608	Intergenic	NM_001128352	sema4ba	7.355542275	9.471621994	-2.116079719	2.02E-07
peak_15223	chr5	38534775	38535562	2264	exon (NM_152940, exon 3 of 3)	NM_152940	crx	6.113170412	8.229339324	-2.116168912	2.14E-06
peak_24270	chr11	6679241	6680061	140838	Intergenic	NM_213031	gadd45ba	4.801694806	6.917886881	-2.116192076	0.00029
peak_32141	chr7	75075029	75075308	46774	Intergenic	NM_001039641	lgi2a	2.812734601	4.929003804	-2.116269203	0.003531
peak_22200	chr5	3288461	3289729	132286	Intergenic	NR_030090		5.931259522	8.047590577	-2.116331054	0.000118
peak_22389	chr9	47528183	47528657	88111	Intergenic	NM_131069	cx43.4	4.605660766	6.722036783	-2.116376017	0.000129
peak_31963	chr18	18882221	18882642	-6579	Intergenic	NM_001080989	dennd4a	3.537128982	5.653648485	-2.116519503	0.003397
peak_17538	chr9	47970429	47970763	-79483	Intergenic	NM_001126463	igfbp5a	4.597510523	6.714061484	-2.11655096	1.01E-05
peak_27954	chr23	1208106	1208513	-51533	Intergenic	NM_001281802	psmb11b	3.391425188	5.508031752	-2.116606564	0.001089
peak_26976	chr3	29432211	29432604	-164185	Intergenic	NM_001017756	grap2a	3.224639552	5.341267623	-2.116628071	0.000773
peak_34554	chr5	14803816	14804182	46017	Intergenic	NM_001126431	si:ch211-255a21.	2.889089251	5.005721129	-2.116631878	0.006267
peak_31752	chr4	53318523	53318956	256107	intron (NM_001109740, intron 1 of 2)	NM_001114418	zgc:174704	2.621928594	4.738666222	-2.116737628	0.003231
peak_20952	chr2	38968550	38969084	156177	intron (NM_001159839, intron 1 of 16)	NM_001159839	clstn2	4.712071154	6.828874528	-2.116803374	6.53E-05
peak_26880	chr9	44807593	44807941	-63426	Intergenic	NM_200921	ube2e3	3.557813132	5.674644474	-2.116831342	0.000748
peak_22258	chr7	17933725	17934297	52500	intron (NM_001017655, intron 10 of 15)	NM_001017655	prmt3	4.605713446	6.723011994	-2.117298547	0.000122
peak_20137	chr23	1094363	1094942	6829	intron (NM_182877, intron 8 of 11)	NM_182877	slc34a2b	5.829137495	7.946595551	-2.117458056	4.45E-05
peak_22981	chr16	35033692	35034156	-9765	Intergenic	NM_001200014	si:dkey-165n16.1	4.818200248	6.936396412	-2.118196164	0.000168
peak_22101	chr25	13762218	13762702	73220	Intergenic	NM_001002874	gins3	3.933017882	6.051556108	-2.118538227	0.000114
peak_37015	chr25	13164685	13165104	2300	intron (NM_001128358, intron 1 of 9)	NM_001128358	LOC797250	3.124540972	5.243081729	-2.118540758	0.010592
peak_37815	chr16	3430022	3430621	-8206	Intergenic	NM_001256219	si:dkey-288i20.1	1.984009138	4.102663956	-2.118654818	0.012324
peak_25439	chr2	21826788	21827751	47797	intron (NM_001256694, intron 1 of 9)	NM_001256694	tox	4.900175966	7.019131888	-2.118955922	0.000454
peak_14220	chr21	3587910	3588518	101155	Intergenic	NM_175082	smad7	6.059343976	8.178625276	-2.1192813	1.00E-06
peak_23612	chr6	57607949	57608268	-3004	Intergenic	NM_001076592	zgc:153702	3.152152513	5.271468094	-2.119315581	0.000216
peak_16423	chr8	13782413	13782912	3595	intron (NM_001045199, intron 1 of 5)	NM_001045199	kcnn1b	5.061998248	7.1813154	-2.119317152	4.99E-06
peak_16281	chr19	21857103	21857908	-33501	Intergenic	NM_001042746	tshz1	5.379296453	7.498635224	-2.119338771	4.50E-06
peak_33090	chr8	12566571	12567031	-61204	Intergenic	NM_200660	med27	2.787481669	4.906963968	-2.119482299	0.004487
peak_19355	chr20	36811583	36811957	12819	Intergenic	NM_001030275	ptrhd1	4.470089187	6.589723672	-2.119634485	2.85E-05
peak_29407	chr17	21600541	21600908	13443	Intergenic	NM_001115098	hmx2	3.937329692	6.05699417	-2.119664478	0.001709
peak_19214	chr24	29797383	29798245	17962	intron (NM_001083844, intron 4 of 65)	NM_001083844	col11a1a	5.089454771	7.209469105	-2.120014335	2.66E-05
peak_11885	chr7	22847751	22848867	-107675	Intergenic	NM_001077144	tmem88b	7.530093492	9.65015204	-2.120058548	1.20E-07
peak_43182	chr4	54756279	54756643	-857491	Intergenic	NM_001111199	zgc:173710	0.215200887	2.33543263	-2.120231743	0.029444
peak_19026	chr12	13464658	13465007	708641	Intergenic	NM_001114932_1	wapalb	4.256113835	6.376484752	-2.120370917	2.42E-05
peak_20475	chr10	34929363	34929800	100893	Intergenic	NM_001199367	zar1l	4.224639552	6.345471179	-2.120831627	5.24E-05
peak_19956	chr4	6229046	6229525	-29448	Intergenic	NM_001166228	dock4b	4.758438756	6.879375212	-2.120936456	3.99E-05
peak_22392	chr12	26938822	26939537	-21194	Intergenic	NM_001007313	ppm1bb	4.654644367	6.775586854	-2.120942487	0.00013
peak_16526	chr9	46960365	46960892	53127	intron (NM_001039358, intron 22 of 24)	NM_001005956	twist2	5.13403673	7.25526326	-2.12122653	5.35E-06
peak_13968	chr22	21968441	21969249	28565	intron (NM_001130604, intron 4 of 19)	NM_001130604	tle2	6.378503906	8.499806343	-2.121302436	8.20E-07
peak_40012	chr15	29911835	29912193	180956	intron (NM_201109, intron 8 of 14)	NM_001003615	mrps23	3.313826142	5.43517358	-2.121347438	0.018056

peak_22281	chr19	33913489	33913994	-15597	Intergenic	NM_181736	heyl	3.583823625	5.705178061	-2.121354436	0.000124
peak_38175	chr18	2001991	2002423	172505	Intergenic	NM_207073	relt	3.795328417	5.916723135	-2.121394718	0.013211
peak_16307	chr13	44199917	44200878	28583	intron (NM_001114316, intron 1 of 22)	NM_001114316	ablim1a	6.412271575	8.533790484	-2.121518909	4.62E-06
peak_18013	chr5	68186480	68187180	-98066	Intergenic	NM_131153	rxrab	5.672884589	7.794633907	-2.121749318	1.37E-05
peak_16363	chr17	29922708	29923655	13265	intron (NM_212954, intron 2 of 5)	NM_212954	esrrga	5.263034397	7.384970299	-2.121935902	4.79E-06
peak_15105	chr19	30676546	30677086	-38907	Intergenic	NM_131162	ntla	6.447283947	8.569524952	-2.122241005	1.96E-06
peak_14408	chr7	44806864	44808161	-46701	Intergenic	NM_131214	cdh11	6.563211378	8.685461604	-2.122250226	1.16E-06
peak_26021	chr10	26273440	26273792	60243	Intergenic	NM_131294	sod1	3.96864384	6.090902903	-2.122259063	0.000553
peak_16707	chr5	25869188	25870684	443	exon (NM_130908, exon 1 of 2)	NM_130908	sox19a	6.498888249	8.621429471	-2.122541223	5.98E-06
peak_17857	chr12	48001317	48002307	16781	intron (NM_001007187, intron 1 of 4)	NM_001007187	fam53b	5.017773628	7.140561626	-2.122787998	1.25E-05
peak_21837	chr9	32305613	32306434	5333	Intergenic	NM_205727	zic5	5.460076621	7.583027818	-2.122951198	0.000101
peak_15613	chr11	42496971	42497723	2343	TTS (NM_131324_1)	NM_131324_1	pax7a	4.943815015	7.066831754	-2.123016739	2.82E-06
peak_18407	chr7	38683665	38684074	-85568	Intergenic	NM_001146014	sall1a	4.341201883	6.464257403	-2.123055521	1.70E-05
peak_19645	chr17	37773643	37774211	-39224	Intergenic	NM_001076673	tmem229b	4.128390782	6.251634172	-2.12324339	3.38E-05
peak_23086	chr9	46968674	46969123	61397	exon (NM_001039358, exon 22 of 25)	NM_001005956	twist2	4.478989702	6.602263164	-2.123273462	0.000175
peak_21015	chr18	42867099	42867608	76185	intron (NM_001123012, intron 3 of 16)	NM_001123012	aplp2	4.886118348	7.00967692	-2.123558572	6.76E-05
peak_32896	chr15	43581930	43582192	-1124	Intergenic	NM_214806	gria4a	1.434885166	3.558449611	-2.123564445	0.004279
peak_26388	chr9	767963	768344	2953	exon (NM_131045, exon 2 of 2)	NM_131045	eng1a	3.931577743	6.055191099	-2.123613355	0.00063
peak_15101	chr23	31023744	31024325	-21136	Intergenic	NM_001039921	pcmtd2	5.175493722	7.299288621	-2.123794899	1.95E-06
peak_19429	chr11	3381715	3382101	14580	intron (NM_001083015_2, intron 5 of 20)	NM_001083015_2	acap3b	4.96864384	7.092689268	-2.124045428	2.97E-05
peak_18518	chr2	46627035	46627553	-184555	Intergenic	NM_201020_1	gpc1b	4.599325672	6.723402473	-2.124076801	1.80E-05
peak_19589	chr5	16169635	16170157	-22857	Intergenic	NM_001123312	myst3	5.245107656	7.369274323	-2.124166668	3.26E-05
peak_33698	chr19	36198161	36198483	92478	intron (NM_001144043, intron 13 of 18)	NM_001044925	elp2	2.537128982	4.661352479	-2.124223497	0.005143
peak_14136	chr20	38638250	38638764	-3438	Intergenic	NM_001045020	slc30a2	5.99343799	8.117713905	-2.124275914	9.38E-07
peak_32775	chr23	3352660	3353049	70701	Intergenic	NM_131015	mafba	3.186367739	5.310674145	-2.124306406	0.004156
peak_17873	chr7	63160654	63161161	269674	Intergenic	NM_200491	tbc1d19	4.100390989	6.22480929	-2.124418301	1.26E-05
peak_24257	chr14	4535676	4536229	106546	Intergenic	NM_205648	dhrs13l1	4.404002454	6.528494579	-2.124492126	0.000288
peak_39395	chr14	38924430	38924815	717723	Intergenic	NM_001048055	lect2l	3.420463621	5.544963926	-2.124500305	0.016304
peak_12881	chr22	40286204	40287159	49003	Intergenic	NM_213118	sox2	7.07708553	9.201684992	-2.124599462	3.11E-07
peak_13303	chr16	23134657	23135429	-12598	Intergenic	NM_001110396	snx10b	6.376902072	8.501560126	-2.124658053	4.65E-07
peak_34743	chr9	55084457	55085016	-17462	Intergenic	NM_001009888	sox21b	3.972850631	6.097555281	-2.12470465	0.006475
peak_12409	chr22	16746147	16748343	-10312	Intergenic	NM_213237	tal1	8.268530524	10.39332046	-2.124789938	2.01E-07
peak_24590	chr9	12631628	12631957	69234	Intergenic	NM_001089454	zgc:162707	3.825197218	5.950124565	-2.124927347	0.000329
peak_24248	chr14	45289642	45290044	75993	intron (NM_182885, intron 3 of 4)	NM_182885	pcdh10b	4.835334277	6.960284221	-2.124949943	0.000287
peak_23021	chr4	16155627	16156110	-31788	Intergenic	NM_001033585	sox5	4.033337828	6.158293738	-2.12495591	0.000171
peak_14799	chr25	5204704	5205196	2499	exon (NM_001077725, exon 2 of 14)	NM_001077725	athl1	4.810385827	6.93539655	-2.125010722	1.57E-06
peak_22051	chr25	22675212	22675494	-155629	Intergenic	NM_001098250	sigirr	3.484950298	5.610209121	-2.125258822	0.000111
peak_12790	chr1	1419072	1420152	-26968	Intergenic	NM_131689	atp1a1a.4	6.895392954	9.020671319	-2.125278365	2.87E-07
peak_24041	chr1	5302534	5302805	54923	intron (NM_001020643, intron 1 of 3)	NM_001020643	klf7a	3.331406352	5.456746561	-2.125340209	0.000262
peak_30418	chr2	31889541	31889950	90417	Intergenic	NM_200070	fam49ba	3.784200649	5.90961172	-2.125411071	0.002264
peak_16661	chr6	5953524	5954109	211858	Intergenic	NM_001201446	rtn4a	5.754731304	7.880153329	-2.125422026	5.79E-06
peak_21980	chr7	51026413	51026812	81578	Intergenic	NM_001020629	hrasb	4.2140167	6.339579155	-2.125562455	0.000108
peak_11698	chr7	40560228	40562857	2980	intron (NM_131070, intron 1 of 4)	NM_131070	mdka	8.829694909	10.95529232	-2.125597406	9.77E-08
peak_19871	chr19	44753740	44754202	-72137	Intergenic	NM_213339	ppt1	4.695196434	6.820873699	-2.125677265	3.81E-05
peak_18031	chr1	41334964	41335408	-39787	Intergenic	NM_001113526	hmx1	4.029304008	6.155096472	-2.125792465	1.39E-05
peak_18346	chr8	12765920	12766602	130632	Intergenic	NM_001024214	endog	5.230507512	7.356657481	-2.126149969	1.65E-05
peak_23387	chr17	30056890	30057189	-120593	Intergenic	NM_212954	esrrga	3.291414275	5.417577632	-2.126163357	0.000197
peak_27697	chr7	64307191	64307613	984580	Intergenic	NM_131287	sox17	2.950271315	5.076473673	-2.126202358	0.00099
peak_28129	chr3	25800516	25801021	113925	Intergenic	NM_130998	ntn1b	4.053416714	6.179725898	-2.126309185	0.001152
peak_21477	chr15	20340217	20340630	-58852	Intergenic	NR_030052		4.119564041	6.245880191	-2.12631615	8.44E-05
peak_20824	chr25	15902577	15903050	-102236	Intergenic	NM_131517	spon1b	3.766538874	5.892909912	-2.126371037	6.19E-05
peak_18120	chr6	56229485	56230059	110395	Intergenic	NM_001008576_1	tfap2c	5.065941806	7.192360621	-2.126418815	1.47E-05
peak_33844	chr6	43025807	43026122	-2489	Intergenic	NM_001130694	lrrn1	3.25733105	5.383893231	-2.126562181	0.00531
peak_25145	chr14	33602043	33602668	-16966	Intergenic	NM_001039135	inppl1b	4.820536344	6.947151022	-2.126614679	0.000408
peak_36109	chr25	29391669	29392287	-64319	Intergenic	NM_001098391	tmem17	3.869580369	5.996271995	-2.126691625	0.008744
peak_28697	chr5	52084817	52085319	-263521	Intergenic	NM_200418	fam172a	4.137163847	6.263927712	-2.126763865	0.001368
peak_36816	chr25	37983163	37983505	114727	intron (NM_200913, intron 8 of 8)	NM_200913	wwox	3.700328943	5.82713377	-2.126804826	0.010146
peak_22308	chr5	67050495	67050915	113635	Intergenic	NM_001256818	dnm1b	4.038698769	6.165556809	-2.12685804	0.000125
peak_19335	chr25	35838917	35839561	-15833	intron (NM_001099448, intron 10 of 23)	NR_030088		5.230541675	7.357404475	-2.1268628	2.83E-05
peak_36946	chr22	35160715	35160971	119242	intron (NM_213117_1, intron 7 of 14)	NM_001114590	rbm15b	2.646715745	4.773685093	-2.126969348	0.010444
peak_14088	chr25	25471708	25472241	-275688	Intergenic	NM_001002089_1	tsg101a	6.096861864	8.224046728	-2.127184863	9.05E-07
peak_19560	chr6	4986461	4987227	554644	Intergenic	NM_201285	pou4f1	5.213389671	7.340605794	-2.127216122	3.20E-05
peak_22378	chr7	73112525	73113170	222772	Intergenic	NM_001020693_1	gba3	4.734639736	6.861924483	-2.127284747	0.000129
peak_23787	chr8	49002921	49003239	47415	intron (NM_001004617, intron 6 of 8)	NM_001004617	acot7	3.490829325	5.618130421	-2.127301097	0.000235
peak_42280	chr10	28026672	28027166	295306	Intergenic	NM_152948	cxadr	3.25733105	5.384723133	-2.127392083	0.025578
peak_16577	chr13	18973087	18974055	-89320	Intergenic	NM_001145606	lzts2a	5.853722147	7.981143391	-2.127421244	5.51E-06
peak_16406	chr6	56012410	56013071	-35638	Intergenic	NM_199742	rtfdc1	6.140925638	8.268488955	-2.127563317	4.93E-06
peak_19607	chr21	19383164	19383674	158653	Intergenic	NM_001006022	zgc:103482	4.696892816	6.824493302	-2.127600487	3.30E-05
peak_19508	chr24	29763739	29764114	51850	intron (NM_001083844, intron 12 of 65)	NM_001083844	col11a1a	3.803316476	5.931196582	-2.127880106	3.11E-05
peak_16008	chr10	37307620	37308250	-23073	Intergenic	NM_001258231	waif2	4.814298329	6.942314167	-2.128015838	3.79E-06
peak_18720	chr13	469032	469807	40774	intron (NM_001034968, intron 4 of 37)	NM_001034968	slit1a	4.638794795	6.767094008	-2.128299214	2.02E-05
peak_16414	chr21	2067954	2068448	55804	Intergenic	NM_001113432	st8sia3	5.017094822	7.145529627	-2.128434805	4.96E-06
peak_27969	chr21	19329463	19329807	104869	Intergenic	NM_001006022	zgc:103482	4.011692604	6.140255572	-2.128562969	0.001094
peak_19632	chr23	17372034	17372479	-19480	Intergenic	NM_001080652	zgc:158791	4.192463273	6.321263651	-2.128800378	3.36E-05
peak_17809	chr25	8895802	8896294	-7455	Intergenic	NM_001017671	unc45a	5.259595006	7.388537205	-2.128942198	1.21E-05
peak_22104	chr12	5298114	5298623	-87298	Intergenic	NM_001143904	irf3	4.720483721	6.849683186	-2.129199465	0.000114
peak_16685	chr18	32387218	32387839	-3344	exon (NM_201108, exon 6 of 7)	NM_001144796	c3orf33	5.473557026	7.602879166	-2.12932214	5.90E-06
peak_13816	chr6	31506667	31507677	210198	Intergenic	NM_201025	pgm1	6.03637535	8.165698308	-2.129322958	7.20E-07
peak_35426	chr13	48987749	48988390	-201749	Intergenic	NM_001098262	zmp:000000113	2.702019304	4.831411893	-2.129392588	0.00754
peak_14733	chr17	697706	698813	57565	Intergenic	NM_213316	arhgap11a	7.113665274	9.24307651	-2.129411237	1.49E-06
peak_29405	chr13	35348367	35348649	-212305	Intergenic	NM_131863	jag1b	2.451058288	4.580685672	-2.129627384	0.001708
peak_23768	chr25	22016583	22016915	-65732	intron (NM_001003755, intron 3 of 5)	NM_001003481	zgc:91811	3.76976623	5.899433765	-2.129667535	0.000233
peak_34351	chr19	15119153	15119555	116029	Intergenic	NM_001135132	si:ch211-206a7.2	2.815860363	4.945780233	-2.12991987	0.005984
peak_23165	chr2	28366171	28366695	-223073	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	3.766538874	5.897054109	-2.130515235	0.000181
peak_18472	chr11	44275978	44276623	8411	Intergenic	NM_212914	foxg1b	6.420765193	8.551329177	-2.130563985	1.76E-05
peak_29251	chr9	27230180	27230651	93256	Intergenic	NM_131023	efnb2a	4.050765939	6.181403008	-2.130637069	0.001641
peak_30378	chr10	12375299	12375682	-240263	Intergenic	NM_001004502	lpar1	2.871171366	5.002311915	-2.131140549	0.002237
peak_15897	chr9	32245318	32246913	45096	intron (NM_001037416, intron 1 of 7)	NM_001037416	clybl	5.000666855	7.131859127	-2.131192272	3.48E-06
peak_15865	chr8	10035018	10035417	79993	intron (NM_001098489, intron 3 of 31)	NM_001098489	plxna3	4.826017789	6.957382546	-2.131364757	3.43E-06
peak_23677	chr1	51345077	51345405	2241	exon (NM_001099240, exon 2 of 20)	NM_001099240	zgc:154142	3.548447992	5.679887964	-2.131439972	0.000223
peak_40886	chr20	9794334	9794636	-33204	Intergenic	NM_199649	zfp36l1b	2.342286181	4.473819514	-2.131533333	0.020862
peak_39987	chr7	34924618	34924903	93513	Intergenic	NM_131780	gro1	3.47113868	5.602734587	-2.131595907	0.018
peak_31956	chr24	34750697	34751084	54130	Intergenic	NM_001008621	zgc:101800	3.504454597	5.636165648	-2.131711051	0.003389
peak_14759	chr19	49299861	49301322	-11653	intron (NM_001040330, intron 2 of 8)	NM_001002609	psmb2	7.709762551	9.841526871	-2.13176432	1.53E-06
peak_20500	chr2	31748681	31749237	14803	Intergenic	NM_200172	mycb	4.30822336	6.441056505	-2.132833145	5.30E-05
peak_21360	chr3	32578641	32579186	24864	Intergenic	NM_001202477	prrg2	4.478989702	6.611876981	-2.13288728	7.98E-05
peak_29082	chr14	5188485	5188957	-203304	Intergenic	NM_001007134	lbx2	5.017055211	7.150169945	-2.133114733	0.001551
peak_18753	chr17	2521004	2521485	8944	intron (NM_001161399, intron 1 of 5)	NM_001161399	kcnk10b	4.334678924	6.468058899	-2.133379975	2.06E-05
peak_40897	chr6	540970	541274	-18279	Intergenic	NM_200678	grap2b	1.44299439	3.576600354	-2.133605964	0.020921
peak_13877	chr22	18797105	18797689	-27045	Intergenic	NM_200017	cirbp	5.382462293	7.516141597	-2.133679304	7.57E-07
peak_26026	chr7	28660464	28660750	151282	Intergenic	NM_001002471	calca	3.224639552	5.358382033	-2.133742481	0.000554
peak_23098	chr8	52934144	52934591	-58319	Intergenic	NM_001002647	egr3	4.380911023	6.51472135	-2.133810327	0.000176
peak_13307	chr25	24520218	24521178	19849	intron (NM_001002052, intron 4 of 4)	NM_001002052	mrpl23	6.493271866	8.627083239	-2.133811373	4.67E-07
peak_18253	chr9	32335695	32336356	20487	Intergenic	NM_131558	zic2a	5.663805955	7.797881773	-2.134075818	1.57E-05
peak_17180	chr23	24919241	24919629	33063	Intergenic	NM_001005990	kansl2	4.825242463	6.959546885	-2.134304423	7.90E-06

peak_26902	chr6	1818970	1819352	-46044	Intergenic	NM_001004109	quo	3.494735408	5.629114082	-2.134378674	0.000754
peak_33330	chr6	33185780	33186012	-49028	Intergenic	NM_201143	pik3r3b	2.664163689	4.798559889	-2.134396201	0.004734
peak_13462	chr5	55987379	55988666	-144	promoter-TSS (NM_001111154)	NM_001111154	prune2	7.199079392	9.33370216	-2.134622768	5.37E-07
peak_18018	chr4	18618239	18618719	9985	intron (NM_182865, intron 4 of 23)	NM_182865	snd1	4.691748046	6.826386578	-2.134638532	1.38E-05
peak_26056	chr19	35852589	35853116	-6882	Intergenic	NM_001144043	gabbr2	3.834563943	5.969229533	-2.134665591	0.000561
peak_16732	chr15	26604939	26605982	-107826	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	5.468600414	7.603504733	-2.134904319	6.06E-06
peak_32670	chr3	18100496	18100806	1893	intron (NM_001103113, intron 1 of 8)	NM_001103113	spag9a	2.722150645	4.857090781	-2.134940135	0.004053
peak_23891	chr22	19244873	19245164	91504	Intergenic	NM_198142	bsg	3.219927938	5.355060223	-2.135132285	0.000246
peak_43057	chr15	19235637	19236015	35015	Intergenic	NM_001077250	spint2	2.247969535	4.383123983	-2.135154448	0.028853
peak_27981	chr15	26669732	26670524	-43158	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	4.41331882	6.548527303	-2.135208483	0.001099
peak_37344	chr7	21606085	21606787	15258	Intergenic	NM_001039513	cnpy4	3.822091642	5.957364846	-2.135273203	0.011304
peak_13518	chr11	22449666	22450796	30673	Intergenic	NM_001013545	zgc:101564	6.970604156	9.105878532	-2.135274376	5.63E-07
peak_38858	chr12	50167346	50167722	28887	Intergenic	NM_212828	uros	3.751925757	5.887247045	-2.135321288	0.014909
peak_17239	chr24	23908735	23909257	370336	Intergenic	NM_001075111	hnf4g	5.08683171	7.222176548	-2.135344838	8.22E-06
peak_38414	chr23	33202440	33202984	-301232	Intergenic	NR_029935		3.093967964	5.229710237	-2.135742273	0.013817
peak_16044	chr16	7517699	7518169	-32608	Intergenic	NM_001080645	zgc:158657	4.518967649	6.654818571	-2.135850922	3.88E-06
peak_19679	chr11	42476431	42476849	23050	exon (NM_131325_1, exon 3 of 5)	NM_131324_1	pax7a	4.164465597	6.300505504	-2.136039907	3.43E-05
peak_16104	chr12	32704781	32705325	85235	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	4.727969758	6.864191553	-2.136221794	4.01E-06
peak_42553	chr6	47704698	47704963	-82272	Intergenic	NM_200112	padi2	2.521897487	4.658132177	-2.13623469	0.026674
peak_19223	chr3	49821294	49822091	-49446	Intergenic	NM_201307	ndel1b	5.55547754	7.69235072	-2.13687318	2.67E-05
peak_15580	chr5	28029332	28029897	108188	intron (NM_001128534, intron 3 of 15)	NM_001128534	arvcfb	5.271027898	7.408187174	-2.137159276	2.76E-06
peak_22111	chr14	29844051	29844652	-257991	Intergenic	NM_001039064	insb	5.607465695	7.744656532	-2.137190837	0.000114
peak_31267	chr16	57779429	57779693	-10642	Intergenic	NM_197935	drd2l	1.818979367	3.956243557	-2.13726419	0.002819
peak_18260	chr6	2022299	2022928	-31102	Intergenic	NM_213161	prkag1	5.248581717	7.385917566	-2.13733585	1.58E-05
peak_26213	chr11	21324703	21325007	-23128	Intergenic	NM_001002230	tuba7l	3.019847667	5.157211914	-2.137364247	0.000592
peak_15803	chr1	20439268	20439765	93527	Intergenic	NM_001037378	primpol	5.034679932	7.172133543	-2.137453611	3.28E-06
peak_40462	chr17	34744637	34745034	-228234	Intergenic	NM_201291	id2a	3.385125888	5.522609126	-2.137483238	0.019459
peak_15409	chr7	59322319	59323295	21089	intron (NM_001006063, intron 1 of 6)	NM_001006063	ank2b	5.692198151	7.829924173	-2.137726022	2.43E-06
peak_18960	chr16	56548450	56548824	22388	intron (NM_001098197, intron 3 of 10)	NM_001097586	nkd2b	4.953071725	7.09103632	-2.137964595	2.32E-05
peak_30149	chr1	53869963	53870321	-37	promoter-TSS (NM_199523)	NM_199523	ucp1	4.048110285	6.186097905	-2.13798762	0.002111
peak_42912	chr4	11873885	11874260	-14055	Intergenic	NM_001159768	b2m	3.006230172	5.1442937	-2.138063528	0.028191
peak_21750	chr7	29637377	29637745	102593	Intergenic	NM_001045089	stk33	3.921456318	6.059603314	-2.138146996	9.67E-05
peak_12360	chr2	44355557	44356709	-11733	Intergenic	NM_194361	mpz	7.499367277	9.637645384	-2.138278108	1.91E-07
peak_34055	chr7	32901668	32902036	-125916	Intergenic	NM_001199362	cilp	2.621928594	4.760297539	-2.138368945	0.005592
peak_23876	chr16	21501767	21502182	8054	Intergenic	NM_205550	sp8b	4.187645218	6.326022843	-2.138377625	0.000245
peak_19873	chr13	39792154	39792650	-3748	Intergenic	NM_001111187	zgc:172136	5.478525434	7.617311262	-2.138785828	3.82E-05
peak_18390	chr6	12839258	12839826	5505	Intergenic	NM_131882	cxcr4a	5.562061991	7.700934899	-2.138872908	1.69E-05
peak_43641	chr18	23444719	23445148	214132	Intergenic	NM_131183	nr2f2	2.247969535	4.387060544	-2.139091008	0.031409
peak_34090	chr17	41193355	41193668	47343	intron (NM_001002117, intron 7 of 8)	NM_001002117	rbks	3.137236739	5.276395118	-2.139158379	0.005632
peak_19530	chr9	57575631	57576127	52420	Intergenic	NM_001017557	Sep-10	4.128390782	6.267562835	-2.139172053	3.15E-05
peak_27315	chr15	16829938	16830249	-7943	Intergenic	NM_001020720	zgc:113279	3.166915653	5.306363769	-2.139448116	0.000866
peak_30080	chr2	2989388	2989812	19879	intron (NM_001256634, intron 1 of 32)	NM_001256634	rock1	3.17667448	5.316226461	-2.139551981	0.002068
peak_20052	chr23	6255518	6256117	127370	Intergenic	NM_200558	mybpha	5.528525488	7.668182258	-2.13965677	4.25E-05
peak_37181	chr8	27637782	27638314	7523	intron (NM_001128289, intron 1 of 14)	NM_001128289	si:dkey-159f12.3	3.782697136	5.922383662	-2.139686525	0.010975
peak_20453	chr14	39812408	39812899	-231733	Intergenic	NM_001099453	rnasel3	4.458077413	6.598086734	-2.140009322	5.18E-05
peak_12105	chr8	45694533	45695554	-63523	Intergenic	NM_001077753	zgc:123114	7.735228856	9.87528118	-2.140052323	1.48E-07
peak_14650	chr8	36867340	36867875	507886	Intergenic	NM_200957	slc15a4	5.498144577	7.638308775	-2.140164198	1.40E-06
peak_42073	chr16	35740905	35741204	-165723	Intergenic	NM_131161	pou3f1	2.715471362	4.855688062	-2.1402167	0.024919
peak_14186	chr14	51817889	51818964	96094	intron (NM_001017782_1, intron 14 of 17)	NM_001017782_1	dctn4	6.715643948	8.855925253	-2.140281305	9.77E-07
peak_23201	chr7	41745301	41745702	124466	intron (NM_001128667, intron 11 of 22)	NM_001128667	ptprn2	4.627224196	6.767532485	-2.140308289	0.000184
peak_32506	chr15	34748104	34748495	198673	Intergenic	NM_001080189_1	zgc:158328	3.124540972	5.264951076	-2.140410104	0.003899
peak_19446	chr7	54741213	54741632	38067	Intergenic	NM_001076585	zgc:153993	4.390377213	6.530985057	-2.140607844	3.00E-05
peak_12836	chr23	44746736	44747810	-13669	Intergenic	NM_212943	zgc:85858	6.647167322	8.787787402	-2.14062008	2.99E-07
peak_15819	chr25	29911161	29911677	29349	intron (NM_001083002, intron 2 of 8)	NM_001083002	arid3b	5.149641103	7.29049558	-2.140854477	3.30E-06
peak_19463	chr1	52452588	52453278	131935	Intergenic	NM_212969	dand5	4.788231132	6.929153456	-2.140922324	3.02E-05
peak_17257	chr6	53568484	53569156	159383	intron (NM_001013503, intron 5 of 14)	NM_213481_1	gnb1b	5.701945386	7.843011155	-2.14106577	8.32E-06
peak_40402	chr16	10183158	10183394	-219447	Intergenic	NM_001289913	cobl	0.234016866	2.375193231	-2.141176364	0.019241
peak_34902	chr5	16113121	16113552	-18976	intron (NM_001123312, intron 7 of 15)	NM_001002154	ap3m2	4.019847667	6.161033153	-2.141185486	0.006721
peak_14411	chr12	24193396	24194120	-77009	Intergenic	NM_206830	rab18a	5.872629271	8.013830274	-2.141201003	1.17E-06
peak_15516	chr21	356313	356942	-11958	Intergenic	NM_205663	lhfpl2a	5.341201883	7.482405694	-2.141203811	2.66E-06
peak_33671	chr23	37448458	37448879	26596	Intergenic	NM_001004547	fam43b	2.614767619	4.756085999	-2.14131838	0.00512
peak_13062	chr3	61340404	61341331	-16255	Intergenic	NM_001020529	tsen54	7.083269219	9.224874058	-2.141604839	3.76E-07
peak_13954	chr17	36106947	36107566	-48521	Intergenic	NM_131336	sox11a	6.158629984	8.30080154	-2.142171556	8.09E-07
peak_20016	chr11	1457913	1458413	16882	intron (NM_001020537, intron 1 of 12)	NM_001020537	phactr3b	4.601138539	6.743590975	-2.142452436	4.16E-05
peak_22995	chr23	1863661	1864027	138262	Intergenic	NM_001076663	rabggta	3.806462687	5.949078816	-2.142616128	0.000169
peak_16711	chr8	29368861	29369298	-6553	Intergenic	NM_213637	scrt2	5.099749972	7.242370122	-2.14262015	5.99E-06
peak_21910	chr1	23730086	23730506	304155	Intergenic	NM_001130587	tmem154	4.224639552	6.367283458	-2.142643906	0.000105
peak_17270	chr22	27345819	27346449	-108337	Intergenic	NM_001244080	capn8	5.373474308	7.516608212	-2.143133905	8.38E-06
peak_19626	chr1	51452557	51452927	22154	Intergenic	NM_131215	otx1a	3.814298329	5.957819084	-2.143520756	3.34E-05
peak_30452	chr5	6521538	6522285	9461	Intergenic	NM_001013333	zgc:110796	3.893534166	6.037169584	-2.143635418	0.002284
peak_13831	chr19	17364478	17365575	76635	intron (NM_001039524, intron 5 of 7)	NM_001039524	zfpm2b	6.372928379	8.516713296	-2.143784916	7.28E-07
peak_13832	chr10	45293775	45294556	-5121	Intergenic	NM_200592	nr2f1b	5.602523094	7.746632439	-2.144109344	7.28E-07
peak_14215	chr15	40493118	40493682	151800	Intergenic	NM_001002430	pxylp1	6.12711477	8.271277185	-2.144162415	9.95E-07
peak_16474	chr15	18071685	18072213	-114156	Intergenic	NM_001110169_1	zgc:171957	5.190658387	7.334860599	-2.144202212	5.17E-06
peak_21211	chr12	40827631	40828135	476482	Intergenic	NM_001099246	abca5	4.343369665	6.487649776	-2.144280111	7.44E-05
peak_36154	chr17	23294905	23295199	-18539	Intergenic	NM_001128712	pcgf5a	2.639677051	4.784009816	-2.144332765	0.008846
peak_15498	chr5	425384	426007	62736	Intergenic	NM_200293	ddrgk1	5.048735907	7.193164579	-2.144428672	2.61E-06
peak_40568	chr20	16573643	16574181	-34457	Intergenic	NM_001122745	ches1	0.978440673	3.122888826	-2.144448153	0.019874
peak_34631	chr8	17504296	17504528	82316	Intergenic	NM_001002530	rab3c	2.471023015	4.615578213	-2.144555198	0.006352
peak_13644	chr3	26581969	26582750	89093	intron (NM_001172397, intron 8 of 10)	NM_212762	rps15a	6.471824148	8.616447877	-2.144623729	6.27E-07
peak_17687	chr10	4160659	4161974	107238	Intergenic	NM_200920	pitpnb	6.003773875	8.148530234	-2.14475636	1.11E-05
peak_20979	chr16	30046099	30046996	-69149	Intergenic	NM_001017734	steap4	4.792204096	6.937101323	-2.144897227	6.63E-05
peak_12417	chr6	30114048	30114814	61322	Intergenic	NM_001045383	zgc:153311	6.280990881	8.42616142	-2.145170539	2.03E-07
peak_31331	chr5	26065319	26065729	-62905	Intergenic	NM_131822	znf703	3.761684263	5.906866299	-2.145182036	0.002868
peak_18765	chr9	48365576	48366059	-474704	Intergenic	NM_001126463	igfbp5a	4.401863281	6.547633207	-2.145769926	2.07E-05
peak_35003	chr9	16442019	16442284	-36285	Intergenic	NM_200144	upp2	2.909716015	5.05554094	-2.145824925	0.006871
peak_22274	chr7	71933435	71934407	-220204	Intergenic	NM_001080067	elp5	5.376123651	7.52197392	-2.145850269	0.000123
peak_38644	chr8	16026227	16026932	-204100	Intergenic	NM_001017814	spata6	4.189985985	6.335837808	-2.145851823	0.014315
peak_27158	chr16	505457	505811	64500	Intergenic	NM_201057	irx2a	4.329220506	6.475113751	-2.145893246	0.00082
peak_20299	chr7	11946033	11946473	216828	Intergenic	NM_200157	abhd17c	4.705344933	6.851477139	-2.146132207	4.83E-05
peak_35610	chr15	31264045	31264384	105859	Intergenic	NM_001110394	brca2	2.702019304	4.848311763	-2.146292459	0.007863
peak_19944	chr21	23599211	23599865	213624	intron (NM_001113551, intron 5 of 11)	NM_001004630	sc5d	5.759656677	7.905957545	-2.146300868	3.97E-05
peak_23889	chr9	32405329	32406017	90135	Intergenic	NM_131558	zic2a	4.429734144	6.576426558	-2.146692414	0.000246
peak_26101	chr7	35348899	35349439	-53108	intron (NM_001114317, intron 17 of 21)	NM_001130652	skor1a	3.514108747	5.660858961	-2.146750213	0.00057
peak_33618	chr8	27411254	27411511	36426	intron (NM_001122712, intron 5 of 14)	NM_001122712	sema3bl	2.42263522	4.569454575	-2.146819355	0.005044
peak_17352	chr24	24431038	24431554	16299	Intergenic	NM_200062	rrs1	5.906851463	8.053749604	-2.146898141	8.82E-06
peak_15667	chr16	21275170	21275889	-218391	Intergenic	NM_205550	sp8b	5.690070444	7.837051104	-2.14698066	2.97E-06
peak_30153	chr8	10681774	10682383	232582	Intergenic	NM_001077391	zgc:153997	3.993783045	6.14084187	-2.147058825	0.002113
peak_19078	chr18	12493151	12493801	106210	Intergenic	NM_001075112	tmem5	4.896489853	7.0435828	-2.147092947	2.48E-05
peak_25259	chr8	34157688	34158365	71929	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	4.489794063	6.637078307	-2.147284244	0.000426
peak_35427	chr6	55455488	55455907	-115715	Intergenic	NM_200550_1	ctsa	3.664163689	5.811554748	-2.147391059	0.007541
peak_27732	chr9	50665013	50665498	-237361	Intergenic	NM_200132	scn1a	3.718814869	5.866430393	-2.147615524	0.001004
peak_32976	chr13	9823997	9824352	2405	exon (NM_131362, exon 2 of 2)	NM_131362	six3a	2.912638768	5.060275559	-2.147636791	0.004377
peak_35204	chr9	29653241	29653679	-68766	Intergenic	NM_001044782	zgc:162396	1.44299439	3.590898883	-2.147904493	0.007188
peak_28052	chr6	52795351	52795885	-16559	intron (NM_213549, intron 15 of 15)	NM_001089451	or134-1	3.529533336	5.677460552	-2.147927216	0.00112

peak_33233	chr12	41241653	41242611	890731	Intergenic	NM_001099246	abca5	4.500574775	6.648613385	-2.14803861	0.004631
peak_27198	chr19	37937395	37938116	589702	Intergenic	NM_131814	angpt2b	4.456075431	6.604160851	-2.14808542	0.000832
peak_22827	chr9	11241481	11242070	-18322	Intergenic	NM_214787	asic4a	4.25726398	6.405825687	-2.148561707	0.000156
peak_26551	chr5	28432326	28432668	7500	exon (NM_001123279, exon 6 of 6)	NM_001123279	si:ch211-102c2.7	4.216384103	6.364972646	-2.148588543	0.000664
peak_41106	chr23	37049730	37050148	-69948	Intergenic	NM_001089535	ube2j2	3.48887231	5.637592546	-2.148720236	0.021724
peak_42228	chr16	56096218	56096510	-21418	Intergenic	NM_152960	fabp10a	0.653720264	2.80249076	-2.148770496	0.025411
peak_22883	chr19	26581768	26582096	125267	intron (NM_001202459, intron 3 of 17)	NM_001202459	jarid2b	3.753556765	5.902339887	-2.148783121	0.000159
peak_13453	chr18	32375501	32376520	8174	intron (NM_001144796, intron 3 of 4)	NM_001144796	c3orf33	6.467840961	8.616624425	-2.148783464	5.33E-07
peak_23190	chr25	21453600	21453990	90791	Intergenic	NM_200407	ergic2	3.820536344	5.969379099	-2.148842755	0.000183
peak_24370	chr19	21338452	21338798	54820	Intergenic	NM_214704	cndp2	3.937329692	6.086252528	-2.148922836	0.000301
peak_22138	chr2	21155508	21155943	3225	intron (NM_001076615, intron 1 of 6)	NM_001076615	ctdsplb	3.755185932	5.904127062	-2.14894113	0.000116
peak_38020	chr19	35035247	35035528	-31237	Intergenic	NM_001076776	runx1t1	2.359525028	4.508506171	-2.148981143	0.012817
peak_43918	chr7	44304721	44305310	52559	intron (NM_001146305, intron 1 of 13)	NM_001146305	plxdc2	3.717144084	5.866283169	-2.149139085	0.03262
peak_21724	chr10	46096110	46096514	184175	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	4.457076769	6.606236344	-2.149159575	9.50E-05
peak_19043	chr13	37903987	37904483	-31948	Intergenic	NM_001167958	wdr89	5.347155463	7.496409545	-2.149254082	2.44E-05
peak_35145	chr3	19672308	19672606	99364	Intergenic	NM_001110417	tlk2	3.162011373	5.311289059	-2.149277686	0.007104
peak_18531	chr9	22759659	22761638	4569	Intergenic	NM_001002483	sox1a	6.40450647	8.553998867	-2.149492397	1.81E-05
peak_30640	chr12	32995235	32995636	114200	intron (NM_001034980, intron 5 of 7)	NM_001034980	vti1a	3.598418383	5.747938329	-2.149519946	0.00239
peak_18414	chr20	28425431	28426200	8254	Intergenic	NM_001002565	pigh	4.892054049	7.041666424	-2.149612376	1.70E-05
peak_12841	chr19	26444395	26445065	-11935	Intergenic	NM_001202459	jarid2b	6.546097177	8.695729925	-2.149632748	3.00E-07
peak_19433	chr3	46342300	46342888	75419	Intergenic	NM_001017690	snrnp25	5.321511783	7.471401441	-2.149889659	2.97E-05
peak_36309	chr5	64418598	64419089	-5591	Intergenic	NM_199780	gatsl2	3.825287705	5.975194676	-2.14990697	0.009151
peak_14008	chr13	52239320	52241920	23814	intron (NM_001045030, intron 9 of 15)	NM_001045030	prtga	6.727762337	8.877955768	-2.150193431	8.50E-07
peak_33203	chr8	28747414	28747789	-36200	Intergenic	NM_001077371	cttnbp2nlb	3.081035483	5.231358962	-2.150323479	0.004603
peak_38022	chr15	39335793	39336245	144727	Intergenic	NM_001077577	fat3a	3.665896933	5.816398078	-2.150501144	0.012821
peak_17440	chr6	50852005	50852836	-170368	Intergenic	NM_001184955	pigu	5.351501375	7.502044987	-2.150543612	9.34E-06
peak_33963	chr21	5448683	5449039	94	promoter-TSS (NM_001204154)	NM_001204154	st8sia5	3.318241319	5.468813789	-2.15057247	0.005488
peak_25646	chr15	46083564	46084017	-3404	Intergenic	NM_001089504	zgc:162985	3.025258877	5.175914632	-2.150655754	0.000487
peak_22833	chr25	26318404	26319002	53292	Intergenic	NR_029936		5.766158514	7.916819386	-2.150660872	0.000156
peak_16343	chr3	49463897	49464389	-45467	Intergenic	NM_001017786	znf750	5.238716735	7.389383497	-2.150666762	4.73E-06
peak_14117	chr9	52208525	52209322	-402625	Intergenic	NM_001242770	gcgb	6.718802692	8.869683493	-2.150880801	9.28E-07
peak_26001	chr18	30225862	30226277	-159949	Intergenic	NM_001080807	gse1	4.350994206	6.501956002	-2.150961796	0.00055
peak_13123	chr16	8734089	8734791	-71668	Intergenic	NM_199515	prdm1a	7.093466298	9.244595689	-2.151129391	3.96E-07
peak_30458	chr11	43537372	43537777	10049	intron (NM_001005987, intron 3 of 9)	NM_001005987	dennd6aa	3.033337828	5.18453376	-2.151195933	0.002287
peak_24894	chr7	42180305	42180982	-49012	Intergenic	NM_001077256	rnf32	4.997269214	7.148558446	-2.151289232	0.000373
peak_16237	chr11	33767458	33768017	-232236	Intergenic	NM_001160822	pcdh17	5.584255219	7.735564737	-2.151309518	4.38E-06
peak_31399	chr23	1640356	1640646	-44214	Intergenic	NM_213471	stxbp3	2.657209812	4.808670094	-2.151460281	0.002914
peak_19074	chr10	39457633	39458083	-18948	Intergenic	NR_030051		4.562527284	6.71429825	-2.151770966	2.47E-05
peak_22432	chr6	34731550	34732027	37063	Intergenic	NM_212621	uap1	3.986866231	6.138792465	-2.151926234	0.000132
peak_28130	chr16	58019895	58020297	32224	intron (NM_200561_2, intron 5 of 10)	NM_200561_2	fzd6	3.761684263	5.913691289	-2.152007026	0.001152
peak_14779	chr22	574431	575882	29	promoter-TSS (NM_001044919)	NM_001044919	tmcc2	7.309047371	9.461093367	-2.152045996	1.55E-06
peak_26669	chr25	33584152	33584546	74732	intron (NM_001123047, intron 18 of 29)	NM_001123047	scaper	3.667729028	5.820180119	-2.152451092	0.000692
peak_20694	chr13	22184500	22185773	218828	Intergenic	NM_001145707	zswim8	6.58607376	8.738777057	-2.152703297	5.84E-05
peak_23817	chr23	2658081	2658663	-81698	Intergenic	NM_001030232	zgc:114123	4.315971024	6.468683233	-2.152712209	0.000239
peak_22689	chr2	47245705	47246121	276710	Intergenic	NM_001145932	acsl3b	3.760062422	5.91283927	-2.152776848	0.000147
peak_22033	chr10	10256626	10256912	38681	Intergenic	NR_029938		3.038698769	5.191689383	-2.152990613	0.000111
peak_19190	chr9	55443320	55444049	-22726	Intergenic	NR_039116		4.573649529	6.726772575	-2.153123046	2.62E-05
peak_15486	chr3	55508346	55508942	12213	intron (NM_001159970, intron 1 of 1)	NM_001159970	s1pr2	5.255538418	7.408897376	-2.153358958	2.58E-06
peak_23726	chr2	48090815	48091202	11706	Intergenic	NR_120356		3.896489853	6.049901397	-2.153411545	0.000228
peak_13264	chr13	16671077	16671664	99738	intron (NM_001145600, intron 2 of 28)	NM_001145600	kcnma1a	5.663346902	7.816841576	-2.153494673	4.46E-07
peak_40315	chr12	30265838	30266189	-31337	Intergenic	NM_001170599	tbx21	2.912638768	5.066392472	-2.153753705	0.018978
peak_23109	chr9	17998341	17998834	43581	Intergenic	NM_001002190	rgcc	4.712909731	6.866702314	-2.153792583	0.000177
peak_21765	chr13	24806904	24807330	-1174	TTS (NM_001004529)	NM_001004530	fuom	4.284661742	6.438721772	-2.15406003	9.73E-05
peak_12144	chr7	45708571	45709942	-16434	Intergenic	NM_001017669	dync1li2	8.690114359	10.84441504	-2.154300686	1.55E-07
peak_12231	chr6	6468682	6469965	61495	Intergenic	NM_001100951	bcl11ab	8.130907396	10.28527044	-2.154363045	1.68E-07
peak_27702	chr20	30314077	30314398	82555	Intergenic	NM_001002716	allc	3.09910867	5.253618301	-2.154509631	0.000991
peak_14278	chr21	37035707	37037046	39729	intron (NM_001080003, intron 1 of 5)	NM_001080003	si:ch211-208m1..	6.977096097	9.131814408	-2.154718311	1.04E-06
peak_24036	chr25	2739509	2740168	-76937	Intergenic	NM_001079965	adpgk	5.299843298	7.454580724	-2.154737427	0.000261
peak_18574	chr7	55952974	55953473	-42506	intron (NM_001077575, intron 12 of 12)	NM_001128270	LOC796180	4.868119378	7.023126392	-2.155007014	1.85E-05
peak_14170	chr1	184459	185698	27881	intron (NM_201027, intron 1 of 11)	NM_199978	gas6	5.901322886	8.056421473	-2.155098587	9.65E-07
peak_13463	chr12	50411061	50412176	14300	intron (NM_200591, intron 5 of 7)	NM_001114902	zgc:175139	7.346909015	9.50203908	-2.155130065	5.38E-07
peak_16638	chr13	30211096	30211760	-7611	Intergenic	NM_201496	hif1an	4.826017789	6.981311304	-2.155293515	5.71E-06
peak_27296	chr7	45365311	45365693	-67968	Intergenic	NM_001003983	cdh5	3.795420797	5.950856966	-2.155436169	0.000858
peak_19157	chr15	19430334	19431323	-884	promoter-TSS (NM_130944)	NM_130944	dlc	6.385899469	8.541781352	-2.155881883	2.58E-05
peak_32190	chr19	6539353	6539616	166594	Intergenic	NM_001044921	gsk3aa	2.664163689	4.820297612	-2.156133923	0.003584
peak_29336	chr2	29096070	29096425	103690	Intergenic	NM_131110	cahz	2.708761012	4.864965485	-2.156204473	0.001679
peak_17564	chr19	15919035	15919614	424058	Intergenic	NM_001201443	gmeb1	3.960193277	6.116531956	-2.156338679	1.03E-05
peak_31742	chr12	38500567	38501002	-9043	Intergenic	NM_001080568	hs3st3b1b	4.048032748	6.204569394	-2.156536646	0.003214
peak_16109	chr1	52042367	52042925	-3444	Intergenic	NM_001111157	etaa1	4.99997995	7.156548753	-2.156568803	4.02E-06
peak_21294	chr5	8569157	8569465	10151	intron (NM_001002654, intron 2 of 13)	NM_001002654	pdlim5a	3.44299439	5.599686792	-2.156692402	7.70E-05
peak_43661	chr21	999281	999530	-108297	Intergenic	NM_201138	txnl1	0.234016866	2.390785536	-2.15676867	0.03152
peak_14955	chr10	32153939	32154580	33796	intron (NM_153654, intron 1 of 10)	NM_153654	pknox2	5.750653646	7.907467917	-2.156814272	1.74E-06
peak_32998	chr6	23176705	23177243	1	promoter-TSS (NM_214684)	NM_214684	cacng1	3.66242836	5.819325849	-2.156897489	0.004396
peak_24297	chr15	429586	429898	-24849	Intergenic	NM_131034	gbas	3.735417151	5.892331452	-2.156914301	0.000293
peak_20648	chr13	25300728	25301292	120982	intron (NM_001272084, intron 4 of 10)	NM_001272084	adka	4.839134981	6.996126118	-2.156991137	5.72E-05
peak_21207	chr15	26750863	26751101	14539	intron (NM_130914, intron 5 of 8)	NM_130914	tbx4	3.275608918	5.432638988	-2.15703007	7.43E-05
peak_12599	chr7	17521030	17521677	-183928	Intergenic	NM_001006026	csrp3	6.618524099	8.775579028	-2.157054929	2.39E-07
peak_23695	chr9	12301401	12302687	8374	intron (NM_001122701, intron 1 of 3)	NM_001122701	znf804a	5.896858888	8.054024993	-2.157166105	0.000225
peak_34617	chr15	34765090	34765386	215612	Intergenic	NM_001080189_1	zgc:158328	3.25733105	5.414711319	-2.15738027	0.006336
peak_20545	chr20	48091023	48091393	-209144	Intergenic	NM_200967	efhc1	4.222285668	6.379898751	-2.157613083	5.45E-05
peak_15512	chr15	20364155	20364925	-34735	Intergenic	NR_030052		5.812366229	7.97007095	-2.157704721	2.64E-06
peak_26968	chr18	29475051	29475327	122980	Intergenic	NM_131844	maf	3.459077363	5.616831771	-2.157754408	0.00077
peak_33295	chr23	5547843	5548188	-69224	Intergenic	NR_039095		3.31603542	5.474014085	-2.157978665	0.004694
peak_30684	chr7	12429036	12429363	-227286	Intergenic	NM_001080704	mesdc2	2.66069094	4.818694563	-2.158003622	0.002415
peak_15344	chr24	4917797	4918429	-72709	Intergenic	NM_001110021	cpb1	5.177317667	7.335426116	-2.158108449	2.33E-06
peak_24124	chr7	7949523	7949879	83228	exon (NM_205544, exon 16 of 21)	NM_205544	actn3b	4.329220506	6.487399037	-2.158178531	0.000272
peak_17544	chr5	51035467	51035873	-223950	Intergenic	NM_001201438	si:dkey-172m14..	4.062656257	6.220865625	-2.158209368	1.01E-05
peak_21222	chr19	29533754	29534462	243104	Intergenic	NM_001080628	zgc:158604	6.440479919	8.598717228	-2.15823731	7.46E-05
peak_40903	chr4	37372677	37373025	811622	Intergenic	NM_001114900	zgc:174708	0.653720264	2.811965507	-2.158245243	0.020942
peak_17567	chr3	17567608	17567897	34379	Intergenic	NM_001003433	nkiras2	3.886118348	6.044451032	-2.158332683	1.03E-05
peak_19575	chr3	48559199	48559686	48728	intron (NM_001079978, intron 1 of 5)	NM_001079978	zgc:158309	4.702814493	6.861165207	-2.158350715	3.23E-05
peak_32005	chr7	15255260	15255590	1575	Intergenic	NR_045222		3.236351702	5.394705561	-2.158353859	0.003434
peak_29104	chr22	41886182	41886547	17069	intron (NM_131379, intron 2 of 15)	NM_131379	kal1b	3.33794409	5.496342802	-2.158398712	0.001561
peak_18516	chr16	35737336	35737750	-169234	Intergenic	NM_131161	pou3f1	4.748610487	6.90705011	-2.158439623	1.80E-05
peak_11307	chr5	29156074	29157501	-13281	Intergenic	NM_205585	sfrp1a	8.239012092	10.39756081	-2.158548719	6.72E-08
peak_20802	chr14	38403093	38403733	196514	Intergenic	NM_001048055	lect2l	4.153388562	6.311998238	-2.158609676	6.12E-05
peak_18022	chr4	16541678	16541990	-50680	Intergenic	NM_001045096	recql	3.636144784	5.794887222	-2.158742438	1.38E-05
peak_19752	chr8	44318988	44319405	-40222	Intergenic	NM_001017996	gfra2a	3.930136166	6.089012562	-2.158876396	3.55E-05
peak_21346	chr25	15360929	15361340	-50738	Intergenic	NM_131304	pax6a	4.096540606	6.255463171	-2.158922564	7.91E-05
peak_40243	chr13	21088837	21089776	-409850	Intergenic	NM_001144786	si:ch1073-126c3..	0.639677051	2.798693219	-2.159016168	0.018751
peak_17904	chr15	26572874	26573359	-140170	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	4.31265569	6.471798595	-2.159142905	1.29E-05
peak_22766	chr16	917116	917549	96682	Intergenic	NM_207185	irx1a	4.390377213	6.549681818	-2.159304605	0.000152
peak_17717	chr22	12455211	12455759	-48661	Intergenic	NR_030072		4.222285668	6.381693058	-2.15940739	1.14E-05
peak_18997	chr19	31977152	31977628	68012	intron (NM_001044774, intron 8 of 10)	NM_001044774	trit1	4.977783805	7.137209009	-2.159425204	2.38E-05
peak_16036	chr17	8366541	8367069	41216	intron (NM_001080601, intron 1 of 5)	NM_001080601	fzd3b	5.411740134	7.57151423	-2.159774096	3.86E-06

peak_12392	chr6	19968091	19968999	17194	Intergenic	NM_182866	glulb	6.541134189	8.700922714	-2.159788524	1.98E-07
peak_12386	chr3	28731653	28733250	83959	Intergenic	NM_001201336	fbxl16	8.301951009	10.46189882	-2.159947815	1.97E-07
peak_12824	chr15	38079720	38080312	133637	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	6.291991931	8.451953804	-2.159961873	2.97E-07
peak_20943	chr18	40753956	40754509	45739	intron (NM_199804, intron 4 of 22)	NM_199804	cntn5	4.123353545	6.283428674	-2.160075129	6.52E-05
peak_16894	chr11	4834116	4835464	-10114	Intergenic	NM_001077310		7.047729513	9.207877104	-2.160147591	6.65E-06
peak_18353	chr6	8884000	8884473	-175196	Intergenic	NM_001004584	sdprb	4.436916749	6.597244823	-2.160328074	1.66E-05
peak_25441	chr22	39123422	39123856	290846	Intergenic	NM_001017600	polr2h	4.323741357	6.484168814	-2.160427457	0.000455
peak_18870	chr3	60067736	60068027	-121821	Intergenic	NM_001113799	zmp:000000068(	3.85293938	6.013395822	-2.160456442	2.20E-05
peak_14362	chr21	3124687	3125940	74628	Intergenic	NM_213302	hnrnpabb	5.68407117	7.844697551	-2.16062638	1.12E-06
peak_16633	chr9	51448894	51449364	-283637	Intergenic	NM_001017644	slc38a11	4.592051336	6.752801108	-2.160749772	5.69E-06
peak_19049	chr17	11175770	11176213	17380	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	3.772986383	5.933930156	-2.160943773	2.44E-05
peak_21092	chr7	70582433	70582900	-151571	Intergenic	NM_199682	ap1g1	3.779405205	5.940456496	-2.161051292	7.00E-05
peak_34188	chr15	20455935	20456366	46852	Intergenic	NR_030067		3.353084575	5.514171077	-2.161086502	0.005752
peak_19437	chr21	6738549	6739047	30594	exon (NM_001003486, exon 2 of 4)	NM_001003486	olfm1b	3.59113946	5.752243449	-2.161103989	2.97E-05
peak_39340	chr23	11415076	11415421	-65148	Intergenic	NM_001163106	chl1a	2.947423891	5.108610725	-2.161186834	0.016163
peak_15283	chr10	32063921	32064494	123848	intron (NM_153654, intron 3 of 10)	NM_153654	pknox2	5.045410894	7.206640478	-2.161229584	2.24E-06
peak_19964	chr6	2770106	2771091	-341325	Intergenic	NM_200334	hyi	5.048735907	7.210050732	-2.161314826	4.03E-05
peak_15176	chr14	30760949	30761481	-83774	Intergenic	NM_001079996	cyp4v7	5.445519203	7.607049647	-2.161530444	2.05E-06
peak_18822	chr19	5724303	5724719	2936	intron (NM_153667, intron 3 of 6)	NM_153667	tpi1a	4.384073326	6.545848925	-2.161775599	2.15E-05
peak_18363	chr9	42950615	42950959	-36715	Intergenic	NM_001039630	col18a1	3.992402332	6.154352452	-2.16195012	1.67E-05
peak_15664	chr8	45468156	45468740	87022	intron (NM_001007032, intron 17 of 44)	NM_001007031	fam101a	5.086184638	7.248151461	-2.161966823	2.96E-06
peak_19228	chr9	21686715	21687205	99437	intron (NM_001256622, intron 3 of 13)	NM_001256622	wu:fj20e02	3.280142431	5.44235515	-2.162212719	2.67E-05
peak_22976	chr24	11589895	11590298	3611	intron (NM_205728, intron 1 of 14)	NM_205728	gli3	3.917096733	6.079427021	-2.162330288	0.000167
peak_26905	chr9	13015023	13015367	-79847	Intergenic	NM_001005941	pttg1ipb	3.18152925	5.343864953	-2.162335703	0.000756
peak_24098	chr16	8481228	8481492	75410	Intergenic	NM_200373	sri	2.438945476	4.601296973	-2.162351497	0.000268
peak_19481	chr7	49540555	49540980	167437	Intergenic	NM_131427	cpeb1b	4.621876502	6.78460087	-2.162724368	3.06E-05
peak_18662	chr23	44749434	44750513	-10969	Intergenic	NM_212943	zgc:85858	7.071711711	9.234488204	-2.162776493	1.95E-05
peak_38361	chr6	37453323	37453653	7870	intron (NM_201652, intron 1 of 12)	NM_201652	jade3	2.964424746	5.127329165	-2.16290442	0.013687
peak_12019	chr10	4648119	4650137	-3864	Intergenic	NM_001002132	lppr1	7.819191119	9.98212129	-2.162930171	1.36E-07
peak_19457	chr18	3895207	3895791	413502	Intergenic	NM_200555	pdcd10a	4.002039684	6.165368554	-2.16332887	3.01E-05
peak_22290	chr6	42033165	42033699	-53218	Intergenic	NM_200501	parp3	3.544684847	5.7082275	-2.163542653	0.000124
peak_37966	chr17	24194811	24195251	48106	Intergenic	NM_131250	otx1b	3.988171427	6.151814955	-2.163643528	0.012678
peak_23947	chr6	884444	885059	72230	Intergenic	NM_001245966	zeb2b	5.133410493	7.297145717	-2.163735224	0.000251
peak_13923	chr25	8757496	8757904	1667	Intergenic	NR_029997		5.191260267	7.355003324	-2.163743057	7.84E-07
peak_25851	chr7	36141231	36141594	66207	Intergenic	NM_001113472	slc9a5	3.886118348	6.049877388	-2.16375904	0.000522
peak_18267	chr20	5230729	5231353	38116	intron (NM_001002628, intron 1 of 6)	NM_001002628	ccdc85cb	6.096521862	8.260357044	-2.163835182	1.59E-05
peak_16031	chr2	10164703	10165258	13058	intron (NM_213146, intron 2 of 11)	NM_213146	wls	4.70702943	6.871184272	-2.164154842	3.85E-06
peak_21093	chr15	3113701	3114298	-59313	Intergenic	NM_001045369	zgc:153184	4.862084173	7.026308664	-2.164224491	7.00E-05
peak_43404	chr19	3578273	3578494	14381	intron (NM_001077735, intron 3 of 15)	NM_001083069	scxa	2.42263522	4.586951326	-2.164316107	0.03042
peak_15480	chr22	15805981	15807037	36059	Intergenic	NM_131127	lpl	6.610221378	8.774621266	-2.164399888	2.57E-06
peak_14465	chr13	22158337	22159141	192431	Intergenic	NM_001145707	zswim8	5.506418819	7.670985871	-2.164567051	1.23E-06
peak_21566	chr12	33363317	33363826	-36794	Intergenic	NM_001110373	habp2	5.120828315	7.285489983	-2.164661668	8.83E-05
peak_16461	chr14	5692675	5693142	-8329	Intergenic	NM_153651	tlx2	5.311548883	7.476401236	-2.164852352	5.13E-06
peak_11818	chr5	38291331	38292547	-2113	Intergenic	NM_130958	dlb	8.364057453	10.52891018	-2.164852728	1.11E-07
peak_23640	chr8	29862145	29862560	113621	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	3.669457996	5.834393385	-2.164935389	0.000219
peak_19717	chr2	28294198	28294545	-151011	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	4.100390989	6.265347918	-2.164956929	3.50E-05
peak_30671	chr21	40315015	40315572	20151	intron (NM_001030122, intron 1 of 8)	NM_001030122	ppp2r2bb	4.249193638	6.414231194	-2.165037555	0.002409
peak_26895	chr15	4228583	4228881	52049	intron (NM_131670, intron 5 of 6)	NM_131670	atp1b3b	3.481017596	5.646115011	-2.165097415	0.000752
peak_18232	chr15	31351899	31352445	-143284	Intergenic	NM_001005935	arfip2a	5.31265569	7.477862927	-2.165207237	1.55E-05
peak_15631	chr11	46344134	46345558	-182	promoter-TSS (NM_001110486_1)	NM_001110486_1	zgc:158292	6.901669233	9.067169647	-2.165500415	2.87E-06
peak_22358	chr15	33555217	33555663	67976	Intergenic	NM_001080189	zgc:158328	3.387228713	5.552751803	-2.165523091	0.000128
peak_35403	chr6	3412416	3412929	-31569	Intergenic	NM_001017625	dmbx1b	4.264212416	6.429777191	-2.165564775	0.007505
peak_31699	chr20	30792186	30792651	63942	Intergenic	NM_212997	acbd3	4.54462989	6.710246527	-2.165616637	0.003172
peak_34644	chr16	16307334	16307945	293105	Intergenic	NM_200232	polr3c	3.243333623	5.408984521	-2.165650898	0.006373
peak_18825	chr6	57628296	57628853	-23470	Intergenic	NM_001076592	zgc:153702	6.039406491	8.205381019	-2.165974528	2.16E-05
peak_39626	chr6	31915010	31915383	91887	Intergenic	NM_001002103	atg4c	2.834474036	5.00047387	-2.165999834	0.016946
peak_40253	chr22	38834283	38834691	442842	Intergenic	NM_001113587	hykk.2	3.017134431	5.183308465	-2.166174034	0.018777
peak_38105	chr25	14800919	14801167	32799	Intergenic	NM_131178	dbx1b	2.972850631	5.139275483	-2.166424852	0.013005
peak_14728	chr1	43097695	43098869	436046	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	6.57480318	8.741374457	-2.166571277	1.49E-06
peak_13173	chr3	10643906	10645232	51092	Intergenic	NM_130983	nog1	6.737721152	8.904303782	-2.16658263	4.14E-07
peak_14729	chr1	16376762	16377772	-41390	Intergenic	NM_214702	slc25a4	6.618984586	8.785848542	-2.166863956	1.49E-06
peak_20533	chr9	43549542	43549850	7655	intron (NM_182872, intron 1 of 9)	NM_182872	tfpia	3.812734601	5.979633227	-2.166898625	5.38E-05
peak_22601	chr2	38476405	38477083	-51014	Intergenic	NM_001245990	gig2q	4.556879349	6.723788355	-2.166909006	0.000141
peak_31430	chr5	35087692	35088253	-9115	Intergenic	NM_001128527	garnl3	3.92580277	6.092742634	-2.166939865	0.002932
peak_27689	chr23	9421037	9421315	46204	Intergenic	NM_001002641	acss2	3.275608918	5.442656798	-2.16704788	0.000987
peak_31966	chr4	25500720	25501003	-13414	Intergenic	NM_001002629	tnni1d	2.42263522	4.589725094	-2.167089874	0.003399
peak_15416	chr19	18964501	18965353	-3997	Intergenic	NM_001089367	smarcc1b	4.862084173	7.029364478	-2.167280305	2.45E-06
peak_13168	chr11	11774803	11775463	-65853	Intergenic	NM_131177	jupa	7.3827258	9.550040936	-2.167315136	4.13E-07
peak_20354	chr22	39031737	39032042	382596	Intergenic	NM_001017600	polr2h	3.546567647	5.713950494	-2.167382847	4.97E-05
peak_12216	chr3	60413778	60414500	-4	promoter-TSS (NM_001163005)	NM_001163005	LOC100302390	6.360909994	8.528378435	-2.167468441	1.65E-07
peak_16622	chr13	29939318	29940135	-54835	Intergenic	NM_131184	pax2a	6.506162855	8.673664697	-2.167501842	5.66E-06
peak_28711	chr15	4196854	4197158	83775	Intergenic	NM_131670	atp1b3b	3.282403856	5.449981109	-2.167577253	0.001373
peak_24028	chr2	28308788	28309271	-165669	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	4.25841321	6.426094736	-2.167681526	0.000259
peak_18087	chr16	52222083	52222482	174654	Intergenic	NM_001110524	brd2b	4.034679932	6.202387081	-2.167707149	1.43E-05
peak_31328	chr9	56748060	56748473	29157	Intergenic	NM_001004496	ofd1	3.017134431	5.184843014	-2.167708582	0.002866
peak_29462	chr4	13652381	13652730	55216	Intergenic	NM_001114488	si:ch211-127b11.	3.344452335	5.512181177	-2.167728842	0.001737
peak_14078	chr2	8112340	8112893	67034	Intergenic	NM_001007436	dia1a	6.423615206	8.591474334	-2.167859127	9.01E-07
peak_34186	chr1	38493803	38494141	-58312	intron (NM_001145602, intron 6 of 11)	NM_001020641	galnt7	1.961605146	4.129502499	-2.167897353	0.005747
peak_18728	chr1	35491090	35491429	-6938	Intergenic	NM_001080012	hhip	4.069219889	6.237145952	-2.167926063	2.03E-05
peak_13132	chr22	40330337	40331191	4920	Intergenic	NM_213118	sox2	6.306819258	8.474808314	-2.167989057	3.98E-07
peak_18971	chr25	12254134	12254503	284530	intron (NM_001256664, intron 11 of 16)	NM_001256664	ntrk3a	4.157090365	6.325245746	-2.168155381	2.34E-05
peak_13958	chr18	4595745	4596209	-21695	Intergenic	NM_001045395_1	glg1b	5.392995724	7.561373566	-2.168377841	8.13E-07
peak_21914	chr18	6292792	6293032	56831	intron (NM_001281989, intron 38 of 50)	NM_001281989	vwf	3.387228713	5.555610019	-2.168381307	0.000105
peak_21963	chr12	38699407	38699809	137907	Intergenic	NM_001040355	pmp22b	4.211645407	6.380203587	-2.168558181	0.000107
peak_25751	chr20	31939418	31939746	4974	intron (NM_001099981, intron 1 of 26)	NM_001099981	stxbp5a	2.44299439	4.611780591	-2.168786201	0.000505
peak_18823	chr3	38922898	38923186	-12262	Intergenic	NM_001045132	si:dkey-106c17.2	3.809602052	5.978458823	-2.168856771	2.15E-05
peak_14516	chr1	47237215	47238429	-18010	Intergenic	NR_030003		7.44982328	9.61868326	-2.16885998	1.27E-06
peak_16047	chr9	27089488	27089963	-29832	Intergenic	NM_213216	arglu1a	5.142189498	7.311144713	-2.168955214	3.89E-06
peak_17125	chr20	21105671	21106278	-101032	Intergenic	NM_001024815	btbd6b	5.426700284	7.595803015	-2.169102731	7.63E-06
peak_43572	chr16	38920746	38921305	-283700	Intergenic	NM_001200061	LOC100005807	2.664163689	4.833273766	-2.169110078	0.031093
peak_16702	chr7	57361357	57361934	-208	promoter-TSS (NM_212606)	NM_212606	cdh15	4.880158125	7.049396283	-2.169238158	5.96E-06
peak_21602	chr12	32857154	32857534	-67056	intron (NM_001034980, intron 7 of 7)	NM_131259	tcf7l2	3.603853576	5.773094731	-2.169241155	9.00E-05
peak_25313	chr9	36313166	36313603	-272352	intron (NM_131830, intron 1 of 16)	NM_152886	appb	3.921456318	6.09088129	-2.169424971	0.000435
peak_15406	chr22	14846345	14846850	-134624	Intergenic	NM_001024811	gtpbp1l	5.043412202	7.212873551	-2.16946135	2.42E-06
peak_37971	chr13	50050232	50050535	72782	intron (NM_001142263, intron 13 of 13)	NM_001142263	disc1	2.533336158	4.702810884	-2.169474726	0.012695
peak_38257	chr9	26973374	26973742	49776	intron (NM_001128555, intron 11 of 12)	NM_001128555	arhgap15	2.797003394	4.966515676	-2.169512282	0.013402
peak_19014	chr16	57848625	57849292	19185	Intergenic	NM_212929	ethe1	5.637002888	7.806583736	-2.169580849	2.39E-05
peak_20730	chr3	18383063	18384093	5582	exon (NM_205749, exon 5 of 5)	NM_205749	cbx4	4.123353545	6.293119826	-2.169766281	5.94E-05
peak_12482	chr7	57577341	57578509	-157933	Intergenic	NM_212585	ist1	6.803895434	8.973762924	-2.16986749	2.16E-07
peak_17422	chr22	27453641	27454245	2317	intron (NM_001045127, intron 3 of 4)	NM_001045127	si:dkey-44g23.5	5.051390411	7.221322707	-2.169932296	9.25E-06
peak_21871	chr6	44284893	44285247	48212	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	4.022555809	6.192501691	-2.169945881	0.000103
peak_26319	chr15	37623615	37624126	118952	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	3.777803175	5.947838007	-2.170034833	0.000614
peak_17438	chr12	29535454	29535897	361512	Intergenic	NM_001130772	zgc:195081	4.277877455	6.448006501	-2.170129046	9.33E-06
peak_22875	chr1	20419873	20420609	74252	Intergenic	NM_001037378	primpol	4.909801353	7.08001641	-2.170215056	0.000159
peak_42705	chr24	13273788	13274088	-96962	Intergenic	NM_001080583	rdh10a	2.346615242	4.517188292	-2.170573049	0.027308

peak_18216	chr20	40353235	40353827	-1910	Intergenic	NM_001025545	clvs2	4.47701655	6.647767898	-2.170751348	1.54E-05
peak_27096	chr17	31140954	31141370	-23080	Intergenic	NM_001193598	eml1	3.826747503	5.997599993	-2.170852491	0.000803
peak_26066	chr10	7314129	7314551	93437	Intergenic	NM_214768	skiv2l2	3.943058799	6.114254991	-2.171196191	0.000562
peak_26439	chr7	23446471	23446709	-29032	Intergenic	NM_001017620_1	tmem256	2.947423891	5.118761333	-2.171337442	0.000639
peak_25330	chr20	27284932	27285404	-103066	Intergenic	NM_001025551	btbd7	4.115690573	6.28706479	-2.171374217	0.000438
peak_18878	chr7	73453842	73454209	434332	Intergenic	NM_001115141	dhx15	3.988252249	6.159676016	-2.171423767	2.21E-05
peak_29335	chr9	14184512	14185127	174995	Intergenic	NM_001076586	abi2a	3.917096733	6.088632815	-2.171536082	0.001679
peak_36165	chr7	34766196	34766477	7759	intron (NM_212849, intron 1 of 2)	NM_212849	glceb	2.234016866	4.405836454	-2.171819588	0.00887
peak_12597	chr3	45614764	45615763	-57927	Intergenic	NR_030667		6.966732128	9.138561633	-2.171829504	2.38E-07
peak_22924	chr12	36828538	36828924	-36095	Intergenic	NM_200770	fscn2b	3.500574775	5.672416583	-2.171841807	0.000163
peak_30113	chr19	4026535	4026930	-82801	Intergenic	NM_131519	edn1	4.017134431	6.18903839	-2.171903959	0.002088
peak_26656	chr1	39547161	39547680	189019	Intergenic	NR_030668		4.404980039	6.576908039	-2.171928	0.000687
peak_15545	chr6	7998654	8000438	-19558	Intergenic	NM_170763	fzd7b	7.413189837	9.585459565	-2.172269728	2.71E-06
peak_14020	chr3	54214920	54215689	-17874	Intergenic	NM_131549	notch3	5.702814493	7.875320118	-2.172505625	8.58E-07
peak_20760	chr17	9966596	9966987	63599	Intergenic	NM_001170739	mgaa	3.918551392	6.091129947	-2.172578555	6.00E-05
peak_27371	chr13	22315856	22316191	-89259	Intergenic	NM_205678	myoz1a	2.738714804	4.911348991	-2.172634187	0.000884
peak_16942	chr6	48075900	48076266	-19460	Intergenic	NM_201202	phc2b	3.996540512	6.169214155	-2.172673644	6.82E-06
peak_21033	chr19	37989502	37990008	641702	Intergenic	NM_131814	angpt2b	4.628165421	6.800954423	-2.172789002	6.82E-05
peak_26634	chr7	29519450	29519919	-35121	Intergenic	NM_173219	lmo1	4.27099468	6.444055977	-2.173061297	0.000684
peak_12680	chr11	1111338	1112287	-35531	intron (NM_212882_3, intron 5 of 8)	NM_001123238_1	atp2b2	5.940954807	8.114081594	-2.173126787	2.57E-07
peak_13003	chr9	38033050	38033743	13792	Intergenic	NM_131068	inhbb	6.375578724	8.548741708	-2.173162984	3.53E-07
peak_18133	chr15	38071083	38071649	142287	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	4.752693915	6.925959029	-2.173265113	1.47E-05
peak_12530	chr14	34440012	34440781	16117	Intergenic	NM_001013533	lamp2	6.971129961	9.144409604	-2.173279643	2.25E-07
peak_31231	chr10	31630586	31631035	167004	intron (NM_001005580, intron 6 of 6)	NM_001005580	opcml	4.555009968	6.728343984	-2.173334017	0.00279
peak_18105	chr8	3292136	3292675	40415	Intergenic	NM_001040010	lhx2b	5.122054653	7.295525616	-2.173470963	1.45E-05
peak_31493	chr19	26527969	26528509	71574	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	3.426730103	5.600219637	-2.173489534	0.002987
peak_23565	chr5	52188335	52188977	279178	Intergenic	NM_001135983	zgc:194908	4.24687951	6.420433034	-2.173553524	0.000212
peak_25189	chr9	35843113	35843353	67	promoter-TSS (NM_001128732)	NM_001128732	slc25a6	2.953113131	5.126731697	-2.173618566	0.000415
peak_29361	chr8	38295808	38296290	15301	intron (NM_001080076, intron 5 of 8)	NM_001080076	csf1b	3.940280644	6.114160974	-2.17388033	0.001688
peak_16507	chr18	43955892	43956500	74941	Intergenic	NM_001039634	wt1b	6.288604559	8.462638965	-2.174034405	5.29E-06
peak_19462	chr2	46283785	46284329	109225	intron (NM_201020, intron 1 of 1)	NM_201020	gpc1b	5.768153455	7.942310743	-2.174157288	3.02E-05
peak_20785	chr10	39709891	39710812	-73459	Intergenic	NM_001006039	samsn1b	5.851013934	8.025293678	-2.174279744	6.07E-05
peak_28119	chr21	9181135	9181536	-2322	intron (NM_001080201, intron 1 of 5)	NM_001163923_1	ccbe1	3.743647192	5.917944655	-2.174297463	0.001148
peak_22958	chr21	12151159	12151627	87647	Intergenic	NM_001025182	stxbp1a	4.268781826	6.443151185	-2.17436936	0.000166
peak_20864	chr11	8221346	8221923	50617	intron (NM_001080595, intron 9 of 12)	NM_001080595	ttll7	5.463597649	7.638052646	-2.174454998	6.28E-05
peak_18763	chr11	46562420	46562853	10364	TTS (NM_001017575_1)	NM_001017575_1	aspscr1	3.498630944	5.673127868	-2.174496924	2.07E-05
peak_18827	chr5	68248374	68248880	-60745	Intergenic	NM_001002491	olfm1a	4.581017006	6.755627142	-2.174610136	2.16E-05
peak_21304	chr20	44622984	44623530	43290	intron (NM_001099226, intron 7 of 12)	NM_001099226	mut	5.331952296	7.506743315	-2.174791018	7.75E-05
peak_17673	chr9	47812527	47813024	18493	intron (NM_001126464, intron 1 of 3)	NM_001126464	igfbp2b	5.079697909	7.254757538	-2.175059629	1.11E-05
peak_14427	chr20	37111591	37112458	-169746	Intergenic	NM_001006045	cited2	6.064299967	8.239426544	-2.175126577	1.19E-06
peak_24181	chr24	40677969	40678634	-55983	Intergenic	NM_205554	atp6v0cb	3.800163388	5.975472264	-2.175308876	0.000279
peak_19610	chr11	29475698	29475987	15606	intron (NM_001006070, intron 1 of 5)	NM_001006070	dhrs3b	4.002039684	6.177393602	-2.175353918	3.31E-05
peak_23964	chr4	20493935	20494369	25514	intron (NM_001003870, intron 1 of 25)	NM_001003870	ppp1r12a	3.2869161	5.462335925	-2.175419825	0.000253
peak_31112	chr20	8459801	8460181	137058	intron (NM_001040685, intron 2 of 25)	NM_001040685	dab1a	3.226989601	5.402415126	-2.175425525	0.002694
peak_18772	chr16	54183271	54183749	219788	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	4.478989702	6.654464608	-2.175474906	2.08E-05
peak_29195	chr22	15511407	15511781	19456	Intergenic	NM_001082927	si:dkey-236e20.7	3.496684491	5.672203212	-2.175518721	0.001606
peak_16097	chr19	104731	105273	54459	Intergenic	NM_001045306	dnajc8	5.221696597	7.397267211	-2.175570614	4.00E-06
peak_13775	chr12	36817280	36817842	-47265	Intergenic	NM_200770	fscn2b	6.385884132	8.56150429	-2.175620159	6.93E-07
peak_38755	chr15	28118519	28119105	-92274	Intergenic	NM_200018	blmh	4.166987057	6.342734826	-2.175747769	0.01462
peak_17381	chr9	18072951	18073612	118275	intron (NM_001128338, intron 42 of 44)	NM_001002190	rgcc	5.370789094	7.546537551	-2.175748457	9.03E-06
peak_11292	chr7	22282854	22283947	148499	Intergenic	NM_131806	efnb3b	7.867837041	10.04360765	-2.175770609	6.59E-08
peak_13984	chr9	51696188	51696868	-88951	Intergenic	NM_001020575	fign	5.889831022	8.065605412	-2.17577439	8.28E-07
peak_36466	chr1	54787604	54788199	207673	Intergenic	NM_130954	dla	3.742100794	5.918010584	-2.17590979	0.009477
peak_18698	chr13	52250543	52251308	-18410	intron (NM_001045030, intron 10 of 15)	NM_001113637	pygo1	5.915233837	8.091220458	-2.175986622	2.00E-05
peak_20964	chr4	18470235	18470579	158057	intron (NM_182865, intron 16 of 23)	NM_182865	snd1	3.504454597	5.680646877	-2.176192279	6.58E-05
peak_32989	chr7	19723373	19723796	92326	Intergenic	NM_001127308	dtx1	4.090025065	6.26637053	-2.176345465	0.004388
peak_26299	chr9	45307729	45308129	47644	intron (NM_001089474, intron 2 of 12)	NM_001089474	cerkl	3.284661742	5.46109188	-2.176430139	0.00061
peak_15519	chr10	40844062	40844611	-159083	Intergenic	NM_001037674	smtlb	5.430273871	7.606841962	-2.17656809	2.66E-06
peak_28428	chr3	43708798	43709136	-12374	Intergenic	NM_001002529	psmg3	3.33794409	5.514786716	-2.176842626	0.001259
peak_12490	chr24	39470990	39472121	-12547	Intergenic	NM_001009983	metrn	7.925707077	10.10292197	-2.177214896	2.17E-07
peak_20800	chr24	33304730	33305283	74188	Intergenic	NM_001018143	trdmt1	3.881650491	6.058913309	-2.177262818	6.12E-05
peak_16193	chr14	11323535	11324014	170786	Intergenic	NM_001077781	zdhhc15b	5.116995205	7.294364648	-2.177369443	4.27E-06
peak_19980	chr3	54219343	54219785	-22134	Intergenic	NM_131549	notch3	5.043373307	7.220765411	-2.177392104	4.07E-05
peak_13976	chr6	36254561	36255334	16398	Intergenic	NM_001080682	lrrc15	6.684511207	8.862014951	-2.177503744	8.25E-07
peak_22590	chr11	31345746	31346299	-43222	Intergenic	NM_001076640	tmem178	3.282403856	5.459938129	-2.177534273	0.000141
peak_43630	chr11	12576061	12576427	-40626	Intergenic	NM_001111152	zgc:174354	0.234016866	2.41159322	-2.177576354	0.031372
peak_41877	chr10	5659694	5660104	-75010	Intergenic	NM_212843	syk	3.205700064	5.383392482	-2.177692418	0.024239
peak_40610	chr17	8841501	8842033	-19982	Intergenic	NM_001077768	zranb1b	3.391425188	5.569143059	-2.177717871	0.019942
peak_20960	chr12	44086292	44086624	196180	Intergenic	NM_001080602	ebf3	3.340116769	5.51785737	-2.177740601	6.56E-05
peak_33152	chr25	13599169	13599530	-24855	Intergenic	NR_029920		3.37244417	5.550193925	-2.177749755	0.004559
peak_27445	chr5	36789319	36789606	29119	intron (NM_001020781, intron 7 of 26)	NM_001020781	fcho2	3.261922272	5.439690914	-2.177768642	0.000908
peak_43134	chr13	35216484	35217021	-137296	Intergenic	NM_001003562	sptlc3	2.31603542	4.494344594	-2.178309174	0.029161
peak_17965	chr5	75633249	75634460	48505	Intergenic	NM_200686	mtfp1	6.132488909	8.311193086	-2.178704177	1.34E-05
peak_15320	chr18	23614471	23614889	44385	Intergenic	NM_131183	nr2f2	4.811952101	6.990701977	-2.178749875	2.31E-06
peak_34428	chr10	971382	971724	-14239	Intergenic	NM_001099984_1	unc5c	2.350931353	4.529733385	-2.178802032	0.006089
peak_21548	chr4	9137977	9138441	164439	Intergenic	NM_001045158	sbf1	4.321479707	6.500431576	-2.178951869	8.76E-05
peak_19197	chr6	49461409	49461796	-3716	Intergenic	NM_212743	rplp2	3.855979326	6.035255559	-2.179276233	2.63E-05
peak_38367	chr12	27315631	27316005	-57328	Intergenic	NM_199545	glud1b	1.224639552	3.404186605	-2.179547053	0.013707
peak_19010	chr5	5455798	5456268	-244394	Intergenic	NM_001076606	mvb12ba	4.330313843	6.509862147	-2.179548304	2.39E-05
peak_25811	chr1	22854022	22854384	3722	Intergenic	NM_152975	mab21l2	3.698537809	5.87821787	-2.17968006	0.000516
peak_30564	chr8	52051070	52051369	23984	Intergenic	NM_200180	rmi1	2.471023015	4.650716574	-2.179693558	0.002348
peak_20464	chr5	40212805	40213089	-1083	Intergenic	NM_001017401	znhit1	3.277877455	5.45758356	-2.179706104	5.21E-05
peak_20188	chr25	5919891	5920344	77664	intron (NM_001197316, intron 2 of 24)	NM_001197316	plxnb2b	3.896489853	6.076197453	-2.1797076	4.56E-05
peak_15465	chr23	22629245	22629891	68052	intron (NM_001123053, intron 2 of 24)	NM_001123053	rap1gap	5.132783983	7.312628701	-2.179844718	2.54E-06
peak_21659	chr1	35198122	35198563	-5110	Intergenic	NM_213357	gab1	4.332498034	6.512423852	-2.179925818	9.24E-05
peak_40526	chr6	56436638	56437146	317515	Intergenic	NM_001008576_1	tfap2c	3.555944961	5.735892963	-2.179948002	0.019678
peak_14873	chr8	50309447	50311180	253548	Intergenic	NM_001128254	mfn2	6.86831855	9.048396741	-2.180078191	1.65E-06
peak_22264	chr22	4416116	4416552	23615	Intergenic	NM_001130638	zgc:195170	4.403941868	6.584127236	-2.180185369	0.000123
peak_13869	chr23	38962729	38963233	-83087	Intergenic	NM_001080609	sall4	6.299285064	8.479507345	-2.180222282	7.50E-07
peak_19161	chr19	38259085	38259635	-408084	Intergenic	NM_001007288	cx30.9	4.940238868	7.120760628	-2.180521761	2.58E-05
peak_27561	chr2	2320845	2321217	63577	Intergenic	NM_001291325	ss18	3.688341143	5.868866658	-2.180525514	0.000946
peak_23300	chr5	26118898	26119375	67499	Intergenic	NM_200182	tia1l	3.977045192	6.157696839	-2.180651647	0.00019
peak_37734	chr14	37588622	37588984	9837	intron (NM_213200, intron 1 of 6)	NM_213200	gpm6aa	2.745287581	4.926089013	-2.180801432	0.012113
peak_23507	chr8	13130987	13131435	-180994	Intergenic	NM_001128381	traf1	3.171803318	5.352805376	-2.181002058	0.000208
peak_17298	chr22	35769734	35770333	-245311	Intergenic	NM_173274	dag1	5.058703696	7.239933902	-2.181230206	8.50E-06
peak_25254	chr3	39303586	39304039	-3739	Intergenic	NM_001099423	plcd3a	3.874173177	6.055406648	-2.181233471	0.000425
peak_13699	chr23	44120406	44121758	58687	Intergenic	NM_213374	zgc:56304	6.327562975	8.508964568	-2.181401593	6.55E-07
peak_13726	chr20	33366273	33366918	33231	Intergenic	NM_212614	mycn	6.742234282	8.923684235	-2.181449954	6.66E-07
peak_19919	chr14	19811036	19811697	45275	intron (NM_130945, intron 3 of 29)	NM_130945	flt4	4.381965894	6.563453008	-2.181487114	3.92E-05
peak_31857	chr12	28548139	28548511	53737	Intergenic	NM_213517	bc2	3.561542232	5.743073213	-2.181530981	0.003322
peak_37380	chr12	36742734	36743317	-121801	Intergenic	NM_200770	fscn2b	3.630830115	5.81268782	-2.181857705	0.011402
peak_34485	chr25	1563950	1564345	-86495	Intergenic	NM_001077455	ppm1h	1.451058288	3.63326776	-2.182209472	0.006175
peak_22821	chr6	3559797	3560311	31340	Intergenic	NM_199547	ssb	4.482001777	6.664215817	-2.18221404	0.000156
peak_13942	chr24	35008570	35009482	9353	intron (NM_001025301, intron 1 of 9)	NM_001025301	tmeff1b	6.551732711	8.733994318	-2.182261608	7.97E-07
peak_21006	chr24	10416114	10416535	202086	Intergenic	NM_131412	myca	3.965832482	6.148179946	-2.182347464	6.72E-05

peak_31769	chr16	9831628	9831932	132049	TTS (NM_001289913)	NM_001289913	cobl	3.147197703	5.329589748	-2.182392045	0.003244
peak_15588	chr23	39405964	39406466	-16649	Intergenic	NM_001110410	kcng1	5.099749972	7.282248026	-2.182498054	2.77E-06
peak_16181	chr18	25735853	25736596	-95599	Intergenic	NM_199792	znf710a	6.880871852	9.0635889	-2.182717048	4.22E-06
peak_15520	chr13	1748870	1749557	25270	intron (NM_001110400_1, intron 4 of 5)	NM_001110400_1	hmgcll1	5.025258877	7.207976372	-2.182717495	2.67E-06
peak_21440	chr15	40770001	40770406	40848	Intergenic	NM_001007768	farsb	4.539967071	6.722763859	-2.182796788	8.30E-05
peak_13756	chr21	37038793	37039336	42417	intron (NM_001080003, intron 2 of 5)	NM_001080003	si:ch211-208m1..	6.001030212	8.18395839	-2.182928178	6.84E-07
peak_27956	chr1	4724873	4725293	-103418	Intergenic	NM_212965	nrp2a	3.494735408	5.677747286	-2.183011877	0.001089
peak_22265	chr7	72890777	72891099	863	exon (NM_001020693_1, exon 2 of 4)	NM_001020693_1	gba3	3.580151749	5.763175658	-2.18302391	0.000123
peak_14026	chr10	45059967	45060413	-3923	Intergenic	NR_045221		4.903160956	7.086637113	-2.183476158	8.61E-07
peak_24462	chr8	19724802	19725131	66304	Intergenic	NM_212872	zgc:77486	3.733765494	5.917290815	-2.18352532	0.000311
peak_26991	chr10	30454638	30455045	204933	intron (NM_001012378, intron 5 of 23)	NM_001037708	vps11	3.963015635	6.146547626	-2.183531992	0.000777
peak_26900	chr5	26451993	26452236	29596	exon (NM_001128530, exon 16 of 22)	NM_001128530	ap1b1	2.897965428	5.081509188	-2.18354376	0.000753
peak_18511	chr5	19123171	19123869	-435467	Intergenic	NM_001100015	chfr	5.199660318	7.383236021	-2.183575703	1.79E-05
peak_25598	chr7	73992690	73993032	58307	Intergenic	NM_001006020_1	ccdc149a	2.646715745	4.830321392	-2.183605647	0.000479
peak_16262	chr9	57033708	57034182	-28093	intron (NM_001007293, intron 10 of 15)	NM_200822	gpr143	4.862084173	7.045974644	-2.18389047	4.46E-06
peak_15399	chr8	14917442	14918246	19621	intron (NM_001025455, intron 5 of 7)	NM_001025455	acbd6	5.975339714	8.159328591	-2.183988878	2.41E-06
peak_17261	chr17	33170837	33172010	-102415	Intergenic	NM_131405	prox1a	5.320961872	7.505039801	-2.184077929	8.33E-06
peak_20561	chr19	46358087	46358506	-508435	Intergenic	NM_001083814	ptpro	4.838411507	7.022503743	-2.184092236	5.49E-05
peak_15421	chr7	47891036	47891559	261704	Intergenic	NM_130995	ccne1	4.905363553	7.089741938	-2.184378386	2.46E-06
peak_13760	chr7	57565373	57566202	-170071	Intergenic	NM_212585	ist1	5.628583953	7.813115603	-2.18453165	6.86E-07
peak_19238	chr13	14841309	14841749	4370	Intergenic	NM_131055	flh	4.347695481	6.532425159	-2.184729678	2.69E-05
peak_25131	chr16	25800711	25801131	29978	Intergenic	NM_131596	adar	2.463070247	4.647819125	-2.184748877	0.000406
peak_35341	chr16	13720036	13720304	-15229	exon (NM_214755, exon 15 of 20)	NM_001135137	cd4-2	2.702019304	4.886824642	-2.184805337	0.007385
peak_16055	chr2	29341629	29342369	17047	intron (NM_001202455, intron 2 of 9)	NM_001202455	dlgap1a	4.993092854	7.178155034	-2.18506218	3.91E-06
peak_13662	chr10	13517987	13518600	-157810	intron (NM_001098242, intron 3 of 8)	NM_001099446	LOC556326	6.248598586	8.433668498	-2.185069912	6.36E-07
peak_17408	chr8	44252738	44253250	25980	intron (NM_001017996, intron 2 of 8)	NM_001017996	gfra2a	4.705344933	6.89068138	-2.185336447	9.18E-06
peak_26981	chr16	35950054	35950764	13808	Intergenic	NM_199998	utp11l	3.728799148	5.914307551	-2.185508403	0.000774
peak_25766	chr24	36208557	36208783	-183290	Intergenic	NM_131456	ctnna1	2.091390725	4.276971653	-2.185580927	0.000508
peak_14548	chr23	2920565	2921466	-4550	Intergenic	NM_001089467	zgc:158828	6.26446506	8.450078154	-2.185613094	1.29E-06
peak_17698	chr6	35145125	35145950	159023	intron (NM_001256393, intron 3 of 18)	NM_199559	mier1a	4.865859134	7.051706399	-2.185847265	1.12E-05
peak_40440	chr11	37332432	37332941	82440	Intergenic	NM_001004590	cyb561d1	3.681503107	5.86743352	-2.185930413	0.01937
peak_21950	chr7	20095960	20096378	-107	promoter-TSS (NM_001017819)	NM_001017819	mllt3	3.758438756	5.944473387	-2.186034631	0.000107
peak_21702	chr16	33504738	33505322	-12142	Intergenic	NM_001014347	scrt1b	4.292536631	6.478695711	-2.186159081	9.40E-05
peak_21897	chr14	14124760	14125332	34192	intron (NM_213448, intron 11 of 14)	NM_213448	canx	4.356371015	6.542532711	-2.186161696	0.000104
peak_20617	chr21	4242201	4242646	34508	Intergenic	NM_001007061	dolpp1	3.880158125	6.066461769	-2.186303643	5.64E-05
peak_35139	chr1	46632880	46633118	-58441	Intergenic	NM_001037662	sox1b	2.961605146	5.147938075	-2.18633293	0.007094
peak_33674	chr22	3514931	3515249	-187072	Intergenic	NM_001285535	tbxa2r	2.964424746	5.150917979	-2.186493234	0.005121
peak_22198	chr11	16703466	16703925	102095	intron (NM_001030143, intron 9 of 9)	NM_001030143	slc25a26	4.30822336	6.494719011	-2.186495652	0.000118
peak_19314	chr6	43418848	43419395	37516	Intergenic	NM_001013450	zgc:113054	4.216384103	6.402939693	-2.18655559	2.80E-05
peak_18205	chr21	2150401	2151164	-26777	Intergenic	NM_001113432	st8sia3	4.527572549	6.714150415	-2.186577866	1.53E-05
peak_13621	chr12	49275067	49275574	146684	Intergenic	NM_198811	pald1a	5.545626554	7.732228025	-2.186601471	6.16E-07
peak_24067	chr20	44374914	44375271	69493	Intergenic	NM_130940	bon	3.504454597	5.691312737	-2.18685814	0.000265
peak_17643	chr18	1821292	1822009	-123953	Intergenic	NM_001030257	rab27a	4.7428742	6.930017856	-2.187143656	1.09E-05
peak_18509	chr8	35039950	35040491	-133788	Intergenic	NM_131616	pbx3b	5.205665308	7.393041929	-2.187376621	1.79E-05
peak_14995	chr19	49169636	49170141	12583	intron (NM_173223, intron 1 of 4)	NM_173223	sdc2	5.113824016	7.301301572	-2.187477556	1.79E-06
peak_38149	chr23	17749737	17750216	56309	Intergenic	NM_001002635	slc17a9b	4.004861327	6.192451709	-2.187590383	0.013137
peak_33641	chr1	20444723	20445118	98931	Intergenic	NM_001037378	primpol	2.451058288	4.638783976	-2.187725688	0.005079
peak_37792	chr23	40744632	40745171	59891	Intergenic	NM_199972	elovl4b	3.280142431	5.467942716	-2.187800285	0.012265
peak_39156	chr17	9092536	9092765	-270865	Intergenic	NM_001077768	zranb1b	1.984009138	4.171861889	-2.187852751	0.015696
peak_19574	chr6	21068057	21068563	38161	Intergenic	NM_205740	barhl2	4.758438756	6.946342011	-2.187903254	3.23E-05
peak_23883	chr17	50065403	50065684	-57916	Intergenic	NM_001017601	fcf1	2.970047467	5.158029915	-2.187982449	0.000245
peak_19006	chr25	28484839	28485529	2791	intron (NM_001080671, intron 1 of 4)	NM_001080671	hyal6	5.155857485	7.344018268	-2.188160783	2.39E-05
peak_18162	chr17	23941520	23942021	49580	Intergenic	NM_205752	b3gnt2b	4.677212817	6.865670618	-2.188457801	1.49E-05
peak_38279	chr18	27722135	27722479	41027	intron (NM_001002439, intron 2 of 8)	NM_001002439	tspan18b	2.862128275	5.050703326	-2.188575051	0.013455
peak_11928	chr3	41863006	41863907	-48825	Intergenic	NM_130971	lfng	7.560870931	9.749492214	-2.188621283	1.26E-07
peak_15543	chr20	33361238	33361864	28187	Intergenic	NM_212614	mycn	5.078397056	7.267100812	-2.188703756	2.70E-06
peak_20428	chr8	53125044	53125572	47209	Intergenic	NM_001123044	bin3	4.288041959	6.477155583	-2.189113624	5.14E-05
peak_14843	chr10	32473840	32474478	-20963	Intergenic	NM_131482	robo3	5.794978675	7.984212403	-2.189233729	1.62E-06
peak_17327	chr16	47473074	47473764	35474	Intergenic	NM_200129	dcaf13	5.231678245	7.421025837	-2.189347592	8.66E-06
peak_26560	chr20	30418352	30418687	13753	Intergenic	NM_001002659	rnaseh1	3.455073397	5.644428037	-2.18935464	0.000666
peak_24293	chr1	39361357	39361798	-90852	Intergenic	NM_205734	vegfc	4.510254836	6.699763178	-2.189508342	0.000292
peak_37636	chr20	32577944	32578233	37444	Intergenic	NM_001002588	sec63	2.964424746	5.154000934	-2.189576188	0.011919
peak_26079	chr5	37997165	37997737	-18335	Intergenic	NM_001080643	fam155b	4.827522021	7.017153566	-2.189631545	0.000566
peak_22074	chr17	17398960	17399404	-121130	intron (NM_001123049, intron 6 of 9)	NM_001080009	nrxn3a	4.119564041	6.309257581	-2.18969354	0.000112
peak_13945	chr23	36262822	36263786	33656	Intergenic	NM_131531	hoxc1a	5.919641425	8.10945096	-2.189809535	8.00E-07
peak_32744	chr13	49476106	49476488	-73700	Intergenic	NM_182860	msh6	1.787481669	3.977361937	-2.189880268	0.004127
peak_18213	chr22	10901515	10902085	9693	intron (NM_001001402, intron 3 of 3)	NM_001001402	enc1	4.895055873	7.084962901	-2.189907028	1.54E-05
peak_18580	chr1	14488383	14488851	-311971	Intergenic	NM_001020560	tusc3	4.185230144	6.375142297	-2.189912153	1.86E-05
peak_14773	chr2	27499624	27500316	21339	intron (NM_001110476, intron 3 of 10)	NM_001110476	tesk2	4.708711963	6.898970023	-2.19025806	1.55E-06
peak_15550	chr19	42284426	42285098	92028	Intergenic	NM_199593	shfm1	4.782650538	6.97291401	-2.190263472	2.71E-06
peak_13857	chr8	295588	296461	8997	Intergenic	NM_001017895	commd10	6.733157692	8.923434787	-2.190277095	7.46E-07
peak_17679	chr19	40990484	40991527	4618	exon (NM_213278, exon 5 of 10)	NM_213278	sfpq	5.828750721	8.019065638	-2.190314917	1.11E-05
peak_22563	chr17	38166150	38166402	-31569	intron (NM_001077519, intron 19 of 29)	NM_001076632	slc25a21	3.224639552	5.415078171	-2.19043862	0.000139
peak_28347	chr3	9921147	9921599	7307	intron (NR_105067, intron 1 of 5)	NR_105067		3.868075459	6.058677482	-2.190602023	0.001229
peak_12263	chr1	22617690	22619968	-22143	intron (NM_131735, intron 4 of 35)	NR_030122		8.22964593	10.42036802	-2.190722088	1.73E-07
peak_20054	chr8	9954428	9955014	160489	intron (NM_001098489, intron 5 of 31)	NM_001098489	plxna3	5.189418725	7.38041969	-2.191000965	4.26E-05
peak_31527	chr3	24172211	24172805	112332	Intergenic	NM_131115	hoxb1a	4.317138791	6.508210643	-2.191071852	0.003023
peak_11869	chr3	7376720	7377496	407135	Intergenic	NM_205613	hn1b	6.162932196	8.354045028	-2.191112831	1.18E-07
peak_40997	chr10	31146239	31146491	274992	intron (NM_001003852, intron 1 of 9)	NM_001003852	ntm	1.653720264	3.84483614	-2.191115876	0.021278
peak_17003	chr2	32815362	32816236	-91704	Intergenic	NM_001076570	rnf220a	4.953822712	7.145080101	-2.191257389	7.05E-06
peak_15812	chr11	23178638	23179320	26269	Intergenic	NM_001014295	tmem183a	5.704501946	7.895777127	-2.191275181	3.29E-06
peak_19249	chr14	36260249	36261082	151105	Intergenic	NM_001007108	il12ba	5.224051441	7.415362694	-2.191311253	2.70E-05
peak_15090	chr22	38861530	38862023	470131	Intergenic	NM_001113587	hykk.2	5.232297377	7.423780825	-2.191483448	1.94E-06
peak_20248	chr15	10549030	10549491	14695	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	4.357443976	6.549391628	-2.191947651	4.70E-05
peak_21185	chr8	12725612	12726069	90211	Intergenic	NM_001024214	endog	3.641439946	5.83366287	-2.192222923	7.37E-05
peak_30704	chr3	28257473	28257802	-30823	Intergenic	NM_001005596	rbfox1	2.44299439	4.635331801	-2.192337411	0.00243
peak_12592	chr14	48320468	48321793	30909	Intergenic	NM_200265	ttc9c	7.114141449	9.306529569	-2.19238812	2.37E-07
peak_18339	chr24	27620237	27621123	-145395	Intergenic	NM_001077761	nceh1b	5.390377213	7.582827024	-2.192449811	1.65E-05
peak_19163	chr19	47954937	47955532	8610	Intergenic	NM_001017816	utp23	5.077057032	7.269609745	-2.192552713	2.59E-05
peak_18587	chr7	52019619	52020471	-152566	Intergenic	NM_001127470	hypk	5.027956891	7.220572703	-2.192615812	1.87E-05
peak_39209	chr4	19091693	19092002	-72	promoter-TSS (NM_205539)	NM_205539	lrrc17	2.122017822	4.314988898	-2.192971076	0.015845
peak_27646	chr3	36114254	36114795	-52	promoter-TSS (NM_001002533)	NM_001002533	rab11fip4a	4.703609243	6.896723036	-2.193113793	0.000974
peak_27887	chr12	27100047	27100581	-28088	Intergenic	NM_131363	six3b	4.253810789	6.447112633	-2.193301844	0.001062
peak_24117	chr7	56445883	56446730	16811	Intergenic	NM_001077385	snai3	4.46113342	6.654481736	-2.193348316	0.000271
peak_18710	chr1	20607672	20608180	47138	intron (NM_131638, intron 6 of 10)	NM_131638	pax5	4.961605146	7.155074411	-2.193469265	2.01E-05
peak_13694	chr11	37599469	37600260	-18538	Intergenic	NM_001005312	parapinopsinb	6.399276025	8.593158004	-2.193881979	6.53E-07
peak_28967	chr6	5296182	5296569	864175	Intergenic	NM_201285	pou4f1	2.324838852	4.518804927	-2.193966075	0.001496
peak_42024	chr5	56915941	56916830	21807	Intergenic	NM_001003753	gna14	0.215200887	2.409184908	-2.193984021	0.024783
peak_15858	chr6	36260167	36260756	21912	Intergenic	NM_001080682	lrrc15	4.47207183	6.666192402	-2.194120572	3.42E-06
peak_18603	chr6	19055475	19056161	32100	intron (NM_001014307, intron 6 of 9)	NM_001014307	sept9b	4.953822712	7.147957573	-2.194134861	1.89E-05
peak_22096	chr13	13254506	13254913	-99082	Intergenic	NM_131606	fgfr3	3.793836463	5.98813517	-2.194298707	0.000113
peak_13881	chr22	32986949	32988134	-32708	Intergenic	NM_131237	mxi1	5.825630178	8.02012145	-2.194491272	7.59E-07
peak_22495	chr8	10931034	10931920	-16817	Intergenic	NM_001077391	zgc:153997	5.57223697	7.766864806	-2.194627835	0.000135
peak_17228	chr7	53105253	53106503	-1949	Intergenic	NM_001114891	cited1	6.416395938	8.61109442	-2.194698483	8.18E-06
peak_21181	chr5	62376462	62376839	-151443	Intergenic	NM_001030174	lig3	3.548447992	5.743148887	-2.194700896	7.36E-05

peak_19296	chr1	28801743	28802226	-1305	Intergenic	NM_001001820	zic2b	4.949559986	7.144487976	-2.19492799	2.78E-05
peak_21333	chr5	23881485	23882195	-15683	Intergenic	NM_199642	zc4h2	3.97144973	6.166413108	-2.194963378	7.85E-05
peak_31166	chr7	61522082	61522357	-133542	Intergenic	NM_001130770	zgc:194930	3.046703014	5.241940736	-2.195237722	0.002733
peak_18334	chr10	24457161	24457765	-117155	Intergenic	NM_200664	cadm2a	3.895012766	6.090469211	-2.195456445	1.64E-05
peak_14904	chr13	26117442	26117871	40559	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	4.682359636	6.878018934	-2.195659298	1.69E-06
peak_18270	chr3	59830773	59831255	-100430	Intergenic	NM_212936	nptx1l	4.186438186	6.382129734	-2.195691547	1.59E-05
peak_21437	chr19	39830365	39830841	137869	Intergenic	NM_001044795	smap2	4.389328476	6.585211	-2.195882524	8.27E-05
peak_12885	chr1	11597819	11598782	6671	intron (NM_200883, intron 1 of 11)	NM_200883	gne	7.762589841	9.958514588	-2.195924747	3.12E-07
peak_33066	chr22	15522616	15523180	8152	Intergenic	NM_001082927	si:dkey-236e20.7	0.967238845	3.163298503	-2.196059658	0.004468
peak_18812	chr3	12499532	12500252	2258	intron (NM_001005963, intron 1 of 9)	NM_001005963	cyp2k16	3.634375402	5.830615637	-2.196240234	2.14E-05
peak_14389	chr7	32893315	32894307	-117875	Intergenic	NM_001199362	cilp	6.378224208	8.574473327	-2.196249119	1.15E-06
peak_42165	chr22	37712150	37712557	-29751	Intergenic	NM_001079972	lcor	3.250281917	5.446856992	-2.196575075	0.025207
peak_35605	chr20	26163395	26163895	-68018	Intergenic	NM_001082917	myct1	2.784293744	4.980892384	-2.19659864	0.007854
peak_23585	chr21	23902881	23903615	-90086	Intergenic	NM_001004630	sc5d	4.795374608	6.99200068	-2.196626072	0.000214
peak_32084	chr17	37947585	37947878	15643	Intergenic	NM_001077153	zfp36l1a	2.751830549	4.948766024	-2.196935474	0.003497
peak_14915	chr9	56799934	56802304	-22345	Intergenic	NM_001013334	gpm6bb	8.329682996	10.52675709	-2.197074094	1.69E-06
peak_32700	chr5	68494245	68496194	10515	intron (NM_153656, intron 3 of 10)	NM_153656	ptgs1	1.426730103	3.623837484	-2.197107381	0.00409
peak_21522	chr13	1175526	1176336	4084	Intergenic	NM_001110393	olig3	4.94238562	7.140233711	-2.197848091	8.62E-05
peak_19862	chr25	25147860	25148359	174522	Intergenic	NM_001013512	tmem86a	4.411253709	6.609308439	-2.198054729	3.79E-05
peak_24355	chr11	27213521	27213904	-83285	Intergenic	NM_001045240	ppcs	3.951692923	6.149766206	-2.198073283	0.000299
peak_26967	chr10	34137482	34137768	10972	Intergenic	NM_001017871	myl10	3.412226395	5.610303608	-2.198077212	0.000769
peak_16771	chr15	10714263	10714636	179884	intron (NM_130969, intron 3 of 31)	NM_130969	odz4	4.307113146	6.505545212	-2.198432066	6.21E-06
peak_16087	chr3	31936870	31937455	4295	intron (NM_131373, intron 1 of 8)	NM_131373	gfap	5.780628893	7.979075674	-2.198446781	3.97E-06
peak_23888	chr3	17745761	17746041	13834	Intergenic	NM_200789	si:ch73-141c7.1	3.329220506	5.527741372	-2.198520867	0.000246
peak_37942	chr7	45441250	45441745	8027	intron (NM_001003983, intron 1 of 12)	NM_001003983	cdh5	2.800163388	4.998981228	-2.19881784	0.012596
peak_20121	chr24	4932794	4933536	-87761	Intergenic	NM_001110021	cpb1	5.407602421	7.60643915	-2.198836729	4.41E-05
peak_12614	chr16	7452102	7453080	6188	intron (NM_131059, intron 1 of 15)	NM_131059	ctnnb1	7.59296928	9.791807917	-2.198838637	2.41E-07
peak_35318	chr5	58956060	58956478	12844	intron (NM_001079702, intron 2 of 6)	NM_001079702	pisd	3.612971808	5.81198926	-2.199017452	0.007347
peak_41556	chr7	38241508	38241884	220775	Intergenic	NR_036681		2.742004936	4.941274985	-2.19927005	0.023141
peak_18524	chr18	38262186	38262778	175536	Intergenic	NM_001080165	gldn	4.388278976	6.587711202	-2.199432226	1.81E-05
peak_27669	chr16	51496165	51496499	108493	intron (NM_001003763, intron 6 of 7)	NM_001003763	eif3ha	2.831388386	5.030871925	-2.199483539	0.00098
peak_18944	chr7	29390242	29390800	94042	Intergenic	NM_173219	lmo1	5.552697156	7.752308516	-2.19961136	2.29E-05
peak_20531	chr16	2518165	2518837	216164	Intergenic	NM_181735	foxi1	5.038068779	7.237793694	-2.199724915	5.38E-05
peak_17063	chr8	2078269	2078714	56371	Intergenic	NM_001256256	snap29	4.426670464	6.626442365	-2.199771901	7.29E-06
peak_25012	chr4	2449747	2450075	-33556	intron (NM_001045144, intron 11 of 21)	NM_001045147	e2f7	3.479047217	5.678823378	-2.199776161	0.00039
peak_21118	chr23	9836601	9837276	38651	intron (NM_001039171, intron 2 of 79)	NM_001039171	lama5	4.581988855	6.781777856	-2.199789001	7.11E-05
peak_17968	chr1	22837172	22838198	-12796	Intergenic	NM_152975	mab21l2	5.762875827	7.962667286	-2.199791459	1.34E-05
peak_20676	chr2	25283467	25284078	-242855	Intergenic	NM_001159832	fndc3ba	4.006150351	6.205977539	-2.199827187	5.81E-05
peak_16300	chr17	8571203	8572175	-33489	Intergenic	NM_131715	ctbp2a	6.329462019	8.529392886	-2.199930867	4.59E-06
peak_32586	chr23	43609114	43610335	-13366	Intergenic	NM_001004647	tgm2a	2.935977657	5.135908806	-2.199931148	0.003962
peak_14416	chr3	13856392	13857263	20029	Intergenic	NM_001197065	nfil3-2	6.475781958	8.675884612	-2.200102654	1.17E-06
peak_18945	chr23	29102256	29102740	-51126	Intergenic	NM_001002631	dffa	5.093286514	7.293637691	-2.200351178	2.30E-05
peak_34585	chr18	44844799	44844998	28056	intron (NM_001083045, intron 3 of 11)	NM_001083045	sphkap	1.967238845	4.167756579	-2.200517734	0.006305
peak_12588	chr24	23915699	23916683	363141	Intergenic	NM_001075111	hnf4g	6.013015265	8.21355029	-2.200535025	2.36E-07
peak_36970	chr12	38540501	38540798	30822	TTS (NM_001080568)	NM_001080568	hs3st3b1b	2.970047467	5.170596745	-2.200549278	0.010519
peak_31798	chr5	46621140	46621928	2355	exon (NM_001005779, exon 2 of 2)	NM_001005779	dmrt3a	3.644959288	5.8456129	-2.200653612	0.003261
peak_18094	chr7	26643093	26644006	152164	Intergenic	NM_212666	cyp26b1	5.08099759	7.28168001	-2.20068242	1.44E-05
peak_14450	chr3	35882284	35883084	-14661	Intergenic	NM_001017817	crlf3	5.576904302	7.777819091	-2.200914789	1.21E-06
peak_23837	chr8	3419423	3419869	24397	Intergenic	NM_001008604	zgc:103510	4.208081142	6.409155975	-2.201074833	0.00024
peak_39493	chr15	4245707	4246123	34866	intron (NM_131670, intron 1 of 6)	NM_131670	atp1b3b	2.702019304	4.903133451	-2.201114147	0.016622
peak_17126	chr5	126825	127475	-28172	Intergenic	NM_001034985	dcc	5.334647141	7.535765307	-2.201118166	7.63E-06
peak_24929	chr18	13632478	13632989	228138	Intergenic	NM_001089503	mlycd	5.050727242	7.25185947	-2.201132228	0.000377
peak_22361	chr9	46565264	46565849	105660	Intergenic	NM_001099232	zgc:165571	5.290323821	7.491487569	-2.201163748	0.000128
peak_21177	chr21	35189473	35189857	143696	Intergenic	NM_001007217	gpr34l	3.09910867	5.300287768	-2.201179099	7.34E-05
peak_19533	chr18	89964	90396	-24300	Intergenic	NM_001030061	trpm7	4.340116769	6.541352268	-2.201235499	3.15E-05
peak_12162	chr1	35515418	35516366	17695	intron (NM_001080012, intron 4 of 12)	NM_001080012	hhip	5.944886133	8.146137356	-2.201251223	1.58E-07
peak_21667	chr8	20646219	20646682	29622	intron (NM_001013278, intron 1 of 17)	NM_001013278	rfx2	4.006150351	6.207405645	-2.201255294	9.26E-05
peak_34390	chr15	17238802	17239297	-55323	Intergenic	NM_001039638	or131-2	6.641388555	6.842667871	-2.201279316	0.006034
peak_41944	chr23	5118155	5118469	13361	intron (NM_001111170, intron 1 of 2)	NM_001111170	kcna2b	2.614767619	4.816432147	-2.201664528	0.0245
peak_37700	chr17	52915095	52915398	135033	Intergenic	NM_001128292	prox2	3.19853316	5.400426851	-2.20189369	0.012045
peak_30263	chr5	4507018	4507420	-50281	Intergenic	NM_001077274	zgc:153129	3.030649868	5.232773858	-2.20212399	0.002175
peak_28599	chr18	14380525	14380899	42220	intron (NM_001044926, intron 3 of 13)	NM_001044926	mtss1l	3.017134431	5.219298332	-2.202163901	0.001332
peak_39344	chr17	39151777	39152033	-97008	intron (NM_212821, intron 7 of 16)	NM_001017770	slc24a4a	2.346615242	4.548787842	-2.202172599	0.016176
peak_20816	chr6	33983644	33984092	-24166	Intergenic	NM_001114437	brinp3a	3.457076769	5.65927329	-2.202196521	6.15E-05
peak_17427	chr18	38635717	38636572	-15945	Intergenic	NM_001017682	sema6dl	5.35096278	7.553238957	-2.202276177	9.27E-06
peak_18646	chr7	16810838	16811326	-11906	Intergenic	NM_001017638	elp4	4.389328476	6.591755367	-2.202426891	1.93E-05
peak_15573	chr16	2509981	2510487	207897	Intergenic	NM_181735	foxi1	5.093324086	7.296060132	-2.202736047	2.75E-06
peak_16068	chr7	69313408	69314251	-163412	Intergenic	NM_001007441	znf143a	5.744515468	7.947257425	-2.202741957	3.94E-06
peak_38677	chr13	11612902	11613237	24830	Intergenic	NM_001017827	zgc:110197	2.862128275	5.064957657	-2.202829382	0.014378
peak_17189	chr13	9829261	9830393	-3248	Intergenic	NM_131362	six3a	6.095236098	8.29815772	-2.202921623	7.94E-06
peak_22482	chr14	9174401	9175089	108	intron (NM_001003888, intron 1 of 4)	NM_001003888	polr1d	4.977783805	7.180820475	-2.203036669	0.000134
peak_13355	chr7	66819454	66820607	10170	Intergenic	NM_198825_1	fam60al	5.382462293	7.585734374	-2.203272081	4.92E-07
peak_15205	chr11	32675281	32676093	88484	intron (NM_001003624, intron 3 of 5)	NM_001003624	diaph3	5.988598546	8.19212469	-2.203526145	2.10E-06
peak_11792	chr13	30536087	30537090	84865	Intergenic	NM_201216	rps24	6.669420194	8.872963735	-2.203543541	1.08E-07
peak_17935	chr3	21316746	21317686	33130	Intergenic	NM_207088	cdipt	4.704501946	6.908096179	-2.203594233	1.32E-05
peak_38130	chr25	10204847	10205220	-422772	Intergenic	NM_001039822	ehf	2.834474036	5.038089235	-2.203615199	0.013064
peak_15879	chr21	20396822	20397544	5477	intron (NM_001014304, intron 2 of 6)	NM_001014304	pvrl3b	4.569951633	6.773617975	-2.203666342	3.47E-06
peak_17135	chr14	18707660	18708482	-33607	Intergenic	NM_001256194	slbp	5.004096482	7.207796111	-2.203699629	7.66E-06
peak_25252	chr16	45312428	45313037	-17846	Intergenic	NM_131506	tbx20	5.286948953	7.490852236	-2.203903283	0.000425
peak_26639	chr6	4128873	4129243	-260724	Intergenic	NM_200247	unc50	3.268781826	5.472689969	-2.203908144	0.000684
peak_31445	chr12	39168339	39168779	-331044	Intergenic	NM_001040355	pmp22b	2.950271315	5.154198276	-2.203926961	0.002946
peak_13866	chr17	29957716	29958866	-21845	Intergenic	NM_212954	esrrga	6.452830915	8.656952953	-2.204122037	7.48E-07
peak_29856	chr3	54422346	54422677	-62450	Intergenic	NM_200707	rdh8a	2.346615242	4.550787984	-2.204172742	0.001943
peak_14410	chr7	29942937	29943940	3962	intron (NM_001014813, intron 4 of 22)	NM_001014813	scube2	6.230524594	8.434827019	-2.204302425	1.17E-06
peak_14262	chr11	2848981	2850081	107455	Intergenic	NM_001080669	srpk1b	6.050063769	8.254473869	-2.204410099	1.03E-06
peak_41626	chr8	39456781	39457149	-13152	Intergenic	NM_001014290	sorbs3	2.636144784	4.840555781	-2.204410996	0.023381
peak_32357	chr14	47556211	47556474	-17143	intron (NM_001076572, intron 1 of 9)	NM_201045	ddx41	1.632603848	3.837042357	-2.204438509	0.003747
peak_14597	chr6	44799698	44800473	-466803	Intergenic	NM_001256292	pdzrn3b	5.000666855	7.205131486	-2.204464631	1.34E-06
peak_19146	chr7	47663913	47664360	34543	Intergenic	NM_130995	ccne1	4.575494928	6.78042	-2.204925072	2.57E-05
peak_14390	chr1	8358376	8359775	-5005	Intergenic	NM_001105118	zgc:171747	7.38142317	9.586395044	-2.204971873	1.15E-06
peak_13389	chr4	26779508	26780104	-182059	Intergenic	NM_001122744	fam19a5	6.763078262	8.968234802	-2.205156541	5.07E-07
peak_14798	chr20	40318180	40318764	33149	intron (NM_001025545, intron 2 of 4)	NM_001025545	clvs2	5.79262393	7.998070638	-2.205446708	1.57E-06
peak_22450	chr15	36436203	36436901	91020	Intergenic	NM_001004582	ctrl	4.908295128	7.113815809	-2.205520681	0.000133
peak_25443	chr11	16826766	16827024	-132485	Intergenic	NM_001110030	kbtbd8	2.533336158	4.739013396	-2.205677238	0.000456
peak_19312	chr11	33532882	33533203	2459	exon (NM_001160822, exon 1 of 4)	NM_001160822	pcdh17	3.224639552	5.430394759	-2.205755207	2.80E-05
peak_22554	chr8	43599890	43600292	-46668	Intergenic	NM_200838	golga1	3.993783045	6.199647287	-2.205864243	0.000139
peak_15942	chr18	37190745	37191767	-1056	Intergenic	NM_200573	onecut1	6.068256361	8.274148864	-2.205892504	3.61E-06
peak_20604	chr6	36303535	36304410	27313	Intergenic	NM_131079	her6	5.298167948	7.504068037	-2.205900089	5.61E-05
peak_19398	chr7	70025908	70026436	-152175	Intergenic	NM_205546	hnf4b	4.612919391	6.818859427	-2.205940035	2.93E-05
peak_16810	chr21	16394924	16395388	3057	intron (NM_001161551, intron 1 of 8)	NM_001161551	rxraa	5.0420782	7.248079451	-2.20600125	6.34E-06
peak_23634	chr21	19807976	19808414	30159	Intergenic	NM_001145766	htr1ab	3.700230269	5.906468355	-2.206238086	0.000218
peak_15221	chr24	6749775	6750314	-290967	Intergenic	NM_131774	anxa13	5.507385829	7.713767941	-2.206382111	2.14E-06
peak_28030	chr22	3713958	3714477	134690	Intergenic	NM_001013507	timm44	3.957365387	6.164279779	-2.206914392	0.001114
peak_19875	chr5	17189802	17190382	68009	Intergenic	NM_213323	pebp1	3.50251599	5.709438258	-2.206922267	3.82E-05
peak_34422	chr18	44507618	44508166	-52108	Intergenic	NM_001002686	blvrb	3.616561198	5.823758681	-2.207197484	0.006084

peak_14284	chr16	46023431	46023919	41717	Intergenic	NM_001135135	dbf4	4.708711963	6.916071286	-2.207359323	1.05E-06
peak_29721	chr10	36400766	36401185	32981	intron (NM_001128760, intron 7 of 8)	NM_001128760	gabrr3a	4.183950523	6.391375587	-2.207425064	0.00187
peak_22489	chr12	44626325	44626811	150120	intron (NM_001110011_1, intron 16 of 20)	NM_001110011_1	dock1	5.225849329	7.433335641	-2.207486312	0.000134
peak_35691	chr12	49637288	49639931	5171	Intergenic	NM_200107	ddit4	6.212814248	8.420619015	-2.207804767	0.008003
peak_37720	chr22	11272434	11272869	18348	exon (NM_205626, exon 6 of 13)	NM_205626	bcor	4.137236739	6.345059143	-2.207822404	0.012089
peak_19116	chr9	39066473	39066878	7626	intron (NM_001171585, intron 1 of 20)	NM_001171585	adcy5	4.579178661	6.78703202	-2.207853359	2.53E-05
peak_18852	chr3	40455934	40456230	68482	Intergenic	NM_181601	actb2	3.639677051	5.847829685	-2.208152634	2.19E-05
peak_14819	chr18	22404276	22404996	17713	intron (NM_001135133, intron 1 of 6)	NM_001135133	bcar1	5.84569373	8.053884103	-2.208190373	1.59E-06
peak_21161	chr5	31108973	31109389	17554	intron (NM_001114548, intron 3 of 47)	NM_001114548	cacna1ba	4.357443976	6.565874916	-2.20843094	7.26E-05
peak_22915	chr12	33930051	33930420	83723	Intergenic	NM_001197059	hlfb	3.875671743	6.084176835	-2.208505092	0.000163
peak_43523	chr17	34442202	34442601	30926	Intergenic	NM_199569	eif2s1a	0.234016866	2.442696888	-2.208680022	0.030865
peak_13068	chr20	48480090	48480585	-68376	Intergenic	NM_001025546	tfap2d	5.94918343	8.157913457	-2.208730026	3.78E-07
peak_25767	chr1	2488718	2489261	19247	intron (NM_001109719, intron 1 of 3)	NM_001109719	zgc:171629	2.342286181	4.551044092	-2.208757911	0.000508
peak_11844	chr19	34607717	34608577	31505	Intergenic	NM_001003604	fam92a1	6.53806183	8.747286481	-2.209224651	1.14E-07
peak_26500	chr10	31043077	31043589	171960	intron (NM_001003852, intron 1 of 9)	NM_001003852	ntm	4.050688545	6.260109608	-2.209421063	0.000653
peak_27151	chr18	45276183	45276549	-104057	Intergenic	NM_001282486	dner	2.559678887	4.769131184	-2.209452297	0.000818
peak_30357	chr19	1176333	1176821	-57167	Intergenic	NM_001130777	slc39a4	3.672909731	5.882639494	-2.209729763	0.002228
peak_13204	chr22	41350335	41350953	18253	intron (NM_001020665, intron 1 of 3)	NM_001020665	ptk7a	6.346090586	8.555868767	-2.209778181	4.24E-07
peak_18114	chr17	34907867	34908595	-64838	Intergenic	NM_201291	id2a	4.862084173	7.071887704	-2.209803531	1.47E-05
peak_27559	chr21	5490123	5490595	41592	Intergenic	NM_001204154	st8sia5	4.644131553	6.854057564	-2.20992601	0.000945
peak_13065	chr6	25399089	25400189	287947	Intergenic	NM_212689	lmo4b	6.563908706	8.774319191	-2.210410486	3.76E-07
peak_14776	chr14	18477128	18478163	6	promoter-TSS (NM_175576)	NM_175576	plp1a	6.65177919	8.862401252	-2.210622062	1.55E-06
peak_36914	chr16	41120245	41120699	60934	TTS (NM_001281990)	NM_001098249	si:ch211-149p10.	4.058626727	6.269331379	-2.210704652	0.010372
peak_35374	chr18	8525014	8525635	-44560	Intergenic	NM_001128343	grm3	3.473004376	5.683771485	-2.210767108	0.007452
peak_32937	chr6	16078639	16079017	129840	Intergenic	NM_152964	gbx2	3.19853316	5.409374038	-2.210840878	0.004333
peak_16395	chr9	17711850	17712700	90273	intron (NM_001012247, intron 11 of 81)	NM_001012247	mycbp2	5.218747627	7.430132306	-2.211384679	4.88E-06
peak_22950	chr2	57879651	57880416	-26369	Intergenic	NM_131094	tcf3a	6.096540606	8.307933547	-2.211392941	0.000166
peak_11274	chr7	70513737	70515834	-83690	Intergenic	NM_199682	ap1g1	7.607153757	9.818723301	-2.211569544	6.45E-08
peak_24365	chr14	30669603	30670028	-177	promoter-TSS (NM_001042718)	NM_001042718	pdlim3b	3.684926177	5.896554142	-2.211627966	0.000301
peak_11816	chr12	40161925	40162626	55915	intron (NM_001002490, intron 2 of 7)	NM_001002490	ttyh2	6.368129927	8.579796107	-2.211666179	1.11E-07
peak_14882	chr22	35893311	35893966	-121706	Intergenic	NM_173274	dag1	5.806855482	8.018617535	-2.211762053	1.66E-06
peak_13731	chr4	1272677	1274087	6886	intron (NM_001003981, intron 1 of 4)	NM_001003981	ptn	6.850274162	9.062258247	-2.211984085	6.70E-07
peak_19180	chr18	19640922	19641312	-22525	intron (NM_001045129, intron 16 of 20)	NM_001082953	zgc:162898	3.804890439	6.017009631	-2.212119192	2.61E-05
peak_21300	chr7	16577021	16577379	-59540	Intergenic	NM_131641	pax6b	3.997917271	6.210192571	-2.2122753	7.74E-05
peak_37460	chr16	26752570	26752955	4570	intron (NM_001007428, intron 1 of 7)	NM_001007428	cadm4	4.312720233	6.525109042	-2.212388808	0.011581
peak_36425	chr18	32247154	32247414	-39303	Intergenic	NM_001128247	LOC562852	2.834474036	5.046874503	-2.212400467	0.009396
peak_33495	chr6	52362817	52363188	-63554	Intergenic	NM_200944	eif6	2.31603542	4.528489802	-2.212454382	0.004913
peak_20575	chr1	10679942	10680616	190342	Intergenic	NM_001040305	brat1	3.992402332	6.204918824	-2.212516492	5.53E-05
peak_24333	chr13	33312961	33313222	-28039	Intergenic	NM_001145765	si:ch211-10a23.2	2.455033797	4.667728011	-2.212654614	0.000296
peak_15780	chr7	17672683	17673158	130326	Intergenic	NM_131158	dbx1a	4.890572412	7.103514667	-2.212942256	3.24E-06
peak_24973	chr5	17986199	17986725	13231	intron (NM_001114917, intron 1 of 8)	NM_001114917	kremen1	4.328062482	6.541041831	-2.21297935	0.000384
peak_15087	chr17	2505520	2506371	-6355	Intergenic	NM_001161399	kcnk10b	6.49128965	8.704461964	-2.213172314	1.93E-06
peak_21542	chr6	14855861	14856199	6005	Intergenic	NM_131102	pou3f3b	3.033337828	5.246603844	-2.213266017	8.72E-05
peak_17151	chr9	35905019	35905585	3231	exon (NM_001037389, exon 6 of 18)	NM_001037389	cdc16	5.187610024	7.40097134	-2.213361316	7.75E-06
peak_43543	chr2	58171774	58172047	-31148	Intergenic	NM_001100156	fcer1gl	2.664163689	4.877577455	-2.213413766	0.030983
peak_11652	chr18	48176975	48177675	77474	Intergenic	NM_001007334	yif1b	6.354728731	8.56828848	-2.213559749	9.48E-08
peak_15841	chr11	29247427	29248136	152800	Intergenic	NM_001033094_1	ephb2b	6.085556163	8.299314598	-2.213758435	3.37E-06
peak_26238	chr1	19081611	19082153	-270051	Intergenic	NM_207071	mettl14	4.463070247	6.677049012	-2.213978764	0.000597
peak_17664	chr18	5177259	5177819	60065	Intergenic	NM_001013457	gcsha	4.790616223	7.004605628	-2.213989405	1.10E-05
peak_18490	chr14	958808	959584	10046	intron (NM_001003569, intron 1 of 20)	NM_001003569	acsl1b	5.023192609	7.237317217	-2.214124609	1.77E-05
peak_19635	chr7	51749906	51750415	-5153	Intergenic	NR_030074		4.122091483	6.336216665	-2.214125183	3.36E-05
peak_23169	chr17	14089534	14089913	236884	Intergenic	NM_200482	jkamp	3.355234589	5.569482598	-2.214248009	0.000181
peak_25551	chr19	21375974	21376378	92371	Intergenic	NM_214704	cndp2	3.776199364	5.99049725	-2.214297887	0.000472
peak_12576	chr21	19432416	19433190	-110112	Intergenic	NM_213226	zgc:85869	6.003431202	8.217753683	-2.214322481	2.34E-07
peak_15482	chr12	36094421	36095403	-122871	Intergenic	NM_001278598	si:ch73-127m5.2	5.668568554	7.883012662	-2.214444107	2.57E-06
peak_17248	chr7	75402522	75402954	-60190	Intergenic	NM_001002436	psmd9	4.342286181	6.556814547	-2.214528366	8.27E-06
peak_12743	chr11	24683205	24683893	-49443	Intergenic	NM_001145767	nfasca	6.204473265	8.41920136	-2.214728095	2.76E-07
peak_31597	chr12	48788473	48788739	-28205	Intergenic	NM_001017704	grem2	2.614767619	4.830113794	-2.215346175	0.00308
peak_17372	chr21	8502635	8503253	197554	Intergenic	NM_001076741	esm1	5.640117977	7.855557448	-2.215439472	8.95E-06
peak_24118	chr13	3582336	3582797	8573	exon (NM_201129, exon 2 of 10)	NM_201129	ncoa4	3.625495796	5.841006633	-2.215510838	0.000271
peak_16407	chr12	8159949	8160540	44010	intron (NM_001005602, intron 2 of 5)	NM_001005602	phyhiplb	4.422575411	6.638093422	-2.215518011	4.94E-06
peak_27403	chr13	26493319	26493981	416553	Intergenic	NM_001040391	bcl11aa	4.37985538	6.595415743	-2.215560363	0.000893
peak_23223	chr6	6544897	6545831	-33930	Intergenic	NM_001014319	zgc:113227	5.546069726	7.761672323	-2.215602598	0.000185
peak_11164	chr5	16317820	16318980	-30256	Intergenic	NM_001128246	sc:d411	7.338207928	9.553826969	-2.215619041	5.86E-08
peak_20549	chr19	6802591	6803420	12430	intron (NM_001044927, intron 1 of 4)	NM_001044927	erf	4.872629271	7.088494093	-2.215864822	5.45E-05
peak_14086	chr18	37027668	37028564	-164196	Intergenic	NM_200573	onecut1	6.634570876	8.850673938	-2.216103062	9.04E-07
peak_27449	chr3	28270784	28271637	-44396	Intergenic	NM_001005596	rbfox1	4.432791331	6.649003716	-2.216212384	0.000909
peak_14741	chr15	6092478	6093676	-255633	Intergenic	NM_001005991	zgc:103530	5.883141315	8.09951104	-2.216369725	1.50E-06
peak_28653	chr17	24061273	24062203	-85187	Intergenic	NM_131250	otx1b	4.795420797	7.0118324	-2.216411603	0.00135
peak_35613	chr9	33825272	33825795	12728	Intergenic	NM_001017662	zgc:112056	3.743742941	5.960224717	-2.216481775	0.00787
peak_16214	chr14	21515925	21516454	358338	Intergenic	NM_152963	fmr1	4.528525488	6.745060539	-2.216535051	4.32E-06
peak_23308	chr4	3615967	3616699	-236388	Intergenic	NM_001144049	gpr37b	4.179174711	6.395719146	-2.216544435	0.000191
peak_40206	chr6	38370002	38370282	-334128	Intergenic	NM_001007318	ube3a	2.359525028	4.576198932	-2.216673904	0.018623
peak_32209	chr18	22663067	22663403	89123	intron (NM_200787, intron 3 of 7)	NM_200787	gnao1a	3.124540972	5.341453957	-2.216912986	0.003598
peak_18473	chr11	42465265	42465658	34229	intron (NM_131332_1, intron 3 of 3)	NM_131324_1	pax7a	4.026608515	6.243552674	-2.216944159	1.76E-05
peak_14062	chr19	33056913	33057545	-9556	Intergenic	NM_212561	hey1	6.558073708	8.775125859	-2.217052152	8.92E-07
peak_19034	chr7	48535849	48536313	-145256	Intergenic	NM_001195407	tshz3b	4.057383766	6.274616987	-2.217233221	2.43E-05
peak_23443	chr16	34132823	34133099	8248	intron (NM_214775, intron 2 of 11)	NM_214775	rbfox1l	2.548447992	4.765740841	-2.217292849	0.000201
peak_15166	chr8	18222032	18222856	68711	intron (NM_001030091, intron 4 of 17)	NM_001030091	prkcz	5.145920112	7.36348344	-2.217563328	2.04E-06
peak_19316	chr16	51704776	51705644	58704	intron (NM_199595, intron 9 of 13)	NM_199595	rad21a	3.733765494	5.951419268	-2.217653774	2.80E-05
peak_11882	chr21	8762985	8763819	28782	intron (NM_001089543, intron 1 of 45)	NM_001089543	ptpn13	7.491914729	9.709670007	-2.217755278	1.19E-07
peak_28677	chr18	45079758	45080314	13452	intron (NM_001013504, intron 1 of 2)	NM_001013504	pid1	3.159552967	5.377418688	-2.217865721	0.00136
peak_15092	chr7	56014329	56015088	55220	intron (NM_001077575, intron 11 of 12)	NM_001077575	trip4	5.964093143	8.181965066	-2.217871923	1.94E-06
peak_16892	chr23	33151216	33151922	-352375	Intergenic	NR_029935		4.64320069	6.861152618	-2.217951928	6.64E-06
peak_28203	chr7	38408508	38408821	-360773	Intergenic	NM_001146014	sall1a	3.662529654	5.880650239	-2.218120585	0.001176
peak_18709	chr11	28894891	28895272	32211	intron (NM_001077792, intron 1 of 18)	NM_001077792	ece1	3.930136166	6.148531579	-2.218395414	2.01E-05
peak_15804	chr21	38469264	38470090	5140	intron (NM_194384, intron 1 of 9)	NM_194384	aldocb	5.201488841	7.419968997	-2.218480156	3.28E-06
peak_23352	chr18	38029054	38029354	-8314	Intergenic	NM_200351	tnfaip8l3	3.322643025	5.541127804	-2.218484779	0.000194
peak_24839	chr8	15470436	15470911	-5944	Intergenic	NM_001122705	abl2	4.824421451	7.043025267	-2.218603817	0.000364
peak_23057	chr18	48013614	48014307	-85891	Intergenic	NM_001007334	yif1b	4.379793771	6.598434392	-2.21864062	0.000173
peak_12853	chr6	6473807	6474690	66420	Intergenic	NM_001100951	bcl11ab	5.696868089	7.915681651	-2.218813562	3.02E-07
peak_37082	chr8	30154106	30154322	-287836	intron (NM_001004123, intron 4 of 15)	NM_131091	atoh1a	2.247969535	4.466861887	-2.218892352	0.010737
peak_26436	chr11	27255657	27256342	-40998	Intergenic	NM_001045240	ppcs	4.956616242	7.175625304	-2.219009062	0.000637
peak_42783	chr6	41279013	41279270	-98296	Intergenic	NM_001004649	rsg1	1.787481669	4.006615496	-2.219133827	0.027639
peak_12607	chr17	30388068	30389039	-120788	Intergenic	NM_001044353	lpin1	6.108079657	8.327358547	-2.21927889	2.41E-07
peak_42734	chr23	3383600	3384519	39496	Intergenic	NM_131015	mafba	0.234016866	2.453313571	-2.219296705	0.02741
peak_36556	chr18	24309408	24309784	-36295	Intergenic	NM_200850	lysmd4	3.986785331	6.206189906	-2.219404574	0.009665
peak_15022	chr20	10264864	10266046	40359	Intergenic	NM_130910	meis2b	6.393765098	8.61337125	-2.219606152	1.84E-06
peak_12461	chr16	45116860	45117432	-39700	Intergenic	NM_001039979	ppox	6.651560519	8.871192055	-2.219631536	2.12E-07
peak_25981	chr16	7146678	7146960	-169593	Intergenic	NM_001003516	zgc:100908	3.529533336	5.74918743	-2.219654094	0.000547
peak_28905	chr22	17152572	17152858	66732	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	2.521897487	4.741795048	-2.21989756	0.001471
peak_12711	chr8	2997082	2998215	5761	intron (NM_001045162, intron 1 of 14)	NM_001045162	crb2b	6.214591644	8.434584983	-2.219993339	2.67E-07
peak_41066	chr23	46276935	46277323	-71528	Intergenic	NM_130919	vdra	1.205700064	3.425749187	-2.220049123	0.021578
peak_37742	chr15	38149557	38150247	63751	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	3.420583411	5.640675119	-2.220091708	0.012139
peak_36995	chr9	27925586	27925964	-437423	Intergenic	NM_001126402	si:rp71-84d19.3	2.31603542	4.536429601	-2.220394181	0.010562

peak_17549	chr17	18102030	18102747	154264	Intergenic	NM_001099260	bcl11ba	5.517048459	7.737444151	-2.220395691	1.01E-05
peak_15562	chr11	7660181	7661494	-104465	Intergenic	NM_213367	eltd1	5.687086373	7.907482924	-2.22039655	2.73E-06
peak_39709	chr8	9853850	9854160	261205	intron (NM_001098489, intron 10 of 31)	NM_001098489	plxna3	2.834474036	5.055054056	-2.22058002	0.017161
peak_23528	chr7	42912433	42912935	-657967	Intergenic	NM_199843	shcbp1	3.982700169	6.203345007	-2.220644838	0.000209
peak_12287	chr1	22809468	22810198	-40648	Intergenic	NM_152975	mab21l2	6.052053274	8.273021763	-2.220968489	1.77E-07
peak_19634	chr9	26900193	26900638	26350	intron (NM_001017560, intron 2 of 10)	NM_001017560	gtdc1	4.318177022	6.539147971	-2.220970949	3.36E-05
peak_23878	chr21	33669767	33670092	17316	intron (NM_203461, intron 1 of 14)	NM_203461	chm	3.229335828	5.4503995	-2.221063672	0.000245
peak_20452	chr12	18984223	18984748	-60084	Intergenic	NM_001171584	nptx2b	4.250349312	6.471503463	-2.221154151	5.18E-05
peak_13768	chr21	22792235	22792866	-207061	intron (NM_131202, intron 1 of 18)	NM_199635	zbtb16a	4.639677051	6.860933552	-2.221256501	6.91E-07
peak_32832	chr25	3146067	3146357	12929	exon (NM_001089539, exon 7 of 23)	NM_001089539	hps5	1.426730103	3.648017467	-2.221287364	0.004203
peak_27982	chr19	28622905	28623253	-6759	Intergenic	NM_131823	irx1b	3.428773195	5.650067277	-2.221294083	0.001099
peak_17504	chr22	40213582	40213985	121901	Intergenic	NM_213118	sox2	4.320379652	6.541691975	-2.221312323	9.81E-06
peak_24888	chr12	45772718	45773100	-104392	Intergenic	NM_001202472	LOC100006246	3.611068793	5.832400453	-2.22133166	0.000372
peak_32808	chr16	41708146	41708577	89791	Intergenic	NM_001159994	gdf6a	3.787481669	6.008928222	-2.221446553	0.004183
peak_43770	chr22	18159387	18159693	107186	Intergenic	NM_001044907	hapln4	2.831388386	5.052867632	-2.221479246	0.032085
peak_30948	chr7	54585029	54586059	8232	TTS (NM_131025)	NM_131025	ccnd1	4.805630915	7.027153325	-2.22152241	0.002587
peak_20413	chr23	28591243	28591658	-1548	Intergenic	NM_170762	neurod4	3.598418383	5.820770368	-2.222351985	5.12E-05
peak_21342	chr5	45951406	45951935	-13654	Intergenic	NM_001005932	tars	4.218747627	6.441145704	-2.222398077	7.89E-05
peak_19595	chr8	55366859	55367237	-3877	intron (NM_001123294, intron 14 of 14)	NM_001017590	mrps25	3.449046535	5.671455125	-2.22240859	3.27E-05
peak_20675	chr7	31217428	31217840	17578	intron (NM_201193, intron 1 of 57)	NM_201193	tln2a	4.407054143	6.629603352	-2.222549209	5.81E-05
peak_12706	chr6	43804365	43804982	9323	intron (NM_001039637, intron 1 of 19)	NM_001039637	foxp1b	5.95060611	8.173186722	-2.222580612	2.66E-07
peak_19438	chr1	25737864	25738339	10481	intron (NM_201116, intron 1 of 8)	NM_201116	sh3gl2	3.540911861	5.763774717	-2.222862855	2.98E-05
peak_25465	chr13	28925158	28925961	11564	Intergenic	NM_200566	polr1c	4.25726398	6.480194776	-2.222930795	0.000459
peak_23228	chr6	15946200	15946519	-2629	Intergenic	NM_152964	gbx2	3.408090078	5.631107593	-2.223017515	0.000185
peak_27419	chr14	17146425	17147060	330120	Intergenic	NM_001044746	cnga5	4.358453614	6.581522418	-2.223068804	0.000899
peak_19565	chr8	34672703	34673299	233305	Intergenic	NM_001098243	pbx3b	4.423600265	6.646685603	-2.223085339	3.21E-05
peak_16021	chr23	19050173	19050709	-74158	Intergenic	NM_001007446	nsfl1c	4.723815645	6.94692714	-2.223111494	3.83E-06
peak_15440	chr18	38735260	38735849	-20241	Intergenic	NM_001177495	ugt5c1	5.081646992	7.304879206	-2.223232214	2.50E-06
peak_12893	chr17	16561155	16561925	-34986	Intergenic	NM_001033743	ston2	7.536523193	9.759852534	-2.223329341	3.14E-07
peak_21742	chr11	44804296	44804576	-96041	Intergenic	NM_001015069_1	gli2b	3.722150645	5.945557159	-2.223406514	9.62E-05
peak_20038	chr23	28930266	28930859	4908	exon (NM_001080663, exon 5 of 7)	NM_001080663	ribc1	4.715471362	6.938884652	-2.22341329	4.22E-05
peak_37938	chr4	5944103	5944548	84098	intron (NM_001030082, intron 3 of 20)	NM_001030082	foxp2	3.47113868	5.694783595	-2.223644915	0.012594
peak_40749	chr5	6623972	6624477	-52685	Intergenic	NM_201588_1	pxna	2.33794409	4.561600511	-2.223656421	0.020385
peak_22850	chr1	25249836	25250439	30725	Intergenic	NM_205662	ppa2	4.531380536	6.755108622	-2.223728086	0.000158
peak_35710	chr22	31665259	31665547	2131	exon (NM_213097, exon 3 of 17)	NM_213097	pla2g6	2.42263522	4.646941574	-2.224306355	0.008044
peak_13321	chr19	35420839	35421371	5599	intron (NM_213091, intron 1 of 21)	NM_213091	elmo1	5.32699939	7.551310974	-2.224311584	4.73E-07
peak_18132	chr16	39196808	39197955	-7344	Intergenic	NM_001200061	LOC100005807	4.808817851	7.033164084	-2.224346232	1.47E-05
peak_16744	chr8	6550705	6551317	-595578	Intergenic	NM_001130781	vsig8b	5.095254858	7.319644311	-2.224389452	6.10E-06
peak_14161	chr6	49624879	49625370	-68803	Intergenic	NM_001017688	npepl1	5.250349312	7.474806949	-2.224457636	9.55E-07
peak_16371	chr23	33271048	33271777	-232532	Intergenic	NR_029935		4.416410954	6.640876803	-2.224465849	4.81E-06
peak_27434	chr7	48012532	48013988	377565	Intergenic	NM_001195407	tshz3b	5.866258075	8.090726513	-2.224468438	0.000903
peak_23150	chr21	35291142	35291710	41935	Intergenic	NM_001007217	gpr34l	3.733765494	5.958419766	-2.224654271	0.00018
peak_33954	chr1	43466714	43467171	600130	Intergenic	NM_001002577	suclg1	4.416410954	6.641065637	-2.224654683	0.005474
peak_12552	chr10	26964715	26965452	-105104	Intergenic	NM_001017649	arfip2b	6.76025342	8.985078241	-2.224824821	2.29E-07
peak_30591	chr2	36784123	36784391	-3458	Intergenic	NM_001126421	diras1b	2.521897487	4.7468701	-2.224972613	0.00236
peak_22809	chr3	40847420	40847866	10877	intron (NM_001174058, intron 1 of 6)	NM_001174058	mmd2a	3.945998068	6.171248641	-2.225250573	0.000154
peak_43615	chr23	22571260	22571648	9938	intron (NM_001123053, intron 1 of 24)	NM_001123053	rap1gap	2.938847741	5.164165902	-2.225318162	0.031287
peak_34622	chr14	336586	336908	17023	Intergenic	NM_001017768	cops6	2.892054049	5.117430123	-2.225376074	0.006341
peak_12709	chr24	456907	459355	8082	intron (NM_001115059, intron 1 of 8)	NM_001115059	tgfbr1b	8.381803316	10.6072704	-2.225467086	2.67E-07
peak_13571	chr2	47027431	47028146	494835	Intergenic	NM_001145932	acsl3b	4.889089251	7.114634663	-2.225545412	5.89E-07
peak_36495	chr5	26792744	26793103	39578	Intergenic	NM_001130597	zgc:193538	3.19853316	5.424307252	-2.225774091	0.009533
peak_31398	chr6	34449235	34449599	-64786	Intergenic	NM_199274	rgs4	3.370319669	5.596096815	-2.225777145	0.002912
peak_20566	chr11	36662073	36662465	-58223	Intergenic	NM_212679	bhlhe40	3.231678245	5.457550332	-2.225872086	5.51E-05
peak_30267	chr2	6533300	6533736	-57158	Intergenic	NM_001017821	rgs5b	3.935893853	6.162277802	-2.226383948	0.002177
peak_15947	chr20	40022366	40023383	-208129	Intergenic	NM_001082853	rnf217	5.619642432	7.846167279	-2.226524846	3.62E-06
peak_15474	chr7	31652333	31652935	-35195	Intergenic	NM_001160335	serf2	5.013695992	7.240436226	-2.226740233	2.56E-06
peak_11149	chr19	13212207	13212990	57936	Intergenic	NM_001044994	si:ch211-105d11.	7.616403411	9.843158324	-2.226754914	5.77E-08
peak_25356	chr4	12286131	12286581	33868	intron (NM_001044851, intron 1 of 23)	NM_001044851	grip1	2.738714804	4.965526577	-2.226811774	0.000441
peak_29974	chr24	35250460	35251054	48277	intron (NM_214789, intron 1 of 8)	NM_214789	asic1c	4.500631436	6.727514512	-2.226883076	0.002013
peak_21060	chr18	30851656	30851980	29328	intron (NM_001045099, intron 1 of 7)	NM_001045099	mthfsd	3.679788522	5.906862733	-2.227074211	6.90E-05
peak_37556	chr21	22598955	22599317	-13647	Intergenic	NM_199635	zbtb16a	2.702019304	4.92927368	-2.227254376	0.011763
peak_10581	chr20	40357421	40358788	-6483	Intergenic	NM_001025545	clvs2	8.267103889	10.49442399	-2.227320102	3.00E-08
peak_20852	chr5	34003298	34003729	-2526	Intergenic	NM_001077801	gas1b	3.922906591	6.150602891	-2.2276963	6.25E-05
peak_32518	chr20	39591777	39592069	16102	intron (NM_001013532, intron 5 of 9)	NM_001013532	pex7	2.751830549	4.97966242	-2.227831871	0.003909
peak_19290	chr23	34529290	34529604	170475	Intergenic	NM_001005584	chchd6a	3.159552967	5.387894544	-2.228341577	2.77E-05
peak_21196	chr17	52743072	52743416	-122799	Intergenic	NM_194386	tgfb3	3.397697102	5.626072634	-2.228375532	7.40E-05
peak_26883	chr12	45395685	45396489	-147137	Intergenic	NM_001110011	dock1	4.602044119	6.830809651	-2.228765532	0.000748
peak_15969	chr4	12981325	12982061	4029	intron (NM_001045268, intron 2 of 3)	NM_001045268	yaf2	4.771377205	7.000156855	-2.22877965	3.69E-06
peak_14656	chr3	9682468	9683050	-132023	Intergenic	NM_001113625_1	trap1	5.743695067	7.972963704	-2.229268637	1.41E-06
peak_22620	chr17	14683860	14685079	-43598	Intergenic	NM_200635	ptger2a	4.506390602	6.736068956	-2.229678354	0.000142
peak_24873	chr9	27500207	27500560	363224	Intergenic	NM_131023	efnb2a	3.222285668	5.452285999	-2.23000033	0.000371
peak_18377	chr16	21481730	21482238	-11936	Intergenic	NM_205550	sp8b	4.690897074	6.921033351	-2.230136277	1.68E-05
peak_17767	chr5	46603005	46603970	-15692	intron (NM_205628, intron 4 of 4)	NM_001005779	dmrt3a	4.827567192	7.057710549	-2.230143356	1.18E-05
peak_25536	chr16	12175758	12176082	-18707	Intergenic	NM_001195242	g6fl	2.806462687	5.036628707	-2.23016602	0.000469
peak_16544	chr6	49288437	49289225	-132441	Intergenic	NM_199210	ngf	4.917824246	7.148252879	-2.230428633	5.40E-06
peak_13481	chr3	34434879	34435317	115745	Intergenic	NM_213197	znf207a	5.531408268	7.761912032	-2.230503764	5.46E-07
peak_40572	chr25	24569426	24569711	68719	Intergenic	NM_001002052	mrpl23	2.471023015	4.701587265	-2.23056425	0.019889
peak_36679	chr8	35669860	35670941	89297	Intergenic	NM_200894_15	zgc:77614	0.625495796	2.856102539	-2.230606743	0.009876
peak_20276	chr11	4521646	4521983	-283932	Intergenic	NM_001020570	zgc:110191	3.494735408	5.725397743	-2.230662335	4.76E-05
peak_15668	chr1	4186998	4187673	14086	Intergenic	NM_001003842	spry2	5.908316484	8.139142306	-2.230825822	2.98E-06
peak_25681	chr20	22011524	22011866	-29492	Intergenic	NM_001030136	daam1b	3.385125888	5.616272058	-2.23114617	0.000493
peak_20315	chr18	46895555	46895815	-8384	Intergenic	NM_001017558_1	ets1	3.389328476	5.620587648	-2.231259172	4.86E-05
peak_16791	chr23	2488555	2489342	38052	Intergenic	NM_130989	snai1b	5.465589227	7.696874207	-2.231284981	6.29E-06
peak_24598	chr8	50382153	50382580	325601	Intergenic	NM_001128254	mfn2	3.979834805	6.211235036	-2.23140023	0.000329
peak_30359	chr2	55435929	55436519	-20657	intron (NM_131797, intron 3 of 6)	NM_001083017_1	rnf126	3.523810242	5.755224493	-2.231414251	0.002229
peak_16398	chr5	17828669	17829737	91297	Intergenic	NM_001004541	zgc:92445	6.740372804	8.97200479	-2.231631986	4.89E-06
peak_14378	chr9	43768419	43769027	724	intron (NM_001145782, intron 1 of 53)	NM_001145782	col5a2a	4.804103672	7.035998033	-2.231894361	1.14E-06
peak_12717	chr16	26337699	26338264	36828	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	5.865859134	8.097811905	-2.231952771	2.69E-07
peak_15037	chr23	2346271	2346938	-88726	Intergenic	NM_131230	tcp1	5.762899448	7.99485402	-2.231954572	1.86E-06
peak_17528	chr2	40937441	40937809	17967	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	4.100390989	6.332444647	-2.232053658	9.97E-06
peak_13991	chr18	21951186	21951811	-56977	Intergenic	NM_001045108	fam65a	5.441983226	7.674107913	-2.232124687	8.34E-07
peak_34165	chr25	5558751	5559180	-34453	Intergenic	NM_001258409	cmasb	3.943142188	6.175367826	-2.232225638	0.005717
peak_14757	chr2	14897673	14899039	-22990	Intergenic	NM_001017728	f3b	5.481973078	7.714247095	-2.232274017	1.52E-06
peak_13848	chr15	4356588	4357313	30142	intron (NM_198208, intron 1 of 13)	NM_198208	tfdp2	6.140632224	8.373165598	-2.232533373	7.38E-07
peak_20375	chr17	52640716	52641915	-20870	Intergenic	NM_194386	tgfb3	3.895012766	6.127577013	-2.232564247	5.03E-05
peak_43211	chr20	32777996	32778378	-17457	Intergenic	NM_200618	fam84a	3.054663095	5.287304218	-2.232641123	0.029581
peak_42414	chr12	35061011	35061283	16104	intron (NM_001014355, intron 13 of 14)	NM_001014355	tdrkh	0.978440673	3.211173562	-2.232732889	0.026097
peak_18797	chr7	47941668	47942244	312363	Intergenic	NM_130995	ccne1	4.280142431	6.513120414	-2.232977983	2.11E-05
peak_19872	chr3	35345291	35346073	-145761	Intergenic	NM_001003873	rbbp6	5.509346067	7.74235588	-2.233009812	3.81E-05
peak_21976	chr19	44369486	44369920	-39906	exon (NM_207072, exon 19 of 35)	NM_001114574	ubp1	3.401863281	5.634886027	-2.233022746	0.000108
peak_11767	chr13	53021765	53023280	34424	Intergenic	NM_001135784	nkx6.2	7.480865805	9.713912247	-2.233046442	1.05E-07
peak_24264	chr22	25083580	25084081	-89450	Intergenic	NM_001099256	si:dkey-121a9.3	3.755185932	5.988265744	-2.233079812	0.000289
peak_20892	chr14	10426692	10427164	32227	intron (NM_001142584, intron 1 of 9)	NM_001142584	il1rapl2	3.451058288	5.684197562	-2.233139274	6.39E-05
peak_30864	chr16	2714173	2714379	411939	Intergenic	NM_181735	foxi1	3.137236739	5.370458287	-2.233221548	0.002535
peak_11276	chr2	15065679	15066755	79080	Intergenic	NM_001006023	tecrl2	6.919993995	9.153245069	-2.233251074	6.47E-08

peak_34291	chr18	19524170	19524549	-29364	Intergenic	NM_175083	smad3b	3.612971808	5.846225624	-2.233253816	0.005889
peak_12501	chr14	50898393	50899074	-80319	Intergenic	NM_001002065_1	ppid	6.436633343	8.66994381	-2.233310467	2.19E-07
peak_13794	chr13	37505931	37507479	68618	Intergenic	NM_174862	esr2b	7.165222751	9.398671845	-2.233449094	7.04E-07
peak_18889	chr15	3184268	3185010	-129953	Intergenic	NM_001045369	zgc:153184	4.492783688	6.72623865	-2.233454962	2.23E-05
peak_18372	chr20	8080396	8080945	318603	Intergenic	NM_001244756	bloc1s2	5.370288661	7.604103659	-2.233814998	1.67E-05
peak_14188	chr18	30385727	30386952	321	intron (NM_001080807, intron 1 of 14)	NM_001080807	gse1	7.055032397	9.288899859	-2.233867463	9.78E-07
peak_33017	chr14	41383357	41383705	311103	Intergenic	NM_001127519	pcdh19	3.432850718	5.666860282	-2.234009564	0.004419
peak_22214	chr22	11131826	11132357	31207	intron (NM_001123229, intron 1 of 20)	NM_001123229	insrb	6.084260584	8.318356208	-2.234095624	0.00012
peak_17937	chr17	31132745	31133170	-14875	Intergenic	NM_001193598	eml1	4.202051377	6.436168126	-2.23411675	1.32E-05
peak_28136	chr17	38513155	38513632	49993	Intergenic	NM_001256179	mbip	4.234085025	6.468274075	-2.23418905	0.001155
peak_40251	chr4	54856289	54856783	-757416	Intergenic	NM_001111199	zgc:173710	0.625495796	2.85969482	-2.234199024	0.018772
peak_37160	chr11	20478931	20479217	1557	intron (NM_131636, intron 3 of 3)	NM_131636	fezf2	2.559678887	4.793924505	-2.234245618	0.010931
peak_12821	chr20	21592259	21593146	-74702	Intergenic	NM_180966	esr2a	6.172430897	8.406853752	-2.234422855	2.96E-07
peak_41835	chr18	37066243	37066685	-125848	Intergenic	NM_200573	onecut1	0.215200887	2.449664583	-2.234463696	0.024072
peak_10785	chr3	54208688	54210013	-11920	Intergenic	NM_131549	notch3	8.177322098	10.41178756	-2.234465462	3.79E-08
peak_26276	chr9	2116989	2117368	105397	Intergenic	NM_199480	lnpa	3.801740793	6.036336359	-2.234595566	0.000605
peak_42101	chr1	12896932	12897290	-8079	Intergenic	NM_001005769	zgc:101819	2.363802745	4.598432035	-2.234629289	0.025001
peak_22040	chr9	8096176	8096720	330780	Intergenic	NM_001009886	mnx2a	4.977045192	7.212063094	-2.235017902	0.000111
peak_20078	chr15	46175753	46176298	-2743	Intergenic	NM_130973	chd	5.650685502	7.885711419	-2.235025917	4.31E-05
peak_19851	chr14	22836472	22836894	13329	intron (NM_131714, intron 3 of 10)	NM_131714	ctbp1	4.561596548	6.796827081	-2.235230533	3.77E-05
peak_20371	chr17	17991833	17992815	44200	Intergenic	NM_001099260	bcl11ba	4.603906322	6.839223952	-2.23531763	5.02E-05
peak_15658	chr18	3419285	3419838	833984	Intergenic	NM_001045470	fam168a	5.221107285	7.456600024	-2.235492739	2.94E-06
peak_15133	chr5	23141280	23142559	70364	Intergenic	NM_001114691	sh2d1aa	6.169056044	8.404619602	-2.235563558	1.99E-06
peak_16585	chr7	22157711	22158263	23086	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	4.275608918	6.511241544	-2.235632626	5.55E-06
peak_16861	chr20	17307846	17308349	-361036	Intergenic	NM_001002589	zgc:92716	4.546567647	6.782473247	-2.2359056	6.51E-06
peak_14927	chr21	36548573	36549213	-29066	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	5.950585371	8.186673771	-2.236088401	1.71E-06
peak_15374	chr13	19539136	19539687	171819	Intergenic	NM_131280	emx2	5.097825209	7.333915479	-2.23609027	2.37E-06
peak_22457	chr11	20099556	20099915	76135	Intergenic	NM_001003429	thoc7	3.763304282	5.999456474	-2.236152192	0.000133
peak_10901	chr6	30115830	30118447	58615	Intergenic	NM_001045383	zgc:153311	8.647396256	10.88378109	-2.236384832	4.43E-08
peak_32763	chr5	57630683	57631120	-47127	Intergenic	NM_131207	lhx1b	3.451058288	5.687479955	-2.236421667	0.004137
peak_23826	chr13	50027789	50028522	95010	Intergenic	NM_001142263	disc1	4.152152513	6.388575889	-2.236423376	0.000239
peak_18645	chr4	7927594	7927993	151665	Intergenic	NM_001260500	scube1	3.393518857	5.630058305	-2.236539448	1.93E-05
peak_14632	chr18	48218813	48219777	119444	Intergenic	NM_001007334	yif1b	6.649822728	8.886434477	-2.236611749	1.38E-06
peak_25660	chr9	38198309	38198764	4391	intron (NM_130967, intron 1 of 13)	NM_130967	gli2a	4.464066744	6.700703526	-2.236636782	0.000488
peak_20734	chr21	37667459	37667932	10333	intron (NM_200427, intron 1 of 1)	NM_200427	siah2l	4.878620615	7.115309352	-2.236688737	5.94E-05
peak_13653	chr16	53549034	53549715	22223	intron (NM_001003494, intron 3 of 5)	NM_001003494	ube2e2	6.919085913	9.155807493	-2.23672158	6.33E-07
peak_20405	chr12	28229170	28229432	36218	intron (NM_200874, intron 2 of 16)	NM_200874	arhgap12b	3.222285668	5.459026872	-2.236741204	5.09E-05
peak_25059	chr13	45006826	45007160	351155	Intergenic	NM_001030175	zfand3	2.548447992	4.78532697	-2.236878978	0.000396
peak_40701	chr15	10962650	10963004	428262	intron (NM_130969, intron 26 of 31)	NM_130969	odz4	2.646715745	4.88360904	-2.236893295	0.02022
peak_19776	chr12	33358601	33359024	-41553	Intergenic	NM_001110373	habp2	3.333588892	5.570550174	-2.236961283	3.60E-05
peak_25436	chr12	40812587	40813110	461447	Intergenic	NM_001099246	abca5	3.157090365	5.394329409	-2.237239044	0.000454
peak_10855	chr6	23656964	23658946	-19990	Intergenic	NM_001089394	thumpd3	7.703968677	9.941343028	-2.23737435	4.14E-08
peak_39506	chr3	33617660	33617974	10447	intron (NM_213330, intron 1 of 20)	NM_213330	sgsm3	2.247969535	4.485486195	-2.237516659	0.016648
peak_11304	chr16	23052435	23053167	33867	intron (NM_200628, intron 11 of 13)	NM_200628	skap2	8.253162394	10.49071834	-2.237555945	6.70E-08
peak_18179	chr1	35842982	35843631	-59538	Intergenic	NM_001002077	lsm6	5.867742917	8.105322856	-2.237579939	1.51E-05
peak_14562	chr2	32812163	32813755	-94544	Intergenic	NM_001076570	rnf220a	7.463854012	9.701549924	-2.237695912	1.30E-06
peak_15772	chr19	30853265	30854124	-47655	Intergenic	NM_214707	zdhhc18b	7.134984703	9.372680825	-2.237696123	3.22E-06
peak_19179	chr8	12594551	12594972	-40868	Intergenic	NM_001024214	endog	3.494735408	5.732455498	-2.23772009	2.61E-05
peak_14631	chr24	23902857	23904194	375807	Intergenic	NM_001075111	hnf4g	6.688566746	8.926550092	-2.237983346	1.38E-06
peak_12488	chr20	39991176	39991736	-176711	Intergenic	NM_001082853	rnf217	5.896880414	8.134885582	-2.238005168	2.17E-07
peak_17094	chr10	44573518	44574053	24174	Intergenic	NM_001023581	tmem167a	4.776199364	7.014209855	-2.238010491	7.46E-06
peak_15389	chr12	37873641	37874280	158349	Intergenic	NM_001110465	dnai2a	4.727139892	6.965318051	-2.238178159	2.40E-06
peak_15343	chr16	42552322	42552972	-27010	Intergenic	NM_001076716	rbms3	5.171228861	7.410045338	-2.238816476	2.33E-06
peak_16148	chr13	4901558	4902002	-160650	Intergenic	NM_001039639	abcg2c	4.031994474	6.271255938	-2.239261464	4.14E-06
peak_14425	chr20	27423208	27423722	190	exon (NM_001003767, exon 1 of 4)	NM_001003767	tmem179	4.571801766	6.811159345	-2.239357579	1.19E-06
peak_15555	chr15	32907582	32907951	99344	Intergenic	NM_001127474	dckl1b	4.163239007	6.402605022	-2.239366015	2.72E-06
peak_22633	chr4	2686109	2686466	-96149	Intergenic	NM_001044997	slco1c1	3.273336808	5.512802816	-2.239466008	0.000144
peak_21638	chr6	59919967	59920228	18556	Intergenic	NM_199817	tgds	2.809602052	5.049258498	-2.239656446	9.18E-05
peak_32908	chr6	44060660	44060937	31745	intron (NM_001080600, intron 10 of 11)	NM_001080600	shq1	3.19853316	5.438259634	-2.239726473	0.004292
peak_27821	chr11	11239261	11240250	2721	intron (NM_001045452, intron 2 of 3)	NM_001045452	urah	4.504511106	6.744302373	-2.239791267	0.001039
peak_15293	chr22	24652849	24653562	-101155	Intergenic	NR_029937		6.670931384	8.910744022	-2.239812639	2.25E-06
peak_36150	chr17	5355428	5355685	2140	intron (NM_001077335, intron 1 of 2)	NM_001077335	fam167aa	2.521897487	4.761845064	-2.239947577	0.008835
peak_41043	chr3	60567243	60567685	-16750	Intergenic	NM_001130778_1	zgc:194562	2.521897487	4.7619589	-2.240061413	0.021474
peak_27766	chr16	56720463	56720886	68306	TTS (NM_001083010)	NM_001083010	zgc:158766	4.50251599	6.742654428	-2.240138438	0.00102
peak_32916	chr10	29776923	29777286	-102072	Intergenic	NM_200927	picalma	2.961605146	5.201819323	-2.240214177	0.004304
peak_16165	chr5	23268869	23269697	197728	Intergenic	NM_001114691	sh2d1aa	5.002725609	7.242942183	-2.240216573	4.18E-06
peak_17846	chr16	34729771	34730166	-111662	Intergenic	NM_001130601	mms22l	4.100390989	6.340632465	-2.240241476	1.24E-05
peak_11150	chr18	9758244	9760791	-727	promoter-TSS (NM_001100024)	NM_001100024	LOC566572	8.430015189	10.67061046	-2.240595272	5.77E-08
peak_31026	chr23	36036833	36037100	17860	exon (NM_001110166, exon 13 of 15)	NM_001110166	calcoco1a	2.224639552	4.465259369	-2.240619818	0.002635
peak_20681	chr23	39074206	39074578	28324	Intergenic	NM_001080609	sall4	3.629054199	5.86974979	-2.24069559	5.82E-05
peak_19098	chr6	8606795	8607207	443	exon (NM_001020695, exon 2 of 9)	NM_001020695	zgc:112392	3.855979326	6.096687999	-2.240708673	2.50E-05
peak_14785	chr15	16963776	16964708	94899	Intergenic	NM_201993	arcn1b	5.226989601	7.467954828	-2.240965228	1.56E-06
peak_11401	chr19	26345364	26346280	-87314	Intergenic	NM_212563	pard6gb	7.027441566	9.268864738	-2.241423172	7.45E-08
peak_17196	chr25	16766144	16767054	53427	intron (NM_212847, intron 4 of 13)	NM_212847	tead1a	6.597951284	8.83938832	-2.241437036	7.96E-06
peak_16242	chr13	31243078	31243459	68490	Intergenic	NM_001083819	vstm4a	4.062656257	6.304098976	-2.241442719	4.39E-06
peak_13500	chr14	21380078	21380859	222617	Intergenic	NM_152963	fmr1	6.75738747	8.998837721	-2.241450251	5.55E-07
peak_10315	chr6	11734150	11735417	-11723	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	8.03837893	10.27990917	-2.241530238	2.22E-08
peak_16139	chr8	30459746	30460265	17955	Intergenic	NM_131091	atoh1a	5.019808132	7.261703986	-2.241895854	4.11E-06
peak_18107	chr17	7435006	7435733	-24919	Intergenic	NM_201151	fbxo30a	5.006874217	7.24903198	-2.242157763	1.46E-05
peak_19086	chr6	4776694	4777558	344926	Intergenic	NM_201285	pou4f1	5.451560788	7.693809602	-2.242248814	2.49E-05
peak_14187	chr7	15225105	15226814	31041	Intergenic	NR_045222		7.069874613	9.312212877	-2.242338264	9.78E-07
peak_14810	chr9	38355042	38355754	-17137	Intergenic	NM_001039828	slc15a2	6.40942922	8.651799488	-2.242370267	1.58E-06
peak_20286	chr15	20385563	20386032	-13478	Intergenic	NR_030052		3.33794409	5.580366723	-2.242422632	4.80E-05
peak_38363	chr17	9375886	9376291	418733	Intergenic	NM_213310	egln3	3.073219981	5.315928239	-2.242708257	0.01369
peak_32012	chr22	13872706	13873035	122538	Intergenic	NM_001002552	s100b	2.947423891	5.190190607	-2.242766716	0.003439
peak_22370	chr11	17388650	17388912	429401	Intergenic	NM_001110030	kbtbd8	3.152152513	5.395010194	-2.24285768	0.000129
peak_18860	chr20	11284632	11285385	3321	Intergenic	NM_001100043	flrt2	5.232263256	7.47557217	-2.243308914	2.19E-05
peak_18319	chr3	19737738	19738612	48804	TTS (NM_001045364)	NM_001045364	rnd2	5.214574373	7.457886835	-2.243312463	1.63E-05
peak_22267	chr2	41471871	41472601	45763	intron (NM_001020567, intron 1 of 14)	NM_001020567	zgc:110158	4.454070667	6.697402752	-2.243332085	0.000123
peak_11365	chr13	1487373	1488256	-206682	Intergenic	NM_201000	bag2	8.049238841	10.29270467	-2.243465826	7.13E-08
peak_20217	chr14	22518062	22518393	101045	Intergenic	NM_001030227	reep2	3.948848306	6.192372023	-2.243523717	4.63E-05
peak_20870	chr19	13179769	13180252	90524	Intergenic	NM_001044994	si:ch211-105d11.	4.402902949	6.646502752	-2.243599803	6.29E-05
peak_21018	chr9	3232749	3233168	22250	Intergenic	NM_001076667_1	dync1i2a	4.581935301	6.825656266	-2.243720965	6.78E-05
peak_11835	chr6	44778250	44779063	-445374	Intergenic	NM_001256392	pdzrn3b	6.26187213	8.505601084	-2.243728954	1.13E-07
peak_16870	chr15	10838904	10840066	304920	intron (NM_130969, intron 14 of 31)	NM_130969	odz4	5.906442208	8.150238773	-2.243796564	6.56E-06
peak_10073	chr20	24981748	24983005	10269	intron (NM_001044979, intron 3 of 17)	NM_001044979	epha7	8.470395538	10.71436913	-2.24397359	1.68E-08
peak_43906	chr23	37110215	37110497	73713	Intergenic	NM_001020621	cpsf3l	2.247969535	4.491996579	-2.244027043	0.032583
peak_18417	chr1	1730438	1730993	-51156	Intergenic	NM_001159837	slc5a3a	4.397697102	6.641985091	-2.24428799	1.71E-05
peak_22699	chr3	16968136	16968458	-212922	intron (NM_194387, intron 20 of 21)	NM_001077392	hcrt	3.293658114	5.538067463	-2.24440935	0.000148
peak_40732	chr18	60697	61115	-44379	Intergenic	NM_001012372	hdgfrp3	2.533336158	4.777845879	-2.244509722	0.020333
peak_17102	chr3	17750051	17750446	9487	Intergenic	NM_200789	si:ch73-141c7.1	4.320379652	6.56499251	-2.244612858	7.53E-06
peak_22946	chr17	13715341	13715617	611128	Intergenic	NM_200482	jkamp	3.327031342	5.571644881	-2.244613539	0.000165
peak_21759	chr4	14441956	14442441	43646	intron (NM_001004495, intron 2 of 30)	NM_001004495	plxna4	3.814298329	6.058942507	-2.244644178	9.71E-05
peak_14043	chr11	4292558	4292924	-54859	Intergenic	NM_001020570	zgc:110191	4.766538874	7.011201707	-2.244662832	8.80E-07
peak_31418	chr17	7502716	7503117	42628	Intergenic	NM_201151	fbxo30a	3.073219981	5.318082097	-2.244862116	0.002924

peak_22614	chr7	68670333	68671430	-202749	Intergenic	NM_001110471_1	parvab	4.27219941	6.517139481	-2.244940071	0.000142
peak_26833	chr11	35157913	35158251	115701	Intergenic	NM_001045355	tmem44	2.970047467	5.215136094	-2.245088627	0.000736
peak_23510	chr2	27427914	27428243	49226	Intergenic	NM_001020557	tmx3	2.883141315	5.128241792	-2.245100477	0.000208
peak_24057	chr8	19057143	19057491	-29	promoter-TSS (NM_001083855)	NM_001083855	nexn	3.346615242	5.59181286	-2.245197618	0.000263
peak_12466	chr2	46033206	46033947	68878	Intergenic	NM_001034987	itgb1b	5.698139089	7.943418113	-2.245279024	2.12E-07
peak_39985	chr11	25161900	25162159	-36544	Intergenic	NM_001030278	sox12	2.944570835	5.189868994	-2.245298159	0.017996
peak_16510	chr17	38810375	38811089	69710	Intergenic	NM_131525	sptb	5.791433536	8.0370545	-2.245620964	5.31E-06
peak_12480	chr20	48787941	48790123	104	exon (NM_205644, exon 1 of 3)	NM_205644	insm1a	7.377967589	9.623691111	-2.245723522	2.16E-07
peak_15151	chr9	17895860	17896391	31162	exon (NM_001005305, exon 8 of 9)	NM_001005305	slain1a	5.182775708	7.428697635	-2.245921927	2.02E-06
peak_16948	chr14	14904316	14905722	-4220	Intergenic	NM_001014818	phox2bb	6.187610024	8.433582025	-2.245972001	6.85E-06
peak_26813	chr17	37940978	37941544	22113	Intergenic	NM_001077153	zfp36l1a	3.674632506	5.920751354	-2.246118849	0.000733
peak_15168	chr17	48943070	48943757	17234	intron (NM_001077431, intron 6 of 18)	NM_001077431	kif6	5.347155463	7.593490254	-2.246334791	2.04E-06
peak_20714	chr9	48715475	48715899	166231	Intergenic	NM_001003480	zgc:92380	4.234016866	6.480369787	-2.24635292	5.88E-05
peak_30170	chr1	50215909	50216191	56684	Intergenic	NM_001077289	tsga10	2.784293744	5.0306946	-2.246400856	0.002122
peak_40715	chr25	14921660	14922084	-33681	Intergenic	NM_200042	mpped2	3.309268024	5.555823903	-2.246555879	0.020283
peak_24652	chr22	20086054	20086800	127789	intron (NM_001130788, intron 3 of 10)	NM_199573	rgmd	4.301484181	6.548071807	-2.246587626	0.000337
peak_31564	chr4	53021562	53022056	553037	Intergenic	NM_001114418	zgc:174704	1.938847741	4.185637644	-2.246789903	0.003051
peak_31910	chr4	16239742	16240108	-73264	Intergenic	NM_001099454	casc1	3.275608918	5.522506351	-2.246897433	0.003353
peak_22521	chr6	39243535	39244315	-42	promoter-TSS (NM_131509)	NM_131509	krt4	5.647618758	7.894544888	-2.246926131	0.000136
peak_11697	chr13	24698482	24699248	-25988	Intergenic	NM_212794	sertad2b	7.521728999	9.768664873	-2.246935874	9.77E-08
peak_16969	chr24	41318477	41319179	-44802	Intergenic	NM_001045408_1	zgc:153659	4.096540606	6.34366873	-2.247128124	6.92E-06
peak_13912	chr10	45544413	45544933	-69	promoter-TSS (NM_001018125)	NM_001018125	cryba4	5.814711783	8.061842438	-2.247130654	7.79E-07
peak_27179	chr7	15247463	15247998	9270	Intergenic	NR_045222		3.559678887	5.80683849	-2.247159603	0.000827
peak_33831	chr8	20309353	20309666	97138	Intergenic	NM_131271	foxd1	2.122017822	4.369705915	-2.247688094	0.005289
peak_43010	chr12	7009446	7010086	-139610	Intergenic	NM_131003	dkk1b	-0.360322949	1.88752226	-2.247845209	0.028677
peak_16032	chr22	25186429	25186918	-50	promoter-TSS (NR_102278)	NR_102278		4.914140467	7.162079651	-2.247939184	3.86E-06
peak_23379	chr12	29108787	29109078	1674	intron (NM_131425, intron 3 of 11)	NM_131425	etv4	3.609268369	5.857228404	-2.247960035	0.000196
peak_18515	chr7	76877216	76877576	-27907	Intergenic	NM_001089531	zgc:163061	4.104231123	6.352370597	-2.248139474	1.80E-05
peak_25456	chr16	34577522	34578282	25412	intron (NM_001083022, intron 7 of 11)	NM_001083022	klhl32	4.920730635	7.168969618	-2.248238983	0.000458
peak_14203	chr14	5177588	5178162	-214150	Intergenic	NM_001007134	lbx2	5.904996687	8.153277431	-2.248280745	9.86E-07
peak_12146	chr9	54376325	54377819	-162078	Intergenic	NM_001017360	xrcc5	8.220795342	10.46909473	-2.248299389	1.56E-07
peak_32846	chr2	38111317	38111619	35437	Intergenic	NM_131151	psmb5	3.25733105	5.505666464	-2.248335414	0.004216
peak_12426	chr25	11493847	11494660	-100797	Intergenic	NM_001265607	mespbb	5.409672761	7.658073593	-2.248400832	2.05E-07
peak_19299	chr18	26614115	26614574	111639	Intergenic	NM_001126418	kti12	4.026608515	6.275161923	-2.248553408	2.78E-05
peak_21823	chr4	22965952	22966536	-66735	Intergenic	NM_194401	celf2	4.181599935	6.430292452	-2.248692517	1.00E-04
peak_42264	chr4	25837061	25837264	322887	Intergenic	NM_001002629	tnni1d	0.234016866	2.483062465	-2.249045599	0.025505
peak_14444	chr24	23885111	23885900	393827	Intergenic	NM_001075111	hnf4g	5.377710924	7.626814785	-2.249103861	1.21E-06
peak_21158	chr25	23579336	23579614	2418	Intergenic	NM_001039827	kcnj11	2.958780025	5.207892757	-2.249112732	7.25E-05
peak_21767	chr8	115528	115856	27593	Intergenic	NM_001089546_1	zgc:163014	3.809602052	6.058736966	-2.249134913	9.73E-05
peak_15248	chr14	41574027	41574835	120203	Intergenic	NM_001127519	pcdh19	6.146833158	8.396235838	-2.24940268	2.18E-06
peak_12399	chr25	37548417	37549189	61243	Intergenic	NM_213100_1	irx3b	5.78942417	8.039107393	-2.249683222	1.99E-07
peak_28631	chr6	20927567	20928008	-102362	Intergenic	NM_205740	barhl2	3.609268369	5.859202697	-2.249934328	0.001344
peak_22934	chr8	29387873	29388250	12429	Intergenic	NM_213637	scrt2	3.555944961	5.80592618	-2.249981219	0.000164
peak_13897	chr23	3463948	3464875	-40856	Intergenic	NM_131015	mafba	5.436379502	7.686458101	-2.250078599	7.68E-07
peak_33490	chr20	28791837	28792253	1920	intron (NM_001281792, intron 1 of 20)	NM_001281792	sipa1l1	2.986785331	5.236943422	-2.25015809	0.004907
peak_15089	chr23	7932670	7933064	148581	Intergenic	NM_001100145	kif3b	4.973591395	7.224154672	-2.250563277	1.94E-06
peak_30717	chr22	41930657	41930976	-29429	intron (NM_131379, intron 5 of 15)	NM_001080197	senp5	3.041371788	5.291958697	-2.250586909	0.002438
peak_24674	chr14	32008739	32009413	11951	intron (NM_131860, intron 1 of 8)	NM_131860	gpc4	4.487892806	6.738535831	-2.250643025	0.000342
peak_19169	chr2	33690709	33691982	19794	intron (NM_130988, intron 19 of 19)	NM_130988	ptch2	5.129647348	7.380499379	-2.250852031	2.60E-05
peak_28266	chr2	32066812	32067125	3951	intron (NM_001130663, intron 1 of 26)	NM_001130663	asap1a	2.219927938	4.470832376	-2.250904438	0.001196
peak_11769	chr16	11467918	11468923	23208	intron (NM_001114410, intron 2 of 5)	NM_001114410	ncalda	7.422198381	9.673107371	-2.25090899	1.06E-07
peak_27451	chr11	35943487	35943786	50320	Intergenic	NM_001003538	chchd4	2.548447992	4.799457594	-2.251009603	0.00091
peak_26413	chr21	32333204	32333608	47843	Intergenic	NM_131372	cd74b	2.906787328	5.157844448	-2.25105712	0.000635
peak_16136	chr15	26327865	26328686	51443	intron (NM_200622, intron 11 of 24)	NM_200622	bcas3	4.865859134	7.116971915	-2.251112781	4.10E-06
peak_34560	chr6	11315275	11315935	35523	Intergenic	NM_001017811	zgc:112416	0.653720264	2.905005247	-2.251284982	0.006273
peak_25704	chr8	29877278	29877662	128739	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	3.544684847	5.796228892	-2.251544045	0.000496
peak_31045	chr23	36366177	36366790	-1576	Intergenic	NM_175043	nfe2	4.491806838	6.743423643	-2.251616806	0.002648
peak_43183	chr2	14141168	14141727	-13915	Intergenic	NM_001017787	leprot	-0.360322949	1.891462556	-2.251785505	0.029448
peak_20308	chr9	14804183	14804742	-23396	Intergenic	NM_212966	nrp2b	4.78105211	7.032919449	-2.251867339	4.84E-05
peak_23515	chr11	6168314	6168982	-2174	TTS (NM_213239)	NM_213470	tax1bp3	3.395609492	5.647649137	-2.252039645	0.000208
peak_33213	chr9	50480537	50481342	-421677	Intergenic	NM_200132	scn1a	4.183950523	6.43599476	-2.252044238	0.00461
peak_21164	chr7	74117247	74117635	182887	Intergenic	NM_001006020_1	ccdc149a	3.717144084	5.969392664	-2.252248579	7.28E-05
peak_15628	chr17	42015632	42016302	-91929	Intergenic	NM_001098390	zgc:162576	5.688366017	7.940896151	-2.252530135	2.87E-06
peak_17997	chr6	11821063	11822075	-96111	intron (NM_001099261, intron 2 of 2)	NM_001077769	wdsub1	5.893555742	8.146540235	-2.252984494	1.37E-05
peak_24332	chr13	20639426	20640107	15213	intron (NM_131730, intron 3 of 6)	NM_131730_1	gfra1a	5.237551702	7.49060436	-2.253052658	0.000296
peak_13103	chr23	1811421	1812521	86389	Intergenic	NM_001076663	rabggta	5.967610718	8.220995271	-2.253384552	3.90E-07
peak_17849	chr12	40784343	40784866	433203	Intergenic	NM_001099246	abca5	5.424142291	7.677723634	-2.253581343	1.24E-05
peak_16391	chr24	1537022	1537496	78067	Intergenic	NM_001113644_4	zgc:172101	4.700279607	6.953938196	-2.253658589	4.87E-06
peak_25518	chr1	1957654	1958046	-21302	exon (NM_001161670, exon 6 of 9)	NM_001145705	rap2ab	4.249193638	6.502902402	-2.253708763	0.000465
peak_11677	chr19	44564988	44565685	-21179	Intergenic	NM_152961	fabp3	6.442979648	8.697095164	-2.254115517	9.64E-08
peak_28271	chr15	26644947	26645203	-68211	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	2.086222395	4.340519092	-2.254296697	0.001198
peak_16487	chr23	24916575	24917050	30440	Intergenic	NM_001005990	kansl2	4.031994474	6.287107338	-2.255112864	5.22E-06
peak_12729	chr2	29157257	29157721	42448	Intergenic	NM_131110	cahz	5.195466406	7.451083263	-2.255616857	2.72E-07
peak_24905	chr2	47132255	47132729	390131	Intergenic	NM_001145932	acsl3b	3.147197703	5.402878221	-2.255680518	0.000374
peak_23231	chr14	3194885	3195309	9	promoter-TSS (NM_203420)	NM_203420	bicc2	4.086222395	6.341966096	-2.255743701	0.000185
peak_17661	chr12	36641444	36642097	-209858	Intergenic	NM_001256248	tbccl	5.044744971	7.300526563	-2.255781593	1.10E-05
peak_21417	chr7	32881041	32881635	-105402	Intergenic	NM_001199362	cilp	4.748610487	7.004398029	-2.255787542	8.19E-05
peak_12234	chr9	54922786	54923306	-177326	Intergenic	NM_001288817	trpm2	5.747383201	8.003214615	-2.255831413	1.68E-07
peak_17705	chr9	56825985	56826552	-47494	Intergenic	NM_001013334	gpm6bb	3.723815645	5.979732905	-2.25591726	1.13E-05
peak_36013	chr8	13608470	13608803	-15371	intron (NM_199565, intron 5 of 10)	NM_001024386	itgb4	3.365936857	5.621961813	-2.256024957	0.008553
peak_12159	chr22	24907824	24908654	46921	intron (NM_001003617, intron 2 of 9)	NM_001003617	nek7	6.297049966	8.55313713	-2.256087164	1.57E-07
peak_20573	chr8	2255203	2255610	233286	Intergenic	NM_001256256	snap29	3.817420708	6.073656218	-2.256235511	5.53E-05
peak_26395	chr17	37733769	37734509	-79012	Intergenic	NM_001076673	tmem229b	4.400883581	6.657208023	-2.256324442	0.000631
peak_16421	chr9	2175412	2175997	-153285	Intergenic	NM_201176	atp5g3a	5.384569	7.640924131	-2.256355131	4.99E-06
peak_12054	chr7	34340795	34341706	16599	intron (NM_131518, intron 2 of 7)	NM_131518	cd81	5.696020133	7.952396486	-2.256376353	1.41E-07
peak_37152	chr14	37430925	37431303	-15491	Intergenic	NM_130975	pitx2	3.183950523	5.440389011	-2.256438488	0.010892
peak_16064	chr14	44323537	44323927	-85569	Intergenic	NM_001115099	pcdh18b	4.367064887	6.623526887	-2.256462	3.93E-06
peak_23921	chr6	14621675	14622096	-228125	Intergenic	NM_201447	pou3f3b	3.874173177	6.130646334	-2.256473157	0.000249
peak_16436	chr10	15527005	15527511	43828	intron (NM_001193543, intron 1 of 23)	NM_001193543	erbb2ip	4.970789671	7.227318784	-2.256529113	5.03E-06
peak_33266	chr10	14751590	14752207	-165264	Intergenic	NM_001045421	zgc:153395	3.124540972	5.381101022	-2.25656005	0.004663
peak_11579	chr3	38764648	38766300	145306	Intergenic	NM_001045132	si:dkey-106c17.2	6.90958649	9.166482334	-2.256895844	8.86E-08
peak_26960	chr18	40259060	40259383	39391	Intergenic	NM_001166335	pgr	3.17667448	5.433628817	-2.256954337	0.000768
peak_20896	chr14	50781014	50781484	-197803	Intergenic	NM_001002065_1	ppid	3.602044119	5.859035173	-2.256991054	6.39E-05
peak_28135	chr16	17655500	17655940	-97366	Intergenic	NM_001002175	sntb1	3.964424746	6.221722758	-2.257298013	0.001154
peak_18705	chr21	13070465	13070928	-36325	Intergenic	NM_001008603	pus1	4.368129927	6.625647378	-2.25751745	2.00E-05
peak_13656	chr7	43528662	43529285	-84666	Intergenic	NM_131063	shha	4.66161059	6.91921554	-2.25760495	6.33E-07
peak_26627	chr24	35961510	35962128	63561	intron (NM_131456, intron 7 of 17)	NM_131456	ctnna1	4.193665276	6.451424115	-2.257758839	0.000682
peak_27774	chr23	22188977	22189366	177604	Intergenic	NM_001136488	phc2a	3.280142431	5.538118676	-2.257976245	0.001022
peak_18277	chr10	45827798	45828712	47493	intron (NM_001134725, intron 2 of 20)	NM_001134725	adrbk2	4.453067239	6.711062524	-2.257995285	1.60E-05
peak_14855	chr1	20397987	20398859	52434	Intergenic	NM_001037378	primpol	6.022874244	8.280895901	-2.258021657	1.63E-06
peak_14369	chr9	56302011	56302731	27495	intron (NM_001002457, intron 9 of 11)	NM_001002457	egfl6	6.736266333	8.994413644	-2.258147311	1.12E-06
peak_20192	chr7	38788760	38789166	19526	Intergenic	NM_001146014	sall1a	3.10167217	5.35992035	-2.258248181	4.57E-05
peak_17114	chr14	40875028	40875420	-347664	Intergenic	NM_131782	glra4a	4.620089523	6.87836655	-2.258277027	7.57E-06
peak_42380	chr18	21243799	21244071	54412	intron (NM_001030195, intron 2 of 8)	NM_001030195	necab2	2.31603542	4.574331846	-2.258296426	0.025962
peak_19741	chr17	17983332	17984428	35756	Intergenic	NM_001099260	bcl11ba	5.980920138	8.239355968	-2.25843583	3.54E-05

peak_13673	chr21	3576357	3577388	112497	Intergenic	NM_175082	smad7	5.976367317	8.235147345	-2.258780028	6.41E-07
peak_11676	chr12	3643667	3644328	1295	intron (NM_001017619, intron 3 of 8)	NM_001017619	dcxr	6.936273893	9.195084958	-2.258811065	9.63E-08
peak_14140	chr6	48854226	48854739	-114992	Intergenic	NM_001256640	si:ch211-105j21.1	5.28916694	7.548170046	-2.259003106	9.40E-07
peak_23700	chr18	13390535	13391016	470096	Intergenic	NM_001089503	mlycd	3.814298329	6.073450916	-2.259152587	0.000225
peak_14660	chr9	16082761	16084663	-382841	Intergenic	NM_131520	fn1a	6.497901332	8.757154877	-2.259253544	1.41E-06
peak_11098	chr1	39975212	39976553	69146	intron (NM_130968, intron 2 of 28)	NM_130968	tenm3	6.861506046	9.120851837	-2.259345791	5.45E-08
peak_14016	chr22	18498731	18499343	20181	Intergenic	NR_029996		5.077746189	7.337421151	-2.259674962	8.55E-07
peak_27509	chr15	2858959	2859181	9861	intron (NM_001001407, intron 8 of 17)	NM_001001407	mre11a	2.081035483	4.34075711	-2.259721627	0.000929
peak_23708	chr24	1396388	1397156	-62420	Intergenic	NM_001113644_4	zgc:172101	4.84143745	7.101180596	-2.259743146	0.000226
peak_13964	chr15	40936523	40937251	-125836	Intergenic	NM_001007768	farsb	6.107442047	8.367301609	-2.259859562	8.16E-07
peak_24841	chr6	14290538	14290892	-87807	Intergenic	NM_001128547	inpp4ab	3.68663467	5.946657467	-2.260022797	0.000365
peak_11806	chr3	41851430	41852434	-60349	Intergenic	NM_130971	lfng	5.659437256	7.919496888	-2.260059632	1.09E-07
peak_10918	chr9	17957923	17958732	3321	intron (NM_001002190, intron 2 of 4)	NM_001002190	rgcc	7.275734252	9.535856326	-2.260122073	4.49E-08
peak_17193	chr6	44781559	44782111	-448553	Intergenic	NM_001256392	pdzrn3b	4.357443976	6.617735486	-2.260291509	7.95E-06
peak_19609	chr8	15657341	15657703	21759	intron (NM_001113620, intron 2 of 10)	NM_001113620	bcar3	3.935893853	6.196327008	-2.260433155	3.30E-05
peak_13163	chr5	37905851	37906462	22695	intron (NM_131805, intron 1 of 4)	NM_131805	efnb1	6.676125706	8.9365683	-2.260442594	4.12E-07
peak_16523	chr7	61866692	61867330	-106940	Intergenic	NM_001005985	rwdd	4.446023636	6.706482912	-2.260459276	5.35E-06
peak_17397	chr8	34160470	34160903	69269	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	4.701125064	6.961611813	-2.260486749	9.12E-06
peak_22227	chr17	51339006	51339490	9693	intron (NM_001002063, intron 1 of 5)	NM_001002063	stxbp6	3.83917979	6.09998918	-2.260809389	0.00012
peak_16143	chr9	36975193	36975607	20811	TTS (NM_131690)	NM_131690	atp1a1b	4.496684491	6.757561414	-2.260876922	4.12E-06
peak_22974	chr1	18080217	18080892	5856	intron (NM_001002749, intron 4 of 7)	NM_001002749	tyrp1b	4.86204007	7.12292087	-2.2608808	0.000167
peak_39937	chr22	31988257	31988494	-174301	Intergenic	NM_205574	pvalb7	2.122017822	4.38310924	-2.261091418	0.017843
peak_35421	chr4	20676731	20677195	45	promoter-TSS (NM_131576)	NM_131576	myf5	2.862128275	5.123429112	-2.261300837	0.007533
peak_17763	chr22	18594696	18595101	16248	exon (NM_212916, exon 3 of 11)	NM_001044845	tssk6	3.958780025	6.220243862	-2.261463838	1.18E-05
peak_19940	chr19	44277348	44277813	14588	intron (NM_200106, intron 8 of 13)	NM_200106	fbxl2	4.281273587	6.54277183	-2.261498243	3.97E-05
peak_22219	chr1	41269156	41269362	22990	Intergenic	NM_001045371	hmx4	2.815860363	5.077383453	-2.26152309	0.00012
peak_16219	chr5	8563919	8564486	5042	intron (NM_001002654, intron 2 of 13)	NM_001002654	pdlim5a	5.213389671	7.475267082	-2.26187741	4.33E-06
peak_30228	chr9	52831277	52831605	6764	exon (NM_001076600_1, exon 2 of 2)	NM_001076600_1	tank	3.713796698	5.975760057	-2.261963358	0.002158
peak_18727	chr14	21477180	21477808	319643	Intergenic	NM_152963	fmr1	4.229335828	6.491586796	-2.262250969	2.03E-05
peak_12536	chr6	6516213	6516827	-62774	Intergenic	NM_001014319	zgc:113227	6.136244659	8.398698119	-2.26245346	2.26E-07
peak_13628	chr2	25104932	25105746	-195734	Intergenic	NM_001002303	nceh1a	5.572725943	7.835407652	-2.262681709	6.20E-07
peak_16689	chr6	27267834	27268631	45382	intron (NM_001083826, intron 1 of 14)	NM_001083826	ryk	5.360091665	7.622918072	-2.262826407	5.91E-06
peak_37486	chr25	31287826	31288417	-18350	Intergenic	NM_001003887	ticrr	2.797003394	5.060951427	-2.263948033	0.01164
peak_11163	chr16	854552	855173	34212	Intergenic	NM_207185	irx1a	6.358768428	8.622827865	-2.264059437	5.86E-08
peak_12610	chr7	9681038	9682343	6409	intron (NM_194409, intron 2 of 2)	NM_194409	vax2	6.244254752	8.508623699	-2.264368947	2.41E-07
peak_19133	chr12	36705598	36706805	-158625	Intergenic	NM_200770	fscn2b	4.737939164	7.002372869	-2.264433705	2.55E-05
peak_32828	chr22	40420173	40421387	-85096	Intergenic	NM_213118	sox2	5.275074351	7.539539428	-2.264465077	0.004198
peak_19495	chr5	50766689	50767315	11744	Intergenic	NM_001080029	arrdc3a	4.898745647	7.163241112	-2.264495464	3.08E-05
peak_37890	chr9	28244969	28245248	-118090	Intergenic	NM_001126402	si:rp71-84d19.3	2.664163689	4.928669169	-2.264505481	0.012482
peak_12127	chr25	15295377	15296091	14662	intron (NM_131304, intron 7 of 12)	NM_131304	pax6a	6.097183051	8.361975139	-2.264792088	1.52E-07
peak_22899	chr10	12363652	12364144	-228671	Intergenic	NM_001004502	lpar1	4.125874362	6.39074531	-2.264870948	0.000161
peak_27084	chr3	6589989	6590392	-26196	Intergenic	NM_001089460	pkn1b	3.463070247	5.728025984	-2.264955737	0.0008
peak_21183	chr6	9025566	9025992	-33653	Intergenic	NM_001004584	sdprb	3.958780025	6.223990195	-2.26521017	7.37E-05
peak_41326	chr3	21065916	21066224	6870	intron (NM_001004583, intron 4 of 8)	NM_001004583	slc35b1	0.215200887	2.48044886	-2.265247973	0.022391
peak_38362	chr21	19353671	19354051	129095	Intergenic	NM_001006022	zgc:103482	3.414290115	5.679596083	-2.265305968	0.01369
peak_16542	chr10	32522079	32522914	-69300	Intergenic	NM_131482	robo3	6.225832192	8.491200876	-2.265368684	5.40E-06
peak_13935	chr3	51593061	51593687	-207481	Intergenic	NM_001102636	zgc:165582	5.449046535	7.714432031	-2.265385496	7.93E-07
peak_18024	chr8	8487962	8488326	-102775	Intergenic	NM_001111186	abcd1	3.732111944	5.997561765	-2.265449821	1.38E-05
peak_19763	chr7	64654334	64654705	637463	Intergenic	NM_131287	sox17	3.6900456	5.955569308	-2.265523707	3.58E-05
peak_21042	chr11	14609982	14610530	48098	Intergenic	NM_001122654	ptbp1b	3.73706692	6.002605648	-2.265538728	6.85E-05
peak_18384	chr20	21363852	21364337	22904	intron (NM_001044888, intron 1 of 4)	NM_001044888	nudt14	3.500574775	5.766213904	-2.265639129	1.68E-05
peak_11489	chr9	30861340	30862621	-156338	intron (NM_001077576, intron 4 of 13)	NM_001006048	cmss1	6.384057969	8.649707425	-2.265649456	8.14E-08
peak_28568	chr13	49862155	49862582	-136515	Intergenic	NM_001003463	ntpcr	2.883141315	5.148879543	-2.265738228	0.001318
peak_19268	chr22	40051265	40052520	162636	Intergenic	NM_001003462	trim35-36	5.549414635	7.815193299	-2.265778664	2.73E-05
peak_11220	chr8	24201769	24202644	-7001	Intergenic	NM_001020476	dnmt3b	5.848367416	8.11417232	-2.265804904	6.10E-08
peak_16512	chr22	20422991	20423651	948	exon (NM_001083879, exon 1 of 1)	NM_001083879	rxfp3.2b	4.543742525	6.809658678	-2.265916153	5.31E-06
peak_12232	chr22	18532764	18533882	-10439	Intergenic	NM_212916	gatad2ab	6.210720531	8.476730541	-2.266010011	1.68E-07
peak_11824	chr15	8364443	8365493	18571	intron (NM_001044904, intron 3 of 9)	NM_001044904	tnfrsf19	6.66291302	8.928943447	-2.266030427	1.11E-07
peak_41655	chr19	32304002	32304304	-2963	Intergenic	NM_001082845	sostdc1b	2.614767619	4.880844231	-2.266076612	0.023477
peak_31670	chr6	57846918	57847552	208039	intron (NM_212908, intron 2 of 6)	NM_212908	tox2	4.049361258	6.315494712	-2.266133454	0.003145
peak_32831	chr8	26295439	26295744	-20462	Intergenic	NM_001114907	kcnq2a	3.152152513	5.418405813	-2.266253299	0.004203
peak_14173	chr16	47691168	47691692	43964	Intergenic	NM_001003850	rbm42	5.380352505	7.646694429	-2.266341924	9.68E-07
peak_18941	chr11	30939676	30940271	-68175	Intergenic	NM_001007297	ace2	5.154623552	7.421233651	-2.2666101	2.29E-05
peak_31908	chr22	17237767	17238148	-18510	Intergenic	NM_001079962	nfia	2.081035483	4.347687136	-2.266651652	0.003352
peak_42647	chr4	25199701	25200025	-4677	Intergenic	NM_001014325	si:ch211-244b2.4	-0.360322949	1.906357506	-2.266680455	0.027039
peak_15430	chr16	30827516	30827911	-2522	TTS (NM_001128768)	NM_001018151	crot	4.339030839	6.605855291	-2.266824453	2.48E-06
peak_29399	chr14	21642714	21643166	250073	Intergenic	NM_001080068	ids	3.424684114	5.691818195	-2.267134081	0.001706
peak_34339	chr9	15419241	15419513	281494	Intergenic	NM_131520	fn1a	2.075829856	4.343298819	-2.267468963	0.005974
peak_39481	chr3	32557041	32557402	3172	intron (NM_001202479, intron 3 of 6)	NM_001202477	prrg2	2.219927938	4.487472851	-2.267544912	0.016539
peak_23739	chr8	39677035	39677275	-111108	Intergenic	NM_001037569	zgc:123248	3.08363127	5.35130611	-2.26767484	0.000229
peak_17547	chr2	53057607	53058031	26498	intron (NM_130911, intron 1 of 6)	NM_130911	chico	5.476057777	7.743734209	-2.267676432	1.01E-05
peak_17342	chr2	29420522	29420934	-4874	Intergenic	NM_207641	ptf1a	3.764922485	6.032628717	-2.267706232	8.73E-06
peak_18165	chr12	27214487	27215317	-75243	Intergenic	NM_001128734	six2b	5.505906845	7.773976049	-2.268069204	1.50E-05
peak_22779	chr1	52990048	52990346	2409	intron (NM_001002347, intron 2 of 7)	NM_001002347	acy3.2	3.09910867	5.367279681	-2.268171011	0.000153
peak_15797	chr10	39502858	39503288	-64163	Intergenic	NR_030051		5.288041959	7.556457793	-2.268415834	3.27E-06
peak_12712	chr15	34893211	34894085	-307286	Intergenic	NM_001017614	rhbdd1	7.062985149	9.331512987	-2.268527838	2.67E-07
peak_22678	chr13	30661507	30661968	-68646	Intergenic	NM_001113339	zmiz1a	3.55032589	5.818920096	-2.268594206	0.000147
peak_34464	chr19	31585406	31585724	18879	Intergenic	NM_213235	khdrbs1b	2.738714804	5.007403474	-2.26868867	0.006139
peak_19147	chr18	46360641	46360964	-259696	Intergenic	NM_001037706	smtla	3.036020788	5.304809924	-2.268789135	2.57E-05
peak_17501	chr16	39852264	39853005	8609	intron (NM_001089345, intron 1 of 3)	NM_001089345	eva1ba	5.183416181	7.452259974	-2.268843793	9.78E-06
peak_43435	chr14	25672556	25672799	88120	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	2.247969535	4.51686219	-2.268892654	0.030555
peak_21378	chr9	28314932	28315455	-48005	Intergenic	NM_001126402	si:rp71-84d19.3	3.846840202	6.115783196	-2.268942993	8.06E-05
peak_34179	chr1	19178624	19179076	196232	Intergenic	NM_001044325	zgc:136652	3.368192036	5.637385521	-2.269193485	0.005735
peak_20501	chr13	19815502	19815809	112786	Intergenic	NM_001002536	fam204a	3.555944961	5.825163698	-2.269218737	5.30E-05
peak_19886	chr1	40056900	40057194	150311	exon (NM_130968, exon 8 of 29)	NM_130968	tenm3	2.883141315	5.152408206	-2.269266891	3.84E-05
peak_31949	chr3	36469968	36470458	49157	Intergenic	NM_001030203	nde1	4.021123377	6.290525494	-2.269402117	0.003382
peak_13896	chr6	15695119	15695643	32906	intron (NM_001098731, intron 8 of 17)	NM_001098731	iqca1	4.548447992	6.817898757	-2.269450765	7.68E-07
peak_25124	chr19	26342606	26342912	-84251	Intergenic	NM_212563	pard6gb	3.715471362	5.984966562	-2.2694952	0.000406
peak_23463	chr11	42393268	42393592	-21715	Intergenic	NM_131332	pax7a	3.166915653	5.436544723	-2.26962907	0.000203
peak_22955	chr8	21797174	21797493	5123	intron (NM_001128269, intron 2 of 7)	NM_001128269	itpr3	3.322643025	5.592306604	-2.269663579	0.000166
peak_22591	chr23	43070630	43071028	20720	Intergenic	NM_001020501	gpx7	3.2869161	5.556696808	-2.269780709	0.000141
peak_18963	chr7	22551544	22552487	110396	Intergenic	NM_001017564	zgc:113025	4.622769162	6.892569436	-2.269800274	2.32E-05
peak_17555	chr5	68684455	68684975	-33739	intron (NM_131302, intron 27 of 33)	NM_001100001	camsap1b	4.99997995	7.269961346	-2.269981396	1.02E-05
peak_38095	chr1	38530530	38530788	-21625	intron (NM_001145602, intron 9 of 11)	NM_001020641	galnt7	2.122017822	4.392216313	-2.270198491	0.012982
peak_13311	chr13	26922985	26923884	-4404	Intergenic	NM_212982	fancl	6.595933653	8.866277143	-2.27034349	4.68E-07
peak_14308	chr14	15313057	15314230	82118	intron (NM_200376, intron 3 of 6)	NM_200376	fgfrl1a	6.59820471	8.868700347	-2.270495637	1.07E-06
peak_15273	chr2	7905791	7906259	9235	Intergenic	NM_001079995	chst2a	5.216940861	7.487439768	-2.270498907	2.22E-06
peak_19541	chr17	42334479	42335437	59334	Intergenic	NM_130949	foxa2	5.110608718	7.381125205	-2.270516487	3.17E-05
peak_13353	chr7	9595028	9595566	-76585	intron (NM_001020496, intron 1 of 4)	NM_001024426	tex261	5.115093328	7.385675282	-2.270581954	4.91E-07
peak_16374	chr18	14956924	14957425	2408	intron (NM_205712, intron 1 of 17)	NM_205712	rfx4	4.450052762	6.720691691	-2.270638929	4.82E-06
peak_24410	chr17	9978158	9978708	51957	Intergenic	NM_001170739	mgaa	3.825197218	6.095963699	-2.27076648	0.000306
peak_17148	chr15	20343088	20343457	-56003	Intergenic	NR_030052		4.058703696	6.329673472	-2.270969776	7.74E-06
peak_21873	chr25	33581699	33582140	72302	intron (NM_001123047, intron 18 of 29)	NM_001123047	scaper	4.077057032	6.348258133	-2.271201101	0.000103
peak_12609	chr17	3821000	3821562	35995	intron (NM_001020655, intron 9 of 9)	NM_001083542	hao1	5.685780676	7.957063795	-2.271283119	2.41E-07
peak_26599	chr13	871438	872187	-15832	Intergenic	NM_001173407	LOC798231	5.213947586	7.485401929	-2.271454343	0.000675

peak_31756	chr22	34138061	34138340	-141249	Intergenic	NM_001037661	slc6a6b	3.313826142	5.585327823	-2.271501681	0.003233
peak_15950	chr15	40725549	40726179	85187	Intergenic	NM_001007768	farsb	5.609744952	7.881295575	-2.271550622	3.63E-06
peak_19081	chr5	65653141	65653586	-18403	Intergenic	NM_001100016	si:ch211-253h3.1	3.504454597	5.776113118	-2.271658521	2.48E-05
peak_11347	chr6	50426846	50427878	24257	Intergenic	NM_001126109	mych	7.88639713	10.15811298	-2.271715849	6.97E-08
peak_14760	chr14	45359834	45360653	5593	intron (NM_182885, intron 3 of 4)	NM_182885	pcdh10b	5.846458146	8.118254128	-2.271795982	1.53E-06
peak_11192	chr7	55948634	55949746	-38473	intron (NM_001077575, intron 12 of 12)	NM_001128270	LOC796180	7.572155141	9.843965345	-2.271810204	5.98E-08
peak_28615	chr5	74094792	74095183	154148	Intergenic	NM_001017876_1	fsip1	3.576470503	5.848324268	-2.271853765	0.001337
peak_22636	chr5	32172238	32173508	1462	TTS (NM_201073)	NM_201073	h2afx	5.839157386	8.111058554	-2.271901168	0.000144
peak_32468	chr11	27405905	27406751	92887	Intergenic	NM_001003856	rbm12	4.617352643	6.88926982	-2.271917177	0.003861
peak_16712	chr22	33008155	33008910	-11717	Intergenic	NM_131237	mxi1	5.421549829	7.693655606	-2.272105777	5.99E-06
peak_14288	chr11	26185585	26186048	4788	3' UTR (NM_131066, exon 3 of 4)	NM_131066	snai1a	4.130902821	6.403256547	-2.272353727	1.05E-06
peak_39313	chr7	57544841	57545418	183276	Intergenic	NM_212606	cdh15	3.523698724	5.796173892	-2.272475169	0.016104
peak_20478	chr1	6417896	6418583	19286	intron (NM_131808, intron 2 of 4)	NM_131808	efnb2b	4.676353226	6.948985298	-2.272632072	5.24E-05
peak_34394	chr6	56136927	56137433	17803	intron (NM_001008576_1, intron 4 of 7)	NM_001008576_1	tfap2c	3.365936857	5.638716533	-2.272779676	0.006043
peak_15634	chr7	66596705	66597198	233249	Intergenic	NM_198825_1	fam60al	4.847604011	7.120473231	-2.27286922	2.87E-06
peak_27139	chr4	18478337	18478756	149918	intron (NM_182865, intron 16 of 23)	NM_182865	snd1	3.359525028	5.632625135	-2.273100107	0.000815
peak_10480	chr8	33867588	33869437	-15239	intron (NM_001100146, intron 9 of 20)	NM_001126478	angptl2b	7.890119901	10.16343674	-2.273316841	2.68E-08
peak_19971	chr1	47284579	47285396	44889	Intergenic	NM_001278811	si:ch73-160h15.3	5.26586097	7.539214048	-2.273353079	4.05E-05
peak_24673	chr7	50880569	50881036	227388	Intergenic	NM_001020629	hrasb	3.50251599	5.775968696	-2.273452706	0.000342
peak_17439	chr7	69287563	69288235	-137482	Intergenic	NM_001007441	znf143a	4.877168754	7.150725383	-2.273556628	9.34E-06
peak_19710	chr10	22028274	22028653	15342	exon (NM_001024109, exon 4 of 6)	NM_001024126	pcdh1g30	3.814298329	6.087858487	-2.273560158	3.49E-05
peak_20172	chr16	39631781	39632352	-72663	Intergenic	NM_001089484	scmh1	5.312134677	7.585859534	-2.273724857	4.52E-05
peak_17963	chr18	44549660	44550203	-10069	Intergenic	NM_001002686	blvrb	3.596602092	5.870447571	-2.273845479	1.34E-05
peak_41682	chr23	23464169	23464783	9083	intron (NM_001003830, intron 11 of 18)	NM_001003830	noc2l	0.234016866	2.507909048	-2.273892182	0.023572
peak_22727	chr12	29097760	29098276	-9240	Intergenic	NM_131425	etv4	3.884630599	6.158693743	-2.274063144	0.00015
peak_20747	chr19	14090183	14090530	84312	Intergenic	NM_001045170	fam46bb	3.293658114	5.567736243	-2.274078129	5.97E-05
peak_26277	chr1	18876364	18876713	-64707	Intergenic	NM_207071	mettl14	3.022555809	5.297090559	-2.27453475	0.000605
peak_24186	chr13	52219741	52220364	3246	exon (NM_001045030, exon 2 of 16)	NM_001045030	prtga	4.165691145	6.440926089	-2.275234944	0.000279
peak_13509	chr10	1147307	1148339	43080	intron (NM_001114924_1, intron 3 of 4)	NM_001114924_1	bmpr1bb	4.616508912	6.891960736	-2.275451825	5.59E-07
peak_13365	chr16	8999412	9000167	76599	Intergenic	NM_001077532	cnot10	6.158629984	8.43419528	-2.275565296	4.97E-07
peak_23116	chr10	36534238	36534567	-43252	Intergenic	NM_001083549	zdhhc20a	3.166915653	5.44254504	-2.275629387	0.000178
peak_12539	chr14	36216418	36217527	107412	Intergenic	NM_001007108	il12ba	7.818509513	10.09419495	-2.275685435	2.27E-07
peak_17815	chr13	22187999	22188429	-217068	Intergenic	NM_205678	myoz1a	4.396653674	6.672371865	-2.27571819	1.21E-05
peak_33551	chr7	24765773	24766115	102852	Intergenic	NM_001020521	zgc:109889	2.563403173	4.839157622	-2.275754449	0.004971
peak_25190	chr6	19998462	19999026	47393	Intergenic	NM_182866	glulb	3.790662565	6.066677661	-2.276015096	0.000415
peak_11463	chr2	27557056	27558169	6142	exon (NM_001076593, exon 8 of 8)	NM_001076593	zgc:153394	7.219034186	9.495182608	-2.276148422	7.93E-08
peak_16596	chr19	10141378	10141636	3573	intron (NM_001020468, intron 5 of 7)	NM_001020468	ing4	3.542799588	5.819213707	-2.27641412	5.58E-06
peak_11095	chr16	49307917	49308764	38144	Intergenic	NM_001003557	bola1	7.847502988	10.12393431	-2.27643132	5.44E-08
peak_35866	chr5	55657318	55657624	136195	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	3.183950523	5.4604304	-2.276479877	0.008317
peak_10528	chr17	9048666	9049734	-227415	Intergenic	NM_001077768	zranb1b	7.9550533	10.23153711	-2.276483812	2.81E-08
peak_37879	chr16	8444795	8445087	38991	Intergenic	NM_200373	sri	0.944570835	3.221239648	-2.276668813	0.012469
peak_39061	chr20	8132455	8132765	370543	Intergenic	NM_001244756	bloc1s2	0.215200887	2.491928868	-2.276727981	0.015416
peak_21193	chr8	11348649	11348910	32728	Intergenic	NM_001083016	fxn	3.231678245	5.508437175	-2.276758929	7.39E-05
peak_18996	chr20	43396093	43396528	-14532	Intergenic	NM_001044916	unc93a	3.798584256	6.075708743	-2.277124488	2.37E-05
peak_16683	chr17	1880555	1881171	-217187	Intergenic	NM_001163923	ccbe1	5.634375402	7.911581882	-2.277206479	5.90E-06
peak_13532	chr8	35078782	35079486	-172702	Intergenic	NM_131616	pbx3b	5.364932445	7.642174099	-2.277241655	5.67E-07
peak_13613	chr20	33355288	33355887	22223	Intergenic	NM_212614	mycn	5.651123077	7.928470455	-2.277347378	6.11E-07
peak_16486	chr25	648945	649608	-5198	Intergenic	NM_001098393	zgc:162740	6.430753926	8.708138532	-2.277384606	5.21E-06
peak_11615	chr22	17116276	17117999	102310	intron (NM_001079962, intron 4 of 10)	NM_001079962	nfia	6.618984586	8.896373829	-2.277389243	9.19E-08
peak_11795	chr14	32853856	32854701	32216	Intergenic	NM_001001950	zic3	6.08879003	8.366183594	-2.277393564	1.09E-07
peak_27965	chr3	56427016	56427358	-2588	Intergenic	NM_001099249_1	zgc:165627	3.756813261	6.034332895	-2.277519634	0.001092
peak_13066	chr13	19818474	19819088	109660	Intergenic	NM_001002536	fam204a	5.180958654	7.458484365	-2.277525711	3.77E-07
peak_12849	chr24	42984560	42985556	9077	intron (NM_200379, intron 3 of 4)	NM_200379	xylb	5.975339714	8.252876058	-2.277536344	3.01E-07
peak_18630	chr6	42635920	42636442	-115513	Intergenic	NM_001014822	sema3fa	4.660741649	6.938628655	-2.277887006	1.91E-05
peak_25331	chr5	29531295	29531795	-11312	Intergenic	NM_001076718	adam28	4.105508899	6.383619343	-2.278110444	0.000438
peak_39581	chr3	61690181	61690511	4966	exon (NM_213266, exon 2 of 31)	NM_213266	helz	2.909716015	5.18813762	-2.278421605	0.016831
peak_21955	chr24	29429088	29429701	-54169	Intergenic	NM_001002206	abca4a	4.629942431	6.908407678	-2.278465247	0.000107
peak_19349	chr1	46746889	46747686	55847	Intergenic	NM_001037662	sox1b	5.776647278	8.055192005	-2.278544728	2.85E-05
peak_22299	chr17	10954928	10955355	-67733	intron (NM_001258228, intron 10 of 10)	NM_214731	dact1	4.343369665	6.622015167	-2.278645502	0.000125
peak_14206	chr7	26429340	26429950	-61740	intron (NM_001076730, intron 20 of 21)	NM_212666	cyp26b1	5.622322901	7.901243435	-2.278920534	9.89E-07
peak_20391	chr11	29497997	29498402	3795	Intergenic	NM_001172642	aadacl4	3.280142431	5.559071563	-2.278929132	5.07E-05
peak_18068	chr16	31472069	31472372	27758	Intergenic	NR_029995		3.68663467	5.965602017	-2.278967346	1.42E-05
peak_17831	chr19	5856064	5856508	22297	intron (NM_131523, intron 1 of 9)	NM_131523	stx1b	4.36172786	6.64072728	-2.27899942	1.23E-05
peak_20410	chr23	21740942	21741438	-66	promoter-TSS (NM_205619)	NM_205619	her12	5.749428098	8.028439101	-2.279011003	5.11E-05
peak_24216	chr5	15556492	15556997	302445	Intergenic	NM_213066	hk2	3.542799588	5.821898018	-2.279098431	0.000283
peak_11575	chr3	2564075	2565583	13193	Intergenic	NM_131875	sox10	7.150587908	9.429721251	-2.279133343	8.82E-08
peak_14477	chr13	34053345	34054420	-2247	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	5.970418617	8.249973749	-2.279555132	1.24E-06
peak_20511	chr9	51848808	51849179	63514	intron (NM_001020575, intron 1 of 1)	NM_001020575	fign	3.629054199	5.908616693	-2.279562493	5.32E-05
peak_15832	chr21	37365356	37365980	92834	Intergenic	NM_001080058	zgc:158291	4.965832482	7.245761374	-2.279928892	3.35E-06
peak_17250	chr7	16622233	16622628	-14310	Intergenic	NM_131641	pax6b	4.130902821	6.410835676	-2.279932855	8.27E-06
peak_21730	chr3	28226340	28227110	89	promoter-TSS (NM_001005596)	NM_001005596	rbfox1	4.335768134	6.615746323	-2.279978189	9.54E-05
peak_21530	chr16	46011064	46011298	29223	Intergenic	NM_001135135	dbf4	3.166915653	5.447298644	-2.280382991	8.67E-05
peak_19461	chr14	21563655	21564177	329097	Intergenic	NM_001080068	ids	4.817466197	7.097879039	-2.280412843	3.02E-05
peak_30380	chr14	41073816	41074165	-546430	Intergenic	NM_131782	glra4a	3.406017464	5.686622864	-2.280605401	0.002238
peak_17390	chr10	13963999	13964891	-227808	Intergenic	NM_001098242	cntfr	4.793790223	7.074397889	-2.280607667	9.07E-06
peak_19744	chr21	14253481	14254232	37066	Intergenic	NM_001003568	mzt2b	5.342859629	7.623506847	-2.280647219	3.54E-05
peak_27321	chr23	32832924	32833407	202044	Intergenic	NM_200286	taf8	3.271061115	5.551860925	-2.280799811	0.000867
peak_16019	chr20	17800924	17801596	15239	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	6.312932259	8.593776671	-2.280844412	3.82E-06
peak_39803	chr20	2004664	2005256	-141528	intron (NM_001278799, intron 34 of 49)	NM_001245964	l3mbtl3	1.984009138	4.265109562	-2.281100424	0.017405
peak_31249	chr8	2587877	2588269	21232	3' UTR (NM_213246, exon 9 of 9)	NM_213246	vdac3	3.350931353	5.632145711	-2.281214359	0.002807
peak_23752	chr19	49513114	49513481	9242	intron (NM_001040330, intron 2 of 8)	NM_173269	c1orf109	3.992402332	6.273926722	-2.28152439	0.000231
peak_16463	chr8	10082362	10083270	32394	intron (NM_001098489, intron 2 of 31)	NM_001098489	plxna3	6.383500668	8.665026441	-2.281525773	5.14E-06
peak_15086	chr3	38347474	38348417	528895	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	5.690496237	7.9720316	-2.281535363	1.93E-06
peak_21306	chr10	21069671	21070175	-282609	Intergenic	NM_200782	kcnip3b	3.878664214	6.160409913	-2.281745699	7.75E-05
peak_17651	chr5	70772759	70773353	-25233	Intergenic	NM_001007401	b4galt4	5.122685838	7.405105791	-2.282419953	1.09E-05
peak_18476	chr14	21471264	21471745	313653	Intergenic	NM_152963	fmr1	3.036020788	5.318633283	-2.282612494	1.76E-05
peak_28466	chr10	28047622	28048147	316271	Intergenic	NM_152948	cxadr	3.920004586	6.20339945	-2.283394864	0.001275
peak_31632	chr8	12459794	12460043	45679	intron (NM_200660, intron 3 of 7)	NM_200660	med27	2.570823028	4.854242012	-2.283418984	0.00311
peak_17455	chr5	60353311	60353812	185229	Intergenic	NM_001002701	tmem136b	4.134662696	6.418398896	-2.2837362	9.46E-06
peak_43256	chr5	44017578	44018042	3042	Intergenic	NR_048926_12		0.639677051	2.923519711	-2.28384266	0.029786
peak_27587	chr3	48422773	48423032	924	intron (NM_001003487, intron 1 of 3)	NM_001003487	tmed1a	2.903852685	5.187901357	-2.284048673	0.000954
peak_29443	chr16	25856961	25857362	86218	Intergenic	NM_131596	adar	2.702019304	4.986075599	-2.284056294	0.001727
peak_41145	chr13	4981621	4982004	-240682	Intergenic	NM_001039639	abcg2c	2.471023015	4.7550944	-2.284071385	0.021811
peak_43198	chr11	30574602	30574981	-12127	Intergenic	NM_001082947	nr0b1	2.664163689	4.948290396	-2.284126707	0.029516
peak_39219	chr16	57629814	57630204	-10344	intron (NM_001039925, intron 11 of 11)	NM_001128260	zgc:172096	2.742004936	5.02613339	-2.284128455	0.015862
peak_39235	chr20	27261618	27261986	-79700	Intergenic	NM_001025551	btbd7	1.66069094	3.945026002	-2.284335062	0.015913
peak_23701	chr8	21806175	21806557	14156	intron (NM_001128269, intron 2 of 7)	NM_001128269	itpr3	3.743647192	6.028045876	-2.284398685	0.000226
peak_23422	chr10	23293443	23293924	-25963	Intergenic	NM_200607	slc25a1a	4.144713902	6.429351612	-2.28463771	0.0002
peak_16179	chr8	31391305	31391753	42317	intron (NM_001123253, intron 1 of 22)	NM_001123253	si:dkey-91m11.5	4.633489897	6.918248062	-2.284758165	4.22E-06
peak_12066	chr24	20542544	20543191	82402	Intergenic	NM_001077372	zgc:153639	6.144366862	8.429464147	-2.285097285	1.43E-07
peak_37783	chr5	3178731	3179210	22161	Intergenic	NR_030090		1.938847741	4.224067628	-2.285219888	0.01223
peak_12059	chr18	23174198	23174959	199997	Intergenic	NM_131301	mef2aa	5.531408268	7.816832684	-2.285424416	1.42E-07
peak_26246	chr12	27810349	27810715	-85600	Intergenic	NM_001258224	opn4b	2.90091206	5.186651353	-2.285739293	0.000599
peak_21664	chr17	38002304	38002977	-39266	Intergenic	NM_001077153	zfp36l1a	4.561542232	6.847379983	-2.285837751	9.25E-05
peak_43092	chr8	29465053	29465704	23587	Intergenic	NM_130972	par1	-0.360322949	1.925699781	-2.28602273	0.028974

peak_10184	chr5	54899924	54900858	-71923	Intergenic	NM_212961	cdk7	6.863395518	9.149585964	-2.286190446	1.91E-08
peak_21810	chr7	57291397	57291965	-70172	Intergenic	NM_212606	cdh15	4.017134431	6.303381576	-2.286247145	9.96E-05
peak_39005	chr5	18455380	18455637	56223	Intergenic	NM_001004640	atad1a	2.570823028	4.857146131	-2.286323103	0.015279
peak_18993	chr6	3972883	3973396	-104805	Intergenic	NM_200247	unc50	4.466115708	6.752595284	-2.286479576	2.37E-05
peak_25195	chr16	14665263	14665664	101540	Intergenic	NM_001029956	u2af2a	3.210458296	5.497013243	-2.286554947	0.000415
peak_14547	chr6	51078599	51079410	-396952	Intergenic	NM_001184955	pigu	5.809993993	8.096592951	-2.286598957	1.29E-06
peak_18836	chr9	21402033	21402645	3852	intron (NM_001159666, intron 1 of 8)	NM_001159666	igsf3	5.056723348	7.34345719	-2.286733842	2.17E-05
peak_20652	chr21	5412363	5413052	4262	exon (NM_001037574, exon 4 of 4)	NM_001037574	zgc:122979	4.045372053	6.332228004	-2.28685595	5.72E-05
peak_15099	chr7	30040446	30041595	-20183	Intergenic	NM_205552	ccdc102a	6.023232051	8.310228086	-2.286996034	1.95E-06
peak_33920	chr6	57734393	57734631	-129408	Intergenic	NM_001076592	zgc:153702	2.834474036	5.121629961	-2.287155925	0.005436
peak_22547	chr10	43961343	43961754	6716	intron (NM_001161732, intron 1 of 17)	NM_001161732	fgfr1b	2.728799148	5.0160804	-2.287281253	0.000138
peak_27733	chr11	42499816	42500252	-344	promoter-TSS (NM_131325_1)	NM_131332_1	pax7a	3.147197703	5.434766463	-2.28756876	0.001004
peak_20424	chr23	38206410	38207059	-46206	Intergenic	NM_001020707	zgc:112994	4.297082589	6.584701167	-2.287618577	5.13E-05
peak_12123	chr10	28169108	28169981	437931	Intergenic	NM_152948	cxadr	5.512211182	7.799890511	-2.287679329	1.51E-07
peak_30125	chr11	33179622	33180155	355613	Intergenic	NM_001160822	pcdh17	3.691748046	5.979450726	-2.28770268	0.002099
peak_18902	chr3	56429455	56429901	-97	promoter-TSS (NM_001099249_1)	NM_001099249_1	zgc:165627	3.735417151	6.023575962	-2.288158811	2.24E-05
peak_30975	chr4	17209776	17210029	59693	intron (NM_001100017, intron 1 of 25)	NM_001100017	anks1b	2.664163689	4.952363888	-2.2882002	0.002604
peak_15162	chr9	41142825	41143571	-58482	Intergenic	NM_001161762	si:zfos-1425h8.1	4.690897074	6.979137303	-2.288240229	2.03E-06
peak_10633	chr24	23868401	23869790	410237	Intergenic	NM_001075111	hnf4g	7.43688714	9.725409978	-2.288522838	3.24E-08
peak_42451	chr13	23474232	23474556	-32111	Intergenic	NM_001077290	khdrbs2	0.653720264	2.942307995	-2.28858773	0.026227
peak_12202	chr11	30908416	30909266	-37043	Intergenic	NM_001007297	ace2	7.009094834	9.297973469	-2.288878634	1.63E-07
peak_22279	chr24	27962497	27963021	94476	Intergenic	NM_001077562	larp4b	4.261855416	6.550925849	-2.289070433	0.000124
peak_43098	chr22	11777270	11777688	-5609	Intergenic	NM_001013566	mettl21a	-0.360322949	1.928789534	-2.289112483	0.028993
peak_21803	chr11	28506330	28506834	73093	Intergenic	NM_001202418	phf2	4.084927414	6.374234495	-2.289307081	9.91E-05
peak_18042	chr20	30131757	30132282	-70819	Intergenic	NM_131337	sox11b	4.874922654	7.164353704	-2.289431049	1.40E-05
peak_30964	chr18	24718550	24719085	15508	exon (NM_001281462, exon 37 of 37)	NM_001045011	rgma	3.348774912	5.638214349	-2.289439438	0.002597
peak_29854	chr11	3442002	3442266	9109	intron (NM_001083015, intron 3 of 5)	NM_001083015	acap3b	2.122017822	4.411482567	-2.289464746	0.001942
peak_38369	chr14	16828446	16828814	648232	Intergenic	NM_001044746	cnga5	0.95594936	3.245478505	-2.289529145	0.013719
peak_20733	chr9	6939065	6939454	29802	Intergenic	NM_001013320	tmem182	3.350931353	5.640476036	-2.289544684	5.94E-05
peak_16650	chr25	737435	738028	83257	intron (NM_001098393, intron 2 of 7)	NM_001098393	zgc:162740	4.360658081	6.650508623	-2.289850543	5.75E-06
peak_16354	chr25	7143075	7143565	339128	Intergenic	NM_001122855	snx33	4.226989601	6.516888428	-2.289898827	4.76E-06
peak_34241	chr9	47201525	47201859	-60646	Intergenic	NM_001039358	hdac4	3.19853316	5.488758894	-2.290225734	0.005828
peak_20606	chr18	43572240	43572668	-41792	Intergenic	NM_001004538	gyltl1b	4.157090365	6.447627843	-2.290537478	5.61E-05
peak_41184	chr4	57063361	57063567	32916	intron (NM_001114585, intron 8 of 15)	NM_001114585	zgc:174944	0.978440673	3.269078026	-2.290637353	0.02196
peak_34175	chr12	26511851	26512301	51676	Intergenic	NM_214736	calm2b	3.309268024	5.600438466	-2.291170441	0.005729
peak_12978	chr7	40493800	40494671	-64327	Intergenic	NM_131070	mdka	5.142189498	7.433606328	-2.29141683	3.45E-07
peak_16402	chr16	7722122	7723471	-84390	Intergenic	NM_001007396	mboat1	5.931937913	8.223461178	-2.291523265	4.92E-06
peak_30120	chr20	34352431	34352844	1157	intron (NM_199279, intron 1 of 14)	NM_199279	ivns1abpa	3.948765246	6.240354581	-2.291589335	0.002093
peak_15180	chr9	8563443	8564213	113947	Intergenic	NM_001045426	zgc:153499	5.385621201	7.677485459	-2.291864257	2.06E-06
peak_10724	chr21	28195228	28196863	54381	Intergenic	NM_001003543	zgc:100829	6.368662153	8.660548103	-2.291885951	3.55E-08
peak_18100	chr1	54785137	54785590	205135	Intergenic	NM_130954	dla	3.387228713	5.679125388	-2.291896675	1.45E-05
peak_39297	chr8	29864687	29865109	116167	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	3.162011373	5.4542773	-2.292265927	0.016056
peak_12119	chr2	48411431	48412482	1146	intron (NM_199980, intron 1 of 5)	NM_199980	itm2cb	5.84569373	8.138079736	-2.292386006	1.50E-07
peak_15068	chr10	17370086	17371918	-31408	Intergenic	NM_001015068	sppl3	7.094289795	9.38697411	-2.292684315	1.90E-06
peak_22095	chr24	33662880	33663341	-14520	Intergenic	NM_131816	neurod6a	4.147197703	6.44007445	-2.292876747	0.000113
peak_17702	chr7	62726311	62726918	3462	intron (NM_001083551, intron 1 of 10)	NM_001083551	rbpjb	5.715889725	8.009173771	-2.293284046	1.13E-05
peak_35198	chr4	20631877	20632236	-21427	Intergenic	NM_001003982	myf6	3.139733435	5.433052521	-2.293319086	0.007185
peak_11477	chr19	32019164	32020060	25790	intron (NM_001044774, intron 1 of 10)	NM_001044774	trit1	7.878461015	10.17179047	-2.293329458	8.08E-08
peak_15245	chr11	2350402	2351003	-19255	Intergenic	NM_001161401	igfbp6a	5.898008447	8.19146219	-2.293453743	2.18E-06
peak_17991	chr13	14335233	14336015	12913	intron (NM_001123058, intron 1 of 9)	NM_001123058	gfra4a	4.529477799	6.8229813	-2.293503502	1.36E-05
peak_16424	chr14	37373491	37374238	-72741	Intergenic	NM_130975	pitx2	5.30933272	7.602888053	-2.293555334	5.00E-06
peak_39867	chr4	21300184	21300467	-945	promoter-TSS (NM_213198)	NM_213198	orc5	0.944570835	3.238299671	-2.293728836	0.017597
peak_19082	chr1	10611753	10612239	258625	Intergenic	NM_001040305	brat1	3.6900456	5.983854908	-2.293809307	2.48E-05
peak_29214	chr5	14551516	14551825	4486	intron (NM_001082797, intron 2 of 3)	NM_001082797	ube2l3b	2.702019304	4.996134911	-2.294115607	0.001615
peak_34883	chr2	46851133	46851427	-408541	Intergenic	NM_201020_1	gpc1b	0.625495796	2.919999057	-2.294503262	0.006687
peak_24006	chr19	10205585	10205862	-60643	Intergenic	NM_001020468	ing4	2.871171366	5.165955914	-2.294784548	0.000257
peak_30161	chr15	7834739	7835423	58447	intron (NM_001113555, intron 1 of 9)	NM_001113555	cadm2b	4.505422924	6.800328855	-2.294905931	0.002117
peak_21831	chr6	48148774	48149582	-44871	Intergenic	NM_182876	wnt2ba	4.290291045	6.585264817	-2.294973772	0.0001
peak_12886	chr8	18006512	18007645	28768	intron (NM_130935, intron 1 of 6)	NM_130935	skia	6.769363205	9.064375551	-2.295012345	3.13E-07
peak_14435	chr14	48969042	48969561	30191	Intergenic	NM_001007367	slu7	5.303188172	7.598234863	-2.295046691	1.20E-06
peak_39492	chr17	11006170	11006501	-16539	Intergenic	NM_214731	dact1	3.057306726	5.352474028	-2.295167302	0.016612
peak_10062	chr14	7650638	7651905	-14571	Intergenic	NM_212777	brd8	7.577242998	9.872423671	-2.295180673	1.66E-08
peak_24811	chr5	42388574	42388885	-29572	Intergenic	NM_130962	isl1	3.540911861	5.836459093	-2.295547232	0.000361
peak_34134	chr12	6605034	6605394	77146	Intergenic	NM_212635	kat7	3.313826142	5.609419804	-2.295593662	0.005687
peak_27532	chr25	35378632	35378989	-13370	Intergenic	NM_001110479	trpm1b	3.674632506	5.970874451	-2.296241945	0.000936
peak_14861	chr20	37635797	37636384	-88913	Intergenic	NM_001030164	hivep2a	5.226402447	7.522864951	-2.296462504	1.64E-06
peak_30714	chr7	15149663	15150050	-18862	Intergenic	NM_001089577	rhcga	4.049438723	6.345903128	-2.296464405	0.002437
peak_41988	chr12	8637845	8638129	95401	Intergenic	NM_001114592	tmem26b	-0.360322949	1.936438058	-2.296761007	0.024616
peak_10725	chr5	17441014	17442436	-151803	Intergenic	NM_001100957	hspb8	7.847401958	10.1442117	-2.296809741	3.55E-08
peak_28575	chr5	46483799	46484046	-21692	Intergenic	NM_199942	fbp1a	2.784293744	5.08115662	-2.296862876	0.001322
peak_19277	chr20	39148480	39148962	-20893	Intergenic	NM_214819	rcan2	4.605660766	6.902765132	-2.297104366	2.74E-05
peak_14116	chr18	41487036	41487598	163155	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	5.458606642	7.755886434	-2.297279792	9.27E-07
peak_20926	chr17	49962556	49962917	44891	intron (NM_001278851, intron 3 of 7)	NM_001017601	fcf1	3.088808875	5.386673367	-2.297864492	6.48E-05
peak_24179	chr6	51173676	51174106	350903	Intergenic	NM_001130610	rbl1	3.28916694	5.587117201	-2.297950261	0.000279
peak_29079	chr1	22827654	22828008	-22650	Intergenic	NM_152975	mab21l2	2.702019304	5.000228346	-2.298209042	0.00155
peak_25526	chr22	39095028	39095499	319222	Intergenic	NM_001017600	polr2h	3.981308804	6.279640525	-2.298331722	0.000467
peak_36514	chr15	15290272	15290708	52171	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	3.363802745	5.662304285	-2.29850154	0.009586
peak_15838	chr3	28513746	28514293	-287205	Intergenic	NM_001005596	rbfox1	4.610221378	6.909553477	-2.299332099	3.36E-06
peak_14919	chr3	33373754	33374578	-63366	Intergenic	NM_001114705	hspb9	5.001353433	7.300730407	-2.299376974	1.69E-06
peak_30986	chr10	695730	696006	-18426	Intergenic	NM_001080607	glis3	2.44299439	4.742457671	-2.299463281	0.00261
peak_30889	chr25	13284634	13285120	33634	intron (NM_001122702, intron 2 of 4)	NM_001122702	LOC569861	3.370319669	5.669901664	-2.299581994	0.002547
peak_10774	chr24	14214330	14215914	70787	intron (NM_131777, intron 2 of 21)	NM_131777	ncoa2	6.387738622	8.688015862	-2.30027724	3.76E-08
peak_25066	chr12	28833908	28834353	19905	Intergenic	NM_199644	arl4d	3.542799588	5.843138446	-2.300338858	0.000397
peak_12785	chr11	30988313	30988803	-49283	Intergenic	NM_001130771	cdkl5	5.461603317	7.762033598	-2.300430281	2.86E-07
peak_21729	chr5	19059501	19060029	-499222	Intergenic	NM_001100015	chfr	4.379793771	6.68030056	-2.300506789	9.53E-05
peak_16872	chr12	24866782	24867215	20424	Intergenic	NM_131784	bambia	4.540911861	6.841501137	-2.300589276	6.56E-06
peak_37244	chr5	19556722	19557021	-2116	Intergenic	NM_001100015	chfr	2.708761012	5.009443498	-2.300682486	0.011104
peak_18874	chr25	12502534	12503230	35966	intron (NM_001256664, intron 1 of 16)	NM_001256664	ntrk3a	4.522798387	6.823530303	-2.300731916	2.21E-05
peak_25875	chr14	3209023	3209421	14134	exon (NM_203420, exon 7 of 20)	NM_203420	bicc2	3.525720463	5.826464776	-2.300744313	0.000526
peak_12580	chr18	5569706	5570406	4248	intron (NM_001110450, intron 2 of 10)	NM_001110450	wash	5.753532991	8.054527527	-2.300994536	2.34E-07
peak_22368	chr9	29594130	29594427	-127948	Intergenic	NM_001044782	zgc:162396	3.389328476	5.69038618	-2.301057704	0.000128
peak_13346	chr14	28273395	28274058	462633	Intergenic	NM_001110457	klhl4	4.418468701	6.719527816	-2.301059115	4.89E-07
peak_22407	chr7	59311143	59311604	32523	intron (NM_001006063, intron 1 of 6)	NM_001006063	ank2b	4.155857485	6.457074049	-2.301216564	0.00013
peak_28139	chr17	26231540	26231768	214982	Intergenic	NM_001080665	fam149b1	2.563403173	4.864737997	-2.301334824	0.001155
peak_15525	chr18	29203950	29204322	-148073	Intergenic	NM_131844	maf	4.306002077	6.607533875	-2.301531798	2.67E-06
peak_24343	chr7	65054796	65055084	237042	Intergenic	NM_131287	sox17	3.014416083	5.316007096	-2.301591013	0.000298
peak_14365	chr12	44266433	44267449	15697	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	6.350693407	8.652539778	-2.301846371	1.12E-06
peak_17917	chr9	2301515	2302351	-27056	Intergenic	NM_201176	atp5g3a	3.674632506	5.976671791	-2.302039285	1.30E-05
peak_17434	chr12	32884395	32885244	-94531	intron (NM_001034980, intron 7 of 7)	NM_131259	tcf7l2	4.471080849	6.773329439	-2.30224859	9.31E-06
peak_12970	chr5	36263370	36264129	-29226	Intergenic	NM_001114845	hexa	5.768960068	8.071229619	-2.302269551	3.40E-07
peak_24286	chr25	28296633	28297121	19821	intron (NM_001245960, intron 3 of 19)	NM_001245960	pot1	4.243401343	6.545690509	-2.302289166	0.000291
peak_25318	chr16	22787752	22788212	-35191	Intergenic	NM_001008631	jazf1b	4.09267992	6.39501961	-2.30233969	0.000436
peak_19384	chr11	40918672	40919271	-482409	Intergenic	NM_001040387	wnt4a	4.427692414	6.730057885	-2.302365471	2.91E-05
peak_19404	chr25	9901599	9902006	-659643	Intergenic	NM_131385	rag2	4.187645218	6.490252295	-2.302607077	2.94E-05
peak_12011	chr12	32741621	32742310	48323	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	5.978830007	8.281457102	-2.302627095	1.36E-07

peak_27026	chr8	20226712	20227336	14653	Intergenic	NM_131271	foxd1	2.64320069	4.945897691	-2.302697001	0.000783
peak_14032	chr14	50916002	50916397	-62853	Intergenic	NM_001002065_1	ppid	5.061998248	7.364712611	-2.302714362	8.66E-07
peak_21186	chr20	26144636	26145038	-49210	Intergenic	NM_001082917	myct1	3.632603848	5.935439091	-2.302835243	7.38E-05
peak_29965	chr2	19541689	19542105	77173	Intergenic	NM_131615	pbx1a	3.28916694	5.592095255	-2.302928314	0.002009
peak_25108	chr17	47432565	47432889	538085	Intergenic	NM_001006009	zgc:103755	3.387228713	5.690428877	-2.303200164	0.000403
peak_19979	chr12	9143046	9143694	-85700	Intergenic	NM_001008634	adoa	4.263000995	6.566234849	-2.303233854	4.07E-05
peak_35944	chr6	45356900	45357195	-73408	Intergenic	NM_001080051	cntn4	1.950271315	4.253600737	-2.303329421	0.008436
peak_14519	chr24	14208672	14209219	64610	intron (NM_131777, intron 2 of 21)	NM_131777	ncoa2	5.576443623	7.879835422	-2.303391798	1.27E-06
peak_17632	chr15	38205874	38206526	7453	intron (NM_131633, intron 1 of 29)	NM_131633	robo2	5.234016866	7.537697514	-2.303680648	1.08E-05
peak_14890	chr7	72887249	72887785	-1493	Intergenic	NM_001020693	gba3	5.577825217	7.881594057	-2.303768839	1.67E-06
peak_14944	chr5	37918149	37919221	10166	intron (NM_131805, intron 1 of 4)	NM_131805	efnb1	5.532358678	7.836136349	-2.303777671	1.73E-06
peak_27566	chr20	24848125	24848481	144342	Intergenic	NM_001044979	epha7	3.374565546	5.678616465	-2.304050919	0.000948
peak_14914	chr25	20273883	20274546	50104	Intergenic	NM_001004622	zgc:101783	5.700279607	8.004337795	-2.304058188	1.69E-06
peak_23144	chr23	22242584	22242844	124061	Intergenic	NM_001136488	phc2a	3.219927938	5.524276845	-2.304348907	0.00018
peak_20439	chr11	4785154	4785777	39211	Intergenic	NM_001077310		4.629002364	6.933700253	-2.304697889	5.16E-05
peak_33273	chr23	1843438	1844279	118276	Intergenic	NM_001076663	rabggta	1.467052111	3.771778438	-2.304726327	0.004669
peak_21615	chr6	4477116	4477581	45148	Intergenic	NM_201285	pou4f1	4.134662696	6.439453153	-2.304790457	9.07E-05
peak_11006	chr16	6774958	6775626	-78174	Intergenic	NM_001002182	zgc:91890	6.70830378	9.013240543	-2.304936763	4.96E-08
peak_20150	chr17	41629129	41629655	49734	Intergenic	NM_199658	insm1b	5.57318781	7.878131643	-2.304943833	4.47E-05
peak_15226	chr15	27146515	27146974	-87507	Intergenic	NM_131216	lhx1a	4.763304282	7.068437203	-2.305132921	2.14E-06
peak_11452	chr16	9781043	9781923	-138402	Intergenic	NM_213342	ddc	7.116203061	9.421668264	-2.305465203	7.83E-08
peak_11363	chr5	16696611	16697355	-210353	Intergenic	NM_183339	tbx1	6.286071128	8.59170228	-2.305631151	7.10E-08
peak_20378	chr6	44236494	44236938	96566	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	3.779405205	6.08507179	-2.305666585	5.04E-05
peak_19139	chr16	2785774	2786324	375954	Intergenic	NM_001162542	adcy3l	4.778604412	7.084274594	-2.305670182	2.56E-05
peak_20366	chr5	45023580	45023918	-65377	Intergenic	NM_001099974	rhobtb2a	3.226989601	5.532719194	-2.305729593	5.01E-05
peak_25329	chr9	2164423	2164776	152818	Intergenic	NM_199480	lnpa	3.527628159	5.833582412	-2.305954253	0.000437
peak_16987	chr2	33712809	33713208	-1869	Intergenic	NM_130988	ptch2	3.768153455	6.074213604	-2.306060149	6.98E-06
peak_34907	chr1	825926	826326	49875	Intergenic	NM_001080690	creg1	3.368192036	5.674332849	-2.306140813	0.006734
peak_17201	chr23	3254767	3255311	168516	Intergenic	NM_131015	mafba	4.339030839	6.64524905	-2.306218211	7.99E-06
peak_10951	chr16	57451632	57452866	-9517	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	7.771489571	10.07771259	-2.306223022	4.63E-08
peak_12014	chr15	45844573	45845254	59935	intron (NM_001278822, intron 1 of 6)	NM_001278822	igsf11	5.713353283	8.019691639	-2.306338357	1.36E-07
peak_15235	chr25	34849505	34850208	-14328	Intergenic	NM_001172680	zgc:136826	5.989982901	8.296497578	-2.306514677	2.16E-06
peak_20882	chr6	50892614	50893080	-210795	Intergenic	NM_001184955	pigu	4.988944759	7.295509639	-2.30656488	6.33E-05
peak_26592	chr16	11519844	11520155	-28371	Intergenic	NM_001114410	ncalda	3.159552967	5.466602015	-2.307049048	0.000673
peak_13290	chr1	52015507	52016412	27968	intron (NM_131897, intron 8 of 12)	NM_131897	meis4.1a	6.31265569	8.619760149	-2.307104459	4.59E-07
peak_17599	chr18	43601740	43602248	-12252	Intergenic	NM_001004538	gyltl1b	4.629054199	6.936582993	-2.307528793	1.06E-05
peak_42949	chr22	4460996	4461295	-21196	Intergenic	NM_001130638	zgc:195170	-0.360322949	1.947562689	-2.307885638	0.028356
peak_31071	chr25	1919190	1919532	-68684	Intergenic	NM_131042_1	fbln1	2.471023015	4.778944046	-2.30792103	0.002665
peak_15202	chr1	52023957	52024389	-21917	intron (NM_131897, intron 9 of 12)	NM_001111157	etaa1	4.656389079	6.96435054	-2.307961461	2.09E-06
peak_19119	chr3	23037617	23038147	82896	Intergenic	NM_001128744	cyb561	5.571366429	7.879513865	-2.308147435	2.54E-05
peak_12419	chr24	2764453	2765431	63522	intron (NM_001105594_1, intron 4 of 5)	NM_001105594_1	fars2	6.710626963	9.018888026	-2.308261064	2.04E-07
peak_14994	chr9	56093585	56094698	-104037	Intergenic	NM_001130697	tmsb4x	5.732136074	8.04043076	-2.308294686	1.79E-06
peak_38074	chr1	70964	71468	-4554	intron (NM_201027, intron 1 of 11)	NM_213402	grtp1a	0.944570835	3.252901915	-2.30833108	0.012937
peak_16014	chr9	33724990	33725483	-7920	Intergenic	NM_001103138	ercc1	3.843780917	6.152123849	-2.308342932	3.80E-06
peak_40195	chr5	70531644	70531897	-36000	intron (NM_001080604, intron 3 of 3)	NM_001256628	si:dkey-251i10.3	2.31603542	4.624476514	-2.308441094	0.018595
peak_11805	chr20	45168560	45169567	465239	Intergenic	NM_001013534	zgc:103511	6.181564593	8.490232219	-2.308667626	1.09E-07
peak_39241	chr8	24933539	24934022	32655	Intergenic	NM_001077283	dclre1b	3.014416083	5.323140986	-2.308724903	0.01594
peak_20227	chr18	11317108	11317577	183142	Intergenic	NM_001013335	zgc:110789	4.48587456	6.79484638	-2.308971819	4.65E-05
peak_26714	chr8	55195533	55196042	-34054	intron (NM_212609, intron 1 of 11)	NM_001256222	LOC553228	3.921456318	6.230441896	-2.308985577	0.000703
peak_31257	chr6	36351996	36352302	-20864	Intergenic	NM_131079	her6	3.19853316	5.507668196	-2.309135036	0.002813
peak_28043	chr6	6523253	6523585	-55875	Intergenic	NM_001014319	zgc:113227	2.981227592	5.290556651	-2.309329059	0.001119
peak_17710	chr9	6072594	6072954	-50738	Intergenic	NM_001159914	st6gal2a	3.68663467	5.995995304	-2.309360634	1.13E-05
peak_13937	chr22	40348455	40349441	-13264	Intergenic	NM_213118	sox2	6.095557646	8.404973707	-2.30941606	7.93E-07
peak_16259	chr5	665878	666536	-124528	Intergenic	NM_001045284_1	thap1	4.681503107	6.990965818	-2.309462711	4.45E-06
peak_11177	chr7	22197518	22198746	63231	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	7.157851398	9.467500776	-2.309649378	5.92E-08
peak_20356	chr7	77000432	77000839	-21514	Intergenic	NM_199916	ppp1cbl	3.438945476	5.748738978	-2.309793502	4.97E-05
peak_11881	chr16	979463	980381	159272	Intergenic	NM_207185	irx1a	6.308778146	8.618596973	-2.309818826	1.19E-07
peak_26261	chr15	7921358	7921731	144910	intron (NM_001113555, intron 1 of 9)	NM_001113555	cadm2b	3.022555809	5.332427609	-2.3098718	0.000601
peak_10605	chr2	39375832	39376955	3632	intron (NM_001256642, intron 1 of 2)	NM_001256642	spsb4a	7.769161651	10.07915038	-2.309988732	3.10E-08
peak_11238	chr10	10185218	10186253	109715	Intergenic	NR_029938		6.835493104	9.145551335	-2.310058231	6.26E-08
peak_29243	chr4	15845672	15845983	46670	Intergenic	NM_001018679	gys2	1.812734601	4.123125838	-2.310391237	0.001634
peak_26275	chr7	55384681	55385079	159284	intron (NM_173218, intron 2 of 28)	NM_200845	rps17	3.403941868	5.714342148	-2.310400281	0.000604
peak_14556	chr13	49808687	49809126	-83053	Intergenic	NM_001003463	ntpcr	4.033337828	6.3440067	-2.310668872	1.30E-06
peak_18362	chr9	14553554	14554010	-168702	Intergenic	NM_001040366	prkag3b	3.889089251	6.19999083	-2.310901579	1.67E-05
peak_39788	chr23	37825153	37825465	-83566	Intergenic	NM_131881	irx7	0.215200887	2.526228151	-2.311027264	0.01735
peak_16449	chr18	35586443	35586990	5156	exon (NM_131720, exon 2 of 3)	NM_131720	six4.3	4.856738313	7.16780782	-2.311069507	5.09E-06
peak_15026	chr6	53393821	53395184	-14935	Intergenic	NM_213481_1	gnb1b	6.302631231	8.613720739	-2.311089508	1.85E-06
peak_24334	chr23	22635236	22635654	73929	intron (NM_001123053, intron 2 of 24)	NM_001123053	rap1gap	4.102952214	6.41408119	-2.311128976	0.000297
peak_25198	chr12	41330742	41331220	979580	Intergenic	NM_001099246	abca5	3.637911999	5.949258843	-2.311346845	0.000416
peak_37956	chr15	26926072	26926447	-54984	Intergenic	NM_001110296	brip1	2.350931353	4.662485738	-2.311554385	0.012639
peak_15381	chr17	21481252	21481812	132635	Intergenic	NM_001115098	hmx2	4.94238562	7.254040492	-2.311654872	2.38E-06
peak_34327	chr13	45451259	45451713	-795	promoter-TSS (NM_001130654)	NM_001130654	si:dkeyp-2e4.6	3.006230172	5.318075889	-2.311845717	0.005948
peak_24944	chr21	43219067	43219447	48668	Intergenic	NM_200581	ammecr1	3.576470503	5.888413363	-2.31194286	0.00038
peak_20397	chr15	18816605	18816898	16651	intron (NM_212634, intron 1 of 15)	NM_212634	alcamb	2.961605146	5.273564292	-2.311959146	5.08E-05
peak_16053	chr5	39624551	39625121	-16028	Intergenic	NM_001100959	si:dkey-111e8.4	4.071837003	6.384052096	-2.312215093	3.91E-06
peak_26877	chr13	29801355	29801711	58816	Intergenic	NM_001145571	chst3a	3.525720463	5.837982406	-2.312261943	0.000746
peak_14432	chr18	37337835	37338457	15548	Intergenic	NM_200630	arpp19a	5.304857706	7.617126019	-2.312268314	1.20E-06
peak_22862	chr5	30579157	30579482	-32401	Intergenic	NM_001089376	stxbp1b	3.275608918	5.588129988	-2.31252107	0.000158
peak_30942	chr16	35061612	35061878	10687	Intergenic	NM_001114427	zgc:172323	2.748562774	5.061153638	-2.312590863	0.002583
peak_15541	chr16	1008180	1008824	187852	Intergenic	NM_207185	irx1a	5.260742381	7.57334269	-2.312600309	2.70E-06
peak_13660	chr19	17330180	17331269	42333	intron (NM_001039524, intron 3 of 7)	NM_001039524	zfpm2b	6.640791967	8.953393075	-2.312601108	6.36E-07
peak_41209	chr4	35108692	35109334	270218	Intergenic	NM_001115108	zgc:174273	0.215200887	2.527803789	-2.312602902	0.022038
peak_19496	chr8	52918459	52918933	-73990	Intergenic	NM_001002647	egr3	4.400822864	6.713464708	-2.312641845	3.08E-05
peak_19667	chr9	49420716	49421483	18627	intron (NM_001194987, intron 1 of 80)	NM_001194987	lrp2a	5.438438561	7.751287593	-2.312849031	3.42E-05
peak_25846	chr8	16228329	16228787	282315	intron (NM_001017754, intron 4 of 4)	NM_001017754	agbl4	3.440971353	5.753865269	-2.312893916	0.000521
peak_18113	chr10	24822833	24823205	-107	promoter-TSS (NM_001008585)	NM_001008585	slc43a2b	4.057383766	6.370357263	-2.312973497	1.46E-05
peak_34632	chr13	48872765	48873126	-86625	Intergenic	NM_001098262	zmp:000000113	2.320443851	4.633462151	-2.3130183	0.006355
peak_21071	chr7	48158117	48158555	232489	Intergenic	NM_001195407	tshz3b	4.379793771	6.692836332	-2.313042561	6.94E-05
peak_17096	chr20	678605	679120	-131	promoter-TSS (NM_001040331)	NM_001040331	nrl	4.821359569	7.134459858	-2.313100289	7.48E-06
peak_22293	chr17	37211578	37212014	-55747	Intergenic	NM_001018140	dnmt3ab	4.292536631	6.605640845	-2.313104215	0.000124
peak_38928	chr8	3404598	3405127	39181	Intergenic	NM_001008604	zgc:103510	4.197335207	6.510567274	-2.313232066	0.015068
peak_34507	chr1	60261755	60262413	1184	intron (NM_001190758, intron 1 of 63)	NM_001190758	col5a3b	3.935977657	6.249612106	-2.313634448	0.006201
peak_23958	chr18	26467832	26468087	189972	Intergenic	NM_001007395	def8	2.978440673	5.292126442	-2.313685769	0.000252
peak_32344	chr16	43501882	43502148	-118041	Intergenic	NM_131442	gbp	2.238682765	4.552389743	-2.313706978	0.003733
peak_14024	chr2	49798527	49799288	-188993	Intergenic	NM_001277094	rorcb	6.013015265	8.326889275	-2.31387401	8.60E-07
peak_18003	chr10	37068594	37069483	166541	Intergenic	NM_001007431	katnal1	5.379824576	7.693705236	-2.313880661	1.37E-05
peak_32557	chr14	6709743	6710432	-202798	Intergenic	NM_131444	gnb2l1	3.875671743	6.189675131	-2.314003388	0.003941
peak_28332	chr9	28130515	28130886	-232498	Intergenic	NM_001126402	si:rp71-84d19.3	2.570823028	4.885020498	-2.314197471	0.001225
peak_13551	chr8	41505394	41506430	-53637	Intergenic	NM_001013516	msi1	6.040723481	8.354947466	-2.314223985	5.77E-07
peak_20577	chr24	4964910	4965333	88331	Intergenic	NM_130933	zic1	3.935893853	6.250128876	-2.314235023	5.53E-05
peak_21829	chr9	29435373	29436093	-3354	Intergenic	NM_001044766	klf7b	4.650273334	6.964727073	-2.314453739	0.0001
peak_16167	chr1	14857888	14858394	50723	intron (NM_001020560, intron 1 of 5)	NM_001020560_1	tusc3	3.890572412	6.205152135	-2.314579723	4.19E-06
peak_21949	chr14	33546791	33547276	-72288	Intergenic	NM_001039135	inppl1b	3.490829325	5.805494026	-2.314664701	0.000107
peak_26260	chr6	11684499	11685340	13189	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	3.698537809	6.013365414	-2.314827605	0.0006
peak_18016	chr8	3941171	3941685	97135	Intergenic	NM_001003548	rab35b	4.565315894	6.880203862	-2.314887968	1.38E-05

peak_43506	chr3	50802067	50802369	-2352	Intergenic	NM_207063	asf1ba	-0.360322949	1.954649331	-2.31497228	0.030804
peak_22691	chr10	20582846	20583214	35175	Intergenic	NM_001002211	ppapdc1b	3.166915653	5.482096968	-2.315181314	0.000147
peak_24501	chr3	17480773	17481252	-70471	Intergenic	NM_200316	ttc25	4.181599935	6.496946219	-2.315346284	0.000317
peak_10681	chr19	23713028	23714110	22498	intron (NM_001004287, intron 2 of 16)	NM_001004287	grb10a	7.117796149	9.433364007	-2.315567858	3.41E-08
peak_31039	chr20	8740339	8740842	-143541	Intergenic	NM_001040685	dab1a	3.788980206	6.104585789	-2.315605583	0.002648
peak_24254	chr18	46308849	46309228	-311460	Intergenic	NM_001037706	smtla	4.015775897	6.33150544	-2.315729542	0.000288
peak_19138	chr25	30531049	30531849	-77958	Intergenic	NM_212987	ube2q2	4.483968127	6.80000881	-2.316040682	2.55E-05
peak_21217	chr5	57613283	57613826	-64474	Intergenic	NM_131207	lhx1b	4.350931353	6.667347142	-2.316415789	7.46E-05
peak_21898	chr24	17098570	17098925	2636	intron (NM_001271670, intron 1 of 18)	NM_001271670	sema5a	3.164465597	5.480978601	-2.316513004	0.000104
peak_14074	chr5	51523622	51524151	-3687	Intergenic	NM_131180	nr2f1a	4.228163191	6.544772822	-2.316609631	8.99E-07
peak_13909	chr15	20993636	20994145	18219	Intergenic	NM_001130665	ankk1	4.66161059	6.978238913	-2.316628323	7.77E-07
peak_24329	chr3	60365681	60366028	22038	intron (NM_205564, intron 2 of 4)	NM_205564	cdr2l	3.544684847	5.861336938	-2.316652091	0.000296
peak_32915	chr9	34512578	34512880	-1833	Intergenic	NM_152941	caska	3.073219981	5.389960088	-2.316740106	0.004304
peak_27473	chr25	37930953	37931365	166902	intron (NM_200913, intron 8 of 8)	NM_200913	wwox	3.385125888	5.70191106	-2.316785172	0.000916
peak_37582	chr5	31613578	31613830	-14933	Intergenic	NR_030053		2.912638768	5.229542119	-2.316903351	0.011818
peak_21226	chr6	55996364	55996806	-27705	Intergenic	NM_001004558	eya2	4.374503711	6.691472541	-2.31696883	7.47E-05
peak_11561	chr22	11281001	11281783	27089	intron (NM_205626, intron 7 of 12)	NM_205626	bcor	6.08879003	8.405879433	-2.317089403	8.75E-08
peak_22301	chr2	43440805	43441132	-129391	Intergenic	NM_205674	nrp1b	3.104231123	5.421369313	-2.31713819	0.000125
peak_34300	chr19	34669972	34670674	-30671	Intergenic	NM_001003604	fam92a1	2.525720463	4.843282821	-2.317562358	0.005909
peak_10492	chr9	10756420	10757806	-160622	Intergenic	NM_131834	cxcr4b	7.293962869	9.61155644	-2.317593571	2.71E-08
peak_27221	chr7	71042107	71042552	22829	intron (NM_001128544, intron 5 of 24)	NM_001128544	si:dkey-119o24.1	3.700230269	6.017935102	-2.317704834	0.000838
peak_30572	chr24	20524363	20524652	100762	Intergenic	NM_001077372	zgc:153639	3.250281917	5.568062423	-2.317780506	0.002353
peak_21376	chr10	32253071	32253720	18428	Intergenic	NM_200398	tmem218	4.718766161	7.036747733	-2.317981572	8.06E-05
peak_23881	chr9	45290496	45290875	64888	intron (NM_001089474, intron 2 of 12)	NM_001089474	cerkl	3.33794409	5.655958063	-2.318013973	0.000245
peak_17015	chr8	32187873	32188538	28981	Intergenic	NM_205691	gadd45g	5.152152513	7.470245259	-2.318092745	7.09E-06
peak_21543	chr6	4830361	4831029	398495	Intergenic	NM_201285	pou4f1	5.312623417	7.630727427	-2.318104009	8.73E-05
peak_15825	chr6	13407698	13408386	-8002	Intergenic	NM_200497	gmppab	5.122091483	7.440224967	-2.318133485	3.32E-06
peak_24165	chr11	26743138	26744033	19682	intron (NM_130938, intron 1 of 7)	NM_130938	skib	5.562527284	7.880734254	-2.31820697	0.000277
peak_14409	chr7	35010704	35011647	7098	intron (NM_131780, intron 4 of 19)	NM_131780	gro1	4.795374608	7.113766366	-2.318391758	1.16E-06
peak_14803	chr23	9400858	9401338	26126	Intergenic	NM_001002641	acss2	5.023907976	7.342395178	-2.318487201	1.58E-06
peak_28885	chr4	329625	330114	7231	intron (NM_001024627, intron 2 of 3)	NM_001024627	pthlha	3.261922272	5.580541973	-2.318619701	0.001458
peak_13002	chr7	70626161	70626782	-195376	Intergenic	NM_199682	ap1g1	5.47207183	7.791128779	-2.319056949	3.53E-07
peak_17001	chr22	23082549	23083034	4086	intron (NM_131463, intron 2 of 11)	NM_131463	nr5a2	4.518967649	6.83825814	-2.319290491	7.05E-06
peak_11101	chr3	17537418	17538261	64292	Intergenic	NM_001003433	nkiras2	5.943457799	8.262822096	-2.319364297	5.48E-08
peak_29257	chr10	27779513	27779815	48051	intron (NM_152948, intron 2 of 7)	NM_152948	cxadr	3.748562774	6.06812547	-2.319562695	0.001643
peak_15624	chr18	8518500	8519243	-38107	Intergenic	NM_001128343	grm3	5.705344933	8.024945926	-2.319600993	2.85E-06
peak_24620	chr9	50749536	50750000	-152848	Intergenic	NM_200132	scn1a	4.40912527	6.728740389	-2.319615119	0.000332
peak_26431	chr20	34938464	34938730	920	intron (NM_131435, intron 1 of 7)	NM_131435	snap25a	2.33794409	4.657617432	-2.319673342	0.000637
peak_23642	chr13	31049986	31050512	22249	Intergenic	NM_178307	cxcl12a	4.406017464	6.725750645	-2.319733181	0.000219
peak_13710	chr3	14424757	14425236	51939	intron (NM_001040248, intron 2 of 10)	NM_001040248	nfixb	4.787435225	7.10742179	-2.319986565	6.62E-07
peak_20863	chr24	20091664	20091999	23828	exon (NM_001003846, exon 2 of 19)	NM_001003846	sulf1	2.95594936	5.276087482	-2.320138122	6.28E-05
peak_29080	chr8	50451614	50451927	-310487	Intergenic	NM_001128741	zgc:195023	3.186367739	5.5066369	-2.320269162	0.00155
peak_31938	chr17	26696085	26696449	26530	Intergenic	NM_199805	jade1	3.521897487	5.842186928	-2.320289441	0.003375
peak_25337	chr15	47395873	47396224	14520	Intergenic	NM_001080683	cep57	2.533336158	4.853639687	-2.320303529	0.000439
peak_31625	chr5	43914620	43915010	15628	3' UTR (NM_131052, exon 9 of 9)	NM_131052	tbx6	3.365936857	5.686366996	-2.320430139	0.0031
peak_25298	chr11	25648196	25648852	-14381	Intergenic	NM_001080005	zgc:153953	3.17667448	5.497122264	-2.320447784	0.000432
peak_35252	chr19	47081099	47081680	22898	Intergenic	NM_200669	ptpn12	3.782697136	6.103373113	-2.320675976	0.007269
peak_20795	chr14	2098185	2098647	-1189	Intergenic	NM_001111171	etf1a	2.822091642	5.142882994	-2.320791352	6.09E-05
peak_26024	chr21	40279547	40280097	55622	intron (NM_001030122, intron 2 of 8)	NM_001030122	ppp2r2bb	2.981227592	5.302090233	-2.320862641	0.000554
peak_16133	chr13	5751924	5752781	6966	TTS (NM_130955)	NM_130955	dld	4.782650538	7.103818874	-2.321168336	4.10E-06
peak_21811	chr14	41256556	41256896	437908	Intergenic	NM_001127519	pcdh19	2.712120089	5.033321541	-2.321201453	9.96E-05
peak_21468	chr5	22907051	22907446	-20349	intron (NM_001039926, intron 1 of 1)	NM_201186	cds2	3.498630944	5.819936244	-2.321305299	8.41E-05
peak_22130	chr4	5824002	5824518	102782	intron (NM_001030082, intron 17 of 20)	NM_001159823	lyrm5a	3.650222256	5.971545163	-2.321322907	0.000115
peak_13785	chr23	46043717	46044958	404	exon (NM_212930, exon 1 of 8)	NM_212930	ednrab	7.814114354	10.13560503	-2.321490672	6.98E-07
peak_35593	chr20	8886634	8887156	-289846	Intergenic	NM_001040685	dab1a	3.753461665	6.074988094	-2.321526429	0.007835
peak_37773	chr15	28123418	28123869	-97105	Intergenic	NM_200018	blmh	2.784293744	5.106200753	-2.321907009	0.012213
peak_28789	chr1	48975148	48975420	646558	Intergenic	NM_001077556	ccdc147	2.434885166	4.756837351	-2.321952185	0.001413
peak_18648	chr20	671013	671730	-7622	Intergenic	NM_001040331	nrl	4.660741649	6.982709925	-2.321968276	1.93E-05
peak_21624	chr6	7595980	7596488	7175	exon (NM_001080169, exon 6 of 17)	NM_001080169	ubn2	4.436916749	6.759106847	-2.322190098	9.10E-05
peak_15972	chr8	8284110	8284545	7426	intron (NM_001123302, intron 4 of 4)	NM_001123302	zgc:113363	4.09910867	6.421374747	-2.322266077	3.70E-06
peak_18664	chr18	5165107	5166275	71913	Intergenic	NM_001013457	gcsha	5.695571219	8.017881662	-2.322310443	1.95E-05
peak_12220	chr16	31475736	31476328	29342	Intergenic	NM_200071	rhbg	6.350693407	8.673017073	-2.322323666	1.66E-07
peak_10167	chr13	3441894	3443576	148404	Intergenic	NM_201129	ncoa4	7.638905106	9.961298824	-2.322393718	1.87E-08
peak_14160	chr3	28279486	28280247	-53052	Intergenic	NM_001005596	rbfox1	5.04407874	7.366871349	-2.322792608	9.55E-07
peak_13329	chr8	21012789	21013265	-13313	Intergenic	NM_001003563	zgc:101100	4.569951633	6.892750141	-2.322798508	4.79E-07
peak_17975	chr24	21904738	21905144	-37544	Intergenic	NM_001005393	boc	3.630830115	5.953810826	-2.32298071	1.35E-05
peak_43664	chr3	4519873	4520232	344434	intron (NM_001114711_1, intron 6 of 6)	NM_001130791	plbd1	1.243333623	3.566471954	-2.323138332	0.031536
peak_19910	chr4	2773123	2773387	43082	Intergenic	NM_213494	aebp2	3.295898468	5.619086324	-2.323187855	3.90E-05
peak_23922	chr7	38925693	38926039	88528	Intergenic	NM_001043333	nkd1	3.273336808	5.596564484	-2.323227676	0.000249
peak_15033	chr18	23819974	23820871	-161357	Intergenic	NM_131183	nr2f2	6.533796963	8.857457789	-2.323660826	1.86E-06
peak_28331	chr1	54951860	54952298	209558	Intergenic	NM_001145690	tekt4	3.787388779	6.111200462	-2.323811683	0.001225
peak_14407	chr24	11412275	11413032	-134454	intron (NM_205728, intron 4 of 14)	NM_213449	prpf4bb	6.216366853	8.540181473	-2.32381462	1.16E-06
peak_29599	chr22	17073746	17074056	92914	intron (NM_001079962, intron 10 of 10)	NM_001099263	tm2d1	3.124540972	5.448467581	-2.323926609	0.001802
peak_12630	chr23	2618004	2618863	-91433	Intergenic	NM_130989	snai1b	5.398218533	7.722493894	-2.324275361	2.45E-07
peak_14824	chr6	25613348	25613848	73988	Intergenic	NM_212689	lmo4b	4.645837784	6.970181371	-2.324343588	1.60E-06
peak_38638	chr5	33158295	33158824	-51026	Intergenic	NM_198982	p2rx1	2.247969535	4.57246219	-2.324492654	0.014304
peak_22037	chr19	36274307	36274748	16273	intron (NM_001044925, intron 10 of 21)	NM_001044925	elp2	3.738714804	6.063258499	-2.324543695	0.000111
peak_12681	chr19	14871173	14872060	-1810	Intergenic	NM_201091	lin28a	5.910876697	8.235650096	-2.324773399	2.58E-07
peak_28020	chr16	35060141	35060873	9449	Intergenic	NM_001114427	zgc:172323	4.748562774	7.073396735	-2.324833961	0.001111
peak_13853	chr21	12344139	12344781	280714	Intergenic	NM_001025182	stxbp1a	4.953822712	7.278667261	-2.32484455	7.44E-07
peak_12331	chr6	50408736	50410134	6330	Intergenic	NM_001126109	mych	6.40501031	8.72986301	-2.324852699	1.86E-07
peak_22452	chr10	45769735	45770313	-10510	Intergenic	NM_001123007	npm2	4.377741773	6.702618314	-2.324876541	0.000133
peak_38722	chr20	39919114	39919463	-104543	Intergenic	NM_001082853	rnf217	3.057306726	5.382226315	-2.324919589	0.014515
peak_26234	chr7	55938016	55938406	-27494	intron (NM_001077575, intron 12 of 12)	NM_001128270	LOC796180	3.581988855	5.907057537	-2.325068682	0.000596
peak_26914	chr5	60892813	60893148	-39598	Intergenic	NM_001017896	prkrip1	3.655466094	5.98056377	-2.325097676	0.000759
peak_14307	chr13	54015709	54016526	-30858	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	6.898929889	9.224295935	-2.325366047	1.07E-06
peak_21236	chr25	8375903	8376322	47363	Intergenic	NM_178306	tph1a	3.557813132	5.883274594	-2.325461462	7.51E-05
peak_20013	chr1	50605424	50605800	13089	intron (NM_001145580, intron 1 of 12)	NM_001145580	npnt	3.678071896	6.003844922	-2.325773026	4.16E-05
peak_27948	chr1	35773390	35773722	79530	Intergenic	NM_001077565	zgc:152968	4.008963973	6.334985224	-2.32602125	0.001086
peak_17791	chr9	7603816	7604288	14003	intron (NM_001130588, intron 2 of 22)	NM_001130588	ptprna	5.091390725	7.417742398	-2.326351673	1.20E-05
peak_34029	chr10	43607244	43607743	55521	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	4.309268024	6.635843549	-2.326575525	0.005553
peak_16634	chr15	26953888	26954426	-82882	Intergenic	NM_001110296	brip1	3.92580277	6.252682897	-2.326880128	5.69E-06
peak_10139	chr23	7724185	7725124	-40958	Intergenic	NM_205718	pofut1	8.011823218	10.33875765	-2.326934429	1.82E-08
peak_12237	chr4	2661799	2663165	-72344	Intergenic	NM_001044997	slco1c1	5.617404898	7.944512941	-2.327108043	1.68E-07
peak_24870	chr5	31384188	31384480	4362	TTS (NM_001017712)	NM_001017712	barhl1a	3.428773195	5.755990382	-2.327217187	0.00037
peak_13778	chr20	30427942	30428659	23534	Intergenic	NM_001002659	rnaseh1	4.867366357	7.194855047	-2.32748869	6.95E-07
peak_17714	chr11	34549411	34550097	-94923	Intergenic	NM_001024389	lims1	3.798584256	6.126239855	-2.327655599	1.14E-05
peak_21446	chr14	30404159	30404587	-240658	Intergenic	NM_001045414	zgc:153146	3.8361042	6.163796592	-2.327692392	8.31E-05
peak_20587	chr9	11968427	11968885	-15939	Intergenic	NM_199888	zc3h15	4.144641387	6.472384325	-2.327742937	5.56E-05
peak_9423	chr20	46389439	46390654	42474	Intergenic	NM_131360	bmp2b	7.528062995	9.85659034	-2.328527344	7.58E-09
peak_35644	chr17	38512720	38513071	49495	Intergenic	NM_001256179	mbip	3.19853316	5.52716895	-2.328635789	0.007908
peak_13899	chr15	10301173	10301839	122891	Intergenic	NM_001002694	prcp	5.397175482	7.725816658	-2.328641175	7.69E-07
peak_38381	chr12	49299033	49299439	122768	Intergenic	NM_198811	pald1a	2.247969535	4.576788395	-2.32881886	0.013749
peak_28925	chr23	1819638	1819971	94222	Intergenic	NM_001076663	rabggta	2.451058288	4.780162868	-2.329104581	0.001479
peak_41505	chr12	15431082	15431509	-82584	Intergenic	NM_200872	becn1	-0.360322949	1.968954665	-2.329277614	0.022943

peak_41506	chr13	15443025	15443302	90787	Intergenic	NM_001089342	loxl3b	-0.360322949	1.968954665	-2.329277614	0.022943
peak_18258	chr9	8150965	8151383	-287408	Intergenic	NM_001109720	zgc:171776	3.989636937	6.319242023	-2.329605086	1.58E-05
peak_26752	chr11	23654747	23655320	195930	Intergenic	NM_212732	mdm4	4.465062553	6.79486874	-2.329806187	0.000716
peak_33259	chr18	29194083	29194630	-157853	Intergenic	NM_131844	maf	2.31603542	4.645928633	-2.329893213	0.004658
peak_18433	chr11	39347914	39348591	-7326	Intergenic	NR_034195		5.314866759	7.644831591	-2.329964831	1.72E-05
peak_10230	chr5	44531087	44532287	139	5' UTR (NM_001014335, exon 1 of 13)	NM_001014335	rufy3	7.164321272	9.494371105	-2.330049833	2.01E-08
peak_25242	chr8	52908798	52909213	-83681	Intergenic	NM_001002647	egr3	3.229335828	5.559399858	-2.33006403	0.000423
peak_42081	chr18	9682121	9682594	76433	Intergenic	NM_001100024	LOC566572	3.006230172	5.336329114	-2.330098942	0.024942
peak_15318	chr19	39170108	39171001	1315	intron (NM_001122760, intron 1 of 26)	NM_001122760	thsd7a	5.739973482	8.070172073	-2.330198591	2.30E-06
peak_21970	chr20	375555	375968	25883	intron (NM_001029969, intron 3 of 13)	NM_001029969	fynb	3.809602052	6.139893298	-2.330291245	0.000107
peak_23347	chr8	50274950	50275619	218519	Intergenic	NM_001128254	mfn2	4.091390725	6.422061094	-2.330670368	0.000193
peak_21334	chr20	15405912	15406253	-152526	Intergenic	NM_199987	jun	3.603853576	5.934597691	-2.330744115	7.85E-05
peak_22194	chr22	22156215	22156981	10636	intron (NM_200423, intron 1 of 6)	NM_200423	aes	4.86204007	7.192892845	-2.330852775	0.000118
peak_17341	chr10	22770254	22770836	-64291	Intergenic	NM_001111177	zgc:172339	4.370257652	6.701233392	-2.33097574	8.72E-06
peak_15642	chr9	47636890	47637393	-20610	Intergenic	NM_131069	cx43.4	4.935217321	7.266455298	-2.331237976	2.89E-06
peak_15116	chr3	62675494	62675941	73287	Intergenic	NM_001105129	srebf1	4.452063113	6.783303559	-2.331240446	1.97E-06
peak_24283	chr5	37234347	37234674	55271	intron (NM_001083123, intron 3 of 7)	NM_001083123	ar	2.548447992	4.879763623	-2.331315631	0.000291
peak_9369	chr5	54913125	54914315	-73241	Intergenic	NM_001020519	slc14a2	7.557957039	9.889358663	-2.331401624	7.02E-09
peak_13499	chr7	50036747	50037706	24396	intron (NM_001123242, intron 2 of 17)	NM_001123242	kcnq1	6.602762522	8.934584277	-2.331821755	5.54E-07
peak_22283	chr11	42171879	42172276	32340	Intergenic	NM_001007408	ccdc114	3.918551392	6.250485249	-2.331933857	0.000124
peak_16891	chr7	45090394	45090848	-329810	Intergenic	NM_131214	cdh11	3.777803175	6.109759792	-2.331956617	6.63E-06
peak_17007	chr7	22155372	22156135	20852	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	5.814321122	8.146430943	-2.33210982	7.06E-06
peak_24479	chr25	14713815	14714216	-19836	Intergenic	NM_001099422	exoc3l1	3.937329692	6.269523671	-2.332193979	0.000313
peak_31466	chr16	8527026	8527325	71500	Intergenic	NM_200335	med18	1.831388386	4.163606007	-2.332217621	0.00297
peak_32673	chr17	2861848	2862180	-38945	Intergenic	NM_001040251	zgc:136872	2.883141315	5.215458808	-2.332317493	0.004054
peak_13667	chr1	12581075	12581617	271552	Intergenic	NM_199219	elf2b	5.196066283	7.528451163	-2.33238488	6.39E-07
peak_19031	chr24	6366457	6366972	-23002	Intergenic	NM_205579	myo3a	5.128982548	7.461731549	-2.332749001	2.43E-05
peak_18396	chr7	69227045	69227390	-76800	Intergenic	NM_001007441	znf143a	3.596602092	5.929436798	-2.332834706	1.69E-05
peak_17362	chr18	39666969	39667324	12831	intron (NM_212831, intron 1 of 13)	NM_212831	veph	3.583823625	5.916675359	-2.332851734	8.91E-06
peak_18666	chr12	32706149	32706648	83890	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	3.106785545	5.439676738	-2.332891192	1.95E-05
peak_26406	chr4	6236185	6236490	-22396	Intergenic	NM_001166228	dock4b	3.157090365	5.490148124	-2.333057759	0.000633
peak_9947	chr9	8489727	8491241	40603	Intergenic	NM_001045426	zgc:153499	7.427835005	9.760894397	-2.333059392	1.48E-08
peak_24700	chr16	21491300	21491706	-2417	Intergenic	NM_205550	sp8b	3.90833784	6.241953981	-2.333616141	0.000345
peak_13541	chr5	41955865	41956705	31354	intron (NM_001100033, intron 1 of 4)	NM_001100033	arl15a	5.814711783	8.148415094	-2.33370331	5.73E-07
peak_21345	chr25	34407301	34407537	153032	Intergenic	NM_001089422	zgc:162595	2.722150645	5.055881749	-2.333731104	7.90E-05
peak_26602	chr7	14061991	14062235	127678	intron (NM_001245957, intron 4 of 10)	NM_001082864	sdhaf2	2.625495796	4.959336834	-2.333841038	0.000676
peak_28674	chr3	29041537	29042261	-18040	Intergenic	NM_001006058	fam86a	3.539021661	5.873022855	-2.334001193	0.001359
peak_15869	chr21	41017143	41017895	241083	Intergenic	NM_001256250	gabrg2	5.618326439	7.952366214	-2.334039775	3.44E-06
peak_24599	chr23	6681159	6681522	10691	exon (NM_001110127, exon 4 of 4)	NM_001020520	mipb	3.295898468	5.630224024	-2.334325556	0.000329
peak_11958	chr7	66433133	66433848	102951	Intergenic	NM_001077722	tpcn2	5.299285064	7.633714852	-2.334429788	1.29E-07
peak_18443	chr1	30762606	30763457	95545	Intergenic	NM_178296	gli1	5.104870153	7.439310469	-2.334440316	1.73E-05
peak_18465	chr24	10329552	10330082	115579	Intergenic	NM_131412	myca	4.516087906	6.850974419	-2.334886513	1.75E-05
peak_18670	chr12	38579637	38580246	70114	Intergenic	NM_001080568	hs3st3b1b	4.4631284	6.798061583	-2.334933182	1.96E-05
peak_12916	chr5	6532368	6533037	20252	Intergenic	NM_001013333	zgc:110796	5.504967087	7.839929504	-2.334962416	3.22E-07
peak_11027	chr3	24538923	24539538	27581	Intergenic	NM_001037381	zgc:123244	6.400577824	8.73561065	-2.335032826	5.06E-08
peak_18326	chr9	29218904	29219292	-46980	Intergenic	NM_131134	fzd5	3.848367416	6.183808525	-2.335441109	1.64E-05
peak_40473	chr23	33067182	33067823	436381	Intergenic	NM_200286	taf8	3.481017596	5.816510832	-2.335493236	0.019502
peak_12318	chr12	33019043	33019686	90271	intron (NM_001034980, intron 5 of 7)	NM_001034980	vti1a	5.521363052	7.856949832	-2.33558678	1.82E-07
peak_20204	chr13	17579396	17580717	62617	Intergenic	NM_198840	znf503	5.02454418	7.360154419	-2.335610239	4.60E-05
peak_14104	chr5	36434866	36435737	-164915	Intergenic	NM_213129	ankra2	5.173667468	7.50952128	-2.335853811	9.17E-07
peak_26110	chr3	30535249	30535576	103770	Intergenic	NM_214766	med25	3.20331505	5.539236612	-2.335921562	0.000572
peak_19561	chr16	52528833	52530112	481844	Intergenic	NM_001110524	brd2b	5.445548636	7.781728742	-2.336180106	3.20E-05
peak_29110	chr20	12280269	12280618	774601	Intergenic	NM_173267	ints7	1.459077363	3.795302492	-2.336225129	0.001563
peak_17878	chr12	44164605	44164960	117856	intron (NM_001080602, intron 10 of 15)	NM_001080602	ebf3	3.875671743	6.211922864	-2.336251121	1.26E-05
peak_19906	chr16	23434027	23434468	-75337	Intergenic	NM_001001947	dfna5	4.266432285	6.602815727	-2.336383442	3.89E-05
peak_11337	chr20	28936665	28937920	20517	intron (NM_001044755, intron 2 of 6)	NM_001044755	si:dkey-11e23.5	7.604890165	9.9416562	-2.336766035	6.93E-08
peak_18110	chr20	50650967	50651995	-99820	Intergenic	NM_001144797	LOC569213	5.308745787	7.645658194	-2.336912408	1.46E-05
peak_13960	chr21	36659527	36659995	-77250	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	4.92507927	7.262218	-2.33713873	8.15E-07
peak_30162	chr17	22562071	22562459	-27961	Intergenic	NM_173285	ttc27	3.664163689	6.001341806	-2.337178117	0.002117
peak_18855	chr13	49677932	49678468	47653	Intergenic	NM_001003463	ntpcr	5.197899364	7.535386137	-2.337486772	2.19E-05
peak_27320	chr10	41233624	41234087	-23595	Intergenic	NM_200744	smfn	3.054663095	5.392274708	-2.337611613	0.000867
peak_38453	chr2	6515419	6516236	-74849	Intergenic	NM_001017821	rgs5b	4.859858618	7.197604406	-2.337745788	0.013889
peak_19723	chr15	23972116	23972601	-25223	Intergenic	NM_212805	smtnl	3.688341143	6.026159975	-2.337818832	3.51E-05
peak_30749	chr15	22377919	22378569	181866	Intergenic	NM_001111210	ccdc153	3.20331505	5.54122154	-2.33790649	0.002456
peak_22177	chr22	7466801	7467190	-10405	Intergenic	NM_001003737	zgc:92041	4.25841321	6.596339484	-2.337926274	0.000118
peak_19827	chr6	35298206	35299144	12690	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	4.990979964	7.329033788	-2.338053823	3.72E-05
peak_24375	chr23	23231625	23232383	241555	Intergenic	NM_001003830	noc2l	2.548447992	4.886774793	-2.338326801	0.000302
peak_18354	chr13	5420001	5420407	-174258	Intergenic	NM_131893	meis1	4.053416714	6.391824736	-2.338408022	1.66E-05
peak_10350	chr13	54019861	54020663	-26713	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	7.257711811	9.596300313	-2.338588502	2.29E-08
peak_18514	chr14	50942687	50943714	-35852	Intergenic	NM_001002065_1	ppid	6.342286181	8.680919482	-2.338633301	1.80E-05
peak_19665	chr16	56819967	56820441	11290	intron (NM_200956, intron 7 of 12)	NM_200956	ptdss1a	5.037399457	7.37603336	-2.338633903	3.41E-05
peak_31533	chr9	45086036	45086424	215037	Intergenic	NM_200921	ube2e3	2.471023015	4.80968538	-2.338662365	0.003025
peak_15800	chr10	32550413	32550996	-50107	Intergenic	NM_001115066	esama	4.372382244	6.711099	-2.338716756	3.27E-06
peak_35193	chr19	28987370	28987956	-141965	Intergenic	NM_001082990	si:dkey-261i16.5	3.836014389	6.174817364	-2.338802975	0.007177
peak_23282	chr19	33132507	33133001	13019	intron (NM_001128539, intron 2 of 3)	NM_001128539	zbtb10	4.209200867	6.548344929	-2.339144061	0.000189
peak_11585	chr15	36046212	36046944	-102903	Intergenic	NM_001040687	nphs1	6.705121939	9.044468927	-2.339346988	8.87E-08
peak_18194	chr1	15358521	15359312	-4324	Intergenic	NM_001115123	pcm1	5.173058203	7.51262867	-2.339570467	1.52E-05
peak_18431	chr7	17806215	17806776	-3249	Intergenic	NM_131158	dbx1a	3.97144973	6.311028462	-2.339578733	1.72E-05
peak_20992	chr6	29623223	29623806	48458	intron (NM_199526, intron 4 of 25)	NM_199526	dlg1	4.498630944	6.83828107	-2.339650125	6.67E-05
peak_16760	chr18	47135782	47137117	-14417	Intergenic	NM_201035	kcnj1a.1	5.924696269	8.264538776	-2.339842507	6.18E-06
peak_19592	chr7	419542	420309	96735	intron (NM_001079984, intron 1 of 8)	NM_001079984_1	nrxn2b	4.886118348	7.225998627	-2.339880279	3.27E-05
peak_25020	chr15	13648377	13648734	2988	intron (NM_001012375, intron 1 of 8)	NM_001012375	numbl	3.357381403	5.697282012	-2.339900608	0.000391
peak_32566	chr19	8268171	8268638	8926	exon (NM_001044762, exon 2 of 20)	NM_001044762	cgnb	3.420463621	5.760399446	-2.339935825	0.00395
peak_26150	chr10	7062648	7063015	12433	Intergenic	NM_001040339	zgc:136254	3.17667448	5.516890562	-2.340216081	0.00058
peak_13957	chr20	45423205	45423682	440172	Intergenic	NM_001080702	zgc:158643	4.619195203	6.959451672	-2.340256469	8.12E-07
peak_41786	chr5	68493384	68493831	8903	intron (NM_153656, intron 3 of 10)	NM_153656	ptgs1	-0.360322949	1.980098926	-2.340421875	0.023912
peak_41785	chr20	25636377	25636878	19042	Intergenic	NM_199537	paics	-0.360322949	1.980098926	-2.340421875	0.023912
peak_9436	chr18	656253	657655	-23135	Intergenic	NM_001005600_1	zgc:101723	7.826496506	10.16708916	-2.340592652	7.70E-09
peak_20376	chr4	6926690	6927309	-44758	Intergenic	NM_001201357	LOC798487	4.918551392	7.259161849	-2.340610457	5.04E-05
peak_36030	chr2	30631827	30632184	985	intron (NM_001161340, intron 2 of 37)	NM_001161340	myom1a	1.984009138	4.32476903	-2.340759892	0.008576
peak_11633	chr6	31380233	31381213	320482	Intergenic	NM_131073	jak1	5.577825217	7.918951865	-2.341126647	9.33E-08
peak_15174	chr6	33226391	33227454	-8002	Intergenic	NM_201143	pik3r3b	6.329493918	8.670656772	-2.341162854	2.05E-06
peak_17098	chr2	33164817	33165679	7826	intron (NM_001014308, intron 2 of 6)	NM_001014308	ccdc24	4.570876996	6.912098612	-2.341221616	7.51E-06
peak_39238	chr4	43081118	43082066	-1361799	Intergenic	NM_001114884	zgc:174696	0.234016866	2.575268044	-2.341251178	0.015918
peak_23828	chr23	20240191	20240498	-18169	Intergenic	NM_001128242	atp2b3b	2.215200887	4.5568418	-2.341640913	0.00024
peak_18425	chr8	30476553	30477017	-7225	Intergenic	NM_001020774	smarcad1	4.73953804	7.081221465	-2.341683424	1.71E-05
peak_31313	chr7	13173847	13174163	-15993	Intergenic	NM_001037578	fam154b	2.944570835	5.286302607	-2.341731772	0.002856
peak_12986	chr5	27104338	27105004	-82975	Intergenic	NM_001082856	rorb	6.267892874	8.609906629	-2.342013755	3.47E-07
peak_20264	chr18	17214219	17214780	17987	intron (NM_130981, intron 3 of 21)	NM_130981	nup93	4.321479707	6.663515536	-2.342035829	4.75E-05
peak_10321	chr3	34274853	34275503	-7812	Intergenic	NR_030100		6.738738824	9.080814916	-2.342076093	2.24E-08
peak_27351	chr5	70755907	70756367	-8314	Intergenic	NM_001007401	b4galt4	3.79056988	6.132653973	-2.342084094	0.000877
peak_17787	chr21	17467772	17468303	-254235	Intergenic	NM_213355	smpd4	3.758438756	6.100649092	-2.342210336	1.20E-05
peak_11128	chr22	11331668	11332766	77914	Intergenic	NM_205626	bcor	6.42129332	8.763527353	-2.342234033	5.66E-08
peak_27657	chr1	53656549	53657157	98584	Intergenic	NM_001039565	il15	3.79056988	6.133073835	-2.342503955	0.000977
peak_33006	chr12	38696743	38697117	140585	Intergenic	NM_001040355	pmp22b	3.612971808	5.955536197	-2.342564389	0.004407

peak_34734	chr7	28023476	28023923	53557	Intergenic	NM_001008400	ext2	3.700328943	6.042996811	-2.342667868	0.006464
peak_10172	chr25	23709339	23710840	65746	intron (NM_200880, intron 3 of 6)	NM_200880	dusp8a	7.916069251	10.25875994	-2.342690691	1.89E-08
peak_19597	chr18	35886802	35887565	-191681	Intergenic	NM_001139480	yap1	4.823690559	7.166470197	-2.342779638	3.28E-05
peak_20602	chr22	39052438	39052908	361812	Intergenic	NM_001017600	polr2h	3.537128982	5.880597161	-2.343468179	5.60E-05
peak_17706	chr20	51755419	51755711	-31792	Intergenic	NM_205766	rnf8	3.641439946	5.985016047	-2.343576101	1.13E-05
peak_13563	chr1	17653297	17653948	-54023	Intergenic	NM_001145577	limch1a	5.269318729	7.613109595	-2.343790866	5.85E-07
peak_11530	chr15	40549350	40550242	208196	Intergenic	NM_001002430	pxylp1	5.782627238	8.12652641	-2.343899172	8.45E-08
peak_19859	chr13	48974151	48974633	-188072	Intergenic	NM_001098262	zmp:000000113	2.958780025	5.302762482	-2.343982458	3.79E-05
peak_13305	chr4	60229722	60230867	-15833	Intergenic	NM_201580	nup50	5.717537587	8.061605789	-2.344068202	4.66E-07
peak_43075	chr25	25960412	25961362	32165	Intergenic	NM_001142267_1	LOC100216314	-0.360322949	1.983749571	-2.34407252	0.028907
peak_24587	chr14	10187674	10188216	271210	intron (NM_001142584, intron 1 of 9)	NM_001142584	il1rapl2	4.512239285	6.856400654	-2.344161368	0.000329
peak_16830	chr18	9240673	9241149	293357	Intergenic	NM_001045084	sema3e	3.927248682	6.27144145	-2.344192769	6.40E-06
peak_19220	chr22	32194687	32195133	81374	Intergenic	NM_207637	adra2a	4.018491687	6.362787654	-2.344295967	2.66E-05
peak_27112	chr14	20579851	20580130	-499237	Intergenic	NM_001037372	ptcd3	2.975648359	5.319984686	-2.344336327	0.000808
peak_27126	chr3	56495988	56496562	66500	Intergenic	NM_001099249_1	zgc:165627	3.981308804	6.325777085	-2.344468281	0.000812
peak_37507	chr24	18677167	18677411	51659	intron (NM_001281991, intron 1 of 23)	NM_001281991	cntnap2a	0.944570835	3.289080769	-2.344509935	0.011681
peak_27896	chr6	31911537	31911840	95395	Intergenic	NM_001002103	atg4c	3.041371788	5.385902086	-2.344530298	0.001065
peak_17645	chr18	22438827	22439219	52100	intron (NM_001135133, intron 2 of 6)	NM_001135133	bcar1	4.138412798	6.483006985	-2.344594186	1.09E-05
peak_22992	chr7	14058232	14058730	131310	intron (NM_001245957, intron 4 of 10)	NM_001082864	sdhaf2	5.032033676	7.376649104	-2.344615428	0.000169
peak_22706	chr17	1863912	1864489	-233850	Intergenic	NM_001163923	ccbe1	3.720483721	6.065109045	-2.344625323	0.000148
peak_19267	chr24	10496293	10496683	173062	Intergenic	NM_207078	fam49bb	3.596602092	5.941492299	-2.344890207	2.73E-05
peak_39939	chr10	43344073	43344896	1438	intron (NM_001020642, intron 2 of 4)	NM_001020642	rhof	3.937413413	6.282378781	-2.344965369	0.017846
peak_20317	chr3	62695039	62695571	53699	Intergenic	NM_001105129	srebf1	3.875671743	6.221065843	-2.3453941	4.87E-05
peak_25036	chr20	20528280	20528594	-28550	Intergenic	NM_131717	six4b	3.653720264	5.999194713	-2.345474449	0.000392
peak_38233	chr9	28572127	28572620	109868	intron (NM_001045137, intron 4 of 25)	NM_001045137	stxbp5l	1.66069094	4.00618393	-2.34549299	0.013348
peak_37832	chr24	31986474	31987314	-124774	Intergenic	NR_048923		4.20331505	6.548862637	-2.345547587	0.012354
peak_17059	chr7	47720155	47721555	91262	Intergenic	NM_130995	ccne1	5.635234559	7.980790276	-2.345555718	7.28E-06
peak_23744	chr17	33872634	33872908	46742	Intergenic	NM_001003442	dnal1	2.825197218	5.170906275	-2.345709057	0.00023
peak_39066	chr14	24361361	24361674	-207548	Intergenic	NM_001039461	med12	2.363802745	4.70976779	-2.345965045	0.015429
peak_10955	chr24	11426043	11427450	-148547	intron (NM_205728, intron 3 of 14)	NM_213449	prpf4bb	7.478764777	9.824783353	-2.346018576	4.64E-08
peak_9791	chr11	32151076	32153179	-50998	Intergenic	NM_001014332	man2b1	6.637691215	8.983870618	-2.346179402	1.23E-08
peak_34682	chr25	9247343	9247957	-5491	Intergenic	NM_131385	rag2	3.149677235	5.496227865	-2.346550629	0.006417
peak_15890	chr19	39304507	39304857	-102155	intron (NM_001122760, intron 6 of 26)	NM_001002733	nxph1	3.883141315	6.230436585	-2.34729527	3.48E-06
peak_19662	chr25	16343895	16344147	47690	intron (NM_001002362, intron 3 of 6)	NM_001002362	ppfibp2b	2.639677051	4.98723193	-2.347554879	3.41E-05
peak_38471	chr19	33574072	33574474	162688	Intergenic	NM_001004682	fabp11a	3.420463621	5.768052879	-2.347589258	0.013929
peak_15186	chr18	19486629	19487341	58053	Intergenic	NM_001045051	LOC564395	5.60025883	7.947933908	-2.347675078	2.07E-06
peak_43020	chr4	39346116	39346838	-35300	Intergenic	NM_001109839	zgc:173617	-0.360322949	1.987480894	-2.347803843	0.028699
peak_43019	chr20	15831135	15831435	131610	Intergenic	NM_001044818	fam20b	-0.360322949	1.987480894	-2.347803843	0.028699
peak_22479	chr19	43008604	43008982	-228684	Intergenic	NM_001044975	gatad2b	3.295898468	5.643774735	-2.347876266	0.000134
peak_11397	chr3	12712528	12713562	10151	intron (NM_001110762, intron 1 of 2)	NM_001110762	vasnb	6.598658493	8.946638506	-2.347980013	7.42E-08
peak_11536	chr3	24412369	24413568	25770	Intergenic	NR_030095		7.262891253	9.610911605	-2.348020353	8.48E-08
peak_17150	chr16	40675720	40676129	-127515	Intergenic	NM_200570	selenbp1	4.212831541	6.561015338	-2.348183798	7.74E-06
peak_13446	chr4	18088733	18089313	12993	Intergenic	NM_001030186	lepb	5.804890439	8.153107965	-2.348217526	5.30E-07
peak_35701	chr6	4281139	4281665	-150798	Intergenic	NM_201285	pou4f1	4.227058092	6.57529414	-2.348236047	0.008024
peak_12283	chr12	46762607	46763310	64780	intron (NM_131640, intron 7 of 9)	NM_131640	pax2b	5.78942417	8.137672957	-2.348248787	1.77E-07
peak_13863	chr1	18413683	18414508	22672	Intergenic	NM_001102393	tmem192	5.745311492	8.093672915	-2.348361423	7.48E-07
peak_35758	chr6	18803285	18803854	74873	Intergenic	NM_001114571	zgc:174863	0.967238845	3.315711815	-2.348472969	0.008141
peak_30130	chr2	741952	742248	128294	Intergenic	NM_131728	foxc1a	3.137236739	5.485923504	-2.348686765	0.002101
peak_10970	chr18	35507043	35508212	-51349	Intergenic	NM_001044953	qpctla	7.085222932	9.434114994	-2.348892062	4.72E-08
peak_14818	chr5	27047780	27048389	-26388	Intergenic	NM_001082856	rorb	5.028630606	7.377684934	-2.349054328	1.59E-06
peak_15907	chr12	27333642	27334023	-39314	Intergenic	NM_199545	glud1b	3.55032589	5.899473216	-2.349147326	3.53E-06
peak_23929	chr13	13390195	13390495	-49220	Intergenic	NM_198916	foxi2	2.712120089	5.061362949	-2.349242861	0.000249
peak_11635	chr19	26459236	26460554	3230	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	7.505088121	9.85436325	-2.34927513	9.34E-08
peak_13104	chr23	6278907	6279806	150909	Intergenic	NM_200558	mybpha	4.849130417	7.198522255	-2.349391838	3.90E-07
peak_20419	chr10	39733501	39733755	-50182	Intergenic	NM_001006039	samsn1b	2.800163388	5.149692425	-2.349529037	5.12E-05
peak_13860	chr21	16261251	16261915	-130516	Intergenic	NM_001161551	rxraa	5.595238372	7.944821865	-2.349583493	7.47E-07
peak_27432	chr1	9591924	9592295	37287	intron (NM_152956, intron 3 of 12)	NM_152956	dachb	3.517952391	5.867819985	-2.349867594	0.000903
peak_22412	chr22	40329222	40329593	6277	Intergenic	NM_213118	sox2	3.975648359	6.325655939	-2.350007579	0.000131
peak_30469	chr1	25595496	25595806	2751	intron (NM_199643, intron 1 of 10)	NM_199643	coro2a	2.986785331	5.336958442	-2.350173111	0.002294
peak_15287	chr7	54529240	54529721	-47832	Intergenic	NM_131025	ccnd1	3.918551392	6.268771457	-2.350220065	2.24E-06
peak_22754	chr5	42843020	42843365	81027	Intergenic	NM_001002505	sub1b	3.280142431	5.630374437	-2.350232006	0.000151
peak_12835	chr5	27406495	27407403	-3122	Intergenic	NM_001099449	tmem2	5.824078691	8.174725922	-2.35064723	2.99E-07
peak_17471	chr13	22152500	22153453	186668	Intergenic	NM_001145707	zswim8	5.436409122	7.787104675	-2.350695553	9.57E-06
peak_11417	chr14	18318970	18319479	104162	intron (NM_001166332, intron 2 of 4)	NM_001166332	nlgn3a	5.397175482	7.74810696	-2.350931477	7.55E-08
peak_13025	chr8	1548352	1548756	88737	Intergenic	NM_131026_1	efna5b	4.866612942	7.217634604	-2.351021662	3.64E-07
peak_17237	chr25	29053521	29054246	-85729	Intergenic	NM_001114348	fezf1	5.108098251	7.459134084	-2.351035833	8.21E-06
peak_18585	chr15	8502384	8503085	33474	Intergenic	NM_001128700	tmem160	4.800906293	7.152007076	-2.351100782	1.86E-05
peak_22944	chr14	3253520	3254092	58718	Intergenic	NM_203420	bicc2	3.091390725	5.442593471	-2.351202745	0.000165
peak_11002	chr23	27385674	27386764	7284	intron (NM_001214908, intron 2 of 2)	NM_001214908	wu:fc13c02	5.960193277	8.31141877	-2.351225493	4.94E-08
peak_10672	chr6	43046997	43048122	-24084	Intergenic	NM_001130694	lrrn1	7.583230445	9.934504183	-2.351273738	3.38E-08
peak_30690	chr25	2794844	2795103	-132072	Intergenic	NM_001079965	adpgk	1.618352549	3.969647788	-2.351295239	0.002419
peak_21283	chr21	286543	287131	-3531	exon (NM_001012480, exon 8 of 8)	NM_213272	jmy	4.108061062	6.459478956	-2.351417894	7.67E-05
peak_16856	chr5	8151757	8152576	20094	intron (NM_212640, intron 3 of 9)	NM_212640	slc1a3a	5.280142431	7.631563566	-2.351421135	6.50E-06
peak_16719	chr25	29416224	29416795	-39788	Intergenic	NM_001098391	tmem17	4.823690559	7.175239295	-2.351548736	6.02E-06
peak_10973	chr1	25847106	25848601	-99271	Intergenic	NM_201116	sh3gl2	6.234909902	8.586557494	-2.351647592	4.74E-08
peak_24820	chr22	17135850	17136299	83373	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	4.057383766	6.40950274	-2.352118974	0.000362
peak_15534	chr18	34982602	34983829	11456	intron (NM_001044319, intron 2 of 2)	NM_001044319	znf296	6.0373604	8.389582944	-2.352222544	2.69E-06
peak_17554	chr3	26587730	26588451	83362	intron (NM_001172397, intron 9 of 10)	NM_212762	rps15a	4.561596548	6.91412864	-2.352532092	1.02E-05
peak_10799	chr15	13899140	13900587	77721	Intergenic	NM_001030204	dpf1	6.452077763	8.804746327	-2.352668564	3.86E-08
peak_23719	chr15	23984655	23985016	-12746	Intergenic	NM_212805	smtnl	3.229335828	5.582081666	-2.352745839	0.000228
peak_10686	chr25	36790483	36791606	36839	Intergenic	NM_001159829	slc2a13b	6.971305187	9.324189901	-2.352884714	3.42E-08
peak_13280	chr11	46632755	46633682	6268	intron (NM_200647_1, intron 7 of 9)	NM_200647_1	mfn1b	5.052053274	7.404977705	-2.352924431	4.57E-07
peak_16316	chr15	34763759	34764152	214329	Intergenic	NM_001080189_1	zgc:158328	4.249193638	6.60219303	-2.352999392	4.64E-06
peak_19850	chr14	8036405	8036896	14025	intron (NM_001002626, intron 2 of 5)	NM_001002626	zgc:92242	4.696843362	7.04989586	-2.353052498	3.76E-05
peak_14355	chr3	38886489	38886944	24064	Intergenic	NM_001045132	si:dkey-106c17.2	4.471080849	6.824253972	-2.353173123	1.11E-06
peak_20267	chr20	10009491	10009931	-87	promoter-TSS (NM_001020738)	NM_001020738	stxbp6l	4.412286634	6.765630593	-2.353343959	4.75E-05
peak_12396	chr25	16742499	16742971	29563	intron (NM_212847, intron 4 of 13)	NM_212847	tead1a	4.885374666	7.23882114	-2.353446474	1.99E-07
peak_16617	chr6	30433642	30434125	37714	Intergenic	NM_001037669	insl5a	3.92580277	6.279390151	-2.353587381	5.65E-06
peak_11211	chr3	56623550	56625068	7202	intron (NM_131561, intron 3 of 10)	NM_131561	axin2	7.089768194	9.443640366	-2.353872172	6.05E-08
peak_35489	chr24	38682721	38683167	53314	TTS (NM_001195241)	NM_001077393	cog7	3.875584362	6.229482669	-2.353898308	0.007632
peak_36173	chr16	35122307	35122597	71394	Intergenic	NM_001114427	zgc:172323	2.935977657	5.289886026	-2.353908368	0.008886
peak_23603	chr9	15478802	15479139	221901	Intergenic	NM_131520	fn1a	3.046703014	5.400642352	-2.353939338	0.000215
peak_13005	chr7	43076005	43076924	-537175	Intergenic	NM_131063	shha	6.770169143	9.124133355	-2.353964213	3.53E-07
peak_26913	chr12	38150459	38150923	29253	Intergenic	NM_001003874_1	chmp6b	3.457076769	5.811358394	-2.354281625	0.000758
peak_27523	chr11	3833240	3833685	89181	Intergenic	NM_131233	gata2a	3.920004586	6.274431778	-2.354427192	0.000933
peak_35959	chr20	30932993	30933397	-6340	Intergenic	NM_200198	hebp2	3.282403856	5.637084916	-2.35468106	0.008459
peak_15724	chr22	40121993	40122658	213359	Intergenic	NM_213118	sox2	5.415380979	7.770062436	-2.354681457	3.10E-06
peak_40317	chr16	5707060	5707942	7115	intron (NM_131711, intron 3 of 9)	NM_131711	rpa2	0.625495796	2.980232222	-2.354736426	0.018988
peak_11576	chr19	1151542	1152511	-32616	Intergenic	NM_001130777	slc39a4	5.966556346	8.321394399	-2.354838053	8.83E-08
peak_12924	chr21	19378380	19379139	153993	Intergenic	NM_001006022	zgc:103482	5.327547004	7.682388483	-2.354841479	3.25E-07
peak_12975	chr14	32990680	32991888	99133	Intergenic	NM_001001837	zic6	6.283267446	8.638404791	-2.355137345	3.44E-07
peak_30523	chr6	19958903	19960372	8286	Intergenic	NM_182866	glulb	4.790616223	7.145827419	-2.355211196	0.002322
peak_31419	chr18	38707534	38707784	-48136	Intergenic	NM_001177495	ugt5c1	2.702019304	5.057351866	-2.355332562	0.002925
peak_38009	chr12	11964188	11964542	-222456	Intergenic	NM_131406	raraa	2.247969535	4.603369596	-2.355400061	0.012772
peak_20081	chr4	22979082	22979471	-79767	Intergenic	NM_194401	celf2	3.224639552	5.580147257	-2.355507705	4.31E-05

peak_21461	chr6	15988831	15989185	40020	Intergenic	NM_152964	gbx2	3.667729028	6.023299366	-2.355570338	8.38E-05
peak_22581	chr17	23947059	23947380	55029	Intergenic	NM_205752	b3gnt2b	3.344452335	5.700131643	-2.355679308	0.00014
peak_11156	chr8	10180509	10181539	48666	Intergenic	NM_001013452	ptpn18	6.316814759	8.672495808	-2.355681049	5.82E-08
peak_20903	chr13	9897432	9897832	-71053	Intergenic	NM_131362	six3a	3.951692923	6.30749666	-2.355803737	6.42E-05
peak_36456	chr25	24606378	24607210	105945	Intergenic	NM_001002052	mrpl23	4.419556411	6.775366739	-2.355810328	0.009453
peak_31814	chr21	3790498	3790754	-101257	Intergenic	NM_175082	smad7	3.006230172	5.362047363	-2.355817191	0.00328
peak_16738	chr17	44232834	44233153	63102	Intergenic	NM_131251	otx2	3.777803175	6.133771237	-2.355968062	6.08E-06
peak_11297	chr2	49685541	49686096	84295	Intergenic	NM_001089323	abhd17aa	5.841076335	8.197196167	-2.356119832	6.62E-08
peak_28768	chr19	25929337	25929591	-16543	intron (NM_001128373, intron 2 of 2)	NM_001079950	glcci1	2.471023015	4.827171328	-2.356148312	0.001403
peak_16940	chr15	37490424	37490889	-14262	Intergenic	NM_131481	robo1	4.655516986	7.011705745	-2.356188758	6.82E-06
peak_38700	chr20	53697386	53697998	-20737	Intergenic	NM_001009990	cdc40	3.836014389	6.19235282	-2.356338431	0.014444
peak_33113	chr22	40200497	40200751	135060	Intergenic	NM_213118	sox2	2.862128275	5.218491742	-2.356363467	0.004524
peak_12115	chr8	3127977	3128564	-123720	Intergenic	NM_001040010	lhx2b	5.42564779	7.782022834	-2.356375044	1.50E-07
peak_29277	chr19	40505629	40505902	-480622	Intergenic	NM_213278	sfpq	3.006230172	5.362709654	-2.356479481	0.001651
peak_15368	chr24	35947994	35948631	77068	intron (NM_131456, intron 7 of 17)	NM_131456	ctnna1	4.619195203	6.975712446	-2.356517243	2.36E-06
peak_11981	chr22	17169082	17169913	49950	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	6.605022864	8.961645558	-2.356622694	1.33E-07
peak_19835	chr9	32292080	32292927	18853	TTS (NM_001037416)	NM_205727	zic5	4.109335453	6.466057297	-2.356721844	3.74E-05
peak_12077	chr19	43217260	43219598	-19048	Intergenic	NM_001044975	gatad2b	8.703447519	11.06029127	-2.356843752	1.44E-07
peak_20637	chr23	35854658	35855031	-13089	intron (NM_001285536, intron 4 of 7)	NM_001002713	mfsd5	4.137163847	6.494240747	-2.357076901	5.69E-05
peak_11033	chr5	12120291	12121262	-169736	Intergenic	NM_203478_1	rtn4r	5.520884289	7.878053351	-2.357169061	5.09E-08
peak_9023	chr5	69000763	69002173	13978	Intergenic	NM_181496	nrarpb	8.743224408	11.10042511	-2.3572007	4.33E-09
peak_37107	chr5	20893822	20894110	-95628	Intergenic	NM_212766	ranbp1	2.978440673	5.335677027	-2.357236354	0.010787
peak_18477	chr18	46216369	46216954	-403837	Intergenic	NM_001037706	smtla	4.256113835	6.613424179	-2.357310344	1.76E-05
peak_13221	chr1	18819162	18819795	-7647	Intergenic	NM_207071	mettl14	5.468103815	7.825441727	-2.357337912	4.29E-07
peak_13703	chr1	21582652	21583215	-5692	exon (NM_131315, exon 9 of 11)	NM_001123250	tapt1	4.945956457	7.30338631	-2.357429853	6.59E-07
peak_20594	chr3	11136872	11137236	126099	Intergenic	NM_001077531	srl	3.219927938	5.577363854	-2.357435915	5.57E-05
peak_19068	chr15	35140351	35140617	-60450	Intergenic	NM_001017614	rhbdd1	2.964424746	5.322125783	-2.357701037	2.47E-05
peak_18998	chr18	35657387	35658223	37697	intron (NM_001139480, intron 2 of 7)	NM_001139480	yap1	5.774640627	8.132446723	-2.357806096	2.38E-05
peak_18970	chr7	29784693	29785489	-35641	Intergenic	NM_001045116	trim66	5.242786959	7.600644105	-2.357857146	2.33E-05
peak_13476	chr6	35221275	35221967	89744	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	5.381935135	7.73988684	-2.357951705	5.42E-07
peak_28647	chr3	38688889	38689148	221762	Intergenic	NM_001045132	si:dkey-106c17.2	2.42263522	4.780605333	-2.357970113	0.001348
peak_37027	chr13	35907293	35907593	75066	Intergenic	NM_199432	erlec1	0.967238845	3.325347101	-2.358108256	0.010617
peak_19345	chr14	37171191	37171634	49787	Intergenic	NM_205642	zgc:77938	3.837642815	6.195888414	-2.358245599	2.84E-05
peak_20404	chr21	2518513	2519219	-37787	Intergenic	NM_001128691	zgc:193790	4.930178236	7.288958246	-2.35878001	5.09E-05
peak_41148	chr4	7317773	7318097	-93819	Intergenic	NM_001030152	si:ch211-240l19.5	2.570823028	4.929843084	-2.359020057	0.021816
peak_12921	chr2	29720667	29721101	-10007	Intergenic	NM_001039497	cnpy1	4.994472906	7.35378474	-2.359311834	3.24E-07
peak_14920	chr23	7912673	7913260	128680	Intergenic	NM_001100145	kif3b	4.997229056	7.356562162	-2.359333107	1.70E-06
peak_33304	chr6	54572430	54573327	41200	intron (NM_001109724, intron 2 of 12)	NM_001109724	tead3b	0.944570835	3.304001486	-2.359430651	0.004703
peak_11400	chr12	40117467	40118143	11445	intron (NM_001002490, intron 1 of 7)	NM_001002490	ttyh2	6.381950515	8.741397259	-2.359446744	7.44E-08
peak_31335	chr17	49095087	49095367	-3490	Intergenic	NM_212816	gnmt	2.903852685	5.263958022	-2.360105337	0.002869
peak_16045	chr5	32117337	32117953	38018	Intergenic	NM_201459	arcn1a	4.583823625	6.943986243	-2.360162618	3.89E-06
peak_28362	chr15	8795349	8795586	-107557	Intergenic	NM_213155	ap2s1	2.614767619	4.975106346	-2.360338727	0.001233
peak_23937	chr2	39528665	39528955	-65555	Intergenic	NM_001002667	slc25a36a	2.972850631	5.333245442	-2.360394811	0.00025
peak_12625	chr18	19956854	19957841	-50171	Intergenic	NM_131012	gro2	7.171067412	9.531515453	-2.360448041	2.44E-07
peak_18161	chr5	50384369	50384672	62793	Intergenic	NM_001123267	mblac2	3.222285668	5.582739163	-2.360453494	1.49E-05
peak_17058	chr15	18661947	18662471	71748	Intergenic	NM_001003741_1	picalmb	4.634375402	6.994889516	-2.360514113	7.28E-06
peak_18913	chr16	18656337	18656663	78049	Intergenic	NM_001003589	ccdc12	3.226989601	5.587625642	-2.360636041	2.26E-05
peak_9768	chr19	26285521	26286330	-27417	Intergenic	NM_212563	pard6gb	7.78682639	10.14754572	-2.360719327	1.19E-08
peak_9880	chr7	16685251	16686569	49170	intron (NM_001017638, intron 9 of 9)	NM_131641	pax6b	7.565186265	9.92598577	-2.360799505	1.37E-08
peak_27991	chr1	40009307	40009549	102692	intron (NM_130968, intron 4 of 28)	NM_130968	tenm3	1.944570835	4.305607341	-2.361036506	0.001101
peak_20388	chr17	35551940	35552342	-23678	Intergenic	NM_001025556	rsad2	3.544684847	5.905773734	-2.361088887	5.06E-05
peak_15538	chr9	2137633	2138252	126161	Intergenic	NM_199480	lnpa	4.718814869	7.080197495	-2.361382626	2.70E-06
peak_17435	chr17	22262722	22263315	51755	intron (NM_001039144, intron 1 of 5)	NM_001039144	slc8a1b	4.002039684	6.363433986	-2.361394302	9.31E-06
peak_32350	chr11	21864959	21865254	-132	promoter-TSS (NM_001030072)	NM_001030072	fmoda	2.834474036	5.195938319	-2.361464284	0.003745
peak_30548	chr17	39371088	39371480	-19358	Intergenic	NM_212821	crim1	2.705394096	5.067329882	-2.361935786	0.002336
peak_20542	chr4	12001135	12001596	5062	intron (NM_131229, intron 2 of 9)	NM_131229	wif1	3.97144973	6.333630468	-2.362180738	5.41E-05
peak_19531	chr7	17453115	17453906	-116085	Intergenic	NM_001006026	csrp3	5.629890628	7.992083892	-2.362193264	3.15E-05
peak_29248	chr11	15307980	15308388	7189	intron (NM_130909, intron 2 of 7)	NM_130909	hug	2.234016866	4.596237441	-2.362220575	0.001637
peak_31601	chr11	28351948	28352406	25120	Intergenic	NM_001025540	wnt7aa	2.31603542	4.678442783	-2.362407364	0.003084
peak_17469	chr7	75575157	75575613	103361	Intergenic	NM_001013341	ywhae2	4.261855416	6.624427058	-2.362571643	9.56E-06
peak_15506	chr17	43120049	43120620	-43740	Intergenic	NM_173224	npc2	4.467110104	6.829852305	-2.362742201	2.63E-06
peak_15025	chr12	44776450	44776920	3	promoter-TSS (NM_001110011_1)	NM_001110011_1	dock1	4.43995877	6.802712687	-2.362753916	1.84E-06
peak_20037	chr14	11360679	11361477	208090	Intergenic	NM_001077781	zdhhc15b	5.533810806	7.896653843	-2.362843037	4.22E-05
peak_31771	chr1	38198731	38198971	36358	intron (NM_001145602, intron 1 of 11)	NM_001145602	si:ch211-15e22.3	2.320443851	4.683356742	-2.362912891	0.003245
peak_33057	chr5	67240899	67241182	131166	intron (NM_001278808, intron 14 of 21)	NM_001278808	pappab	2.350931353	4.713892709	-2.362961356	0.004456
peak_15127	chr19	2977746	2978247	7643	exon (NM_200124, exon 4 of 6)	NM_200124	sp4	4.935935756	7.299087388	-2.363151632	1.98E-06
peak_10496	chr15	22929892	22930695	-53523	Intergenic	NM_001024388	hmbsb	6.791608848	9.154835887	-2.363227039	2.72E-08
peak_37485	chr15	27330108	27330680	103970	Intergenic	NM_001007424	dhrs13a.3	1.984009138	4.347378529	-2.363369391	0.011638
peak_27287	chr16	28535909	28536276	-52897	Intergenic	NM_001044848	arhgef1b	2.657209812	5.020734502	-2.363524689	0.000857
peak_15910	chr14	36275667	36276552	166549	Intergenic	NM_001007108	il12ba	6.240154737	8.604041654	-2.363886916	3.53E-06
peak_30642	chr20	40051543	40051976	-237014	Intergenic	NM_001082853	rnf217	3.188780911	5.552725159	-2.363944248	0.002392
peak_17450	chr7	37033815	37034428	-63367	Intergenic	NM_001023575	irx6a	5.182205604	7.546248343	-2.364042739	9.43E-06
peak_15296	chr23	21832348	21832912	-3482	Intergenic	NM_213176	rcc2	5.082296101	7.44652947	-2.364233369	2.26E-06
peak_19833	chr6	25671650	25672200	15661	intron (NM_212689, intron 4 of 4)	NM_212689	lmo4b	3.8361042	6.200368179	-2.364263979	3.74E-05
peak_24695	chr23	41411145	41411869	-242097	Intergenic	NM_001139458	si:dkey-194e6.1	3.164465597	5.529065275	-2.364599678	0.000344
peak_20854	chr14	33999220	33999533	-99971	Intergenic	NM_131472	kdrl	2.880158125	5.244841605	-2.36468348	6.25E-05
peak_19643	chr1	6654489	6654927	88028	Intergenic	NM_001102569	radil	5.036059882	7.400839986	-2.364780104	3.37E-05
peak_28791	chr12	27117135	27117621	-11024	Intergenic	NM_131363	six3b	3.832932036	6.198062802	-2.365130766	0.001413
peak_16382	chr12	25285664	25286004	50862	intron (NM_001035261, intron 3 of 37)	NM_001035261	svila	3.634375402	5.999631339	-2.365255937	4.83E-06
peak_12798	chr1	19088777	19090189	-277652	Intergenic	NM_207071	mettl14	6.831229107	9.196544695	-2.365315589	2.89E-07
peak_11943	chr4	5840618	5841544	119603	intron (NM_001030082, intron 9 of 20)	NM_001159823	lyrm5a	6.23257273	8.597920482	-2.365347752	1.28E-07
peak_21381	chr5	51510709	51511086	-16676	Intergenic	NM_131180	nr2f1a	2.812734601	5.178136413	-2.365401812	8.08E-05
peak_23424	chr11	28590415	28590857	-7196	Intergenic	NR_023337		4.487892806	6.853699165	-2.365806359	0.0002
peak_14059	chr18	24032544	24033267	227675	Intergenic	NR_120393		5.093967964	7.459822303	-2.36585434	8.90E-07
peak_40592	chr17	25950446	25950720	274946	Intergenic	NM_001080656	acss1	2.363802745	4.729752104	-2.365949359	0.019915
peak_43027	chr11	31985872	31986537	114925	Intergenic	NM_001014332	man2b1	0.625495796	2.991715797	-2.366220001	0.028745
peak_10453	chr14	7589706	7590573	-75703	Intergenic	NM_212777	brd8	6.855231018	9.221562023	-2.366331005	2.58E-08
peak_21320	chr1	52795182	52795473	-77412	Intergenic	NM_001145598	cnn1a	2.44299439	4.809384955	-2.366390565	7.81E-05
peak_15434	chr7	55527963	55528521	41219	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	5.258446718	7.624907527	-2.366460809	2.48E-06
peak_27336	chr23	34821293	34821782	376577	Intergenic	NM_212746	klf15	4.183950523	6.550583948	-2.366633425	0.000872
peak_12690	chr17	14679248	14680012	-48437	Intergenic	NM_200635	ptger2a	5.65287205	8.019578182	-2.366706132	2.61E-07
peak_12977	chr20	6784048	6784958	-112482	Intergenic	NM_001168349_1	adcy1a	5.880904501	8.247873976	-2.366969475	3.44E-07
peak_14260	chr24	32108584	32109451	-2651	Intergenic	NR_048923		4.655516986	7.022530654	-2.367013668	1.03E-06
peak_15997	chr10	4195300	4195644	138505	Intergenic	NR_029954		3.447031973	5.814203714	-2.367171741	3.76E-06
peak_15656	chr18	11516520	11517357	-16454	Intergenic	NM_001013335	zgc:110789	6.058995015	8.426367106	-2.367372091	2.94E-06
peak_23333	chr7	21405213	21405557	-12660	Intergenic	NM_212648	dvl2	3.174240955	5.541694185	-2.36745323	0.000193
peak_25354	chr23	41396058	41396517	-226877	Intergenic	NM_001139458	si:dkey-194e6.1	3.490829325	5.858351245	-2.367521921	0.000441
peak_10820	chr15	8551149	8551814	82221	Intergenic	NM_001128700	tmem160	6.463363044	8.830887671	-2.367524628	3.96E-08
peak_12741	chr9	13679070	13679821	-48176	Intergenic	NM_131139	fzd7a	5.976716478	8.34444548	-2.367729003	2.76E-07
peak_12591	chr7	36207811	36209223	-40992	Intergenic	NM_199272	esrp2	7.664335306	10.03219115	-2.36785584	2.37E-07
peak_27496	chr18	46306638	46306914	-313722	Intergenic	NM_001037706	smtla	2.31603542	4.683974985	-2.367939565	0.000926
peak_17041	chr7	37158979	37159357	5775	Intergenic	NM_001045227	irx5a	3.629054199	5.99707872	-2.368024521	7.20E-06
peak_43003	chr22	26283759	26284127	11393	Intergenic	NM_001160373	LOC798111	-0.360322949	2.007987497	-2.368310446	0.028654
peak_14680	chr1	39958303	39958957	51894	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	4.792997377	7.16132998	-2.368332603	1.43E-06
peak_19582	chr20	27514099	27514443	78786	Intergenic	NR_030115		2.64320069	5.01201422	-2.36881353	3.25E-05

peak_18117	chr6	51001865	51002359	-320060	Intergenic	NM_001184955	pigu	4.190056257	6.558908354	-2.368852097	1.47E-05
peak_9563	chr7	26891866	26892904	-31225	Intergenic	NM_001257193	dysf	6.801126465	9.169990882	-2.368864417	9.14E-09
peak_36501	chr16	45657938	45658567	-9535	Intergenic	NM_001005959	polr3glb	3.122017822	5.490965112	-2.368947291	0.009549
peak_35999	chr8	34772436	34772871	133653	intron (NM_001098243, intron 4 of 8)	NM_001098243	pbx3b	2.751830549	5.120907943	-2.369077393	0.008527
peak_19215	chr23	28825394	28825861	-130	promoter-TSS (NM_131361)	NM_131361	nadl1.2	3.849803014	6.219028456	-2.369135442	2.66E-05
peak_9756	chr23	31030427	31030991	-27811	Intergenic	NM_001039921	pcmtd2	6.848367416	9.21750306	-2.369135644	1.17E-08
peak_24736	chr1	43174954	43175577	513029	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	5.064590157	7.433870948	-2.369280791	0.00035
peak_34119	chr5	63109245	63109657	-28924	exon (NM_183069, exon 6 of 6)	NM_001076598	tmem141	2.815860363	5.185459333	-2.36959897	0.005669
peak_43023	chr13	47782103	47782685	79949	Intergenic	NM_001135791	bcl2l11	-0.360322949	2.009358568	-2.369681517	0.028704
peak_12708	chr1	39779981	39780803	29988	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	5.607492003	7.977212673	-2.36972067	2.67E-07
peak_12554	chr3	47792996	47793866	94445	Intergenic	NM_001017696	mrpl12	5.254386895	7.624449964	-2.370063069	2.30E-07
peak_14210	chr17	35950906	35951401	107582	Intergenic	NM_131336	sox11a	6.061010672	8.431657663	-2.37064699	9.92E-07
peak_37296	chr1	45537623	45538130	-32837	Intergenic	NM_001003728	rps6	1.632603848	4.003440084	-2.370836236	0.011211
peak_17560	chr8	53348543	53349116	-99257	Intergenic	NM_001002178	zgc:91909	3.855979326	6.227374957	-2.371395631	1.02E-05
peak_41679	chr15	9808065	9808609	225689	Intergenic	NM_001130789	zgc:193616	-0.360322949	2.011134967	-2.371457916	0.023566
peak_25759	chr8	4508139	4508538	-34983	Intergenic	NM_001040045	myl2b	3.475098368	5.846759295	-2.371660928	0.000506
peak_21665	chr14	4896024	4896945	-198847	Intergenic	NM_001017822_1	zgc:110204	4.91491199	7.286640841	-2.371728851	9.26E-05
peak_15355	chr16	34651136	34651604	-33064	Intergenic	NM_001130601	mms22l	3.922906591	6.294749192	-2.371842601	2.34E-06
peak_20079	chr10	4629887	4630440	15101	intron (NM_001002132, intron 1 of 7)	NM_001002132	lppr1	5.067292189	7.439168532	-2.371876343	4.31E-05
peak_15144	chr14	21605823	21606385	286909	Intergenic	NM_001080068	ids	4.997917271	7.37023124	-2.372313969	2.00E-06
peak_12230	chr20	26492169	26492766	4445	intron (NM_001281788, intron 1 of 3)	NM_001281788	akap12b	4.851417001	7.22373904	-2.372322039	1.67E-07
peak_10863	chr16	51595254	51596041	9178	intron (NM_001003763, intron 1 of 7)	NM_001003763	eif3ha	6.07577281	8.448128909	-2.372356099	4.21E-08
peak_14483	chr11	45788481	45788979	60646	intron (NM_001077304, intron 3 of 11)	NM_001017677	afmid	4.988944759	7.361579037	-2.372634278	1.24E-06
peak_23035	chr13	49895582	49895932	-169904	Intergenic	NM_001003463	ntpcr	3.728799148	6.101662629	-2.372863482	0.000172
peak_12781	chr9	40387759	40388326	-330433	Intergenic	NM_200000	myl1	4.725478726	7.098542887	-2.37306416	2.84E-07
peak_24726	chr4	4138199	4138470	-7343	Intergenic	NM_001110392	ano2	2.234016866	4.607646205	-2.373629339	0.000348
peak_15599	chr1	6158215	6158949	86131	intron (NM_001143751_2, intron 1 of 10)	NM_001143751_2	erbb4a	6.058335334	8.432047127	-2.373711793	2.79E-06
peak_11061	chr10	13508400	13509040	-148237	intron (NM_001098242, intron 3 of 8)	NM_001099446	LOC556326	6.593418071	8.967149258	-2.373731188	5.27E-08
peak_18657	chr20	17497999	17498593	-287725	Intergenic	NM_131081	cdh2	4.025258877	6.39901991	-2.373761033	1.95E-05
peak_29695	chr14	36869216	36869674	-42803	Intergenic	NM_001003587	glrbb	3.054663095	5.428582382	-2.373919287	0.001859
peak_34103	chr7	40929847	40930147	14661	TTS (NM_001037385)	NM_001037385	slc22a18	2.224639552	4.598792013	-2.374152461	0.005646
peak_15264	chr21	28194382	28195175	53114	Intergenic	NM_001003543	zgc:100829	5.108698398	7.482944455	-2.374246057	2.20E-06
peak_10552	chr22	20681423	20682627	-20985	Intergenic	NM_001172683	tcf3b	6.405788433	8.780146913	-2.374358481	2.89E-08
peak_12861	chr8	54742391	54743214	21481	Intergenic	NM_213180	zgc:77112	5.527600354	7.901991896	-2.374391542	3.05E-07
peak_21634	chr25	795027	795349	-77022	intron (NM_001098393, intron 3 of 7)	NM_199725_1	twf1a	3.834563943	6.209006158	-2.374442216	9.14E-05
peak_11972	chr15	34806069	34807139	256978	Intergenic	NM_001080189_1	zgc:158328	5.982311877	8.356939152	-2.374627275	1.31E-07
peak_18887	chr19	14864517	14864908	-8714	Intergenic	NM_201091	lin28a	4.140907462	6.51553825	-2.374630789	2.23E-05
peak_16895	chr9	3657857	3658199	10329	Intergenic	NM_180973	sp5a	3.760062422	6.134727109	-2.374664687	6.65E-06
peak_41062	chr4	53428543	53429494	145828	intron (NM_001109740, intron 1 of 2)	NM_001114418	zgc:174704	0.234016866	2.608815969	-2.374799103	0.02155
peak_15227	chr12	48698029	48699503	61635	Intergenic	NM_001017704	grem2	6.578258609	8.953100337	-2.374841728	2.15E-06
peak_15108	chr23	1874901	1875732	149734	Intergenic	NM_001076663	rabggta	4.692598516	7.067538151	-2.374939635	1.96E-06
peak_12815	chr2	35655391	35656074	54299	intron (NM_173277, intron 1 of 27)	NM_173277	lamc1	5.759633003	8.134625685	-2.374992682	2.93E-07
peak_13201	chr3	22950579	22951185	169896	Intergenic	NM_001128744	cyb561	5.185194891	7.560308241	-2.37511335	4.24E-07
peak_18325	chr23	28706834	28707822	-71925	Intergenic	NR_029989		5.098467082	7.473670971	-2.375203889	1.64E-05
peak_20423	chr10	22345933	22346358	4363	exon (NM_131637, exon 4 of 4)	NM_131637	cldn7b	3.492783688	5.868058934	-2.375275245	5.13E-05
peak_42054	chr13	50310266	50310610	112482	Intergenic	NM_199981	irf2bp2a	-0.360322949	2.015672702	-2.375995651	0.024839
peak_9979	chr12	44272131	44273218	9964	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	6.389575433	8.765589723	-2.37601429	1.52E-08
peak_14770	chr1	9019537	9019900	-3140	Intergenic	NM_001145568	tmem8a	3.993783045	6.369820507	-2.376037462	1.54E-06
peak_14290	chr20	38919103	38919636	10953	intron (NM_001002312, intron 44 of 47)	NR_030060		4.344452335	6.720605315	-2.376152979	1.05E-06
peak_32234	chr7	17544254	17544649	-207026	Intergenic	NM_001006026	csrp3	1.205700064	3.581861432	-2.376161368	0.00363
peak_21944	chr7	46906201	46906909	326199	Intergenic	NM_001103194	uqcrfs1	4.480032743	6.856494733	-2.376461991	0.000107
peak_11730	chr2	26325563	26326327	-1321	Intergenic	NM_001171028	lppr3a	6.545875612	8.922624223	-2.37674861	1.02E-07
peak_30739	chr1	29714079	29714664	30890	intron (NM_001045236, intron 1 of 10)	NM_001045236	dachc	4.216315102	6.593403829	-2.377088727	0.002452
peak_24838	chr23	24233164	24233591	28073	intron (NM_200454, intron 1 of 15)	NM_200454	ptpn11b	4.383019995	6.76025132	-2.377231325	0.000364
peak_39531	chr9	46387008	46387392	284016	Intergenic	NM_001099232	zgc:165571	2.471023015	4.848648593	-2.377625578	0.016705
peak_10570	chr22	19910245	19910835	38796	Intergenic	NM_001105607	LOC100006793	6.147781807	8.525444821	-2.377663014	2.96E-08
peak_11375	chr11	7458899	7459944	-11456	Intergenic	NM_199831	diras1a	5.147161509	7.525006199	-2.37784469	7.22E-08
peak_16907	chr19	32632177	32632555	-14045	Intergenic	NM_001045118	scin	3.598418383	5.976281824	-2.377863441	6.71E-06
peak_13494	chr16	49087916	49088298	93003	Intergenic	NM_001077744	otud7b	4.190056257	6.568038374	-2.377982117	5.53E-07
peak_23608	chr19	30762485	30762943	-124805	Intergenic	NM_131162	ntla	4.006150351	6.384149369	-2.377999018	0.000216
peak_37440	chr13	45633909	45634428	7719	TTS (NM_130925)	NM_130925	khdrbs1a	3.25733105	5.63534107	-2.37801002	0.01153
peak_14860	chr20	40112279	40112711	239126	Intergenic	NM_001025545	clvs2	4.515126713	6.893193213	-2.3780665	1.64E-06
peak_10999	chr7	26493356	26494265	2425	intron (NM_212666, intron 1 of 5)	NM_212666	cyp26b1	5.297609065	7.675778096	-2.378169031	4.92E-08
peak_22359	chr3	16998995	17000045	-181699	Intergenic	NM_001077392	hcrt	5.415926102	7.794119776	-2.378193674	0.000128
peak_17370	chr23	13737292	13737723	21299	Intergenic	NR_030650		4.608419895	6.986654559	-2.378234663	8.95E-06
peak_23171	chr23	23178053	23178435	227557	Intergenic	NM_212722	eno1a	3.238682765	5.616921987	-2.378239221	0.000181
peak_16514	chr6	42962912	42963621	-3586	Intergenic	NM_001077388	glyctk	4.538075632	6.916402572	-2.37832694	5.33E-06
peak_22356	chr15	19443169	19443994	-13637	intron (NM_200665, intron 8 of 10)	NM_130944	dlc	5.160167961	7.538565168	-2.378397206	0.000128
peak_15134	chr1	20641576	20642167	74914	intron (NM_131638, intron 8 of 10)	NM_206888	melk	5.040074882	7.418726925	-2.378652043	1.99E-06
peak_23266	chr1	42323040	42323534	91494	Intergenic	NM_201502	smox	4.515070619	6.893919802	-2.378849183	0.000188
peak_42483	chr22	17231302	17231661	-12034	Intergenic	NM_001079962	nfia	-0.360322949	2.018575837	-2.378898786	0.026362
peak_27710	chr24	42258520	42259108	-6487	Intergenic	NM_001020507	smyhc1	4.639728504	7.018887687	-2.379159183	0.000994
peak_17902	chr12	16218904	16219351	8895	intron (NM_001146306, intron 1 of 13)	NM_001146306	plxdc1	3.963015635	6.342218933	-2.379203299	1.29E-05
peak_13770	chr22	39003988	39004555	410214	Intergenic	NM_001017600	polr2h	5.334102215	7.713694398	-2.379592183	6.92E-07
peak_12877	chr22	18928344	18928877	41985	Intergenic	NM_207052	midn	4.822913981	7.202913532	-2.379999551	3.10E-07
peak_28169	chr7	28693310	28693765	118352	Intergenic	NM_001002471	calca	2.797003394	5.177094576	-2.380091182	0.001164
peak_13131	chr20	44936187	44936711	232625	Intergenic	NM_001013534	zgc:103511	5.251504061	7.631608991	-2.380104931	3.97E-07
peak_23886	chr23	20202821	20203596	18967	intron (NM_001128242, intron 1 of 20)	NM_001128242	atp2b3b	4.224639552	6.605049924	-2.380410372	0.000245
peak_15103	chr7	46450780	46451312	-4509	Intergenic	NM_001103194_1	uqcrfs1	4.706187427	7.086821241	-2.380633813	1.96E-06
peak_16120	chr6	56274980	56275431	155828	Intergenic	NM_001008576_1	tfap2c	4.128390782	6.509038066	-2.380647284	4.04E-06
peak_30634	chr1	39997247	39997528	90651	intron (NM_130968, intron 3 of 28)	NM_130968	tenm3	2.862128275	5.242967419	-2.380839143	0.002388
peak_22240	chr13	35506272	35506935	-54210	Intergenic	NM_131863	jag1b	4.459077363	6.840155454	-2.381078091	0.000121
peak_36404	chr7	28981690	28982106	21900	intron (NM_001017815, intron 1 of 5)	NM_001017815	rras2	2.986785331	5.368071221	-2.381285889	0.009342
peak_23388	chr13	10824652	10825252	268846	intron (NM_001197201, intron 4 of 14)	NM_001197201	akt3a	1.812734601	4.194051875	-2.381317274	0.000197
peak_11929	chr20	47297295	47298813	3837	intron (NM_001018134, intron 1 of 19)	NM_001018134	dnmt3aa	6.180066958	8.561770384	-2.381703425	1.26E-07
peak_14503	chr19	23227357	23227952	13227	Intergenic	NM_001114688	LOC569382	4.43995877	6.821768873	-2.381810103	1.26E-06
peak_19359	chr25	29104193	29104710	-35161	Intergenic	NM_001114348	fezf1	4.487892806	6.86975118	-2.381858373	2.86E-05
peak_21290	chr1	51420263	51420830	-10042	Intergenic	NM_131215	otx1a	4.364932445	6.746868353	-2.381935909	7.69E-05
peak_31645	chr14	41030049	41030548	-502738	Intergenic	NM_131782	glra4a	2.912638768	5.294583034	-2.381944267	0.003123
peak_12913	chr7	54093224	54093935	-80021	Intergenic	NM_214816	tcf12	4.871127539	7.253174254	-2.382046715	3.20E-07
peak_16921	chr18	19520765	19521154	-32764	Intergenic	NM_175083	smad3b	4.383019995	6.765285357	-2.382265362	6.75E-06
peak_13411	chr13	45899432	45900257	-52547	Intergenic	NM_001145701	si:ch211-168h21.	4.750245246	7.132518986	-2.38227374	5.15E-07
peak_14437	chr19	542537	543315	52953	Intergenic	NM_001001730	cyp51	4.993783045	7.376097231	-2.382314187	1.20E-06
peak_21261	chr19	26835147	26835733	9038	intron (NM_199983, intron 2 of 6)	NM_199983	mylipa	3.378798964	5.761331072	-2.382532108	7.59E-05
peak_13098	chr7	66929793	66930385	44966	Intergenic	NM_001079987	tmem41b	6.076424567	8.459454264	-2.383029696	3.89E-07
peak_18294	chr18	45781539	45782123	33746	Intergenic	NM_199925	zgc:77304	4.10167217	6.485079969	-2.3834078	1.61E-05
peak_16437	chr5	42669278	42670091	52542	Intergenic	NM_001006105	golph3	5.457076769	7.840510043	-2.383433273	5.03E-06
peak_17403	chr10	45296734	45297589	-2125	Intergenic	NM_200592	nr2f1b	5.858299309	8.241765101	-2.383465792	9.15E-06
peak_21764	chr1	53354871	53355318	66883	Intergenic	NM_001081629	smarca5	3.554074368	5.937617204	-2.383542836	9.72E-05
peak_9688	chr3	44308445	44309507	-17249	Intergenic	NM_001002533_1	rab11fip4a	7.018801129	9.402559045	-2.383757916	1.06E-08
peak_12072	chr9	10883962	10884572	-33468	Intergenic	NM_131834	cxcr4b	6.449549736	8.833360835	-2.383811099	1.43E-07
peak_20616	chr21	37169294	37169694	-52386	Intergenic	NM_001039927	zgc:136851	4.06002242	6.44388103	-2.38385861	5.63E-05
peak_19280	chr13	31519759	31520169	-4	promoter-TSS (NM_213410)	NM_213410	prdm8	4.160782694	6.544702604	-2.38391991	2.75E-05
peak_22493	chr21	23249786	23250360	19173	intron (NM_001113551, intron 1 of 11)	NM_001113551	cadm1a	5.019847667	7.403949865	-2.384102198	0.000135
peak_12238	chr11	20450124	20452583	-26164	Intergenic	NM_131636	fezf2	7.477647842	9.86186882	-2.384220978	1.69E-07

peak_18930	chr9	25261127	25261580	-9956	intron (NM_001277070, intron 1 of 1)	NM_001008643	nabp1a	4.23284803	6.617092817	-2.384244787	2.28E-05
peak_10757	chr6	54345882	54347327	42522	Intergenic	NM_173251	snrpc	7.253522649	9.637777434	-2.384254785	3.68E-08
peak_37503	chr5	26542839	26543171	8287	exon (NM_212630, exon 15 of 16)	NM_212630	ewsr1b	2.44299439	4.827291222	-2.384296832	0.01167
peak_28061	chr21	10108574	10109028	-217	promoter-TSS (NM_001137662)	NM_001137662	pcsk1	2.935977657	5.320353875	-2.384376217	0.001124
peak_21779	chr18	28033288	28033577	157685	Intergenic	NM_001080159	hipk3b	3.09910867	5.483791326	-2.384682656	9.78E-05
peak_16528	chr22	16820624	16821018	42614	intron (NM_001127185, intron 36 of 43)	NM_001007760	pdzk1ip1l	3.883141315	6.268108539	-2.384967224	5.36E-06
peak_18723	chr4	1945767	1946295	-7668	Intergenic	NM_001044898	frs2a	3.093967964	5.479119658	-2.385151694	2.02E-05
peak_15556	chr20	42380838	42381460	29447	Intergenic	NM_001039977	dcbld1	5.609294644	7.99456212	-2.385267476	2.72E-06
peak_38706	chr18	8340556	8340886	-25742	Intergenic	NM_001201568	si:dkey-5i3.5	2.868163296	5.253609908	-2.385446612	0.014471
peak_40676	chr20	41702023	41702586	255921	Intergenic	NM_001201561	LOC555548	2.459077363	4.844589319	-2.385511956	0.020181
peak_38739	chr13	49441884	49442205	-39447	Intergenic	NM_182860	msh6	2.471023015	4.856911013	-2.385887998	0.014563
peak_19001	chr8	11724976	11725614	23205	intron (NM_001002871, intron 6 of 19)	NM_001002871	trim33	4.086222395	6.472264407	-2.386042012	2.38E-05
peak_12366	chr15	39263567	39264516	72749	intron (NM_001077577, intron 2 of 2)	NM_001077577	fat3a	6.660754326	9.04694471	-2.386190384	1.93E-07
peak_37978	chr24	3644457	3645072	88082	Intergenic	NM_001168264	wdr37	2.570823028	4.957341841	-2.386518814	0.012704
peak_13243	chr18	30399230	30400646	13920	intron (NM_001080807, intron 2 of 14)	NM_001080807	gse1	7.567751514	9.954414126	-2.386662612	4.37E-07
peak_23288	chr12	32698260	32698615	91851	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	4.381965894	6.768905517	-2.386939623	0.000189
peak_12890	chr17	10931936	10932678	65898	intron (NM_001258228, intron 9 of 10)	NM_001258228	si:ch211-185a18.	6.850464698	9.237554968	-2.38709027	3.14E-07
peak_17197	chr9	46278664	46279120	217256	Intergenic	NM_001040004	retsatl	4.159552967	6.546831544	-2.387278577	7.96E-06
peak_33696	chr3	37424054	37424356	142178	Intergenic	NM_201504	arf2	1.205700064	3.59303541	-2.387335346	0.00514
peak_24849	chr2	11137674	11138061	140767	Intergenic	NM_001003980	lhx8a	3.025258877	5.412722295	-2.387463417	0.000367
peak_23242	chr20	49662094	49662531	-239765	Intergenic	NM_001014329	naa20	3.482985287	5.870690947	-2.387705659	0.000186
peak_21995	chr2	31988739	31989147	-8781	exon (NM_001130663, exon 25 of 27)	NM_001291713	fam49ba	3.038698769	5.426665339	-2.387966569	0.000109
peak_14628	chr7	51010442	51011695	97122	Intergenic	NM_001020629	hrasb	6.495480839	8.883468269	-2.38798743	1.38E-06
peak_11447	chr15	18410454	18411003	51292	Intergenic	NM_205649	zgc:77784	5.583796882	7.971997553	-2.388200671	7.78E-08
peak_35722	chr24	4943890	4944256	-98669	Intergenic	NM_001110021	cpb1	2.42263522	4.81093328	-2.388298061	0.00807
peak_9995	chr7	52940801	52941586	-52155	Intergenic	NM_001044906	zgc:136763	6.005486018	8.39394021	-2.388454192	1.55E-08
peak_22796	chr14	27082264	27082530	21242	Intergenic	NM_001159909	mtnr1al	3.030649868	5.419135559	-2.388485691	0.000153
peak_15146	chr1	50858445	50858918	57619	Intergenic	NM_001045851	aimp1	4.505422924	6.893996782	-2.388573858	2.01E-06
peak_39240	chr5	40802606	40802934	-31341	Intergenic	NM_200710	paqr3a	1.961605146	4.350384038	-2.388778892	0.015925
peak_10688	chr11	39354156	39356693	-14498	Intergenic	NR_034195		7.231394187	9.620212307	-2.38881812	3.43E-08
peak_26542	chr3	7747738	7748215	-89814	Intergenic	NM_001105127	zgc:173577	4.045449734	6.434314612	-2.388864879	0.000663
peak_14676	chr13	35525720	35526306	-34800	Intergenic	NM_131863	jag1b	5.397175482	7.786452768	-2.389277286	1.43E-06
peak_13317	chr4	16505817	16506648	20919	Intergenic	NM_131219	ascl1a	6.006874217	8.39632749	-2.389453272	4.70E-07
peak_13722	chr6	57653446	57654142	-48690	Intergenic	NM_001076592	zgc:153702	4.656389079	7.045963304	-2.389574225	6.65E-07
peak_9780	chr15	36060946	36062298	-117947	Intergenic	NM_001040687	nphs1	7.4303939	9.819973657	-2.389579757	1.21E-08
peak_10919	chr18	25745188	25745718	-86370	Intergenic	NM_199792	znf710a	6.040389474	8.430072372	-2.389682897	4.50E-08
peak_15394	chr16	49290562	49291029	20599	Intergenic	NM_001003557	bola1	4.876376775	7.266111065	-2.389734289	2.41E-06
peak_11564	chr5	51272761	51273423	-254481	Intergenic	NM_131180	nr2f1a	4.747792413	7.137543476	-2.389751064	8.76E-08
peak_13461	chr2	55311383	55312112	28376	intron (NM_200150, intron 1 of 8)	NM_200150	ankrd12	6.635260365	9.025085013	-2.389824648	5.37E-07
peak_12522	chr22	14095386	14096142	-26531	Intergenic	NM_001017749	arl4ca	5.645424228	8.035379835	-2.389955608	2.24E-07
peak_24140	chr5	19839274	19839776	138341	Intergenic	NM_178304	zdhhc8b	3.735417151	6.125493816	-2.390076664	0.000273
peak_19885	chr13	24513954	24514270	3129	exon (NM_001161361, exon 3 of 4)	NM_001161361	ccsapb	3.623713297	6.014194667	-2.39048137	3.84E-05
peak_34208	chr8	51537242	51537832	68695	Intergenic	NM_001161445	plp2	4.092604742	6.483275675	-2.390670933	0.005786
peak_18801	chr18	38541597	38542171	-110205	Intergenic	NM_001017682	sema6dl	5.350423983	7.741128392	-2.390704409	2.12E-05
peak_22744	chr16	54760603	54761352	19407	Intergenic	NM_212567	mcm3	4.030649868	6.421577557	-2.39092769	0.00015
peak_19152	chr5	6396776	6397163	65544	Intergenic	NM_001267589	tnks1bp1	3.273336808	5.66432304	-2.390986231	2.57E-05
peak_12637	chr2	18653449	18654353	4964	Intergenic	NR_030086		5.927631005	8.318682224	-2.391051218	2.47E-07
peak_20596	chr7	53992553	53993105	20729	intron (NM_214816, intron 6 of 12)	NM_214816	tcf12	4.332498034	6.723634105	-2.391136071	5.58E-05
peak_32876	chr7	66890464	66890942	-60503	Intergenic	NM_198825_1	fam60al	3.659052965	6.050237478	-2.391184514	0.004254
peak_20968	chr8	4844282	4844731	-25128	intron (NM_200459, intron 7 of 8)	NM_199988	sept5a	4.404980039	6.796457569	-2.39147753	6.59E-05
peak_11112	chr3	17560864	17561493	40953	Intergenic	NM_001003433	nkiras2	5.494735408	7.886556834	-2.391821426	5.54E-08
peak_15807	chr23	36924790	36925297	39091	Intergenic	NR_030654		4.553138161	6.94500576	-2.391867599	3.29E-06
peak_20700	chr8	16395181	16395560	115503	intron (NM_001017754, intron 3 of 4)	NM_001017754	agbl4	3.50251599	5.894558627	-2.392042636	5.86E-05
peak_25590	chr9	18915427	18916122	82192	Intergenic	NM_001003476	dnajc15	4.244493998	6.636568283	-2.392074285	0.000479
peak_14864	chr24	6506926	6507615	-48193	Intergenic	NM_131774	anxa13	4.837597958	7.22968352	-2.392085562	1.64E-06
peak_13181	chr15	38246276	38247592	-33281	Intergenic	NM_131633	robo2	6.045410894	8.437552137	-2.392141243	4.16E-07
peak_22654	chr24	1624646	1625055	165658	Intergenic	NM_001113644_4	zgc:172101	3.445014594	5.837286027	-2.392271433	0.000145
peak_27446	chr16	2308653	2308919	6449	Intergenic	NM_181735	foxi1	3.261922272	5.654197694	-2.392275422	0.000908
peak_20508	chr16	9935772	9936550	27668	intron (NM_001289913, intron 2 of 13)	NM_001289913	cobl	5.084279488	7.47679381	-2.392514323	5.31E-05
peak_14259	chr14	48311174	48311767	21249	Intergenic	NM_200265	ttc9c	4.553138161	6.94568062	-2.392542459	1.03E-06
peak_11183	chr25	35175985	35176869	26465	Intergenic	NM_131285	foxb1a	6.096540606	8.489204931	-2.392664325	5.95E-08
peak_11429	chr23	38834570	38836160	-210703	Intergenic	NM_001080609	sall4	7.202981825	9.595765089	-2.392783265	7.64E-08
peak_14353	chr7	76947624	76948272	-74201	Intergenic	NM_199916	ppp1cbl	5.104231123	7.497105169	-2.392874046	1.10E-06
peak_41659	chr9	29854958	29855225	45764	intron (NM_001002693, intron 2 of 5)	NM_001111251	LOC100007315	1.984009138	4.377019354	-2.393010216	0.023479
peak_25209	chr13	2898463	2898801	-43549	Intergenic	NM_131567	prph2b	2.111880861	4.504911706	-2.393030845	0.000417
peak_21466	chr15	13257664	13258030	114560	Intergenic	NM_199847	fxyd6	3.295898468	5.689044749	-2.393146281	8.39E-05
peak_26956	chr11	1124345	1124770	-22786	intron (NM_212882_3, intron 5 of 8)	NM_001123238_1	atp2b2	3.618352549	6.011570697	-2.393218147	0.000766
peak_17050	chr6	56979519	56980082	446739	Intergenic	NM_001002869	ddx27	4.063971374	6.457221997	-2.393250622	7.24E-06
peak_12385	chr16	56906524	56907886	-79041	Intergenic	NM_001039925	rbm24b	6.32699939	8.720459963	-2.393460573	1.97E-07
peak_29644	chr24	6226187	6226520	15959	intron (NM_001017708, intron 14 of 15)	NM_001017708	gad2	3.313826142	5.707719397	-2.393893255	0.001828
peak_13550	chr24	5697016	5697534	78060	Intergenic	NM_001114926	dia1b	4.849893014	7.244200508	-2.394307494	5.77E-07
peak_23479	chr13	17911259	17911621	-2032	intron (NM_001161435, intron 1 of 5)	NM_001111193	Mar-08	3.740360808	6.134787723	-2.394426916	0.000205
peak_36541	chr8	29145444	29146190	-18623	Intergenic	NM_001002152	rap1aa	2.702019304	5.096561477	-2.394542173	0.009633
peak_14795	chr5	9912080	9912887	6727	Intergenic	NM_201339		5.934477557	8.329296552	-2.394818995	1.57E-06
peak_15951	chr10	40505534	40505899	-10670	Intergenic	NM_200940	slc37a4b	3.732111944	6.127016104	-2.39490416	3.63E-06
peak_19257	chr13	26505096	26505548	-422516	Intergenic	NM_212982	fancl	3.215200887	5.610150965	-2.394950078	2.71E-05
peak_18275	chr21	38444331	38444699	-5103	3' UTR (NM_194384, exon 10 of 10)	NM_001076614	pigs	3.280142431	5.675238428	-2.395095997	1.59E-05
peak_38853	chr5	48560656	48561114	-135930	Intergenic	NM_199995	cox7c	2.42263522	4.817790063	-2.395154843	0.014887
peak_22888	chr21	33490510	33490953	133349	intron (NM_152955, intron 2 of 13)	NM_152955	dacha	3.217566349	5.612816479	-2.395250131	0.00016
peak_40530	chr14	95888	96319	-7400	Intergenic	NM_001082999	zbtb49	2.986785331	5.382215078	-2.395429746	0.019709
peak_13042	chr14	41131941	41132768	562280	Intergenic	NM_001127519	pcdh19	5.260708926	7.656383832	-2.395674906	3.69E-07
peak_11222	chr13	2819056	2819992	24951	intron (NM_001161598, intron 2 of 6)	NM_001161598	si:ch211-239i4.3	7.098618147	9.494408003	-2.395789856	6.11E-08
peak_14276	chr8	9001435	9001812	-11349	Intergenic	NM_001030157	comta	4.768960068	7.165428708	-2.39646864	1.04E-06
peak_40211	chr11	26748262	26748649	14812	intron (NM_130938, intron 1 of 7)	NM_130938	skib	3.234016866	5.630501196	-2.39648433	0.018637
peak_21563	chr14	40105247	40106087	-25994	Intergenic	NR_045230		5.315451208	7.711954433	-2.396503225	8.82E-05
peak_20181	chr24	2040778	2041430	-185612	Intergenic	NM_212616	zgc:85789	4.252657886	6.649262792	-2.396604907	4.55E-05
peak_21514	chr15	42288549	42288899	94833	Intergenic	NM_214722	ctsc	3.539021661	5.935765642	-2.396743981	8.59E-05
peak_9771	chr13	10678964	10679719	143532	Intergenic	NM_200480	dync2li1	6.201770136	8.598518666	-2.396748529	1.20E-08
peak_25946	chr11	40924210	40924804	-480495	Intergenic	NM_001002073	vamp3	4.168139123	6.565106925	-2.396967803	0.00054
peak_34088	chr8	27228382	27229046	2622	intron (NM_001128293, intron 1 of 3)	NM_001128293	hyal3	3.073219981	5.470562737	-2.397342756	0.005629
peak_18791	chr17	53348799	53349367	1886	intron (NM_131896, intron 1 of 4)	NM_131896	meis2a	3.961605146	6.359012584	-2.397407438	2.11E-05
peak_24019	chr9	18324783	18325370	-25438	Intergenic	NM_001128338	vwa8	4.392472402	6.789905296	-2.397432894	0.000259
peak_19622	chr7	23354995	23355557	25364	Intergenic	NM_001017620	tmem256	3.587486179	5.985155003	-2.397668823	3.33E-05
peak_24404	chr17	35853019	35853397	205527	Intergenic	NM_131336	sox11a	3.300368768	5.698086089	-2.397717321	0.000305
peak_17887	chr22	21311213	21311821	-40723	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	4.084927414	6.482682202	-2.397754788	1.28E-05
peak_23699	chr24	1892637	1893310	-333743	Intergenic	NM_212616	zgc:85789	3.97144973	6.369275487	-2.397825757	0.000225
peak_16155	chr20	36467042	36467447	-25746	intron (NM_001013521, intron 5 of 12)	NM_001002720	lbr	3.92580277	6.323655849	-2.39785308	4.16E-06
peak_13473	chr1	49849067	49849717	-9942	Intergenic	NM_131260	msxb	4.659872185	7.057747106	-2.397874921	5.42E-07
peak_18338	chr12	28404288	28404686	18270	intron (NM_131709, intron 1 of 7)	NM_131709	zeb1b	3.44299439	5.840882645	-2.397888255	1.65E-05
peak_25196	chr3	33230855	33231386	19564	intron (NM_131399, intron 1 of 7)	NM_131399	rarab	4.125874362	6.523929155	-2.398054793	0.000415
peak_39012	chr22	29191986	29192829	-739065	Intergenic	NM_001003584	jagn1b	0.625495796	3.023803183	-2.398307387	0.015295
peak_36060	chr14	9555737	9556231	16714	Intergenic	NM_001164461	tbx22	3.836014389	6.23464104	-2.398626651	0.008639
peak_13696	chr15	28101295	28101697	-74958	Intergenic	NM_200018	blmh	4.193665276	6.592397857	-2.398732581	6.53E-07
peak_19878	chr17	19385561	19385946	-20284	Intergenic	NM_001029951	cyp26c1	4.506447035	6.905239208	-2.398792173	3.83E-05
peak_19053	chr20	45040663	45041359	337187	Intergenic	NM_001013534	zgc:103511	5.438438561	7.837517738	-2.399079176	2.45E-05

peak_9649	chr10	28271334	28271963	439149	Intergenic	NM_001020542	ints2	6.575969354	8.975064944	-2.39909559	1.01E-08
peak_14586	chr11	35416282	35416815	-6819	Intergenic	NM_001037377	pfkfb4	4.682359636	7.08157549	-2.399215853	1.33E-06
peak_33834	chr16	15299049	15299616	64739	Intergenic	NM_001197062	dbpb	3.700328943	6.099633632	-2.399304688	0.005294
peak_15635	chr11	43732819	43733401	10936	intron (NM_153660, intron 1 of 12)	NM_153660	il17rd	4.849130417	7.248532415	-2.399401999	2.88E-06
peak_19685	chr4	2678207	2678686	-88308	Intergenic	NM_001044997	slco1c1	4.586571412	6.986033553	-2.399462141	3.44E-05
peak_26316	chr7	53131642	53131944	-27864	intron (NM_213431, intron 10 of 10)	NM_001114891	cited1	2.529533336	4.929177567	-2.399644232	0.000614
peak_20844	chr11	33407034	33407567	128201	intron (NM_001160822, intron 3 of 3)	NM_001160822	pcdh17	4.160782694	6.560463855	-2.399681162	6.24E-05
peak_25965	chr10	11040512	11041045	36618	intron (NM_001024207, intron 2 of 8)	NM_001024207	ugcg	4.590173757	6.989875531	-2.399701773	0.000542
peak_17802	chr18	6486010	6486390	57513	intron (NM_152983, intron 27 of 46)	NM_152983	myo7aa	3.6900456	6.089758102	-2.399712502	1.21E-05
peak_32330	chr25	6555793	6556280	20687	Intergenic	NM_214697	psma4	3.006230172	5.405953954	-2.399723781	0.003722
peak_9519	chr20	21359841	21360794	19127	intron (NM_001044888, intron 1 of 4)	NM_001044888	nudt14	6.712502733	9.112342668	-2.399839935	8.53E-09
peak_18081	chr18	41495965	41496736	172188	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	6.068256361	8.468165388	-2.399909028	1.43E-05
peak_26070	chr23	23927430	23927754	147592	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	2.219927938	4.61994633	-2.400018392	0.000564
peak_9189	chr21	33566046	33567118	57498	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	7.213546454	9.613926636	-2.400380182	5.43E-09
peak_19501	chr23	34764804	34765190	406025	Intergenic	NM_001005584	chchd6a	3.041371788	5.441833518	-2.40046173	3.09E-05
peak_41706	chr4	28075902	28076223	59057	Intergenic	NR_034263_2		-0.360322949	2.040289535	-2.400612484	0.023652
peak_15364	chr9	37582893	37583291	393605	Intergenic	NM_001003649	ralba	3.851417001	6.252155265	-2.400738264	2.35E-06
peak_21828	chr22	14191499	14191918	-4301	Intergenic	NM_001278817	aox1	3.327031342	5.728028082	-2.40099674	0.0001
peak_16530	chr7	76589025	76589945	-6407	Intergenic	NM_001290417	znf219	5.971140184	8.372158531	-2.401018347	5.36E-06
peak_21586	chr2	54466230	54466574	19436	Intergenic	NM_001017676	capsla	3.531436	5.932571885	-2.401135886	8.95E-05
peak_13239	chr24	4972030	4972798	81038	Intergenic	NM_130933	zic1	5.03802974	7.439206387	-2.401176647	4.35E-07
peak_10572	chr14	8340814	8341694	42350	intron (NM_001145091, intron 3 of 10)	NM_001145091	nrg2b	6.539244281	8.940651973	-2.401407692	2.97E-08
peak_11062	chr7	32303978	32305044	-37902	Intergenic	NM_001013468	zgc:111992	6.04105741	8.442494619	-2.401437209	5.29E-08
peak_18596	chr16	31810169	31810553	-5731	TTS (NM_001002357)	NM_001256731	ensab	4.090100377	6.491589432	-2.401489055	1.88E-05
peak_22189	chr19	40334491	40334908	363743	Intergenic	NM_212579	col9a2	4.634323758	7.036190954	-2.401867196	0.000118
peak_17445	chr17	44308880	44309202	-12946	Intergenic	NM_131251	otx2	2.809602052	5.211719729	-2.402117677	9.36E-06
peak_15117	chr9	27109677	27110130	-9654	Intergenic	NM_213216	arglu1a	5.026608515	7.428989089	-2.402380574	1.97E-06
peak_18196	chr22	13119949	13120387	-55134	intron (NM_001024816, intron 10 of 10)	NM_001083056	mfsd6a	4.37985538	6.78225584	-2.402400461	1.52E-05
peak_9390	chr3	21088190	21089611	-15960	Intergenic	NM_001004583	slc35b1	7.084889623	9.487291562	-2.402401939	7.27E-09
peak_10621	chr6	1464673	1466013	42468	Intergenic	NM_213183	orc4	6.428473293	8.830887976	-2.402414684	3.18E-08
peak_11124	chr5	31635044	31636998	-1231	Intergenic	NR_030068		6.513910285	8.916425629	-2.402515344	5.62E-08
peak_42695	chr25	15311318	15311696	-1111	Intergenic	NM_131304	pax6a	-0.360322949	2.042240386	-2.402563335	0.027263
peak_13941	chr9	15385359	15385882	315251	Intergenic	NM_131520	fn1a	4.791410378	7.194073246	-2.402662868	7.97E-07
peak_17782	chr11	20368440	20368901	-108847	Intergenic	NM_131636	fezf2	4.674582283	7.077286758	-2.402704476	1.20E-05
peak_19649	chr1	5942800	5943276	-129413	Intergenic	NM_001143751_2	erbb4a	4.170582953	6.573318531	-2.402735577	3.39E-05
peak_13124	chr8	14920627	14921233	22707	intron (NM_001025455, intron 5 of 7)	NM_001025455	acbd6	5.261315727	7.664181902	-2.402866175	3.96E-07
peak_11226	chr15	10833458	10834174	299251	intron (NM_130969, intron 13 of 31)	NM_130969	odz4	5.406566135	7.809517244	-2.402951109	6.16E-08
peak_19122	chr7	35983782	35984130	36638	Intergenic	NM_001130774	calml4a	3.273336808	5.676323362	-2.402986554	2.54E-05
peak_13914	chr17	21615998	21616502	-2083	Intergenic	NM_001115098	hmx2	5.055363031	7.458410755	-2.403047724	7.79E-07
peak_17182	chr19	39765004	39765332	203304	Intergenic	NM_001044795	smap2	3.291414275	5.694463125	-2.40304885	7.91E-06
peak_22508	chr23	27210299	27210713	-9302	Intergenic	NM_001044396	rnd1l	3.395609492	5.798725107	-2.403115615	0.000136
peak_12458	chr3	40322677	40323215	12754	intron (NM_001080572, intron 4 of 11)	NM_001080572	slc29a4	5.307113146	7.710278328	-2.403165182	2.11E-07
peak_25868	chr14	47809610	47809907	-15825	intron (NM_001076572, intron 1 of 9)	NM_001076624	rnf44	3.585656064	5.988849911	-2.403193847	0.000525
peak_37954	chr4	16556669	16557302	-35529	Intergenic	NM_001045096	recql	3.519982194	5.92323515	-2.403252957	0.01263
peak_18568	chr7	43982026	43982316	-62317	intron (NM_001007175, intron 28 of 39)	NM_001017713_1	idh3g	3.104231123	5.507643781	-2.403412659	1.84E-05
peak_10784	chr17	16960287	16961631	246331	intron (NM_001080009, intron 18 of 23)	NM_212789	dio2	6.670943971	9.074604697	-2.403660726	3.79E-08
peak_35070	chr5	1712532	1712770	-16573	intron (NM_001245965, intron 15 of 22)	NR_029931		2.471023015	4.874745637	-2.403722622	0.006979
peak_16377	chr7	53882907	53883379	63315	Intergenic	NM_001144979	gnrhr2	4.818200248	7.221973593	-2.403773346	4.82E-06
peak_9529	chr3	63144366	63148340	38099	Intergenic	NM_131644	sox9b	8.371269438	10.7752597	-2.403990259	8.63E-09
peak_20792	chr13	13816052	13816471	24862	Intergenic	NM_001007289	rpia	3.5783123	5.982376676	-2.404064376	6.09E-05
peak_23413	chr8	42351695	42351988	19103	Intergenic	NM_001075105_1	aplnra	2.735417151	5.13948568	-2.404068528	0.000199
peak_10938	chr1	29736472	29737255	8398	intron (NM_001045236, intron 1 of 10)	NM_001045236	dachc	6.141860014	8.545981133	-2.404121119	4.56E-08
peak_10085	chr17	48392852	48393431	55965	Intergenic	NM_001201393	smoc1	6.216071136	8.620203468	-2.404132332	1.70E-08
peak_24141	chr13	50370155	50370473	52606	Intergenic	NM_199981	irf2bp2a	3.399781695	5.804171988	-2.404390293	0.000274
peak_17307	chr4	2727645	2728019	88505	Intergenic	NM_213494	aebp2	3.451058288	5.85546651	-2.404408222	8.57E-06
peak_16399	chr17	17444034	17444536	142146	intron (NM_001123049, intron 3 of 9)	NM_001123049	adck1	4.259561525	6.664191019	-2.404629494	4.89E-06
peak_20395	chr7	69191321	69191698	-41092	Intergenic	NM_001007441	znf143a	3.977045192	6.381782568	-2.404737377	5.07E-05
peak_24450	chr2	17035147	17035562	32464	Intergenic	NM_001281996	ptger4c	3.993783045	6.398560325	-2.40477728	0.00031
peak_34418	chr9	756333	756609	14635	Intergenic	NM_131045	eng1a	1.938847741	4.343852308	-2.405004568	0.006079
peak_25992	chr10	23255581	23255863	-63924	Intergenic	NM_200607	slc25a1a	2.636144784	5.041392505	-2.405247721	0.000549
peak_11157	chr18	41885045	41885802	-172602	Intergenic	NM_001167569_1	pvrl1b	6.278144245	8.683503027	-2.405358782	5.82E-08
peak_12372	chr22	12380875	12381372	108503	Intergenic	NM_212586	ccnt2b	4.395609492	6.801136631	-2.405527139	1.94E-07
peak_41404	chr22	11425548	11425836	122958	Intergenic	NM_200832	mid1ip1b	2.42263522	4.828212318	-2.405577098	0.022628
peak_29545	chr6	56281790	56282170	162603	Intergenic	NM_001008576_1	tfap2c	3.459077363	5.864779661	-2.405702298	0.001784
peak_24418	chr19	27729721	27730327	89971	Intergenic	NM_199927	gtf2h4	4.2140167	6.619903627	-2.405886927	0.000306
peak_9698	chr13	45322321	45323374	35301	3' UTR (NM_001030175, exon 6 of 6)	NM_001030175	zfand3	6.797770985	9.203741618	-2.405970633	1.08E-08
peak_21893	chr9	16941246	16941531	-191351	Intergenic	NM_001113633	si:dkey-103d23.5	3.111880861	5.518042304	-2.406161443	0.000104
peak_37839	chr17	8379936	8380147	27980	intron (NM_001080601, intron 1 of 5)	NM_001080601	fzd3b	1.66069094	4.067013529	-2.406322589	0.012385
peak_18639	chr8	36926335	36926945	448853	Intergenic	NM_200957	slc15a4	4.418468701	6.824805511	-2.40633681	1.92E-05
peak_39965	chr5	27091905	27092265	-70389	Intergenic	NM_001082856	rorb	3.188780911	5.595194952	-2.40641404	0.017936
peak_11499	chr2	28710332	28711264	190	5' UTR (NM_001159830, exon 1 of 12)	NM_001159830	si:dkeyp-68h1.1	5.475534912	7.882332894	-2.406797982	8.21E-08
peak_35024	chr6	9049449	9050170	-9623	Intergenic	NM_001004584	sdprb	1.961605146	4.368687519	-2.407082373	0.006909
peak_20243	chr11	40862093	40862847	-425908	Intergenic	NM_001040387	wnt4a	4.825197218	7.232404699	-2.40720748	4.68E-05
peak_38030	chr10	4852422	4852818	-26044	Intergenic	NM_001204200	akap2	3.222285668	5.629512815	-2.407227147	0.012829
peak_12908	chr8	25616068	25616808	15630	intron (NM_001080599, intron 6 of 8)	NM_001080599	slc16a4	4.924355407	7.331602008	-2.407246601	3.19E-07
peak_9091	chr14	14088730	14089966	56374	Intergenic	NM_001159584	itln3	8.366661408	10.77395798	-2.407296575	4.75E-09
peak_15808	chr12	35451796	35452325	16958	Intergenic	NM_001044908	arl3	4.540911861	6.948363369	-2.407451507	3.29E-06
peak_22868	chr12	38978341	38978695	-141003	Intergenic	NM_001040355	pmp22b	3.17667448	5.584180526	-2.407506046	0.000158
peak_14338	chr20	21364402	21365221	23621	intron (NM_001044888, intron 1 of 4)	NM_001044888	nudt14	4.94738232	7.354958138	-2.407575817	1.09E-06
peak_17055	chr2	45257278	45257790	-4796	Intergenic	NR_029925		4.384073326	6.791747945	-2.407674619	7.26E-06
peak_11336	chr2	49630970	49631550	29737	Intergenic	NM_001089323	abhd17aa	5.592507058	8.000324839	-2.407817781	6.91E-08
peak_11683	chr16	774441	774980	-45931	Intergenic	NM_207184	irx1a	5.354191339	7.762389127	-2.408197788	9.67E-08
peak_23255	chr2	20377552	20378115	58532	Intergenic	NM_001025177	dusp12	4.943856688	7.352138039	-2.408281351	0.000187
peak_13057	chr10	22045971	22046697	33213	Intergenic	NM_001024126	pcdh1g30	4.636144784	7.044495085	-2.408350301	3.73E-07
peak_28239	chr5	65146697	65146965	86455	Intergenic	NM_178287	sepw1	2.818979367	5.227723123	-2.408743756	0.001187
peak_14739	chr16	8958745	8959537	35951	Intergenic	NM_001077532	cnot10	5.09267992	7.501753545	-2.409073625	1.50E-06
peak_27228	chr2	58051730	58052053	-57839	Intergenic	NM_001009556	ncstn	2.705394096	5.114668105	-2.409274009	0.000841
peak_8942	chr17	34380041	34381229	26873	intron (NM_194363, intron 2 of 14)	NM_194363	mpp5a	7.65452252	10.0638483	-2.409325781	3.89E-09
peak_10165	chr11	29182245	29183741	88012	intron (NM_001033094_1, intron 2 of 4)	NM_001033094_1	ephb2b	7.27544218	9.684867044	-2.409424864	1.87E-08
peak_10666	chr13	3299653	3300412	-131751	Intergenic	NM_001017635	park2	5.854862259	8.264352502	-2.409490243	3.35E-08
peak_21920	chr20	30257214	30257540	139415	Intergenic	NM_001002716	allc	3.298135349	5.70773725	-2.4096019	0.000105
peak_40234	chr8	1604663	1604912	144970	Intergenic	NM_131026_1	efna5b	-0.360322949	2.049565995	-2.409888944	0.018719
peak_36503	chr1	58315424	58315674	-220150	Intergenic	NM_001113805_2	sc:d0284	0.234016866	2.64422196	-2.410205094	0.00955
peak_26693	chr13	50475907	50476424	-53245	Intergenic	NM_199981	irf2bp2a	3.740360808	6.15058712	-2.410226313	0.000699
peak_15549	chr2	13520029	13520624	4072	Intergenic	NM_001017787_1	leprot	4.839947665	7.250278095	-2.41033043	2.71E-06
peak_14306	chr13	11185204	11185936	29660	Intergenic	NM_001082952	zbtb18	5.744515468	8.154931249	-2.410415781	1.06E-06
peak_16631	chr6	13873778	13874305	-17505	Intergenic	NR_030096		4.737891097	7.148501606	-2.410610509	5.68E-06
peak_14896	chr1	4875765	4876271	-122830	Intergenic	NM_001145693	abcb6a	4.827567192	7.238412371	-2.410845178	1.68E-06
peak_29818	chr7	24327342	24327675	178455	Intergenic	NM_001076719	ccnb3	2.986785331	5.397691593	-2.410906262	0.001924
peak_9166	chr9	54651277	54652695	93734	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	8.258788907	10.66985195	-2.411063047	5.25E-09
peak_41742	chr12	32170049	32170412	34590	Intergenic	NM_001077324_1	zgc:153920	-0.360322949	2.050855122	-2.411178071	0.023794
peak_9293	chr7	53147877	53148945	16763	intron (NM_213431, intron 9 of 10)	NM_213431	hdac8	7.049067987	9.460693927	-2.41162594	6.32E-09
peak_29059	chr8	34834736	34835030	71423	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	2.751830549	5.163659346	-2.411828796	0.001541
peak_24012	chr8	28978811	28979358	60067	intron (NM_199802, intron 2 of 6)	NM_199802	kcnd3	3.774593768	6.186750784	-2.412157017	0.000258
peak_22817	chr19	44763791	44764158	-62134	Intergenic	NM_213339	ppt1	3.603853576	6.016275137	-2.412421561	0.000155

peak_23675	chr5	23819515	23819929	-9036	exon (NM_200394, exon 9 of 14)	NM_001126376	asb12a	3.906787328	6.319317504	-2.412530176	0.000223
peak_16451	chr14	14908268	14908819	-7744	Intergenic	NM_001014818	phox2bb	4.217566349	6.630172606	-2.412606257	5.10E-06
peak_43761	chr16	7744990	7745407	-106792	Intergenic	NM_001007396	mboat1	2.862128275	5.274877438	-2.412749163	0.032037
peak_12489	chr15	28113086	28113737	-86873	Intergenic	NM_200018	blmh	4.658131683	7.071337486	-2.413205803	2.17E-07
peak_29817	chr19	39972224	39972463	1387	intron (NM_212579, intron 1 of 35)	NM_212579	col9a2	3.137236739	5.550584093	-2.413347354	0.001924
peak_16589	chr9	7852215	7852856	86867	Intergenic	NM_001009886	mnx2a	5.234600929	7.647993874	-2.413392945	5.55E-06
peak_22906	chr15	8325091	8325620	58184	intron (NM_001044904, intron 5 of 9)	NM_001044904	tnfrsf19	4.994472906	7.407870178	-2.413397273	0.000162
peak_22004	chr6	38003362	38003625	-305434	Intergenic	NM_001006062	nipa1	3.434885166	5.848288829	-2.413403663	0.000109
peak_40055	chr20	14460548	14461140	-83075	Intergenic	NM_212646	grcc10	-0.360322949	2.053088178	-2.413411127	0.018176
peak_40054	chr13	52928968	52930024	6142	intron (NM_131586, intron 1 of 4)	NM_131586	valopa	-0.360322949	2.053088178	-2.413411127	0.018176
peak_23514	chr7	38048446	38048802	27703	Intergenic	NR_036681		3.540911861	5.954460604	-2.413548743	0.000208
peak_21045	chr13	3820161	3820639	58139	Intergenic	NM_001163199	dnph1	3.17667448	5.59058565	-2.41391117	6.86E-05
peak_11036	chr5	49955056	49955972	-2539	Intergenic	NR_029998		6.648701989	9.062771013	-2.414069024	5.10E-08
peak_13932	chr12	26473891	26474655	13873	Intergenic	NM_214736	calm2b	4.440971353	6.85540251	-2.414431156	7.90E-07
peak_33666	chr17	26351180	26351525	95284	Intergenic	NM_001080665	fam149b1	2.912638768	5.327353282	-2.414714515	0.005114
peak_15362	chr16	56649125	56649899	-2856	Intergenic	NM_001083010	zgc:158766	5.065285294	7.480025644	-2.414740349	2.35E-06
peak_36118	chr17	3213449	3213712	75295	intron (NM_001126427, intron 7 of 16)	NM_001126427	LOC569320	0.234016866	2.648884909	-2.414868043	0.008768
peak_16859	chr23	21159168	21159601	7407	intron (NM_001146149, intron 4 of 8)	NM_001146149	pax7b	3.728799148	6.143762382	-2.414963234	6.51E-06
peak_10159	chr25	792098	792960	-79681	intron (NM_001098393, intron 3 of 7)	NM_199725_1	twf1a	6.271312563	8.686357433	-2.41504487	1.86E-08
peak_13259	chr16	13061973	13063016	60929	Intergenic	NM_001170836	znf574	5.435363689	7.85043158	-2.41506789	4.44E-07
peak_38392	chr2	468151	468532	-58063	Intergenic	NM_212920	wrnip1	2.200926086	4.61639885	-2.415472763	0.01377
peak_36130	chr8	49115775	49116156	20260	intron (NM_001123282, intron 2 of 12)	NM_001123282	espn	2.886118348	5.301643809	-2.415525461	0.008792
peak_13112	chr20	4021356	4021946	15937	Intergenic	NM_001110475	exoc8	5.271027898	7.686716113	-2.415688215	3.94E-07
peak_14981	chr21	40267669	40268191	-48394	intron (NM_001030122, intron 4 of 8)	NM_200873	hmp19	4.228163191	6.643877597	-2.415714406	1.77E-06
peak_35663	chr1	18411901	18412721	20888	Intergenic	NM_001102393	tmem192	4.312720233	6.72894108	-2.416220847	0.00796
peak_22048	chr10	13549250	13549595	187215	intron (NM_001098242, intron 3 of 8)	NM_001098242	cntfr	2.889089251	5.305313717	-2.416224466	0.000111
peak_30495	chr21	17907767	17908128	21914	Intergenic	NM_001002475	nkx6.1	2.935977657	5.352282405	-2.416304748	0.002309
peak_22786	chr19	16638011	16639229	4122	Intergenic	NM_001040375	stmn1a	5.07640556	7.492952781	-2.41654722	0.000153
peak_18939	chr3	26264892	26265560	34579	3' UTR (NM_001040348, exon 6 of 6)	NM_001040348	rab40c	4.779451908	7.196138956	-2.416687048	2.29E-05
peak_23046	chr15	27267110	27267746	166936	Intergenic	NM_001007424	dhrs13a.3	4.307113146	6.723927365	-2.416814219	0.000172
peak_40053	chr6	36586341	36586735	157094	Intergenic	NM_001007298	opa1	-0.360322949	2.056601782	-2.416924731	0.018173
peak_16642	chr6	35701077	35701414	101012	Intergenic	NM_001079976	dmrt2b	3.340116769	5.757344673	-2.417227904	5.72E-06
peak_10296	chr1	1522287	1523160	-23420	Intergenic	NM_131687	atp1a1a.2	6.186420575	8.603823527	-2.417402953	2.18E-08
peak_13898	chr1	49068818	49069328	663085	Intergenic	NM_001115060	cxcl-c1c	4.519926288	6.937494605	-2.417568317	7.68E-07
peak_23299	chr20	34461331	34461821	16591	intron (NM_001004644, intron 10 of 19)	NM_001004644	kifap3a	4.010249339	6.428026685	-2.417777346	0.00019
peak_9820	chr9	40794362	40795293	-234733	Intergenic	NM_001161762_1	si:zfos-1425h8.1	6.532121134	8.949898657	-2.417777523	1.28E-08
peak_22019	chr9	29294960	29295284	-6561	Intergenic	NM_001076720	ccnyl1	2.871171366	5.288950739	-2.417779373	0.00011
peak_18347	chr9	765865	766338	5005	TTS (NM_131045)	NM_131045	eng1a	3.722150645	6.139937988	-2.417787342	1.65E-05
peak_29028	chr25	37312049	37312322	16768	Intergenic	NM_001089523	zgc:162267	3.057306726	5.475173527	-2.417866801	0.001524
peak_21880	chr16	24553072	24553416	12755	intron (NM_001080001, intron 6 of 11)	NM_001080001	tuft1a	4.115690573	6.533732323	-2.41804175	0.000103
peak_10443	chr19	26236167	26236812	22019	intron (NM_212563, intron 2 of 2)	NM_212563	pard6gb	6.362529673	8.780606235	-2.418076562	2.55E-08
peak_12005	chr5	56229535	56230627	-75631	Intergenic	NM_001001727_1	rgmb	6.43460136	8.852815896	-2.418214535	1.35E-07
peak_21895	chr9	31802770	31803108	49583	intron (NM_001109865, intron 3 of 5)	NM_001109865	klf12b	3.463070247	5.881300146	-2.418229899	0.000104
peak_20175	chr6	673009	673522	-64384	Intergenic	NM_001114903	cyth4b	3.693448485	6.111731169	-2.418282684	4.53E-05
peak_26136	chr1	49556579	49557022	175358	Intergenic	NM_001115060	cxcl-c1c	2.793836463	5.212175736	-2.418339274	0.000577
peak_13266	chr1	2080320	2081060	63457	Intergenic	NM_001145604	kpnb3	6.124929572	8.543404179	-2.418474607	4.48E-07
peak_16277	chr24	33383784	33384369	2401	intron (NM_131872, intron 2 of 8)	NM_131872	vim	5.706583929	8.125113978	-2.418530049	4.50E-06
peak_24916	chr23	232048	232333	-93162	Intergenic	NM_001002548	taf11	2.122017822	4.540567798	-2.418549977	0.000375
peak_19048	chr1	3296965	3297575	490401	Intergenic	NR_030045		4.84531137	7.263918778	-2.418607408	2.44E-05
peak_27715	chr16	36666730	36667008	35586	intron (NM_200670, intron 3 of 14)	NM_200670	phactr4b	2.521897487	4.940676729	-2.418779242	0.000996
peak_24017	chr4	2901374	2901866	-85283	Intergenic	NM_213494	aebp2	4.808772089	7.22756772	-2.418795631	0.000258
peak_24303	chr17	33339960	33340482	-23887	Intergenic	NM_001012313	snx9a	4.356308395	6.775539877	-2.419231482	0.000293
peak_14685	chr16	3519236	3520000	16049	intron (NM_001105701, intron 3 of 13)	NM_001105701	lars2	4.106785545	6.526467047	-2.419681502	1.44E-06
peak_15623	chr24	25687218	25687733	9918	Intergenic	NM_001100152	amer2	4.793790223	7.213479633	-2.41968941	2.85E-06
peak_34952	chr13	26327160	26327423	250194	Intergenic	NM_001040391	bcl11aa	2.33794409	4.757965855	-2.420021764	0.006794
peak_30554	chr3	30716775	30717152	-77781	Intergenic	NM_214766	med25	2.935977657	5.356055336	-2.420077679	0.002339
peak_24392	chr2	56212300	56212641	-12687	Intergenic	NM_001102574	loxl5b	3.169361555	5.589466903	-2.420105348	0.000304
peak_15829	chr24	13078419	13079157	98188	intron (NM_200925, intron 13 of 14)	NM_001080583	rdh10a	4.629942431	7.050065464	-2.420123034	3.33E-06
peak_12226	chr18	30261936	30262536	-123782	Intergenic	NM_001080807	gse1	5.374534629	7.794762707	-2.420228078	1.67E-07
peak_17290	chr13	29370206	29370513	18346	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	3.387228713	5.807506027	-2.420277314	8.47E-06
peak_16125	chr23	17771940	17772726	55733	Intergenic	NM_001030133	bhlhe23	5.817076281	8.237363618	-2.420287337	4.07E-06
peak_19916	chr2	29202706	29203133	-2982	Intergenic	NM_131110	cahz	4.209200867	6.629671673	-2.420470805	3.92E-05
peak_18943	chr9	13064930	13065663	-58090	Intergenic	NM_001122856	glb1l	5.218122651	7.638684615	-2.420561964	2.29E-05
peak_37688	chr2	38866664	38866863	54123	intron (NM_001159839, intron 1 of 16)	NM_001159839	clstn2	2.31603542	4.736731292	-2.420695872	0.012018
peak_36788	chr24	43775339	43775721	4684	intron (NM_001001838, intron 4 of 6)	NM_001001838	top1mt	2.200926086	4.621774652	-2.420848566	0.010096
peak_14704	chr10	43560603	43561053	-48385	TTS (NM_131269)	NM_001017722	dusp11	4.10167217	6.522561151	-2.420888981	1.46E-06
peak_12140	chr15	17039243	17040144	19448	Intergenic	NM_201993	arcn1b	6.901322886	9.322234285	-2.420911399	1.54E-07
peak_12441	chr2	18660365	18661482	-2058	Intergenic	NR_030086		4.832205444	7.253118231	-2.420912787	2.08E-07
peak_35093	chr14	35567882	35568494	-52666	Intergenic	NM_130946	wnt8a	0.978440673	3.399477527	-2.421036854	0.007021
peak_17519	chr22	17458	18193	7065	intron (NM_001080577, intron 2 of 2)	NM_001080577	celsr2	3.451058288	5.872126013	-2.421067725	9.91E-06
peak_10859	chr14	30376391	30376976	-268348	Intergenic	NM_001045414	zgc:153146	4.995162437	7.416243677	-2.42108124	4.18E-08
peak_20851	chr2	53981269	53981819	106179	Intergenic	NM_131876	admp	3.494735408	5.916426206	-2.421690798	6.25E-05
peak_24193	chr5	4998949	4999321	-95748	Intergenic	NM_001110024	zbtb43	4.846840202	7.268609628	-2.421769426	0.00028
peak_28079	chr6	33079900	33080312	-154818	Intergenic	NM_201143	pik3r3b	2.540911861	4.963047265	-2.422135404	0.001133
peak_18108	chr21	42788420	42788802	125686	Intergenic	NM_001105278	fgf1b	3.911263383	6.333464916	-2.422201532	1.46E-05
peak_13318	chr19	40901184	40901800	-84895	Intergenic	NM_213278	sfpq	4.19726529	6.619656046	-2.422390756	4.70E-07
peak_20010	chr16	39186169	39186548	-18367	Intergenic	NM_001200061	LOC100005807	2.559678887	4.982089358	-2.422410471	4.15E-05
peak_22476	chr22	39161115	39161434	253211	Intergenic	NM_001017600	polr2h	3.540911861	5.963775494	-2.422863633	0.000134
peak_30156	chr24	28422168	28422456	3571	intron (NM_131095, intron 1 of 16)	NM_131095	ek1	2.096540606	4.519438594	-2.422897988	0.002113
peak_27803	chr4	34957993	34959137	-143856	Intergenic	NM_001114927	zgc:174650	1.66069094	4.083611028	-2.422920088	0.001032
peak_35022	chr3	40419971	40420708	104225	Intergenic	NM_181601	actb2	3.572672044	5.995674988	-2.423002944	0.006903
peak_40193	chr21	42914470	42914802	251711	Intergenic	NM_001105278	fgf1b	1.787481669	4.21062864	-2.423146971	0.018595
peak_24393	chr25	25357056	25357392	383637	Intergenic	NM_001013512	tmem86a	3.081035483	5.504219434	-2.423183951	0.000304
peak_41658	chr16	2192274	2192653	-88758	Intergenic	NM_001013342	zgc:112964	-0.360322949	2.062922019	-2.423244968	0.023478
peak_24090	chr14	53252391	53253264	-37644	Intergenic	NM_001020587		4.137163847	6.560813747	-2.4236499	0.000267
peak_12363	chr1	4807138	4807735	-185771	Intergenic	NM_212965	nrp2a	5.755162184	8.17884801	-2.423685825	1.92E-07
peak_35536	chr3	45606442	45606796	-66571	Intergenic	NR_030667		1.938847741	4.362550248	-2.423702507	0.007735
peak_41712	chr4	46955547	46956133	202046	Intergenic	NM_001113606	zgc:173720	-0.360322949	2.063560786	-2.423883735	0.023671
peak_30091	chr8	32191676	32192021	25338	Intergenic	NM_205691	gadd45g	3.313826142	5.737716699	-2.423890557	0.002075
peak_12867	chr24	29839620	29840194	-17854	Intergenic	NM_001039930	rnpc3	6.139697052	8.563759785	-2.424062733	3.06E-07
peak_24662	chr21	16658026	16658351	189747	Intergenic	NM_001080558	zgc:158666	2.210458296	4.63455043	-2.424092133	0.000339
peak_14569	chr16	52225989	52226811	178772	Intergenic	NM_001110524	brd2b	5.039367488	7.463638754	-2.424271266	1.31E-06
peak_11338	chr16	34738183	34738615	-120093	Intergenic	NM_001130601	mms22l	4.640558768	7.064859902	-2.424301134	6.93E-08
peak_16420	chr14	44296815	44297394	-112197	Intergenic	NM_001115099	pcdh18b	3.166915653	5.591289435	-2.424373782	4.98E-06
peak_14061	chr15	2288164	2289219	107485	intron (NM_212947, intron 5 of 10)	NM_212947	rsrc1	7.196657168	9.62106715	-2.424409982	8.92E-07
peak_17730	chr21	7398307	7398980	-86284	Intergenic	NM_201054	tbca	4.475040695	6.899668606	-2.424627911	1.15E-05
peak_16499	chr7	25687632	25688035	92	promoter-TSS (NM_001077462)	NM_001077462	faah2b	3.030649868	5.455300667	-2.424650799	5.25E-06
peak_36491	chr1	22795506	22795924	-54766	Intergenic	NM_152975	mab21l2	2.751830549	5.176558538	-2.424727989	0.009528
peak_19145	chr15	40112730	40113061	90691	Intergenic	NM_001003474	spsb4b	3.449046535	5.874342981	-2.425296446	2.56E-05
peak_15452	chr17	29939787	29940349	-3622	Intergenic	NM_212954	esrrga	3.886118348	6.311711589	-2.425593241	2.53E-06
peak_12473	chr7	73592098	73592575	296021	Intergenic	NM_001115141	dhx15	4.682359636	7.108209826	-2.42585019	2.14E-07
peak_13133	chr6	26854559	26855583	-5292	Intergenic	NM_001008599	zgc:103559	6.153679392	8.579791853	-2.426112461	3.98E-07
peak_22117	chr11	31322638	31322937	-66457	Intergenic	NM_001076640	tmem178	2.451058288	4.87738071	-2.426322422	0.000115
peak_13281	chr6	50465919	50466538	63123	Intergenic	NM_001126109	mych	5.446023636	7.872445079	-2.426421443	4.57E-07
peak_12290	chr18	8123489	8123906	-79187	Intergenic	NM_001128535	si:ch211-220f12.	4.641439946	7.068131274	-2.426691328	1.78E-07

peak_37428	chr18	13534456	13535044	326121	Intergenic	NM_001089503	mlycd	1.938847741	4.365616382	-2.426768641	0.011503
peak_18154	chr7	23228356	23228810	72159	intron (NM_001166329, intron 1 of 6)	NM_001166329	nlgn2b	3.874173177	6.301069822	-2.426896645	1.49E-05
peak_25953	chr7	32182856	32183184	66727	Intergenic	NM_001020766	mcee	2.889089251	5.316160681	-2.42707143	0.000541
peak_13930	chr10	12391017	12391530	-256046	Intergenic	NM_001004502	lpar1	4.823690559	7.250849095	-2.427158537	7.89E-07
peak_18204	chr25	2632567	2633020	24685	intron (NM_001077466, intron 8 of 16)	NM_001077466	bbs4	4.829114934	7.256347152	-2.427232218	1.53E-05
peak_17806	chr15	46864248	46864670	2704	intron (NM_181331, intron 2 of 2)	NM_181331	otx5	3.027956891	5.455273101	-2.427316211	1.21E-05
peak_27546	chr19	31035554	31035934	-7760	Intergenic	NM_213223	marcksl1b	3.975729886	6.403104417	-2.427374531	0.000941
peak_41118	chr19	16239177	16239385	403461	Intergenic	NM_001040375	stmn1a	-0.360322949	2.06709154	-2.427414489	0.021746
peak_28126	chr13	36790305	36790619	2628	intron (NM_001168286, intron 1 of 21)	NM_001168286	actn1	3.073219981	5.500810568	-2.427590586	0.001151
peak_11880	chr8	49092297	49092850	-3132	Intergenic	NM_001123282	espn	5.609744952	8.037457765	-2.427712813	1.19E-07
peak_14590	chr1	54520584	54521288	8223	TTS (NM_001017750)	NM_001017750	acta1a	5.219337903	7.647198025	-2.427860122	1.33E-06
peak_10511	chr5	21446271	21447202	-48603	Intergenic	NM_001126454	fam222a	5.83954138	8.267477016	-2.427935636	2.75E-08
peak_42946	chr8	7739081	7739354	25502	intron (NM_001126386, intron 3 of 13)	NM_001126386	LOC556480	-0.360322949	2.067685952	-2.428008901	0.028349
peak_33894	chr19	17202989	17203299	-4088	Intergenic	NM_001083068	lrp12	2.972850631	5.400897687	-2.428047056	0.005395
peak_23593	chr3	12778093	12778495	-3729	Intergenic	NM_001030236	coro7	3.224639552	5.65271805	-2.428078498	0.000215
peak_15677	chr19	10865994	10866523	-36619	Intergenic	NM_001083075	znf865	4.066598018	6.49470321	-2.428105192	3.01E-06
peak_11028	chr4	10375550	10376354	78	promoter-TSS (NM_131060)	NM_131060	sema3aa	6.202964414	8.631126708	-2.428162294	5.07E-08
peak_22424	chr3	56546353	56546736	-70563	Intergenic	NM_131561	axin2	3.463070247	5.891341091	-2.428270844	0.000131
peak_12364	chr13	39811597	39812146	15721	intron (NM_001111187, intron 3 of 13)	NM_001111187	zgc:172136	6.28070812	8.70921061	-2.428502491	1.93E-07
peak_9571	chr11	14805969	14806925	212819	Intergenic	NM_212764	zgc:55741	6.608181405	9.036733656	-2.428552252	9.24E-09
peak_20102	chr10	39666176	39666822	-56649	Intergenic	NM_001001886	usp25	4.872673052	7.301405691	-2.428732639	4.37E-05
peak_17424	chr5	25871319	25871972	-1266	Intergenic	NM_130908	sox19a	4.30933272	6.738162377	-2.428829658	9.26E-06
peak_15114	chr16	56357181	56357557	5508	intron (NM_201322, intron 2 of 12)	NM_201322	atp6v1c1a	4.216384103	6.645296774	-2.428912672	1.96E-06
peak_34689	chr12	44989711	44990042	-213188	Intergenic	NM_001110011_1	dock1	3.31603542	5.744999606	-2.428964187	0.006423
peak_18544	chr3	44166926	44167357	-43434	Intergenic	NR_030104		3.632603848	6.061712285	-2.429108437	1.82E-05
peak_10000	chr24	2763098	2763935	62096	intron (NM_001105594_1, intron 4 of 5)	NM_001105594_1	fars2	6.769979453	9.199309465	-2.429330012	1.57E-08
peak_9884	chr23	34557944	34558633	199316	Intergenic	NM_001005584	chchd6a	6.053397401	8.483035279	-2.429637878	1.37E-08
peak_16246	chr19	37951854	37952178	603963	Intergenic	NM_131814	angpt2b	3.811169177	6.240871487	-2.42970231	4.40E-06
peak_17387	chr20	33442147	33442711	84193	Intergenic	NM_001044809	smek1	4.860527269	7.290339782	-2.429812513	9.06E-06
peak_17940	chr13	43492529	43493079	77629	intron (NM_214809, intron 5 of 68)	NM_214809	cdh23	4.164465597	6.59503432	-2.430568723	1.32E-05
peak_10674	chr4	5614660	5616350	461	exon (NM_131289, exon 1 of 1)	NM_131289	pou3f2a	7.742970847	10.1735939	-2.430623053	3.39E-08
peak_9970	chr9	8152286	8153225	-285827	Intergenic	NM_001109720	zgc:171776	6.461617871	8.892326929	-2.430709059	1.51E-08
peak_16731	chr7	34719247	34719671	-34947	Intergenic	NM_199986	anp32a	3.760062422	6.190957364	-2.430894942	6.06E-06
peak_10297	chr15	26552148	26552756	-160834	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	6.830274651	9.261199168	-2.430924516	2.18E-08
peak_29261	chr17	44433049	44433482	54031	Intergenic	NM_001113796	exoc5	3.947423891	6.378367493	-2.430943602	0.001645
peak_9842	chr10	45055019	45056847	334	TTS (NR_045221)	NR_045221		7.744919514	10.17600117	-2.431081652	1.30E-08
peak_33755	chr2	4687922	4688314	68607	Intergenic	NM_001009917	tfr1a	4.038776809	6.469914373	-2.431137563	0.005212
peak_15754	chr7	65183408	65184344	108106	Intergenic	NM_131287	sox17	5.592507058	8.023685974	-2.431178916	3.18E-06
peak_15764	chr8	32601963	32602246	36758	intron (NM_001007291, intron 7 of 16)	NM_001007291	oxct1a	3.10167217	5.533188456	-2.431516287	3.21E-06
peak_13144	chr7	8287818	8288407	14472	Intergenic	NM_001278828	b3gnt1	4.708711963	7.14024227	-2.431530307	4.03E-07
peak_10936	chr19	42405423	42406009	-28926	Intergenic	NM_199593	shfm1	5.494247726	7.925792128	-2.431544402	4.55E-08
peak_42892	chr7	28562327	28563013	146254	intron (NM_001123009, intron 11 of 14)	NM_001123009	sox6	2.742004936	5.173607047	-2.431602112	0.028098
peak_10703	chr3	46888553	46889144	-33236	Intergenic	NM_131449	elavl3	5.61606071	8.047920749	-2.431860039	3.47E-08
peak_25620	chr10	43893741	43894138	6844	intron (NM_213372, intron 4 of 10)	NM_213372	actr1	2.075829856	4.507703531	-2.431873675	0.000484
peak_13138	chr16	25492680	25493056	-29251	Intergenic	NM_200783	efna1b	4.344452335	6.77636924	-2.431916905	4.00E-07
peak_18534	chr18	72	887	478	intron (NM_001020634, intron 1 of 5)	NM_001020634	homer2	5.038068779	7.470041082	-2.431972304	1.82E-05
peak_9710	chr25	15188234	15189278	58025	Intergenic	NM_200452	dnajc24	6.954698856	9.386706169	-2.432007313	1.10E-08
peak_24649	chr6	15652576	15653088	4842	exon (NM_001083832, exon 2 of 2)	NM_001083832	ackr3b	2.877168754	5.309235459	-2.432066705	0.000337
peak_30475	chr16	34900177	34900571	-3117	Intergenic	NM_001007315	fbxl4	2.471023015	4.903107287	-2.432084272	0.002298
peak_28478	chr15	18797255	18797619	-2663	Intergenic	NM_212634	alcamb	3.124540972	5.556771418	-2.432230447	0.00128
peak_17047	chr24	4142991	4143465	83364	Intergenic	NM_201461	klf6a	3.544684847	5.97753691	-2.432852062	7.23E-06
peak_13884	chr17	27127460	27127935	-12718	Intergenic	NM_152967	id3	4.415380979	6.848299055	-2.432918076	7.61E-07
peak_13127	chr2	9984187	9984727	-3179	Intergenic	NM_152977	dmbx1a	5.082296101	7.515219712	-2.432923611	3.96E-07
peak_14948	chr7	28012047	28012526	42144	intron (NM_001008400, intron 13 of 14)	NM_001008400	ext2	4.254962771	6.687966797	-2.433004025	1.73E-06
peak_33703	chr6	6153570	6154024	11877	intron (NM_001079912, intron 3 of 6)	NM_001201446	rtn4a	3.139733435	5.572771307	-2.433037872	0.005146
peak_18631	chr6	18055871	18056429	57332	intron (NM_131029, intron 1 of 5)	NM_131029	ntn1a	4.602096932	7.035240293	-2.433143361	1.91E-05
peak_12467	chr17	34759834	34760332	-212986	Intergenic	NM_201291	id2a	4.447031973	6.880272555	-2.433240582	2.12E-07
peak_32592	chr5	51759075	51759330	62345	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	2.42263522	4.85604077	-2.433405551	0.00397
peak_42662	chr3	1440941	1441487	-10610	intron (NM_001258319_1, intron 6 of 10)	NM_001258236	dicp1.17	-0.360322949	2.073292992	-2.433615941	0.027137
peak_9722	chr18	24708247	24709120	5374	intron (NM_001045011, intron 2 of 3)	NM_001045011	rgma	6.875077183	9.308693339	-2.433616156	1.12E-08
peak_23160	chr4	14088493	14089036	12031	intron (NM_201489, intron 1 of 6)	NM_201489	ube2h	3.859012881	6.292709789	-2.433696908	0.000181
peak_20986	chr7	12669845	12670251	214545	Intergenic	NM_001080993	mex3b	4.538020423	6.972051588	-2.434031165	6.65E-05
peak_10965	chr7	54071241	54072120	-58122	Intergenic	NM_214816	tcf12	6.886293367	9.32042798	-2.434134613	4.69E-08
peak_17453	chr12	29952015	29952340	36432	Intergenic	NM_001002515	cdk5r1b	4.142153178	6.576444649	-2.434291472	9.45E-06
peak_29861	chr3	9855274	9855759	40734	Intergenic	NM_001113625_1	trap1	1.632603848	4.06712071	-2.434516862	0.001944
peak_11474	chr3	48850540	48851055	340083	Intergenic	NM_001079978	zgc:158309	4.722983386	7.157661399	-2.434678014	8.04E-08
peak_35538	chr20	39234743	39234982	9389	intron (NM_001030189, intron 7 of 11)	NM_001030189	cyp39a1	1.618352549	4.053204162	-2.434851613	0.007743
peak_21488	chr14	29786386	29786798	-200232	Intergenic	NM_001039064	insb	3.672909731	6.107833457	-2.434923727	8.47E-05
peak_25571	chr18	23679231	23679550	-20325	Intergenic	NM_131183	nr2f2	2.363802745	4.798726743	-2.434923998	0.000476
peak_21269	chr9	11229083	11229765	-30673	Intergenic	NM_214787	asic4a	4.433808956	6.868815225	-2.435006269	7.60E-05
peak_11668	chr3	58716773	58718158	-45543	Intergenic	NM_001161654	notum1a	6.567867394	9.002894897	-2.435027504	9.57E-08
peak_36155	chr17	22266981	22267312	55883	intron (NM_001039144, intron 1 of 5)	NM_001039144	slc8a1b	2.702019304	5.137248617	-2.435229313	0.008851
peak_40455	chr16	49383330	49383785	24958	intron (NM_131186, intron 1 of 3)	NM_131186	nr2f5	0.215200887	2.650663856	-2.435462969	0.019431
peak_31206	chr14	22063374	22064189	35858	Intergenic	NM_001256175	rnf20	4.123279948	6.558781681	-2.435501732	0.002764
peak_12558	chr11	718079	719332	-377	promoter-TSS (NM_001037576)	NM_001037576	syn2b	6.35823254	8.794029087	-2.435796548	2.31E-07
peak_30514	chr12	29172403	29172722	65304	Intergenic	NM_131425	etv4	3.368192036	5.804259851	-2.436067815	0.002318
peak_33181	chr21	20374458	20374843	28010	intron (NM_001014304, intron 2 of 6)	NM_001014304	pvrl3b	2.525720463	4.961833963	-2.436113499	0.004585
peak_19838	chr2	32411242	32411776	-21868	Intergenic	NM_001105588	puf60a	3.585656064	6.021770886	-2.436114822	3.74E-05
peak_11867	chr16	4634146	4634840	-7772	Intergenic	NM_001110349	vegfaa	4.76976623	7.205985368	-2.436219138	1.18E-07
peak_18900	chr7	55520781	55521234	48454	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	3.774593768	6.210841663	-2.436247895	2.24E-05
peak_13276	chr23	12017009	12017750	-223704	Intergenic	NM_001256764	ttll9	5.467607045	7.903989917	-2.436382872	4.56E-07
peak_18405	chr17	13895683	13896030	430751	Intergenic	NM_200482	jkamp	3.803316476	6.239746633	-2.436430157	1.70E-05
peak_14761	chr13	38686921	38687362	63682	Intergenic	NR_120381		4.717144084	7.153733853	-2.436589769	1.53E-06
peak_41765	chr14	26845873	26846474	19012	intron (NM_131402, intron 2 of 8)	NM_131402	glra1	2.986785331	5.423574147	-2.436788815	0.02385
peak_9229	chr7	20708792	20711865	-9325	Intergenic	NM_001037559	slc7a7	8.937176457	11.37400392	-2.436827459	5.74E-09
peak_17379	chr10	32737400	32737953	-269	promoter-TSS (NM_213396)	NM_213396	fez1	5.052053274	7.488942056	-2.436888782	9.02E-06
peak_19578	chr3	12376078	12376433	12766	intron (NM_001042778, intron 9 of 11)	NM_001076756	ccdc137	3.678071896	6.115012623	-2.436940727	3.24E-05
peak_33702	chr6	31593966	31594441	123167	Intergenic	NM_201025	pgm1	3.822182324	6.259308409	-2.437126085	0.005146
peak_29296	chr8	43967897	43968349	281768	Intergenic	NM_001123259	si:ch211-158d24.	3.313826142	5.7512011	-2.437374958	0.001662
peak_40076	chr12	44241328	44241927	41011	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	3.863551286	6.300984531	-2.437433245	0.018234
peak_13858	chr10	19476142	19476770	-79624	Intergenic	NM_001017805	vsig8a	4.659872185	7.097605352	-2.437733167	7.46E-07
peak_22784	chr8	27368860	27369322	-5865	Intergenic	NM_001122712	sema3bl	3.59113946	6.029019613	-2.437880154	0.000153
peak_11627	chr8	39615528	39616380	-49907	Intergenic	NM_001037569	zgc:123248	5.837620387	8.275654482	-2.438034095	9.26E-08
peak_28993	chr20	9159475	9159863	141369	Intergenic	NM_001164029	mysm1	2.618352549	5.056560298	-2.438207749	0.001508
peak_21786	chr6	51345101	51346051	179218	Intergenic	NM_001130610	rbl1	5.018491687	7.457125517	-2.43863383	9.83E-05
peak_19386	chr18	42567412	42568022	-37515	Intergenic	NM_001081628	cdon	3.986866231	6.425591645	-2.438725414	2.91E-05
peak_30389	chr17	27957551	27957812	203383	Intergenic	NM_001242995	kdm1a	2.570823028	5.009553415	-2.438730388	0.002242
peak_11952	chr23	2349653	2350361	-85323	Intergenic	NM_131230	tcp1	5.2869161	7.725735442	-2.438819343	1.29E-07
peak_22936	chr12	32709302	32709743	80766	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	3.703609243	6.142429521	-2.438820278	0.000164
peak_11578	chr18	11929564	11930149	131429	intron (NM_001099985, intron 8 of 13)	NM_001099985	hipk2	5.520405368	7.959500977	-2.439095609	8.85E-08
peak_9676	chr15	21763508	21764266	131498	Intergenic	NM_001077155	nars2	6.292272489	8.731620173	-2.439347683	1.05E-08
peak_14109	chr2	25948570	25949172	-16202	intron (NM_199703, intron 27 of 30)	NM_001042721	slc2a2	3.730456497	6.170010774	-2.439554278	9.21E-07
peak_10987	chr12	48636491	48637045	82508	Intergenic	NM_130934	hhex	6.390099807	8.82966465	-2.439564842	4.84E-08
peak_10657	chr16	52840065	52841290	209954	Intergenic	NM_001201489	efhb	7.16123461	9.60092901	-2.4396944	3.33E-08
peak_23274	chr9	22658143	22658759	89221	Intergenic	NM_001123235	arhgef7a	3.669457996	6.109401723	-2.439943726	0.000188

peak_18642	chr1	29235280	29236081	118598	intron (NM_001080616, intron 40 of 44)	NM_001126467	si:dkey-22o12.2	4.586571412	7.026594302	-2.44002289	1.92E-05
peak_18359	chr16	30683592	30684112	71821	intron (NM_001114911, intron 12 of 12)	NM_001114911	itga8	4.022555809	6.462835969	-2.44028016	1.66E-05
peak_21363	chr7	54007003	54007483	6315	intron (NM_214816, intron 1 of 12)	NM_214816	tcf12	3.293658114	5.733988911	-2.440330797	7.99E-05
peak_18376	chr15	26878201	26879102	-7376	Intergenic	NM_001110296	brip1	4.775443622	7.215929799	-2.440486177	1.68E-05
peak_8705	chr22	38852234	38853320	461132	Intergenic	NM_001113587	hykk.2	6.993600463	9.434294396	-2.440693933	2.75E-09
peak_14902	chr1	35988999	35989776	86543	Intergenic	NM_001002077	lsm6	5.446023636	7.886781912	-2.440758276	1.68E-06
peak_16412	chr19	44621714	44622360	1298	intron (NM_200545, intron 2 of 7)	NM_200545	nkain1	4.59113946	7.032083138	-2.440943679	4.94E-06
peak_16570	chr13	5458279	5458777	155558	Intergenic	NM_213234	spred2b	5.628113554	8.069110469	-2.440996915	5.48E-06
peak_28786	chr6	16032041	16032415	83240	Intergenic	NM_152964	gbx2	3.188780911	5.630009199	-2.441228288	0.001412
peak_18432	chr9	2204228	2204709	-124521	Intergenic	NM_201176	atp5g3a	3.681503107	6.122973695	-2.441470587	1.72E-05
peak_11655	chr8	30464084	30464902	-19517	Intergenic	NM_001020774	smarcad1	6.810178494	9.252040062	-2.441861568	9.50E-08
peak_10755	chr5	42068820	42069716	-41392	intron (NM_001100033, intron 4 of 4)	NM_001020676	ndufs4	6.269318729	8.711459532	-2.442140803	3.67E-08
peak_18680	chr8	18388141	18388779	-165	promoter-TSS (NM_001202434)	NM_001202434	slc44a5b	4.306002077	6.748633921	-2.442631843	1.97E-05
peak_9588	chr18	46408309	46409172	-211758	Intergenic	NM_001037706	smtla	6.476290327	8.918945097	-2.44265477	9.45E-09
peak_27220	chr9	1737430	1737696	-29175	intron (NM_001017554_2, intron 1 of 17)	NM_001017554_1		2.725478726	5.168145548	-2.442666821	0.000838
peak_11275	chr10	14831172	14831827	126734	Intergenic	NM_131366	smad2	4.72962806	7.172432734	-2.442804674	6.46E-08
peak_35234	chr24	34418016	34418248	91767	Intergenic	NM_001130617	zgc:194780	1.787481669	4.230769497	-2.443287828	0.007235
peak_15751	chr11	33239387	33240109	295753	Intergenic	NM_001160822	pcdh17	5.474080608	7.917888406	-2.443807797	3.18E-06
peak_30006	chr8	37814960	37815237	-84867	Intergenic	NM_001007207	gpkow	2.862128275	5.305963947	-2.443835672	0.002029
peak_16072	chr1	17894548	17894917	62499	exon (NM_001166048, exon 22 of 33)	NM_001166048	ptprdb	4.069219889	6.513115678	-2.443895789	3.94E-06
peak_25418	chr11	39361857	39362920	-21462	Intergenic	NR_034195		4.77784993	7.221749046	-2.443899116	0.000451
peak_12854	chr23	17464430	17465394	-60851	intron (NM_001080652, intron 2 of 7)	NM_001136250	zgc:194282	5.292569356	7.736508208	-2.443938852	3.03E-07
peak_12053	chr4	19451476	19452952	4917	intron (NM_200363, intron 1 of 4)	NM_200363	rassf8b	6.653976819	9.09792976	-2.443952941	1.41E-07
peak_9170	chr23	17950432	17951367	-3232	Intergenic	NR_030063		7.268312459	9.712418236	-2.444105777	5.28E-09
peak_19997	chr24	43827767	43828168	2809	intron (NM_001001838_1, intron 3 of 5)	NM_001001838_1	top1mt	3.496684491	5.940963651	-2.44427916	4.11E-05
peak_17681	chr12	30918564	30919047	130525	Intergenic	NM_001111150	bms1l	3.733765494	6.178047859	-2.444282365	1.11E-05
peak_11794	chr7	59330930	59332184	12339	intron (NM_001006063, intron 1 of 6)	NM_001006063	ank2b	6.149968815	8.59440027	-2.444431454	1.09E-07
peak_8792	chr20	17788042	17790367	3183	intron (NM_131081, intron 1 of 15)	NM_131081	cdh2	8.620487132	11.06504278	-2.444555647	3.12E-09
peak_24718	chr7	13140363	13140604	-49515	Intergenic	NM_001037578	fam154b	3.149677235	5.594266593	-2.444589358	0.000347
peak_13669	chr16	20824720	20825447	-106597	Intergenic	NM_199736	slc6a19b	5.137163847	7.581903089	-2.444739242	6.40E-07
peak_11612	chr8	52532597	52533126	25593	Intergenic	NM_131419	nkx2.7	5.04607651	7.491221024	-2.445144514	9.16E-08
peak_35642	chr16	51605993	51606818	-1580	Intergenic	NM_001003763	eif3ha	0.234016866	2.679269215	-2.445252349	0.007903
peak_15046	chr1	4367181	4367611	-7611	Intergenic	NM_001082796	atic	3.764922485	6.210293577	-2.445371092	1.88E-06
peak_11094	chr2	39387373	39388622	-7972	Intergenic	NM_001256642	spsb4a	7.639333402	10.08475082	-2.445417414	5.44E-08
peak_15491	chr18	27789698	27790568	-85614	Intergenic	NM_001080159	hipk3b	4.967941514	7.41370247	-2.445760956	2.59E-06
peak_16839	chr6	33452748	33453215	123325	Intergenic	NM_001287082	tmem69	3.886118348	6.332055784	-2.445937436	6.45E-06
peak_33404	chr13	7309317	7309834	-309103	Intergenic	NM_001037101	hells	3.836014389	6.281994692	-2.445980303	0.004824
peak_19573	chr24	30708691	30709164	-297063	Intergenic	NM_001099258	lppr5b	4.542799588	6.98902825	-2.446228663	3.23E-05
peak_27616	chr16	26364879	26365239	9750	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	2.363802745	4.810112421	-2.446309676	0.000964
peak_40377	chr20	8473860	8474257	122991	intron (NM_001040685, intron 2 of 25)	NM_001040685	dab1a	-0.360322949	2.086051172	-2.446374121	0.01917
peak_38172	chr7	49142670	49142975	565382	Intergenic	NM_131427	cpeb1b	2.075829856	4.522226051	-2.446396196	0.013204
peak_30710	chr10	33040333	33040678	-18629	Intergenic	NM_131076	wnt11r	2.862128275	5.308775719	-2.446647443	0.002434
peak_9830	chr1	22794371	22795488	-55552	Intergenic	NM_152975	mab21l2	7.549753	9.996622416	-2.446869416	1.29E-08
peak_21377	chr6	14600627	14600911	-249241	Intergenic	NM_201447	pou3f3b	2.90091206	5.347783492	-2.446871432	8.06E-05
peak_36204	chr16	35946653	35947411	17185	Intergenic	NM_199998	utp11l	3.365936857	5.813092662	-2.447155805	0.008924
peak_24869	chr17	4432883	4433416	297224	Intergenic	NM_212931	crls1	5.176137436	7.623522749	-2.447385313	0.00037
peak_19045	chr23	30329980	30330461	42792	Intergenic	NM_212848	uts2a	4.606563513	7.054031922	-2.447468409	2.44E-05
peak_41870	chr10	42800380	42800900	14293	intron (NM_001002414, intron 1 of 6)	NM_001002414	cabp1b	1.618352549	4.065846464	-2.447493915	0.024191
peak_39452	chr18	28023441	28024564	148255	Intergenic	NM_001080159	hipk3b	-0.360322949	2.087174936	-2.447497885	0.016428
peak_20798	chr9	24382101	24382507	9522	Intergenic	NM_213248	arl4cb	4.075753794	6.523285614	-2.44753182	6.11E-05
peak_27312	chr18	38244757	38245266	158065	Intergenic	NM_001080165	gldn	4.234085025	6.681762081	-2.447677056	0.000865
peak_26648	chr15	39536814	39537059	-16427	Intergenic	NM_131395	mtnr1ba	2.95594936	5.403960217	-2.448010857	0.000686
peak_19213	chr16	35556219	35556590	78885	Intergenic	NM_001020635	rragca	3.533336158	5.981381827	-2.44804567	2.66E-05
peak_17853	chr19	21371499	21372034	87961	Intergenic	NM_214704	cndp2	3.986866231	6.435066361	-2.44820013	1.25E-05
peak_39678	chr20	4183694	4184000	5174	intron (NM_001113647, intron 1 of 12)	NM_001113647	zgc:172112	2.664163689	5.112588955	-2.448425266	0.017064
peak_22343	chr21	20633560	20633838	16671	Intergenic	NM_001128421	or124-2	2.708761012	5.157462174	-2.448701162	0.000127
peak_41005	chr20	30359903	30360298	36692	Intergenic	NM_001002716	allc	3.122017822	5.570758478	-2.448740656	0.021302
peak_18025	chr1	34301580	34302023	16209	intron (NM_001003575, intron 10 of 17)	NM_001003575	pibf1	4.595693089	7.044617757	-2.448924668	1.38E-05
peak_11504	chr17	41597484	41598092	18130	Intergenic	NM_199658	insm1b	4.945956457	7.395015734	-2.449059277	8.25E-08
peak_14722	chr14	48098118	48099005	46734	Intergenic	NM_001080662	shisa3	6.218122651	8.667291146	-2.449168495	1.48E-06
peak_25538	chr21	30481941	30482165	321706	Intergenic	NM_001098766	zgc:165573	2.715471362	5.164750383	-2.449279021	0.00047
peak_16963	chr13	33510082	33511074	4881	exon (NM_001145573, exon 2 of 6)	NM_001145573	ccdc28b	5.894316785	8.343858447	-2.449541663	6.90E-06
peak_13697	chr22	26367653	26368283	3009	intron (NM_001018131, intron 1 of 1)	NM_001018131	vasna	4.551263923	7.000904679	-2.449640756	6.54E-07
peak_13487	chr12	36337130	36337642	32918	intron (NM_200842, intron 2 of 6)	NM_200842	qki2	4.000666855	6.450381726	-2.449714871	5.48E-07
peak_20097	chr12	43656492	43656896	-388847	Intergenic	NM_001020516	dpysl4	3.104231123	5.554346563	-2.45011544	4.36E-05
peak_16735	chr7	48356677	48357094	33940	intron (NM_001195407, intron 1 of 1)	NM_001195407	tshz3b	3.557813132	6.008111106	-2.450297974	6.07E-06
peak_17409	chr14	15930756	15931620	-499407	Intergenic	NM_001045428	rab33a	4.780205553	7.230534584	-2.450329031	9.19E-06
peak_14806	chr3	19751629	19752184	35073	intron (NM_001045364, intron 3 of 4)	NM_001045364	rnd2	5.750677468	8.201076145	-2.450398677	1.58E-06
peak_20590	chr1	39364486	39364964	-94000	Intergenic	NM_205734	vegfc	4.015775897	6.466193098	-2.450417201	5.56E-05
peak_9021	chr24	1280917	1282069	49492	intron (NM_181497, intron 2 of 16)	NM_181497	nrp1a	6.394564553	8.845052584	-2.450488031	4.33E-09
peak_31098	chr18	35493033	35493502	-65709	Intergenic	NM_001044953	qpctla	3.006230172	5.456861763	-2.450631591	0.002684
peak_15007	chr12	35012388	35012702	33179	intron (NM_212707, intron 2 of 5)	NM_212707	slc9a3r1	3.679788522	6.130458398	-2.450669877	1.81E-06
peak_19555	chr24	30998814	30999207	-6980	Intergenic	NM_001099258	lppr5b	3.5783123	6.028986703	-2.450674403	3.20E-05
peak_22418	chr24	31475267	31475697	23177	Intergenic	NM_201451	hccs	3.717144084	6.168110013	-2.450965929	0.000131
peak_21450	chr14	45354031	45354604	11519	intron (NM_182885, intron 3 of 4)	NM_182885	pcdh10b	4.600285269	7.051344048	-2.451058779	8.32E-05
peak_36283	chr3	20047501	20048168	-40207	Intergenic	NM_194417	sepw2a	3.137236739	5.588433592	-2.451196853	0.009091
peak_27767	chr11	1041329	1041764	-4071	intron (NM_212882_3, intron 5 of 8)	NR_104087		3.467052111	5.918311541	-2.45125943	0.00102
peak_23751	chr18	14966302	14966698	-6918	Intergenic	NM_205712	rfx4	4.078435017	6.529704261	-2.451269243	0.000231
peak_17523	chr15	14102753	14103197	13072	Intergenic	NM_200661	trappc6bl	4.48194438	6.933279734	-2.451335355	9.93E-06
peak_15242	chr1	50340456	50340938	19063	intron (NM_131426, intron 3 of 10)	NM_131426	lef1	5.001353433	7.453069285	-2.451715852	2.17E-06
peak_11343	chr13	34958124	34958807	44457	intron (NM_001100953, intron 12 of 12)	NM_001012376_1	ism1	6.794780667	9.246725853	-2.451945186	6.94E-08
peak_17128	chr1	5846074	5846892	151530	Intergenic	NM_001143751	erbb4a	4.707870942	7.159979076	-2.452108134	7.64E-06
peak_11270	chr14	43147816	43148384	37726	intron (NM_001012263, intron 2 of 5)	NM_001127254	nitr13	5.47901846	7.931266243	-2.452247784	6.44E-08
peak_27649	chr7	12484594	12485170	-282969	Intergenic	NM_001080704	mesdc2	3.570823028	6.023438236	-2.452615208	0.000975
peak_14431	chr12	8520454	8520737	212793	Intergenic	NM_001114592	tmem26b	3.880158125	6.332905197	-2.452747072	1.20E-06
peak_12158	chr3	10659373	10659913	36018	Intergenic	NM_130983	nog1	4.958780025	7.411602474	-2.452822449	1.57E-07
peak_12421	chr11	14867062	14867654	151908	Intergenic	NM_212764	zgc:55741	5.821359569	8.274194889	-2.45283532	2.04E-07
peak_15766	chr6	54426316	54426633	-26455	Intergenic	NM_200010	sys1	3.164465597	5.617655323	-2.453189726	3.21E-06
peak_32874	chr5	53526889	53527230	-54322	Intergenic	NM_131100	otpb	3.006230172	5.459655086	-2.453424914	0.004252
peak_36959	chr18	48164323	48165827	65224	Intergenic	NM_001007334	yif1b	4.461075187	6.914563537	-2.45348835	0.010492
peak_14596	chr23	33066634	33067041	435716	Intergenic	NM_200286	taf8	3.881650491	6.335243614	-2.453593123	1.34E-06
peak_39149	chr19	35415670	35416024	10857	intron (NM_213091, intron 1 of 21)	NM_213091	elmo1	2.751830549	5.205510717	-2.453680168	0.015676
peak_9122	chr10	28785930	28786922	12555	intron (NM_001281468, intron 2 of 29)	NM_001281468	med13a	7.122537272	9.576649879	-2.454112607	4.97E-09
peak_8872	chr21	23866376	23867709	-53880	Intergenic	NM_001004630	sc5d	6.963906765	9.418082635	-2.45417587	3.49E-09
peak_13714	chr7	25588043	25588786	30194	intron (NM_001100026, intron 16 of 25)	NM_001100026	poln	4.28916694	6.743609787	-2.454442847	6.62E-07
peak_34869	chr18	15463850	15464213	6845	intron (NM_213486, intron 2 of 3)	NM_213486	ube2na	0.944570835	3.399346737	-2.454775902	0.006664
peak_14101	chr1	46104102	46104805	195	5' UTR (NM_001024418, exon 1 of 10)	NM_001024418	Sep-03	4.632603848	7.087409452	-2.454805604	9.15E-07
peak_16186	chr17	19393788	19394017	-28433	Intergenic	NM_001029951	cyp26c1	2.964424746	5.419264511	-2.454839766	4.24E-06
peak_29975	chr17	50203132	50203442	51836	Intergenic	NM_001030234	zgc:113372	3.19853316	5.653595314	-2.455062153	0.002014
peak_14506	chr22	36050723	36051650	35842	intron (NM_173274, intron 1 of 2)	NM_173274	dag1	5.69389806	8.14913995	-2.45524189	1.27E-06
peak_34628	chr5	62044949	62045344	-482947	Intergenic	NM_001030174	lig3	2.664163689	5.11997727	-2.455813581	0.00635
peak_31379	chr14	26947674	26947883	-3058	TTS (NM_001001942)	NM_199956	g3bp1	2.66069094	5.116560263	-2.455869322	0.0029
peak_12374	chr15	38419977	38420764	188490	Intergenic	NM_173232	rps5	6.046057099	8.501933444	-2.455876345	1.94E-07
peak_26262	chr3	41905201	41905591	-6885	Intergenic	NM_130971	lfng	2.64320069	5.09929159	-2.4560909	0.000601
peak_24906	chr5	60627501	60628246	66490	Intergenic	NM_200378	zgc:64116	2.215200887	4.671366546	-2.456165659	0.000374

peak_16297	chr1	43450681	43451252	616106	Intergenic	NM_001002577	suclg1	3.84071513	6.296883681	-2.456168551	4.58E-06
peak_23020	chr5	63417147	63417623	-75201	Intergenic	NM_001040314	cldn15b	3.676353226	6.132736447	-2.456383221	0.000171
peak_8653	chr17	33042985	33044032	25500	intron (NM_131405, intron 3 of 3)	NM_131405	prox1a	7.264313715	9.721112371	-2.456798657	2.51E-09
peak_12463	chr17	41088277	41089243	-50595	Intergenic	NM_001013292	supt7l	5.833385175	8.290211831	-2.456826656	2.12E-07
peak_9042	chr7	20349383	20350276	8199	intron (NM_212868, intron 1 of 15)	NM_212868	kirrel a	6.876772819	9.333658781	-2.456885962	4.46E-09
peak_41042	chr1	5809290	5809673	114528	Intergenic	NM_001143751	erbb4a	2.862128275	5.319075038	-2.456946762	0.021463
peak_13969	chr23	35996466	35997093	26705	intron (NM_131339, intron 1 of 7)	NM_131339	rarga	5.015736251	7.472693754	-2.456957503	8.20E-07
peak_9568	chr21	25225132	25226004	-43554	Intergenic	NM_001040381	wbscr27	6.811963517	9.269596031	-2.457632514	9.19E-09
peak_24657	chr20	24561767	24562009	251979	Intergenic	NM_131459_1	pdgfra	2.200926086	4.658793851	-2.457867765	0.000338
peak_15208	chr2	21789526	21790169	10375	intron (NM_001256694, intron 1 of 9)	NM_001256694	tox	5.415350924	7.873518992	-2.458168067	2.11E-06
peak_13496	chr14	22162235	22162979	1647	intron (NM_001040390, intron 1 of 8)	NM_001040390	zgc:136929	4.823690559	7.282206852	-2.458516293	5.54E-07
peak_12878	chr15	34811204	34811701	261826	Intergenic	NM_001080189_1	zgc:158328	4.065285294	6.523902602	-2.458617308	3.11E-07
peak_27385	chr14	6295905	6296309	-60918	Intergenic	NM_001202494	LOC797948	2.521897487	4.980590051	-2.458692564	0.000887
peak_24877	chr7	45714340	45714757	-21726	Intergenic	NM_001017669	dync1li2	3.078435017	5.537310957	-2.458875939	0.000371
peak_17179	chr12	44916573	44917737	-140467	Intergenic	NM_001110011_1	dock1	5.344483904	7.80337313	-2.458889226	7.90E-06
peak_38546	chr22	21434675	21435155	37397	Intergenic	NM_213337	tmem59l	2.705394096	5.16435435	-2.458960254	0.014094
peak_21994	chr15	9166000	9166458	1083	intron (NM_001029965, intron 1 of 6)	NM_001029965	rtn2a	3.625495796	6.08453429	-2.459038495	0.000109
peak_26451	chr24	27370962	27371511	57562	intron (NM_001037676, intron 2 of 32)	NM_001037676	tnikb	3.665997984	6.125051521	-2.459053537	0.000641
peak_22714	chr18	45525447	45525860	-222432	Intergenic	NM_199925	zgc:77304	4.144641387	6.60375699	-2.459115603	0.000149
peak_11368	chr5	60603347	60603856	-64811	Intergenic	NM_001002701	tmem136b	5.315971024	7.775101469	-2.459130445	7.17E-08
peak_31710	chr13	51293014	51293348	-58279	Intergenic	NM_001045357	cox5b2	3.124540972	5.583959164	-2.459418192	0.003181
peak_12191	chr5	26540545	26541470	10285	intron (NM_001008576, intron 1 of 3)	NM_212630	ewsr1b	4.843780917	7.30326831	-2.459487393	1.62E-07
peak_14358	chr13	49442956	49443435	-40598	Intergenic	NM_182860	msh6	4.989596566	7.449411633	-2.459815068	1.11E-06
peak_9434	chr9	33184818	33185499	-26746	Intergenic	NM_001017747	coq10b	6.159860497	8.619729871	-2.459869374	7.69E-09
peak_9289	chr3	43400779	43401318	112339	Intergenic	NM_201585	micall2a	5.74656443	8.206459278	-2.459894848	6.26E-09
peak_19703	chr19	23073610	23073906	74646	Intergenic	NM_001044951	eif3eb	3.086222395	5.546127329	-2.459904934	3.46E-05
peak_25970	chr9	27762922	27763314	-600080	Intergenic	NM_001126402	si:rp71-84d19.3	2.745287581	5.205363927	-2.460076346	0.000544
peak_12221	chr15	10546985	10547619	12737	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	5.608870477	8.069255876	-2.460385399	1.66E-07
peak_38727	chr3	61567484	61568001	31172	Intergenic	NM_213338	aimp2	-0.360322949	2.100188832	-2.460511781	0.014534
peak_29175	chr25	35685073	35686332	9846	intron (NM_001076772, intron 1 of 1)	NM_001076772	klf13	5.335160088	7.795771277	-2.460611189	0.001597
peak_9661	chr18	6487384	6488041	56001	intron (NM_152983, intron 26 of 46)	NM_152983	myo7aa	6.613817609	9.074625942	-2.460808333	1.04E-08
peak_11776	chr22	25066027	25066888	-72077	Intergenic	NM_001099256	si:dkey-121a9.3	5.181564593	7.642393255	-2.460828662	1.07E-07
peak_29739	chr7	44304199	44304681	53134	intron (NM_001146305, intron 1 of 13)	NM_001146305	plxdc2	3.19853316	5.65946632	-2.46093316	0.001884
peak_10272	chr20	30328075	30328921	68294	Intergenic	NM_001002716	allc	6.126800179	8.587737357	-2.460937178	2.13E-08
peak_9927	chr14	7988306	7988880	62082	Intergenic	NM_001002626	zgc:92242	6.561336608	9.022351452	-2.461014844	1.45E-08
peak_12852	chr17	4022469	4022966	-37	promoter-TSS (NM_130948)	NM_130948	dvr1	4.423600265	6.885101997	-2.461501732	3.02E-07
peak_15576	chr20	38105654	38106154	48617	intron (NM_001044995, intron 5 of 14)	NM_001044995	galnt14	3.889089251	6.350835592	-2.461746341	2.75E-06
peak_12438	chr12	36562883	36564186	-131622	Intergenic	NM_001256248	tbccl	6.083269219	8.545083374	-2.461814156	2.08E-07
peak_14622	chr10	1154427	1155174	36103	intron (NM_001114924_1, intron 3 of 4)	NM_001114924_1	bmpr1bb	5.410736969	7.872945999	-2.46220903	1.37E-06
peak_20937	chr7	35746981	35747425	29107	Intergenic	NM_001017545	nr1h3	3.693448485	6.155781208	-2.462332723	6.51E-05
peak_26591	chr1	24085005	24085775	49884	Intergenic	NM_001003597	mnd1	3.869668115	6.332036054	-2.462367939	0.000672
peak_27018	chr20	32762386	32762655	-33124	Intergenic	NM_200618	fam84a	2.868163296	5.330875478	-2.462712182	0.000781
peak_11245	chr12	9281505	9282573	-41513	Intergenic	NM_130997	egr2b	6.109054125	8.571882904	-2.462828779	6.29E-08
peak_22249	chr12	46900461	46900864	-72924	Intergenic	NM_131640	pax2b	3.506390602	5.969349889	-2.462959287	0.000122
peak_12337	chr12	40275404	40276129	-75635	Intergenic	NM_001099246	abca5	5.19726529	7.660389714	-2.463124424	1.87E-07
peak_9208	chr12	28241269	28241914	48508	intron (NM_200874, intron 2 of 16)	NM_200874	arhgap12b	6.186420575	8.649711759	-2.463291184	5.61E-09
peak_40449	chr2	7766590	7767037	34680	intron (NM_131097, intron 5 of 15)	NM_131097	ephb3a	2.935977657	5.39933564	-2.463357983	0.019403
peak_21338	chr24	31967894	31968279	-143582	Intergenic	NR_048923		2.10167217	4.565076615	-2.463404445	7.87E-05
peak_23521	chr6	36264037	36264467	25703	Intergenic	NM_001080682	lrrc15	3.241010068	5.704852507	-2.463842439	0.000208
peak_38541	chr2	16622037	16622635	-29397	Intergenic	NM_001291499	tfa	-0.360322949	2.10358971	-2.463912659	0.014083
peak_17276	chr10	22869380	22869904	-77838	Intergenic	NM_001030178	kdm6bb	4.773790299	7.23795123	-2.464160931	8.42E-06
peak_11428	chr20	20963549	20964149	9640	Intergenic	NM_001013541	xrcc3	5.126503879	7.59066898	-2.464165102	7.62E-08
peak_13035	chr20	48792407	48793133	-3634	Intergenic	NM_205644	insm1a	5.315418998	7.779620659	-2.464201662	3.67E-07
peak_14957	chr10	35419753	35420062	-293383	Intergenic	NM_001013500	nbeaa	3.637911999	6.102418649	-2.46450665	1.74E-06
peak_10371	chr13	1741063	1742410	17793	intron (NM_001110400_1, intron 4 of 5)	NM_001110400_1	hmgcll1	6.424895237	8.889530273	-2.464635036	2.36E-08
peak_33822	chr1	39771813	39772138	21571	intron (NM_001076657, intron 1 of 2)	NM_001076657	zgc:153720	2.570823028	5.035703106	-2.464880078	0.005279
peak_9370	chr6	14049121	14050511	288	5' UTR (NM_001040318, exon 1 of 13)	NM_001040318	cacnb4b	7.269469551	9.73441057	-2.464941019	7.02E-09
peak_17357	chr20	4682878	4683711	96559	Intergenic	NM_205758	papola	5.002765615	7.467712567	-2.464946952	8.89E-06
peak_23813	chr18	46763838	46764342	123211	Intergenic	NM_001017558_1	ets1	3.241010068	5.706112357	-2.465102289	0.000238
peak_43245	chr8	41348233	41348675	31948	Intergenic	NM_001083829_1	pcsk5b	-0.360322949	2.104831477	-2.465154426	0.029732
peak_23914	chr7	56949070	56949528	52553	Intergenic	NM_001003506	trappc2l	3.65197232	6.117191434	-2.465219114	0.000248
peak_40173	chr3	19484894	19485593	-11620	Intergenic	NM_001098771	rprml	3.304825258	5.770231111	-2.465405853	0.018538
peak_36257	chr6	37536758	37537044	-35151	intron (NM_001030077, intron 16 of 16)	NM_001018141	tubgcp5	2.205700064	4.671184171	-2.465484107	0.009031
peak_8692	chr14	36257472	36258254	148303	Intergenic	NM_001007108	il12ba	7.42630196	9.892004929	-2.465702969	2.68E-09
peak_25291	chr11	43102227	43103132	907	3' UTR (NM_001105592, exon 2 of 2)	NM_001105592	her15.2	4.2140167	6.679982158	-2.465965458	0.000431
peak_39754	chr18	49007803	49008168	-1777	Intergenic	NM_001043325	loxl1	0.215200887	2.681290033	-2.466089146	0.017257
peak_33748	chr19	9221101	9221456	1641	exon (NM_001083100, exon 3 of 11)	NM_001083100	trim46b	3.250281917	5.716391766	-2.466109849	0.005203
peak_19824	chr19	5988427	5989020	76	promoter-TSS (NM_131107)	NM_131107	cyt1	3.688341143	6.154464249	-2.466123106	3.72E-05
peak_21270	chr13	29783496	29783953	41007	Intergenic	NM_001145571	chst3a	3.713796698	6.180027513	-2.466230815	7.61E-05
peak_9514	chr5	37878570	37879998	49567	intron (NM_131805, intron 2 of 4)	NM_131805	efnb1	6.736678709	9.203097494	-2.466418785	8.50E-09
peak_18923	chr9	43137290	43137743	-1564	Intergenic	NM_001020731	pcbp3	3.646715745	6.113324174	-2.466608429	2.27E-05
peak_41663	chr4	49626453	49627386	162054	Intergenic	NR_030521		-0.360322949	2.106535576	-2.466858525	0.023484
peak_14520	chr10	2119164	2119763	-129380	Intergenic	NM_131092	oep	4.251504061	6.718516966	-2.467012906	1.27E-06
peak_9913	chr14	30200482	30202052	-443764	Intergenic	NM_001045414	zgc:153146	6.475534912	8.942916526	-2.467381614	1.43E-08
peak_24381	chr20	8779237	8779615	-182377	Intergenic	NM_001040685	dab1a	3.361665472	5.82936015	-2.467694678	0.000303
peak_17913	chr24	33670348	33670922	-6995	Intergenic	NM_131816	neurod6a	3.596602092	6.06437442	-2.467772327	1.30E-05
peak_12407	chr24	29403354	29403865	-43256	Intergenic	NM_200595	fbxo45	5.578285455	8.046067904	-2.467782449	2.01E-07
peak_14177	chr17	10257335	10257961	25623	Intergenic	NM_131284	foxa1	5.691322623	8.159626844	-2.468304221	9.71E-07
peak_17281	chr6	43541638	43542264	160346	intron (NM_001039637, intron 17 of 19)	NM_001013450	zgc:113054	4.84143745	7.309914642	-2.468477192	8.42E-06
peak_9235	chr24	9038142	9039265	55945	Intergenic	NM_199567	tgif1	8.039214965	10.50783612	-2.468621153	5.78E-09
peak_15361	chr1	47941072	47941778	-1816	Intergenic	NM_131809	cx44.1	4.307113146	6.775833011	-2.468719865	2.35E-06
peak_24087	chr13	10431192	10431460	66681	intron (NM_001142592, intron 23 of 37)	NM_001142592	lrpprc	2.537128982	5.005885114	-2.468756133	0.000266
peak_23554	chr10	21304793	21305161	138299	Intergenic	NM_001201442	avd	3.205700064	5.674480567	-2.468780503	0.000211
peak_15252	chr16	32344976	32345362	-125323	Intergenic	NM_001199365	sema6e	4.022555809	6.491341816	-2.468786007	2.19E-06
peak_31300	chr23	45018832	45019132	48516	Intergenic	NM_001201337	LOC794400	2.451058288	4.920025733	-2.468967445	0.002849
peak_28439	chr4	16183538	16183812	-59595	Intergenic	NM_001033585	sox5	2.521897487	4.990904475	-2.469006987	0.001263
peak_10034	chr13	9763202	9763940	-34320	Intergenic	NM_131783	six2a	6.219632951	8.688641654	-2.469008703	1.62E-08
peak_38115	chr14	24998565	24999014	83581	Intergenic	NM_001030269	msxa	1.205700064	3.674817934	-2.46911787	0.013028
peak_8931	chr14	3048361	3049099	51731	intron (NM_001024201_1, intron 2 of 2)	NM_001024201_1	pcdh2g29	6.465354945	8.93454835	-2.469193405	3.81E-09
peak_27829	chr13	20926692	20926934	-247357	Intergenic	NM_001144786	si:ch1073-126c3.	2.521897487	4.991516737	-2.46961925	0.001041
peak_11153	chr9	27047429	27048381	-24571	Intergenic	NM_001128555	arhgap15	6.121757376	8.59171849	-2.469961115	5.80E-08
peak_22373	chr17	36794349	36794705	38728	Intergenic	NM_001128709	htr1b	2.950271315	5.420365495	-2.47009418	0.000129
peak_24387	chr9	43407983	43408247	83394	Intergenic	NM_001004010	calcrla	2.471023015	4.941245404	-2.470222388	0.000303
peak_24008	chr12	36833608	36834177	-30934	Intergenic	NM_200770	fscn2b	4.081035483	6.551291951	-2.470256468	0.000257
peak_11688	chr25	14916554	14917315	-38619	Intergenic	NM_200042	mpped2	6.180958654	8.651394258	-2.470435604	9.73E-08
peak_13820	chr12	35787078	35787551	-30069	Intergenic	NM_001030125	camk2g1	4.774593768	7.245214861	-2.470621094	7.23E-07
peak_9169	chr1	12180410	12181480	-25073	Intergenic	NM_001115058	pcdh18a	7.63812631	10.10875507	-2.470628765	5.27E-09
peak_37684	chr20	2474723	2475034	137876	Intergenic	NM_001003990	med23	2.570823028	5.041568751	-2.470745723	0.012009
peak_15164	chr7	50987688	50988089	120302	Intergenic	NM_001020629	hrasb	3.399781695	5.87059055	-2.470808855	2.04E-06
peak_9745	chr7	35474634	35476408	18434	intron (NM_131571, intron 1 of 8)	NM_131571	smad3a	7.944266619	10.41518056	-2.470913944	1.15E-08
peak_38043	chr4	52487071	52487333	1087644	Intergenic	NM_001114418	zgc:174704	0.653720264	3.124645813	-2.470925548	0.012876
peak_15312	chr9	7894639	7896405	129854	Intergenic	NM_001009886	mnx2a	6.153988177	8.625108126	-2.471119949	2.30E-06
peak_15578	chr9	48956520	48956965	-74824	Intergenic	NM_001003480	zgc:92380	3.963015635	6.434335875	-2.47132024	2.75E-06
peak_17415	chr1	1411253	1411828	-35040	Intergenic	NM_131689	atp1a1a.4	3.84071513	6.312037332	-2.471322201	9.23E-06
peak_15527	chr9	45286663	45287569	68457	exon (NM_001089474, exon 3 of 13)	NM_001089474	cerkl	5.194265903	7.665896297	-2.471630394	2.68E-06

peak_20990	chr12	37126902	37127198	-76908	Intergenic	NM_213304	socs3b	2.947423891	5.419216986	-2.471793095	6.66E-05
peak_13202	chr19	48574718	48575257	74625	Intergenic	NM_001012369	ext1b	4.422575411	6.894549843	-2.471974432	4.24E-07
peak_35228	chr16	57092211	57092642	-28768	intron (NM_001039925, intron 6 of 11)	NM_001080630	gpatch3	0.625495796	3.09815856	-2.472662764	0.007228
peak_39828	chr3	1784321	1784592	6258	exon (NM_001128299, exon 5 of 5)	NM_001128299	zgc:172051	1.205700064	3.678433777	-2.472733713	0.017498
peak_33102	chr15	1358390	1358636	-34534	Intergenic	NM_001017906	schip1	0.625495796	3.098608177	-2.473112381	0.004507
peak_13090	chr2	40850244	40850678	105131	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	4.743695067	7.216910362	-2.473215295	3.86E-07
peak_14132	chr10	10851992	10852440	-22384	Intergenic	NM_181495	nrarpa	4.568099124	7.041435272	-2.473336147	9.36E-07
peak_12446	chr7	13517871	13518412	127282	Intergenic	NM_001080696	zgc:158785	5.38985294	7.863314145	-2.473461205	2.09E-07
peak_8727	chr7	57535620	57536334	174124	Intergenic	NM_212606	cdh15	7.059848032	9.533368791	-2.473520759	2.86E-09
peak_15286	chr13	31035412	31035771	7591	intron (NM_178307, intron 2 of 3)	NM_178307	cxcl12a	3.585656064	6.059249285	-2.47359322	2.24E-06
peak_39191	chr14	5923729	5924168	-1199	Intergenic	NM_001199870	loxl3a	0.639677051	3.113311279	-2.473634228	0.015796
peak_10510	chr10	45298070	45299968	-267	promoter-TSS (NM_200592)	NM_200592	nr2f1b	7.488858029	9.962514105	-2.473656076	2.75E-08
peak_17142	chr2	22007077	22007443	16242	intron (NM_001025174, intron 1 of 1)	NM_001025174	fam110b	3.580151749	6.053863275	-2.473711526	7.69E-06
peak_14153	chr17	19600266	19600729	130513	Intergenic	NR_030652		4.341201883	6.815262779	-2.474060897	9.51E-07
peak_13850	chr7	50074665	50075080	47271	intron (NM_001123242, intron 13 of 17)	NM_001002040	cdkn1c	4.154623552	6.628806965	-2.474183413	7.39E-07
peak_12932	chr24	20495024	20495493	130011	Intergenic	NM_001077372	zgc:153639	5.457105967	7.931605342	-2.474499375	3.27E-07
peak_14420	chr1	25030714	25031193	37341	Intergenic	NM_200554	mtap	4.66161059	7.136647944	-2.475037355	1.18E-06
peak_14154	chr6	7303809	7304403	-26982	intron (NM_001007038, intron 29 of 29)	NM_131286	sox21a	4.59113946	7.066479431	-2.475339972	9.51E-07
peak_33041	chr6	8889149	8889436	-170140	Intergenic	NM_001004584	sdprb	2.751830549	5.227199876	-2.475369327	0.004435
peak_26440	chr14	29362919	29363196	89764	Intergenic	NM_001017548	zgc:113355	2.200926086	4.676339894	-2.475413807	0.000639
peak_32816	chr17	5102155	5102603	8207	intron (NM_212858, intron 1 of 6)	NM_212858	runx2a	3.25733105	5.732820538	-2.475489488	0.004188
peak_13479	chr6	36878315	36879049	-12650	Intergenic	NM_001003851	negr1	4.521841655	6.997377205	-2.475535549	5.45E-07
peak_10905	chr20	48850939	48852269	-62468	Intergenic	NM_205644	insm1a	7.349750205	9.825451795	-2.47570159	4.44E-08
peak_22307	chr25	10532155	10532709	-95373	Intergenic	NM_001039822	ehf	4.810431539	7.286356717	-2.475925178	0.000125
peak_10207	chr24	63575	64677	19113	Intergenic	NM_001045561	zgc:152808	6.380088565	8.85623837	-2.476149806	1.96E-08
peak_29351	chr4	2732179	2732485	84005	Intergenic	NM_213494	aebp2	2.834474036	5.311002678	-2.476528642	0.001685
peak_14768	chr6	14384460	14384964	-181804	Intergenic	NM_001128547	inpp4ab	3.68663467	6.163197434	-2.476562763	1.54E-06
peak_12837	chr16	3026995	3027474	134769	Intergenic	NM_001162542	adcy3l	4.64320069	7.1197742	-2.47657351	2.99E-07
peak_10389	chr10	21104622	21105253	-317623	Intergenic	NM_200782	kcnip3b	6.297049966	8.773644444	-2.476594478	2.41E-08
peak_26789	chr4	8166445	8166684	-40910	Intergenic	NM_001201412	si:dkey-48p11.3	2.664163689	5.140846707	-2.476683018	0.000726
peak_10328	chr2	41459865	41460344	33631	intron (NM_001020567, intron 1 of 14)	NM_001020567	zgc:110158	5.498144577	7.974881405	-2.476736828	2.25E-08
peak_11483	chr24	1451344	1452589	-7226	Intergenic	NM_001113644_4	zgc:172101	6.816078264	9.293001842	-2.476923578	8.10E-08
peak_16590	chr23	4165437	4166024	92754	intron (NM_181498_1, intron 2 of 5)	NM_001045332	b4galt5	4.95519948	7.432158457	-2.476958977	5.56E-06
peak_22618	chr4	11730679	11731048	50270	intron (NM_001020739, intron 3 of 3)	NM_001020739	lmo3	3.152152513	5.629403447	-2.477250934	0.000142
peak_41252	chr5	22348979	22349745	-4550	Intergenic	NM_001082812	cmklr1	-0.360322949	2.117072533	-2.477395482	0.02218
peak_24948	chr8	10828454	10828872	85997	Intergenic	NM_001077391	zgc:153997	3.563403173	6.040988557	-2.477585384	0.00038
peak_19150	chr10	45817045	45817821	36671	intron (NM_001134725, intron 2 of 20)	NM_001134725	adrbk2	4.723815645	7.201791049	-2.477975404	2.57E-05
peak_16369	chr17	33138298	33139262	-69772	Intergenic	NM_131405	prox1a	4.614715268	7.092842103	-2.478126835	4.80E-06
peak_13335	chr20	36461767	36462299	-20535	exon (NM_001013521, exon 6 of 13)	NM_001002720	lbr	5.017773628	7.495994226	-2.478220599	4.84E-07
peak_8551	chr8	54437810	54438743	-68468	intron (NM_131296, intron 3 of 12)	NM_001118893	vps13a	7.350693407	9.828933017	-2.47823961	2.23E-09
peak_10662	chr11	25878742	25879437	38061	intron (NM_200936, intron 1 of 20)	NM_200936	sulf2a	4.870376087	7.348673481	-2.478297394	3.35E-08
peak_16239	chr18	19752111	19752710	-4088	Intergenic	NM_001045133	skor1b	3.646715745	6.12526232	-2.478546575	4.38E-06
peak_33445	chr16	54740845	54742051	4391	Intergenic	NM_001142543	hmgn2	4.792204096	7.271204478	-2.479000382	0.004867
peak_15410	chr16	35100448	35100933	49632	Intergenic	NM_001114427	zgc:172323	3.720483721	6.199698355	-2.479214634	2.44E-06
peak_11742	chr24	35299008	35299963	-451	promoter-TSS (NM_214789)	NM_214789	asic1c	5.813148504	8.292645033	-2.479496529	1.02E-07
peak_29408	chr11	40218260	40218704	59760	Intergenic	NM_001017736	cldn19	2.434885166	4.9145017	-2.479616534	0.001709
peak_11540	chr18	8132162	8133129	-88135	Intergenic	NM_001128535	si:ch211-220f12.	5.474546308	7.954335165	-2.479788857	8.53E-08
peak_29113	chr22	21742312	21742742	21165	intron (NM_001045077, intron 3 of 5)	NM_001045077	shdb	2.247969535	4.728002832	-2.480033297	0.001564
peak_28999	chr5	51404010	51404338	-123399	Intergenic	NM_131180	nr2f1a	3.179103907	5.65935026	-2.480246353	0.00151
peak_41290	chr15	13306579	13307031	163518	Intergenic	NM_199847	fxyd6	2.834474036	5.314724576	-2.48025054	0.022295
peak_35713	chr25	33857463	33857774	-5200	Intergenic	NM_001080672	zgc:158624	1.243333623	3.723826871	-2.480493248	0.008049
peak_16911	chr13	45568014	45568574	73593	Intergenic	NM_130925	khdrbs1a	3.875671743	6.356422986	-2.480751243	6.72E-06
peak_20618	chr1	41301439	41301831	-6236	Intergenic	NM_001113526	hmx1	4.180387832	6.661216513	-2.480828681	5.64E-05
peak_22384	chr3	44200442	44200755	-9977	Intergenic	NR_030104		1.950271315	4.431450511	-2.481179196	0.000129
peak_14471	chr13	4956145	4956484	-215184	Intergenic	NM_001039639	abcg2c	3.804890439	6.286504847	-2.481614408	1.24E-06
peak_22724	chr23	6288968	6289375	160724	Intergenic	NM_200558	mybpha	2.803316476	5.28529472	-2.481978245	0.000149
peak_32226	chr15	25077198	25078070	61783	Intergenic	NM_001002314	hic1	3.710343543	6.192615886	-2.482272344	0.00362
peak_29502	chr19	851170	851579	-5397	Intergenic	NM_131679	eomesa	2.355234589	4.837723756	-2.482489167	0.001761
peak_10741	chr18	36981673	36982676	-210138	Intergenic	NM_200573	onecut1	5.953802019	8.436292257	-2.482490238	3.62E-08
peak_22054	chr8	11305329	11306151	75767	Intergenic	NM_001083016	fxn	4.37985538	6.862359437	-2.482504057	0.000112
peak_20509	chr22	11453533	11453872	94948	Intergenic	NM_200832	mid1ip1b	3.596602092	6.079171684	-2.482569592	5.31E-05
peak_30656	chr7	48966190	48966605	-575572	Intergenic	NM_001195407	tshz3b	3.307048351	5.789656581	-2.482608229	0.002402
peak_36608	chr7	54118109	54118418	-89890	Intergenic	NM_001077542	mtfmt	0.944570835	3.427320147	-2.482749312	0.009751
peak_10699	chr6	11818083	11818925	-95444	intron (NM_001099261, intron 2 of 2)	NM_001114580	Mar-07	5.484921659	7.967888429	-2.48296677	3.45E-08
peak_15978	chr1	55203762	55204127	-12639	Intergenic	NM_001145704	LOC100002676	3.552201346	6.03568269	-2.483481344	3.71E-06
peak_11394	chr8	54910257	54913043	-34819	Intergenic	NM_214808	fgf17	7.537003701	10.02059272	-2.483589022	7.40E-08
peak_15142	chr9	16995230	16995823	-245489	Intergenic	NM_001113633	si:dkey-103d23.5	4.932339999	7.415957536	-2.483617537	2.00E-06
peak_10891	chr24	5105500	5106327	47978	Intergenic	NM_001076612	zic4	5.690070444	8.173811387	-2.483740943	4.39E-08
peak_17990	chr10	35295813	35296195	175840	Intergenic	NM_001114706_1	zgc:174193	3.648470066	6.132234343	-2.483764277	1.36E-05
peak_12749	chr5	29361832	29362443	150069	Intergenic	NM_001013472	zgc:110340	4.791410378	7.275267516	-2.483857139	2.77E-07
peak_40978	chr15	15690004	15690442	201392	Intergenic	NM_001077156	tyw1	-0.360322949	2.12358698	-2.483909929	0.021214
peak_28553	chr21	19371705	19372067	147120	Intergenic	NM_001006022	zgc:103482	3.241010068	5.724984832	-2.483974764	0.001311
peak_19960	chr15	38105012	38105723	108286	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	4.133410493	6.617512881	-2.484102389	4.02E-05
peak_40003	chr9	11069349	11069677	73844	Intergenic	NM_001002196	gmppaa	-0.360322949	2.123787432	-2.484110381	0.01804
peak_41985	chr6	50743034	50743358	-61144	Intergenic	NM_001184955	pigu	-0.360322949	2.123828324	-2.484151273	0.024599
peak_10565	chr13	54014235	54015353	-32181	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	7.522432711	10.00661103	-2.484178315	2.93E-08
peak_19421	chr11	7840374	7840680	-284155	Intergenic	NM_213367	eltd1	3.212831541	5.69701612	-2.48418458	2.97E-05
peak_13880	chr7	66434160	66434912	103997	Intergenic	NM_001077722	tpcn2	4.822913981	7.307240223	-2.484326243	7.59E-07
peak_15845	chr1	7937850	7938285	101501	Intergenic	NM_001252630	socs1b	3.344452335	5.828821232	-2.484368897	3.38E-06
peak_10061	chr23	13870017	13870984	81894	Intergenic	NM_213334	naa10	5.363331042	7.848587198	-2.485256156	1.66E-08
peak_15707	chr16	39639383	39639874	-80225	Intergenic	NM_001089484	scmh1	4.188851241	6.674188603	-2.485337361	3.07E-06
peak_17625	chr10	28071517	28071982	340136	Intergenic	NM_152948	cxadr	4.159552967	6.644904644	-2.485351677	1.08E-05
peak_13939	chr13	5171877	5172432	73792	intron (NM_131893, intron 12 of 12)	NM_131893	meis1	4.130902821	6.616291247	-2.485388427	7.95E-07
peak_20091	chr12	29597345	29597715	299657	Intergenic	NM_001130772	zgc:195081	3.667729028	6.153144874	-2.485415846	4.34E-05
peak_8960	chr22	20697278	20698682	25636	Intergenic	NM_001037391	map2k2a	7.775213641	10.26072485	-2.485511206	3.96E-09
peak_26847	chr21	7472564	7472901	-12195	Intergenic	NM_201054	tbca	2.986785331	5.472477425	-2.485692094	0.00074
peak_14324	chr6	11850681	11851124	-66778	Intergenic	NM_001077769	wdsub1	4.511275524	6.997100793	-2.485825269	1.08E-06
peak_19879	chr25	31192928	31193364	7459	intron (NM_200881, intron 1 of 10)	NM_200881	hsd17b12a	3.801740793	6.28771213	-2.485971337	3.83E-05
peak_37536	chr9	21198001	21198458	207962	intron (NM_001159666, intron 4 of 8)	NM_001159666	igsf3	2.247969535	4.733947891	-2.485978356	0.011738
peak_23470	chr17	11029654	11029940	6923	exon (NM_214731, exon 3 of 5)	NM_214731	dact1	2.540911861	5.0268923	-2.485980438	0.000204
peak_41813	chr14	494439	494738	7055	intron (NM_001114567, intron 2 of 3)	NM_001114567	zgc:172215	0.625495796	3.111658852	-2.486163057	0.023993
peak_18788	chr23	2142386	2143232	-83687	Intergenic	NM_001002301	prdm5	4.870376087	7.356579225	-2.486203139	2.10E-05
peak_11750	chr4	18083898	18084585	17775	Intergenic	NM_001030186	lepb	5.404491329	7.891386268	-2.486894939	1.03E-07
peak_10227	chr1	50219477	50220128	60436	Intergenic	NM_001077289	tsga10	5.68535349	8.172353657	-2.487000168	2.00E-08
peak_11507	chr23	23931518	23932250	151884	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	4.888347099	7.375403583	-2.487056485	8.27E-08
peak_24578	chr10	4675747	4676184	-30701	Intergenic	NM_001002132	lppr1	3.052014612	5.539120127	-2.487105515	0.000328
peak_42275	chr4	16685965	16687871	10367	intron (NM_001123515, intron 1 of 5)	NM_001123515	nrip2	-0.360322949	2.126892405	-2.487215354	0.025552
peak_34279	chr13	27009606	27009970	13288	intron (NM_201170, intron 10 of 13)	NM_201170	vrk2	2.31603542	4.803527167	-2.487491747	0.005874
peak_12883	chr7	57620586	57621149	-114991	Intergenic	NM_212585	ist1	5.854102284	8.341824807	-2.487722523	3.12E-07
peak_10600	chr22	19916550	19917426	-41650	Intergenic	NM_199573	rgmd	5.560172133	8.048599725	-2.488427591	3.08E-08
peak_12342	chr20	9735965	9736828	24885	intron (NM_213412, intron 9 of 10)	NM_199649	zfp36l1b	6.238990865	8.727467701	-2.488476836	1.88E-07
peak_34030	chr20	30433665	30433948	29040	Intergenic	NM_001002659	rnaseh1	2.210458296	4.698998564	-2.488540268	0.005556
peak_15131	chr23	4492609	4492999	-31967	intron (NM_181498_1, intron 2 of 5)	NM_001122628	si:ch73-142c19.1	3.801740793	6.290314288	-2.488573495	1.99E-06
peak_15302	chr6	55021455	55021957	16299	intron (NM_001100137, intron 4 of 11)	NM_001100137	mybphb	4.832977038	7.321668888	-2.488691849	2.28E-06
peak_20782	chr7	13837627	13838148	-29972	Intergenic	NM_001245957	syt7b	4.294844074	6.783553074	-2.488709	6.06E-05

peak_17011	chr14	19649044	19649511	14331	Intergenic	NM_213067	dusp1	4.60751831	7.096465816	-2.488947506	7.07E-06
peak_16998	chr21	9506591	9507012	-89984	intron (NM_001080201, intron 1 of 5)	NR_030058		3.605660766	6.094706384	-2.489045618	7.03E-06
peak_20032	chr16	49281567	49282064	11619	Intergenic	NM_001003557	bola1	4.792997377	7.282106354	-2.489108977	4.21E-05
peak_26856	chr14	30229655	30230066	-415171	Intergenic	NM_001045414	zgc:153146	3.940280644	6.429883741	-2.489603096	0.000743
peak_26667	chr20	34523845	34524093	-1836	Intergenic	NM_200385	gorab	2.31603542	4.805661502	-2.489626082	0.000691
peak_15935	chr13	25233376	25233863	166872	intron (NM_001272084, intron 6 of 10)	NM_001110395	zgc:172281	3.730456497	6.220083388	-2.489626891	3.60E-06
peak_12620	chr20	8663378	8663872	-66576	Intergenic	NM_001040685	dab1a	4.367064887	6.857110309	-2.490045422	2.42E-07
peak_36759	chr18	48155936	48157525	56879	Intergenic	NM_001007334	yif1b	4.916368853	7.406456294	-2.490087442	0.010042
peak_12810	chr21	33572504	33573226	51215	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	5.211017346	7.701419433	-2.490402087	2.92E-07
peak_11696	chr18	48223852	48224584	124367	Intergenic	NM_001007334	yif1b	6.325081101	8.815493063	-2.490411962	9.76E-08
peak_36799	chr10	37129725	37130018	105708	Intergenic	NM_001007431	katnal1	2.834474036	5.324901009	-2.490426973	0.010111
peak_11383	chr5	31096143	31096673	30327	intron (NM_001114548, intron 3 of 47)	NM_001114548	cacna1ba	5.298167948	7.788720757	-2.490552809	7.34E-08
peak_17202	chr22	24573934	24574583	-22208	Intergenic	NR_029937		4.274473311	6.765060137	-2.490586826	8.00E-06
peak_15567	chr7	44808685	44809391	-48227	Intergenic	NM_131214	cdh11	3.95594936	6.44658471	-2.49063535	2.74E-06
peak_15048	chr9	49424124	49424684	21932	intron (NM_001194987, intron 1 of 80)	NM_001194987	lrp2a	4.84071513	7.331499677	-2.490784547	1.88E-06
peak_24277	chr23	3317094	3317387	106315	Intergenic	NM_131015	mafba	3.395609492	5.886476429	-2.490866937	0.000291
peak_31109	chr17	22156597	22157037	-54446	Intergenic	NM_001039144	slc8a1b	3.519982194	6.010933143	-2.490950949	0.002693
peak_15987	chr5	68130973	68131381	-42413	Intergenic	NM_131153	rxrab	3.771377205	6.263073315	-2.49169611	3.74E-06
peak_28680	chr19	100673	101106	50346	Intergenic	NM_001045306	dnajc8	2.664163689	5.156048815	-2.491885127	0.001362
peak_11833	chr12	44175001	44176185	107045	intron (NM_001080602, intron 8 of 15)	NM_001080602	ebf3	7.08198105	9.573917781	-2.491936731	1.12E-07
peak_15218	chr10	32417598	32418183	35306	intron (NM_131482, intron 2 of 26)	NM_131482	robo3	4.950982294	7.443095102	-2.492112807	2.13E-06
peak_33290	chr23	45844959	45845292	12625	intron (NM_130919_1, intron 3 of 3)	NM_001001826	zgc:85866	1.653720264	4.145837766	-2.492117502	0.004688
peak_31424	chr5	20869542	20869834	-71350	Intergenic	NM_212766	ranbp1	2.705394096	5.197722056	-2.49232796	0.002928
peak_40759	chr17	52668386	52668778	-48137	Intergenic	NM_194386	tgfb3	2.834474036	5.327004887	-2.492530851	0.02042
peak_11829	chr18	48213238	48214043	113789	Intergenic	NM_001007334	yif1b	6.860371174	9.352973479	-2.492602305	1.12E-07
peak_24499	chr3	17514436	17514779	87524	Intergenic	NM_001003433	nkiras2	2.471023015	4.963668461	-2.492645446	0.000316
peak_27110	chr6	13271670	13272425	13988	Intergenic	NM_001089501	arl6ip6	3.991020297	6.483684546	-2.492664249	0.000808
peak_13301	chr16	49387101	49388337	29120	intron (NM_131186, intron 3 of 3)	NM_131186	nr2f5	5.399781695	7.892652641	-2.492870946	4.64E-07
peak_38782	chr7	13224802	13225622	35214	Intergenic	NM_001037578	fam154b	-0.360322949	2.132584471	-2.49290742	0.0147
peak_38781	chr3	22933127	22933451	187489	Intergenic	NM_001128744	cyb561	-0.360322949	2.132584471	-2.49290742	0.0147
peak_35329	chr12	34047035	34047650	61608	Intergenic	NM_001256805	LOC557756	1.224639552	3.718028957	-2.493389405	0.007365
peak_16688	chr6	1308825	1309492	-58311	Intergenic	NM_183072	txnrd1	4.210458296	6.703991945	-2.493533648	5.91E-06
peak_13655	chr9	54943430	54944051	-158458	Intergenic	NM_001009888	sox21b	6.186136271	8.679906035	-2.493769764	6.33E-07
peak_25913	chr13	8032389	8032662	-8098	Intergenic	NM_001177461	prop1	1.831388386	4.325266755	-2.493878369	0.000535
peak_20396	chr21	3636738	3637359	52321	Intergenic	NM_175082	smad7	4.928735258	7.422930474	-2.494195216	5.07E-05
peak_23405	chr20	1605427	1605877	-163371	Intergenic	NM_001278799	lama2	2.800163388	5.294549207	-2.494385819	0.000198
peak_29169	chr18	32314467	32314873	69514	Intergenic	NM_001144796	c3orf33	3.473004376	5.967442959	-2.494438583	0.001593
peak_15132	chr1	52263144	52263907	-35065	Intergenic	NM_213556	junba	3.542799588	6.037243868	-2.494444281	1.99E-06
peak_12353	chr4	2824034	2825016	-8188	Intergenic	NM_213494	aebp2	4.988944759	7.48342162	-2.49447686	1.90E-07
peak_20479	chr13	22459242	22459767	2076	intron (NM_001201566, intron 1 of 19)	NM_001201566	usp54a	3.760062422	6.254556516	-2.494494093	5.24E-05
peak_15669	chr7	29657555	29658355	82199	Intergenic	NM_001045089	stk33	3.967238845	6.461807349	-2.494568504	2.98E-06
peak_15721	chr16	42411266	42411814	114097	intron (NM_001076716, intron 5 of 13)	NM_001076716	rbms3	4.708711963	7.203916564	-2.495204601	3.10E-06
peak_10301	chr12	45465090	45466123	-77618	Intergenic	NM_001110011	dock1	7.216653886	9.712247904	-2.495594019	2.19E-08
peak_13599	chr7	28422220	28423452	6420	intron (NM_001123009, intron 1 of 14)	NM_001123009	sox6	5.826792699	8.322598371	-2.495805673	6.02E-07
peak_15266	chr22	34318248	34319929	-3253	Intergenic	NM_001037661_1	slc6a6b	6.637236662	9.133122173	-2.495885511	2.21E-06
peak_27391	chr8	9459577	9459811	-13036	exon (NM_001075110, exon 6 of 9)	NM_131539	pim1	2.537128982	5.033032135	-2.495903154	0.00089
peak_12189	chr17	11268649	11269211	12995	intron (NM_001031668, intron 11 of 20)	NM_001031668	arid4a	5.319310882	7.815291884	-2.495981002	1.61E-07
peak_11774	chr12	32901732	32902264	-111710	intron (NM_001034980, intron 7 of 7)	NM_131259	tcf7l2	4.31265569	6.808733603	-2.496077912	1.07E-07
peak_11999	chr13	38750277	38750841	127100	Intergenic	NR_120381		5.049399991	7.54552821	-2.496128219	1.35E-07
peak_16172	chr15	24797616	24797970	14597	intron (NM_001002222, intron 1 of 9)	NM_001002222	pak4	3.226989601	5.723261201	-2.4962716	4.20E-06
peak_11202	chr8	49644698	49645336	-147452	Intergenic	NM_001144802	si:ch211-251b21.	4.687488159	7.183807852	-2.496319693	6.00E-08
peak_18525	chr6	50994186	50994978	-312530	Intergenic	NM_001184955	pigu	5.51121928	8.007569168	-2.496349888	1.81E-05
peak_18935	chr14	26841638	26842009	14662	intron (NM_131402, intron 2 of 8)	NM_131402	glra1	3.494735408	5.991212784	-2.496477376	2.29E-05
peak_8086	chr1	54593755	54594921	14110	Intergenic	NM_130954	dla	7.915072922	10.41155783	-2.496484906	1.11E-09
peak_12529	chr18	42153701	42154355	240780	Intergenic	NM_001005575	bcl9l	5.381935135	7.878540693	-2.496605558	2.25E-07
peak_13381	chr10	33038753	33039439	-20038	Intergenic	NM_131076	wnt11r	5.029977095	7.52679082	-2.496813726	5.04E-07
peak_23750	chr7	47907540	47908125	278239	Intergenic	NM_130995	ccne1	4.274407033	6.771299386	-2.496892352	0.00023
peak_30712	chr18	48159002	48160285	59792	Intergenic	NM_001007334	yif1b	4.832977038	7.329948834	-2.496971795	0.002436
peak_17252	chr6	59815698	59816267	-4189	Intergenic	NM_001080701	slc32a1	4.983395348	7.480402821	-2.497007472	8.29E-06
peak_21454	chr11	17006668	17007231	47569	Intergenic	NM_001110030	kbtbd8	4.125874362	6.622889221	-2.497014859	8.34E-05
peak_13902	chr23	17204852	17205251	-29550	exon (NM_001025450, exon 10 of 22)	NM_131386	dnmt3	4.526618979	7.023655691	-2.497036712	7.75E-07
peak_12172	chr21	22938289	22938884	86051	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	5.134662696	7.631793552	-2.497130856	1.59E-07
peak_27398	chr20	22855753	22856017	69718	intron (NM_001013564, intron 4 of 5)	NM_001013564	scfd2	2.247969535	4.745525157	-2.497555621	0.000892
peak_9361	chr15	20288009	20289181	50218	Intergenic	NM_001128755	ubash3bb	6.330024643	8.827636935	-2.497612292	6.93E-09
peak_10840	chr16	35802612	35803128	-103907	Intergenic	NM_131161	pou3f1	5.687914714	8.185870617	-2.497955902	4.06E-08
peak_37800	chr7	34968783	34969117	49323	Intergenic	NM_131780	gro1	2.912638768	5.411208479	-2.498569711	0.01228
peak_13450	chr12	26502477	26503037	42357	Intergenic	NM_214736	calm2b	4.364932445	6.863518104	-2.49858566	5.32E-07
peak_16094	chr21	37064462	37065180	52287	intron (NM_001080003, intron 3 of 5)	NM_001039927	zgc:136851	4.836828832	7.335422008	-2.498593176	3.99E-06
peak_11135	chr8	41748087	41749130	44	promoter-TSS (NM_001113624)	NM_001113624	si:ch211-170d8.2	6.36172786	8.860663824	-2.498935964	5.68E-08
peak_10972	chr20	30876643	30877455	49806	Intergenic	NM_200198	hebp2	6.169361555	8.668306781	-2.498945226	4.73E-08
peak_29555	chr13	11752650	11753157	-14006	Intergenic	NM_001013484	npm3	3.309268024	5.808314508	-2.499046484	0.00179
peak_12572	chr20	22055434	22055905	-73466	Intergenic	NM_001030136	daam1b	4.764113611	7.263500748	-2.499387137	2.33E-07
peak_15605	chr1	5362715	5363295	-5413	Intergenic	NM_001020643	klf7a	4.879411363	7.378873626	-2.499462263	2.80E-06
peak_40549	chr4	4067398	4067734	61208	Intergenic	NM_213428	cd9b	-0.360322949	2.139187264	-2.499510213	0.019796
peak_10892	chr7	50079911	50080884	41746	intron (NM_001123242, intron 13 of 17)	NM_001002040	cdkn1c	7.195907589	9.695935211	-2.500027622	4.40E-08
peak_18775	chr15	24551543	24551903	-44823	intron (NM_001003611, intron 8 of 9)	NM_001007458	vps53	3.554074368	6.054181129	-2.500106761	2.08E-05
peak_11091	chr10	745150	746495	-68380	Intergenic	NM_001080607	glis3	5.938088916	8.438367473	-2.500278557	5.42E-08
peak_21546	chr6	33139154	33140020	-95337	Intergenic	NM_201143	pik3r3b	4.355234589	6.855605857	-2.500371268	8.75E-05
peak_14199	chr16	21057158	21058185	70768	Intergenic	NM_001098779	rapgef5b	6.488382641	8.98882774	-2.500445099	9.85E-07
peak_30919	chr12	13822700	13823180	-401725	Intergenic	NM_131014	cmn	3.188780911	5.689262202	-2.500481291	0.002564
peak_8517	chr10	41580005	41580618	-69797	Intergenic	NM_001080188	git2b	6.987885659	9.488390188	-2.500504528	2.16E-09
peak_14019	chr17	16486256	16486792	80100	intron (NM_001045263, intron 2 of 5)	NM_001045263	foxn3	4.395609492	6.896164375	-2.500554884	8.57E-07
peak_9823	chr20	21479058	21479811	16078	intron (NM_131862, intron 2 of 25)	NM_131862	jag2b	5.605687106	8.106268925	-2.500581819	1.28E-08
peak_33869	chr20	55184042	55184786	130169	Intergenic	NM_212962_1	pak7	0.215200887	2.715798657	-2.50059777	0.005359
peak_12523	chr14	37400250	37401006	-45977	Intergenic	NM_130975	pitx2	4.926525907	7.427179116	-2.500653209	2.24E-07
peak_9994	chr14	32857276	32858588	28562	Intergenic	NM_001001950	zic3	6.41898268	8.919716186	-2.500733506	1.55E-08
peak_39914	chr19	18440634	18441048	2859	Intergenic	NR_030124		2.467052111	4.967971806	-2.500919695	0.017739
peak_8310	chr10	39419391	39420537	-4027	Intergenic	NR_030069		6.907196485	9.408267047	-2.501070562	1.61E-09
peak_30662	chr8	54851338	54851663	19164	intron (NM_131794, intron 6 of 8)	NM_131794	nr5a1a	1.806462687	4.308112023	-2.501649335	0.002405
peak_43399	chr19	49407230	49407733	599	exon (NM_200726, exon 2 of 6)	NM_200726	scg5	-0.360322949	2.141386743	-2.501709692	0.030408
peak_9912	chr15	29118373	29119055	-25963	intron (NM_001076633, intron 10 of 10)	NR_030050		6.650028891	9.151820154	-2.501791262	1.43E-08
peak_14458	chr2	56840394	56840798	64774	Intergenic	NR_105069		4.276743633	6.77876446	-2.502020827	1.22E-06
peak_11680	chr3	23510776	23511224	-1415	Intergenic	NM_199214	col1a1a	4.665081128	7.167367726	-2.502286599	9.66E-08
peak_17176	chr21	15666704	15667163	103870	Intergenic	NM_001030277	atp2a2b	4.879367786	7.381836897	-2.502469111	7.88E-06
peak_10363	chr6	43577651	43578538	196489	intron (NM_001039637, intron 9 of 19)	NM_001013450	zgc:113054	5.992747634	8.495229802	-2.502482167	2.33E-08
peak_23933	chr13	45144665	45145092	213270	Intergenic	NM_001030175	zfand3	3.241010068	5.743763297	-2.502753229	0.00025
peak_27535	chr10	8013701	8014002	15146	exon (NM_201085, exon 9 of 11)	NM_201085	hmgcs1	3.174240955	5.676999253	-2.502758298	0.000937
peak_16326	chr23	34565203	34565798	206528	Intergenic	NM_001005584	chchd6a	4.593873361	7.096652972	-2.50277961	4.66E-06
peak_30042	chr6	25220781	25221072	466660	Intergenic	NM_212689	lmo4b	0.653720264	3.156549512	-2.502829248	0.002048
peak_13744	chr18	24814095	24814564	21212	intron (NM_153662, intron 5 of 5)	NM_153662	st8sia2	5.769789739	8.273300318	-2.503510579	6.79E-07
peak_9014	chr9	47061864	47062500	78864	intron (NM_001039358, intron 8 of 24)	NM_001039358	hdac4	6.066598018	8.570146378	-2.50354836	4.26E-09
peak_18478	chr11	44386684	44387090	-101450	Intergenic	NM_214686	sult6b1	2.975648359	5.479338834	-2.503690475	1.76E-05
peak_16488	chr14	45362199	45362672	3401	intron (NM_182885, intron 1 of 4)	NM_182885	pcdh10b	4.48194438	6.985978049	-2.50403367	5.22E-06
peak_26496	chr21	22915493	22915845	108968	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	3.385125888	5.889212763	-2.504086874	0.000652
peak_17293	chr16	54963901	54964241	70002	Intergenic	NM_001082926	si:ch211-107n13.	3.344452335	5.848559983	-2.504107648	8.49E-06

peak_18575	chr1	42602497	42603124	-59426	Intergenic	NM_001159372	ctnna2	4.485931801	6.990165421	-2.504233619	1.85E-05
peak_12354	chr19	46706290	46706760	-160206	Intergenic	NM_001083814	ptpro	4.336856522	6.841136412	-2.50427989	1.90E-07
peak_19476	chr24	3162353	3162628	1944	intron (NM_212751, intron 1 of 3)	NM_212751	fam69c	3.114421786	5.618734929	-2.504313143	3.05E-05
peak_40185	chr20	25114433	25114808	-121975	Intergenic	NM_001044979	epha7	2.784293744	5.289012866	-2.504719122	0.018565
peak_29500	chr18	17580852	17581389	-78935	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	3.863639399	6.36856343	-2.504924031	0.001759
peak_9180	chr12	464350	465395	10997	Intergenic	NM_001020657	dhrs7cb	5.987192641	8.492118789	-2.504926148	5.35E-09
peak_30101	chr7	173734	174016	73797	intron (NM_001079984, intron 1 of 8)	NM_001079984	nrxn2b	0.978440673	3.483429903	-2.504989231	0.00208
peak_16999	chr11	26804892	26805284	-18317	Intergenic	NM_001102617	tmem51b	4.613817609	7.118964812	-2.505147203	7.04E-06
peak_12900	chr9	14799948	14800405	-19110	Intergenic	NM_212966	nrp2b	4.726309548	7.231476372	-2.505166823	3.16E-07
peak_19066	chr5	28153515	28153772	-15841	Intergenic	NM_001128534	arvcfb	3.019847667	5.525030813	-2.505183147	2.46E-05
peak_14884	chr7	33859008	33859683	-83528	Intergenic	NM_205624	fshb	5.175493722	7.680792158	-2.505298436	1.66E-06
peak_12110	chr9	42901059	42901669	-86138	Intergenic	NM_001039630	col18a1	4.446023636	6.951398739	-2.505375103	1.49E-07
peak_12606	chr18	5156515	5158377	-71006	Intergenic	NM_001171590	cplx3b	7.266028819	9.771511401	-2.505482582	2.40E-07
peak_22519	chr21	36001516	36001828	-60501	Intergenic	NM_001002534	nop16	2.086222395	4.591723523	-2.505501128	0.000136
peak_17173	chr14	8517796	8518497	-46863	Intergenic	NM_001002333	stx5a	5.200856343	7.706401908	-2.505545566	7.87E-06
peak_39106	chr18	32334224	32334666	49739	Intergenic	NM_001144796	c3orf33	2.521897487	5.027929966	-2.506032479	0.015549
peak_12161	chr7	6270382	6270849	-51636	exon (NM_001031840, exon 22 of 40)	NM_153674	vangl2	4.219927938	6.726124218	-2.506196279	1.57E-07
peak_12027	chr15	15265233	15265757	61346	intron (NM_001020595, intron 1 of 7)	NM_001017695	rnmtl1a	4.870376087	7.376647153	-2.506271066	1.37E-07
peak_30788	chr16	34840971	34841545	-33033	Intergenic	NM_131160	pou3f2b	3.795328417	6.301881167	-2.50655275	0.002477
peak_28450	chr9	53736563	53736932	204864	Intergenic	NM_001030165	Mar-04	2.834474036	5.341027997	-2.506553961	0.001268
peak_16748	chr7	17642029	17642503	160980	Intergenic	NM_131158	dbx1a	4.98547888	7.492086509	-2.506607629	6.12E-06
peak_22555	chr18	2615999	2616435	30640	intron (NM_001244879, intron 1 of 7)	NM_001045470	fam168a	3.331406352	5.838617752	-2.5072114	0.000139
peak_35591	chr3	32955587	32956475	-519	promoter-TSS (NM_131188)	NM_131188	mylpfa	4.004861327	6.512088611	-2.507227285	0.007833
peak_37036	chr21	26953328	26953758	768	intron (NM_001098255, intron 1 of 6)	NM_001098255	zgc:165604	3.149677235	5.657069094	-2.507391859	0.010632
peak_10094	chr2	46504436	46505263	-62110	Intergenic	NM_201020_1	gpc1b	6.384042612	8.891507104	-2.507464492	1.73E-08
peak_23915	chr25	37934096	37934498	163764	intron (NM_200913, intron 8 of 8)	NM_200913	wwox	3.482985287	5.99057666	-2.507591373	0.000248
peak_9480	chr23	2281059	2281675	-153963	Intergenic	NM_131230	tcp1	6.24570415	8.753352028	-2.507647878	8.16E-09
peak_29081	chr19	3922562	3922856	21222	Intergenic	NM_131519	edn1	2.664163689	5.17204002	-2.507876331	0.00155
peak_11378	chr7	67669165	67669942	-244390	Intergenic	NM_212949	pth1b	6.281556237	8.789527892	-2.507971655	7.27E-08
peak_13265	chr11	33278307	33279184	256756	Intergenic	NM_001160822	pcdh17	6.580597843	9.088884958	-2.508287114	4.47E-07
peak_23122	chr15	4223088	4223478	57498	intron (NM_131670, intron 5 of 6)	NM_131670	atp1b3b	3.374565546	5.882879396	-2.50831385	0.000178
peak_9699	chr9	52980230	52980918	-66923	Intergenic	NM_001076600	tank	7.064464235	9.572844454	-2.50838022	1.08E-08
peak_19151	chr6	6479638	6479992	71987	Intergenic	NM_001100951	bcl11ab	3.038698769	5.547176843	-2.508478073	2.57E-05
peak_14574	chr12	43741193	43741744	-473621	Intergenic	NM_001020516	dpysl4	4.676353226	7.184842022	-2.508488796	1.31E-06
peak_24675	chr15	14582114	14582574	46717	intron (NM_205762, intron 1 of 7)	NM_205762	traf4a	4.323741357	6.832296608	-2.508555252	0.000342
peak_9001	chr9	13453996	13454954	57658	intron (NM_001128362, intron 3 of 7)	NM_001128362	si:dkey-56k23.2	7.465969596	9.974591618	-2.508622021	4.22E-09
peak_11893	chr20	33429466	33430160	96449	Intergenic	NM_212614	mycn	5.61336857	8.122071855	-2.508703285	1.21E-07
peak_32047	chr17	39122339	39122724	-67634	intron (NM_212821, intron 9 of 16)	NM_001017770	slc24a4a	2.200926086	4.709812909	-2.508886822	0.003471
peak_17344	chr2	41968309	41968664	-6328	Intergenic	NM_182864	keap1a	3.030649868	5.53984731	-2.509197443	8.74E-06
peak_13298	chr15	23057116	23057633	-4122	Intergenic	NM_001077731	zgc:154093	4.634375402	7.143591752	-2.50921635	4.62E-07
peak_12227	chr7	32924488	32925624	-149120	Intergenic	NM_001199362	cilp	6.494233498	9.003527568	-2.50929407	1.67E-07
peak_22431	chr6	21015400	21015866	-14516	Intergenic	NM_205740	barhl2	3.561542232	6.07120466	-2.509662428	0.000132
peak_15115	chr9	5398864	5399264	-36516	Intergenic	NM_001037685	abhd13	4.021202373	6.531114429	-2.509912055	1.97E-06
peak_15388	chr19	29832132	29832618	11794	exon (NM_198980, exon 2 of 9)	NM_198980	ldlrap1a	4.343369665	6.85352994	-2.510160276	2.40E-06
peak_22364	chr7	44554501	44555038	12629	intron (NM_001105587, intron 11 of 12)	NM_212671	orc6	3.755185932	6.265453899	-2.510267967	0.000128
peak_12138	chr1	36179687	36180119	34852	Intergenic	NM_212807	pou4f2	5.230507512	7.74111737	-2.510609858	1.54E-07
peak_18550	chr6	44841616	44842077	-508564	Intergenic	NM_001256392	pdzrn3b	3.804890439	6.315539809	-2.51064937	1.83E-05
peak_12447	chr5	8622436	8623008	63562	exon (NM_001002654, exon 5 of 14)	NM_001002654	pdlim5a	5.160167961	7.671071012	-2.510903051	2.10E-07
peak_31731	chr2	4456352	4456758	-26601	Intergenic	NM_199681	phb2a	2.238682765	4.749658463	-2.510975698	0.003201
peak_15649	chr7	33411429	33412001	-56415	Intergenic	NM_200239	kif18a	4.895751498	7.406846349	-2.51109485	2.91E-06
peak_17768	chr17	42131508	42132151	23933	intron (NM_001098390, intron 6 of 14)	NM_001098390	zgc:162576	4.368129927	6.879493448	-2.51136352	1.18E-05
peak_20847	chr15	34105761	34106244	56063	Intergenic	NM_213160	sh3bp5la	3.90687284	6.418370622	-2.511497782	6.24E-05
peak_32387	chr23	24936050	24936465	26385	Intergenic	NR_030031		3.898051465	6.409705302	-2.511653837	0.003771
peak_13996	chr13	26418747	26419767	342160	Intergenic	NM_001040391	bcl11aa	5.519926288	8.031615752	-2.511689464	8.41E-07
peak_21792	chr3	39997967	39998720	51054	exon (NM_001045469, exon 7 of 22)	NM_001045469	llgl1	3.828296123	6.340186536	-2.511890413	9.87E-05
peak_13797	chr9	11744830	11745583	-63051	Intergenic	NM_001003508	cdk5r2b	4.385125888	6.897046979	-2.51192109	7.07E-07
peak_16270	chr14	18323312	18324359	108773	intron (NM_001166332, intron 2 of 4)	NM_001166332	nlgn3a	5.776647278	8.288743889	-2.512096611	4.48E-06
peak_8911	chr6	33203684	33204413	-30876	Intergenic	NM_201143	pik3r3b	6.194866279	8.707053922	-2.512187643	3.71E-09
peak_10457	chr19	15035084	15035727	32080	intron (NM_001135132, intron 1 of 2)	NM_001135132	si:ch211-206a7.2	5.117628607	7.629837195	-2.512208588	2.60E-08
peak_13622	chr4	16088941	16089691	34764	intron (NM_001033585, intron 3 of 14)	NM_001033585	sox5	5.245141475	7.757377215	-2.51223574	6.17E-07
peak_10556	chr7	50070650	50071222	51207	intron (NM_001123242, intron 13 of 17)	NM_001002040	cdkn1c	5.704080267	8.216519457	-2.512439189	2.90E-08
peak_9760	chr18	1823196	1823897	-125849	Intergenic	NM_001030257	rab27a	5.702814493	8.215336049	-2.512521556	1.18E-08
peak_38067	chr4	29742245	29742684	57100	Intergenic	NM_001114486	zgc:174314	-0.360322949	2.152383063	-2.512706012	0.012919
peak_19227	chr22	31341971	31342714	-5245	Intergenic	NR_030119		5.251504061	7.764373461	-2.5128694	2.67E-05
peak_13498	chr17	20911848	20912417	-15906	Intergenic	NM_131333	vsx1	5.55547754	8.068424525	-2.512946985	5.54E-07
peak_17373	chr8	51396443	51396744	18231	intron (NM_001080050, intron 9 of 13)	NM_001080050	rad21l1	3.447031973	5.959988522	-2.512956549	8.95E-06
peak_8300	chr8	18024891	18025605	10598	intron (NM_130935, intron 1 of 6)	NM_130935	skia	6.552215014	9.065204436	-2.512989422	1.59E-09
peak_8374	chr24	35404552	35405600	33391	Intergenic	NM_174861	gbx1	6.603201681	9.116271655	-2.513069973	1.76E-09
peak_13983	chr18	46332133	46332579	-288142	Intergenic	NM_001037706	smtla	5.248037038	7.761280806	-2.513243768	8.28E-07
peak_9313	chr21	28870389	28871074	-15536	intron (NM_001013344, intron 3 of 3)	NM_001173499	slc23a1	6.967083629	9.480491625	-2.513407997	6.52E-09
peak_12445	chr2	44075872	44076926	23800	intron (NM_001130651, intron 1 of 14)	NM_001130651	kirrelb	5.537101359	8.050521336	-2.513419977	2.09E-07
peak_33499	chr1	25777886	25778263	-29492	Intergenic	NM_201116	sh3gl2	0.653720264	3.167170679	-2.513450414	0.004916
peak_20615	chr6	30435426	30435920	39504	Intergenic	NM_001037669	insl5a	4.382958521	6.896456036	-2.513497515	5.62E-05
peak_18988	chr4	14189648	14190047	-20809	Intergenic	NM_131680	nrf1	3.027956891	5.541484801	-2.51352791	2.36E-05
peak_21938	chr20	33487539	33488163	38771	Intergenic	NM_001044809	smek1	4.265356126	6.77893626	-2.513580134	0.000106
peak_25607	chr1	35071728	35072235	2606	intron (NM_001003527, intron 1 of 3)	NM_001003527	kctd15b	3.789072994	6.302759376	-2.513686382	0.000482
peak_20285	chr24	24179788	24180326	99275	Intergenic	NM_001075111	hnf4g	4.210389012	6.724094656	-2.513705644	4.80E-05
peak_10359	chr14	5395388	5396159	3748	TTS (NM_001007134)	NM_001007134	lbx2	6.100390989	8.614236618	-2.513845629	2.33E-08
peak_11103	chr17	41576845	41578773	-1849	Intergenic	NM_199658	insm1b	6.97464064	9.488688432	-2.514047792	5.48E-08
peak_11364	chr23	23814271	23814690	34480	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	4.391425188	6.905553579	-2.514128391	7.11E-08
peak_13083	chr22	18437270	18437817	25364	exon (NM_001278856, exon 9 of 9)	NM_001278856	mef2b	6.132802262	8.647008272	-2.514206011	3.82E-07
peak_43108	chr25	15410308	15410668	-100092	Intergenic	NM_131304	pax6a	-0.360322949	2.153922772	-2.514245721	0.029038
peak_13711	chr8	16129416	16130254	-307356	Intergenic	NM_001017814	spata6	4.608419895	7.122805194	-2.514385298	6.62E-07
peak_13325	chr7	31994467	31995096	31775	Intergenic	NM_199430	ccnb2	6.185816673	8.700229883	-2.514413211	4.74E-07
peak_8343	chr2	51573661	51574753	23880	Intergenic	NM_001007784	crygn1	8.052642691	10.56715456	-2.51451187	1.68E-09
peak_16517	chr23	13552329	13552875	-163606	Intergenic	NR_030650		4.530429481	7.04497013	-2.514540649	5.34E-06
peak_25939	chr19	6929094	6929473	78552	Intergenic	NM_131684	atp1a3a	2.471023015	4.985583891	-2.514560875	0.000539
peak_39507	chr15	18339273	18339594	-20003	Intergenic	NM_205649	zgc:77784	2.521897487	5.036824493	-2.514927006	0.01665
peak_13242	chr15	4093429	4094102	-107623	Intergenic	NM_199855	rnf168	4.980571993	7.495789808	-2.515217815	4.37E-07
peak_25239	chr9	45180100	45180601	175223	intron (NM_001089474, intron 6 of 12)	NM_001089474	cerkl	3.745383221	6.260690637	-2.515307416	0.000422
peak_16997	chr2	5930811	5931516	3680	intron (NM_001077600, intron 1 of 3)	NM_001077600	ppm1la	4.782650538	7.298037694	-2.515387156	7.02E-06
peak_30048	chr12	45721135	45722056	-155706	Intergenic	NM_001202472	LOC100006246	1.639677051	4.155380482	-2.515703431	0.002051
peak_18439	chr8	50511736	50512032	-250373	Intergenic	NM_001128741	zgc:195023	3.093967964	5.609777713	-2.515809749	1.72E-05
peak_18839	chr7	51913497	51913873	-46206	Intergenic	NM_001127470	hypk	3.093967964	5.609797664	-2.5158297	2.17E-05
peak_14124	chr14	24218123	24218548	-350730	Intergenic	NM_001039461	med12	3.953113131	6.468989833	-2.515876702	9.34E-07
peak_33368	chr10	46129180	46129477	151159	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	0.653720264	3.169736111	-2.516015847	0.004782
peak_43997	chr10	23089094	23089702	-2085	Intergenic	NM_214681	arrb2a	-0.360322949	2.155703238	-2.516026187	0.032944
peak_43999	chr22	31130806	31131140	203275	Intergenic	NM_001013572	si:dkeyp-34c12.1	-0.360322949	2.155703238	-2.516026187	0.032944
peak_43996	chr10	847927	848281	-137688	Intergenic	NM_001099984_1	unc5c	-0.360322949	2.155703238	-2.516026187	0.032944
peak_43998	chr15	31848659	31849065	36466	Intergenic	NM_001076771	vwde	-0.360322949	2.155703238	-2.516026187	0.032944
peak_43059	chr2	42910575	42911166	54722	intron (NM_001143752, intron 11 of 15)	NM_001143752	adcy8	1.205700064	3.722003285	-2.516303221	0.028861
peak_8601	chr3	14472451	14473178	99757	intron (NM_001040248, intron 3 of 10)	NM_001040248	nfixb	6.531883551	9.048311186	-2.516427634	2.37E-09
peak_37043	chr12	27065826	27066193	-62393	Intergenic	NM_131363	six3b	2.091390725	4.608071405	-2.51668068	0.010642
peak_28835	chr20	1645477	1645868	-123351	Intergenic	NM_001278799	lama2	3.723815645	6.240893957	-2.517078312	0.001432
peak_16890	chr12	38677104	38677490	160218	Intergenic	NM_001040355	pmp22b	3.327031342	5.844194792	-2.517163449	6.63E-06

peak_10150	chr14	5807872	5809373	14571	Intergenic	NM_001105124	kazald2	6.911242071	9.428611932	-2.517369861	1.84E-08
peak_11090	chr17	38045194	38045766	-54776	Intergenic	NM_001077519	plekhh1	4.991020297	7.508495	-2.517474702	5.41E-08
peak_15844	chr2	5923567	5924064	11028	intron (NM_001077600, intron 1 of 3)	NM_001077600	ppm1la	4.174240955	6.691738761	-2.517497806	3.38E-06
peak_22062	chr18	25668904	25669369	-30178	Intergenic	NM_001128352	sema4ba	3.790662565	6.308225646	-2.517563081	0.000112
peak_12955	chr19	13229349	13230016	40852	Intergenic	NM_001044994	si:ch211-105d11.	5.902426009	8.420058287	-2.517632278	3.35E-07
peak_16503	chr1	32637947	32638221	380946	Intergenic	NM_001145576	gyg2	3.088808875	5.606484977	-2.517676102	5.27E-06
peak_14701	chr17	24195483	24196230	48931	Intergenic	NM_131250	otx1b	5.07640556	7.594090794	-2.517685234	1.46E-06
peak_11801	chr24	43577239	43578092	119	exon (NM_001007435, exon 1 of 14)	NM_001007435	arhgap28	5.520884289	8.038624902	-2.517740613	1.09E-07
peak_16195	chr15	27099763	27100333	-40811	Intergenic	NM_131216	lhx1a	4.953822712	7.471684336	-2.517861624	4.27E-06
peak_39690	chr8	23834033	23834452	3995	intron (NM_001110398, intron 1 of 4)	NM_001110398	samd10a	2.42263522	4.940594356	-2.517959137	0.017118
peak_20562	chr1	8742475	8742860	-13858	Intergenic	NM_001177493	ugt5b1	3.698537809	6.216696342	-2.518158533	5.49E-05
peak_15450	chr13	6419180	6419707	-50947	Intergenic	NM_001025502	h2afy2	4.581070594	7.099231102	-2.518160508	2.52E-06
peak_12662	chr3	41796510	41797286	-10938	Intergenic	NM_001003430	grifin	5.851439216	8.369849823	-2.518410607	2.53E-07
peak_20794	chr6	2807419	2807936	-333711	Intergenic	NM_200355	st3gal3a	4.708761012	7.227250809	-2.518489797	6.09E-05
peak_8781	chr20	36583604	36584961	57639	intron (NM_001013521, intron 1 of 12)	NM_001013521	enah	7.185203704	9.703694199	-2.518490495	3.06E-09
peak_31111	chr6	32810273	32810550	35927	Intergenic	NM_001042687	pomgnt1	2.42263522	4.941165916	-2.518530697	0.002694
peak_29449	chr5	19420922	19421373	-137840	Intergenic	NM_001100015	chfr	2.664163689	5.182904975	-2.518741286	0.00173
peak_21242	chr11	44340946	44341542	73355	Intergenic	NM_212914	foxg1b	3.986866231	6.505628932	-2.518762701	7.53E-05
peak_22757	chr16	54668622	54668937	-42397	Intergenic	NM_213187	dhdds	2.459077363	4.97817423	-2.519096867	0.000151
peak_31021	chr5	11992745	11993154	-41909	Intergenic	NM_203478_1	rtn4r	3.860615567	6.379819408	-2.519203841	0.002632
peak_38239	chr23	46375714	46376021	-1141	Intergenic	NM_001089340		-0.360322949	2.158935975	-2.519258924	0.013368
peak_23902	chr21	6972958	6973385	-123440	Intergenic	NM_001003459	crhbp	2.978440673	5.497867891	-2.519427218	0.000247
peak_17263	chr12	24943598	24943863	97156	Intergenic	NM_131784	bambia	3.226989601	5.746474172	-2.519484571	8.35E-06
peak_23256	chr19	37246350	37247044	35046	Intergenic	NM_001003601	trappc3	4.743647192	7.263135651	-2.51948846	0.000187
peak_32279	chr2	7189482	7189774	-52931	Intergenic	NM_001271291	agrp2	2.614767619	5.1344298	-2.519662181	0.003671
peak_23059	chr22	21335046	21335520	31757	intron (NM_001202512, intron 3 of 17)	NM_001202512	ssbp4	4.291414275	6.811153364	-2.51973909	0.000173
peak_24551	chr21	2997965	2998771	167770	Intergenic	NM_001079958	add1	4.077057032	6.596820424	-2.519763392	0.000324
peak_12702	chr1	42676960	42677340	14914	intron (NM_001159372, intron 1 of 15)	NM_001159372	ctnna2	3.960193277	6.480144389	-2.519951112	2.65E-07
peak_35880	chr21	15412937	15413346	-78585	Intergenic	NM_001166121	aqp3b	2.521897487	5.042060098	-2.520162611	0.00833
peak_31305	chr22	4747848	4748856	-11172	Intergenic	NR_102288		3.361665472	5.882078416	-2.520412944	0.002851
peak_12212	chr7	69083540	69084044	29519	intron (NM_200672, intron 4 of 6)	NM_200672	swap70a	4.400822864	6.921912983	-2.52109012	1.65E-07
peak_28107	chr25	30627223	30627514	-24675	Intergenic	NM_001034978	pim3	3.368192036	5.889301271	-2.521109235	0.001143
peak_14346	chr16	34930787	34931469	-33871	Intergenic	NM_001007315	fbxl4	4.288041959	6.809168442	-2.521126483	1.10E-06
peak_13741	chr10	29024877	29025354	25361	intron (NM_001005391, intron 6 of 30)	NM_212758_1		4.166915653	6.688051991	-2.521136337	6.78E-07
peak_15345	chr23	38661640	38662470	-384013	Intergenic	NM_001080609	sall4	5.611095035	8.132676301	-2.521581266	2.33E-06
peak_11590	chr15	31338512	31339149	-156626	Intergenic	NM_001005935	arfip2a	5.010289137	7.532009696	-2.521720559	8.95E-08
peak_9088	chr25	15036111	15036935	80970	Intergenic	NM_200042	mpped2	6.527586451	9.049335051	-2.521748599	4.72E-09
peak_15711	chr7	68196478	68196981	142546	Intergenic	NM_001110471	parvab	4.35851614	6.880284987	-2.521768847	3.08E-06
peak_32016	chr5	14909308	14909704	-18804	Intergenic	NM_199534	zgc:65851	2.614767619	5.136564158	-2.521796539	0.003443
peak_10601	chr7	17847962	17848874	-23132	Intergenic	NM_131681	htatip2	5.937350623	8.459333058	-2.521982435	3.08E-08
peak_12344	chr10	26285325	26285936	48229	Intergenic	NM_131294	sod1	5.080347896	7.602413445	-2.522065549	1.88E-07
peak_15446	chr8	19148503	19148973	-38	promoter-TSS (NM_001045117)	NM_001045117	fsd1	4.486912637	7.009107095	-2.522194458	2.51E-06
peak_13648	chr24	27656046	27656838	-109633	Intergenic	NM_001077761	nceh1b	6.3779753	8.900171237	-2.522195937	6.30E-07
peak_14870	chr8	9906643	9907090	208344	intron (NM_001098489, intron 9 of 31)	NM_001098489	plxna3	4.140907462	6.663131144	-2.522223682	1.65E-06
peak_9956	chr2	40821065	40822232	133944	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	6.803304991	9.325625279	-2.522320288	1.49E-08
peak_14131	chr23	15542945	15543436	-101978	Intergenic	NM_001003833	sulf2b	4.203245422	6.725614716	-2.522369295	9.35E-07
peak_18954	chr2	3575119	3575691	2611	intron (NM_001113621_1, intron 1 of 4)	NM_001113621_1	ipp	4.953113131	7.475482745	-2.522369614	2.31E-05
peak_18691	chr20	34825667	34825971	-93	promoter-TSS (NM_213401)	NM_213401	stmn4	3.019847667	5.542269571	-2.522421905	1.98E-05
peak_38883	chr19	35330582	35331844	63860	intron (NM_213091, intron 16 of 21)	NM_001170835	pex1	5.406108211	7.928548891	-2.52244068	0.014957
peak_15796	chr7	38659142	38659613	-110060	Intergenic	NM_001146014	sall1a	3.84071513	6.363722793	-2.523007663	3.27E-06
peak_27438	chr13	44569002	44569342	300231	Intergenic	NM_001160346	zfyve21	1.618352549	4.141370938	-2.523018388	0.000905
peak_36112	chr6	5645816	5646224	519654	Intergenic	NM_001201446	rtn4a	2.831388386	5.354415273	-2.523026886	0.008746
peak_14706	chr7	23279887	23280270	20664	intron (NM_001166329, intron 1 of 6)	NM_001166329	nlgn2b	3.64320069	6.16632135	-2.52312066	1.46E-06
peak_12404	chr2	43907903	43908515	-73751	Intergenic	NM_001130402	si:ch211-195h23.	5.562965295	8.08621172	-2.523246425	2.01E-07
peak_12789	chr7	40541247	40541757	-17060	Intergenic	NM_131070	mdka	4.314866759	6.838301865	-2.523435106	2.87E-07
peak_32942	chr9	33175059	33175535	-36607	Intergenic	NM_001017747	coq10b	3.657311474	6.18086193	-2.523550456	0.004341
peak_19639	chr7	74050411	74050794	116048	Intergenic	NM_001006020_1	ccdc149a	3.036020788	5.559633037	-2.523612248	3.37E-05
peak_9004	chr13	9922020	9922675	-95768	Intergenic	NM_131362	six3a	7.404231768	9.928027339	-2.523795571	4.23E-09
peak_14752	chr16	6224332	6224810	6082	intron (NM_200320, intron 4 of 13)	NM_200320	cog6	4.291414275	6.815340531	-2.523926256	1.51E-06
peak_23334	chr6	29114917	29115286	-1715	Intergenic	NM_001105596	ndufb5	2.537128982	5.061087079	-2.523958097	0.000193
peak_16248	chr8	49061093	49061452	-7399	Intergenic	NM_001045353	hes2.2	4.341201883	6.865249161	-2.524047278	4.41E-06
peak_14813	chr13	28797580	28798338	-6037	Intergenic	NM_001044333	wbp1la	4.890572412	7.414753224	-2.524180813	1.59E-06
peak_41920	chr5	60546755	60547122	-8148	Intergenic	NM_001002701	tmem136b	-0.360322949	2.163965297	-2.524288246	0.024398
peak_35388	chr17	38048163	38049131	-51609	Intergenic	NM_001077519	plekhh1	4.741279019	7.265673349	-2.524394331	0.007475
peak_23476	chr4	7586653	7587050	3547	intron (NM_130937, intron 1 of 5)	NM_130937	wnt5b	3.359525028	5.88396463	-2.524439602	0.000204
peak_12543	chr7	50995184	50995627	112785	Intergenic	NM_001020629	hrasb	4.104231123	6.628681718	-2.524450595	2.27E-07
peak_19020	chr6	4551517	4552107	119612	Intergenic	NM_201285	pou4f1	3.535233816	6.059758629	-2.524524813	2.40E-05
peak_9960	chr1	51412528	51413043	-17803	Intergenic	NM_131215	otx1a	4.76976623	7.294911016	-2.525144786	1.49E-08
peak_11178	chr24	13861064	13862043	32291	intron (NM_131193, intron 7 of 18)	NM_131193	eya1	6.375064497	8.900707742	-2.525643244	5.92E-08
peak_13720	chr7	70552809	70553446	-122032	Intergenic	NM_199682	ap1g1	4.637028662	7.163024447	-2.525995785	6.64E-07
peak_14046	chr22	17146203	17146609	73041	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	4.215200887	6.741317801	-2.526116914	8.81E-07
peak_18739	chr17	52681389	52681953	-61226	Intergenic	NM_194386	tgfb3	5.147817986	7.674056125	-2.526238139	2.03E-05
peak_18410	chr12	44752664	44753128	23792	intron (NM_001110011_1, intron 3 of 20)	NM_001110011_1	dock1	4.382958521	6.909243	-2.526284479	1.70E-05
peak_25496	chr3	31382149	31382393	-72715	Intergenic	NM_001080044	smg1	2.533336158	5.059816461	-2.526480304	0.000463
peak_18055	chr19	19524738	19525133	121538	intron (NM_131340, intron 6 of 11)	NM_131340	thrb	3.340116769	5.866781984	-2.526665215	1.41E-05
peak_8950	chr10	43628963	43629601	33732	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	6.405788433	8.93263631	-2.526847878	3.92E-09
peak_7569	chr22	35973831	35975557	-40650	Intergenic	NM_173274	dag1	8.099910253	10.62719658	-2.527286327	4.92E-10
peak_35114	chr17	27125400	27126168	-10805	Intergenic	NM_152967	id3	4.281207621	6.808755241	-2.527547621	0.007061
peak_12141	chr5	34221661	34222212	-98762	Intergenic	NM_212898	ntmt1	4.552201346	7.07986723	-2.527665884	1.55E-07
peak_17147	chr6	44784297	44785059	-451396	Intergenic	NM_001256392	pdzrn3b	4.423600265	6.951408568	-2.527808304	7.71E-06
peak_9325	chr1	43160439	43162455	499211	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	7.313493302	9.8413814	-2.527888098	6.61E-09
peak_11231	chr3	38549272	38549838	361225	intron (NM_214788, intron 5 of 12)	NM_001045132	si:dkey-106c17.2	5.14156679	7.66947426	-2.52790747	6.21E-08
peak_8713	chr1	42781980	42782792	120150	intron (NM_001159372, intron 4 of 15)	NM_001159372	ctnna2	5.97076922	8.498719956	-2.527950736	2.81E-09
peak_31720	chr2	27511448	27511897	22435	intron (NM_001110476, intron 4 of 10)	NM_001256682	toe1	3.188780911	5.716769472	-2.527988561	0.00319
peak_26009	chr19	19517451	19517887	128804	intron (NM_131340, intron 6 of 11)	NM_131340	thrb	3.481017596	6.009400268	-2.528382672	0.000551
peak_11074	chr23	37896615	37897825	-11655	Intergenic	NM_131881	irx7	8.083345553	10.61189402	-2.528548468	5.37E-08
peak_10391	chr6	57696712	57697929	-92216	Intergenic	NM_001076592	zgc:153702	7.32741012	9.855999822	-2.528589702	2.41E-08
peak_27525	chr5	51718291	51718529	103137	intron (NM_200418, intron 3 of 6)	NM_200418	fam172a	2.31603542	4.844929297	-2.528893878	0.000933
peak_12984	chr2	32806919	32807441	-100323	Intergenic	NM_001076570	rnf220a	4.57733797	7.106497766	-2.529159796	3.47E-07
peak_21160	chr4	13677680	13678186	29838	Intergenic	NM_001114488	si:ch211-127b11.	3.905406352	6.434607521	-2.529201169	7.26E-05
peak_27911	chr6	36116723	36117473	-43183	Intergenic	NM_001102618	rhcg2a	1.44299439	3.972419199	-2.529424809	0.00107
peak_16635	chr5	61436624	61437188	185063	Intergenic	NM_001127307	dtx2	4.655516986	7.185184477	-2.52966749	5.69E-06
peak_14606	chr13	31542464	31543167	-22855	Intergenic	NM_213410	prdm8	5.025219491	7.555122795	-2.529903304	1.35E-06
peak_31358	chr12	435773	436195	7039	intron (NM_001081440, intron 1 of 1)	NM_001081440	hs3st3l	2.834474036	5.364553068	-2.530079032	0.002889
peak_9969	chr15	19464609	19465438	25113	intron (NM_200665, intron 4 of 10)	NM_200665	timm50	6.783824918	9.313952541	-2.530127624	1.50E-08
peak_20936	chr7	43674936	43675492	47869	Intergenic	NM_131044	eng2a	4.71709532	7.247408147	-2.530312827	6.50E-05
peak_26435	chr15	31539656	31540074	44409	Intergenic	NM_001005935	arfip2a	4.077133025	6.607454115	-2.53032109	0.000637
peak_14509	chr7	37332571	37333216	-167950	Intergenic	NM_001045227	irx5a	4.644959288	7.175443723	-2.530484435	1.27E-06
peak_16169	chr20	32356747	32357165	14661	intron (NM_131085, intron 2 of 3)	NM_131085	foxo3b	3.284661742	5.815168023	-2.530506281	4.19E-06
peak_19701	chr3	46845366	46846296	9781	intron (NM_131449, intron 3 of 5)	NM_131449	elavl3	4.431832417	6.962365568	-2.530533151	3.46E-05
peak_18614	chr13	47656031	47656742	205957	Intergenic	NM_001135791	bcl2l11	4.84373625	7.374313706	-2.530577455	1.90E-05
peak_8548	chr7	35496986	35497601	-3338	Intergenic	NM_131571	smad3a	6.704923501	9.235560492	-2.530636992	2.22E-09
peak_35679	chr6	19178358	19178741	-33403	Intergenic	NM_001017556	rhbdl3	1.243333623	3.774013835	-2.530680212	0.007979
peak_33478	chr5	43824024	43824511	-25480	Intergenic	NM_001126398	fam222ba	4.256180958	6.787009018	-2.530828061	0.004898
peak_22630	chr5	46017963	46018265	52777	Intergenic	NM_001122786	tars	2.430813397	4.961786866	-2.530973469	0.000143

peak_20759	chr7	47883277	47883622	253856	Intergenic	NM_130995	ccne1	3.492783688	6.023884085	-2.531100397	6.00E-05
peak_13839	chr11	22020350	22021026	30589	intron (NM_201303, intron 1 of 9)	NM_201303	mapkapk2a	5.605713446	8.137134738	-2.531421291	7.35E-07
peak_28622	chr2	33702244	33702658	8688	intron (NM_130988, intron 2 of 19)	NM_130988	ptch2	3.563403173	6.094837869	-2.531434696	0.001341
peak_34160	chr14	16705691	16705969	771032	Intergenic	NM_001044746	cnga5	2.625495796	5.156958379	-2.531462583	0.005712
peak_20725	chr18	32266710	32267191	-58969	Intergenic	NM_001128247	LOC562852	3.808033224	6.339528546	-2.531495323	5.93E-05
peak_37974	chr8	33859051	33859458	-24497	intron (NM_001100146, intron 9 of 20)	NM_001126478	angptl2b	1.787481669	4.319005805	-2.531524136	0.0127
peak_40350	chr11	1448458	1448942	26345	intron (NM_001020537, intron 1 of 12)	NM_001020537	phactr3b	2.935977657	5.467527779	-2.531550121	0.019073
peak_38482	chr6	50722152	50722360	-40204	Intergenic	NM_001184955	pigu	-0.360322949	2.171321085	-2.531644034	0.013948
peak_16435	chr3	24096958	24097413	37009	Intergenic	NM_131115	hoxb1a	4.211645407	6.743524125	-2.531878718	5.02E-06
peak_16980	chr25	11706370	11706740	-313099	Intergenic	NM_001265607	mespbb	4.038698769	6.570946502	-2.532247733	6.96E-06
peak_19821	chr8	53696834	53697156	-14077	Intergenic	NM_001039679	lgi3	2.815860363	5.348117822	-2.532257459	3.72E-05
peak_24512	chr14	3251254	3251541	56309	Intergenic	NM_203420	bicc2	2.426730103	4.959037818	-2.532307715	0.000319
peak_22773	chr11	19637765	19638239	58572	intron (NM_001257196, intron 27 of 29)	NM_001257196	adamts9	4.405040581	6.937405892	-2.532365311	0.000152
peak_13555	chr14	38448505	38449156	241931	Intergenic	NM_001048055	lect2l	4.427692414	6.960203552	-2.532511138	5.79E-07
peak_10290	chr10	43963898	43964504	9369	intron (NM_001161732, intron 1 of 17)	NM_001161732	fgfr1b	6.251775772	8.784288515	-2.532512743	2.17E-08
peak_14812	chr2	59946825	59947225	-4365	intron (NM_212882_1, intron 8 of 9)	NR_030000		4.162011373	6.694610658	-2.532599285	1.58E-06
peak_14145	chr8	53563607	53564572	7223	intron (NM_001040037, intron 1 of 19)	NM_001040037	bmp1a	5.625469814	8.15809673	-2.532626916	9.42E-07
peak_30344	chr3	45809984	45813201	4643	Intergenic	NM_212996	h3f3a	7.151034004	9.6837233	-2.532689296	0.002222
peak_10261	chr11	40696738	40697510	-260562	Intergenic	NM_001040387	wnt4a	4.850655209	7.383414795	-2.532759586	2.10E-08
peak_12672	chr17	20730918	20731753	-22509	Intergenic	NM_212564	cdk1	5.333043566	7.865833854	-2.532790288	2.56E-07
peak_13380	chr9	56835051	56835674	-56588	Intergenic	NM_001013334	gpm6bb	5.865082926	8.398186753	-2.533103827	5.04E-07
peak_11831	chr23	41406641	41407186	-237503	Intergenic	NM_001139458	si:dkey-194e6.1	6.033021694	8.566156173	-2.533134479	1.12E-07
peak_13682	chr24	39428307	39428754	30478	Intergenic	NM_001009983	metrn	4.360658081	6.893796074	-2.533137993	6.46E-07
peak_17494	chr25	33533192	33533704	23831	intron (NM_001123047, intron 4 of 29)	NM_001123047	scaper	4.062656257	6.59597111	-2.533314853	9.72E-06
peak_10652	chr15	38279289	38279978	-65980	Intergenic	NM_131633	robo2	5.365465851	7.898784279	-2.533318428	3.32E-08
peak_23770	chr2	59944003	59944337	-1510	intron (NM_212882_1, intron 8 of 9)	NR_030000		2.521897487	5.055263726	-2.533366239	0.000233
peak_24234	chr1	39619916	39620438	116262	Intergenic	NR_030668		2.725478726	5.25897684	-2.533498113	0.000285
peak_31577	chr22	40356434	40357105	-21085	Intergenic	NM_213118	sox2	4.368192036	6.901737579	-2.533545543	0.003063
peak_32326	chr16	31784580	31784967	2888	intron (NM_152984, intron 1 of 1)	NM_152984	onecutl	3.124540972	5.658098787	-2.533557815	0.003718
peak_21924	chr19	44596735	44597117	10315	TTS (NM_152961)	NM_200544	zcchc17	2.886118348	5.419739683	-2.533621335	0.000105
peak_9299	chr7	48277870	48278629	112576	Intergenic	NM_001195407	tshz3b	5.928332165	8.462512099	-2.534179933	6.39E-09
peak_15671	chr5	19290685	19291020	-268135	Intergenic	NM_001100015	chfr	3.389328476	5.923527918	-2.534199442	2.99E-06
peak_11993	chr7	27837337	27838427	2743	intron (NM_212661, intron 1 of 10)	NM_212661	cd82a	6.374768675	8.90920663	-2.534437955	1.34E-07
peak_14205	chr22	35702584	35703148	-312478	Intergenic	NM_173274	dag1	4.344452335	6.878896844	-2.534444508	9.89E-07
peak_30733	chr23	30369354	30369782	82140	Intergenic	NM_212848	uts2a	3.620037365	6.154574775	-2.53453741	0.002447
peak_15967	chr24	5020845	5021688	32186	Intergenic	NM_130933	zic1	5.231127147	7.765921455	-2.534794308	3.69E-06
peak_11721	chr10	32346439	32347512	106221	intron (NM_131482, intron 11 of 26)	NM_131482	robo3	4.984049666	7.518844179	-2.534794513	9.99E-08
peak_19957	chr19	49107191	49107670	75041	intron (NM_173223, intron 1 of 4)	NM_173223	sdc2	4.825197218	7.360063894	-2.534866675	4.01E-05
peak_25265	chr2	46471377	46471855	-28877	Intergenic	NM_201020_1	gpc1b	4.145956337	6.680962172	-2.535005834	0.000427
peak_15633	chr13	136800	137278	-22863	Intergenic	NM_001040335_1	rtn4b	4.612919391	7.147978153	-2.535058762	2.87E-06
peak_10758	chr5	69565794	69566460	-142424	Intergenic	NM_001083565	hip1rb	5.457606365	7.992994597	-2.535388231	3.69E-08
peak_14958	chr6	47587072	47587381	178310	Intergenic	NR_030036		3.166915653	5.702364828	-2.535449175	1.74E-06
peak_17337	chr7	58559411	58559736	-117699	Intergenic	NM_001012618	drd4b	3.335768134	5.871384386	-2.535616252	8.70E-06
peak_21447	chr1	25795392	25795902	-47065	Intergenic	NM_201116	sh3gl2	2.797003394	5.332724176	-2.535720782	8.31E-05
peak_12148	chr8	18017537	18018244	17956	intron (NM_130935, intron 1 of 6)	NM_130935	skia	5.733789597	8.269538699	-2.535749102	1.56E-07
peak_18908	chr3	63174081	63174708	10058	Intergenic	NM_131644	sox9b	4.949559986	7.485358618	-2.535798632	2.25E-05
peak_42683	chr21	9662424	9662864	22169	intron (NM_001128677, intron 5 of 7)	NM_001128677	prlra	-0.360322949	2.175483934	-2.535806883	0.027223
peak_11543	chr5	20342146	20342855	338731	Intergenic	NM_201009	aacs	4.547508126	7.08334951	-2.535841384	8.56E-08
peak_10286	chr18	49669345	49671420	8582	Intergenic	NM_001111244_1		6.659437256	9.195549829	-2.536112573	2.17E-08
peak_20343	chr5	37827342	37827598	101381	Intergenic	NM_131805	efnb1	2.745287581	5.281516613	-2.536229032	4.94E-05
peak_9541	chr5	30216892	30218262	-25765	intron (NM_130907, intron 12 of 22)	NM_001089574	zgc:162952	6.607266514	9.143570226	-2.536303712	8.85E-09
peak_29850	chr5	6402433	6402987	59803	Intergenic	NM_001267589	tnks1bp1	4.497601268	7.033942144	-2.536340876	0.00194
peak_15532	chr24	6756394	6757443	-297841	Intergenic	NM_131774	anxa13	5.627694885	8.164345972	-2.536651087	2.68E-06
peak_18452	chr14	27714975	27715555	-1348	Intergenic	NM_131041	neurog1	4.796212312	7.333064903	-2.536852591	1.74E-05
peak_24095	chr3	24349606	24350029	-1903	Intergenic	NM_199746	cbx1a	3.426730103	5.964661101	-2.537930998	0.000268
peak_21095	chr4	15570685	15571287	42246	Intergenic	NM_200020	btg1	4.859012881	7.397200222	-2.538187342	7.01E-05
peak_8757	chr22	36057742	36058502	42778	intron (NM_173274, intron 2 of 2)	NM_173274	dag1	6.21813988	8.756392591	-2.538252711	2.95E-09
peak_7882	chr18	42574701	42575606	-44951	Intergenic	NM_001081628	cdon	7.536397859	10.07486502	-2.538467159	7.82E-10
peak_15272	chr11	43103443	43103885	-78	promoter-TSS (NM_001105592)	NM_001105592	her15.2	4.372382244	6.910944038	-2.538561794	2.22E-06
peak_29827	chr9	20096097	20096546	110768	Intergenic	NM_001007439	slc37a1	0.978440673	3.517202649	-2.538761977	0.001929
peak_19162	chr5	66230094	66230782	272304	Intergenic	NM_001089344	gsnb	3.44299439	5.981907638	-2.538913248	2.59E-05
peak_15877	chr6	46240725	46241055	43756	intron (NM_001110023, intron 13 of 14)	NM_001110023	zgc:162324	3.154623552	5.693811963	-2.539188411	3.46E-06
peak_19047	chr2	40103245	40103566	21506	intron (NM_153658, intron 2 of 15)	NM_153658	epha4b	3.109335453	5.648747205	-2.539411753	2.44E-05
peak_16929	chr2	6469162	6469702	-121244	Intergenic	NM_001017821	rgs5b	4.30377737	6.843398722	-2.539621353	6.77E-06
peak_9815	chr8	35074935	35075543	-168807	Intergenic	NM_131616	pbx3b	5.790218982	8.330336771	-2.54011779	1.27E-08
peak_15359	chr19	9509614	9510158	-6675	Intergenic	NM_131494	celf3a	3.679788522	6.219906898	-2.540118376	2.35E-06
peak_13807	chr7	39122163	39122748	-11943	Intergenic	NM_213366	brd7	4.796957255	7.337102286	-2.540145031	7.10E-07
peak_24596	chr12	41269498	41269846	918271	Intergenic	NM_001099246	abca5	2.521897487	5.062333346	-2.540435859	0.000329
peak_9037	chr6	45483029	45483837	52978	intron (NM_001080051, intron 2 of 22)	NM_001080051	cntn4	6.304039413	8.844587113	-2.5405477	4.42E-09
peak_13795	chr12	27113490	27114312	-14501	Intergenic	NM_131363	six3b	6.001010185	8.542297288	-2.541287103	7.06E-07
peak_31604	chr16	30168908	30169369	-191740	Intergenic	NM_001017734	steap4	2.784293744	5.325653163	-2.541359419	0.003085
peak_16049	chr25	3867051	3867404	-2176	exon (NM_001006041, exon 6 of 8)	NM_001037118	pddc1	3.484950298	6.026400901	-2.541450602	3.90E-06
peak_30711	chr5	45826934	45827356	-138179	Intergenic	NM_001005932	tars	2.912638768	5.454092288	-2.54145352	0.002435
peak_13478	chr13	2767039	2767640	77136	Intergenic	NM_001161598	si:ch211-239i4.3	4.823690559	7.365204468	-2.541513909	5.44E-07
peak_23645	chr15	13717887	13718248	72500	intron (NM_001012375, intron 1 of 8)	NM_001012375	numbl	3.086222395	5.627778303	-2.541555908	0.000219
peak_21772	chr20	40326010	40326338	25447	intron (NM_001025545, intron 2 of 4)	NM_001025545	clvs2	2.818979367	5.36060309	-2.541623723	9.75E-05
peak_34252	chr4	50110761	50111035	271710	Intergenic	NM_001111254	zgc:174180	0.978440673	3.520130415	-2.541689742	0.005838
peak_8314	chr4	22967250	22969209	-68720	Intergenic	NM_194401	celf2	7.737921139	10.27992412	-2.542002979	1.63E-09
peak_14106	chr12	45322361	45322936	-220576	Intergenic	NM_001110011	dock1	4.683215657	7.225348751	-2.542133094	9.19E-07
peak_17872	chr15	37497330	37497921	-7293	Intergenic	NM_131481	robo1	5.25783871	7.799973792	-2.542135082	1.26E-05
peak_30492	chr11	27747135	27747600	-112198	Intergenic	NM_001045307	acad9	3.702019304	6.244251905	-2.5422326	0.002308
peak_16313	chr15	8578142	8578814	109218	Intergenic	NM_001128700	tmem160	4.088808875	6.631111794	-2.542302919	4.63E-06
peak_11196	chr8	45824538	45825064	-13209	Intergenic	NM_130917	fzd10	4.843780917	7.386240556	-2.542459639	5.99E-08
peak_17267	chr19	881853	882310	-36104	Intergenic	NM_131679	eomesa	4.249193638	6.791892379	-2.54269874	8.37E-06
peak_43355	chr11	16789339	16789734	-169844	Intergenic	NM_001110030	kbtbd8	-0.360322949	2.182425019	-2.542747968	0.03025
peak_8196	chr12	48704959	48706821	54511	Intergenic	NM_001017704	grem2	7.134202378	9.677429849	-2.543227471	1.34E-09
peak_10502	chr20	47343714	47344269	-42100	Intergenic	NM_001018134	dnmt3aa	5.160167961	7.703544554	-2.543376592	2.73E-08
peak_9326	chr8	3243488	3246090	-7201	Intergenic	NM_001040010	lhx2b	8.455102635	10.99861362	-2.543510982	6.61E-09
peak_14248	chr24	453608	454380	3945	intron (NM_001115059, intron 1 of 8)	NM_001115059	tgfbr1b	4.955240826	7.499010933	-2.543770107	1.02E-06
peak_18973	chr15	31752790	31753973	51345	Intergenic	NM_200860	arl4aa	4.766538874	7.31037097	-2.543832096	2.35E-05
peak_25999	chr18	9428132	9428453	330498	Intergenic	NM_001100024	LOC566572	2.224639552	4.768476988	-2.543837436	0.00055
peak_30392	chr14	5339576	5340111	-52182	Intergenic	NM_001007134	lbx2	3.359525028	5.903698843	-2.544173815	0.002243
peak_10568	chr7	38367029	38367531	346359	Intergenic	NR_036681		5.563922263	8.108153282	-2.54423102	2.95E-08
peak_12474	chr9	33605056	33605556	32416	intron (NM_001128532, intron 9 of 10)	NM_001128532	satb2	4.548447992	7.092709218	-2.544261226	2.14E-07
peak_29304	chr7	55484904	55485340	84339	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	2.614767619	5.159317662	-2.544550043	0.001666
peak_30512	chr8	15722269	15722508	-34112	Intergenic	NM_001113603	si:dkey-7o6.3	1.618352549	4.163016482	-2.544663933	0.002317
peak_9359	chr3	44731838	44732402	59318	intron (NM_001080589, intron 1 of 1)	NM_001080589	hs3st4	5.842609659	8.387688722	-2.545079062	6.90E-09
peak_10179	chr20	38932685	38933286	-2001	Intergenic	NM_001082893	si:dkey-221h15.1	5.892445813	8.438024854	-2.545579041	1.90E-08
peak_18841	chr20	8109770	8110150	347893	Intergenic	NM_001244756	bloc1s2	3.2869161	5.832797654	-2.545881555	2.17E-05
peak_27960	chr15	37962003	37962260	251522	intron (NM_131633, intron 5 of 29)	NM_131633	robo2	2.247969535	4.793888112	-2.545918577	0.00109
peak_35532	chr13	14480444	14480855	-132112	Intergenic	NM_001123058	gfra4a	2.33794409	4.884019258	-2.546075167	0.007728
peak_18356	chr1	3349645	3350369	543138	Intergenic	NR_030045		4.919235783	7.465334085	-2.546098302	1.66E-05
peak_32565	chr10	36216742	36217349	40604	Intergenic	NM_213285	nsun5	3.898051465	6.444191905	-2.546140441	0.00395
peak_37823	chr4	29892787	29893056	-53507	Intergenic	NM_001114702	zgc:174710	-0.360322949	2.186032402	-2.546355351	0.012335
peak_17425	chr20	23694588	23695434	-29662	Intergenic	NM_001045487	sh3rf1	5.018491687	7.564973839	-2.546482152	9.26E-06

peak_25638	chr16	39272597	39273211	-19775	Intergenic	NM_001111247	ctps1b	2.224639552	4.771166378	-2.546526827	0.000486
peak_30058	chr7	14761689	14762088	-4427	Intergenic	NM_200705	rlbp1a	3.073219981	5.619777502	-2.54655752	0.002055
peak_14064	chr7	22233048	22233884	98565	intron (NM_131806, intron 2 of 4)	NM_131806	efnb3b	4.410220044	6.957021866	-2.546801822	8.92E-07
peak_10585	chr8	15692885	15693515	-13919	Intergenic	NM_001113620	bcar3	5.635702642	8.182808082	-2.547105439	3.02E-08
peak_9407	chr18	35339495	35340391	193491	Intergenic	NM_001044905	ttc9b	6.436394312	8.983578951	-2.54718464	7.43E-09
peak_9623	chr18	36873882	36874853	116039	Intergenic	NM_001089357	alx4b	7.78203968	10.32925309	-2.547213408	9.86E-09
peak_25235	chr10	45914756	45915103	134167	intron (NM_001134725, intron 19 of 20)	NM_001134725	adrbk2	3.307048351	5.854966115	-2.547917764	0.000422
peak_11252	chr14	41165932	41166705	528316	Intergenic	NM_001127519	pcdh19	4.785044865	7.332996567	-2.547951702	6.35E-08
peak_16338	chr5	65169214	65170031	109246	Intergenic	NM_178287	sepw1	4.462131255	7.01010226	-2.547971005	4.72E-06
peak_11950	chr4	3305647	3306519	-20487	Intergenic	NM_200436	znf800b	4.700279607	7.248259948	-2.547980341	1.29E-07
peak_8885	chr14	50819928	50821112	-158532	Intergenic	NM_001002065_1	ppid	6.895946892	9.443970965	-2.548024072	3.57E-09
peak_35195	chr1	46243166	46243582	-20671	Intergenic	NM_001089578	si:ch211-214c7.5	2.751830549	5.299916092	-2.548085543	0.007179
peak_31884	chr7	19414476	19414955	35194	Intergenic	NM_001099228	cd248a	2.664163689	5.212376703	-2.548213014	0.003338
peak_10869	chr10	10296091	10296932	-1061	Intergenic	NR_029938		6.659002196	9.207359794	-2.548357597	4.27E-08
peak_27571	chr6	47376572	47376957	-32152	Intergenic	NR_030036		3.25733105	5.805719733	-2.548388683	0.000949
peak_10706	chr15	32873726	32874431	-70487	Intergenic	NM_152974	mab21l1	5.576904302	8.125846618	-2.548942316	3.48E-08
peak_23012	chr7	32203540	32203810	56844	Intergenic	NM_001172419	LOC570613	2.459077363	5.008147529	-2.549070166	0.00017
peak_14218	chr23	11142911	11143692	231887	Intergenic	NM_001115140	ppp4r2a	4.808817851	7.357998462	-2.549180611	9.99E-07
peak_23272	chr14	38883390	38884166	676879	Intergenic	NM_001048055	lect2l	4.720483721	7.269746142	-2.549262421	0.000188
peak_19288	chr2	9997717	9998004	-16582	Intergenic	NM_152977	dmbx1a	3.033337828	5.582624613	-2.549286786	2.76E-05
peak_12643	chr4	13280299	13280794	-8299	Intergenic	NM_001002304	twf1b	4.003411208	6.552909012	-2.549497804	2.49E-07
peak_14150	chr5	47593636	47594032	-7319	Intergenic	NM_001128339	sv2c	4.277877455	6.827393235	-2.549515779	9.50E-07
peak_11939	chr5	30620695	30621378	9316	intron (NM_001089376, intron 6 of 19)	NM_001089376	stxbp1b	5.008241155	7.558386473	-2.550145317	1.28E-07
peak_15301	chr9	33756071	33756581	6908	Intergenic	NM_001020796	olig1	4.263000995	6.81314943	-2.550148435	2.27E-06
peak_20717	chr1	4906871	4907591	-91617	Intergenic	NM_001145693	abcb6a	4.762447245	7.312638336	-2.550191091	5.89E-05
peak_13782	chr11	39377252	39378294	-36847	Intergenic	NR_034195		5.423117823	7.973472769	-2.550354947	6.97E-07
peak_32652	chr11	25873753	25874185	32941	intron (NM_200936, intron 1 of 20)	NM_200936	sulf2a	2.912638768	5.463319598	-2.550680831	0.004029
peak_11923	chr13	34037455	34039031	13392	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	5.957719176	8.50859132	-2.550872144	1.26E-07
peak_8933	chr8	19715645	19716736	75080	Intergenic	NM_212872	zgc:77486	6.602070526	9.153064923	-2.550994398	3.82E-09
peak_14654	chr2	12072946	12073351	14420	intron (NM_199518, intron 8 of 8)	NM_199518	prtfdc1	3.890572412	6.441639357	-2.551066945	1.41E-06
peak_19021	chr7	22562001	22562538	120650	Intergenic	NM_001017564	zgc:113025	4.458077413	7.009442833	-2.55136542	2.40E-05
peak_13800	chr13	4230201	4230752	70660	intron (NM_201102, intron 4 of 22)	NM_201102	pde10a	4.637911999	7.18934616	-2.551434161	7.08E-07
peak_15448	chr9	40214253	40214739	-156887	Intergenic	NM_200000	myl1	4.140907462	6.692363018	-2.551455557	2.52E-06
peak_41637	chr21	6232626	6233475	175732	Intergenic	NM_212591	cdk9	-0.360322949	2.191159611	-2.55148256	0.023414
peak_11761	chr2	49691360	49691968	90141	Intergenic	NM_001089323	abhd17aa	4.527572549	7.079255635	-2.551683087	1.05E-07
peak_31916	chr10	4747031	4747414	25658	intron (NM_001204256, intron 1 of 6)	NM_001204256	palm2	2.784293744	5.336146761	-2.551853017	0.00336
peak_13514	chr16	57462562	57463100	-20099	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	4.164465597	6.716594686	-2.552129089	5.60E-07
peak_13758	chr15	14528823	14529627	-6402	intron (NM_139077, intron 13 of 14)	NM_205762	traf4a	5.106147363	7.658449256	-2.552301893	6.85E-07
peak_39445	chr25	26009042	26010381	80989	Intergenic	NM_001142267_1	LOC100216314	-0.360322949	2.192041596	-2.552364545	0.016418
peak_12126	chr9	54930990	54932121	-170643	Intergenic	NM_001009888	sox21b	7.48822448	10.04060024	-2.552375761	1.52E-07
peak_31559	chr6	50801129	50801423	-119224	Intergenic	NM_001184955	pigu	1.787481669	4.340183067	-2.552701398	0.003047
peak_14359	chr16	12851528	12852091	-94467	Intergenic	NM_131390	gsk3ab	4.843015081	7.395780012	-2.552764931	1.11E-06
peak_25711	chr25	11710199	11710603	-316945	Intergenic	NM_001265607	mespbb	4.022555809	6.575329319	-2.55277351	0.000497
peak_11550	chr20	17780296	17780797	-5475	Intergenic	NM_131081	cdh2	5.061998248	7.615061643	-2.553063395	8.66E-08
peak_13779	chr7	13005615	13006289	-121359	Intergenic	NM_001080993	mex3b	5.405529105	7.959196144	-2.553667039	6.96E-07
peak_12443	chr9	29412634	29414060	19032	intron (NM_001044766, intron 1 of 3)	NM_001044766	klf7b	6.442221334	8.995894434	-2.553673101	2.09E-07
peak_19600	chr25	25386799	25387192	-360667	Intergenic	NM_001002089_1	tsg101a	3.527628159	6.0813454	-2.553717241	3.29E-05
peak_20496	chr1	36260944	36261793	116317	Intergenic	NM_212807	pou4f2	4.699384287	7.253129268	-2.553744981	5.29E-05
peak_38040	chr3	31065142	31065550	-4743	Intergenic	NM_214811	ppp1caa	1.984009138	4.537789856	-2.553780718	0.012867
peak_22988	chr10	40191171	40191636	75462	intron (NM_001030224, intron 3 of 32)	NM_001030224	dscama	3.295898468	5.849718253	-2.553819785	0.000168
peak_25285	chr14	21523374	21523668	365670	Intergenic	NM_152963	fmr1	2.075829856	4.629787905	-2.553958049	0.00043
peak_24994	chr8	29643549	29643862	99749	Intergenic	NM_001014340	ocstamp	2.702019304	5.256126759	-2.554107454	0.000387
peak_9589	chr10	27855847	27857330	124975	Intergenic	NM_152948	cxadr	6.69409802	9.248230835	-2.554132815	9.48E-09
peak_19500	chr5	42395035	42395539	-36130	Intergenic	NM_130962	isl1	4.509346067	7.063643446	-2.554297378	3.09E-05
peak_23131	chr12	36061823	36062273	-155735	Intergenic	NM_001278598	si:ch73-127m5.2	3.109335453	5.663904129	-2.554568677	0.000179
peak_11497	chr12	18397585	18398898	93470	Intergenic	NM_001001822	ptenb	6.58194869	9.136574767	-2.554626077	8.20E-08
peak_15380	chr6	27704822	27705593	4962	intron (NM_001080177, intron 5 of 10)	NM_001080177	amotl2a	5.651148601	8.20598085	-2.554832249	2.37E-06
peak_9010	chr5	31612150	31613380	-15872	Intergenic	NR_030053		6.107760887	8.66295149	-2.555190602	4.24E-09
peak_14069	chr5	49951773	49952589	794	TTS (NR_029998)	NR_029998		6.187627621	8.743145791	-2.55551817	8.95E-07
peak_18947	chr2	32840742	32841528	-66368	Intergenic	NM_001076570	rnf220a	3.779405205	6.334935969	-2.555530765	2.30E-05
peak_16367	chr10	32410264	32410671	42729	intron (NM_131482, intron 2 of 26)	NM_131482	robo3	3.226989601	5.782583575	-2.555593975	4.80E-06
peak_32885	chr2	617910	618374	-207864	Intergenic	NM_212920	wrnip1	3.420583411	5.976205388	-2.555621977	0.004262
peak_25930	chr3	10303297	10304114	71729	intron (NR_105067, intron 4 of 5)	NM_199761	rnps1	4.871922404	7.427780127	-2.555857722	0.000537
peak_24627	chr7	20713263	20715463	-5290	Intergenic	NM_001037559	slc7a7	5.559239876	8.115232795	-2.555992918	0.000334
peak_17265	chr7	9606231	9606743	81612	intron (NM_001020496, intron 1 of 4)	NM_194409	vax2	4.953781325	7.509882628	-2.556101303	8.36E-06
peak_15155	chr24	18018973	18019437	-69971	intron (NM_001281991, intron 20 of 23)	NM_213495	cul1b	4.385125888	6.94139712	-2.556271232	2.02E-06
peak_19360	chr10	19088230	19088607	40913	Intergenic	NM_001004006	tmem230a	3.277877455	5.834198446	-2.55632099	2.86E-05
peak_14802	chr22	38813830	38814234	422387	Intergenic	NM_001113587	hykk.2	3.50251599	6.059004758	-2.556488768	1.57E-06
peak_41228	chr21	23009531	23010032	14856	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	3.473004376	6.029519964	-2.556515588	0.022105
peak_28663	chr15	29094676	29095317	17525	intron (NM_001076633, intron 10 of 10)	NM_001076633	zgc:153372	4.395670429	6.95241955	-2.556749121	0.001353
peak_36174	chr14	21701227	21701594	191603	Intergenic	NM_001080068	ids	2.715471362	5.2724335	-2.556962138	0.008886
peak_28131	chr23	31900474	31900731	-16261	Intergenic	NM_199212	sgk1	2.463070247	5.020052247	-2.556982	0.001152
peak_8804	chr11	6139595	6140289	-10289	Intergenic	NM_213239	nr2f6b	6.66466041	9.221648327	-2.556987917	3.18E-09
peak_29047	chr15	40490998	40491371	149584	Intergenic	NM_001002430	pxylp1	2.941712126	5.498759415	-2.557047289	0.001533
peak_19550	chr21	8798750	8799131	64320	intron (NM_001089543, intron 6 of 45)	NM_001089543	ptpn13	3.174240955	5.731734012	-2.557493057	3.19E-05
peak_41201	chr21	44008303	44008629	26097	exon (NM_001012389, exon 5 of 11)	NM_200743	skp1	0.944570835	3.502849824	-2.558278989	0.022018
peak_12753	chr5	21548333	21549220	53437	Intergenic	NM_001126454	fam222a	5.052715833	7.611072925	-2.558357092	2.78E-07
peak_14197	chr11	44853252	44853715	-46994	Intergenic	NM_001015069_1	gli2b	4.249193638	6.807595898	-2.55840226	9.82E-07
peak_13547	chr7	15195978	15196518	27530	Intergenic	NM_001089577	rhcga	4.912681351	7.471144611	-2.55846326	5.75E-07
peak_11385	chr11	43304758	43305192	-201389	Intergenic	NM_001105592	her15.2	4.566244234	7.124841272	-2.558597038	7.36E-08
peak_11281	chr18	23798056	23798750	-139338	Intergenic	NM_131183	nr2f2	5.47652284	8.035233394	-2.558710555	6.51E-08
peak_15261	chr8	15049187	15049863	22211	intron (NM_001128364, intron 8 of 11)	NM_001128364	qsox1	4.898745647	7.457504488	-2.558758841	2.20E-06
peak_9086	chr25	33612218	33612859	102921	intron (NM_001123047, intron 21 of 29)	NM_001123047	scaper	5.596147662	8.155016551	-2.558868889	4.72E-09
peak_14888	chr5	46306688	46307383	32561	intron (NM_001099990, intron 1 of 24)	NM_001099990	dapk1	4.837597958	7.396543424	-2.558945466	1.67E-06
peak_16245	chr7	20053469	20054125	42265	intron (NM_001017819, intron 2 of 12)	NM_001017819	mllt3	4.244561664	6.803621428	-2.559059764	4.39E-06
peak_33609	chr2	18226607	18227071	65990	intron (NM_212893, intron 18 of 20)	NM_001100007	ptbp2b	3.519982194	6.079192088	-2.559209895	0.005036
peak_12057	chr21	40193818	40194610	25322	intron (NM_200873, intron 3 of 4)	NM_200873	hmp19	4.850655209	7.410070265	-2.559415056	1.42E-07
peak_12328	chr19	285918	286917	20548	Intergenic	NM_001082978	lingo4a	5.622769162	8.182323309	-2.559554147	1.86E-07
peak_14747	chr5	46642197	46642662	15885	Intergenic	NM_130952	dmrt2a	5.305446222	7.865717572	-2.56027135	1.51E-06
peak_8217	chr2	21622928	21623808	21085	intron (NM_201454, intron 6 of 7)	NM_201454	rab2a	6.191861895	8.752464317	-2.560602422	1.37E-09
peak_20866	chr5	1694288	1695064	1402	intron (NM_001245965, intron 15 of 22)	NR_029931		3.972850631	6.533547672	-2.560697041	6.28E-05
peak_24741	chr23	18599101	18599512	-46037	Intergenic	NR_029988		3.011692604	5.572459098	-2.560766494	0.00035
peak_31340	chr5	49923427	49924009	29257	Intergenic	NR_029998		3.368192036	5.929034776	-2.56084274	0.002875
peak_27242	chr7	23886554	23887007	957	intron (NM_200211, intron 1 of 16)	NM_200211	fxr2	2.570823028	5.131705251	-2.560882223	0.000845
peak_19935	chr8	26969278	26969783	32779	Intergenic	NM_001123326	dalrd3	3.774593768	6.336045875	-2.561452107	3.96E-05
peak_17929	chr3	3647680	3648286	298883	Intergenic	NM_001114556	zgc:171446	3.713796698	6.275399804	-2.561603106	1.31E-05
peak_12952	chr13	17166145	17166846	346840	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	5.208641113	7.770283296	-2.561642182	3.34E-07
peak_31394	chr15	28970722	28970995	-35175	Intergenic	NM_001128669	samsn1a	2.355234589	4.917006786	-2.561772197	0.002912
peak_22115	chr25	21998060	21998350	-47188	intron (NM_001003755, intron 3 of 5)	NM_001003481	zgc:91811	2.324838852	4.886729097	-2.561890244	0.000114
peak_12268	chr10	4681629	4682174	-36637	Intergenic	NM_001002132	lppr1	4.681503107	7.243444959	-2.561941852	1.73E-07
peak_21710	chr22	40194647	40195061	140830	Intergenic	NM_213118	sox2	2.552201346	5.114380135	-2.562178789	9.44E-05
peak_15621	chr23	23669874	23670492	25222	Intergenic	NM_131873	her9	4.681503107	7.243890137	-2.56238703	2.84E-06
peak_16492	chr11	44959708	44960102	59428	intron (NM_001015069_1, intron 2 of 3)	NM_001015069_1	gli2b	3.8361042	6.398495295	-2.562391095	5.23E-06
peak_36846	chr21	25582901	25583659	60955	intron (NM_205730, intron 10 of 15)	NM_205730	gria1b	-0.360322949	2.202174735	-2.562497684	0.010228
peak_38198	chr24	36107977	36108327	-82772	Intergenic	NM_131456	ctnna1	-0.360322949	2.202754741	-2.56307769	0.013274

peak_28754	chr20	34969042	34969425	31556	intron (NM_131435, intron 4 of 7)	NM_131435	snap25a	2.903852685	5.467042968	-2.563190283	0.001397
peak_20495	chr5	51620325	51620713	92946	intron (NM_200418, intron 6 of 6)	NM_131180	nr2f1a	3.790662565	6.353889325	-2.56322676	5.29E-05
peak_9687	chr5	33996450	33997382	4071	Intergenic	NM_001077801	gas1b	6.793592052	9.356921939	-2.563329887	1.06E-08
peak_20470	chr3	13046302	13046755	92883	Intergenic	NM_201313	dnaja3a	2.790662565	5.35406136	-2.563398795	5.23E-05
peak_19732	chr18	1119196	1119505	-60786	intron (NM_198912, intron 8 of 13)	NM_001177500	ugt5f1	2.650222256	5.213655739	-2.563433483	3.52E-05
peak_9900	chr23	7915119	7916358	131452	Intergenic	NM_001100145	kif3b	6.662479007	9.226203212	-2.563724205	1.40E-08
peak_13361	chr5	5225125	5225513	-13680	Intergenic	NM_001076606	mvb12ba	3.596602092	6.1606733	-2.564071208	4.94E-07
peak_26853	chr7	66409413	66409721	79028	Intergenic	NM_001077722	tpcn2	2.935977657	5.500135559	-2.564157901	0.000742
peak_18119	chr8	53809088	53809724	-24115	Intergenic	NM_152962	fgfr1a	5.065980096	7.630155649	-2.564175553	1.47E-05
peak_19321	chr8	12149862	12150756	7463	intron (NM_001123244, intron 2 of 14)	NM_001123244	fnbp1a	4.307113146	6.871301628	-2.564188482	2.81E-05
peak_31939	chr24	43559449	43559679	18220	intron (NM_001007435, intron 9 of 13)	NM_001007435	arhgap28	1.205700064	3.770149206	-2.564449142	0.003376
peak_8268	chr5	68714822	68715592	56241	intron (NM_131302, intron 10 of 33)	NM_131302	notch1b	6.84549141	9.410049939	-2.564558529	1.52E-09
peak_15542	chr7	47607440	47607888	-4642	Intergenic	NM_001004633	zgc:101715	4.140907462	6.705503094	-2.564595632	2.70E-06
peak_15225	chr14	48769599	48771280	132322	intron (NM_001004573, intron 5 of 9)	NM_001004573	macrod1	6.037399457	8.602006342	-2.564606885	2.14E-06
peak_18564	chr13	17453846	17454450	59187	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	4.122091483	6.68687311	-2.564781628	1.84E-05
peak_18899	chr15	22961201	22961958	37779	Intergenic	NM_001105683	ckmb	4.752741492	7.317706886	-2.564965395	2.24E-05
peak_11946	chr14	30187545	30188158	-457180	Intergenic	NM_001045414	zgc:153146	5.070529039	7.635529166	-2.565000126	1.28E-07
peak_20154	chr14	32017731	32018227	3048	intron (NM_131860, intron 1 of 8)	NM_131860	gpc4	4.276743633	6.841788727	-2.565045094	4.47E-05
peak_37739	chr4	38316861	38317248	-132581	Intergenic	NM_001114900	zgc:174708	-0.360322949	2.204764791	-2.56508774	0.012133
peak_12143	chr13	48106250	48106763	73844	Intergenic	NM_205625	lhcgr	4.793790223	7.358908016	-2.565117793	1.55E-07
peak_10084	chr4	4949987	4950736	15079	intron (NM_201340, intron 1 of 16)	NM_201340	ahcyl2	5.594328508	8.159546095	-2.565217586	1.70E-08
peak_10168	chr1	16124183	16125075	5812	intron (NM_212967, intron 2 of 30)	NM_212967	fat1a	5.707870942	8.273453507	-2.565582565	1.88E-08
peak_9460	chr2	46594186	46595295	-152001	Intergenic	NM_201020_1	gpc1b	7.234617963	9.800232172	-2.565614209	7.96E-09
peak_14523	chr5	46018390	46018929	53322	Intergenic	NM_001122786	tars	5.174885228	7.740835251	-2.565950024	1.28E-06
peak_22172	chr18	26565214	26565527	160613	Intergenic	NM_001126418	kti12	2.944570835	5.510526534	-2.565955699	0.000117
peak_10638	chr15	38019149	38020087	194035	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	6.092661126	8.658685398	-2.566024272	3.27E-08
peak_23178	chr23	45928430	45929045	38134	intron (NM_130919_1, intron 3 of 3)	NM_001114453	zgc:175128	3.612866973	6.178950048	-2.566083074	0.000181
peak_14512	chr7	16775493	16775972	23444	intron (NM_001017638, intron 4 of 9)	NM_001017638	elp4	4.875671743	7.441862396	-2.566190653	1.27E-06
peak_42868	chr13	5428010	5428583	-182350	Intergenic	NM_131893	meis1	2.751830549	5.318030956	-2.566200407	0.028001
peak_23075	chr7	15658237	15658719	245002	Intergenic	NM_001002518	mrpl46	3.361665472	5.928002896	-2.566337424	0.000174
peak_11212	chr11	32174069	32174772	-31150	Intergenic	NM_001201559	im:7137555	5.249771591	7.816138297	-2.566366706	6.07E-08
peak_28009	chr22	24986774	24987205	-7001	Intergenic	NM_001017710	lhx9	3.057306726	5.623730104	-2.566423379	0.001107
peak_16889	chr15	16982350	16982597	76668	Intergenic	NM_201993	arcn1b	3.154623552	5.721148844	-2.566525293	6.63E-06
peak_12291	chr19	35166334	35166943	100014	Intergenic	NM_001076776	runx1t1	3.997917271	6.564679922	-2.566762651	1.78E-07
peak_13008	chr17	38818620	38818979	77777	Intergenic	NM_131525	sptb	4.160782694	6.727827886	-2.567045192	3.55E-07
peak_9790	chr17	49234088	49234889	130632	Intergenic	NM_001256221	LOC553223	5.095897876	7.662994756	-2.56709688	1.23E-08
peak_15314	chr13	40254631	40255130	136155	Intergenic	NM_001128272	zgc:171482	3.837642815	6.404937726	-2.567294911	2.30E-06
peak_14099	chr15	38267124	38268024	-53921	Intergenic	NM_131633	robo2	6.067562654	8.63489917	-2.567336515	9.14E-07
peak_17943	chr25	30033960	30034777	18565	Intergenic	NM_001024403_1	cox5aa	4.377680074	6.945079628	-2.567399554	1.32E-05
peak_7947	chr15	29050113	29051010	-26910	Intergenic	NM_001076633	zgc:153372	7.689105736	10.25676296	-2.567657226	8.77E-10
peak_41032	chr5	20026320	20026700	325326	Intergenic	NM_178304	zdhhc8b	-0.360322949	2.207633859	-2.567956808	0.021431
peak_35680	chr25	22574557	22575170	74268	Intergenic	NM_198801	ckmt1	0.234016866	2.802048421	-2.568031555	0.007984
peak_27889	chr7	29118645	29119134	158891	Intergenic	NM_001017815	rras2	4.147197703	6.715412597	-2.568214894	0.001062
peak_11439	chr17	21529852	21530496	83993	Intergenic	NM_001115098	hmx2	4.761684263	7.329925824	-2.568241561	7.70E-08
peak_31495	chr23	28574110	28574462	8307	Intergenic	NM_145195	birc5b	3.567226082	6.135771615	-2.568545533	0.002988
peak_17656	chr18	23889720	23890191	-230890	Intergenic	NM_131183	nr2f2	4.555999488	7.124628551	-2.568629062	1.10E-05
peak_29482	chr21	29002333	29002758	-4435	Intergenic	NM_001113588	dnajc18	3.657311474	6.22630733	-2.568995856	0.001745
peak_16986	chr10	45028842	45029093	27300	Intergenic	NR_045221		2.958780025	5.528038857	-2.569258832	6.98E-06
peak_35290	chr17	7024125	7024381	152654	Intergenic	NM_001023572	zbtb24	2.238682765	4.808270948	-2.569588182	0.007309
peak_12253	chr14	33767261	33767723	-6079	Intergenic	NM_212940	lnx2b	4.712909731	7.282646668	-2.569736937	1.72E-07
peak_9354	chr23	5577905	5578864	70955	Intergenic	NM_001030219	smpd2a	6.282121372	8.852028457	-2.569907085	6.88E-09
peak_11051	chr25	37481725	37482273	-5561	Intergenic	NM_213100_1	irx3b	5.129019202	7.69903131	-2.570012108	5.22E-08
peak_13199	chr10	13495932	13496448	-135707	intron (NM_001098242, intron 5 of 8)	NM_001099446	LOC556326	4.826017789	7.396109027	-2.570091238	4.23E-07
peak_13029	chr16	44721965	44722439	-21696	Intergenic	NM_001111151	si:ch211-225p5.8	5.090708057	7.660819593	-2.570111537	3.65E-07
peak_15889	chr25	10922095	10923097	14940	intron (NM_001177458, intron 3 of 20)	NM_001177458	lrp5	4.345534194	6.915657099	-2.570122905	3.48E-06
peak_14169	chr15	41137166	41137492	26242	Intergenic	NM_001003733	cldn8	3.594783512	6.165155256	-2.570371744	9.65E-07
peak_24832	chr2	4164752	4165278	-25318	Intergenic	NM_194424	egfra	4.614662915	7.185048011	-2.570385096	0.000364
peak_14863	chr1	38090774	38091106	-71553	Intergenic	NM_001145602	si:ch211-15e22.3	3.453067239	6.02373252	-2.570665281	1.64E-06
peak_39809	chr13	18707059	18707619	-980	promoter-TSS (NM_001193525)	NM_001193525	fam213aa	-0.360322949	2.210402912	-2.570725861	0.017419
peak_40037	chr13	26153163	26153975	76472	Intergenic	NM_001040391	bcl11aa	-0.360322949	2.210469383	-2.570792332	0.018119
peak_10385	chr7	66650521	66651021	179429	Intergenic	NM_198825_1	fam60al	5.011652845	7.58274675	-2.571093905	2.40E-08
peak_35810	chr20	17485055	17485402	-300793	Intergenic	NM_131081	cdh2	2.657209812	5.228366781	-2.571156968	0.008223
peak_12139	chr9	24366750	24367253	24825	Intergenic	NM_213248	arl4cb	5.40501031	7.976191042	-2.571180731	1.54E-07
peak_25991	chr4	25474447	25474842	-39631	Intergenic	NM_001002629	tnni1d	3.008963973	5.580318661	-2.571354688	0.000548
peak_24290	chr9	29223824	29224234	-42049	Intergenic	NM_131134	fzd5	2.346615242	4.918094387	-2.571479145	0.000292
peak_12070	chr7	66546293	66547043	216129	Intergenic	NM_001077722	tpcn2	4.747792413	7.319586796	-2.571794384	1.43E-07
peak_31569	chr7	47163631	47163943	-409503	Intergenic	NM_001020749	pop4	2.342286181	4.914221983	-2.571935802	0.003057
peak_8027	chr13	40493363	40494231	13757	intron (NM_131858, intron 1 of 2)	NM_131858	sfrp5	7.144668581	9.716671332	-2.572002751	9.96E-10
peak_7893	chr17	36042603	36043276	15796	Intergenic	NM_131336	sox11a	6.727554885	9.299661792	-2.572106907	8.03E-10
peak_35013	chr11	44975398	44975631	75037	intron (NM_001015069_1, intron 2 of 3)	NM_001015069_1	gli2b	1.831388386	4.403653459	-2.572265072	0.006899
peak_27912	chr21	15697759	15698022	109705	Intergenic	NM_001271841	gfi1b	2.653720264	5.226037435	-2.57231717	0.00107
peak_12017	chr23	24926477	24926980	35914	Intergenic	NR_030031		4.642320587	7.214674545	-2.572353958	1.36E-07
peak_31485	chr15	13235671	13235956	92526	Intergenic	NM_199847	fxyd6	2.122017822	4.694547537	-2.572529715	0.002981
peak_9538	chr10	33142053	33142838	83311	Intergenic	NM_131076	wnt11r	5.065941806	7.638587546	-2.572645741	8.83E-09
peak_38282	chr15	21137804	21138169	-28484	Intergenic	NM_001080802	scn3b	3.046703014	5.619475291	-2.572772276	0.01347
peak_26085	chr13	24847134	24847469	-38830	Intergenic	NM_131272	msxc	3.019847667	5.593028033	-2.573180366	0.000567
peak_31304	chr11	719452	719756	-1276	Intergenic	NM_001037576	syn2b	1.800163388	4.373433103	-2.573269716	0.002851
peak_33747	chr10	39525985	39526737	83489	Intergenic	NM_001001886	usp25	4.104305698	6.677576789	-2.573271092	0.005202
peak_17286	chr18	39937249	39937716	47406	Intergenic	NM_001006018	bcl7bb	3.833022039	6.406679103	-2.573657064	8.44E-06
peak_29155	chr12	31894852	31895264	40195	Intergenic	NM_001164028	tdrd1	2.834474036	5.408158417	-2.573684382	0.001586
peak_21274	chr25	29048701	29049182	-90671	Intergenic	NM_001114348	fezf1	4.376683808	6.950872843	-2.574189036	7.63E-05
peak_23277	chr20	22645734	22646390	-6812	Intergenic	NM_001075113	lnx1	3.753556765	6.327780284	-2.574223519	0.000188
peak_26708	chr2	23322024	23322494	5126	3' UTR (NM_001256203, exon 7 of 7)	NM_001256203	angptl4	2.614767619	5.189006589	-2.57423897	0.000703
peak_15292	chr23	27403846	27404358	-10599	Intergenic	NM_001214908	wu:fc13c02	4.2869161	6.861902844	-2.574986744	2.25E-06
peak_14692	chr18	43570240	43570705	-43774	Intergenic	NM_001004538	gyltl1b	4.025258877	6.600356029	-2.575097151	1.45E-06
peak_14913	chr6	48086844	48087380	-8431	Intergenic	NM_201202	phc2b	4.730456497	7.305589903	-2.575133406	1.69E-06
peak_15786	chr23	17855905	17856253	-28013	Intergenic	NM_001030133	bhlhe23	3.033337828	5.608576717	-2.57523889	3.25E-06
peak_13030	chr5	38293798	38294787	240	intron (NM_130958, intron 1 of 7)	NM_130958	dlb	5.426189048	8.001734424	-2.575545376	3.65E-07
peak_40040	chr16	54030495	54030824	66937	intron (NM_001017775, intron 1 of 7)	NM_001017775	zgc:110372	3.006230172	5.582010391	-2.575780219	0.01813
peak_22679	chr14	48055201	48055620	89885	Intergenic	NM_001080662	shisa3	2.897965428	5.473852289	-2.575886861	0.000147
peak_27590	chr20	10261844	10262522	43631	Intergenic	NM_130910	meis2b	4.504511106	7.080424282	-2.575913176	0.000954
peak_12279	chr12	36727335	36728005	-137156	Intergenic	NM_200770	fscn2b	4.898745647	7.474674295	-2.575928648	1.75E-07
peak_21212	chr12	43319362	43319778	-51723	Intergenic	NM_001020516	dpysl4	2.459077363	5.035023088	-2.575945725	7.44E-05
peak_37157	chr24	14236183	14236486	91999	intron (NM_131777, intron 2 of 21)	NM_131777	ncoa2	1.938847741	4.514831072	-2.575983331	0.010915
peak_9192	chr4	18467822	18469984	159561	intron (NM_182865, intron 16 of 23)	NM_182865	snd1	7.221991163	9.798092049	-2.576100886	5.44E-09
peak_22730	chr10	4025765	4026050	-28171	Intergenic	NM_200920	pitpnb	2.451058288	5.027239944	-2.576181656	0.00015
peak_11733	chr4	13114025	13114837	-76694	Intergenic	NM_001030098	prickle1b	4.317074445	6.893404855	-2.576330409	1.02E-07
peak_7573	chr11	19132051	19132924	-6846	Intergenic	NM_131245	id1	7.249040682	9.825379351	-2.576338668	4.92E-10
peak_13439	chr20	29514623	29517046	-6417	Intergenic	NM_001001409	actc1a	4.962310563	7.538903451	-2.576592888	5.27E-07
peak_14135	chr20	29430229	29430692	67025	Intergenic	NM_212852	grem1a	3.587486179	6.164081831	-2.576595651	9.37E-07
peak_28303	chr14	38511282	38511576	304530	Intergenic	NM_001048055	lect2l	2.31603542	4.892755076	-2.576719656	0.001212
peak_25754	chr8	20314333	20314603	102097	Intergenic	NM_131271	foxd1	2.210458296	4.787273779	-2.576815483	0.000506
peak_41593	chr24	3719610	3720021	163133	Intergenic	NM_001168264	wdr37	-0.360322949	2.216510133	-2.576833082	0.023296
peak_21178	chr3	14502379	14503011	129638	intron (NM_001040248, intron 3 of 10)	NM_001040248	nfixb	4.516031849	7.092965144	-2.576933294	7.36E-05
peak_25404	chr8	8466594	8466987	-117069	Intergenic	NM_131848	tfe3a	1.812734601	4.389679886	-2.576945284	0.00045

peak_8271	chr6	2146958	2147803	74301	intron (NM_001083853, intron 2 of 9)	NM_207083	med8	6.491792586	9.068798641	-2.577006056	1.52E-09
peak_40601	chr22	7336514	7337028	-129928	Intergenic	NM_214791	asic1b	3.119490251	5.696923031	-2.57743278	0.019925
peak_11661	chr24	2961716	2963136	75525	Intergenic	NM_130916	inhbaa	6.414092475	8.991542775	-2.5774503	9.52E-08
peak_13517	chr14	31573460	31574145	-96	promoter-TSS (NM_001008587)	NM_001008587	efemp2a	4.41331882	6.990899479	-2.577580659	5.62E-07
peak_10242	chr23	92117	93041	17444	Intergenic	NM_130985	twist3	5.263034397	7.840729432	-2.577695035	2.03E-08
peak_38737	chr19	32563039	32563711	23873	Intergenic	NM_200318	arl4ab	-0.360322949	2.217376759	-2.577699708	0.014561
peak_36496	chr13	48986351	48987130	-200420	Intergenic	NM_001098262	zmp:000000113	3.368192036	5.946030134	-2.577838098	0.009535
peak_13814	chr6	43030614	43031372	-7518	Intergenic	NM_001130694	lrrn1	3.84531137	6.423294647	-2.577983277	7.17E-07
peak_8321	chr19	39162439	39163172	-6434	Intergenic	NM_001122760	thsd7a	5.605687106	8.183910592	-2.578223485	1.64E-09
peak_22271	chr10	12447778	12448067	-312695	Intergenic	NM_001004502	lpar1	3.014416083	5.593005284	-2.578589201	0.000123
peak_28836	chr13	32499044	32499286	131193	Intergenic	NM_001006079	osr1	2.111880861	4.690658736	-2.578777875	0.001432
peak_15587	chr9	29519532	29519924	-87349	Intergenic	NM_001044766	klf7b	3.333588892	5.913029892	-2.579441	2.77E-06
peak_13164	chr22	7400737	7401228	-76418	Intergenic	NM_001003737	zgc:92041	4.196066283	6.775861425	-2.579795142	4.12E-07
peak_10865	chr2	50097031	50097585	4892	intron (NM_198808, intron 1 of 10)	NM_198808	stap2a	5.635702642	8.215673077	-2.579970434	4.23E-08
peak_7983	chr25	37514308	37516211	27699	Intergenic	NM_213100_1	irx3b	7.869917196	10.44993607	-2.580018871	9.29E-10
peak_23100	chr12	44225679	44226094	56752	intron (NM_001080602, intron 6 of 15)	NM_001080602	ebf3	3.705394096	6.285479978	-2.580085882	0.000176
peak_10627	chr14	1098238	1098710	-12885	intron (NM_212882, intron 3 of 12)	NM_001258230	slc16a2	4.868119378	7.448367908	-2.58024853	3.23E-08
peak_22083	chr9	34428165	34429038	-22676	intron (NM_152941, intron 11 of 25)	NM_001128546	gpr34b	4.158322191	6.738631414	-2.580309222	0.000113
peak_19013	chr2	39837314	39837674	2644	intron (NM_001005919, intron 2 of 16)	NM_001005919	epha4a	3.776199364	6.356709195	-2.580509831	2.39E-05
peak_24684	chr17	38424533	38424811	2404	TTS (NM_001099603)	NM_001099603	nkx2.9	2.625495796	5.206008155	-2.580512359	0.000343
peak_10795	chr7	36305755	36306643	56690	Intergenic	NM_199272	esrp2	6.529715778	9.110416726	-2.580700948	3.84E-08
peak_21344	chr13	38676414	38676790	53143	Intergenic	NR_120381		3.038698769	5.619409836	-2.580711067	7.90E-05
peak_11545	chr16	24751311	24751811	112119	Intergenic	NM_001013495	s100t	5.755545454	8.336324771	-2.580779317	8.59E-08
peak_21719	chr24	10342417	10343049	128495	Intergenic	NM_131412	myca	4.576470503	7.157375378	-2.580904875	9.48E-05
peak_9301	chr8	11705143	11705955	3459	intron (NM_001002871, intron 1 of 19)	NM_001002871	trim33	5.592507058	8.173555024	-2.581047966	6.39E-09
peak_16468	chr17	44276103	44276516	19786	Intergenic	NM_131251	otx2	3.693448485	6.27466685	-2.581218365	5.15E-06
peak_9982	chr19	7393433	7395049	3063	intron (NM_001245959, intron 1 of 5)	NM_001245959	pvrl2l	6.539466866	9.120947226	-2.581480359	1.53E-08
peak_29761	chr18	46712500	46712855	92179	Intergenic	NM_001037706	smtla	2.200926086	4.782508377	-2.58158229	0.001895
peak_13637	chr3	34283390	34284270	840	TTS (NR_030100)	NR_030100		4.486912637	7.069325371	-2.582412734	6.25E-07
peak_23558	chr14	44376591	44376976	-32518	Intergenic	NM_001115099	pcdh18b	3.302598733	5.88522099	-2.582622257	0.000212
peak_10698	chr3	24438335	24439722	-42420	Intergenic	NM_001003478	prr15la	7.831069809	10.41371954	-2.582649736	3.45E-08
peak_22461	chr22	13761749	13762126	233471	Intergenic	NM_001002552	s100b	2.533336158	5.116284458	-2.5829483	0.000133
peak_13467	chr2	5416409	5417040	-19553	Intergenic	NM_200475	slc35d1b	4.040035898	6.623067396	-2.583031499	5.40E-07
peak_17049	chr1	28800140	28800686	-2876	Intergenic	NM_001001820	zic2b	3.982700169	6.565767029	-2.583066861	7.23E-06
peak_8828	chr16	34684737	34685537	-66831	Intergenic	NM_001130601	mms22l	6.654849842	9.238179265	-2.583329422	3.32E-09
peak_24555	chr7	11936371	11936752	207136	Intergenic	NM_200157	abhd17c	3.18152925	5.765138424	-2.583609174	0.000324
peak_12701	chr3	3195299	3196464	194200	Intergenic	NM_001098774	zgc:165583	6.40501031	8.988796365	-2.583786055	2.65E-07
peak_25076	chr3	14584597	14584867	101836	intron (NM_001040248, intron 3 of 10)	NM_201195	nme4	2.31603542	4.899861094	-2.583825674	0.000399
peak_18586	chr3	24452803	24453207	-28443	Intergenic	NM_001003478	prr15la	3.602044119	6.185930203	-2.583886083	1.86E-05
peak_9778	chr9	27141996	27142679	5178	intron (NM_131023, intron 1 of 4)	NM_131023	efnb2a	5.084889623	7.668805594	-2.583915971	1.21E-08
peak_21480	chr5	46510855	46511340	-48867	Intergenic	NM_199942	fbp1a	4.081035483	6.665008044	-2.58397256	8.45E-05
peak_16806	chr19	41500921	41501492	190341	Intergenic	NM_001245085	LOC558612	4.621876502	7.206084459	-2.584207958	6.33E-06
peak_11123	chr16	42328901	42329602	-91902	intron (NM_001076716, intron 10 of 13)	NM_182855	tgfbr2	5.452092413	8.036431796	-2.584339383	5.61E-08
peak_18876	chr4	60182838	60183191	-63113	Intergenic	NM_201580	nup50	3.510254836	6.094663638	-2.584408802	2.21E-05
peak_34193	chr19	26928269	26928755	18113	intron (NM_001044937, intron 1 of 20)	NM_001044937	npr1a	4.158250357	6.742748221	-2.584497864	0.005758
peak_21933	chr22	38860476	38860898	469042	Intergenic	NM_001113587	hykk.2	3.542799588	6.127349994	-2.584550406	0.000106
peak_17335	chr17	27337892	27338416	22260	Intergenic	NM_001002368	ctsl.1	3.954531943	6.539173368	-2.584641425	8.69E-06
peak_21111	chr7	50937375	50937708	170649	Intergenic	NM_001020629	hrasb	3.147197703	5.731850055	-2.584652351	7.08E-05
peak_9080	chr18	17613872	17614789	-45725	intron (NM_001080030, intron 5 of 7)	NM_001080164	si:ch211-212o1.2	6.304039413	8.888785497	-2.584746084	4.70E-09
peak_12689	chr6	48089843	48090357	-5443	Intergenic	NM_201202	phc2b	5.494706962	8.079502823	-2.584795861	2.60E-07
peak_25741	chr11	38413245	38413610	-57635	Intergenic	NM_001040385	egfl7	3.073219981	5.658147772	-2.584927791	0.000503
peak_37001	chr7	18773732	18774145	-21741	Intergenic	NM_130953	men1	0.625495796	3.210583007	-2.585087211	0.01057
peak_11298	chr2	31962872	31963411	17021	intron (NM_200070, intron 1 of 10)	NM_200070	fam49ba	6.569733702	9.154829435	-2.585095733	6.63E-08
peak_11607	chr15	20435024	20435745	26086	Intergenic	NR_030067		4.2869161	6.872200575	-2.585284475	9.11E-08
peak_8315	chr23	2064984	2066727	-6733	Intergenic	NM_001002301	prdm5	7.097976342	9.683350382	-2.58537404	1.63E-09
peak_11013	chr10	3593588	3594208	66140	Intergenic	NM_001037412	zgc:123275	5.288604559	7.874272784	-2.585668225	5.00E-08
peak_19881	chr5	58434525	58434881	60342	Intergenic	NM_001100053	tmem232	3.10167217	5.687414316	-2.585742146	3.84E-05
peak_11555	chr1	2069444	2069940	52459	Intergenic	NM_001145604	kpnb3	4.702814493	7.288788867	-2.585974374	8.72E-08
peak_9030	chr3	34471772	34472568	152817	Intergenic	NM_213197	znf207a	6.460355459	9.046618122	-2.586262663	4.36E-09
peak_8320	chr13	26111273	26112385	34732	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	6.497901332	9.084205032	-2.5863037	1.64E-09
peak_36749	chr8	35557497	35557874	-23418	Intergenic	NM_200894_15	zgc:77614	-0.360322949	2.226155382	-2.586478331	0.010011
peak_13182	chr23	23749214	23750116	-30335	Intergenic	NM_001177452	hm:gc12	5.200891215	7.787399332	-2.586508117	4.16E-07
peak_20582	chr13	28502419	28502806	-6711	Intergenic	NM_170765	tlx1	3.08363127	5.670243633	-2.586612363	5.55E-05
peak_27005	chr25	36059971	36060355	-26178	Intergenic	NM_001017622	cdk10	3.041371788	5.628158033	-2.586786245	0.00078
peak_17510	chr22	5165747	5166327	-138174	Intergenic	NM_001118891	s1pr4	4.487835643	7.07491726	-2.587081617	9.85E-06
peak_41662	chr16	38647063	38647457	-254074	Intergenic	NM_001115142	snrnp48	-0.360322949	2.226763905	-2.587086854	0.023482
peak_8449	chr10	45392896	45393502	72969	Intergenic	NM_001003782	sept5b	6.51535305	9.102460273	-2.587107223	1.96E-09
peak_12603	chr7	40293482	40293978	3657	intron (NM_001243038, intron 1 of 11)	NM_001243038	creb3l1	5.057383766	7.644598835	-2.587215069	2.40E-07
peak_13723	chr23	43419092	43419801	-203644	Intergenic	NM_001004647	tgm2a	4.821359569	7.409000383	-2.587640815	6.65E-07
peak_9119	chr4	18442220	18442804	185952	intron (NM_182865, intron 16 of 23)	NM_182865	snd1	5.658131683	8.245811677	-2.587679994	4.95E-09
peak_10403	chr2	33698399	33699681	12099	exon (NM_130988, exon 6 of 20)	NM_130988	ptch2	5.963015635	8.550734784	-2.587719149	2.44E-08
peak_18184	chr19	22170210	22170639	28466	Intergenic	NM_001159669	LOC100003866	3.340116769	5.927852866	-2.587736097	1.51E-05
peak_10880	chr23	3716918	3717540	17733	Intergenic	NM_201145	nudt3a	4.957365387	7.545472405	-2.588107018	4.32E-08
peak_17743	chr20	43316490	43316892	-94151	Intergenic	NM_001044916	unc93a	3.755185932	6.343518307	-2.588332375	1.16E-05
peak_30949	chr9	22802320	22802641	-26782	Intergenic	NM_001123300	rev1	2.320443851	4.908798354	-2.588354503	0.002588
peak_12117	chr9	44840581	44841442	-30182	Intergenic	NM_200921	ube2e3	5.6797635	8.268145724	-2.588382224	1.50E-07
peak_16781	chr3	29907425	29907723	41680	intron (NM_200641, intron 1 of 3)	NM_200641	cacng2a	3.086222395	5.674775345	-2.58855295	6.24E-06
peak_12147	chr1	16200644	16201384	-68259	intron (NM_212967, intron 7 of 30)	NM_131877	casp3a	5.455603729	8.04431981	-2.588716081	1.56E-07
peak_13369	chr13	18623495	18623851	28858	intron (NM_001076573, intron 5 of 6)	NM_001076573	zgc:154058	4.071837003	6.660728907	-2.588891904	4.98E-07
peak_9515	chr8	29341243	29341944	20572	Intergenic	NM_001040357	slc52a3	5.405529105	7.99442623	-2.588897125	8.51E-09
peak_43840	chr11	24702527	24702815	-30321	Intergenic	NM_001145767	nfasca	-0.360322949	2.228757888	-2.589080837	0.032329
peak_11012	chr18	32370473	32371682	13107	Intergenic	NM_001144796	c3orf33	7.363872827	9.953286535	-2.589413708	5.00E-08
peak_11018	chr6	21040861	21041709	11136	Intergenic	NM_205740	barhl2	4.447031973	7.036486859	-2.589454886	5.02E-08
peak_14816	chr1	16065076	16065586	-53486	Intergenic	NM_212967	fat1a	4.965832482	7.555311171	-2.58947869	1.59E-06
peak_8531	chr5	74901884	74902747	-12550	Intergenic	NM_131208	lhx3	6.516073892	9.105597015	-2.589523123	2.18E-09
peak_10307	chr22	16372734	16373322	-3149	Intergenic	NM_001100086	slc30a7	4.980571993	7.570551939	-2.589979946	2.20E-08
peak_28513	chr12	33184859	33185276	-13289	Intergenic	NM_001008594	tectb	2.614767619	5.204774731	-2.590007112	0.001296
peak_43317	chr9	9399168	9401478	50030	Intergenic	NM_001014345	cbsb	-0.360322949	2.229879429	-2.590202378	0.030081
peak_43314	chr20	45279396	45279774	575761	Intergenic	NM_001013534	zgc:103511	-0.360322949	2.229879429	-2.590202378	0.030081
peak_43316	chr6	17611454	17611772	-387205	Intergenic	NM_131029	ntn1a	-0.360322949	2.229879429	-2.590202378	0.030081
peak_43315	chr23	22059665	22060127	102012	Intergenic	NM_001003477	dhrs3a	-0.360322949	2.229879429	-2.590202378	0.030081
peak_43313	chr13	28120914	28121337	-54165	Intergenic	NM_001003454	b3gat2	-0.360322949	2.229879429	-2.590202378	0.030081
peak_30296	chr9	43156163	43156640	17321	intron (NM_001020731, intron 1 of 7)	NM_001020731	pcbp3	3.523698724	6.113908781	-2.590210057	0.00219
peak_8590	chr1	35535776	35537131	38256	intron (NM_001080012, intron 11 of 12)	NM_001080012	hhip	5.940238868	8.53099336	-2.590754493	2.34E-09
peak_19436	chr15	4361418	4361765	25501	intron (NM_198208, intron 1 of 13)	NM_198208	tfdp2	3.027956891	5.618910273	-2.590953382	2.97E-05
peak_14345	chr6	18112484	18113095	113971	intron (NM_131029, intron 5 of 5)	NM_131029	ntn1a	4.447031973	7.038079495	-2.591047522	1.10E-06
peak_13841	chr8	16880368	16881038	45137	intron (NM_212973, intron 7 of 18)	NM_212973	faf1	4.006150351	6.597223169	-2.591072817	7.36E-07
peak_17382	chr18	45251851	45252356	-79794	Intergenic	NM_001282486	dner	3.348774912	5.940315094	-2.591540182	9.03E-06
peak_35838	chr19	34419733	34419978	42855	intron (NM_001044847, intron 6 of 18)	NM_001044885	klhl38a	1.426730103	4.018327224	-2.591597121	0.008273
peak_27238	chr9	48055047	48055345	-164083	Intergenic	NM_001126463	igfbp5a	1.944570835	4.536557889	-2.591987055	0.000844
peak_40416	chr18	31960241	31960568	-86719	Intergenic	NM_001083877	olfcq19	-0.360322949	2.23177618	-2.592099129	0.019302
peak_29159	chr24	24541036	24541560	9264	Intergenic	NM_131384	arxa	3.572672044	6.164923168	-2.592251124	0.001587
peak_13501	chr23	655004	655617	-1749	Intergenic	NM_131383	nadl1.1	4.760062422	7.352391789	-2.592329366	5.56E-07
peak_9463	chr8	4484953	4485900	-57895	Intergenic	NM_001040045	myl2b	6.651573277	9.244358519	-2.592785242	7.98E-09
peak_8932	chr9	51460518	51462165	-295849	Intergenic	NM_001017644	slc38a11	8.640565196	11.23359132	-2.593026119	3.82E-09

peak_15014	chr21	1748988	1749527	-159894	Intergenic	NM_205605	wdr91	5.562034842	8.155155418	-2.593120576	1.82E-06
peak_21821	chr6	25465451	25465844	221939	Intergenic	NM_212689	lmo4b	3.302598733	5.895772102	-2.593173368	9.99E-05
peak_10327	chr12	49888853	49889336	17349	Intergenic	NM_001002570	zgc:92749	5.541384024	8.134595357	-2.593211332	2.25E-08
peak_17658	chr24	32503618	32504109	10364	Intergenic	NR_048923_1		3.353084575	5.946501151	-2.593416576	1.10E-05
peak_12912	chr25	29011402	29011907	-127958	Intergenic	NM_001114348	fezf1	5.2704584	7.864004813	-2.593546413	3.20E-07
peak_10846	chr5	6537471	6538159	25365	Intergenic	NM_001013333	zgc:110796	5.28916694	7.883331885	-2.594164944	4.08E-08
peak_23052	chr17	51282620	51283218	-46636	intron (NM_001256215, intron 4 of 15)	NM_001002063	stxbp6	4.050688545	6.644864262	-2.594175717	0.000173
peak_11173	chr9	32238484	32239062	37754	intron (NM_001037416, intron 1 of 7)	NM_001037416	clybl	4.965832482	7.560080752	-2.59424827	5.90E-08
peak_11991	chr5	50043383	50043884	-697	promoter-TSS (NM_001130962)	NM_001130962	mef2cb	3.927248682	6.521559385	-2.594310703	1.34E-07
peak_9187	chr11	37757938	37758492	45743	intron (NM_203484, intron 2 of 46)	NM_203484	cacna1da	5.501545709	8.095953908	-2.594408198	5.41E-09
peak_13156	chr23	29665956	29666535	-28868	intron (NM_194382, intron 28 of 46)	NM_213453	pgd	4.696044874	7.290515759	-2.594470885	4.10E-07
peak_24813	chr7	13826488	13826757	-30916	Intergenic	NM_001100436	rplp2l	2.200926086	4.795427205	-2.594501118	0.000361
peak_9507	chr12	44172266	44173633	109689	intron (NM_001080602, intron 8 of 15)	NM_001080602	ebf3	6.683655954	9.27822279	-2.594566836	8.39E-09
peak_27427	chr19	44002470	44002893	-19480	Intergenic	NM_001017801	psmb4	2.862128275	5.456940619	-2.594812344	0.000901
peak_26358	chr19	26262695	26263043	-4361	Intergenic	NM_212563	pard6gb	2.31603542	4.911053564	-2.595018144	0.000623
peak_32486	chr13	53783303	53783809	198	intron (NM_199954, intron 1 of 2)	NM_199954	klc1b	0.625495796	3.220606317	-2.595110521	0.003876
peak_13883	chr20	20072522	20073015	-141675	intron (NM_001276280, intron 11 of 11)	NM_212570	ptk2bb	4.787435225	7.382935534	-2.59550031	7.60E-07
peak_23298	chr16	57588112	57588675	31272	intron (NM_001128260, intron 5 of 9)	NM_001128260	zgc:172096	3.761684263	6.357308912	-2.595624649	0.00019
peak_16908	chr3	30618930	30619364	20035	exon (NM_214766, exon 12 of 19)	NM_214766	med25	3.920004586	6.51574295	-2.595738363	6.71E-06
peak_15878	chr4	60156293	60156713	-89624	Intergenic	NM_201580	nup50	3.548447992	6.144345968	-2.595897976	3.46E-06
peak_26785	chr2	43059360	43059761	1910	exon (NM_001080192, exon 3 of 15)	NM_001080192	oc90	0.967238845	3.563219751	-2.595980906	0.000724
peak_13464	chr19	15411896	15412461	-35960	Intergenic	NM_199211	ctps1a	5.661201531	8.257593199	-2.596391668	5.38E-07
peak_8001	chr2	57585722	57586921	-34649	Intergenic	NM_001245962_1	sbno2a	6.750869712	9.347377382	-2.59650767	9.56E-10
peak_7006	chr14	44406305	44410255	-1021	Intergenic	NM_001115099	pcdh18b	9.070827183	11.66736189	-2.596534709	1.73E-10
peak_15710	chr25	17030949	17031813	-15313	Intergenic	NM_001033717	cecr1a	5.908682507	8.505452929	-2.596770422	3.07E-06
peak_26300	chr21	20337124	20337503	65347	TTS (NM_001014304)	NM_001014304	pvrl3b	3.19853316	5.795318857	-2.596785697	0.00061
peak_10727	chr7	47122801	47123572	-450104	Intergenic	NM_001020749	pop4	5.826405296	8.423308483	-2.596903188	3.56E-08
peak_10559	chr21	36652754	36653148	-84060	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	4.282403856	6.879376841	-2.596972985	2.91E-08
peak_18129	chr18	38739672	38740064	-15927	Intergenic	NM_001177495	ugt5c1	3.531436	6.128445352	-2.597009353	1.47E-05
peak_9493	chr17	6780321	6781020	59794	Intergenic	NM_001287088	zgc:172341	5.979178573	8.576209036	-2.597030464	8.30E-09
peak_16733	chr10	2576587	2576942	-32153	Intergenic	NM_001008630	nxnl2	2.732111944	5.329320975	-2.597209031	6.06E-06
peak_11977	chr9	19159151	19159779	193716	Intergenic	NM_212745	tsc22d1	5.30988708	7.90709749	-2.59721041	1.32E-07
peak_13773	chr1	13242722	13243431	9932	intron (NM_001020725, intron 9 of 15)	NM_001020725	crmp1	5.109972226	7.707540924	-2.597568699	6.93E-07
peak_13596	chr13	17024017	17024556	452654	intron (NM_001020701, intron 6 of 6)	NM_001145600	kcnma1a	3.733765494	6.331561115	-2.597795621	6.00E-07
peak_10862	chr18	14936105	14936693	-20858	intron (NM_205712, intron 13 of 17)	NM_001005293	ric8b	5.528553275	8.126388353	-2.597835077	4.19E-08
peak_7585	chr6	14727839	14729259	-121461	Intergenic	NM_201447	pou3f3b	7.226998162	9.824844364	-2.597846201	5.00E-10
peak_17621	chr14	5519825	5520339	32584	intron (NM_182871, intron 3 of 4)	NM_182871	fgf24	4.325935514	6.924004056	-2.598068542	1.07E-05
peak_25889	chr12	26076504	26076880	-168614	intron (NM_001080021, intron 16 of 21)	NM_001001812	fshr	2.355234589	4.953469045	-2.598234456	0.00053
peak_10524	chr25	23111131	23111666	68117	Intergenic	NM_152953	cyp11a1	5.078397056	7.676752175	-2.598355119	2.79E-08
peak_14056	chr6	45491990	45492357	61718	intron (NM_001080051, intron 2 of 22)	NM_001080051	cntn4	4.003411208	6.601871196	-2.598459988	8.87E-07
peak_20098	chr9	13451693	13452007	55033	intron (NM_001128362, intron 2 of 7)	NM_001128362	si:dkey-56k23.2	2.735417151	5.334002511	-2.598585359	4.36E-05
peak_10288	chr20	33896626	33897256	-2922	Intergenic	NM_001002345	rxrgb	6.261299006	8.859978712	-2.598679707	2.17E-08
peak_26552	chr14	29229640	29230090	-127462	Intergenic	NM_200688	zgc:64189	1.224639552	3.823396443	-2.598756892	0.000665
peak_14608	chr16	43446100	43446992	-173510	Intergenic	NM_131442	gbp	5.643226354	8.242058411	-2.598832056	1.36E-06
peak_7530	chr19	44586047	44587814	415	intron (NM_152961, intron 1 of 3)	NM_152961	fabp3	8.243887943	10.84279611	-2.598908163	4.61E-10
peak_14565	chr9	1847467	1848003	-78007	Intergenic	NM_001017554_2		3.763304282	6.362403306	-2.599099023	1.30E-06
peak_8359	chr7	36211213	36212038	-37884	Intergenic	NM_199272	esrp2	5.942028049	8.541213722	-2.599185672	1.72E-09
peak_40187	chr2	8235302	8235528	160601	Intergenic	NM_001128395	si:ch211-71m22.	-0.360322949	2.239110336	-2.599433285	0.018581
peak_30473	chr7	48086015	48086525	304555	Intergenic	NM_001195407	tshz3b	3.917096733	6.516708741	-2.599612008	0.002296
peak_11480	chr23	36244935	36245522	15580	Intergenic	NM_131531	hoxc1a	5.491806838	8.09146222	-2.599655383	8.09E-08
peak_10803	chr23	24921841	24922452	35774	Intergenic	NM_001005990	kansl2	4.595693089	7.195364395	-2.599671307	3.88E-08
peak_17163	chr17	44289930	44290731	5765	TTS (NM_131251)	NM_131251	otx2	4.584686684	7.184785364	-2.60009868	7.80E-06
peak_16657	chr7	35881993	35882724	-60085	Intergenic	NM_001005982	cln6a	5.268781826	7.868959024	-2.600177198	5.77E-06
peak_14245	chr2	46204614	46205288	30119	intron (NM_201020, intron 1 of 1)	NM_201020	gpc1b	4.602949131	7.203166831	-2.6002177	1.02E-06
peak_10507	chr6	2049904	2050422	-14258	Intergenic	NM_001083853	pbx1b	4.930136166	7.53039861	-2.600262444	2.74E-08
peak_33877	chr21	2038966	2039239	68335	Intergenic	NM_131631	fech	2.355234589	4.955540944	-2.600306355	0.005368
peak_13070	chr13	44045748	44046420	16624	Intergenic	NM_001077794	dact2	5.575060705	8.175807643	-2.600746938	3.79E-07
peak_8745	chr9	39904734	39905474	124298	Intergenic	NM_001105135	tas2r3	6.236677309	8.8375086	-2.600831291	2.92E-09
peak_15420	chr16	6782642	6783442	-70424	Intergenic	NM_001002182	zgc:91890	4.720483721	7.321329881	-2.600846159	2.45E-06
peak_24442	chr6	37279676	37279955	30126	Intergenic	NM_213407	zranb2	2.342286181	4.9431374	-2.600851219	0.000309
peak_21144	chr4	9009155	9009435	35525	intron (NM_001045158, intron 5 of 39)	NM_001045158	sbf1	2.333588892	4.934533249	-2.600944358	7.21E-05
peak_23400	chr9	56837484	56837910	-58923	Intergenic	NM_001013334	gpm6bb	3.73706692	6.338071637	-2.601004717	0.000198
peak_7680	chr2	33699863	33701227	10594	intron (NM_130988, intron 5 of 19)	NM_130988	ptch2	7.612463519	10.21363161	-2.601168094	5.81E-10
peak_8783	chr21	3755058	3756172	-66246	Intergenic	NM_175082	smad7	8.040060263	10.64125859	-2.601198324	3.08E-09
peak_27603	chr2	19578853	19579353	39967	Intergenic	NM_131615	pbx1a	2.664163689	5.265729038	-2.60156535	0.000959
peak_27567	chr22	39128028	39128452	286245	Intergenic	NM_001017600	polr2h	2.790662565	5.392673259	-2.602010694	0.000948
peak_36584	chr20	36344033	36344500	97232	Intergenic	NM_001002720	lbr	2.944570835	5.546625925	-2.60205509	0.009705
peak_20029	chr8	34164892	34165229	64895	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	2.828296123	5.43073326	-2.602437137	4.20E-05
peak_20070	chr6	31953667	31954071	53214	Intergenic	NM_001002103	atg4c	3.621928594	6.224605303	-2.60267671	4.30E-05
peak_23763	chr11	35183554	35183974	141383	Intergenic	NM_001045355	tmem44	3.814298329	6.417099507	-2.602801179	0.000232
peak_9363	chr1	23980152	23981357	53697	Intergenic	NM_001130587	tmem154	6.096861864	8.699675584	-2.60281372	6.95E-09
peak_26271	chr19	33094243	33094512	-46704	Intergenic	NM_212561	hey1	3.124540972	5.727366913	-2.602825942	0.000603
peak_7708	chr10	32168616	32169117	19189	intron (NM_153654, intron 1 of 10)	NM_153654	pknox2	6.836081748	9.439000264	-2.602918516	6.06E-10
peak_31411	chr15	14077954	14078350	-6996	Intergenic	NM_001030247	zgc:114130	3.073219981	5.676206123	-2.602986142	0.002922
peak_15565	chr9	40517084	40517524	-459695	Intergenic	NM_200000	myl1	3.554074368	6.157274475	-2.603200108	2.74E-06
peak_18921	chr9	7570889	7571427	9655	intron (NM_130963, intron 3 of 8)	NM_130963	desma	3.342286181	5.945491457	-2.603205276	2.27E-05
peak_14399	chr6	42715010	42715411	-36484	Intergenic	NM_001014822	sema3fa	3.387228713	5.990462785	-2.603234072	1.16E-06
peak_28912	chr21	27280251	27280772	-311229	intron (NM_001079970, intron 18 of 23)	NR_023323		3.664163689	6.26746091	-2.603297221	0.001474
peak_39294	chr24	28633948	28634623	115151	Intergenic	NM_001080203	hs6st1b	3.368192036	5.97175649	-2.603564454	0.016049
peak_23665	chr7	51052314	51052708	55679	Intergenic	NM_001020629	hrasb	3.011692604	5.615329027	-2.603636423	0.000221
peak_21747	chr1	18418322	18418591	27033	Intergenic	NM_001102393	tmem192	2.552201346	5.156250891	-2.604049544	9.65E-05
peak_17888	chr22	39802627	39803154	6074	Intergenic	NM_001109837	trim35-35	3.490829325	6.094898659	-2.604069334	1.28E-05
peak_10845	chr20	27146392	27147093	24058	exon (NM_001025551, exon 9 of 10)	NM_212629	ubr7	5.832227957	8.436542192	-2.604314235	4.07E-08
peak_16786	chr14	41194770	41195241	499629	Intergenic	NM_001127519	pcdh19	3.65197232	6.256809334	-2.604837014	6.27E-06
peak_14152	chr15	9178108	9178935	-10218	Intergenic	NM_212881	ppm1na	5.430753926	8.035626616	-2.60487269	9.51E-07
peak_16356	chr3	15956891	15957281	76530	Intergenic	NM_200508	eftud2	3.552201346	6.15719688	-2.604995533	4.76E-06
peak_14233	chr13	35401828	35402183	-158808	Intergenic	NM_131863	jag1b	3.760062422	6.365268659	-2.605206237	1.01E-06
peak_8228	chr16	45998697	45999945	17363	Intergenic	NM_001135135	dbf4	6.719428743	9.324636681	-2.605207937	1.40E-09
peak_30657	chr11	33419754	33420155	115547	intron (NM_001160822, intron 3 of 3)	NM_001160822	pcdh17	2.570823028	5.17609549	-2.605272463	0.002403
peak_14270	chr5	3697597	3698088	-107038	Intergenic	NM_001008615	hspb1	3.922906591	6.528181973	-2.605275382	1.04E-06
peak_11491	chr15	28992120	28992949	-56851	Intergenic	NM_001128669	samsn1a	5.921072354	8.526460096	-2.605387741	8.15E-08
peak_32864	chr17	43305331	43305595	167721	Intergenic	NM_001118892	plk4	2.751830549	5.357416147	-2.605585597	0.004244
peak_9283	chr5	33992025	33994466	7742	TTS (NM_001024435)	NM_001077801	gas1b	7.316952652	9.922593973	-2.605641321	6.20E-09
peak_20709	chr17	41636403	41636870	56978	Intergenic	NM_199658	insm1b	3.90687284	6.512585567	-2.605712727	5.87E-05
peak_8765	chr6	11739237	11739954	-16535	intron (NM_001099261, intron 1 of 2)	NM_001114580	Mar-07	6.603427806	9.209475526	-2.60604772	2.99E-09
peak_32167	chr11	43712685	43713060	-1025	Intergenic	NM_131349	hesx1	2.525720463	5.131802218	-2.606081755	0.003561
peak_9705	chr16	49403175	49404324	45150	Intergenic	NM_131186	nr2f5	5.253234453	7.859322418	-2.606087966	1.09E-08
peak_15457	chr18	45585777	45586442	-161976	Intergenic	NM_199925	zgc:77304	4.26992192	6.876048641	-2.60612672	2.54E-06
peak_36064	chr13	26595395	26595924	-332179	Intergenic	NM_212982	fancl	3.519870379	6.126071075	-2.606200696	0.00865
peak_42579	chr16	24409736	24410257	-44547	Intergenic	NM_001114318	il6r	-0.360322949	2.24597874	-2.606301689	0.026748
peak_11273	chr8	41922927	41923637	7961	intron (NM_001080045, intron 3 of 4)	NM_001080045	asphd2	4.956657547	7.562962477	-2.60630493	6.45E-08
peak_30100	chr5	73503246	73503757	97568	intron (NM_001278805, intron 11 of 23)	NM_001278805	pappaa	3.215200887	5.821526172	-2.606325285	0.00208
peak_20462	chr6	16005370	16005705	56549	Intergenic	NM_152964	gbx2	3.091390725	5.697738675	-2.60634795	5.20E-05
peak_10294	chr21	16349523	16350335	-42170	Intergenic	NM_001161551	rxraa	5.028630606	7.635015506	-2.6063849	2.17E-08
peak_15895	chr12	38419117	38419497	-10020	Intergenic	NM_001166259	cox10	3.999292718	6.605712646	-2.606419928	3.48E-06

peak_7850	chr15	39194312	39195608	3668	intron (NM_001077577, intron 1 of 2)	NM_001077577	fat3a	8.789920979	11.39634692	-2.606425945	7.46E-10
peak_16521	chr15	29122372	29122720	-22131	intron (NM_001076633, intron 10 of 10)	NR_030050		3.625495796	6.232321015	-2.60682522	5.34E-06
peak_16264	chr8	19649888	19650379	141137	Intergenic	NM_212872	zgc:77486	4.817466197	7.424325529	-2.606859332	4.46E-06
peak_23662	chr4	20195896	20196405	54178	intron (NM_001002463, intron 1 of 6)	NM_001002463	syt1a	3.383019995	5.989911275	-2.606891281	0.000221
peak_36875	chr4	12741448	12741900	-19420	Intergenic	NM_001044805	nrcama	3.519982194	6.126983369	-2.607001175	0.010302
peak_28322	chr4	50531687	50532005	542760	Intergenic	NM_001109839_1	zgc:173617	1.205700064	3.812802461	-2.607102397	0.001222
peak_8676	chr8	5156857	5157539	31248	Intergenic	NM_001102640	tmem230b	5.47207183	8.079185015	-2.607113185	2.63E-09
peak_12362	chr8	16867465	16868015	58100	intron (NM_212973, intron 8 of 18)	NM_212973	faf1	4.319278758	6.926437983	-2.607159225	1.91E-07
peak_11438	chr3	9033012	9033582	60844	Intergenic	NM_131836_1	sim2	4.986825782	7.594007008	-2.607181226	7.69E-08
peak_10554	chr6	14829662	14831450	-19454	Intergenic	NM_201447	pou3f3b	6.205665308	8.813016096	-2.607350788	2.90E-08
peak_23056	chr13	27360715	27361340	96248	Intergenic	NM_001145687	soul2	4.152080371	6.759432656	-2.607352284	0.000173
peak_15275	chr7	45001677	45002156	-241105	Intergenic	NM_131214	cdh11	3.722150645	6.329804621	-2.607653976	2.22E-06
peak_9178	chr15	17235331	17235949	-51914	Intergenic	NM_001039638	or131-2	6.140925638	8.748639506	-2.607713869	5.34E-09
peak_19844	chr22	36694102	36694516	451482	Intergenic	NM_001003610	nicn1	3.147197703	5.755268612	-2.608070909	3.76E-05
peak_12403	chr5	70030348	70030846	80748	Intergenic	NM_001126403	rps6ka4	3.967238845	6.575384796	-2.60814595	2.00E-07
peak_27957	chr18	8974576	8974850	27159	intron (NM_001045084, intron 1 of 16)	NM_001045084	sema3e	2.664163689	5.272433317	-2.608269628	0.00109
peak_22044	chr6	44760275	44760642	-427176	Intergenic	NM_001256392	pdzrn3b	2.540911861	5.149464632	-2.60855277	0.000111
peak_13039	chr7	38385790	38386397	365172	Intergenic	NR_036681		4.92580277	7.534443664	-2.608640895	3.67E-07
peak_12679	chr14	21555672	21556178	337088	Intergenic	NM_001080068	ids	4.83917979	7.447851705	-2.608671914	2.57E-07
peak_16582	chr11	46429698	46430428	260	intron (NM_001002705, intron 1 of 14)	NM_001002705	tmc6b	4.759203456	7.368080631	-2.608877175	5.53E-06
peak_18652	chr15	3448542	3448948	54826	Intergenic	NM_001077257	foxo1a	2.555944961	5.165263827	-2.609318866	1.94E-05
peak_18229	chr7	23421452	23421868	-41020	Intergenic	NM_001017620	tmem256	3.650222256	6.259704259	-2.609482003	1.55E-05
peak_9286	chr11	3820542	3821403	101671	Intergenic	NM_131233	gata2a	6.814321122	9.423848258	-2.609527136	6.23E-09
peak_30174	chr13	51612702	51612950	-9528	Intergenic	NM_001014817_1	dntt	0.625495796	3.235057922	-2.609562127	0.002129
peak_19293	chr20	16807906	16808491	24593	intron (NM_200082, intron 3 of 5)	NM_200082	calm1b	3.921456318	6.531100835	-2.609644517	2.77E-05
peak_9215	chr13	29399897	29400555	48213	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	5.128390782	7.738074273	-2.609683491	5.66E-09
peak_38354	chr2	45941079	45941465	161182	Intergenic	NM_001034987	itgb1b	2.972850631	5.582620818	-2.609770187	0.013665
peak_22530	chr20	9144883	9145333	155930	Intergenic	NM_001164029	mysm1	3.183950523	5.794264249	-2.610313726	0.000137
peak_23950	chr22	37143510	37143845	321259	Intergenic	NM_001202416	terf2ip	2.525720463	5.136039195	-2.610318731	0.000251
peak_33480	chr17	33840857	33841959	78105	Intergenic	NM_001003442	dnal1	4.227058092	6.837494043	-2.61043595	0.004899
peak_20274	chr23	26962864	26963419	-10726	Intergenic	NM_001080679	zgc:158263	4.081035483	6.691636479	-2.610600995	4.76E-05
peak_17896	chr12	42230756	42231201	-898765	Intergenic	NM_212880	zgc:76887	4.084927414	6.695550935	-2.610623521	1.28E-05
peak_18537	chr2	2588996	2589559	-97	promoter-TSS (NM_001040386)	NM_001040386	dab1b	4.670321705	7.280987655	-2.610665951	1.82E-05
peak_19651	chr20	27533973	27534429	98716	Intergenic	NR_030115		2.964424746	5.57549651	-2.611071765	3.39E-05
peak_31075	chr20	30895629	30896615	30733	Intergenic	NM_200198	hebp2	0.625495796	3.236667637	-2.611171841	0.002667
peak_41654	chr2	9726917	9727228	-7946	intron (NM_001100088, intron 10 of 11)	NM_001100090	tsen15	-0.360322949	2.25090355	-2.611226499	0.02347
peak_16696	chr16	11604153	11605000	-30168	Intergenic	NM_001039990	id4	5.152152513	7.76338267	-2.611230157	5.93E-06
peak_21820	chr15	10768055	10769159	234042	intron (NM_130969, intron 7 of 31)	NM_130969	odz4	4.597563502	7.208808225	-2.611244723	9.99E-05
peak_29702	chr7	68179690	68180100	159380	Intergenic	NM_001110471	parvab	1.205700064	3.817184428	-2.611484364	0.00186
peak_22084	chr10	32280152	32280559	45388	Intergenic	NM_200398	tmem218	2.941712126	5.55324772	-2.611535594	0.000113
peak_27033	chr11	43949432	43949834	102976	Intergenic	NM_001001823	tdrd3	3.073219981	5.684932554	-2.611712573	0.000785
peak_31623	chr21	43963320	43963693	-46419	intron (NM_001012389, intron 3 of 10)	NM_001001404	vdac1	2.42263522	5.034440203	-2.611804983	0.003099
peak_10730	chr13	5225849	5226511	19766	intron (NM_131893, intron 7 of 12)	NM_131893	meis1	4.911220758	7.523027008	-2.61180625	3.57E-08
peak_10441	chr7	52503005	52504273	-54957	Intergenic	NM_001123230	col4a5	5.722959102	8.3350176	-2.612058498	2.55E-08
peak_14513	chr4	16487498	16487862	2367	TTS (NM_131219)	NM_131219	ascl1a	3.342286181	5.954441232	-2.612155051	1.27E-06
peak_19447	chr1	52019824	52020190	-26083	intron (NM_131897, intron 9 of 12)	NM_001111157	etaa1	3.229335828	5.841491733	-2.612155905	3.00E-05
peak_15691	chr17	12371433	12371771	-10094	Intergenic	NM_001045342	emilin1b	3.580151749	6.192459027	-2.612307279	3.04E-06
peak_21499	chr16	10561214	10561602	-166642	Intergenic	NM_001034965	kiaa0947l	2.738714804	5.351048877	-2.612334074	8.53E-05
peak_9433	chr18	44217751	44218220	7770	intron (NM_001195613, intron 1 of 27)	NM_001195613	abcc5	4.902426009	7.514820837	-2.612394828	7.69E-09
peak_19602	chr17	37214780	37215121	-58901	Intergenic	NM_001018140	dnmt3ab	3.264212416	5.876618945	-2.612406529	3.29E-05
peak_24730	chr3	49617584	49617965	-15925	Intergenic	NM_212985	metrnl	3.327031342	5.939545328	-2.612513985	0.000349
peak_12773	chr24	42674884	42675564	-31795	intron (NM_001045123, intron 1 of 3)	NM_001077795	zgc:153492	4.022555809	6.635078872	-2.612523063	2.83E-07
peak_42844	chr20	54120419	54121431	-37753	Intergenic	NM_001177935	dio3b	-0.360322949	2.25221264	-2.612535589	0.027848
peak_42845	chr21	39536812	39537087	-8141	Intergenic	NM_001048064	elnb	-0.360322949	2.25221264	-2.612535589	0.027848
peak_15451	chr7	36942653	36943070	27893	Intergenic	NM_001023575	irx6a	3.933017882	6.545876257	-2.612858376	2.52E-06
peak_25825	chr21	35581856	35582461	135683	Intergenic	NM_001122621	mrpl22	3.335768134	5.948929503	-2.613161369	0.000517
peak_23238	chr2	23436301	23436695	17298	intron (NM_001128248, intron 3 of 7)	NM_001128248	kcnn1a	3.08363127	5.696915943	-2.613284673	0.000186
peak_10014	chr3	6825332	6826689	117257	Intergenic	NM_001003625_1	nup85	7.110000081	9.723356612	-2.613356531	1.59E-08
peak_12062	chr2	39401041	39401592	-21291	Intergenic	NM_001256642	spsb4a	5.562527284	8.175972406	-2.613445122	1.42E-07
peak_10710	chr20	8194591	8195502	402003	Intergenic	NM_001040685	dab1a	6.602762522	9.216367666	-2.613605143	3.51E-08
peak_13151	chr25	6088150	6088538	-34897	Intergenic	NM_001128075	appl2	3.451058288	6.064752399	-2.613694112	4.07E-07
peak_7577	chr20	35257813	35258839	12442	intron (NM_001042761, intron 2 of 6)	NM_001042761	fzd3a	6.470089187	9.083822195	-2.613733008	4.95E-10
peak_15102	chr2	37078487	37079007	43664	Intergenic	NM_131855	prkci	4.566244234	7.180111216	-2.613866981	1.95E-06
peak_12338	chr5	28461127	28461902	17744	Intergenic	NM_001128348	si:ch211-102c2.4	5.041410737	7.655320289	-2.613909553	1.87E-07
peak_20122	chr13	31195219	31195652	20657	Intergenic	NM_001083819	vstm4a	2.941712126	5.555729474	-2.614017348	4.41E-05
peak_19302	chr24	2621821	2622311	54524	intron (NM_001105594, intron 2 of 2)	NM_001105594	fars2	4.979219237	7.593251094	-2.614031857	2.78E-05
peak_7857	chr15	13372816	13373997	181621	Intergenic	NM_201179	sars2	6.663129978	9.277166818	-2.614036841	7.58E-10
peak_15214	chr18	12461550	12461957	137933	Intergenic	NM_001075112	tmem5	3.965832482	6.579907906	-2.614075425	2.12E-06
peak_15219	chr5	61900224	61900702	-627630	Intergenic	NM_001030174	lig3	4.349853535	6.964061369	-2.614207833	2.13E-06
peak_31609	chr7	24680942	24681205	17981	intron (NM_001020521, intron 1 of 6)	NM_001020521	zgc:109889	1.426730103	4.041000616	-2.614270513	0.00309
peak_7305	chr16	49317445	49318076	-40839	Intergenic	NM_131186	nr2f5	7.18884245	9.804054901	-2.615212451	3.09E-10
peak_17460	chr22	24442675	24443023	88848	Intergenic	NM_001044943	crb1	3.030649868	5.646224155	-2.615574287	9.49E-06
peak_10112	chr6	36489761	36490880	-159035	Intergenic	NM_131079	her6	4.872629271	7.488218337	-2.615589066	1.76E-08
peak_9572	chr17	10935169	10935824	69087	intron (NM_001258228, intron 9 of 10)	NM_001258228	si:ch211-185a18.	6.06002242	8.675710222	-2.615687802	9.25E-09
peak_39480	chr13	28617380	28617657	-23390	Intergenic	NM_001162541	slc2a15a	-0.360322949	2.255832797	-2.616155747	0.016537
peak_13603	chr20	39694077	39694550	-16968	Intergenic	NM_001045231	hddc2	4.063971374	6.680138643	-2.616167269	6.05E-07
peak_20843	chr17	18055015	18055429	107098	Intergenic	NM_001099260	bcl11ba	3.383019995	5.999228694	-2.616208699	6.24E-05
peak_7872	chr5	54890351	54891473	-62444	Intergenic	NM_212961	cdk7	7.678280324	10.29461193	-2.616331602	7.73E-10
peak_10454	chr4	1562289	1563313	16902	intron (NM_001045098, intron 1 of 8)	NM_001045098	gas2l3	5.19786442	7.814263255	-2.616398835	2.59E-08
peak_16801	chr15	29943098	29943692	170631	intron (NM_201109, intron 7 of 14)	NM_201109	msi2b	4.432791331	7.049217567	-2.616426235	6.32E-06
peak_9930	chr7	70538274	70539721	-107902	Intergenic	NM_199682	ap1g1	6.239897799	8.856329426	-2.616431627	1.45E-08
peak_9703	chr3	63036969	63037983	18238	Intergenic	NM_001077319	proza	4.996540512	7.613136437	-2.616595925	1.08E-08
peak_9322	chr13	17137129	17137573	375984	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	5.585629356	8.202311811	-2.616682455	6.58E-09
peak_10499	chr20	45042649	45043181	339091	Intergenic	NM_001013534	zgc:103511	4.902426009	7.519155565	-2.616729556	2.72E-08
peak_13064	chr13	43502173	43502813	87318	intron (NM_214809, intron 5 of 68)	NM_214809	cdh23	4.931577743	7.548401288	-2.616823545	3.76E-07
peak_24880	chr20	27949471	27949763	-62369	Intergenic	NM_001044781	syndig1l	2.570823028	5.187730121	-2.616907093	0.000372
peak_15056	chr18	33060233	33060833	118787	Intergenic	NM_001045019	tiparp	4.965873524	7.582980638	-2.617107114	1.89E-06
peak_24180	chr1	40765417	40766051	109520	Intergenic	NM_200023	zgc:56493	2.702019304	5.319361475	-2.617342171	0.000279
peak_26047	chr5	12876553	12876933	20434	intron (NM_001128707, intron 3 of 16)	NM_001128707	nf2a	2.868163296	5.485615181	-2.617451885	0.000558
peak_11528	chr8	5149419	5150073	38700	Intergenic	NM_001102640	tmem230b	5.380880242	7.998490231	-2.61760999	8.43E-08
peak_36445	chr17	24132599	24132921	-14165	Intergenic	NM_131250	otx1b	2.363802745	4.981572306	-2.617769561	0.009432
peak_19342	chr15	19876076	19876591	1328	intron (NM_001008574, intron 1 of 11)	NM_001008574	usp2a	3.096540606	5.714332885	-2.617792278	2.84E-05
peak_16632	chr13	18618608	18618933	23955	intron (NM_001076573, intron 4 of 6)	NM_001076573	zgc:154058	2.728799148	5.346704941	-2.617905793	5.68E-06
peak_31663	chr1	52564609	52564916	58589	Intergenic	NM_001003739	rad23aa	1.467052111	4.085243195	-2.618191083	0.003138
peak_31223	chr16	6210333	6210810	20082	intron (NM_200320, intron 4 of 13)	NM_200320	cog6	4.365936857	6.984889679	-2.618952823	0.002782
peak_31762	chr5	21572769	21573465	43486	Intergenic	NM_001042730	trpv4	4.040113866	6.659161979	-2.619048114	0.003239
peak_14286	chr11	19846811	19847192	-7612	Intergenic	NM_183343	prickle2	2.883141315	5.502628851	-2.619487536	1.05E-06
peak_14356	chr22	11397038	11397561	142996	Intergenic	NM_205626	bcor	4.865859134	7.485411368	-2.619552234	1.11E-06
peak_14533	chr8	18681456	18681711	37285	Intergenic	NM_001134683	rps8b	3.159552967	5.779167278	-2.619614311	1.28E-06
peak_15305	chr24	30415668	30416213	137179	Intergenic	NM_001163988	prmt6	4.206821638	6.826524293	-2.619702655	2.29E-06
peak_10990	chr2	21569868	21571121	73959	Intergenic	NM_201454	rab2a	5.241043983	7.860855269	-2.619811286	4.86E-08
peak_16604	chr11	24873838	24874144	18131	intron (NM_131446, intron 1 of 18)	NM_131446	cntn2	3.280142431	5.900025067	-2.619882636	5.61E-06
peak_23588	chr7	63174811	63175221	283783	Intergenic	NM_200491	tbc1d19	2.825197218	5.445338911	-2.620141692	0.000214
peak_24366	chr16	18655337	18656157	77296	Intergenic	NM_001003589	ccdc12	4.119490251	6.739798245	-2.620307994	0.000301
peak_34800	chr22	19318703	19318992	-18228	Intergenic	NM_001040095	fgf22	2.329220506	4.949535768	-2.620315262	0.006553

peak_11694	chr18	19453208	19453913	24628	intron (NM_001045051, intron 3 of 3)	NM_001045051	LOC564395	4.725478726	7.346041635	-2.620562909	9.75E-08
peak_18459	chr15	2324917	2325787	-85691	intron (NM_131769, intron 2 of 7)	NM_001105110	hephl1	4.095254858	6.715827703	-2.620572845	1.75E-05
peak_27798	chr18	22454766	22455025	60779	intron (NM_001135133, intron 3 of 6)	NM_201117	cpsf5	2.614767619	5.23538149	-2.620613871	0.00103
peak_20781	chr7	62815361	62816192	-75457	intron (NM_001083551, intron 2 of 10)	NM_200491	tbc1d19	4.880904501	7.501771789	-2.620867288	6.06E-05
peak_24945	chr10	18423179	18423442	456528	Intergenic	NM_001002632	prkab1a	1.984009138	4.604882027	-2.620872889	0.00038
peak_7715	chr12	38583178	38583853	73688	Intergenic	NM_001080568	hs3st3b1b	5.959840094	8.581224164	-2.62138407	6.15E-10
peak_7368	chr7	43706559	43707322	16143	Intergenic	NM_131044	eng2a	6.690270936	9.311830013	-2.621559077	3.43E-10
peak_36123	chr20	38334915	38335357	-12017	Intergenic	NM_001030171	si:dkeyp-59a8.4	0.95594936	3.577526141	-2.62157678	0.008779
peak_11421	chr13	26602163	26603030	-325242	Intergenic	NM_212982	fancl	5.640558768	8.262168641	-2.621609873	7.57E-08
peak_35502	chr18	33079445	33079891	137922	Intergenic	NM_001045019	tiparp	2.745287581	5.367170153	-2.621882572	0.007672
peak_35637	chr5	27030958	27031315	-9440	Intergenic	NM_001082856	rorb	2.636144784	5.258208384	-2.6220636	0.007899
peak_8117	chr10	3794366	3795217	-259287	Intergenic	NM_200920	pitpnb	6.282121372	8.904240857	-2.622119485	1.18E-09
peak_12707	chr13	33991464	33992114	59846	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	5.385621201	8.008094846	-2.622473644	2.67E-07
peak_9566	chr7	9601654	9602306	-83268	intron (NM_001020496, intron 1 of 4)	NM_001024426	tex261	6.003088448	8.625595972	-2.622507524	9.17E-09
peak_7891	chr7	76641705	76642838	-29858	Intergenic	NM_001076619	btr12	7.128224466	9.750804178	-2.622579712	7.99E-10
peak_9731	chr19	49711533	49712613	30804	intron (NM_001040330, intron 2 of 8)	NM_001001889	ctnnb2	6.470089187	9.09273519	-2.622646003	1.14E-08
peak_37018	chr20	27500130	27500530	64845	Intergenic	NR_030115		-0.360322949	2.262526856	-2.622849805	0.010601
peak_10924	chr8	41546539	41547018	-12771	Intergenic	NM_001013516	msi1	4.066598018	6.689504015	-2.622905996	4.51E-08
peak_20880	chr1	35954498	35954997	51903	Intergenic	NM_001002077	lsm6	3.385125888	6.008145526	-2.623019637	6.33E-05
peak_17619	chr11	29131770	29132434	37121	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	4.793043643	7.416105746	-2.623062104	1.07E-05
peak_11007	chr20	16551120	16551754	-11982	Intergenic	NM_001122745	ches1	5.791433536	8.414671748	-2.623238212	4.96E-08
peak_23259	chr17	19701227	19701662	29566	Intergenic	NR_030652		2.521897487	5.145246226	-2.623348739	0.000187
peak_31034	chr10	10299261	10299679	-4020	Intergenic	NR_029938		3.898051465	6.521458443	-2.623406979	0.002646
peak_10054	chr10	5200449	5200867	-37088	intron (NM_001159835, intron 2 of 5)	NM_001020471	sptlc1	4.657260644	7.280726203	-2.623465559	1.65E-08
peak_16016	chr20	45216540	45217108	513000	Intergenic	NM_001013534	zgc:103511	3.022555809	5.646058294	-2.623502485	3.81E-06
peak_20144	chr2	7024831	7025295	-30836	Intergenic	NM_001100072	LOC100001550	3.376683808	6.000205087	-2.623521279	4.46E-05
peak_31557	chr19	49363140	49363527	-61	promoter-TSS (NM_131450)	NM_131450	rrm2	0.625495796	3.2490667	-2.623570904	0.003045
peak_15429	chr24	25062298	25063271	-796	promoter-TSS (NR_030061)	NR_030061		5.135950291	7.75960646	-2.623656168	2.48E-06
peak_8655	chr9	51424742	51425347	-259552	Intergenic	NM_001017644	slc38a11	7.613243187	10.23690778	-2.623664596	2.51E-09
peak_39367	chr3	26400001	26400503	-92765	Intergenic	NM_001172397	xylt1	-0.360322949	2.263579473	-2.623902422	0.016245
peak_19715	chr20	23815017	23815333	9557	exon (NM_001045487, exon 11 of 12)	NM_001083824	si:dkey-15j16.3	2.941712126	5.565629475	-2.62391735	3.50E-05
peak_31754	chr6	50577599	50577922	58711	intron (NM_001123252, intron 3 of 14)	NM_001123252	si:dkey-46l15.1	3.47113868	6.095075528	-2.623936848	0.003233
peak_30041	chr6	47373038	47373355	-35720	Intergenic	NR_030036		2.529533336	5.153676736	-2.6241434	0.002047
peak_21039	chr3	37573522	37574544	4366	intron (NM_001137660, intron 3 of 3)	NM_001137660	wnt9b	4.950229827	7.574647772	-2.624417945	6.85E-05
peak_29504	chr17	30208528	30208807	-55701	Intergenic	NM_001142264	spata17	1.938847741	4.563413209	-2.624565468	0.001761
peak_22916	chr8	55472648	55473223	-14375	Intergenic	NM_001004681	selk	3.818979367	6.443685489	-2.624706122	0.000163
peak_38000	chr2	14579766	14580386	22594	intron (NM_001083863, intron 2 of 2)	NM_001083863	LOC795615	-0.360322949	2.264418289	-2.624741238	0.012756
peak_28372	chr17	13455090	13455523	492418	Intergenic	NM_001172570	pnn	1.984009138	4.608862089	-2.624852951	0.001236
peak_12029	chr14	15359201	15360046	36138	intron (NM_200376, intron 2 of 6)	NM_200376	fgfrl1a	4.797747928	7.422682419	-2.624934491	1.38E-07
peak_11143	chr22	39366492	39367081	47699	Intergenic	NM_001017600	polr2h	5.078397056	7.703425065	-2.625028009	5.74E-08
peak_14971	chr14	28024575	28025026	213707	Intergenic	NM_001110457	klhl4	3.592962636	6.218029582	-2.625066946	1.76E-06
peak_26587	chr25	35371437	35371788	-20568	Intergenic	NM_001110479	trpm1b	2.912638768	5.538270347	-2.625631579	0.000671
peak_25144	chr19	5982289	5982882	48	promoter-TSS (NM_001082882)	NM_001082882	cyt1l	3.763304282	6.389491415	-2.626187133	0.000408
peak_15871	chr25	6003234	6003676	49992	Intergenic	NM_001128075	appl2	2.64320069	5.269561805	-2.626361115	3.44E-06
peak_14162	chr2	2424003	2424467	39106	Intergenic	NM_200751	rpe65a	2.961605146	5.588004311	-2.626399165	9.57E-07
peak_14825	chr12	29342783	29343247	235757	Intergenic	NM_131425	etv4	3.815860363	6.442304518	-2.626444155	1.60E-06
peak_22053	chr4	4421581	4421913	-13847	Intergenic	NM_001130792	zgc:194209	3.114421786	5.741019954	-2.626598167	0.000111
peak_12807	chr16	12654547	12655451	110084	Intergenic	NM_131602	dedd1	5.352577963	7.97922636	-2.626648397	2.92E-07
peak_41735	chr8	7169380	7169696	22949	intron (NM_001130781, intron 7 of 7)	NM_001130781	vsig8b	-0.360322949	2.266771225	-2.627094174	0.023752
peak_41427	chr5	40132719	40133054	-25448	Intergenic	NM_131838	atp1b2b	0.215200887	2.842334288	-2.627133401	0.022694
peak_13666	chr7	49958941	49959432	41959	Intergenic	NM_001004576	lingo1b	4.736242271	7.363377364	-2.627135093	6.38E-07
peak_25852	chr9	12188040	12188546	122125	intron (NM_001122701, intron 2 of 3)	NM_001122701	znf804a	3.09910867	5.726971005	-2.627862335	0.000522
peak_17320	chr25	12787245	12787806	-58129	Intergenic	NM_001122750	smpd3	3.945998068	6.574003945	-2.628005877	8.63E-06
peak_21610	chr6	9552027	9552328	20726	Intergenic	NM_001077369	ccdc151	3.052014612	5.680087534	-2.628072922	9.05E-05
peak_14987	chr5	51514124	51515334	-12844	Intergenic	NM_131180	nr2f1a	5.459635372	8.087878318	-2.628242946	1.77E-06
peak_16029	chr1	5830159	5830462	135357	Intergenic	NM_001143751	erbb4a	3.627276095	6.255646381	-2.628370286	3.85E-06
peak_14887	chr11	42168647	42169195	35496	Intergenic	NM_001007408	ccdc114	5.002765615	7.63119028	-2.628424665	1.67E-06
peak_20540	chr12	47626838	47627179	13667	intron (NM_001002739, intron 7 of 18)	NM_001002739	hid1b	3.828296123	6.456848678	-2.628552555	5.40E-05
peak_10373	chr20	42228287	42229085	44474	Intergenic	NM_001002356	nus1	5.423600265	8.052179878	-2.628579613	2.36E-08
peak_9409	chr6	26414554	26415615	-146973	Intergenic	NM_001037680	sox14	6.927078562	9.55572153	-2.628642969	7.44E-09
peak_37712	chr6	11654506	11654970	-16992	intron (NM_001099261, intron 1 of 2)	NM_001100143	zgc:165651	-0.360322949	2.268380814	-2.628703763	0.012068
peak_24743	chr7	57604429	57604736	-131276	Intergenic	NM_212585	ist1	3.142225818	5.771144352	-2.628918534	0.000351
peak_13178	chr7	43057037	43058049	-556096	Intergenic	NM_131063	shha	5.768533289	8.397471867	-2.628938578	4.16E-07
peak_13513	chr4	23619576	23620376	531667	Intergenic	NM_131211	gata3	4.7624945	7.391717755	-2.629223255	5.60E-07
peak_9300	chr22	33028395	33029422	7770	intron (NM_131237, intron 2 of 5)	NR_111928		6.994482965	9.623800752	-2.629317788	6.39E-09
peak_15284	chr9	21273568	21274288	132263	intron (NM_001159666, intron 2 of 8)	NM_001159666	igsf3	4.200856343	6.830952259	-2.630095917	2.24E-06
peak_24936	chr3	37231697	37231961	-88466	Intergenic	NM_001024223	mlx	2.555944961	5.186169446	-2.630224485	0.000379
peak_9467	chr22	21944588	21946212	5120	intron (NM_001130604, intron 1 of 19)	NM_001130604	tle2	7.484539092	10.1151529	-2.630613811	8.02E-09
peak_29461	chr1	28782951	28783323	-20152	Intergenic	NM_001001820	zic2b	3.620037365	6.250797455	-2.63076009	0.001737
peak_7363	chr15	8590902	8592849	122615	Intergenic	NM_001128700	tmem160	7.918904228	10.55000261	-2.63109838	3.39E-10
peak_9966	chr12	38514323	38515019	4844	intron (NM_001080568, intron 1 of 1)	NM_001080568	hs3st3b1b	4.850655209	7.481911778	-2.63125657	1.50E-08
peak_32515	chr1	51422374	51422892	-7955	Intergenic	NM_131215	otx1a	3.700328943	6.331778307	-2.631449363	0.003907
peak_7658	chr25	2724488	2725213	-61949	Intergenic	NM_001079965	adpgk	6.373723994	9.005410499	-2.631686505	5.64E-10
peak_18469	chr6	51653801	51654142	-10142	Intergenic	NM_001012499	zgc:113070	3.088808875	5.720509762	-2.631700887	1.76E-05
peak_19834	chr2	17476826	17477285	122726	intron (NM_001083576, intron 6 of 32)	NM_001083576	ptprfb	3.630830115	6.26273023	-2.631900114	3.74E-05
peak_14670	chr24	36559401	36560026	-118708	Intergenic	NM_001030067	pcmtd1	4.528525488	7.160690103	-2.632164615	1.42E-06
peak_28839	chr9	25081697	25082061	-2247	Intergenic	NM_001144814	cxcr7b	2.818979367	5.451266967	-2.6322876	0.001433
peak_17214	chr11	36652157	36652982	-48523	Intergenic	NM_212679	bhlhe40	5.312070108	7.944402905	-2.632332797	8.08E-06
peak_28096	chr12	38240559	38240959	-60815	Intergenic	NM_001003874_1	chmp6b	3.365936857	5.998717238	-2.632780382	0.001138
peak_26741	chr2	23167242	23168160	13855	intron (NM_001080670, intron 1 of 6)	NM_001080670	hs2st1a	3.212831541	5.845853911	-2.63302237	0.000712
peak_35553	chr12	19110920	19111314	-186716	Intergenic	NM_001171584	nptx2b	2.614767619	5.247821196	-2.633053577	0.007763
peak_8376	chr13	46518224	46519051	-15963	Intergenic	NM_199514	olig4	7.063633119	9.696929475	-2.633296356	1.77E-09
peak_14772	chr7	13145407	13145934	-44328	Intergenic	NM_001037578	fam154b	5.407632637	8.041471181	-2.633838543	1.54E-06
peak_8994	chr1	30984745	30985743	2817	TTS (NM_001163312)	NM_001163312	lbx1b	5.97464064	8.608651702	-2.634011062	4.19E-09
peak_13379	chr23	13377031	13377846	-338770	Intergenic	NR_030650		5.059363209	7.693439868	-2.634076659	5.04E-07
peak_16975	chr4	17783521	17783869	26479	Intergenic	NM_001130612	atxn10	3.350931353	5.985165161	-2.634233808	6.93E-06
peak_13842	chr19	26386798	26387464	-69534	Intergenic	NM_001202459	jarid2b	4.840670369	7.474920347	-2.634249978	7.36E-07
peak_8903	chr7	41847005	41848094	-30634	intron (NM_001128667, intron 12 of 22)	NR_030097		6.254674862	8.889248363	-2.634573501	3.65E-09
peak_18816	chr5	68163543	68163880	-74947	Intergenic	NM_131153	rxrab	2.621928594	5.256700031	-2.634771437	2.15E-05
peak_9207	chr2	22822007	22822624	13217	Intergenic	NM_131213	rnf2	4.746154871	7.381044924	-2.634890054	5.59E-09
peak_30570	chr24	27526046	27526608	-97529	Intergenic	NM_001037676	tnikb	3.795328417	6.43047863	-2.635150212	0.002352
peak_10656	chr2	58833271	58834268	-16440	Intergenic	NM_001004628	pnp5b	6.243964697	8.879149696	-2.635184999	3.33E-08
peak_19380	chr22	15589665	15590071	-7023	Intergenic	NM_001003530	rpp21	3.380911023	6.016261048	-2.635350025	2.89E-05
peak_40366	chr24	10641791	10642160	27575	intron (NM_207078, intron 1 of 10)	NM_207078	fam49bb	2.702019304	5.33751361	-2.635494306	0.019123
peak_12660	chr19	34717536	34718334	17010	Intergenic	NM_001083083	nkd3l	5.348235297	7.983899799	-2.635664501	2.52E-07
peak_25761	chr16	26316108	26316496	58507	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	2.31603542	4.951864052	-2.635828632	0.000507
peak_18588	chr12	33023437	33023856	85989	intron (NM_001034980, intron 4 of 7)	NM_001034980	vti1a	2.967238845	5.603159196	-2.63592035	1.87E-05
peak_11308	chr16	17453777	17454454	-61583	Intergenic	NM_001020534	mrpl13	4.950940826	7.587161002	-2.636220175	6.73E-08
peak_7358	chr3	54321702	54323200	37610	Intergenic	NM_200707	rdh8a	7.736054084	10.37228481	-2.63623073	3.37E-10
peak_12213	chr9	54397625	54398254	-182945	Intergenic	NM_001017360	xrcc5	6.265625241	8.901857738	-2.636232497	1.65E-07
peak_14449	chr16	35086945	35087401	36115	Intergenic	NM_001114427	zgc:172323	4.350931353	6.987331156	-2.636399804	1.21E-06
peak_10201	chr7	51048450	51049188	59371	Intergenic	NM_001020629	hrasb	6.43460136	9.071055532	-2.636454171	1.95E-08
peak_9432	chr17	2266497	2267919	81061	Intergenic	NM_001114932	wapalb	6.758821157	9.395342739	-2.636521582	7.68E-09
peak_17906	chr6	52106735	52107434	-56309	Intergenic	NM_001082798	ywhaba	4.377741773	7.014572955	-2.636831182	1.29E-05
peak_18430	chr9	16952287	16952737	-202475	Intergenic	NM_001113633	si:dkey-103d23.5	3.809602052	6.446469845	-2.636867793	1.72E-05

peak_21204	chr18	48504551	48505037	-322756	Intergenic	NM_001045317	mob2b	3.585656064	6.222676559	-2.637020495	7.42E-05
peak_27722	chr10	32239441	32239847	4677	intron (NM_200398, intron 3 of 3)	NM_200398	tmem218	3.139733435	5.77700127	-2.637267835	0.001001
peak_12493	chr9	6855021	6855682	113710	Intergenic	NM_001013320	tmem182	5.617404898	8.254777064	-2.637372166	2.17E-07
peak_30110	chr3	17572006	17572397	29930	Intergenic	NM_001003433	nkiras2	2.521897487	5.159464028	-2.637566541	0.002087
peak_9993	chr6	57896292	57897006	158625	intron (NM_212908, intron 2 of 6)	NM_212908	tox2	6.571801766	9.209422525	-2.63762076	1.55E-08
peak_12946	chr16	48420443	48420905	18978	Intergenic	NM_001114738	dnase2	4.395609492	7.033481872	-2.63787238	3.32E-07
peak_6980	chr2	26576849	26577968	39828	intron (NM_131022, intron 2 of 3)	NM_213112	rabggtb	7.531520171	10.16944622	-2.637926047	1.64E-10
peak_18905	chr6	10209900	10210264	6490	intron (NM_001044895, intron 5 of 25)	NM_001044895	scn1lab	2.540911861	5.178842689	-2.637930828	2.24E-05
peak_22782	chr21	27267928	27268249	-298806	intron (NM_001079970, intron 18 of 23)	NR_023323		2.521897487	5.159898534	-2.638001047	0.000153
peak_25383	chr20	40026014	40026497	-211510	Intergenic	NM_001082853	rnf217	3.531436	6.169776942	-2.638340942	0.000446
peak_22012	chr8	16053013	16053756	-230905	Intergenic	NM_001017814	spata6	4.244493998	6.88285952	-2.638365521	0.00011
peak_22543	chr1	30700854	30701178	33530	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	3.574626352	6.213205974	-2.638579623	0.000138
peak_8216	chr20	48889128	48890262	-31397	Intergenic	NR_030665		6.843578328	9.482548404	-2.638970076	1.37E-09
peak_18001	chr9	6824745	6825038	-122206	Intergenic	NM_131150	pou3f3a	3.09910867	5.738152214	-2.639043544	1.37E-05
peak_11496	chr7	17646100	17646613	156890	Intergenic	NM_131158	dbx1a	4.497658046	7.136731949	-2.639073903	8.19E-08
peak_25584	chr23	6273206	6273914	145113	Intergenic	NM_200558	mybpha	4.661559912	7.300651483	-2.639091571	0.000478
peak_7504	chr10	38467271	38468242	-10478	Intergenic	NM_001077461	cuedc1a	6.709354664	9.348697833	-2.639343169	4.37E-10
peak_30940	chr8	36791731	36792124	503739	Intergenic	NM_001007206	si:busm1-194e12	0.625495796	3.264864388	-2.639368592	0.002582
peak_8115	chr11	8640142	8640902	-7887	Intergenic	NM_001020583	tbl1xr1a	6.7360601	9.375591233	-2.639531133	1.18E-09
peak_9838	chr6	58581232	58581986	15898	Intergenic	NM_212863	sp7	4.863595343	7.503222125	-2.639626782	1.30E-08
peak_34531	chr20	10157889	10158088	2997	exon (NM_001002066, exon 3 of 8)	NM_001002066	zgc:86709	1.787481669	4.427137438	-2.639655769	0.006227
peak_40872	chr2	10054887	10055158	-16950	Intergenic	NM_200576	gadd45aa	0.653720264	3.293651329	-2.639931065	0.020791
peak_7653	chr1	50376064	50377052	49392	intron (NM_131426, intron 3 of 10)	NM_001003515	hadh	7.197582362	9.837637938	-2.640055576	5.59E-10
peak_9921	chr5	70971966	70972892	-3358	Intergenic	NM_001003866	gtf3aa	5.079047629	7.719153288	-2.640105659	1.44E-08
peak_10448	chr9	35260668	35261538	10874	intron (NM_001030192, intron 3 of 8)	NM_001030192	ildr2	5.76734639	8.40809006	-2.64074367	2.57E-08
peak_15265	chr8	8499010	8499419	-91705	Intergenic	NM_001111186	abcd1	3.915640605	6.556430318	-2.640789713	2.21E-06
peak_26140	chr5	58081679	58082150	-158876	Intergenic	NM_001102384	tbx2a	3.231678245	5.872541542	-2.640863296	0.000578
peak_28627	chr22	32900851	32901217	-119215	intron (NM_199663, intron 5 of 17)	NM_131237	mxi1	1.459077363	4.100016432	-2.640939069	0.001344
peak_18357	chr9	48729122	48729814	152450	Intergenic	NM_001003480	zgc:92380	3.740360808	6.381763881	-2.641403073	1.66E-05
peak_39588	chr23	7544395	7544759	-77896	Intergenic	NM_200510	tm9sf4	2.075829856	4.71743471	-2.641604854	0.016849
peak_11119	chr15	37719251	37720034	214724	intron (NM_131481, intron 8 of 28)	NM_131481	robo1	5.030649868	7.672691456	-2.642041588	5.58E-08
peak_25900	chr11	9498923	9499247	538829	Intergenic	NM_001142265	nlgn1	3.250281917	5.89240158	-2.642119662	0.000532
peak_27790	chr7	42789509	42789943	-535009	Intergenic	NM_199843	shcbp1	3.19853316	5.840798504	-2.642265344	0.001027
peak_13252	chr7	32162054	32162681	46074	Intergenic	NM_001020766	mcee	5.10746065	7.749927497	-2.642466847	4.41E-07
peak_9978	chr13	9876306	9877696	-50422	Intergenic	NM_131362	six3a	6.31431431	8.956922438	-2.642608129	1.52E-08
peak_38951	chr24	13016922	13017231	95284	intron (NM_200925, intron 9 of 14)	NM_200925	stau2	1.831388386	4.474147651	-2.642759265	0.01514
peak_13927	chr13	1531489	1532111	-192143	Intergenic	NM_001110400_1	hmgcll1	5.034009036	7.676776815	-2.642767779	7.87E-07
peak_15084	chr18	27897537	27898038	22040	intron (NM_001080159, intron 1 of 14)	NM_001080159	hipk3b	3.50251599	6.145468968	-2.642952978	1.93E-06
peak_39020	chr11	11039226	11039649	-124575	Intergenic	NM_001083573	psmd14	2.324838852	4.967949057	-2.643110204	0.015317
peak_15279	chr7	16722092	16722525	76868	intron (NM_001017638, intron 9 of 9)	NM_001017638	elp4	4.070529039	6.713795759	-2.64326672	2.23E-06
peak_38846	chr15	27504489	27504879	-7486	Intergenic	NM_212573	foxn1	-0.360322949	2.283047272	-2.643370221	0.014865
peak_14382	chr20	22052421	22052839	-70427	Intergenic	NM_001030136	daam1b	3.921456318	6.564873305	-2.643416986	1.14E-06
peak_38270	chr12	28715802	28716034	3747	Intergenic	NM_131142	hoxb1b	1.66069094	4.304120697	-2.643429756	0.013426
peak_10032	chr5	65477094	65477767	77575	Intergenic	NM_001110103	aspa	5.390901295	8.034428165	-2.64352687	1.62E-08
peak_12856	chr16	34647077	34647871	-29168	Intergenic	NM_001130601	mms22l	4.979178573	7.622733001	-2.643554428	3.03E-07
peak_13643	chr16	39345012	39345790	-29134	Intergenic	NM_001017683	rab42b	4.842248838	7.485845952	-2.643597114	6.27E-07
peak_7303	chr10	32255695	32257135	21448	Intergenic	NM_200398	tmem218	6.460105758	9.103703306	-2.643597548	3.08E-10
peak_17792	chr17	49213969	49214484	110370	Intergenic	NM_001256221	LOC553223	3.975648359	6.619499227	-2.643850868	1.20E-05
peak_13067	chr21	10687809	10688824	2435	intron (NM_001002562, intron 1 of 12)	NM_001002562	celf4	4.826017789	7.469967479	-2.64394969	3.77E-07
peak_12685	chr16	55051562	55052343	-17879	Intergenic	NM_001082926	si:ch211-107n13.	4.158322191	6.80228223	-2.643960039	2.59E-07
peak_9946	chr13	13135166	13135883	20103	intron (NM_131606, intron 2 of 15)	NM_131606	fgfr3	4.979178573	7.6232649	-2.644086327	1.47E-08
peak_14330	chr13	38719814	38720294	96595	Intergenic	NR_120381		4.632603848	7.276756321	-2.644152473	1.08E-06
peak_8836	chr13	46973168	46973786	67140	intron (NM_178303, intron 6 of 17)	NM_001243004	fgfr2	5.953447267	8.597692014	-2.644244747	3.36E-09
peak_30115	chr1	46181439	46181824	39251	Intergenic	NM_213380_1	mcoln1a	3.365936857	6.010548901	-2.644612044	0.00209
peak_9309	chr11	43093434	43094407	4015	Intergenic	NM_182875	her15.1	6.694535009	9.339213901	-2.644678892	6.48E-09
peak_12068	chr6	51312667	51313420	211751	Intergenic	NM_001130610	rbl1	4.972891474	7.617589844	-2.64469837	1.43E-07
peak_9216	chr12	26476561	26477671	16716	Intergenic	NM_214736	calm2b	6.79757336	9.442284889	-2.644711528	5.68E-09
peak_11727	chr19	19894820	19895771	89217	intron (NM_001020756, intron 15 of 27)	NM_001020756	ints8	4.750245246	7.395019392	-2.644774147	1.01E-07
peak_15569	chr16	41719313	41720087	78452	Intergenic	NM_001159994	gdf6a	5.411770264	8.056605282	-2.644835018	2.74E-06
peak_12200	chr5	20405906	20406497	275030	Intergenic	NM_201009	aacs	4.574572524	7.219451797	-2.644879273	1.63E-07
peak_27169	chr10	4439731	4440017	-105897	Intergenic	NR_029954		2.521897487	5.166835888	-2.644938401	0.000824
peak_16649	chr3	17056697	17057069	-124336	Intergenic	NM_001077392	hcrt	3.154623552	5.799681878	-2.645058327	5.75E-06
peak_30016	chr2	17102016	17102327	99281	intron (NM_214785, intron 9 of 10)	NM_001281996	ptger4c	2.075829856	4.721006754	-2.645176898	0.002034
peak_21567	chr6	11827798	11828568	-89497	intron (NM_001099261, intron 2 of 2)	NM_001077769	wdsub1	3.863551286	6.509029481	-2.645478195	8.85E-05
peak_26077	chr12	18326323	18326568	57332	intron (NM_001002607, intron 4 of 6)	NM_001002607	rnls	2.33794409	4.983424627	-2.645480537	0.000566
peak_17688	chr6	3360808	3361371	20014	Intergenic	NM_001017625	dmbx1b	4.499603187	7.145379873	-2.645776686	1.11E-05
peak_36157	chr20	29512625	29513407	-3599	Intergenic	NM_001001409	actc1a	3.614767619	6.260780964	-2.646013345	0.008854
peak_18821	chr7	29393953	29394297	90438	Intergenic	NM_173219	lmo1	2.953113131	5.599245029	-2.646131897	2.15E-05
peak_19814	chr13	23667719	23668133	161421	Intergenic	NM_001077290	khdrbs2	3.17667448	5.823099343	-2.646424863	3.69E-05
peak_13404	chr24	3627992	3628527	71577	Intergenic	NM_001168264	wdr37	4.24687951	6.893495283	-2.646615773	5.12E-07
peak_21433	chr5	13634959	13635348	-82649	intron (NM_001144041, intron 5 of 19)	NM_001111087	zgc:171242	3.142225818	5.788879355	-2.646653538	8.26E-05
peak_18744	chr7	58124578	58124994	-26224	Intergenic	NM_001077165	senp8	3.434885166	6.081638479	-2.646753313	2.04E-05
peak_8796	chr1	5369496	5370128	-12220	Intergenic	NM_001020643	klf7a	5.284661742	7.931589492	-2.64692775	3.16E-09
peak_35486	chr3	49878950	49879298	-106878	Intergenic	NM_201307	ndel1b	2.947423891	5.594567981	-2.647144091	0.007628
peak_11486	chr14	36333417	36333994	-193683	Intergenic	NM_001003412	clint1a	4.453067239	7.100267537	-2.647200298	8.10E-08
peak_29506	chr5	35148937	35149358	9319	Intergenic	NM_001128279	ms4a17c.1	2.471023015	5.118232848	-2.647209832	0.001762
peak_27367	chr4	11890049	11890295	-30155	intron (NM_212680, intron 4 of 4)	NM_001159768	b2m	2.459077363	5.106293267	-2.647215904	0.000881
peak_8229	chr24	39475909	39476970	-17431	Intergenic	NM_001009983	metrn	7.576884148	10.22427956	-2.647395415	1.41E-09
peak_11569	chr5	19303228	19303613	-255567	Intergenic	NM_001100015	chfr	3.68663467	6.334152319	-2.647517648	8.79E-08
peak_20584	chr18	13467981	13468446	392658	Intergenic	NM_001089503	mlycd	3.671184896	6.318858977	-2.647674082	5.56E-05
peak_10588	chr5	21474108	21475602	-20484	Intergenic	NM_001126454	fam222a	7.392711189	10.04051454	-2.647803352	3.03E-08
peak_23714	chr5	17826538	17827230	93616	Intergenic	NM_001004541	zgc:92445	4.27099468	6.919055914	-2.648061234	0.000227
peak_22331	chr9	31801114	31801485	47943	intron (NM_001109865, intron 3 of 5)	NM_001109865	klf12b	3.18152925	5.829661179	-2.648131929	0.000127
peak_29411	chr13	10124334	10124585	-61994	Intergenic	NM_001145616	prepl	2.247969535	4.896331539	-2.648362004	0.00171
peak_15773	chr18	5055344	5055977	30780	Intergenic	NM_001171590	cplx3b	3.950271315	6.598759773	-2.648488458	3.22E-06
peak_12897	chr24	32121900	32122357	10460	Intergenic	NR_045229		4.067909549	6.716606575	-2.648697025	3.15E-07
peak_18547	chr6	19217564	19218017	5838	intron (NM_001017556, intron 2 of 8)	NM_001017556	rhbdl3	3.169361555	5.818066437	-2.648704882	1.83E-05
peak_8446	chr5	37908566	37909700	19718	intron (NM_131805, intron 1 of 4)	NM_131805	efnb1	7.546221671	10.19504139	-2.648819717	1.96E-09
peak_23477	chr13	16946534	16947024	375147	Intergenic	NM_001145600	kcnma1a	3.212831541	5.862095837	-2.649264296	0.000204
peak_33170	chr2	60061877	60062160	-119358	intron (NM_212882_1, intron 8 of 9)	NR_030000		1.787481669	4.437198954	-2.649717285	0.004573
peak_7031	chr16	49333368	49334858	-24486	Intergenic	NM_131186	nr2f5	7.776016317	10.42589395	-2.649877637	1.79E-10
peak_13754	chr13	19876134	19877109	51820	Intergenic	NM_001002536	fam204a	4.496684491	7.146721656	-2.650037165	6.84E-07
peak_13830	chr5	21194957	21196074	-12023	Intergenic	NM_131099	foxn4	6.655953098	9.306016968	-2.65006387	7.26E-07
peak_20932	chr15	26540904	26541517	-172076	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	3.941628654	6.591721603	-2.650092949	6.49E-05
peak_25480	chr18	4834441	4834950	-6308	Intergenic	NM_001007761	fgf7	2.31603542	4.966133175	-2.650097755	0.000461
peak_11267	chr6	49102051	49102518	-2590	Intergenic	NM_001018150	tspan2	4.691748046	7.341972043	-2.650223997	6.41E-08
peak_8862	chr6	16643137	16643692	-232137	Intergenic	NM_001129823	psmb3	5.271027898	7.921690626	-2.650662728	3.46E-09
peak_24285	chr6	5178135	5178663	746199	Intergenic	NM_201285	pou4f1	2.748562774	5.39964798	-2.651085206	0.000291
peak_16846	chr20	33807035	33807436	7376	intron (NM_001044844, intron 1 of 10)	NM_001044844	fam102bb	3.28916694	5.940729708	-2.651562767	6.47E-06
peak_7932	chr20	45599986	45600579	263333	Intergenic	NM_001080702	zgc:158643	6.042058735	8.693657542	-2.651598807	8.63E-10
peak_37312	chr22	10365332	10365763	22870	intron (NM_001044710, intron 1 of 1)	NM_001044710	si:dkeyp-87e7.4	2.570823028	5.223300079	-2.652477051	0.011244
peak_10566	chr24	4935272	4935734	-90099	Intergenic	NM_001110021	cpb1	4.803316476	7.455798861	-2.652482385	2.93E-08
peak_33683	chr16	56142796	56143122	25177	Intergenic	NM_152960	fabp10a	2.086222395	4.738990259	-2.652767864	0.005129
peak_23005	chr12	42887350	42888223	-241957	Intergenic	NM_212880	zgc:76887	4.81512512	7.467935829	-2.652810709	0.00017
peak_13086	chr22	27592256	27593205	-25133	Intergenic	NM_198068	cxcl12b	6.058335334	8.71114906	-2.652813727	3.84E-07

peak_12380	chr16	58016491	58017285	29016	intron (NM_200561_2, intron 5 of 10)	NM_200561_2	fzd6	5.736678709	8.389556556	-2.652877847	1.96E-07
peak_17232	chr19	42553670	42554049	-63010	Intergenic	NM_001013293	chrac1	3.5783123	6.231241554	-2.652929254	8.19E-06
peak_9496	chr10	29185811	29186290	-123400	Intergenic	NM_001007351	btg3	5.538994075	8.192130783	-2.653136708	8.34E-09
peak_30131	chr16	42414340	42414710	111112	intron (NM_001076716, intron 4 of 13)	NM_001076716	rbms3	2.862128275	5.515541455	-2.65341318	0.002103
peak_10849	chr14	32809410	32810090	76744	Intergenic	NM_001001950	zic3	5.378768137	8.032205684	-2.653437547	4.10E-08
peak_25425	chr1	35340595	35340861	21105	exon (NM_001137659, exon 6 of 24)	NM_001137659	frem3	2.935977657	5.589792055	-2.653814398	0.000453
peak_8257	chr23	23809548	23810161	29854	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	5.352577963	8.006531602	-2.653953639	1.48E-09
peak_18661	chr11	11062970	11063249	138520	Intergenic	NM_001007422	mvda	2.657209812	5.311261696	-2.654051883	1.95E-05
peak_8710	chr20	26549684	26550382	11424	intron (NM_001242996, intron 11 of 26)	NM_001242996	mthfd1l	6.061320733	8.715443188	-2.654122456	2.78E-09
peak_26871	chr14	41720622	41721017	-26185	Intergenic	NM_001127519	pcdh19	2.862128275	5.516431763	-2.654303488	0.000745
peak_42549	chr13	34079432	34080146	-28154	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	3.523698724	6.178132075	-2.654433351	0.02666
peak_10509	chr25	35681049	35682223	13912	intron (NM_001076772, intron 1 of 1)	NM_001076772	klf13	5.012334216	7.666922931	-2.654588715	2.74E-08
peak_21478	chr12	34234096	34234574	-121827	Intergenic	NM_130982	nog3	4.426730103	7.081560259	-2.654830156	8.45E-05
peak_17556	chr12	4039983	4040398	-125514	Intergenic	NM_001114916	coa3	3.355234589	6.010202101	-2.654967512	1.02E-05
peak_28731	chr11	3386302	3386608	19127	intron (NM_001083015_2, intron 5 of 20)	NM_001083015_2	acap3b	2.751830549	5.407008072	-2.655177522	0.001384
peak_18078	chr1	14869578	14869785	39183	intron (NM_001020560, intron 1 of 5)	NM_001020560_1	tusc3	2.540911861	5.196454049	-2.655542188	1.43E-05
peak_27524	chr6	3656879	3657311	14285	intron (NM_194419, intron 6 of 16)	NM_194419	gad1b	3.751830549	6.407525977	-2.655695427	0.000933
peak_42672	chr13	13218270	13218821	-62918	Intergenic	NM_131606	fgfr3	-0.360322949	2.295455034	-2.655777983	0.027178
peak_15401	chr16	10578074	10578671	-149678	Intergenic	NM_001034965	kiaa0947l	4.267574237	6.923439887	-2.65586565	2.41E-06
peak_22304	chr13	49476588	49476812	-74103	Intergenic	NM_182860	msh6	2.086222395	4.742405851	-2.656183456	0.000125
peak_34363	chr1	17525922	17526431	19638	intron (NM_212886, intron 12 of 12)	NM_212886	pgm2	1.205700064	3.861909949	-2.656209885	0.005994
peak_13102	chr12	44979178	44979644	-202723	Intergenic	NM_001110011_1	dock1	4.154623552	6.810933326	-2.656309774	3.90E-07
peak_16863	chr2	40824866	40825469	130425	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	3.500574775	6.156908229	-2.656333454	6.51E-06
peak_15199	chr1	24253805	24254264	-26353	Intergenic	NM_001014371	trim2a	3.2869161	5.943312475	-2.656396375	2.09E-06
peak_28255	chr3	20183322	20184258	-176163	Intergenic	NM_194417	sepw2a	4.936695714	7.593123684	-2.65642797	0.001191
peak_22893	chr23	43607919	43608183	-15039	Intergenic	NM_001004647	tgm2a	2.463070247	5.119697308	-2.656627061	0.000161
peak_34887	chr1	50269268	50269775	-52113	Intergenic	NM_131426	lef1	3.309268024	5.966084207	-2.656816182	0.006698
peak_40718	chr8	8744852	8745413	-149263	Intergenic	NM_001122628_1		3.19853316	5.855398567	-2.656865406	0.02029
peak_15460	chr15	330814	331415	-123477	Intergenic	NM_131034	gbas	3.646715745	6.303950213	-2.657234468	2.54E-06
peak_17081	chr14	11460851	11461349	-132958	Intergenic	NM_001020678	zgc:112315	3.935893853	6.593551138	-2.657657284	7.39E-06
peak_11131	chr5	37762782	37763485	165718	Intergenic	NM_131805	efnb1	4.527572549	7.185591174	-2.658018625	5.66E-08
peak_43777	chr8	16058893	16059283	-236609	Intergenic	NM_001017814	spata6	1.243333623	3.901391586	-2.658057963	0.032115
peak_8153	chr18	37017862	37018533	-174115	Intergenic	NM_200573	onecut1	6.047739207	8.705912998	-2.658173791	1.23E-09
peak_28953	chr12	46656635	46657021	-35393	Intergenic	NM_212942	fbxl15	3.137236739	5.795917667	-2.658680929	0.00149
peak_28822	chr19	42514341	42514817	-23730	Intergenic	NM_001013293	chrac1	3.742100794	6.400810581	-2.658709788	0.001429
peak_29286	chr7	7407935	7408406	-49761	Intergenic	NM_213311	pnp5a	0.978440673	3.637675932	-2.65923526	0.001657
peak_12484	chr19	37096601	37097412	47561	intron (NM_001082901, intron 1 of 2)	NM_001082901	col8a2	4.938805923	7.598052453	-2.659246531	2.16E-07
peak_14709	chr23	10165387	10166331	-87572	Intergenic	NM_001111167	zgc:171775	4.371320339	7.030628484	-2.659308145	1.47E-06
peak_21003	chr16	49311447	49311814	41434	Intergenic	NM_001003557	bola1	3.554074368	6.213752255	-2.659677888	6.72E-05
peak_6919	chr6	54194586	54195709	52346	intron (NM_001033728, intron 1 of 9)	NM_001033728	pacsin1b	7.29382276	9.953576873	-2.659754113	1.47E-10
peak_25830	chr9	19116640	19116950	236386	Intergenic	NM_212745	tsc22d1	2.834474036	5.494251795	-2.659777759	0.000518
peak_10917	chr6	787458	788289	169108	Intergenic	NM_001245966	zeb2b	6.452077763	9.112212429	-2.660134666	4.49E-08
peak_34016	chr7	48086673	48087006	303986	Intergenic	NM_001195407	tshz3b	1.66069094	4.32084475	-2.660153809	0.00554
peak_32759	chr14	37150098	37150616	28732	Intergenic	NM_205642	zgc:77938	3.97012931	6.630402607	-2.660273297	0.004135
peak_24214	chr16	8971556	8972322	48749	Intergenic	NM_001077532	cnot10	4.276743633	6.937056902	-2.660313269	0.000282
peak_21124	chr11	29067345	29067858	-27380	Intergenic	NM_001033094_1	ephb2b	3.708761012	6.369495553	-2.660734541	7.13E-05
peak_42806	chr6	23421962	23422241	53772	Intergenic	NM_001076748	rheb	-0.360322949	2.300427624	-2.660750573	0.027708
peak_8182	chr19	26391041	26391655	-65317	Intergenic	NM_001202459	jarid2b	5.560638036	8.22145123	-2.660813194	1.30E-09
peak_20336	chr7	22913189	22913926	-42427	Intergenic	NM_001077144	tmem88b	3.544684847	6.205623642	-2.660938795	4.93E-05
peak_13197	chr9	43139931	43140368	1069	intron (NM_001020731, intron 1 of 7)	NM_001020731	pcbp3	4.256113835	6.917211418	-2.661097584	4.22E-07
peak_17291	chr21	5689058	5689489	-49595	Intergenic	NM_173233	rpl35	4.115764558	6.777228007	-2.66146345	8.48E-06
peak_10299	chr1	28150903	28151433	8986	intron (NM_200315, intron 1 of 1)	NM_200315	zgc:56306	5.293690814	7.955602408	-2.661911594	2.19E-08
peak_17644	chr7	59165838	59166348	177803	Intergenic	NM_001006063	ank2b	3.909801353	6.571727398	-2.661926045	1.09E-05
peak_11406	chr6	22797951	22798782	18103	intron (NM_001007109, intron 2 of 37)	NM_001007109	speg	5.038698769	7.700724464	-2.662025695	7.47E-08
peak_14577	chr6	41596844	41597868	-130190	Intergenic	NM_001114419	hemk1	5.744105326	8.406276622	-2.662171296	1.32E-06
peak_23970	chr22	3620603	3620905	228153	Intergenic	NM_001013507	timm44	2.702019304	5.36423828	-2.662218975	0.000254
peak_14453	chr9	4799139	4799483	118200	Intergenic	NM_198356	prpf40a	3.583823625	6.246389464	-2.662565839	1.22E-06
peak_12855	chr4	4716276	4716982	39348	Intergenic	NM_001089551	slc13a4	4.023907976	6.686503847	-2.662595871	3.03E-07
peak_11954	chr2	7759407	7760136	41722	intron (NM_131097, intron 7 of 15)	NM_131097	ephb3a	5.015736251	7.678354683	-2.662618433	1.29E-07
peak_13228	chr25	17818809	17819241	56337	Intergenic	NM_213432	e2f4	4.25726398	6.919927676	-2.662663696	4.31E-07
peak_13454	chr3	6630938	6631476	-67213	Intergenic	NM_001089460	pkn1b	5.213424242	7.876303648	-2.662879406	5.34E-07
peak_14125	chr15	3156456	3156837	-101960	Intergenic	NM_001045369	zgc:153184	3.776199364	6.439309654	-2.663110291	9.34E-07
peak_14550	chr13	37608484	37609028	-61763	Intergenic	NM_001166338	gphb5	4.343369665	7.006489121	-2.663119457	1.29E-06
peak_10317	chr20	4316804	4317545	60180	Intergenic	NM_001076758	zgc:154018	6.059673623	8.722854242	-2.663180619	2.23E-08
peak_23966	chr5	36359937	36360282	-125586	Intergenic	NM_001114845	hexa	2.247969535	4.911225323	-2.663255787	0.000253
peak_11712	chr24	37973595	37974121	23919	intron (NM_001033748, intron 1 of 3)	NM_001033748	zgc:114120	4.544684847	7.208064289	-2.663379442	9.92E-08
peak_35105	chr22	40432606	40433010	-87032	Intergenic	NM_200761	dnajc19	2.708761012	5.37225978	-2.663498768	0.007046
peak_24609	chr9	12660049	12660635	40684	Intergenic	NM_001089454	zgc:162707	4.566190093	7.229749085	-2.663558993	0.00033
peak_21574	chr2	4113881	4114288	-5784	Intergenic	NM_001045381	pter	3.320443851	5.984196248	-2.663752397	8.89E-05
peak_9742	chr11	39065653	39066295	-19718	Intergenic	NM_001034175	etnk2	5.659872185	8.323918233	-2.664046048	1.15E-08
peak_22211	chr7	29061958	29062440	102201	Intergenic	NM_001017815	rras2	2.247969535	4.912264268	-2.664294733	0.00012
peak_8916	chr16	4609359	4610639	-32266	Intergenic	NM_001110349	vegfaa	5.631247876	8.295574324	-2.664326449	3.73E-09
peak_28972	chr19	43212651	43213053	-24625	Intergenic	NM_001044975	gatad2b	2.784293744	5.448745957	-2.664452213	0.001498
peak_32215	chr21	27089776	27090194	-120703	intron (NM_001079970, intron 19 of 23)	NR_023323		2.986785331	5.651290845	-2.664505514	0.003604
peak_32359	chr15	3769766	3770060	-20709	Intergenic	NM_001080055	lpar6a	2.664163689	5.329072307	-2.664908618	0.003747
peak_15377	chr19	37758113	37758595	410301	Intergenic	NM_131814	angpt2b	3.896489853	6.561431503	-2.66494165	2.37E-06
peak_11871	chr3	29193153	29193968	89166	Intergenic	NM_212894	lgals2a	6.475520499	9.140641273	-2.665120775	1.18E-07
peak_13288	chr21	18000635	18001116	114842	Intergenic	NM_001002475	nkx6.1	3.996540512	6.66175644	-2.665215928	4.58E-07
peak_7500	chr19	47498426	47499642	49810	intron (NM_001177934, intron 2 of 7)	NM_001177934	trps1	6.532358678	9.197659708	-2.66530103	4.34E-10
peak_8245	chr14	28838591	28839068	212992	Intergenic	NM_200569	tsc22d3	5.336312431	8.001915781	-2.66560335	1.45E-09
peak_10685	chr4	14422025	14423009	63327	intron (NM_001004495, intron 2 of 30)	NM_001004495	plxna4	5.235218809	7.900955214	-2.665736406	3.42E-08
peak_23988	chr16	198714	199295	-78406	Intergenic	NM_205698	irx4a	3.406017464	6.071795369	-2.665777906	0.000255
peak_24829	chr23	13739617	13739930	23565	Intergenic	NR_030650		2.944570835	5.610640545	-2.66606971	0.000363
peak_13955	chr17	33195280	33195868	-126566	Intergenic	NM_131405	prox1a	4.913453654	7.57972187	-2.666268216	8.09E-07
peak_14175	chr6	35574351	35575066	-25525	Intergenic	NM_001079976	dmrt2b	4.611121277	7.277501473	-2.666380196	9.70E-07
peak_14023	chr18	45235745	45236307	-63717	Intergenic	NM_001282486	dner	5.488382641	8.154853351	-2.66647071	8.59E-07
peak_8867	chr3	40422422	40423479	101614	Intergenic	NM_181601	actb2	6.976018071	9.642547719	-2.666529648	3.47E-09
peak_17894	chr19	28976619	28977265	-131244	Intergenic	NM_001082990	si:dkey-261i16.5	4.456133867	7.122757337	-2.66662347	1.28E-05
peak_13612	chr7	11344171	11344605	-38772	Intergenic	NM_131674	arnt2	3.344452335	6.011290017	-2.666837682	6.11E-07
peak_25820	chr25	24112685	24113047	136553	Intergenic	NM_001020596	phlda2	3.370319669	6.037223276	-2.666903606	0.000516
peak_32003	chr19	15212842	15213221	74414	Intergenic	NM_001044982	cited4a	0.234016866	2.90100219	-2.666985324	0.003432
peak_11287	chr22	37767703	37768231	8868	intron (NM_001034975, intron 1 of 10)	NM_001034975	slit1b	4.740408792	7.407521873	-2.66711308	6.55E-08
peak_19011	chr16	11610516	11610800	-36250	Intergenic	NM_001039990	id4	3.014416083	5.681897462	-2.667481378	2.39E-05
peak_10975	chr1	39042441	39042871	68648	intron (NM_214687, intron 1 of 6)	NM_214687	gpm6ab	4.808033224	7.475565375	-2.667532151	4.74E-08
peak_19094	chr20	33406835	33407275	73691	Intergenic	NM_212614	mycn	3.114421786	5.78196264	-2.667540853	2.50E-05
peak_9865	chr10	5195198	5195775	32609	intron (NM_001159835, intron 2 of 5)	NM_001159835	zgc:172116	5.674607394	8.342159906	-2.667552512	1.35E-08
peak_16756	chr5	74993352	74993723	78672	Intergenic	NM_131208	lhx3	4.078359093	6.745985116	-2.667626022	6.15E-06
peak_15130	chr22	40258702	40259175	76746	Intergenic	NM_213118	sox2	3.984090193	6.651833551	-2.667743358	1.99E-06
peak_11913	chr10	44801761	44802534	134670	Intergenic	NM_214688	vcanb	4.829888182	7.497880327	-2.667992144	1.24E-07
peak_22719	chr21	16825341	16825835	60988	Intergenic	NM_213099	wdr5	3.122017822	5.790133231	-2.668115409	0.000149
peak_19295	chr17	52842797	52843160	207301	Intergenic	NM_001128292	prox2	3.428773195	6.097070024	-2.668296829	2.77E-05
peak_20624	chr6	34697601	34698005	3078	exon (NM_212621, exon 3 of 10)	NM_212621	uap1	2.529533336	5.197898927	-2.668365592	5.66E-05
peak_11654	chr8	54381613	54382173	-12085	Intergenic	NM_001118893	vps13a	3.854460154	6.52290929	-2.668449137	9.49E-08
peak_35589	chr1	42621403	42621713	-40678	Intergenic	NM_001159372	ctnna2	1.787481669	4.456019126	-2.668537457	0.00783
peak_41848	chr12	45092122	45092408	-315577	Intergenic	NM_001110011_1	dock1	0.215200887	2.884054004	-2.668853117	0.024112

peak_12544	chr2	4237014	4237536	46942	intron (NM_194424, intron 1 of 25)	NM_194424	egfra	4.066598018	6.735555472	-2.668957453	2.27E-07
peak_35422	chr11	10251426	10251754	-213676	Intergenic	NM_001142265	nlgn1	2.247969535	4.917701394	-2.669731859	0.007534
peak_20129	chr6	18076182	18076525	77535	intron (NM_131029, intron 1 of 5)	NM_131029	ntn1a	2.653720264	5.323613009	-2.669892744	4.43E-05
peak_24961	chr7	69407823	69408175	-75429	Intergenic	NM_001002386	kars	2.342286181	5.012196573	-2.669910392	0.000381
peak_27030	chr13	5842886	5843337	-23163	Intergenic	NM_201488	ppm1g	2.122017822	4.792007847	-2.669990025	0.000784
peak_9002	chr5	47935390	47936200	30838	Intergenic	NM_001114689	si:ch211-130m23	6.472086278	9.142211535	-2.670125257	4.22E-09
peak_26886	chr1	32232492	32232882	152041	intron (NM_001166331, intron 4 of 4)	NM_001166331	nlgn4a	1.653720264	4.323870915	-2.67015065	0.000749
peak_16265	chr15	16605948	16606594	180254	Intergenic	NM_213076	rps6kb1b	4.065285294	6.735587544	-2.67030225	4.47E-06
peak_20775	chr19	49549378	49549832	4218	intron (NM_001252559, intron 1 of 17)	NM_001252559	ago4	3.996540512	6.667439908	-2.670899396	6.04E-05
peak_13451	chr7	35553077	35553504	14949	Intergenic	NM_001033722	zgc:136220	3.596602092	6.267553168	-2.670951076	5.32E-07
peak_21603	chr8	43576269	43576616	-23019	Intergenic	NM_200838	golga1	2.722150645	5.393177553	-2.671026908	9.02E-05
peak_8844	chr2	29603402	29603999	34486	Intergenic	NM_001005929	paxip1	5.750245246	8.421422539	-2.671177293	3.39E-09
peak_9737	chr18	9811270	9812460	-53075	Intergenic	NM_001100024	LOC566572	7.202235526	9.873458365	-2.671222839	1.15E-08
peak_13892	chr12	33040930	33041551	68395	intron (NM_001034980, intron 4 of 7)	NM_001034980	vti1a	4.559733273	7.231396344	-2.67166307	7.65E-07
peak_18875	chr12	49218242	49218494	170554	Intergenic	NM_001276496	polr3a	2.625495796	5.297178623	-2.671682828	2.21E-05
peak_11320	chr5	16762853	16763372	-144224	Intergenic	NM_183339	tbx1	4.478003463	7.150296702	-2.672293239	6.80E-08
peak_10193	chr20	30845526	30846308	80938	Intergenic	NM_200198	hebp2	7.081818765	9.754165748	-2.672346984	1.94E-08
peak_12383	chr8	16783172	16783932	-5089	Intergenic	NM_001007064	dmrta2	4.989596566	7.66224675	-2.672650184	1.97E-07
peak_10244	chr11	4323725	4324239	-86100	Intergenic	NM_001020570	zgc:110191	5.154587543	7.827302559	-2.672715016	2.04E-08
peak_40202	chr12	8192807	8195527	72657	Intergenic	NM_001003552	slc16a9b	-0.360322949	2.312465879	-2.672788828	0.018613
peak_10896	chr5	46498945	46499699	-37092	Intergenic	NM_199942	fbp1a	5.447031973	8.119917028	-2.672885055	4.42E-08
peak_12949	chr1	36242247	36242719	97432	Intergenic	NM_212807	pou4f2	4.670271331	7.343230799	-2.672959468	3.34E-07
peak_18735	chr18	16943270	16943804	114933	intron (NM_001039460, intron 4 of 8)	NM_001039460	zfpm1	4.244561664	6.917644043	-2.673082379	2.03E-05
peak_8829	chr12	2121166	2121849	35856	Intergenic	NM_131643	sox9a	5.36599906	8.03909189	-2.67309283	3.33E-09
peak_24471	chr7	25641187	25641809	-1414	Intergenic	NM_001083839	nat8l	4.616456624	7.289758961	-2.673302337	0.000312
peak_17760	chr13	50368265	50368856	54360	Intergenic	NM_199981	irf2bp2a	4.405040581	7.078358228	-2.673317647	1.18E-05
peak_20333	chr17	41660608	41661060	81176	Intergenic	NM_199658	insm1b	4.034679932	6.708055401	-2.673375469	4.92E-05
peak_27815	chr12	26091160	26091935	-153759	intron (NM_001080021, intron 17 of 21)	NM_001001812	fshr	3.428773195	6.102270755	-2.673497561	0.001036
peak_26511	chr7	25529581	25529920	1845	exon (NM_001002461, exon 2 of 5)	NM_001002461	txn	2.935977657	5.609655773	-2.673678115	0.000655
peak_16174	chr7	45648141	45648841	11404	intron (NM_001002492, intron 1 of 3)	NM_001002492	cmtm4	5.431832417	8.105674307	-2.67384189	4.21E-06
peak_7249	chr3	28750076	28750948	65898	Intergenic	NM_001201336	fbxl16	6.784036073	9.458107529	-2.674071456	2.79E-10
peak_8556	chr14	1956307	1957366	-142769	Intergenic	NM_001111171	etf1a	6.033002106	8.707934066	-2.67493196	2.24E-09
peak_26154	chr11	14595849	14596518	34025	Intergenic	NM_001122654	ptbp1b	3.747021639	6.422281326	-2.675259687	0.00058
peak_12455	chr1	47008755	47009232	-86984	Intergenic	NM_001007327	cab39l	3.596602092	6.271995593	-2.675393501	2.10E-07
peak_11678	chr13	1179024	1180532	237	exon (NM_001110393, exon 2 of 3)	NM_001110393	olig3	6.230507512	8.906287051	-2.675779539	9.64E-08
peak_10861	chr11	43132004	43134710	-29771	Intergenic	NM_001105592	her15.2	6.974270575	9.650233754	-2.675963178	4.19E-08
peak_41110	chr23	13355853	13356751	-331181	Intergenic	NM_001282089	ndnl2	-0.360322949	2.315762681	-2.67608563	0.021734
peak_41109	chr15	13999540	14000220	-3862	Intergenic	NM_001077578	pnkp	-0.360322949	2.315762681	-2.67608563	0.021734
peak_31309	chr16	33361006	33361823	-57128	Intergenic	NM_001002458	dgat1b	0.625495796	3.301708489	-2.676212694	0.002854
peak_6579	chr10	4132207	4133209	78630	Intergenic	NM_200920	pitpnb	7.413561705	10.08978927	-2.676227563	7.85E-11
peak_15617	chr10	45733757	45734218	15498	Intergenic	NM_001079664	rilpl1	3.44299439	6.119259991	-2.676265601	2.84E-06
peak_21540	chr18	36058540	36059003	-363269	Intergenic	NM_001139480	yap1	3.943142188	6.61949488	-2.676352692	8.71E-05
peak_19580	chr20	41160341	41160961	359655	Intergenic	NM_001100023	si:dkey-233p4.1	4.42775201	7.104480027	-2.676728017	3.24E-05
peak_38656	chr24	677205	677865	180274	intron (NM_001013328, intron 2 of 4)	NM_001083003	lancl2	2.702019304	5.379069352	-2.677050048	0.014333
peak_11381	chr7	44662801	44663513	-16641	Intergenic	NM_213493	dnaja2	4.47602896	7.153305914	-2.677276953	7.29E-08
peak_9163	chr6	44238740	44239587	94119	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	6.361979587	9.039611749	-2.677632163	5.22E-09
peak_11179	chr18	5191817	5192273	45559	Intergenic	NM_001013457	gcsha	4.71374782	7.391461746	-2.677713925	5.93E-08
peak_8915	chr18	23634771	23635574	23893	Intergenic	NM_131183	nr2f2	4.865859134	7.543774403	-2.677915269	3.72E-09
peak_20982	chr18	37263886	37264691	51915	intron (NM_001202420, intron 1 of 11)	NM_001202420	fam214a	3.389328476	6.067532167	-2.678203691	6.64E-05
peak_15756	chr18	39760251	39760563	-75805	exon (NM_212831, exon 9 of 14)	NM_001128730	si:ch211-203b8.6	2.548447992	5.227003869	-2.678555877	3.19E-06
peak_8886	chr25	2819650	2820325	-157086	Intergenic	NM_001079965	adpgk	5.280142431	7.958865867	-2.678723436	3.57E-09
peak_27853	chr10	43346717	43347045	-959	promoter-TSS (NM_001020642)	NM_001020642	rhof	2.639677051	5.318671445	-2.678994394	0.001049
peak_32022	chr6	41934358	41934848	41	promoter-TSS (NM_205738)	NM_205738	cav3	3.188780911	5.867966164	-2.679185253	0.003446
peak_14291	chr7	49769028	49769502	-7663	Intergenic	NM_001001842	crabp1b	3.632603848	6.312024714	-2.679420866	1.05E-06
peak_24660	chr15	32865207	32865792	-61908	Intergenic	NM_152974	mab21l1	3.073219981	5.752775509	-2.679555528	0.000339
peak_13627	chr17	7015734	7016216	144376	Intergenic	NM_001023572	zbtb24	4.852178391	7.531744449	-2.679566057	6.19E-07
peak_42416	chr25	18917505	18917723	5157	intron (NM_200118, intron 9 of 11)	NM_200118	poc1b	-0.360322949	2.319402054	-2.679725003	0.026104
peak_21076	chr1	10355806	10356215	64716	Intergenic	NM_001128774	knstrn	3.20331505	5.883220494	-2.679905444	6.96E-05
peak_8959	chr14	48043815	48044648	101064	Intergenic	NM_001080662	shisa3	6.602509895	9.282707228	-2.680197332	3.95E-09
peak_26506	chr1	16671755	16672126	29715	Intergenic	NM_001077602	cyp4v8	2.702019304	5.382849229	-2.680829925	0.000654
peak_8649	chr25	14722170	14723394	-28603	Intergenic	NM_001099422	exoc3l1	6.609970054	9.290999744	-2.681029691	2.50E-09
peak_17845	chr23	2657577	2657947	-82308	Intergenic	NM_001030232	zgc:114123	3.432850718	6.113906657	-2.681055939	1.24E-05
peak_8880	chr9	34968160	34969048	-75836	Intergenic	NR_039078		5.29649065	7.977727916	-2.681237265	3.52E-09
peak_10851	chr13	12569699	12570756	-175	promoter-TSS (NM_001145582)	NM_001145582	lingo2	5.421549829	8.103089744	-2.681539915	4.12E-08
peak_10382	chr15	31319373	31320469	161566	Intergenic	NM_001110394	brca2	5.918893628	8.600462903	-2.681569275	2.39E-08
peak_12915	chr7	23455436	23456051	-19879	Intergenic	NM_001017620_1	tmem256	4.349853535	7.031530926	-2.68167739	3.22E-07
peak_10344	chr9	47629288	47630678	-13452	Intergenic	NM_131069	cx43.4	7.049419357	9.731352545	-2.681933188	2.28E-08
peak_21985	chr23	7451490	7452046	-1597	Intergenic	NM_131235	gata5	2.618352549	5.300314997	-2.681962448	0.000108
peak_13998	chr1	41922359	41922902	-69577	Intergenic	NM_001080190	mogs	3.331406352	6.013484427	-2.682078075	8.41E-07
peak_20380	chr19	2994447	2994749	24245	Intergenic	NM_200124	sp4	2.346615242	5.02891581	-2.682300568	5.05E-05
peak_11389	chr10	13534224	13534815	-174036	intron (NM_001098242, intron 3 of 8)	NM_001099446	LOC556326	4.245721053	6.928055375	-2.682334322	7.38E-08
peak_11015	chr9	13499883	13500282	103265	Intergenic	NM_001128362	si:dkey-56k23.2	4.31265569	6.99525662	-2.68260093	5.01E-08
peak_11752	chr7	36218573	36219525	-30460	Intergenic	NM_199272	esrp2	4.879411363	7.562191183	-2.68277982	1.03E-07
peak_15032	chr24	39477094	39477961	-18519	Intergenic	NM_001009983	metrn	4.173022651	6.855926822	-2.68290417	1.86E-06
peak_10314	chr7	36122556	36123459	47802	Intergenic	NM_001113472	slc9a5	5.077095029	7.760019899	-2.68292487	2.22E-08
peak_11372	chr4	1414725	1415320	25684	intron (NM_001005944, intron 13 of 15)	NM_001005944	slc38a4	4.612020614	7.295021577	-2.683000962	7.19E-08
peak_13327	chr13	37604834	37605279	-65463	Intergenic	NM_001166338	gphb5	3.589313976	6.272359946	-2.683045971	4.76E-07
peak_10890	chr20	5879238	5880320	207950	intron (NM_001080047, intron 14 of 19)	NM_001089536	cep128	4.974990219	7.658068697	-2.683078478	4.38E-08
peak_16121	chr22	26366807	26367161	2025	intron (NM_001018131, intron 1 of 1)	NM_001018131	vasna	3.282403856	5.965835152	-2.683431296	4.05E-06
peak_15560	chr9	40060075	40060560	-2708	Intergenic	NM_200000	myl1	4.180387832	6.863908537	-2.683520705	2.73E-06
peak_10187	chr1	28792692	28793381	-10253	Intergenic	NM_001001820	zic2b	5.25783871	7.941387677	-2.683548968	1.92E-08
peak_6960	chr12	32760789	32762208	28790	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	7.855990399	10.53998336	-2.683992962	1.59E-10
peak_8824	chr13	25189050	25189567	122561	intron (NM_001272084, intron 7 of 10)	NM_001110395	zgc:172281	4.770571942	7.454760746	-2.684188804	3.31E-09
peak_38946	chr7	67163424	67163693	-124824	Intergenic	NM_001083583	ctr9	-0.360322949	2.323872829	-2.684195778	0.015122
peak_17850	chr6	4411594	4412065	-20371	Intergenic	NM_201285	pou4f1	4.678021793	7.36228634	-2.684264547	1.24E-05
peak_12088	chr6	25681972	25682535	5333	intron (NM_212689, intron 2 of 4)	NM_212689	lmo4b	4.158322191	6.842651311	-2.68432912	1.45E-07
peak_12719	chr11	39319992	39321115	20373	Intergenic	NR_034195		5.725918431	8.410445185	-2.684526754	2.70E-07
peak_15257	chr18	43548868	43549377	-65124	Intergenic	NM_001004538	gyltl1b	4.071837003	6.75660816	-2.684771157	2.19E-06
peak_7929	chr15	4148046	4148723	132397	Intergenic	NM_131670	atp1b3b	5.498144577	8.183066835	-2.684922258	8.59E-10
peak_8201	chr14	12020704	12022191	257419	Intergenic	NM_001105523	znf711	7.036867959	9.722019286	-2.685151327	1.35E-09
peak_11108	chr8	49791616	49792546	-388	promoter-TSS (NM_001144802)	NM_001144802	si:ch211-251b21.	4.637911999	7.32311141	-2.685199412	5.52E-08
peak_25343	chr23	21684135	21684563	-34540	Intergenic	NM_001039525	tas1r1	2.862128275	5.547413266	-2.68528499	0.000439
peak_11096	chr19	39166539	39166923	-2508	Intergenic	NM_001122760	thsd7a	4.200856343	6.886162882	-2.685306539	5.44E-08
peak_21794	chr12	2594348	2594645	192766	Intergenic	NM_131721	mapk8b	1.459077363	4.144529812	-2.685452449	9.88E-05
peak_12023	chr1	3288882	3289950	482547	Intergenic	NR_030045		6.566244234	9.251718215	-2.685473981	1.37E-07
peak_15750	chr18	7286376	7287118	183971	Intergenic	NM_001044963	rabl2	4.418468701	7.10407545	-2.685606749	3.17E-06
peak_26211	chr15	34991619	34992046	-209102	Intergenic	NM_001017614	rhbdd1	3.188780911	5.874505107	-2.685724196	0.000592
peak_14182	chr18	12005493	12006323	55377	intron (NM_001099985, intron 1 of 13)	NM_001099985	hipk2	4.280142431	6.966023309	-2.685880878	9.75E-07
peak_18951	chr8	36857569	36858020	517699	Intergenic	NM_200957	slc15a4	2.953113131	5.638995015	-2.685881884	2.30E-05
peak_7390	chr8	24156839	24157620	-51978	Intergenic	NM_001020476	dnmt3b	6.782028025	9.467915277	-2.685887251	3.55E-10
peak_8441	chr7	48142807	48143603	247620	Intergenic	NM_001195407	tshz3b	5.470585103	8.157219339	-2.686634235	1.95E-09
peak_24653	chr16	35787246	35787588	-119360	Intergenic	NM_131161	pou3f1	2.247969535	4.934612097	-2.686642562	0.000337
peak_7384	chr18	8650419	8651428	14542	intron (NM_131048, intron 1 of 17)	NM_131048	sema3d	6.536641608	9.223472145	-2.686830537	3.51E-10
peak_7779	chr19	22479924	22480684	-66800	Intergenic	NM_001045150	sall3b	6.514150846	9.201127735	-2.686976888	6.72E-10
peak_39658	chr17	20334175	20334591	3944	exon (NM_001076708, exon 2 of 6)	NM_001076708	neurl1ab	-0.360322949	2.326728642	-2.687051591	0.017009

peak_11756	chr21	22407800	22408255	177462	Intergenic	NM_199635	zbtb16a	4.215200887	6.902983574	-2.687782687	1.04E-07
peak_15839	chr1	25174492	25175632	105800	Intergenic	NM_205662	ppa2	5.399781695	8.087678825	-2.68789713	3.37E-06
peak_20682	chr13	43612315	43613118	197541	intron (NM_214809, intron 11 of 68)	NM_214809	cdh23	5.408607767	8.096573413	-2.687965646	5.82E-05
peak_11803	chr24	10035705	10036522	-67740	Intergenic	NM_213142	otulina	5.637028662	8.325138499	-2.688109837	1.09E-07
peak_37820	chr6	960939	961251	-4114	Intergenic	NM_001245966	zeb2b	2.363802745	5.052006109	-2.688203364	0.012329
peak_16723	chr18	16450142	16450586	3980	intron (NM_199848, intron 2 of 15)	NM_199848	ampd3b	4.209200867	6.89768237	-2.688481502	6.04E-06
peak_27099	chr9	29463599	29463967	-31404	Intergenic	NM_001044766	klf7b	2.784293744	5.472941596	-2.688647852	0.000804
peak_9936	chr10	39507663	39508107	-68975	Intergenic	NR_030051		4.663346902	7.352320456	-2.688973554	1.46E-08
peak_11449	chr9	32274311	32275010	36696	intron (NM_001037416, intron 3 of 7)	NM_205727	zic5	5.894273656	8.583388572	-2.689114917	7.80E-08
peak_12116	chr10	16165760	16166128	-28163	Intergenic	NM_001007060	prrc1	3.342286181	6.031430552	-2.689144371	1.50E-07
peak_20093	chr14	14910438	14910930	-9885	Intergenic	NM_001014818	phox2bb	3.787388779	6.476630736	-2.689241957	4.35E-05
peak_11017	chr10	21088717	21089538	-301813	Intergenic	NM_200782	kcnip3b	4.6900456	7.379359657	-2.689314057	5.01E-08
peak_6680	chr5	30261877	30264774	53868	intron (NM_130907, intron 1 of 22)	NM_130907	tnc	7.741932191	10.43135714	-2.689424951	9.46E-11
peak_27071	chr25	30335213	30335547	17514	intron (NM_001160156, intron 1 of 4)	NM_001160156	nptna	3.188780911	5.878297647	-2.689516736	0.000794
peak_28989	chr25	15255438	15256151	54602	Intergenic	NM_131304	pax6a	3.742100794	6.431657375	-2.689556581	0.001506
peak_10602	chr11	29134308	29135727	40036	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	6.589085628	9.278650898	-2.68956527	3.08E-08
peak_7895	chr8	24325037	24325886	-49488	Intergenic	NM_001014824	sema3gb	6.534020391	9.223716012	-2.689695622	8.09E-10
peak_7082	chr25	10916223	10917472	20689	intron (NM_001177458, intron 5 of 20)	NM_001177458	lrp5	6.923450067	9.613201436	-2.689751369	2.03E-10
peak_13155	chr22	24389255	24389867	35560	intron (NM_001044943, intron 10 of 12)	NM_001044943	crb1	4.917096733	7.606906136	-2.689809403	4.09E-07
peak_19757	chr23	23074905	23075179	124355	Intergenic	NM_212722	eno1a	2.459077363	5.148906607	-2.689829244	3.57E-05
peak_19117	chr12	37120800	37121538	-71027	Intergenic	NM_213304	socs3b	5.40815049	8.098549172	-2.690398682	2.53E-05
peak_15021	chr7	24193689	24194231	44907	Intergenic	NM_001076719	ccnb3	3.715471362	6.406246419	-2.690775057	1.84E-06
peak_9247	chr11	27587417	27587919	45000	Intergenic	NM_214739	map1lc3a	5.370257652	8.061038357	-2.690780705	5.87E-09
peak_22174	chr22	32985494	32986135	-34435	Intergenic	NM_131237	mxi1	3.481017596	6.171853873	-2.690836277	0.000118
peak_8365	chr6	46952507	46953118	-74388	Intergenic	NM_001014317	igfn1.1	6.415896059	9.106740278	-2.69084422	1.73E-09
peak_32402	chr23	39968765	39969027	17217	intron (NM_001029963, intron 1 of 3)	NM_001029963	ppp1r14c	2.784293744	5.475184348	-2.690890604	0.003788
peak_35684	chr24	917597	918144	77213	Intergenic	NM_001013480	napgl	2.31603542	5.007242029	-2.691206609	0.007987
peak_13583	chr16	41360860	41361375	35849	intron (NM_213544, intron 6 of 10)	NM_213544	emc2	3.758438756	6.449724116	-2.69128536	5.92E-07
peak_31194	chr3	42932095	42932378	-27497	Intergenic	NM_131503	axin1	2.702019304	5.393435623	-2.691416319	0.002754
peak_24055	chr12	6097059	6097333	-19337	Intergenic	NM_131322	dlx3b	2.247969535	4.939401284	-2.691431749	0.000263
peak_11162	chr12	23680143	23680808	30596	intron (NM_001024454, intron 17 of 20)	NM_001024454	nsfb	5.318760132	8.010290077	-2.691529945	5.85E-08
peak_15894	chr5	2679204	2679728	-118996	Intergenic	NM_201167	hpda	4.050765939	6.742628569	-2.69186263	3.48E-06
peak_12791	chr12	28823054	28823669	9136	Intergenic	NM_199644	arl4d	4.553138161	7.245290494	-2.692152333	2.87E-07
peak_8263	chr11	43081306	43081825	-7290	Intergenic	NM_131089	her2	5.429253749	8.121416454	-2.692162705	1.50E-09
peak_11864	chr24	24225627	24226205	53416	Intergenic	NM_001075111	hnf4g	4.696892816	7.389246938	-2.692354122	1.17E-07
peak_10282	chr18	17676332	17677160	16691	intron (NM_001080164, intron 1 of 5)	NM_001080164	si:ch211-212o1.2	4.706187427	7.398607483	-2.692420056	2.16E-08
peak_29360	chr18	37105368	37105889	-86684	Intergenic	NM_200573	onecut1	3.934540472	6.626967927	-2.692427455	0.001688
peak_12450	chr21	19529358	19529914	-13279	Intergenic	NM_213226	zgc:85869	5.768533289	8.461066504	-2.692533215	2.10E-07
peak_7832	chr17	1368181	1368835	-593	promoter-TSS (NM_001012261_1)	NM_001012261_1	xgb	6.44095659	9.133544626	-2.692588036	7.32E-10
peak_15886	chr7	58283370	58283764	-68616	Intergenic	NM_201194	scamp2l	3.344452335	6.037052832	-2.692600497	3.47E-06
peak_17420	chr21	19399488	19400090	-143126	Intergenic	NM_213226	zgc:85869	3.755185932	6.447898681	-2.692712749	9.24E-06
peak_18479	chr13	33016340	33016620	-14541	intron (NM_001098618, intron 7 of 7)	NM_001004615	pqlc3	2.892054049	5.584903973	-2.692849924	1.76E-05
peak_26161	chr13	7282943	7283595	283461	Intergenic	NM_001281798	ninl	3.746926107	6.439837564	-2.692911457	0.000581
peak_12351	chr19	42547309	42548147	-56879	Intergenic	NM_001013293	chrac1	4.978481358	7.671600218	-2.693118861	1.90E-07
peak_23294	chr7	13078328	13078766	-111451	Intergenic	NM_001037578	fam154b	3.614662915	6.307799268	-2.693136353	0.00019
peak_15597	chr19	27746510	27747061	73210	Intergenic	NM_199927	gtf2h4	4.119564041	6.813016494	-2.693452453	2.78E-06
peak_12644	chr7	15246764	15247285	9976	Intergenic	NR_045222		4.799374038	7.492905765	-2.693531727	2.49E-07
peak_24612	chr7	16989202	16989727	-9246	Intergenic	NM_001127479	btr06	1.224639552	3.918217917	-2.693578365	0.000331
peak_17922	chr23	27889464	27889862	-1279	Intergenic	NM_178219	wnt10b	2.90091206	5.59453152	-2.693619461	1.30E-05
peak_21815	chr2	20843534	20843930	-16014	Intergenic	NM_212995	riok1	2.880158125	5.574075492	-2.693917367	9.97E-05
peak_16899	chr18	19911317	19912075	-95822	Intergenic	NM_131012	gro2	4.569951633	7.263920089	-2.693968456	6.67E-06
peak_26962	chr17	26519127	26519400	43399	intron (NM_001080603, intron 17 of 19)	NM_213351	calm1a	2.200926086	4.894918891	-2.693992805	0.000769
peak_26207	chr11	4488931	4489246	-251206	Intergenic	NM_001020570	zgc:110191	1.967238845	4.661399036	-2.69416019	0.000591
peak_13875	chr15	28995712	28996093	-60219	Intergenic	NM_001128669	samsn1a	3.096540606	5.790724794	-2.694184187	7.56E-07
peak_10649	chr14	41318258	41319086	375962	Intergenic	NM_001127519	pcdh19	4.881650491	7.575922222	-2.694271731	3.31E-08
peak_18329	chr12	17089908	17090370	-68418	Intergenic	NM_001012487	znf281b	3.893534166	6.587956192	-2.694422026	1.64E-05
peak_26947	chr5	17780223	17780576	-57721	Intergenic	NM_131874	xbp1	3.188780911	5.883342679	-2.694561768	0.000765
peak_16160	chr7	28400411	28400746	-15838	Intergenic	NM_001123009	sox6	3.486912637	6.181557835	-2.694645198	4.17E-06
peak_15497	chr20	20075350	20075980	-144572	intron (NM_001276280, intron 11 of 11)	NM_212570	ptk2bb	4.019847667	6.714530069	-2.694682402	2.61E-06
peak_9276	chr6	35835239	35835770	235271	Intergenic	NM_001079976	dmrt2b	4.369194182	7.063951641	-2.694757458	6.14E-09
peak_9469	chr1	33074914	33075619	8240	intron (NM_001256719, intron 3 of 6)	NM_001256719	dhrsx	5.066598018	7.761424675	-2.694826656	8.03E-09
peak_9488	chr17	46258559	46259250	283235	Intergenic	NR_029933		5.135913813	7.830779321	-2.694865507	8.25E-09
peak_14541	chr12	46689492	46690088	-68355	Intergenic	NM_212942	fbxl15	3.996540512	6.691919315	-2.695378803	1.29E-06
peak_33691	chr14	41514858	41515289	179561	Intergenic	NM_001127519	pcdh19	4.058626727	6.754017296	-2.695390569	0.005137
peak_16188	chr2	39042308	39043010	230019	intron (NM_001159839, intron 2 of 16)	NM_001159839	clstn2	4.253810789	6.949446075	-2.695635286	4.26E-06
peak_10020	chr2	11510778	11511333	-56847	Intergenic	NM_001020566	zgc:110130	5.445014594	8.140946297	-2.695931703	1.59E-08
peak_22507	chr6	58582189	58582439	16603	Intergenic	NM_212863	sp7	1.459077363	4.156640222	-2.697562859	0.000135
peak_6521	chr14	40935374	40936529	-408391	Intergenic	NM_131782	glra4a	8.065777706	10.76365343	-2.697875725	7.04E-11
peak_14903	chr14	50688783	50689193	-290064	Intergenic	NM_001002065_1	ppid	3.106785545	5.804741953	-2.697956408	1.68E-06
peak_25708	chr6	7688484	7688784	-2633	Intergenic	NM_001098177	myh9a	2.111880861	4.809906274	-2.698025413	0.000497
peak_11493	chr8	19092886	19093553	9103	intron (NM_214763, intron 1 of 5)	NM_214763	tmem47	5.229955966	7.929110768	-2.699154803	8.17E-08
peak_23676	chr5	17480241	17480538	-113139	Intergenic	NM_001100957	hspb8	2.342286181	5.041445466	-2.699159285	0.000223
peak_12241	chr20	40044348	40044985	-229921	Intergenic	NM_001082853	rnf217	5.218713183	7.917966293	-2.699253109	1.69E-07
peak_12030	chr10	24947580	24948101	94668	Intergenic	NM_001080183	zgc:158234	3.814298329	6.513593001	-2.699294673	1.38E-07
peak_16037	chr14	46313878	46314259	-454208	Intergenic	NM_200975	gar1	3.457076769	6.156539369	-2.6994626	3.87E-06
peak_10842	chr5	68719168	68719545	52092	intron (NM_131302, intron 10 of 33)	NM_131302	notch1b	4.228163191	6.927774657	-2.699611466	4.06E-08
peak_12923	chr14	44410404	44412728	2265	exon (NM_001115099, exon 1 of 4)	NM_001115099	pcdh18b	5.78105211	8.480684802	-2.699632692	3.25E-07
peak_8398	chr19	24442029	24442672	24426	exon (NM_001044923, exon 5 of 11)	NM_001044923	si:dkey-222b8.1	6.385899469	9.085788643	-2.699889174	1.83E-09
peak_10132	chr7	66442340	66442878	112070	Intergenic	NM_001077722	tpcn2	4.222285668	6.922448076	-2.700162407	1.80E-08
peak_18266	chr2	59045280	59045726	8643	intron (NM_214812, intron 1 of 18)	NM_214812	epb41l3b	3.512183079	6.21257832	-2.700395241	1.59E-05
peak_39833	chr20	50664031	50664292	-112500	Intergenic	NM_001144797	LOC569213	-0.360322949	2.340208795	-2.700531745	0.017511
peak_18152	chr18	37775440	37775724	11283	intron (NM_001004608, intron 1 of 10)	NM_001004608	tmod2	2.718814869	5.419395075	-2.700580205	1.48E-05
peak_13944	chr15	32849309	32849856	-45991	Intergenic	NM_152974	mab21l1	4.465120626	7.166320026	-2.7011994	8.00E-07
peak_23253	chr4	21702926	21703269	-17854	intron (NM_001122611, intron 19 of 21)	NM_001030167	nup107	2.732111944	5.433658828	-2.701546884	0.000187
peak_22513	chr20	25564037	25564362	-953	promoter-TSS (NM_001082936)	NM_001082936	cyp2ad6	2.874173177	5.575768718	-2.701595542	0.000136
peak_12305	chr2	8971285	8971893	125363	Intergenic	NM_001002149	pigk	5.95275821	8.654358682	-2.701600472	1.80E-07
peak_23077	chr4	11694591	11695129	14267	intron (NM_001020739, intron 2 of 3)	NM_001020739	lmo3	4.518911704	7.220790238	-2.701878534	0.000174
peak_32319	chr5	73022352	73022785	41836	Intergenic	NM_001205027	dnajc25	0.215200887	2.917083797	-2.70188291	0.00371
peak_22625	chr24	4942035	4942389	-96808	Intergenic	NM_001110021	cpb1	3.357381403	6.059293607	-2.701912203	0.000143
peak_16793	chr10	4152263	4152826	98466	Intergenic	NM_200920	pitpnb	3.755185932	6.457562976	-2.702377044	6.30E-06
peak_27133	chr2	60022992	60023295	-80483	intron (NM_212882_1, intron 8 of 9)	NR_030000		0.653720264	3.356467605	-2.70274734	0.000813
peak_16500	chr11	22598054	22598491	-145681	Intergenic	NM_001199491	foxp4	3.355234589	6.057993209	-2.70275862	5.26E-06
peak_22964	chr19	49236622	49237047	-2540	Intergenic	NM_001040330	ext1c	2.471023015	5.174155405	-2.70313239	0.000167
peak_7952	chr7	12661661	12662563	222481	Intergenic	NM_001080993	mex3b	5.925441065	8.628715893	-2.703274828	8.83E-10
peak_29422	chr19	31141683	31141978	42194	Intergenic	NM_001245063	zgc:122991	2.784293744	5.487721989	-2.703428244	0.001717
peak_27808	chr11	42432716	42432948	-61117	intron (NM_131332_1, intron 3 of 3)	NM_131332	pax7a	2.200926086	4.904490121	-2.703564035	0.001033
peak_14886	chr22	33582671	33583231	80090	Intergenic	NM_001040377	zgc:136895	4.469096843	7.172748262	-2.70365142	1.67E-06
peak_10577	chr8	41749930	41750643	1722	exon (NM_001113624, exon 3 of 3)	NM_001113624	si:ch211-170d8.2	6.036020788	8.739827258	-2.70380647	2.99E-08
peak_35725	chr23	10720764	10721107	107993	Intergenic	NM_001077564	foxp1a	0.215200887	2.919168707	-2.70396782	0.008077
peak_6197	chr18	20052328	20054650	45971	Intergenic	NM_131012	gro2	7.883130449	10.58717714	-2.704046696	3.71E-11
peak_17614	chr13	50330399	50330787	92327	Intergenic	NM_199981	irf2bp2a	3.277877455	5.98222181	-2.704344355	1.07E-05
peak_30328	chr7	13832988	13833609	-34561	Intergenic	NM_001245957	syt7b	3.033337828	5.737753252	-2.704415424	0.002214
peak_29051	chr22	21288468	21288857	-17868	intron (NM_001202512, intron 5 of 17)	NM_200884	fkbp8	2.702019304	5.406543346	-2.704524042	0.001535
peak_18859	chr14	31512267	31513093	-232	promoter-TSS (NM_001045321)	NM_001045321	npas4a	4.306002077	7.010862556	-2.704860479	2.19E-05
peak_20180	chr8	24801754	24802077	32325	intron (NM_001123286, intron 3 of 19)	NM_001123286	si:ch211-180j19.:	2.537128982	5.242279564	-2.705150582	4.55E-05

peak_13044	chr21	40265801	40266307	-46518	intron (NM_001030122, intron 4 of 8)	NM_200873	hmp19	4.124614504	6.829908412	-2.705293908	3.70E-07
peak_32139	chr8	30837342	30837977	-127680	Intergenic	NM_001040637	fancc	3.657311474	6.362660358	-2.705348885	0.003529
peak_20991	chr13	17418467	17419408	94398	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	4.82993328	7.535366072	-2.705432792	6.67E-05
peak_27990	chr25	7333878	7334203	-293284	Intergenic	NM_001089334	hmg20a	2.467052111	5.172493329	-2.705441218	0.001101
peak_36191	chr24	31632529	31632902	-46140	Intergenic	NM_001013562	ptbp2a	1.831388386	4.53740006	-2.706011674	0.008907
peak_10888	chr14	44757845	44758499	348871	Intergenic	NM_001115099	pcdh18b	4.950940826	7.657015138	-2.706074311	4.37E-08
peak_33990	chr19	3283257	3283494	-68318	Intergenic	NM_001002522	fam203a	1.215200887	3.921327406	-2.706126519	0.005511
peak_11064	chr8	20291173	20291688	79059	Intergenic	NM_131271	foxd1	4.889089251	7.595916694	-2.706827443	5.30E-08
peak_24745	chr9	25444428	25444757	1297	intron (NM_001128365, intron 1 of 9)	NM_001128365	tmeff2a	3.188780911	5.895618098	-2.706837187	0.000351
peak_9079	chr16	723338	723867	-97039	Intergenic	NM_207184	irx1a	4.592962636	7.299876831	-2.706914195	4.70E-09
peak_19055	chr17	11146323	11146696	46862	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	3.389328476	6.09632274	-2.706994264	2.45E-05
peak_18506	chr12	31111786	31112188	-223605	Intergenic	NM_131731	gfra1b	3.210458296	5.917727222	-2.707268926	1.79E-05
peak_23483	chr13	50242229	50242631	-94601	Intergenic	NM_001030104	tsnax	3.465062553	6.172361311	-2.707298758	0.000205
peak_9718	chr15	13369875	13370435	184872	Intergenic	NM_201179	sars2	4.368129927	7.07559212	-2.707462193	1.11E-08
peak_24455	chr12	46145833	46146245	173387	Intergenic	NM_212945	mrpl38	2.091390725	4.798956829	-2.707566103	0.000311
peak_28196	chr5	46285915	46286382	11674	intron (NM_001099990, intron 1 of 24)	NM_001099990	dapk1	3.124540972	5.832122754	-2.707581783	0.001174
peak_7971	chr19	45712477	45713565	-117307	Intergenic	NM_001045120	rad21b	6.5909114	9.298762279	-2.707850878	9.11E-10
peak_13870	chr2	25118637	25119630	-209528	Intergenic	NM_001002303	nceh1a	5.446557305	8.154421049	-2.707863744	7.51E-07
peak_25715	chr22	26635558	26635917	23143	Intergenic	NM_001123236	LOC554962	3.733765494	6.441850747	-2.708085253	0.000498
peak_19232	chr13	49704153	49704772	21391	Intergenic	NM_001003463	ntpcr	4.978440673	7.686711929	-2.708271257	2.68E-05
peak_30221	chr1	44058620	44058945	8290	intron (NM_001002577, intron 3 of 8)	NM_001002577	suclg1	1.618352549	4.326670154	-2.708317604	0.002154
peak_6880	chr9	26848155	26849464	-25256	intron (NM_001114551, intron 1 of 8)	NM_001017560	gtdc1	7.507627481	10.21601341	-2.708385927	1.37E-10
peak_25894	chr2	4396770	4397337	32901	Intergenic	NM_199681	phb2a	4.139733435	6.848147264	-2.708413829	0.000531
peak_28113	chr7	17548522	17548934	-211303	Intergenic	NM_001006026	csrp3	3.473004376	6.181691426	-2.70868705	0.001146
peak_43772	chr4	49127962	49128542	660721	Intergenic	NR_030521		0.234016866	2.942748453	-2.708731587	0.032092
peak_11159	chr19	5206191	5206918	-89943	Intergenic	NM_001128549	LOC799704	5.371882364	8.080681278	-2.708798914	5.84E-08
peak_7352	chr20	21595542	21596443	-71412	Intergenic	NM_180966	esr2a	6.653976819	9.362858996	-2.708882177	3.34E-10
peak_29601	chr23	37603710	37604091	23063	Intergenic	NM_001077551	agmat	1.787481669	4.496389882	-2.708908213	0.001804
peak_31969	chr14	9601432	9602044	7821	Intergenic	NM_001161336	fb06f03	3.183950523	5.893088806	-2.709138283	0.003404
peak_8172	chr1	39910597	39911903	4514	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	5.497658046	8.206826914	-2.709168868	1.27E-09
peak_9333	chr22	24933253	24933973	21547	intron (NM_001003617, intron 1 of 9)	NM_001003617	nek7	5.480496525	8.189788953	-2.709292428	6.65E-09
peak_26336	chr1	54192091	54192444	83128	Intergenic	NM_200583	cct4	3.137236739	5.846623893	-2.709387154	0.000619
peak_10131	chr15	22769265	22771212	3406	intron (NM_001110279, intron 1 of 34)	NM_001110279	kmt2a	6.87434965	9.583785705	-2.709436055	1.80E-08
peak_9420	chr19	46503317	46504307	-362919	Intergenic	NM_001083814	ptpro	4.826792699	7.537648155	-2.710855456	7.55E-09
peak_10745	chr23	33047815	33048742	417157	Intergenic	NM_200286	taf8	6.648495636	9.359388765	-2.710893129	3.64E-08
peak_21726	chr10	32082213	32082572	105663	intron (NM_153654, intron 2 of 10)	NM_153654	pknox2	2.632603848	5.343514927	-2.710911079	9.50E-05
peak_15039	chr8	5114493	5115259	68143	Intergenic	NM_131039	es1	4.755138436	7.466170635	-2.711032198	1.87E-06
peak_21560	chr10	32076278	32076645	111594	intron (NM_153654, intron 3 of 10)	NM_153654	pknox2	2.831388386	5.542540019	-2.711151633	8.82E-05
peak_28190	chr11	40732176	40732534	-295793	Intergenic	NM_001040387	wnt4a	1.787481669	4.498755775	-2.711274106	0.001173
peak_26691	chr8	6663846	6664094	-482619	Intergenic	NM_001130781	vsig8b	2.521897487	5.233210626	-2.711313138	0.000699
peak_24775	chr11	33004787	33005362	417871	Intergenic	NM_001003624	diaph3	3.6900456	6.401703142	-2.711657542	0.000356
peak_32907	chr1	34145586	34146313	16265	intron (NM_207062, intron 1 of 5)	NM_207062	klf12a	0.215200887	2.926928453	-2.711727566	0.004291
peak_22278	chr7	27018864	27019135	2060	intron (NM_194369, intron 1 of 9)	NM_194369	cd99l2	2.650222256	5.361962423	-2.711740167	0.000123
peak_20202	chr8	10670716	10671127	243739	Intergenic	NM_001077391	zgc:153997	3.229335828	5.941078209	-2.711742381	4.59E-05
peak_9155	chr19	28617204	28617833	-1198	Intergenic	NM_131823	irx1b	5.010971152	7.722799058	-2.711827906	5.16E-09
peak_12871	chr6	977304	977819	-20580	Intergenic	NM_001245966	zeb2b	4.520884289	7.232723945	-2.711839656	3.08E-07
peak_10470	chr8	36803714	36804905	516121	Intergenic	NM_001007206	si:busm1-194e12	6.538548724	9.250394932	-2.711846208	2.64E-08
peak_8842	chr16	981982	982709	161695	Intergenic	NM_207185	irx1a	5.342286181	8.054342744	-2.712056563	3.39E-09
peak_7244	chr10	22823039	22823795	-117163	Intergenic	NM_001111177	zgc:172339	7.241189312	9.953430243	-2.712240932	2.77E-10
peak_14317	chr25	32576857	32577290	27378	intron (NM_173275_1, intron 9 of 22)	NM_173275	lamb1a	3.815860363	6.528145138	-2.712284775	1.08E-06
peak_16985	chr16	55330133	55330422	-43134	Intergenic	NM_001163294	col27a1a	2.818979367	5.531504409	-2.712525042	6.98E-06
peak_9671	chr1	47261301	47262079	-41878	Intergenic	NR_030003		6.102331002	8.81511652	-2.712785517	1.05E-08
peak_10386	chr8	15041848	15042475	29575	intron (NM_001128364, intron 8 of 11)	NM_001128364	qsox1	4.166915653	6.879829263	-2.71291361	2.40E-08
peak_13233	chr7	35630098	35631520	-2217	Intergenic	NM_001017873	fibinb	5.026569165	7.739562531	-2.712993366	4.33E-07
peak_26486	chr17	53359917	53360524	13023	intron (NM_131896, intron 1 of 4)	NM_131896	meis2a	3.25733105	5.970377142	-2.713046092	0.00065
peak_18523	chr5	38422019	38422518	15690	Intergenic	NM_130932	ckma	3.698537809	6.411925045	-2.713387235	1.81E-05
peak_29151	chr23	37483409	37483853	61559	Intergenic	NM_001004547	fam43b	1.434885166	4.148442572	-2.713557406	0.001585
peak_17881	chr19	44718496	44719084	78237	Intergenic	NM_001277131	pum1	3.903852685	6.617529607	-2.713676922	1.27E-05
peak_25797	chr9	27044429	27044694	-21227	Intergenic	NM_001128555	arhgap15	2.42263522	5.136363988	-2.713728769	0.000513
peak_30674	chr14	53639206	53639640	-67172	Intergenic	NM_001114469	zgc:174864	3.057306726	5.771039761	-2.713733035	0.002411
peak_9295	chr9	45360566	45361897	-504	promoter-TSS (NM_130978)	NM_130978	neurod	7.434234877	10.1480641	-2.713829227	6.35E-09
peak_38383	chr4	14144697	14145132	3857	Intergenic	NR_029927		2.247969535	4.961832959	-2.713863424	0.013753
peak_18612	chr13	13824837	13825342	33690	Intergenic	NM_001007289	rpia	4.404002454	7.117882833	-2.71388038	1.90E-05
peak_25471	chr14	8089960	8090280	-39445	Intergenic	NM_001002626	zgc:92242	3.124540972	5.838504908	-2.713963936	0.00046
peak_18271	chr8	22082071	22082433	160881	Intergenic	NM_001040382	si:dkey-24f17.5	3.086222395	5.80031448	-2.714092085	1.59E-05
peak_14138	chr2	3461824	3462486	13970	TTS (NM_200402)	NM_201452	arf1	5.108698398	7.822825605	-2.714127207	9.39E-07
peak_13855	chr25	2108452	2109174	-61119	Intergenic	NM_001102567	pparab	4.314866759	7.029012022	-2.714145262	7.45E-07
peak_14626	chr7	70107076	70107558	-71030	Intergenic	NM_205546	hnf4b	4.0373604	6.752159101	-2.714798701	1.38E-06
peak_28000	chr18	41230079	41230320	-52827	Intergenic	NM_001007388	ttc36	2.529533336	5.24445389	-2.714920555	0.001103
peak_9149	chr5	70767550	70768526	-20215	Intergenic	NM_001007401	b4galt4	6.043392755	8.758415501	-2.715022746	5.14E-09
peak_35847	chr9	54096062	54096392	23966	intron (NM_001089475, intron 8 of 15)	NM_001089475	nme8	0.944570835	3.659727948	-2.715157113	0.008294
peak_33809	chr4	11521932	11522146	19690	intron (NM_001007341, intron 3 of 11)	NM_001007341	arhgef39	1.967238845	4.682439317	-2.715200472	0.005266
peak_9553	chr13	5228302	5228883	17354	intron (NM_131893, intron 6 of 12)	NM_131893	meis1	4.592962636	7.308238252	-2.715275616	8.99E-09
peak_7381	chr12	38771284	38772115	65816	Intergenic	NM_001040355	pmp22b	6.701758832	9.417213536	-2.715454705	3.51E-10
peak_12244	chr4	9698925	9699564	30596	Intergenic	NM_200937	ing3	4.219927938	6.935487243	-2.715559305	1.69E-07
peak_7505	chr10	5949969	5950685	34281	intron (NM_001277085, intron 3 of 9)	NM_001044911	nrg1	5.958072879	8.673752642	-2.715679762	4.38E-10
peak_11044	chr21	16540591	16541319	72514	Intergenic	NM_001080558	zgc:158666	5.463626715	8.179353036	-2.715726321	5.16E-08
peak_8617	chr9	22723339	22724041	-32389	Intergenic	NM_001002483	sox1a	6.05172188	8.767987422	-2.716265541	2.42E-09
peak_21495	chr17	34239564	34239881	34334	intron (NM_001177444, intron 1 of 14)	NM_001177444	gphna	2.455073397	5.171377015	-2.716303618	8.49E-05
peak_14866	chr3	17938283	17938673	-20342	Intergenic	NM_198363	tob1a	3.440971353	6.157571001	-2.716599647	1.64E-06
peak_30242	chr1	49867345	49867838	8257	Intergenic	NM_131260	msxb	2.533336158	5.250132884	-2.716796726	0.002165
peak_11538	chr19	28628009	28628486	-11927	Intergenic	NM_131823	irx1b	4.419496475	7.136598505	-2.717102029	8.51E-08
peak_26931	chr17	31810177	31810499	32182	Intergenic	NM_001002442	nubpl	2.471023015	5.1881499	-2.717126885	0.000761
peak_12486	chr18	6533090	6533650	10343	intron (NM_152983, intron 1 of 46)	NM_152983	myo7aa	4.025258877	6.742474349	-2.717215472	2.16E-07
peak_13267	chr25	31981749	31982263	52803	Intergenic	NR_030401		3.963015635	6.680349579	-2.717333944	4.48E-07
peak_8240	chr16	45172358	45173201	-79855	Intergenic	NM_200188	herpud2	6.284960178	9.002453449	-2.717493271	1.43E-09
peak_18810	chr6	3611915	3612373	-30666	Intergenic	NM_194419	gad1b	4.264145665	6.981794491	-2.717648826	2.14E-05
peak_8904	chr18	8865693	8866257	28979	intron (NM_131061, intron 3 of 16)	NM_131061	sema3ab	4.995851639	7.713938235	-2.718086596	3.66E-09
peak_8111	chr3	53663924	53664719	26337	intron (NM_131447, intron 2 of 7)	NM_131447	pbx4	6.299564208	9.017812288	-2.718248081	1.16E-09
peak_15213	chr17	16635322	16635861	39065	intron (NM_001033743, intron 5 of 6)	NM_001033743	ston2	4.671997258	7.390295943	-2.718298685	2.12E-06
peak_8939	chr5	51153887	51154843	-342645	Intergenic	NM_001201438	si:dkey-172m14.1	5.549387246	8.267715648	-2.718328402	3.86E-09
peak_7253	chr16	21399331	21404576	-91967	Intergenic	NM_205550	sp8b	9.297506289	12.01607073	-2.718564439	2.83E-10
peak_16901	chr13	39550379	39550955	169149	Intergenic	NM_213264	col9a1b	4.259561525	6.978151555	-2.718590031	6.67E-06
peak_19831	chr11	36494775	36495320	108999	Intergenic	NM_212679	bhlhe40	4.173022651	6.891723756	-2.718701105	3.73E-05
peak_8840	chr25	152631	153824	-9060	intron (NM_180969_1, intron 1 of 10)	NM_001077771_1	zgc:109782	6.955240826	9.673956683	-2.718715858	3.38E-09
peak_21299	chr5	73501376	73501806	95658	intron (NM_001278805, intron 11 of 23)	NM_001278805	pappaa	3.361665472	6.080577583	-2.718912111	7.74E-05
peak_10742	chr5	71025468	71026310	-31621	Intergenic	NM_001012251	gsx1	6.627707856	9.34684722	-2.719139364	3.62E-08
peak_12163	chr3	36460520	36461612	58304	Intergenic	NM_001030203	nde1	4.966535835	7.685732874	-2.719197039	1.58E-07
peak_23360	chr15	4237080	4237512	43485	intron (NM_131670, intron 2 of 6)	NM_131670	atp1b3b	2.895012766	5.614535727	-2.719522961	0.000195
peak_27205	chr18	46692561	46693476	72520	Intergenic	NM_001037706	smtla	0.653720264	3.373869834	-2.720149569	0.000833
peak_19950	chr16	41684807	41685201	77810	Intergenic	NM_001002427	eny2	3.477074143	6.197333578	-2.720259435	3.99E-05
peak_8166	chr19	18447514	18448239	-4176	Intergenic	NR_030124		6.035370072	8.755858403	-2.720488332	1.25E-09
peak_14962	chr16	51884976	51885422	-65000	intron (NM_001012368, intron 2 of 10)	NM_131612	pbx2	3.938764103	6.659363138	-2.720599035	1.75E-06
peak_7188	chr11	8053011	8053684	218904	Intergenic	NM_001080595	ttll7	6.185514627	8.906617088	-2.721102462	2.47E-10
peak_20083	chr7	36556075	36556389	15156	Intergenic	NM_199620	atp6v0d1	2.718814869	5.439964123	-2.721149254	4.32E-05

peak_22856	chr16	33067907	33068360	105157	intron (NM_131796, intron 23 of 31)	NM_131796	ptk2ab	3.142225818	5.863620126	-2.721394308	0.000158
peak_37059	chr10	27236793	27237362	3677	intron (NM_199217, intron 1 of 5)	NM_199217	fhl1b	-0.360322949	2.3611992	-2.721522149	0.010681
peak_13176	chr17	35944135	35944625	114355	Intergenic	NM_131336	sox11a	4.97144973	7.693001508	-2.721551778	4.16E-07
peak_10782	chr2	56854260	56854691	50895	Intergenic	NR_105069		4.551263923	7.273171482	-2.721907559	3.78E-08
peak_8095	chr13	34145815	34146636	-94590	intron (NM_200549, intron 4 of 19)	NM_001256646	flrt3	5.513174319	8.235299829	-2.72212551	1.13E-09
peak_21928	chr1	45179556	45179859	-13294	Intergenic	NM_001256200	si:dkey-28b4.7	2.722150645	5.444864305	-2.72271366	0.000106
peak_8951	chr16	57492874	57494547	-50978	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	6.503271552	9.226197917	-2.722926365	3.92E-09
peak_11838	chr13	49472183	49473220	-70104	Intergenic	NM_182860	msh6	6.082277172	8.805323364	-2.723046192	1.14E-07
peak_8570	chr5	6500570	6501319	-11506	Intergenic	NM_001013333	zgc:110796	6.967776126	9.690938276	-2.72316215	2.28E-09
peak_32863	chr8	3036417	3036722	44682	intron (NM_001045162, intron 5 of 14)	NM_001045162	crb2b	0.639677051	3.362864123	-2.723187072	0.00424
peak_14091	chr16	17366168	17366692	26102	intron (NM_001020534, intron 6 of 6)	NM_001020534	mrpl13	4.294778726	7.018436225	-2.723657499	9.06E-07
peak_11773	chr1	49834501	49835027	-24570	Intergenic	NM_131260	msxb	4.690897074	7.414836688	-2.723939613	1.07E-07
peak_10996	chr11	44776973	44777542	-80216	Intergenic	NM_001002123	ralbb	4.596602092	7.320877564	-2.724275472	4.92E-08
peak_8884	chr5	51600704	51601544	73551	intron (NM_200418, intron 6 of 6)	NM_131180	nr2f1a	5.763280668	8.487572115	-2.724291446	3.55E-09
peak_15682	chr23	2112771	2113938	-54232	Intergenic	NM_001002301	prdm5	5.000020032	7.724460136	-2.724440104	3.02E-06
peak_25543	chr17	14126744	14127236	199617	Intergenic	NM_200482	jkamp	3.25733105	5.98190908	-2.72457803	0.00047
peak_11256	chr10	45372049	45372583	73030	Intergenic	NM_200592	nr2f1b	4.900218919	7.624884535	-2.724665617	6.37E-08
peak_25573	chr19	39157503	39158020	-11478	Intergenic	NM_001122760	thsd7a	2.862128275	5.587255753	-2.725127478	0.000476
peak_20293	chr13	35030674	35031773	-28301	intron (NM_001003562, intron 10 of 11)	NM_001012376_1	ism1	5.164465597	7.889781186	-2.725315589	4.81E-05
peak_14018	chr3	41447595	41448254	-194495	Intergenic	NM_001013277	gna12a	5.336312431	8.062231808	-2.725919377	8.56E-07
peak_8146	chr7	29878969	29879877	6254	intron (NM_001002327, intron 1 of 19)	NM_001002327	st5	6.359020672	9.085377545	-2.726356873	1.22E-09
peak_28427	chr5	31382895	31383260	5619	Intergenic	NM_001017712	barhl1a	3.612971808	6.339765188	-2.72679338	0.001259
peak_24461	chr19	34981819	34982126	-84652	Intergenic	NM_001076776	runx1t1	2.247969535	4.974931798	-2.726962262	0.000311
peak_15785	chr17	28956061	28956467	-85554	Intergenic	NM_001003822	g2e3	3.28916694	6.016202152	-2.727035212	3.25E-06
peak_17099	chr2	49847590	49848024	-140093	Intergenic	NM_001277094	rorcb	3.025258877	5.752430382	-2.727171504	7.52E-06
peak_13626	chr16	53408353	53408937	-118506	Intergenic	NM_001003494	ube2e2	3.030649868	5.757828954	-2.727179086	6.19E-07
peak_17120	chr5	36296780	36297327	-62530	Intergenic	NM_001114845	hexa	4.403941868	7.131217061	-2.727275194	7.60E-06
peak_10252	chr6	20547879	20548323	-243072	Intergenic	NM_178131	scinla	3.922906591	6.650250942	-2.727344351	2.07E-08
peak_15107	chr3	34458978	34459378	139825	Intergenic	NM_213197	znf207a	4.208011743	6.935361604	-2.72734986	1.96E-06
peak_35057	chr21	16236375	16236668	-121754	Intergenic	NM_001012312	gsna	2.31603542	5.043415306	-2.727379886	0.006951
peak_10196	chr21	41490299	41490975	46718	Intergenic	NM_001007285	p4ha2	4.160782694	6.88828322	-2.727500526	1.94E-08
peak_29658	chr10	27480363	27480638	17894	Intergenic	NM_001006010	sssca1	0.234016866	2.961780242	-2.727763376	0.001837
peak_8112	chr9	24142252	24143272	8933	intron (NM_001004670, intron 1 of 4)	NM_001004670	lypd6	6.995324715	9.723216665	-2.727891949	1.16E-09
peak_42322	chr5	1085443	1085752	107522	Intergenic	NM_001098396_1	zgc:158463	-0.360322949	2.367686229	-2.728009178	0.025711
peak_11324	chr21	20262174	20262687	60265	Intergenic	NM_001029959	rtn2b	3.766538874	6.495173726	-2.728634851	6.83E-08
peak_10245	chr22	21745721	21746485	24741	intron (NM_001045077, intron 3 of 5)	NM_001045077	shdb	5.843015081	8.57168823	-2.728673149	2.04E-08
peak_15483	chr17	41670115	41670693	90746	Intergenic	NM_199658	insm1b	3.766538874	6.495729289	-2.729190414	2.58E-06
peak_7996	chr16	52999985	53001417	49930	Intergenic	NM_001201489	efhb	6.767536426	9.49673493	-2.729198504	9.48E-10
peak_24974	chr10	29284417	29284991	-222054	Intergenic	NM_001007351	btg3	3.25733105	5.986590229	-2.729259179	0.000384
peak_25606	chr9	32255000	32255512	54237	intron (NM_001037416, intron 2 of 7)	NM_001037416	clybl	3.073219981	5.802485507	-2.729265525	0.000482
peak_22379	chr14	34719542	34719900	21457	exon (NM_001166124, exon 2 of 3)	NM_001166124	apln	3.014416083	5.743744899	-2.729328816	0.000129
peak_19966	chr20	15175146	15175482	4969	intron (NM_200805, intron 1 of 4)	NM_200805	prdx6	2.967238845	5.696603559	-2.729364713	4.03E-05
peak_15752	chr21	28830762	28831291	24169	Intergenic	NM_001173499	slc23a1	2.892054049	5.621439722	-2.729385674	3.18E-06
peak_19930	chr8	5112122	5112862	65759	Intergenic	NM_131039	es1	3.494735408	6.224153705	-2.729418296	3.95E-05
peak_19184	chr13	36531195	36531548	11710	Intergenic	NM_001002084	med6	3.142225818	5.871762702	-2.729536884	2.61E-05
peak_16527	chr18	42649887	42650368	67967	Intergenic	NM_001045140	si:ch211-151h10.	3.447031973	6.176572505	-2.729540532	5.35E-06
peak_22070	chr5	7478210	7478480	-150264	Intergenic	NM_001018130	crybb3	2.363802745	5.093379492	-2.729576747	0.000112
peak_29246	chr4	9105891	9106278	132314	Intergenic	NM_001045158	sbf1	3.473004376	6.202847941	-2.729843565	0.001637
peak_7962	chr17	34956962	34957967	-15605	Intergenic	NM_201291	id2a	7.320411752	10.05057083	-2.730159078	8.98E-10
peak_7367	chr18	9346016	9346835	398871	Intergenic	NM_001045084	sema3e	6.835889303	9.566319542	-2.730430239	3.42E-10
peak_32270	chr14	13290139	13291145	-195377	Intergenic	NM_198360	gria3b	1.234016866	3.964505706	-2.73048884	0.003662
peak_22849	chr9	23499678	23500059	101418	Intergenic	NM_001012390	crygs3	2.33794409	5.068700306	-2.730756216	0.000158
peak_40051	chr8	33057927	33058200	136270	intron (NM_001159661, intron 15 of 28)	NM_001159661	zgc:91897	0.653720264	3.384536626	-2.730816361	0.01816
peak_26845	chr10	23446066	23446409	-87173	Intergenic	NM_001020582	nle1	2.521897487	5.253045836	-2.731148348	0.000739
peak_9175	chr19	12964885	12965430	-7079	Intergenic	NM_213032	psmg2	5.012334216	7.743502227	-2.731168012	5.30E-09
peak_11186	chr1	41213460	41213929	75716	Intergenic	NM_001003502_1	htra3a	4.455073397	7.186354861	-2.731281464	5.96E-08
peak_14280	chr4	4739647	4740774	62929	Intergenic	NM_001089551	slc13a4	4.158322191	6.889848471	-2.73152628	1.04E-06
peak_25800	chr19	30574264	30574574	13858	Intergenic	NM_001114581	zgc:175136	3.420583411	6.152155934	-2.731572523	0.000514
peak_24112	chr16	25124407	25124718	78324	Intergenic	NM_001003997	flad1	2.614767619	5.346386087	-2.731618468	0.00027
peak_32288	chr9	32584418	32584789	-26220	Intergenic	NM_001173502	tmtc4	2.735417151	5.467137455	-2.731720304	0.003681
peak_7459	chr10	1143483	1144081	47121	intron (NM_001114924_1, intron 3 of 4)	NM_001114924_1	bmpr1bb	5.944172143	8.675943359	-2.731771216	4.04E-10
peak_15128	chr24	7507962	7508374	-72851	Intergenic	NM_001089556	actr3b	3.815860363	6.548102128	-2.732241765	1.98E-06
peak_29612	chr25	37112598	37112908	-19764	Intergenic	NM_001246660	rpgrip1l	1.467052111	4.199298698	-2.732246587	0.001808
peak_7776	chr10	13518927	13520404	-159182	intron (NM_001098242, intron 3 of 8)	NM_001099446	LOC556326	6.804878967	9.537227438	-2.732348471	6.71E-10
peak_12715	chr9	35602727	35603223	-9566	Intergenic	NM_001126411	shox	4.230507512	6.962908365	-2.732400853	2.68E-07
peak_12762	chr7	27282856	27283318	-15462	Intergenic	NM_001123054	si:ch211-138a11.	4.602949131	7.335384901	-2.73243577	2.80E-07
peak_13056	chr5	17981498	17982678	17605	intron (NM_001114917, intron 1 of 8)	NM_001114917	kremen1	5.88980939	8.622269056	-2.732459665	3.73E-07
peak_27439	chr18	11892106	11892590	-116346	Intergenic	NM_198372	fam107b	2.935977657	5.668641652	-2.732663995	0.000906
peak_22961	chr7	45188418	45188744	-244889	Intergenic	NM_001003983	cdh5	1.967238845	4.699993725	-2.73275488	0.000166
peak_9937	chr12	46700630	46701332	-79546	Intergenic	NM_212942	fbxl15	5.269888677	8.002765797	-2.732877119	1.46E-08
peak_7791	chr13	29077408	29078717	68601	Intergenic	NM_001020523	nsmce4a	6.743477924	9.476492016	-2.733014092	6.83E-10
peak_18699	chr7	67781905	67782281	-131850	Intergenic	NM_212949	pth1b	2.725478726	5.4586746	-2.733195874	2.00E-05
peak_18743	chr15	29325986	29326367	176114	Intergenic	NR_030070		2.877168754	5.61039983	-2.733231076	2.04E-05
peak_6126	chr5	17868274	17869123	51802	Intergenic	NM_001004541	zgc:92445	8.31459459	11.04808491	-2.733490323	3.24E-11
peak_29671	chr20	41910974	41911369	47054	Intergenic	NM_001201561	LOC555548	2.31603542	5.049583706	-2.733548287	0.001847
peak_15735	chr6	8696654	8697251	-8254	Intergenic	NM_001089189	vps16	4.238750704	6.972493622	-2.733742918	3.12E-06
peak_8432	chr5	31609988	31611353	-17967	Intergenic	NR_030053		7.501909641	10.23568169	-2.733772053	1.92E-09
peak_41243	chr22	35085966	35086251	44507	Intergenic	NM_001114590	rbm15b	0.215200887	2.948991462	-2.733790575	0.022162
peak_33183	chr19	12058685	12059080	-3887	Intergenic	NM_001136185	LOC799177	0.234016866	2.967925135	-2.733908269	0.004586
peak_12509	chr23	22475886	22476258	-18540	Intergenic	NM_001039808	slc2a1a	3.592962636	6.326911253	-2.733948617	2.20E-07
peak_26448	chr6	45970779	45971448	-84837	Intergenic	NM_201476	tardbp	3.122017822	5.856033931	-2.734016109	0.00064
peak_17004	chr19	22471359	22471634	-75608	Intergenic	NM_001045150	sall3b	2.793836463	5.528352862	-2.7345164	7.05E-06
peak_26600	chr20	48695689	48696447	35469	Intergenic	NM_001020753	prep	3.735417151	6.469999806	-2.734582655	0.000675
peak_31265	chr2	59438887	59439200	56397	intron (NM_212882_1, intron 4 of 9)	NM_001017797	cirbpa	2.247969535	4.982677314	-2.734707779	0.002818
peak_29485	chr8	35142369	35142837	114094	Intergenic	NM_001002420	gapvd1	2.350931353	5.085804671	-2.734873318	0.001748
peak_27854	chr5	67757239	67757761	2336	intron (NM_001080575, intron 9 of 58)	NR_030136		3.911178131	6.646485276	-2.735307145	0.001049
peak_37250	chr4	2260625	2261288	-19646	Intergenic	NM_201318	nap1l1	0.215200887	2.950553134	-2.735352247	0.011111
peak_16601	chr19	31463002	31463521	141183	Intergenic	NM_213235	khdrbs1b	4.173022651	6.908421655	-2.735399004	5.60E-06
peak_10226	chr14	25682687	25683375	77766	intron (NM_131736, intron 4 of 35)	NM_131736	slit3	4.586571412	7.322415384	-2.735843971	2.00E-08
peak_26588	chr3	38949543	38949875	-38929	Intergenic	NM_001045132	si:dkey-106c17.2	2.31603542	5.052005259	-2.735969839	0.000671
peak_20623	chr1	41646400	41646833	22270	intron (NM_214724, intron 2 of 17)	NM_214724	rgs12b	3.114421786	5.850455826	-2.73603404	5.66E-05
peak_12905	chr1	40014930	40015682	108570	intron (NM_130968, intron 4 of 28)	NM_130968	tenm3	4.003411208	6.740028333	-2.736617125	3.17E-07
peak_39220	chr16	55528576	55528863	10902	Intergenic	NM_201061	rpl28	-0.360322949	2.376369384	-2.736692333	0.015863
peak_8346	chr19	26339359	26340311	-81327	Intergenic	NM_212563	pard6gb	5.902036946	8.638826599	-2.736789653	1.69E-09
peak_14584	chr10	40195668	40196324	80055	intron (NM_001030224, intron 3 of 32)	NM_001030224	dscama	4.868872007	7.605691947	-2.73681994	1.32E-06
peak_11176	chr20	20230492	20231023	24274	intron (NM_001276280, intron 1 of 11)	NM_001276280	kcnh5a	4.646715745	7.383750712	-2.737034968	5.91E-08
peak_24273	chr3	48768470	48768794	257918	Intergenic	NM_001079978	zgc:158309	2.935977657	5.673029859	-2.737052201	0.00029
peak_29066	chr15	20438716	20439009	29564	Intergenic	NR_030067		2.106785545	4.844088415	-2.73730287	0.001542
peak_12634	chr1	2723876	2724292	-81987	Intergenic	NR_030009		3.886118348	6.623497872	-2.737379524	2.46E-07
peak_10005	chr18	14863583	14864021	5739	intron (NM_001044708, intron 1 of 6)	NM_001044708	si:dkey-103i16.6	4.493759878	7.231230419	-2.73747054	1.58E-08
peak_6345	chr6	54017117	54017831	63140	Intergenic	NM_001039997	zgc:136804	6.843578328	9.581548216	-2.737969888	4.96E-11
peak_11257	chr10	32462124	32462864	-9298	Intergenic	NM_131482	robo3	4.836059295	7.574040201	-2.737980906	6.37E-08
peak_15574	chr13	875594	876132	-11781	Intergenic	NM_001173407	LOC798231	2.797003394	5.535088196	-2.738084802	2.75E-06
peak_18707	chr22	41888174	41888579	19081	intron (NM_131379, intron 2 of 15)	NM_131379	kal1b	3.580151749	6.318299606	-2.738147858	2.01E-05
peak_10407	chr7	8241695	8242255	6259	intron (NM_131354, intron 1 of 2)	NM_131354	six7	4.254962771	6.99313359	-2.738170819	2.46E-08

peak_15823	chr13	18308447	18308883	-51779	Intergenic	NM_001017851	eif4e1c	4.281273587	7.019472117	-2.738198531	3.32E-06
peak_31408	chr16	9711703	9712312	-68926	Intergenic	NM_213342	ddc	4.494792299	7.233426216	-2.738633917	0.00292
peak_11989	chr8	45852040	45852397	14208	Intergenic	NM_130917	fzd10	3.84531137	6.583947087	-2.738635717	1.33E-07
peak_24538	chr8	17907160	17907482	128525	Intergenic	NM_130935	skia	2.664163689	5.402991035	-2.738827346	0.000322
peak_17527	chr6	43950954	43951299	24485	intron (NM_001012373, intron 2 of 5)	NM_001012373	rybpb	3.049361258	5.788225829	-2.738864572	9.96E-06
peak_13134	chr9	30398367	30398694	-43581	intron (NM_001080194, intron 1 of 1)	NM_131377	pth2r	3.171803318	5.911487738	-2.73968442	3.98E-07
peak_21121	chr2	10093572	10093988	21808	intron (NM_213312, intron 1 of 2)	NM_200576	gadd45aa	3.147197703	5.886974634	-2.739776931	7.12E-05
peak_12046	chr7	19598779	19599303	216869	Intergenic	NM_001127308	dtx1	4.527572549	7.267611474	-2.740038925	1.40E-07
peak_11208	chr3	32568978	32570008	15444	Intergenic	NM_001202477	prrg2	6.100051818	8.840474228	-2.74042241	6.04E-08
peak_13632	chr5	11926515	11927123	24221	Intergenic	NM_203478_1	rtn4r	5.46113342	8.201562622	-2.740429202	6.22E-07
peak_7550	chr12	38805130	38806106	31897	Intergenic	NM_001040355	pmp22b	6.02591417	8.766467581	-2.740553411	4.82E-10
peak_24964	chr11	36585018	36585571	18752	Intergenic	NM_212679	bhlhe40	3.31603542	6.056769698	-2.740734279	0.000382
peak_30955	chr1	35482500	35482892	-15501	Intergenic	NM_001080012	hhip	3.073219981	5.814156214	-2.740936233	0.002594
peak_7010	chr15	37559339	37560103	54803	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	7.061165711	9.802146891	-2.74098118	1.73E-10
peak_9915	chr6	14486217	14487516	-283958	Intergenic	NM_001128547	inpp4ab	6.302925974	9.044158897	-2.741232923	1.43E-08
peak_13028	chr14	27639461	27639853	74260	Intergenic	NM_131041	neurog1	3.766538874	6.508010743	-2.741471868	3.65E-07
peak_6994	chr24	20064924	20065838	-2622	Intergenic	NM_001003846	sulf1	5.780228892	8.521874069	-2.741645177	1.68E-10
peak_8878	chr4	11598231	11599364	-57068	Intergenic	NM_001007341	arhgef39	5.612470073	8.354151195	-2.741681122	3.51E-09
peak_11000	chr24	23771474	23771943	404302	Intergenic	NM_001199998	si:dkey-7n6.2	4.155857485	6.897560337	-2.741702851	4.92E-08
peak_32347	chr4	16221939	16222322	-91059	Intergenic	NM_001099454	casc1	2.632603848	5.374510299	-2.741906451	0.003737
peak_23720	chr14	7033798	7034160	18681	Intergenic	NM_001111226	hbegfa	2.909716015	5.651911781	-2.742195767	0.000228
peak_16729	chr14	4569314	4570065	72809	Intergenic	NM_205648	dhrs13l1	4.177960568	6.92025429	-2.742293722	6.05E-06
peak_8980	chr16	6780211	6781449	-72636	Intergenic	NM_001002182	zgc:91890	6.901669233	9.644252554	-2.742583321	4.08E-09
peak_41849	chr7	1801766	1802214	-29584	Intergenic	NM_200561_1		-0.360322949	2.382410128	-2.742733077	0.024114
peak_8538	chr22	12459018	12459573	-44851	Intergenic	NR_030072		5.165691145	7.908499192	-2.742808047	2.20E-09
peak_15643	chr8	42304779	42305504	-10585	Intergenic	NM_213167	kdm2ba	3.947423891	6.690423139	-2.742999249	2.90E-06
peak_7209	chr16	57496573	57498140	-54624	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	6.172430897	8.91552793	-2.743097034	2.59E-10
peak_24166	chr7	38571218	38571455	-198101	Intergenic	NM_001146014	sall1a	2.451058288	5.194309659	-2.743251372	0.000277
peak_16238	chr5	60658313	60658640	35887	Intergenic	NM_200378	zgc:64116	2.342286181	5.086010527	-2.743724346	4.38E-06
peak_10671	chr24	24426484	24427149	20779	Intergenic	NM_200062	rrs1	6.663576447	9.407553401	-2.743976954	3.37E-08
peak_8403	chr21	36509656	36510311	9844	3' UTR (NM_131430, exon 20 of 20)	NM_131430	fgfr4	5.127133121	7.871219297	-2.744086176	1.85E-09
peak_13026	chr13	13811844	13812507	20776	Intergenic	NM_001007289	rpia	5.038698769	7.782921462	-2.744222693	3.64E-07
peak_17622	chr13	30589149	30589446	137574	Intergenic	NM_201216	rps24	2.548447992	5.292714013	-2.744266021	1.07E-05
peak_31422	chr20	21732962	21733399	65776	Intergenic	NM_180966	esr2a	3.951610027	6.696282138	-2.744672111	0.002928
peak_9294	chr1	39937291	39937895	30857	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	4.829888182	7.574600027	-2.744711845	6.35E-09
peak_22583	chr5	71060872	71061169	3510	Intergenic	NM_001012251	gsx1	2.664163689	5.408981144	-2.744817455	0.00014
peak_17234	chr24	10463915	10464263	205461	Intergenic	NM_207078	fam49bb	3.871171366	6.616057825	-2.744886459	8.20E-06
peak_9620	chr6	41636027	41636547	-103272	Intergenic	NM_200137	rad18	4.677212817	7.422128746	-2.744915929	9.79E-09
peak_8488	chr13	54035807	54036976	-10584	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	6.001030212	8.746055284	-2.745025073	2.08E-09
peak_10271	chr12	100146	100727	87339	Intergenic	NM_001089421	map2k4b	5.073143782	7.818331397	-2.745187615	2.13E-08
peak_25159	chr7	66439346	66439713	108990	Intergenic	NM_001077722	tpcn2	2.333588892	5.078911652	-2.745322761	0.000411
peak_40101	chr6	59281489	59282270	78731	Intergenic	NM_001033751	fam210b	-0.360322949	2.385207337	-2.745530286	0.018315
peak_11513	chr18	36478703	36479360	46133	intron (NM_001114715, intron 1 of 11)	NM_001099255	si:dkeyp-86e4.1	4.983354802	7.728979524	-2.745624722	8.32E-08
peak_15726	chr18	23531749	23532430	126976	Intergenic	NM_131183	nr2f2	4.374503711	7.120161598	-2.745657887	3.11E-06
peak_28723	chr2	42631409	42631656	-155181	Intergenic	NM_199851	gtpbp4	1.618352549	4.364043081	-2.745690531	0.001377
peak_25369	chr1	41208596	41208956	70798	Intergenic	NM_001003502_1	htra3a	2.471023015	5.216901613	-2.745878597	0.000444
peak_10609	chr5	15600555	15601101	341956	Intergenic	NM_001171697	npffr1l2	3.964424746	6.710811484	-2.746386738	3.10E-08
peak_12173	chr9	38743125	38743811	-63686	Intergenic	NM_001113576	pdia5	4.621876502	7.368286112	-2.74640961	1.59E-07
peak_22151	chr16	39423621	39424244	-23963	Intergenic	NM_001111247_1	ctps1b	1.66069094	4.407395657	-2.746704716	0.000116
peak_10284	chr17	30340154	30340660	76039	Intergenic	NM_001142264	spata17	5.331406352	8.078438085	-2.747031733	2.16E-08
peak_14045	chr7	36203489	36204388	-45571	Intergenic	NM_199272	esrp2	4.776246171	7.523607667	-2.747361496	8.81E-07
peak_32803	chr20	36745921	36746243	-42252	Intergenic	NM_199590	rpl7l1	1.426730103	4.174092315	-2.747362212	0.004176
peak_14038	chr15	3447958	3448437	54278	Intergenic	NM_001077257	foxo1a	4.023907976	6.771829648	-2.747921672	8.74E-07
peak_15182	chr14	34153617	34153948	-85925	Intergenic	NM_212957	pdzd11	3.909801353	6.657745896	-2.747944543	2.07E-06
peak_19475	chr6	47384407	47384948	-24239	Intergenic	NR_030036		3.760062422	6.508242105	-2.748179682	3.04E-05
peak_14426	chr5	12810389	12810782	86592	Intergenic	NM_001128707	nf2a	3.154623552	5.902866465	-2.748242914	1.19E-06
peak_25396	chr6	14396589	14396849	-193811	Intergenic	NM_001128547	inpp4ab	2.31603542	5.064281677	-2.748246258	0.000449
peak_26409	chr5	61203638	61204212	-47918	Intergenic	NM_001127307	dtx2	4.258480226	7.006757202	-2.748276976	0.000634
peak_12736	chr19	36720838	36721366	-136885	Intergenic	NM_001044971	bmp8a	4.120828315	6.869394545	-2.74856623	2.74E-07
peak_23428	chr18	42561323	42561713	-31316	Intergenic	NM_001081628	cdon	3.621928594	6.370742753	-2.74881416	0.0002
peak_9057	chr18	44326485	44327251	-44562	Intergenic	NM_201026	ap2m1b	5.343369665	8.092316243	-2.748946579	4.58E-09
peak_16082	chr18	19512519	19512921	-41003	Intergenic	NM_175083	smad3b	3.383019995	6.132018522	-2.748998527	3.96E-06
peak_40663	chr21	5214025	5214287	91597	Intergenic	NM_205680	zgc:77838	1.467052111	4.216158277	-2.749106165	0.020118
peak_16679	chr3	22949465	22949789	171151	Intergenic	NM_001128744	cyb561	2.797003394	5.546175119	-2.749171725	5.87E-06
peak_20757	chr4	18714436	18715045	-38019	intron (NM_001044960, intron 31 of 37)	NM_001013274	hgfa	4.012975542	6.762621445	-2.749645903	5.99E-05
peak_18449	chr15	2488452	2488845	-16	promoter-TSS (NM_001020548)	NM_001020548	neu4	3.664264861	6.414013076	-2.749748215	1.73E-05
peak_43426	chr2	21749254	21750040	-29825	Intergenic	NM_001256694	tox	-0.360322949	2.389591005	-2.749913954	0.03053
peak_7920	chr15	3173714	3175425	-119883	Intergenic	NM_001045369	zgc:153184	6.928703674	9.678696202	-2.749992528	8.44E-10
peak_40431	chr9	17889567	17889798	24719	intron (NM_001005305, intron 6 of 8)	NM_001005305	slain1a	-0.360322949	2.389670375	-2.749993324	0.019341
peak_13470	chr19	16759070	16759461	-22080	Intergenic	NM_001004289	sf3a3	3.166915653	5.917026551	-2.750110898	5.41E-07
peak_13572	chr21	23113777	23114175	-89339	Intergenic	NM_131202	ncam1a	3.587486179	6.338036596	-2.750550417	5.90E-07
peak_8008	chr17	10148727	10149706	-49505	Intergenic	NM_131432	tyro3	6.663346902	9.413903307	-2.750556405	9.72E-10
peak_9850	chr25	155726	156775	-6037	intron (NM_180969_1, intron 1 of 10)	NM_001077771_1	zgc:109782	6.772607719	9.523184445	-2.750576726	1.32E-08
peak_7534	chr5	41327414	41328217	-23636	intron (NM_199829, intron 9 of 14)	NM_001105279	prkg2	6.202964414	8.953641907	-2.750677493	4.65E-10
peak_38868	chr8	10464264	10464526	51698	intron (NM_001126470, intron 1 of 5)	NM_001126470	kcnd1	-0.360322949	2.390584965	-2.750907914	0.01492
peak_26380	chr22	21732064	21732436	10888	intron (NM_001045077, intron 2 of 5)	NM_001045077	shdb	2.751830549	5.502745466	-2.750914916	0.000628
peak_11356	chr10	37844972	37845420	-9604	Intergenic	NM_001190303	slc1a3b	4.105508899	6.856523745	-2.751014845	7.04E-08
peak_15020	chr24	30452062	30452538	173539	Intergenic	NM_001163988	prmt6	3.455073397	6.206097342	-2.751023945	1.84E-06
peak_20437	chr6	18095440	18095775	96789	intron (NM_131029, intron 2 of 5)	NM_131029	ntn1a	2.818979367	5.570025473	-2.751046106	5.16E-05
peak_15402	chr20	26441297	26442122	8837	intron (NM_001281788, intron 3 of 3)	NM_001098184	akap12b	4.521841655	7.272956421	-2.751114766	2.42E-06
peak_32541	chr17	34898326	34898573	-74620	Intergenic	NM_201291	id2a	1.938847741	4.690080863	-2.751233122	0.00393
peak_7805	chr9	33800328	33801558	-14120	Intergenic	NM_178100	olig2	6.448809552	9.200201457	-2.751391905	7.01E-10
peak_7509	chr17	8838140	8838733	-16651	Intergenic	NM_001077768	zranb1b	5.659872185	8.411271011	-2.751398826	4.42E-10
peak_8379	chr8	13299801	13300437	-141101	Intergenic	NM_001004664	zgc:103670	4.89131342	7.642852212	-2.751538792	1.78E-09
peak_13282	chr6	12030225	12030883	112874	Intergenic	NM_001077769	wdsub1	5.40815049	8.15996518	-2.75181469	4.57E-07
peak_19764	chr25	7710398	7711227	83488	Intergenic	NM_001089334	hmg20a	4.465120626	7.217280403	-2.752159777	3.58E-05
peak_34067	chr16	45299727	45300132	-5043	Intergenic	NM_131506	tbx20	2.725478726	5.478259102	-2.752780376	0.005607
peak_24679	chr2	6899156	6899598	-9305	Intergenic	NM_001114683	si:dkey-60b12.1	0.944570835	3.697420073	-2.752849238	0.000342
peak_19397	chr2	31851567	31852103	117679	Intergenic	NM_200172	mycb	4.14960497	6.902918167	-2.753313198	2.93E-05
peak_8957	chr8	18537407	18538446	7548	intron (NM_213450, intron 4 of 15)	NM_213450	ssbp3b	6.591126156	9.344476048	-2.753349892	3.95E-09
peak_11717	chr17	36146170	36147346	-88023	Intergenic	NM_131336	sox11a	5.095897876	7.849288246	-2.75339037	9.96E-08
peak_13606	chr11	30390189	30390819	-56737	Intergenic	NM_001114908		4.92507927	7.678579314	-2.753500044	6.06E-07
peak_16648	chr14	31560701	31561042	12835	intron (NM_001008587, intron 4 of 10)	NM_001008587	efemp2a	2.718814869	5.472395183	-2.753580314	5.74E-06
peak_24426	chr6	18051252	18051651	52633	intron (NM_131029, intron 1 of 5)	NM_131029	ntn1a	4.054663095	6.808510546	-2.75384745	0.000308
peak_18660	chr2	22726300	22726623	45917	intron (NM_001144045, intron 17 of 19)	NM_001144045	kifap3b	3.162011373	5.916202707	-2.754191334	1.95E-05
peak_14183	chr15	28031135	28031758	-4908	Intergenic	NM_200018	blmh	5.24165911	7.995857902	-2.754198792	9.75E-07
peak_16511	chr15	31322743	31323207	164620	Intergenic	NM_001110394	brca2	3.696843362	6.451129612	-2.75428625	5.31E-06
peak_14179	chr23	23374179	23374655	99142	Intergenic	NM_001003830	noc2l	4.158322191	6.913024006	-2.754701815	9.72E-07
peak_19426	chr10	36253944	36254321	-27008	Intergenic	NM_001004619	styxl1	2.797003394	5.551711567	-2.754708174	2.97E-05
peak_16850	chr24	24202404	24203201	76530	Intergenic	NM_001075111	hnf4g	5.142811937	7.897579775	-2.754767838	6.48E-06
peak_10870	chr9	29196934	29198126	59353	Intergenic	NM_201499	idh1	4.835289348	7.590219265	-2.754929916	4.28E-08
peak_16548	chr22	25155447	25155696	-31152	Intergenic	NR_102278		2.800163388	5.555167312	-2.755003924	5.42E-06
peak_11088	chr6	3387775	3388120	-6844	Intergenic	NM_001017625	dmbx1b	3.395609492	6.150713654	-2.755104162	5.40E-08
peak_35071	chr21	5394540	5395002	-13674	exon (NM_173226, exon 11 of 22)	NM_001037574	zgc:122979	1.961605146	4.71685299	-2.755247844	0.006991
peak_23088	chr23	33242487	33242750	-261326	Intergenic	NR_029935		2.868163296	5.623642458	-2.755479161	0.000175

peak_15012	chr9	11764146	11764678	-43845	Intergenic	NM_001003508	cdk5r2b	5.309300372	8.065260066	-2.755959694	1.81E-06
peak_26715	chr4	6324696	6325020	66125	intron (NM_001166228, intron 22 of 51)	NM_001166228	dock4b	2.862128275	5.6182579	-2.756129624	0.000704
peak_37232	chr5	71757567	71757877	23155	intron (NM_001171066, intron 6 of 9)	NM_001171066	sftpbb	-0.360322949	2.395918035	-2.756240984	0.011076
peak_24440	chr9	32047117	32047498	94286	intron (NM_001080673, intron 3 of 10)	NM_001099241	gpr183	2.096540606	4.852797331	-2.756256725	0.000309
peak_25479	chr7	65603078	65603703	-33299	Intergenic	NM_200380	chmp5b	3.365936857	6.122376389	-2.756439532	0.000461
peak_11876	chr24	4530119	4530556	-2379	Intergenic	NM_130918	fzd8a	3.6900456	6.44723613	-2.75719053	1.19E-07
peak_17715	chr3	44328763	44329083	-37196	Intergenic	NM_001002533_1	rab11fip4a	2.563403173	5.320882854	-2.75747968	1.14E-05
peak_27222	chr16	8962233	8962594	39223	Intergenic	NM_001077532	cnot10	2.784293744	5.541974336	-2.757680591	0.000839
peak_14249	chr5	42107872	42108929	-2260	Intergenic	NM_001020676	ndufs4	4.754371579	7.512084167	-2.757712588	1.02E-06
peak_8913	chr12	38687849	38688594	149294	Intergenic	NM_001040355	pmp22b	4.814298329	7.572321112	-2.758022783	3.71E-09
peak_9667	chr2	27585814	27586374	34624	Intergenic	NM_001076593	zgc:153394	4.964424746	7.722733171	-2.758308425	1.04E-08
peak_19918	chr3	9250082	9250421	-156110	Intergenic	NM_131836_1	sim2	3.357381403	6.115814538	-2.758433135	3.92E-05
peak_19562	chr9	40642807	40643249	-386532	Intergenic	NM_001161762_1	si:zfos-1425h8.1	2.950271315	5.709375614	-2.759104299	3.21E-05
peak_7226	chr1	26140042	26141454	62204	intron (NM_001122755, intron 4 of 6)	NM_001122755	bnc2	7.564844726	10.32434827	-2.759503541	2.70E-10
peak_31772	chr10	14587876	14588266	-1437	Intergenic	NM_001045421	zgc:153395	2.234016866	4.993598141	-2.759581275	0.003248
peak_7449	chr18	38805493	38806404	108	intron (NM_001017885, intron 1 of 8)	NM_001017885	chrna5	5.36599906	8.126086549	-2.760087489	3.99E-10
peak_10021	chr18	45994871	45995800	247250	Intergenic	NM_199925	zgc:77304	5.344452335	8.104775047	-2.760322711	1.60E-08
peak_8371	chr8	13523776	13524499	2825	intron (NM_001077294, intron 2 of 12)	NM_001077294	dennd2da	5.669432795	8.429933127	-2.760500332	1.75E-09
peak_13333	chr9	55062076	55062521	-39900	Intergenic	NM_001009888	sox21b	4.334678924	7.095227646	-2.760548722	4.83E-07
peak_11418	chr1	28672857	28673363	31077	intron (NM_001128244, intron 5 of 15)	NM_001161351	alg11	3.539021661	6.299579829	-2.760558167	7.55E-08
peak_22917	chr24	21846957	21847538	20150	intron (NM_001005393, intron 3 of 18)	NM_001005393	boc	3.831388386	6.592031941	-2.760643555	0.000163
peak_14558	chr22	38627652	38628310	236336	Intergenic	NM_001113587	hykk.2	4.672859448	7.433533323	-2.760673875	1.30E-06
peak_14272	chr23	28869554	28870001	44020	intron (NM_131361, intron 1 of 28)	NM_131361	nadl1.2	3.722150645	6.482960568	-2.760809923	1.04E-06
peak_21314	chr5	51968394	51968912	-147106	Intergenic	NM_200418	fam172a	2.984009138	5.744834411	-2.760825273	7.78E-05
peak_15824	chr13	28437681	28438346	49445	intron (NM_001077778, intron 2 of 9)	NM_001077778	smap1	3.732111944	6.493285284	-2.76117334	3.32E-06
peak_13851	chr17	30445700	30446404	-63289	Intergenic	NM_001044353	lpin1	3.678071896	6.439281625	-2.761209728	7.42E-07
peak_25506	chr4	9286860	9287241	-144083	Intergenic	NM_001082867	kcnd2	3.057306726	5.818685215	-2.761378489	0.000464
peak_16936	chr4	4938576	4939273	26516	intron (NM_201340, intron 1 of 16)	NM_201340	ahcyl2	4.293658114	7.055305528	-2.761647415	6.81E-06
peak_12663	chr25	23317497	23317995	7094	intron (NM_001045312, intron 2 of 16)	NM_001045312	stra6	5.008241155	7.770328009	-2.762086854	2.53E-07
peak_16501	chr7	16887119	16887554	-88160	Intergenic	NM_001017638	elp4	3.782603938	6.544997481	-2.762393543	5.27E-06
peak_14134	chr13	26666225	26667278	-261087	Intergenic	NM_212982	fancl	5.379265637	8.141801328	-2.76253569	9.37E-07
peak_10366	chr15	37154008	37154470	234632	Intergenic	NM_001044799	stim1a	4.275608918	7.038180147	-2.762571229	2.34E-08
peak_20156	chr24	10806705	10807295	41533	Intergenic	NM_001017844	chmp4c	2.247969535	5.010999188	-2.763029653	4.48E-05
peak_33024	chr23	14011682	14011904	-59399	Intergenic	NM_213334	naa10	0.234016866	2.997156728	-2.763139861	0.004423
peak_23526	chr1	13535066	13535457	53092	Intergenic	NR_048926		2.708761012	5.472217053	-2.763456041	0.000209
peak_22212	chr16	31491976	31492295	13239	Intergenic	NM_200071	rhbg	2.650222256	5.413917438	-2.763695182	0.00012
peak_23295	chr2	45608151	45608535	-42359	Intergenic	NM_200438	gpsm2	2.537128982	5.300849599	-2.763720617	0.00019
peak_17064	chr7	22557044	22557425	115615	Intergenic	NM_001017564	zgc:113025	3.109335453	5.873118265	-2.763782813	7.30E-06
peak_32624	chr21	17963490	17963891	77657	Intergenic	NM_001002475	nkx6.1	1.618352549	4.382220101	-2.763867552	0.004
peak_8846	chr15	27119482	27120386	-60697	Intergenic	NM_131216	lhx1a	5.629916529	8.394048415	-2.764131886	3.40E-09
peak_31563	chr16	57931765	57932100	12830	intron (NM_001076751, intron 3 of 13)	NM_001076751	clk2b	2.31603542	5.080185902	-2.764150482	0.003051
peak_36242	chr7	64422570	64423056	869169	Intergenic	NM_131287	sox17	2.862128275	5.626420973	-2.764292698	0.009007
peak_8014	chr20	35343028	35343637	63288	Intergenic	NM_200108_1	znf395	5.818612586	8.583107299	-2.764494713	9.80E-10
peak_29678	chr24	4178126	4178598	48230	Intergenic	NM_201461	klf6a	3.742100794	6.506836139	-2.764735345	0.001851
peak_23465	chr6	52883580	52884419	7065	Intergenic	NM_001128387	or137-2	4.361665472	7.126410178	-2.764744706	0.000203
peak_30368	chr19	22209331	22209879	-10715	Intergenic	NM_001159669	LOC100003866	3.822182324	6.587116374	-2.764934049	0.002233
peak_12929	chr3	15007590	15008264	8833	exon (NM_212684, exon 10 of 24)	NM_212684	atxn2l	3.585656064	6.350850921	-2.765194856	3.26E-07
peak_7371	chr6	15665057	15665749	2928	intron (NM_001098731, intron 1 of 17)	NM_001098731	iqca1	5.435871685	8.201192589	-2.765320904	3.45E-10
peak_19545	chr6	43052726	43053390	-29583	Intergenic	NM_001130694	lrrn1	3.708761012	6.474147423	-2.765386411	3.18E-05
peak_37331	chr16	47757446	47757833	16012	Intergenic	NM_001083823	cd22	2.664163689	5.429571902	-2.765408214	0.011282
peak_11927	chr23	289119	289587	-35999	Intergenic	NM_001002548	taf11	3.678071896	6.443582489	-2.765510593	1.26E-07
peak_15917	chr13	26158987	26159447	82120	Intergenic	NM_001040391	bcl11aa	3.324838852	6.090492642	-2.765653789	3.55E-06
peak_15514	chr19	6933080	6933856	74367	Intergenic	NM_131684	atp1a3a	4.35851614	7.124260504	-2.765744364	2.65E-06
peak_25856	chr8	18047255	18047635	-11599	Intergenic	NM_130935	skia	0.625495796	3.391436316	-2.76594052	0.000523
peak_29693	chr8	48856232	48856618	-33266	Intergenic	NM_001083856	tas1r2.2	0.625495796	3.391666082	-2.766170286	0.001859
peak_8891	chr8	8501465	8502031	-89171	Intergenic	NM_001111186	abcd1	5.15770641	7.923915031	-2.766208621	3.60E-09
peak_20723	chr14	49595961	49596575	-44225	Intergenic	NM_001115143	prom1a	3.941712126	6.707933304	-2.766221178	5.92E-05
peak_9102	chr10	27931995	27932677	200723	Intergenic	NM_152948	cxadr	4.832205444	7.598620079	-2.766414635	4.85E-09
peak_24265	chr23	22441391	22441671	-16611	Intergenic	NM_152958	phc2a	2.570823028	5.337439803	-2.766616776	0.00029
peak_23225	chr5	51556184	51556606	28822	intron (NM_200418, intron 6 of 6)	NM_131180	nr2f1a	2.712120089	5.478837225	-2.766717136	0.000185
peak_7572	chr21	28792590	28793125	5759	Intergenic	NM_001002076	fabp6	5.561103788	8.327822627	-2.766718838	4.92E-10
peak_14658	chr18	11161145	11161665	339079	Intergenic	NM_001013335	zgc:110789	4.677212817	7.444155733	-2.766942916	1.41E-06
peak_14725	chr6	26073770	26074426	51406	Intergenic	NM_001037227	dzip1l	4.720483721	7.487433138	-2.766949416	1.48E-06
peak_18498	chr19	530705	531315	64869	Intergenic	NM_001001730	cyp51	4.294844074	7.062490304	-2.76764623	1.78E-05
peak_22192	chr7	37040410	37040800	-69851	Intergenic	NM_001023575	irx6a	3.414290115	6.18195615	-2.767666035	0.000118
peak_28861	chr24	14743135	14743400	37308	Intergenic	NM_001159977	pi15a	0.639677051	3.407433025	-2.767755974	0.001449
peak_11511	chr17	10859515	10859932	-6686	Intergenic	NM_001258228	si:ch211-185a18.	3.637911999	6.405936691	-2.768024693	8.30E-08
peak_20539	chr5	8155602	8156299	23878	intron (NM_212640, intron 3 of 9)	NM_212640	slc1a3a	4.052091935	6.820407273	-2.768315338	5.39E-05
peak_12178	chr3	16235918	16236270	3539	intron (NM_001098755, intron 1 of 12)	NM_001098755	slc17a7	3.602044119	6.370497988	-2.768453869	1.59E-07
peak_41415	chr2	48761900	48762161	187737	Intergenic	NM_001100058	LOC797092	-0.360322949	2.408624305	-2.768947254	0.022659
peak_13540	chr23	1875767	1876208	150405	Intergenic	NM_001076663	rabggta	3.236351702	6.005340984	-2.768989282	5.71E-07
peak_16066	chr13	35398337	35398743	-162273	Intergenic	NM_131863	jag1b	2.342286181	5.111275472	-2.768989291	3.93E-06
peak_21279	chr3	22666985	22667312	27373	Intergenic	NM_001204250	zgc:194167	2.247969535	5.017135136	-2.769165601	7.66E-05
peak_11919	chr22	35255123	35255627	100203	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	4.075753794	6.844986722	-2.769232928	1.24E-07
peak_10221	chr11	19303470	19303981	10268	intron (NM_001007063, intron 1 of 21)	NM_001007063	magi1b	4.879411363	7.648669798	-2.769258435	1.99E-08
peak_33515	chr23	25120586	25120854	44176	Intergenic	NM_001045857	olfml3a	2.075829856	4.845116065	-2.769286209	0.00494
peak_9636	chr11	37585824	37586425	-32278	Intergenic	NM_001005312	parapinopsinb	5.140320568	7.909689697	-2.769369129	9.98E-09
peak_12009	chr9	55074800	55075488	-27054	Intergenic	NM_001009888	sox21b	5.216975347	7.986544943	-2.769569596	1.36E-07
peak_15568	chr23	36179921	36180752	-1209	intron (NM_001134685, intron 2 of 4)	NR_034190		4.152152513	6.921876932	-2.769724419	2.74E-06
peak_10527	chr10	13481037	13481599	-120835	intron (NM_001098242, intron 6 of 8)	NM_001099446	LOC556326	4.495710279	7.265457656	-2.769747377	2.80E-08
peak_17045	chr13	48914639	48914892	-128445	Intergenic	NM_001098262	zmp:000000113	2.793836463	5.563613238	-2.769776775	7.22E-06
peak_10439	chr2	29466926	29467412	41567	Intergenic	NM_207641	ptf1a	4.290291045	7.060137756	-2.76984671	2.54E-08
peak_16183	chr14	40930076	40930637	-402796	Intergenic	NM_131782	glra4a	4.525664779	7.29561087	-2.769946091	4.23E-06
peak_24271	chr24	43335918	43336198	83911	intron (NM_001018133, intron 2 of 9)	NM_001018133	ptprma	2.614767619	5.384787789	-2.77002017	0.00029
peak_17006	chr8	51186181	51186497	-16409	exon (NM_183340, exon 11 of 13)	NM_200675	rer1	2.559678887	5.329798805	-2.770119918	7.06E-06
peak_15106	chr7	56864058	56864601	32259	intron (NM_001080641, intron 10 of 14)	NM_001080641	galns	4.401863281	7.172136906	-2.770273625	1.96E-06
peak_9724	chr18	45250709	45251459	-78775	Intergenic	NM_001282486	dner	5.451058288	8.221565704	-2.770507416	1.12E-08
peak_8241	chr17	41564563	41565451	-14651	Intergenic	NM_199658	insm1b	5.757196092	8.527729713	-2.77053362	1.44E-09
peak_7073	chr20	45133901	45135018	430635	Intergenic	NM_001013534	zgc:103511	6.457105967	9.227639835	-2.770533868	2.00E-10
peak_6565	chr2	53059936	53061192	23753	intron (NM_130911, intron 1 of 6)	NM_130911	chico	8.130422992	10.90107882	-2.770655831	7.58E-11
peak_8577	chr15	29119522	29120018	-24907	intron (NM_001076633, intron 10 of 10)	NR_030050		5.642320587	8.413109201	-2.770788614	2.30E-09
peak_37050	chr13	30553953	30554743	102625	Intergenic	NM_201216	rps24	-0.360322949	2.410609756	-2.770932705	0.010664
peak_37051	chr4	51084986	51085185	-10479	Intergenic	NM_001109839_1	zgc:173617	-0.360322949	2.410609756	-2.770932705	0.010664
peak_6549	chr24	39466386	39467834	-8102	Intergenic	NM_001009983	metrn	7.52829426	10.29935159	-2.771057331	7.35E-11
peak_24436	chr17	32701304	32701678	-4719	Intergenic	NM_201484	ywhaqb	2.751830549	5.522961689	-2.77113114	0.000309
peak_34261	chr25	5848058	5848309	5730	intron (NM_001197316, intron 1 of 24)	NM_001197316	plxnb2b	1.426730103	4.198239821	-2.771509718	0.005852
peak_19907	chr5	55617932	55618259	175571	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	2.342286181	5.113874967	-2.771588787	3.90E-05
peak_37272	chr20	17493894	17494115	-292017	Intergenic	NM_131081	cdh2	0.234016866	3.005667361	-2.771650495	0.01116
peak_22248	chr10	1817286	1817736	36895	intron (NM_131223, intron 2 of 23)	NM_131223	epb41l4a	3.268781826	6.040465847	-2.771684021	0.000122
peak_13767	chr10	22019281	22019793	6416	intron (NM_001024126, intron 1 of 3)	NM_001024126	pcdh1g30	3.963015635	6.734760107	-2.771744473	6.90E-07
peak_19984	chr7	67153199	67153547	-135009	Intergenic	NM_001083583	ctr9	2.537128982	5.309198798	-2.772069816	4.08E-05
peak_32414	chr13	30480541	30480933	29014	Intergenic	NM_201216	rps24	3.988171427	6.76040488	-2.772233453	0.003801
peak_35518	chr3	33178462	33178719	-68086	Intergenic	NM_001039980	casp6l2	0.625495796	3.398119873	-2.772624077	0.007703
peak_23110	chr17	19300804	19301211	-7501	Intergenic	NM_001161453	dicer1	3.410159719	6.182990883	-2.772831164	0.000177
peak_20445	chr23	31650166	31650719	6312	intron (NM_001002197, intron 1 of 3)	NM_001002197	sh3bgrl2	3.416350887	6.189276917	-2.77292603	5.16E-05

peak_8154	chr23	40969187	40970357	-159513	Intergenic	NM_199854	rnf146	5.180352461	7.953402534	-2.773050073	1.23E-09
peak_9527	chr17	37102581	37103110	1322	intron (NM_001018149, intron 1 of 12)	NM_001018149	dpysl5a	4.615612369	7.38871858	-2.773106212	8.63E-09
peak_12569	chr22	24692450	24692880	-140615	intron (NM_001017710, intron 6 of 7)	NR_029937		4.498630944	7.272025893	-2.773394949	2.33E-07
peak_16978	chr10	18572734	18573151	-336134	Intergenic	NM_199776	ppp2r2d	3.378798964	6.152223884	-2.773424921	6.95E-06
peak_6871	chr7	52559508	52560289	1302	intron (NM_001123230, intron 1 of 48)	NM_001123230	col4a5	6.177925137	8.951379692	-2.773454555	1.33E-10
peak_9138	chr16	49925833	49927048	34224	Intergenic	NM_200123	rab11al	6.603653896	9.377407185	-2.773753289	5.06E-09
peak_10009	chr12	18394428	18395038	96978	Intergenic	NM_001001822	ptenb	4.095254858	6.869215494	-2.773960636	1.58E-08
peak_14419	chr4	10350240	10350699	-25405	Intergenic	NM_131060	sema3aa	3.096540606	5.870588993	-2.774048387	1.18E-06
peak_10555	chr1	49003651	49004014	675106	Intergenic	NM_001077556	ccdc147	3.890572412	6.66465082	-2.774078409	2.90E-08
peak_11525	chr7	39207350	39208083	-3438	Intergenic	NM_001166272	adcy7	5.336280683	8.110645076	-2.774364392	8.41E-08
peak_32287	chr3	17138734	17139450	-42127	Intergenic	NM_001077392	hcrt	3.523698724	6.298139195	-2.774440471	0.00368
peak_26770	chr1	8646902	8647577	58550	Intergenic	NR_033478		3.5783123	6.352853366	-2.774541066	0.000721
peak_7443	chr11	43085700	43086732	-3689	Intergenic	NM_182875	her15.1	6.416653319	9.191384224	-2.774730904	3.91E-10
peak_15610	chr9	46319854	46320420	258501	Intergenic	NM_001040004	retsatl	4.115764558	6.890734917	-2.774970359	2.81E-06
peak_13001	chr19	46475055	46475497	-391455	Intergenic	NM_001083814	ptpro	3.732111944	6.507126978	-2.775015033	3.53E-07
peak_11897	chr20	38930194	38931056	-303	promoter-TSS (NR_030060)	NR_030060		5.073181882	7.848204984	-2.775023102	1.22E-07
peak_15644	chr13	45042520	45043134	315321	Intergenic	NM_001030175	zfand3	4.614715268	7.389831041	-2.775115774	2.90E-06
peak_22289	chr24	43471286	43471793	21290	intron (NM_001034986, intron 3 of 52)	NM_001034986	lama1	2.537128982	5.312327577	-2.775198595	0.000124
peak_28571	chr20	14192829	14193260	164012	Intergenic	NM_001037383	zgc:123261	1.812734601	4.587948507	-2.775213906	0.00132
peak_12224	chr19	2102346	2102724	-18106	intron (NM_198819, intron 27 of 28)	NM_001144806	LOC792465	3.391425188	6.16667822	-2.775253032	1.67E-07
peak_13401	chr8	50457579	50457995	-304470	Intergenic	NM_001128741	zgc:195023	3.958780025	6.73403404	-2.775254016	5.11E-07
peak_9133	chr8	16872843	16874092	52373	intron (NM_212973, intron 8 of 18)	NM_212973	faf1	5.466086692	8.241843261	-2.77575657	5.02E-09
peak_7960	chr2	33702905	33704857	7258	intron (NM_130988, intron 2 of 19)	NM_130988	ptch2	6.330571111	9.106330132	-2.775759021	8.96E-10
peak_20327	chr7	12743728	12744277	140591	Intergenic	NM_001080993	mex3b	4.14960497	6.925437851	-2.775832882	4.90E-05
peak_6380	chr6	964149	965889	-8038	Intergenic	NM_001245966	zeb2b	7.010449723	9.786303036	-2.775853313	5.33E-11
peak_35861	chr14	17926778	17927168	6260	Intergenic	NM_001110291	olfcj1	-0.360322949	2.41562392	-2.775946869	0.00831
peak_7457	chr13	28260210	28260880	85255	intron (NM_001077778, intron 7 of 9)	NM_001003454	b3gat2	5.631691385	8.408035304	-2.776343919	4.02E-10
peak_20912	chr16	26619547	26620500	137309	intron (NM_001007428, intron 1 of 7)	NM_001007428	cadm4	4.157090365	6.933535955	-2.77644559	6.44E-05
peak_11132	chr18	30391871	30393100	6467	intron (NM_001080807, intron 1 of 14)	NM_001080807	gse1	7.481727091	10.25818827	-2.776461176	5.66E-08
peak_17933	chr7	9218291	9218551	-3732	intron (NM_001020496, intron 1 of 4)	NM_001130647	zgc:194686	1.818979367	4.595485481	-2.776506114	1.31E-05
peak_18758	chr4	9513411	9513776	82460	intron (NM_001082867, intron 1 of 5)	NM_001082867	kcnd2	2.653720264	5.430338364	-2.7766181	2.06E-05
peak_16848	chr7	35098401	35098866	-80360	Intergenic	NM_131780	gro1	3.08363127	5.860274489	-2.776643218	6.48E-06
peak_9808	chr24	6739586	6740251	-280841	Intergenic	NM_131774	anxa13	4.027956891	6.804640035	-2.776683144	1.25E-08
peak_14874	chr8	48414434	48414715	42808	intron (NM_001077211, intron 20 of 58)	NM_001006073	angptl7	2.964424746	5.74114094	-2.776716194	1.65E-06
peak_14719	chr16	49284959	49285545	15056	Intergenic	NM_001003557	bola1	5.181599935	7.958597989	-2.776998054	1.48E-06
peak_8068	chr19	1206383	1207722	-38738	Intergenic	NM_001113601	scrt1a	5.657260644	8.434362636	-2.777101992	1.08E-09
peak_28893	chr23	23592806	23593767	102119	Intergenic	NM_131873	her9	4.023829128	6.801018623	-2.777189496	0.001463
peak_8039	chr14	45119929	45121284	245230	Intergenic	NM_182885	pcdh10b	6.083593445	8.860842369	-2.777248923	1.03E-09
peak_17812	chr24	5219789	5220203	-97477	Intergenic	NM_001007377	plod2	3.701920745	6.479253732	-2.777332987	1.21E-05
peak_15906	chr5	60819776	60820293	-9908	Intergenic	NM_001020466	nup88	4.350931353	7.128513299	-2.777581946	3.52E-06
peak_9573	chr17	21236901	21237762	10937	intron (NM_182878, intron 1 of 13)	NM_182878	atp6v1ba	5.945620581	8.723399925	-2.777779344	9.25E-09
peak_11788	chr5	36249316	36249883	-15076	Intergenic	NM_001114845	hexa	4.764113611	7.542301732	-2.778188121	1.08E-07
peak_27295	chr7	23568518	23568776	1792	intron (NM_001012380, intron 1 of 4)	NM_001012380	fgf11a	1.243333623	4.02158847	-2.778254847	0.000858
peak_17677	chr3	25110901	25111423	23750	Intergenic	NM_001017853	cbx7a	3.944570835	6.722938525	-2.77836769	1.11E-05
peak_12359	chr15	14578328	14578679	42876	intron (NM_205762, intron 1 of 7)	NM_205762	traf4a	3.340116769	6.118717221	-2.778600451	1.91E-07
peak_20944	chr13	10934686	10935220	158845	intron (NM_001197201, intron 4 of 14)	NM_001197201	akt3a	1.44299439	4.221680782	-2.778686392	6.52E-05
peak_10825	chr16	34021134	34021503	-2813	Intergenic	NM_131500	wnt4b	4.100390989	6.879117453	-2.778726464	3.99E-08
peak_15165	chr9	1582793	1583293	46269	intron (NM_200113, intron 19 of 19)	NM_200113	agps	4.196066283	6.97499928	-2.778932996	2.04E-06
peak_7493	chr5	37934288	37935745	-6165	Intergenic	NM_131805	efnb1	6.526141958	9.305413539	-2.779271581	4.27E-10
peak_13569	chr22	16253621	16254088	9957	intron (NM_001007386, intron 4 of 6)	NM_001007386	dph5	3.229335828	6.008650712	-2.779314884	5.88E-07
peak_40700	chr16	23721890	23722288	-54908	Intergenic	NM_001045163_1	si:ch211-154o6.2	-0.360322949	2.419048242	-2.779371191	0.02022
peak_7538	chr11	37032751	37034011	12089	intron (NM_001287547, intron 1 of 4)	NM_001287547	grm7	5.354728731	8.134674088	-2.779945357	4.69E-10
peak_21630	chr15	22441417	22441818	118493	Intergenic	NM_001111210	ccdc153	1.831388386	4.611349929	-2.779961543	9.12E-05
peak_6881	chr12	37540582	37541665	9692	intron (NM_131724, intron 1 of 12)	NM_131724	map2k6	7.510155343	10.29022689	-2.780071543	1.37E-10
peak_38324	chr13	37369754	37370394	10122	intron (NM_001020816, intron 1 of 13)	NM_001020816	frmd6	-0.360322949	2.419940453	-2.780263402	0.013581
peak_8760	chr19	21364428	21365194	81006	Intergenic	NM_214704	cndp2	5.323160258	8.103478941	-2.780318683	2.97E-09
peak_33795	chr11	31895098	31895438	205861	Intergenic	NM_001014332	man2b1	0.215200887	2.995582105	-2.780381218	0.00525
peak_15859	chr9	56820385	56820786	-41811	Intergenic	NM_001013334	gpm6bb	4.239846886	7.020273381	-2.780426495	3.42E-06
peak_38885	chr10	3999390	3999597	-54585	Intergenic	NM_200920	pitpnb	-0.360322949	2.42033349	-2.780656439	0.01496
peak_15913	chr7	19974007	19974812	-103636	Intergenic	NM_001109707	coro1b	5.282436812	8.063195253	-2.780758441	3.54E-06
peak_9029	chr13	13411257	13412167	-27853	Intergenic	NM_198916	foxi2	5.585629356	8.366582696	-2.780953341	4.36E-09
peak_19406	chr4	13097857	13098206	-60294	Intergenic	NM_001030098	prickle1b	3.410159719	6.191632918	-2.781473199	2.94E-05
peak_18197	chr25	56365	57148	-15882	intron (NM_180969_1, intron 1 of 10)	NM_001033096	aqp9a	5.206891094	7.988488816	-2.781597722	1.52E-05
peak_37247	chr24	6275976	6276351	-33851	intron (NM_205579, intron 23 of 38)	NM_001017708	gad2	1.787481669	4.569211577	-2.781729908	0.011106
peak_16653	chr7	73130655	73130968	240736	Intergenic	NM_001020693_1	gba3	2.64320069	5.425431038	-2.782230347	5.76E-06
peak_26208	chr12	21561355	21561784	-127011	Intergenic	NM_001082834	zgc:163057	2.205700064	4.98812696	-2.782426896	0.000591
peak_8380	chr24	29419008	29419584	-58943	Intergenic	NM_200595	fbxo45	5.486884036	8.269595694	-2.782711658	1.78E-09
peak_10274	chr22	31344953	31345783	-8271	Intergenic	NR_030119		5.509800523	8.293079142	-2.783278619	2.14E-08
peak_23951	chr2	9967889	9968320	13174	Intergenic	NM_178163	dmbx1a	3.412226395	6.195622173	-2.783395778	0.000251
peak_16833	chr2	25307973	25309018	-218132	Intergenic	NM_001159832	fndc3ba	5.260742381	8.044383679	-2.783641297	6.42E-06
peak_10571	chr9	6472226	6472787	-51034	intron (NM_200997, intron 1 of 3)	NM_001017697	ecrg4a	4.138412798	6.922104491	-2.783691693	2.97E-08
peak_7713	chr13	29360887	29361479	9170	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	6.060003196	8.843978116	-2.78397492	6.13E-10
peak_39567	chr15	25830109	25830551	45000	Intergenic	NM_199811	rpa1	0.215200887	2.999352882	-2.784151995	0.016799
peak_11909	chr24	5718933	5719604	56067	Intergenic	NM_001114926	dia1b	5.139660669	7.924153325	-2.784492656	1.23E-07
peak_9404	chr5	34323975	34324611	-84850	Intergenic	NM_199754	ier5l	4.827567192	7.612090211	-2.784523019	7.42E-09
peak_18734	chr16	31083720	31084371	149	5' UTR (NM_001162531, exon 1 of 4)	NM_001162531	syt11b	4.42775201	7.212400275	-2.784648265	2.03E-05
peak_10689	chr7	70557374	70558120	-126652	Intergenic	NM_199682	ap1g1	4.317074445	7.101780667	-2.784706222	3.43E-08
peak_11005	chr11	7722375	7722889	-166260	Intergenic	NM_213367	eltd1	4.171803318	6.95670757	-2.784904252	4.95E-08
peak_39018	chr4	53097399	53097794	477250	Intergenic	NM_001114418	zgc:174704	-0.360322949	2.424693274	-2.785016223	0.015308
peak_6957	chr4	16101985	16102937	21619	intron (NM_001033585, intron 3 of 14)	NM_001033585	sox5	6.131530147	8.916819363	-2.785289216	1.57E-10
peak_10416	chr1	50296406	50297105	-24879	Intergenic	NM_131426	lef1	5.806046861	8.591421278	-2.785374417	2.48E-08
peak_12289	chr8	15565232	15565687	61502	intron (NM_001003634, intron 2 of 13)	NM_001003634	fnbp1l	5.118931489	7.904429761	-2.785498272	1.78E-07
peak_8659	chr25	22731200	22731710	-99527	Intergenic	NM_001098250	sigirr	4.728799148	7.514390235	-2.785591088	2.53E-09
peak_16153	chr7	41820002	41820605	-57880	intron (NM_001128667, intron 12 of 22)	NR_030097		3.380911023	6.166853015	-2.785941992	4.15E-06
peak_14939	chr21	3065082	3065529	134636	Intergenic	NM_213302	hnrnpabb	4.26992192	7.056046236	-2.786124316	1.72E-06
peak_24585	chr2	49980529	49980898	-7187	Intergenic	NM_001277094	rorcb	3.049361258	5.835510451	-2.786149193	0.000328
peak_24391	chr6	5778625	5778991	386866	Intergenic	NM_001201446	rtn4a	3.075829856	5.862085986	-2.78625613	0.000304
peak_6383	chr6	928996	929661	27653	intron (NM_001245966, intron 4 of 8)	NM_001245966	zeb2b	5.988232044	8.774776096	-2.786544052	5.36E-11
peak_13038	chr21	8904846	8905351	-7440	exon (NM_001089543, exon 43 of 46)	NM_173230	sdad1	4.375563276	7.162152769	-2.786589493	3.67E-07
peak_8016	chr2	4685938	4686916	70298	Intergenic	NM_001009917	tfr1a	5.947759346	8.734399248	-2.786639902	9.82E-10
peak_8822	chr5	43635817	43636481	20670	intron (NM_001256655, intron 2 of 7)	NM_001256655	pigl	6.865681619	9.652327768	-2.786646149	3.30E-09
peak_23455	chr17	16600934	16601229	4555	intron (NM_001033743, intron 1 of 6)	NM_001033743	ston2	2.086222395	4.872931712	-2.786709317	0.000202
peak_8977	chr13	24542671	24543463	-7547	Intergenic	NM_001126381	rab4a	6.148401839	8.935247887	-2.786846048	4.06E-09
peak_18719	chr25	12827327	12827950	-18016	Intergenic	NM_001122750	smpd3	4.017134431	6.804244507	-2.787110076	2.02E-05
peak_12082	chr10	42977451	42977941	-153077	Intergenic	NM_001110035	rnf34b	4.307113146	7.09430591	-2.787192764	1.44E-07
peak_25220	chr11	24407106	24407321	-150640	Intergenic	NM_001113489	kiss1	1.625495796	4.412711881	-2.787216085	0.000419
peak_8431	chr13	18894046	18894995	-10269	Intergenic	NM_001145606	lzts2a	6.02964059	8.816914782	-2.787274192	1.92E-09
peak_6733	chr5	16175793	16176712	28285	Intergenic	NM_001082823	si:ch211-244o22.	7.002564161	9.78988035	-2.787316189	1.06E-10
peak_15277	chr20	34932161	34932610	-5292	Intergenic	NM_131435	snap25a	4.118298658	6.905814884	-2.787516225	2.22E-06
peak_19317	chr15	9670427	9671332	88231	Intergenic	NM_001130789	zgc:193616	4.42775201	7.21537455	-2.78762254	2.80E-05
peak_6550	chr8	15028138	15029612	-27492	intron (NM_001128364, intron 11 of 11)	NM_001122973	lhx4	7.949089276	10.73710973	-2.78802045	7.36E-11
peak_32221	chr16	9855318	9855728	108306	intron (NM_001289913, intron 8 of 13)	NM_001289913	cobl	1.426730103	4.215171103	-2.788441	0.003615
peak_7780	chr5	8550930	8551757	-7817	Intergenic	NM_001002654	pdlim5a	5.352039769	8.140949987	-2.788910218	6.72E-10
peak_7992	chr2	32273265	32273968	19184	Intergenic	NM_213298	tmub1	5.480004005	8.268999184	-2.788995179	9.45E-10
peak_9171	chr2	18694705	18695656	-36315	Intergenic	NR_030086		4.882396095	7.671424857	-2.789028762	5.29E-09

peak_38926	chr16	9504511	9504907	64862	Intergenic	NM_001012384	pomgnt2	2.912638768	5.701696298	-2.789057531	0.015059
peak_22807	chr21	14141042	14141482	-9183	Intergenic	NM_131218	lhx5	3.664264861	6.453325736	-2.789060875	0.000154
peak_13652	chr25	2731038	2731796	-68516	Intergenic	NM_001079965	adpgk	5.07640556	7.86549538	-2.789089819	6.33E-07
peak_27597	chr7	49359035	49359375	348999	Intergenic	NM_131427	cpeb1b	2.359525028	5.148882794	-2.789357766	0.000958
peak_21918	chr19	40820345	40820689	-165870	Intergenic	NM_213278	sfpq	2.247969535	5.03733543	-2.789365894	0.000105
peak_28877	chr16	14600138	14600954	36623	Intergenic	NM_001029956	u2af2a	4.173093754	6.962613362	-2.789519609	0.001454
peak_8604	chr21	3585404	3585783	103776	Intergenic	NM_175082	smad7	4.30933272	7.098972821	-2.789640102	2.39E-09
peak_18145	chr16	23109518	23109986	12693	Intergenic	NM_001110396	snx10b	3.300368768	6.090139092	-2.789770325	1.48E-05
peak_6763	chr14	24466097	24466900	-102567	Intergenic	NM_001039461	med12	5.998261256	8.788493185	-2.790231929	1.11E-10
peak_36159	chr1	39971276	39971705	64754	intron (NM_130968, intron 2 of 28)	NM_130968	tenm3	1.984009138	4.774258679	-2.790249542	0.008857
peak_16773	chr18	12066789	12067263	-5741	Intergenic	NM_001099985	hipk2	3.116958245	5.907421898	-2.790463653	6.22E-06
peak_14907	chr10	32382812	32383350	70115	intron (NM_131482, intron 6 of 26)	NM_131482	robo3	3.781005458	6.571520342	-2.790514884	1.69E-06
peak_20789	chr13	32250073	32250405	-88148	Intergenic	NM_173273	diexf	2.247969535	5.038502122	-2.790532587	6.08E-05
peak_11301	chr17	48539362	48540012	30874	Intergenic	NM_001201393_1	smoc1	5.846435854	8.636976813	-2.790540959	6.66E-08
peak_23101	chr19	34984669	34985264	-81658	Intergenic	NM_001076776	runx1t1	3.90099792	6.69181553	-2.79081761	0.000177
peak_22297	chr13	32512932	32513322	145155	Intergenic	NM_001006079	osr1	2.614767619	5.40566375	-2.790896131	0.000125
peak_19250	chr7	55922987	55923405	-12479	Intergenic	NM_001128270	LOC796180	3.981227592	6.772170701	-2.790943109	2.71E-05
peak_14222	chr5	51344401	51344751	-182997	Intergenic	NM_131180	nr2f1a	3.387228713	6.178198748	-2.790970036	1.00E-06
peak_37470	chr9	51819093	51819319	33727	intron (NM_001020575, intron 1 of 1)	NM_001020575	fign	0.944570835	3.735606952	-2.791036117	0.011609
peak_11137	chr13	35682370	35683356	11260	intron (NM_200411, intron 2 of 11)	NM_200411	slx4ip	4.416410954	7.207608822	-2.791197868	5.70E-08
peak_24987	chr18	38583644	38584192	-68171	Intergenic	NM_001017682	sema6dl	2.559678887	5.350906673	-2.791227786	0.000386
peak_14172	chr8	15023571	15024604	-22704	intron (NM_001128364, intron 11 of 11)	NM_001122973	lhx4	5.792577651	8.58387317	-2.791295519	9.67E-07
peak_11759	chr15	43234805	43235244	-86317	Intergenic	NM_001033752	cwf19l2	4.218747627	7.010149969	-2.791402342	1.04E-07
peak_24926	chr1	2034852	2035074	17730	intron (NM_001145604, intron 9 of 25)	NM_001145604	kpnb3	1.467052111	4.258461071	-2.79140896	0.000377
peak_15091	chr18	12068174	12068511	-7057	Intergenic	NM_001099985	hipk2	3.585656064	6.377169882	-2.791513818	1.94E-06
peak_8044	chr12	33369018	33369864	-30924	Intergenic	NM_001110373	habp2	6.428488184	9.220247979	-2.791759794	1.03E-09
peak_31465	chr13	9880152	9880779	-53886	Intergenic	NM_131362	six3a	3.188780911	5.980658074	-2.791877163	0.002969
peak_14616	chr4	24072670	24073089	78764	Intergenic	NM_131211	gata3	3.385125888	6.17722712	-2.792101232	1.37E-06
peak_8902	chr20	1560783	1561399	125424	Intergenic	NM_001100056	LOC796447	4.922181637	7.714323904	-2.792142267	3.64E-09
peak_6417	chr9	56791289	56792719	-13230	Intergenic	NM_001013334	gpm6bb	6.796375505	9.588607132	-2.792231626	5.74E-11
peak_41823	chr4	26184554	26187554	209561	Intergenic	NM_200523	creld2	-0.360322949	2.431948405	-2.792271355	0.024017
peak_41825	chr9	11216464	11217409	-43161	Intergenic	NM_214787	asic4a	-0.360322949	2.431948405	-2.792271355	0.024017
peak_41822	chr18	43596221	43596719	-17776	Intergenic	NM_001004538	gyltl1b	-0.360322949	2.431948405	-2.792271355	0.024017
peak_41824	chr6	305434	305828	5278	intron (NM_001199730, intron 1 of 3)	NM_001199730	cacng2b	-0.360322949	2.431948405	-2.792271355	0.024017
peak_41820	chr14	22929804	22930782	5358	intron (NM_200207, intron 7 of 10)	NM_200207	zgc:56197	-0.360322949	2.431948405	-2.792271355	0.024017
peak_41821	chr16	57648370	57648630	-28835	intron (NM_001039925, intron 11 of 11)	NM_001128260	zgc:172096	-0.360322949	2.431948405	-2.792271355	0.024017
peak_10115	chr14	50824579	50825006	-154260	Intergenic	NM_001002065_1	ppid	3.887604564	6.680020602	-2.792416038	1.76E-08
peak_12315	chr22	4061215	4061593	54507	Intergenic	NM_001013507_1	timm44	3.093967964	5.88650666	-2.792538696	1.82E-07
peak_8812	chr9	54374202	54374843	-159528	Intergenic	NM_001017360	xrcc5	5.111917952	7.904872282	-2.79295433	3.22E-09
peak_28708	chr16	8671478	8671784	-8859	Intergenic	NM_199515	prdm1a	2.219927938	5.012922176	-2.792994238	0.001372
peak_18450	chr13	9970725	9971209	-144388	Intergenic	NM_131362	six3a	3.329220506	6.122480467	-2.793259962	1.74E-05
peak_6947	chr7	74120418	74121662	186486	Intergenic	NM_001006020_1	ccdc149a	7.53615407	10.32997055	-2.793816482	1.55E-10
peak_5905	chr6	14841448	14843018	-7777	Intergenic	NM_201447	pou3f3b	8.037040264	10.83099076	-2.793950499	1.91E-11
peak_7042	chr22	21789807	21790803	8305	Intergenic	NM_001082925	s1pr3a	5.880882735	8.675247222	-2.794364487	1.85E-10
peak_29127	chr3	56625913	56626716	9207	intron (NM_131561, intron 4 of 10)	NM_131561	axin2	4.135986768	6.930388408	-2.794401639	0.001573
peak_13685	chr22	14065865	14066838	35301	intron (NM_205753, intron 4 of 5)	NM_205753	sh3bp4a	4.892837471	7.687456754	-2.794619283	6.49E-07
peak_15665	chr11	144840	145135	17087	Intergenic	NM_001200058_1	LOC100006857	3.782603938	6.577235768	-2.79463183	2.97E-06
peak_8079	chr9	38151083	38151687	-42760	Intergenic	NM_130967	gli2a	5.397175482	8.191828931	-2.794653448	1.09E-09
peak_7255	chr9	45089103	45090019	218368	Intergenic	NM_200921	ube2e3	6.529981478	9.324830433	-2.794848956	2.84E-10
peak_10590	chr17	52851318	52852019	198611	Intergenic	NM_001128292	prox2	5.137824888	7.932692288	-2.7948674	3.04E-08
peak_29929	chr1	59519684	59520115	8989	exon (NM_001034182, exon 8 of 9)	NM_001034182	sid4	2.986785331	5.78175808	-2.794972749	0.001983
peak_24778	chr14	8625593	8626108	-29406	Intergenic	NM_001082979	zgc:162144	4.522854181	7.317885473	-2.795031292	0.000357
peak_27580	chr8	29817654	29818120	69156	intron (NM_001004123, intron 1 of 15)	NM_001004123	grid2	1.831388386	4.626425437	-2.79503705	0.000952
peak_17411	chr15	37525598	37525926	20844	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	2.725478726	5.520844083	-2.795365357	9.20E-06
peak_25705	chr13	5051318	5051684	194445	Intergenic	NM_131893	meis1	3.006230172	5.802193019	-2.795962847	0.000496
peak_7276	chr14	18493375	18494136	-14329	3' UTR (NM_175576, exon 7 of 7)	NM_001077174	fut11	6.020505421	8.816485563	-2.795980142	2.94E-10
peak_11426	chr10	45034953	45035905	20838	Intergenic	NR_045221		4.986866231	7.783056165	-2.796189934	7.61E-08
peak_9877	chr5	67035838	67036494	99096	Intergenic	NM_001256818	dnm1b	5.069219889	7.865522168	-2.796302279	1.36E-08
peak_17537	chr8	14953325	14953949	47746	intron (NM_001025455, intron 7 of 7)	NM_001122973	lhx4	4.324838852	7.121153335	-2.796314483	1.01E-05
peak_15553	chr10	40937782	40938549	-252912	Intergenic	NM_001037674	smtlb	4.64320069	7.439870821	-2.796670131	2.71E-06
peak_24382	chr5	24708091	24708482	-44607	Intergenic	NM_001080033	zgc:158409	2.247969535	5.044805652	-2.796836117	0.000303
peak_29613	chr3	16790057	16790419	40996	intron (NM_194387, intron 1 of 21)	NM_194387	stat5.1	2.521897487	5.319411636	-2.797514149	0.001808
peak_24204	chr2	21815032	21815346	35717	intron (NM_001256694, intron 1 of 9)	NM_001256694	tox	2.981227592	5.778746449	-2.797518857	0.000281
peak_30631	chr21	32434179	32434493	-47672	Intergenic	NM_200026	rps14	2.10167217	4.899223545	-2.797551376	0.002386
peak_9238	chr3	3860595	3861030	86054	Intergenic	NM_001114556	zgc:171446	4.517048459	7.315210548	-2.798162089	5.81E-09
peak_11551	chr24	29424844	29425411	-58436	Intergenic	NM_001002206	abca4a	5.002725609	7.801130947	-2.798405337	8.66E-08
peak_16915	chr5	19244635	19245088	-314126	Intergenic	NM_001100015	chfr	3.106785545	5.90519789	-2.798412345	6.73E-06
peak_26635	chr1	41889950	41890257	43360	Intergenic	NM_200766	paip2b	2.471023015	5.269482091	-2.798459075	0.000684
peak_10898	chr3	37319889	37320288	-176725	Intergenic	NM_001024223	mlx	3.44299439	6.241508947	-2.798514557	4.43E-08
peak_43583	chr7	64645368	64646283	646157	Intergenic	NM_131287	sox17	-0.360322949	2.438268731	-2.79859168	0.03113
peak_11917	chr11	24671394	24671881	-61355	Intergenic	NM_001145767	nfasca	4.513202404	7.31219035	-2.798987947	1.24E-07
peak_11518	chr17	44270472	44271021	25349	Intergenic	NM_131251	otx2	5.184021089	7.983127151	-2.799106062	8.35E-08
peak_13690	chr7	33508914	33509256	-153785	Intergenic	NM_200239	kif18a	3.164465597	5.963573993	-2.799108395	6.52E-07
peak_24852	chr1	47300607	47300984	29081	Intergenic	NM_001278811	si:ch73-160h15.3	3.420583411	6.22036136	-2.799777949	0.000367
peak_8442	chr7	35003341	35004307	14449	intron (NM_131780, intron 6 of 19)	NM_131780	gro1	6.293410531	9.093253443	-2.799842913	1.95E-09
peak_9366	chr7	34395713	34396163	32976	intron (NM_001128725, intron 1 of 3)	NM_001128725	kcnc1a	4.284661742	7.084545275	-2.799883533	6.98E-09
peak_16737	chr24	5026531	5027010	26682	Intergenic	NM_130933	zic1	4.505479395	7.305740604	-2.800261209	6.07E-06
peak_35025	chr14	41312415	41312736	382059	Intergenic	NM_001127519	pcdh19	2.363802745	5.164116096	-2.800313351	0.006909
peak_12525	chr5	17432449	17432940	-160834	Intergenic	NM_001100957	hspb8	3.83917979	6.639542927	-2.800363136	2.24E-07
peak_30703	chr22	16248201	16248635	4521	intron (NM_001007386, intron 3 of 6)	NM_001007386	dph5	1.618352549	4.418773856	-2.800421306	0.00243
peak_12304	chr4	5580770	5581613	-16685	Intergenic	NM_001089378	tmem63a	4.09910867	6.899558238	-2.800449569	1.80E-07
peak_12764	chr6	7934412	7934870	-3	promoter-TSS (NM_001040308)	NM_001040308	cdk15	3.346615242	6.147227812	-2.80061257	2.80E-07
peak_9693	chr6	8151516	8153067	7539	intron (NM_001113337, intron 5 of 8)	NM_001113337	cyp27c1	6.49861676	9.299454656	-2.800837896	1.07E-08
peak_8340	chr2	42734963	42735560	-90253	Intergenic	NM_001202454	basp1	6.222857327	9.023972259	-2.801114932	1.67E-09
peak_23495	chr13	31496780	31497076	23032	Intergenic	NM_213410	prdm8	1.984009138	4.785262605	-2.801253467	0.000206
peak_11505	chr15	28434950	28436921	27608	Intergenic	NM_001089384	zgc:162698	6.817856007	9.619602192	-2.801746185	8.25E-08
peak_30168	chr10	11392129	11392400	28165	intron (NM_201103, intron 10 of 13)	NM_201103	cwc27	2.42263522	5.224493208	-2.801857988	0.002121
peak_7323	chr11	19400019	19402302	107703	intron (NM_001007063, intron 2 of 21)	NM_001007063	magi1b	7.529960658	10.33192519	-2.80196453	3.19E-10
peak_8563	chr20	39699180	39700035	-11674	Intergenic	NM_001045231	hddc2	7.041076889	9.843165613	-2.802088724	2.25E-09
peak_38701	chr19	12797745	12798266	17743	intron (NM_212757, intron 3 of 5)	NM_212757	ywhaz	2.986785331	5.789369666	-2.802584334	0.014452
peak_26516	chr5	26499649	26500055	-18142	intron (NM_001008576, intron 1 of 3)	NM_001128530	ap1b1	3.519982194	6.32267691	-2.802694716	0.000657
peak_7773	chr12	44285063	44286073	-2930	Intergenic	NM_001080602	ebf3	6.407861376	9.210672639	-2.802811263	6.69E-10
peak_8888	chr7	75876008	75876976	153856	Intergenic	NM_001077468	mrpl21	5.46509159	8.267997982	-2.802906392	3.59E-09
peak_27701	chr14	26082706	26083443	29151	TTS (NM_001007160)	NM_001007160	pde6a	3.705295767	6.508351743	-2.803055976	0.000991
peak_27448	chr19	38895596	38896014	-111702	Intergenic	NM_001044714	dlgap3	0.625495796	3.428613946	-2.80311815	0.000909
peak_25508	chr3	46141778	46142424	11243	intron (NM_001135975, intron 1 of 3)	NM_001135975	shisa9b	3.465062553	6.268261508	-2.803198955	0.000464
peak_11052	chr16	42997690	42998235	-9106	intron (NM_001017358, intron 5 of 5)	NM_200203	mettl6	4.125874362	6.929258932	-2.80338457	5.22E-08
peak_14314	chr13	11331506	11331851	65731	Intergenic	NM_001003532	desi2	3.086222395	5.889825905	-2.80360351	1.07E-06
peak_7353	chr6	42790501	42791486	39299	intron (NM_001014822, intron 1 of 17)	NM_001014822	sema3fa	6.425392008	9.22922666	-2.803834651	3.34E-10
peak_7574	chr1	43126201	43127043	464386	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	5.846840202	8.650866443	-2.804026241	4.93E-10
peak_37283	chr12	50656795	50657145	-3666	intron (NM_200591, intron 2 of 7)	NM_205709	bub3	0.639677051	3.443807405	-2.804130354	0.01119
peak_8925	chr9	24240864	24241483	9368	intron (NM_001123275, intron 1 of 24)	NM_001123275	kif5c	4.848367416	7.652515511	-2.804148096	3.79E-09
peak_10217	chr4	27545103	27545607	118618	Intergenic	NM_001020599	trmu	3.542799588	6.347164574	-2.804364987	1.98E-08
peak_6346	chr24	36554286	36555143	-123707	Intergenic	NM_001030067	pcmtd1	6.066598018	8.871001106	-2.804403088	4.98E-11
peak_24260	chr12	2116311	2116735	40840	Intergenic	NM_131643	sox9a	3.19853316	6.00298339	-2.804450229	0.000289

peak_21216	chr5	34200653	34201157	-77731	Intergenic	NM_212898	ntmt1	3.620141679	6.42496747	-2.80482579	7.46E-05
peak_19804	chr6	9698802	9699462	-32477	Intergenic	NM_130936	klfd	4.901690687	7.706549751	-2.804859064	3.67E-05
peak_22205	chr20	35261722	35262027	8894	intron (NM_001042761, intron 2 of 6)	NM_001042761	fzd3a	2.935977657	5.741012752	-2.805035095	0.000119
peak_35245	chr2	21698927	21699287	47550	Intergenic	NM_001017571	ca8	1.618352549	4.423441591	-2.805089041	0.007256
peak_19070	chr21	36516460	36517473	2861	intron (NM_131430, intron 2 of 19)	NM_131430	fgfr4	3.809602052	6.614783733	-2.805181681	2.47E-05
peak_41860	chr12	47656225	47656592	43067	Intergenic	NM_001002739	hid1b	-0.360322949	2.444884336	-2.805207285	0.02415
peak_38335	chr1	54584410	54585578	4766	intron (NM_130954, intron 5 of 11)	NM_130954	dla	3.368192036	6.173503606	-2.80531157	0.0136
peak_14625	chr23	39332565	39333021	51488	Intergenic	NM_001045224	bmf1	3.779405205	6.584922415	-2.80551721	1.38E-06
peak_13442	chr20	10332890	10333342	-27302	Intergenic	NM_130910	meis2b	4.459077363	7.264707074	-2.805629711	5.28E-07
peak_15870	chr21	21695748	21696163	22824	Intergenic	NM_200193	chek1	3.715471362	6.521353421	-2.805882059	3.44E-06
peak_12468	chr5	51431062	51431400	-96342	Intergenic	NM_131180	nr2f1a	3.453067239	6.259030854	-2.805963615	2.12E-07
peak_26080	chr13	37651703	37651943	-18696	Intergenic	NM_001166338	gphb5	1.66069094	4.467113277	-2.806422337	0.000566
peak_7004	chr19	31040933	31041974	-2051	Intergenic	NM_213223	marcksl1b	6.773400122	9.579946923	-2.806546802	1.70E-10
peak_14273	chr25	15213844	15214121	83251	Intergenic	NM_200452	dnajc24	3.041371788	5.848071207	-2.806699419	1.04E-06
peak_18829	chr18	20747987	20748340	79341	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	2.629054199	5.435835027	-2.806780828	2.16E-05
peak_23006	chr13	33822349	33822673	-8665	Intergenic	NM_213639	cfl1	3.370319669	6.177187919	-2.806868249	0.00017
peak_8738	chr20	30160382	30160938	-99460	Intergenic	NM_131337	sox11b	5.428743418	8.235697213	-2.806953796	2.89E-09
peak_21445	chr5	21502354	21502732	7204	intron (NM_001126454, intron 1 of 1)	NM_001126454	fam222a	2.784293744	5.591379383	-2.807085639	8.31E-05
peak_12567	chr4	11535009	11535353	6548	intron (NM_001007341, intron 1 of 11)	NM_001007341	arhgef39	2.889089251	5.696262537	-2.807173286	2.32E-07
peak_14470	chr22	35257606	35257996	97777	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	3.544684847	6.352103509	-2.807418661	1.24E-06
peak_15419	chr13	35431101	35431615	-129455	Intergenic	NM_131863	jag1b	3.438945476	6.246628916	-2.807683441	2.45E-06
peak_6475	chr3	12332389	12333745	-30422	intron (NM_001076757, intron 4 of 7)	NM_001076756	ccdc137	7.415365952	10.22342066	-2.808054707	6.43E-11
peak_12124	chr11	43921645	43922057	75194	Intergenic	NM_001001823	tdrd3	3.681503107	6.489639705	-2.808136598	1.51E-07
peak_13443	chr15	3162893	3163435	-108478	Intergenic	NM_001045369	zgc:153184	3.798584256	6.606808714	-2.808224458	5.29E-07
peak_10622	chr15	31303629	31304691	145805	Intergenic	NM_001110394	brca2	4.401863281	7.210122473	-2.808259192	3.18E-08
peak_16332	chr18	42650502	42651207	67240	Intergenic	NM_001045140	si:ch211-151h10.	4.052091935	6.861719325	-2.80962739	4.68E-06
peak_11510	chr11	42921228	42921609	-22617	Intergenic	NM_001002369	akr7a3	3.554074368	6.363752453	-2.809678085	8.29E-08
peak_14279	chr2	34826894	34827390	-10318	Intergenic	NM_001089542	rfwd2	3.284661742	6.094528291	-2.809866549	1.04E-06
peak_22202	chr7	55879146	55879731	31279	Intergenic	NM_001128270	LOC796180	3.31603542	6.125915015	-2.809879596	0.000119
peak_15400	chr13	31234626	31235182	60126	Intergenic	NM_001083819	vstm4a	3.2869161	6.096948524	-2.810032424	2.41E-06
peak_18770	chr6	48073648	48073970	-21734	Intergenic	NM_201202	phc2b	2.567117871	5.377261387	-2.810143516	2.08E-05
peak_25883	chr16	57593275	57593604	26226	intron (NM_001128260, intron 3 of 9)	NM_001128260	zgc:172096	3.124540972	5.934922721	-2.81038175	0.000529
peak_13414	chr16	21489106	21489551	-4592	Intergenic	NM_205550	sp8b	3.399781695	6.210448305	-2.810666609	5.15E-07
peak_9417	chr6	55922313	55923357	46045	intron (NM_001004558, intron 5 of 15)	NM_001004558	eya2	6.03165844	8.842417802	-2.810759363	7.54E-09
peak_12733	chr10	5385885	5386260	-31573	Intergenic	NM_001004120	nfil3	3.632603848	6.443638455	-2.811034607	2.74E-07
peak_16099	chr18	42538724	42539114	-8717	Intergenic	NM_001081628	cdon	3.557813132	6.368911341	-2.811098209	4.00E-06
peak_30521	chr18	22682167	22682879	-92301	intron (NM_200787, intron 3 of 7)	NM_199209	cbfb	4.25143672	7.062733905	-2.811297185	0.002322
peak_11296	chr15	10528974	10529437	-5360	Intergenic	NM_130969	odz4	4.071837003	6.883333053	-2.81149605	6.62E-08
peak_41034	chr14	31561489	31561840	12042	exon (NM_001008587, exon 4 of 11)	NM_001008587	efemp2a	0.978440673	3.790124177	-2.811683504	0.021441
peak_5856	chr7	35528689	35530049	6143	intron (NM_001024810, intron 3 of 3)	NM_001024810	smad6a	7.769872846	10.58159352	-2.811720676	1.71E-11
peak_10678	chr6	41689683	41690033	-49701	Intergenic	NM_200137	rad18	3.681503107	6.493290173	-2.811787066	3.40E-08
peak_18713	chr23	15484149	15484433	-43079	Intergenic	NM_001003833	sulf2b	2.567117871	5.378937094	-2.811819224	2.01E-05
peak_22695	chr12	6474446	6474741	-46719	Intergenic	NM_001161653_1	plce1	2.563403173	5.375333582	-2.811930409	0.000148
peak_9708	chr9	21389995	21391028	15680	intron (NM_001159666, intron 1 of 8)	NM_001159666	igsf3	5.986479059	8.799038058	-2.812558999	1.10E-08
peak_21899	chr23	7911395	7912007	127415	Intergenic	NM_001100145	kif3b	3.215200887	6.027968139	-2.812767252	0.000104
peak_20469	chr7	17378017	17378455	-40811	Intergenic	NM_001006026	csrp3	3.529533336	6.342531408	-2.812998072	5.22E-05
peak_16497	chr24	43695468	43695861	3638	intron (NM_001003987, intron 1 of 17)	NM_001003987	epb41l3a	2.978440673	5.791676469	-2.813235796	5.25E-06
peak_8296	chr16	57706934	57707668	-28485	Intergenic	NM_001003988	xrcc1	5.669432795	8.482791777	-2.813358982	1.58E-09
peak_9392	chr21	22443816	22444347	141408	Intergenic	NM_199635	zbtb16a	4.545626554	7.359022454	-2.8133959	7.28E-09
peak_27103	chr20	18840730	18841191	25983	Intergenic	NM_001002315	ccm2	2.862128275	5.675830836	-2.81370256	0.000806
peak_19050	chr13	17203926	17204879	308933	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	5.739610058	8.553449345	-2.813839287	2.45E-05
peak_11710	chr1	43107221	43107875	445312	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	4.320379652	7.134549885	-2.814170233	9.89E-08
peak_6887	chr5	6536143	6537392	24317	Intergenic	NM_001013333	zgc:110796	6.396653674	9.2114406	-2.814786925	1.39E-10
peak_12206	chr7	37151442	37152468	12988	Intergenic	NM_001045227	irx5a	4.43995877	7.254912383	-2.814953613	1.64E-07
peak_6028	chr7	70598899	70599893	-168301	Intergenic	NM_199682	ap1g1	7.262882901	10.07789107	-2.815008167	2.53E-11
peak_20984	chr7	57580456	57580719	-155271	Intergenic	NM_212585	ist1	2.521897487	5.337315866	-2.815418379	6.64E-05
peak_9577	chr8	23951324	23952252	5690	intron (NM_001003635, intron 1 of 5)	NM_001003635	zgc:100920	6.562992427	9.378413833	-2.815421407	9.29E-09
peak_20707	chr9	7627855	7628055	-25937	intron (NM_001130588, intron 12 of 22)	NR_030098		1.938847741	4.754614366	-2.815766626	5.87E-05
peak_13668	chr7	25218222	25218940	-4448	Intergenic	NM_200567	dhrs2	4.735465301	7.551341362	-2.815876061	6.40E-07
peak_12979	chr25	15407512	15408077	-97398	Intergenic	NM_131304	pax6a	3.33794409	6.153858841	-2.815914751	3.45E-07
peak_12951	chr1	52008326	52008832	20588	intron (NM_131897, intron 8 of 12)	NM_131897	meis4.1a	4.424624391	7.240588353	-2.815963962	3.34E-07
peak_26076	chr11	44596522	44596895	82163	Intergenic	NM_001114555	vip2	2.533336158	5.349346695	-2.816010538	0.000566
peak_16765	chr8	28815948	28816464	-102811	Intergenic	NM_199802	kcnd3	3.975648359	6.791990294	-2.816341934	6.19E-06
peak_9355	chr5	26150118	26150884	36134	Intergenic	NM_200182	tia1l	4.450052762	7.267030329	-2.816977567	6.88E-09
peak_17402	chr17	44375227	44375747	-79392	Intergenic	NM_131251	otx2	3.728799148	6.546221861	-2.817422714	9.15E-06
peak_6828	chr4	17734231	17734849	-12095	Intergenic	NR_029978		6.789622914	9.607116298	-2.817493383	1.24E-10
peak_17771	chr8	50141286	50141753	84754	Intergenic	NM_001128254	mfn2	3.629054199	6.447001976	-2.817947777	1.19E-05
peak_7596	chr5	51338882	51339939	-188163	Intergenic	NM_131180	nr2f1a	7.164159047	9.982265601	-2.818106554	5.08E-10
peak_22629	chr12	32281397	32281681	30699	Intergenic	NM_001045309	zgc:136406	2.42263522	5.241133396	-2.818498176	0.000143
peak_6794	chr5	30280538	30281290	36279	intron (NM_130907, intron 1 of 22)	NM_130907	tnc	5.989616751	8.808115096	-2.818498345	1.16E-10
peak_18922	chr20	41108197	41108455	307330	Intergenic	NM_001100023	si:dkey-233p4.1	2.33794409	5.156442929	-2.818498838	2.27E-05
peak_6281	chr20	6804768	6805555	-91824	Intergenic	NM_001168349_1	adcy1a	6.120809884	8.939357717	-2.818547833	4.42E-11
peak_18166	chr7	13911211	13911835	43664	intron (NM_001245957, intron 1 of 10)	NM_001245957	syt7b	3.6900456	6.509084628	-2.819039028	1.50E-05
peak_10969	chr15	10634428	10634964	100131	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	4.843015081	7.66208585	-2.81907077	4.72E-08
peak_19022	chr9	28211859	28212321	-151108	Intergenic	NM_001126402	si:rp71-84d19.3	3.979834805	6.79890726	-2.819072455	2.40E-05
peak_9836	chr3	61258848	61259350	19775	Intergenic	NM_001076706	foxj1a	5.048735907	7.868274912	-2.819539005	1.29E-08
peak_29647	chr3	25838802	25839197	75694	intron (NM_130998, intron 4 of 5)	NM_130998	ntn1b	3.951610027	6.771408175	-2.819798148	0.001829
peak_17217	chr5	69837655	69838122	-20129	Intergenic	NM_001007766	stip1	2.728799148	5.548926155	-2.820127008	8.11E-06
peak_26994	chr23	27382894	27383292	10410	intron (NM_001214908, intron 2 of 2)	NM_001214908	wu:fc13c02	3.700328943	6.520528454	-2.820199511	0.000777
peak_13125	chr3	44724185	44724685	67003	intron (NM_001080589, intron 1 of 1)	NM_001080589	hs3st4	4.485931801	7.306484622	-2.820552821	3.96E-07
peak_10720	chr9	29382532	29382987	49620	intron (NM_001044766, intron 3 of 3)	NM_001044766	klf7b	4.487892806	7.308581864	-2.820689057	3.53E-08
peak_12581	chr11	36503541	36504170	100191	Intergenic	NM_212679	bhlhe40	5.089454771	7.910323105	-2.820868334	2.35E-07
peak_17778	chr18	23803403	23803987	-144630	Intergenic	NM_131183	nr2f2	5.527544743	8.348450411	-2.820905669	1.19E-05
peak_18783	chr18	7204274	7204659	101690	Intergenic	NM_001044963	rabl2	2.106785545	4.927719348	-2.820933803	2.09E-05
peak_23729	chr4	22065291	22065714	4048	exon (NM_131364, exon 7 of 11)	NM_131364	mdm2	2.784293744	5.605232293	-2.820938549	0.000228
peak_16067	chr18	8543989	8544485	-63473	Intergenic	NM_001128343	grm3	3.457076769	6.278174012	-2.821097243	3.94E-06
peak_9803	chr23	37748479	37749084	-75641	Intergenic	NM_200856	tor1l3	5.064628484	7.885782315	-2.821153831	1.25E-08
peak_8539	chr10	41564059	41564628	-85765	Intergenic	NM_001080188	git2b	5.614715268	8.436239852	-2.821524584	2.21E-09
peak_8609	chr10	38546929	38547506	68983	Intergenic	NM_001077461	cuedc1a	5.66161059	8.483542656	-2.821932066	2.40E-09
peak_6785	chr17	1120395	1121375	30891	intron (NM_001281801, intron 1 of 11)	NM_001281801	akt1	7.151970877	9.974160836	-2.822189959	1.14E-10
peak_10839	chr7	54060882	54061675	-47720	Intergenic	NM_214816	tcf12	5.044744971	7.867238534	-2.822493563	4.06E-08
peak_10879	chr2	59095976	59096699	4960	intron (NM_212882_1, intron 1 of 9)	NM_212882_1		4.285789361	7.108373884	-2.822584523	4.32E-08
peak_26944	chr8	53152295	53152537	20101	intron (NM_001123044, intron 2 of 16)	NM_001123044	bin3	2.075829856	4.898712683	-2.822882827	0.000764
peak_32930	chr4	19621235	19621495	-127322	Intergenic	NM_001045143	nav3	1.961605146	4.785036771	-2.823431625	0.004323
peak_35814	chr15	8073043	8073495	179031	intron (NM_001113555, intron 2 of 9)	NM_001040313	zgc:136739	1.66069094	4.484158287	-2.823467347	0.008231
peak_19989	chr2	50754936	50755348	13424	intron (NM_001033920, intron 2 of 7)	NM_001033920	ahrrb	3.747021639	6.570712522	-2.823690883	4.10E-05
peak_11935	chr12	27018611	27019041	58453	Intergenic	NM_001007313	ppm1bb	4.420523517	7.244237377	-2.82371386	1.27E-07
peak_6517	chr12	40152751	40153562	46796	intron (NM_001002490, intron 2 of 7)	NM_001002490	ttyh2	6.802517359	9.626729116	-2.824211757	7.00E-11
peak_19024	chr6	15947020	15947740	-1608	Intergenic	NM_152964	gbx2	3.872673052	6.696988236	-2.824315184	2.41E-05
peak_39702	chr25	22631913	22632403	131563	Intergenic	NM_198801	ckmt1	-0.360322949	2.464151014	-2.824473963	0.017148
peak_20893	chr22	36149777	36150084	-92897	Intergenic	NM_001003610	nicn1	2.636144784	5.460882136	-2.824737351	6.39E-05
peak_27745	chr9	38757589	38757974	-49373	Intergenic	NM_001113576	pdia5	2.66069094	5.485474156	-2.824783216	0.00101
peak_8138	chr8	3387854	3388573	55830	Intergenic	NM_001008604	zgc:103510	6.058703696	8.883657577	-2.824953881	1.21E-09
peak_12895	chr18	41443253	41443888	119408	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	4.150915405	6.976120519	-2.825205114	3.15E-07
peak_6075	chr16	31799903	31800968	-12774	Intergenic	NM_152984	onecutl	7.491066636	10.31693029	-2.82586365	2.88E-11

peak_35509	chr3	28146768	28147291	79785	intron (NM_001005596, intron 10 of 11)	NM_001005596	rbfox1	2.471023015	5.297168238	-2.826145223	0.007691
peak_12677	chr4	14855458	14855972	-178160	intron (NM_001030134, intron 14 of 17)	NM_001044894	si:dkey-117n7.5	4.510254836	7.336436304	-2.826181468	2.57E-07
peak_33942	chr18	30583046	30583440	70975	Intergenic	NM_001002622	irf8	1.426730103	4.252947734	-2.826217631	0.00546
peak_14299	chr19	2744858	2745192	9269	intron (NM_001077282, intron 1 of 6)	NM_001077282	nedd9	2.892054049	5.71849723	-2.826443181	1.06E-06
peak_8018	chr20	44950862	44951461	247337	Intergenic	NM_001013534	zgc:103511	4.787435225	7.614318055	-2.82688283	9.84E-10
peak_8266	chr11	9602298	9603028	435251	Intergenic	NM_001142265	nlgn1	5.339573906	8.166660134	-2.827086228	1.51E-09
peak_6098	chr10	4115620	4116428	61946	Intergenic	NM_200920	pitpnb	6.291149928	9.11866916	-2.827519232	3.03E-11
peak_28134	chr4	4712991	4713488	35958	Intergenic	NM_001089551	slc13a4	2.883141315	5.71096157	-2.827820255	0.001154
peak_36681	chr4	40742665	40742932	-173652	Intergenic	NM_001100956	si:dkeyp-4c4.1	-0.360322949	2.467546224	-2.827869173	0.009879
peak_27776	chr7	69243409	69243816	-93195	Intergenic	NM_001007441	znf143a	2.521897487	5.350032838	-2.828135351	0.001023
peak_16516	chr16	25387895	25388360	60441	intron (NM_131854, intron 1 of 4)	NM_131854	efna3b	3.346615242	6.174863507	-2.828248264	5.33E-06
peak_33299	chr8	19651050	19651552	139969	Intergenic	NM_212872	zgc:77486	-0.360322949	2.468274479	-2.828597428	0.0047
peak_27953	chr5	21357995	21358810	80871	Intergenic	NM_001007349	mvk	3.782697136	6.611868477	-2.82917134	0.001088
peak_14044	chr23	39073025	39073453	27171	Intergenic	NM_001080609	sall4	4.630830115	7.460405948	-2.829575833	8.81E-07
peak_13971	chr10	24318997	24319617	21001	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	3.346615242	6.176346681	-2.829731438	8.20E-07
peak_24518	chr7	68646173	68646625	-178267	Intergenic	NM_001110471_1	parvab	3.937413413	6.767342397	-2.829928984	0.00032
peak_15019	chr18	46801426	46802066	85555	intron (NM_001017558_1, intron 5 of 5)	NM_001017558_1	ets1	4.458077413	7.288041611	-2.829964199	1.83E-06
peak_16442	chr18	34435631	34436172	29662	Intergenic	NM_001024419	bckdha	3.268781826	6.09879155	-2.830009724	5.07E-06
peak_39131	chr18	40004226	40004602	45263	Intergenic	NM_131511	fzd9b	0.944570835	3.774598624	-2.830027789	0.015627
peak_10038	chr20	40657444	40658225	94350	Intergenic	NM_131038	cx43	4.740408792	7.57054461	-2.830135817	1.63E-08
peak_16345	chr22	24975955	24976295	3841	intron (NM_001037243, intron 3 of 4)	NM_001037243	lhx9	2.537128982	5.367344025	-2.830215043	4.73E-06
peak_19294	chr16	34785874	34786144	-88282	Intergenic	NM_131160	pou3f2b	2.865148941	5.695400739	-2.830251798	2.77E-05
peak_23893	chr18	23732126	23732735	-73365	Intergenic	NM_131183	nr2f2	5.124020943	7.954627296	-2.830606353	0.000246
peak_12673	chr9	55066714	55067406	-35138	Intergenic	NM_001009888	sox21b	4.779451908	7.610234426	-2.830782518	2.56E-07
peak_37595	chr5	41924599	41924961	-151	promoter-TSS (NM_001100033)	NM_001100033	arl15a	1.831388386	4.662225485	-2.830837098	0.011843
peak_33902	chr6	36413378	36413824	-82316	Intergenic	NM_131079	her6	-0.360322949	2.470720478	-2.831034327	0.00541
peak_9307	chr5	20561959	20562438	119033	Intergenic	NM_201009	aacs	4.253810789	7.085041604	-2.831230815	6.47E-09
peak_6841	chr22	31346156	31349634	-10798	Intergenic	NR_030119		8.1184292	10.94975695	-2.831327745	1.27E-10
peak_9360	chr24	25060873	25062010	-2139	Intergenic	NR_030061		5.630386341	8.461878064	-2.831491723	6.93E-09
peak_12361	chr20	51863192	51863695	33416	intron (NM_212800, intron 3 of 8)	NM_212800	disp1	4.424624391	7.256395937	-2.831771546	1.91E-07
peak_29332	chr18	36952573	36952890	194403	Intergenic	NM_001089357	alx4b	1.95594936	4.787952917	-2.832003556	0.001678
peak_21784	chr22	19212251	19212532	58877	Intergenic	NM_198142	bsg	1.984009138	4.816041201	-2.832032063	9.82E-05
peak_19522	chr24	41021499	41022079	69788	Intergenic	NM_001002506	lyrm1	4.723767106	7.555911487	-2.832144381	3.14E-05
peak_20976	chr17	14553955	14554316	1103	TTS (NM_001007212)	NM_001007212	cx28.6	3.200926086	6.033151497	-2.832225411	6.62E-05
peak_19234	chr2	39739122	39739507	100824	Intergenic	NM_001005919	epha4a	3.333588892	6.165853719	-2.832264828	2.68E-05
peak_23180	chr24	9848182	9848475	17864	Intergenic	NM_213106_1	zgc:63694	2.42263522	5.255097971	-2.832462752	0.000182
peak_18225	chr15	15764473	15764996	126881	intron (NM_001077156, intron 15 of 15)	NM_001077156	tyw1	3.378798964	6.211267675	-2.832468711	1.55E-05
peak_38371	chr4	39547272	39547599	165658	Intergenic	NM_001109839	zgc:173617	0.215200887	3.04801543	-2.832814543	0.013726
peak_34764	chr3	43063644	43064028	104103	Intergenic	NM_131503	axin1	-0.360322949	2.472579516	-2.832902465	0.006508
peak_23065	chr7	75290061	75290266	54533	Intergenic	NM_152885	adcyap1a	2.116958245	4.9501231	-2.833164856	0.000174
peak_24475	chr20	41252962	41253282	452126	Intergenic	NM_001100023	si:dkey-233p4.1	2.363802745	5.197090752	-2.833288007	0.000312
peak_10223	chr19	3933460	3933996	10203	Intergenic	NM_131519	edn1	4.949518477	7.783084735	-2.833566258	2.00E-08
peak_12694	chr8	14827960	14828341	64487	intron (NM_001245100, intron 2 of 14)	NM_001245100	si:dkey-6n6.7	3.713796698	6.547364989	-2.833568291	2.62E-07
peak_10041	chr7	48211084	48211617	179475	Intergenic	NM_001195407	tshz3b	4.515126713	7.349127316	-2.834000603	1.63E-08
peak_38702	chr1	54585858	54586438	5920	intron (NM_130954, intron 7 of 11)	NM_130954	dla	2.986785331	5.821628356	-2.834843025	0.014454
peak_9658	chr10	39589291	39589876	20267	intron (NM_001001886, intron 6 of 23)	NM_001001886	usp25	4.367064887	7.20197854	-2.834913653	1.03E-08
peak_12727	chr6	52548167	52549545	-30657	Intergenic	NM_001076755	uqcc1	3.875671743	6.710633444	-2.834961701	2.72E-07
peak_11851	chr16	7730693	7731025	-92453	Intergenic	NM_001007396	mboat1	3.331406352	6.166462038	-2.835055686	1.15E-07
peak_8811	chr7	34913447	34915245	103927	Intergenic	NM_131780	gro1	6.008221228	8.84358682	-2.835365591	3.22E-09
peak_17095	chr13	46523254	46523631	-11158	Intergenic	NM_199514	olig4	3.492783688	6.328898132	-2.836114443	7.48E-06
peak_35407	chr11	22595367	22595759	-148390	Intergenic	NM_001199491	foxp4	2.247969535	5.084224851	-2.836255316	0.007512
peak_10408	chr22	33570639	33571149	92147	Intergenic	NM_001040377	zgc:136895	5.173667468	8.010048028	-2.83638056	2.47E-08
peak_25937	chr8	12990984	12991245	-40897	Intergenic	NM_001128381	traf1	1.984009138	4.820492157	-2.836483019	0.000539
peak_8211	chr5	38574075	38575239	-437	promoter-TSS (NM_001128766)	NM_001128766	zgc:194261	6.104870153	8.941544306	-2.836674153	1.36E-09
peak_16545	chr8	4811920	4812248	7294	intron (NM_199988, intron 2 of 11)	NM_199988	sept5a	2.90091206	5.738207413	-2.837295354	5.41E-06
peak_6064	chr5	54923546	54925036	-62670	Intergenic	NM_001020519	slc14a2	8.47486974	11.31221247	-2.837342734	2.77E-11
peak_39571	chr10	42722047	42722307	42377	Intergenic	NM_001040249	agpat6	1.234016866	4.071542524	-2.837525658	0.016808
peak_10346	chr7	28296866	28297356	-119305	Intergenic	NM_001123009	sox6	4.125874362	6.963664646	-2.837790284	2.28E-08
peak_15076	chr5	31350464	31350916	38006	TTS (NM_001020644)	NM_001017712	barhl1a	3.693448485	6.531397323	-2.837948839	1.91E-06
peak_8328	chr15	38073500	38074157	139825	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	5.565315894	8.403472787	-2.838156893	1.65E-09
peak_7630	chr17	21643652	21644785	-3188	Intergenic	NM_205601	ikzf5	6.010971152	8.849242114	-2.838270962	5.38E-10
peak_12700	chr23	10541240	10541679	38343	exon (NM_001099237, exon 13 of 15)	NM_001099237	eif4ba	5.001393477	7.839682189	-2.838288712	2.64E-07
peak_31633	chr17	53294598	53294919	-52439	Intergenic	NM_131896	meis2a	2.224639552	5.062939357	-2.838299805	0.00311
peak_24752	chr14	18183649	18183949	-31263	Intergenic	NM_001166332	nlgn3a	2.862128275	5.700442994	-2.838314719	0.000352
peak_18457	chr7	29621685	29622114	118255	Intergenic	NM_001045089	stk33	3.149677235	5.988317599	-2.838640363	1.74E-05
peak_8523	chr8	10779775	10780297	134624	Intergenic	NM_001077391	zgc:153997	4.850655209	7.689795933	-2.839140724	2.16E-09
peak_13082	chr7	11043050	11043739	-339766	Intergenic	NM_131674	arnt2	3.715471362	6.554947617	-2.839476255	3.82E-07
peak_8967	chr22	11262381	11263617	8696	intron (NM_205626, intron 1 of 12)	NM_205626	bcor	6.653552849	9.493056186	-2.839503337	4.01E-09
peak_6802	chr7	51014881	51015535	92982	Intergenic	NM_001020629	hrasb	5.207451528	8.046977648	-2.83952612	1.19E-10
peak_23036	chr18	9220051	9220384	272663	Intergenic	NM_001045084	sema3e	2.702019304	5.541557652	-2.839538348	0.000172
peak_9758	chr16	4647612	4648040	5561	intron (NM_001110349, intron 2 of 4)	NM_131408	vegfaa	3.808033224	6.64785495	-2.839821727	1.18E-08
peak_24158	chr1	8457573	8458011	91605	Intergenic	NM_001020780	uncx4.1	3.006230172	5.846091387	-2.839861215	0.000276
peak_17765	chr12	3627297	3627729	12884	intron (NM_001111218, intron 5 of 7)	NM_001111218	rac3b	3.877168754	6.717190352	-2.840021598	1.18E-05
peak_10402	chr16	25368576	25369448	41326	intron (NM_131854, intron 1 of 4)	NM_131854	efna3b	4.894273656	7.734338461	-2.840064805	2.44E-08
peak_16681	chr3	41799157	41799561	-13399	Intergenic	NM_001003430	grifin	4.298135349	7.138689136	-2.840553786	5.89E-06
peak_18218	chr17	42201930	42202364	10742	Intergenic	NM_001111166	zgc:171531	2.548447992	5.389186391	-2.840738399	1.54E-05
peak_35919	chr12	1207797	1208065	-11114	Intergenic	NM_001077342	mettl9	-0.360322949	2.48044886	-2.840771809	0.008386
peak_12061	chr24	5968068	5968528	4844	intron (NM_200460, intron 3 of 8)	NM_200460	pcolce2b	3.814298329	6.65512877	-2.840830442	1.42E-07
peak_14445	chr24	24005303	24005689	273836	Intergenic	NM_001075111	hnf4g	3.038698769	5.879620841	-2.840922072	1.21E-06
peak_16782	chr5	16162376	16162854	-15576	Intergenic	NM_001123312	myst3	3.531436	6.372581322	-2.841145322	6.25E-06
peak_12002	chr5	34256649	34257141	-133721	Intergenic	NM_212898	ntmt1	4.323677304	7.164853011	-2.841175706	1.35E-07
peak_23060	chr17	26363270	26363640	83181	Intergenic	NM_001080665	fam149b1	2.31603542	5.157476577	-2.841441157	0.000174
peak_11830	chr21	20217426	20218100	15598	Intergenic	NM_001029959	rtn2b	4.279010388	7.120731707	-2.841721319	1.12E-07
peak_6629	chr13	26438601	26439454	361930	Intergenic	NM_001040391	bcl11aa	6.627250145	9.469011958	-2.841761812	8.69E-11
peak_19822	chr21	16852164	16852737	34126	Intergenic	NM_213099	wdr5	4.455131873	7.296984079	-2.841852206	3.72E-05
peak_14820	chr2	32673057	32673708	108867	Intergenic	NM_001002637	tmem53	3.73706692	6.579112985	-2.842046066	1.59E-06
peak_9741	chr10	10888661	10889182	-49770	Intergenic	NM_001109826	cdc37l1	5.334102215	8.176248919	-2.842146704	1.15E-08
peak_8184	chr1	50343264	50343880	21938	intron (NM_131426, intron 3 of 10)	NM_131426	lef1	5.753125405	8.595515581	-2.842390176	1.30E-09
peak_28809	chr18	37136655	37136914	-55528	Intergenic	NM_200573	onecut1	1.451058288	4.293541573	-2.842483285	0.001423
peak_11446	chr22	17651790	17652302	31643	Intergenic	NM_001128684	si:ch211-197g15.	4.33794409	7.180499073	-2.842554983	7.78E-08
peak_10154	chr22	5380187	5380630	-151703	Intergenic	NM_001111175	zgc:171566	3.804890439	6.647470612	-2.842580173	1.85E-08
peak_15654	chr1	51201077	51201438	54758	Intergenic	NM_001145624	herc3	3.293658114	6.136483953	-2.842825839	2.93E-06
peak_9031	chr21	2078596	2079370	45022	Intergenic	NM_001113432	st8sia3	4.821359569	7.664327597	-2.842968028	4.36E-09
peak_30290	chr10	21100907	21101781	-314030	Intergenic	NM_200782	kcnip3b	3.494735408	6.337815527	-2.843080119	0.002186
peak_11236	chr16	34872300	34872992	-1645	Intergenic	NM_131160	pou3f2b	5.652897542	8.49685441	-2.843956868	6.25E-08
peak_25192	chr3	46441642	46442003	65	promoter-TSS (NM_001099242)	NM_001099242	zgc:165666	2.31603542	5.160804602	-2.844769183	0.000415
peak_39516	chr6	3566036	3566412	37510	Intergenic	NM_199547	ssb	2.751830549	5.596710635	-2.844880086	0.016676
peak_16303	chr24	11596054	11596481	-2560	Intergenic	NM_205728	gli3	3.44299439	6.28791887	-2.84492448	4.61E-06
peak_26394	chr6	17875818	17876180	-122819	Intergenic	NM_131029	ntn1a	0.95594936	3.800965076	-2.845015715	0.000631
peak_9713	chr19	30220600	30221154	38934	Intergenic	NM_001102573	ctgfb	4.843780917	7.689180348	-2.845399431	1.11E-08
peak_19100	chr7	19569982	19570331	190635	Intergenic	NM_001099228	cd248a	2.320443851	5.165857219	-2.845413368	2.50E-05
peak_6584	chr15	40361172	40362173	20072	intron (NM_001002430, intron 2 of 5)	NM_001002430	pxylp1	7.360241096	10.20575792	-2.845516824	7.89E-11
peak_25023	chr7	38675679	38676039	-93578	Intergenic	NM_001146014	sall1a	3.309268024	6.155153594	-2.845885569	0.000391
peak_21327	chr22	35076736	35077919	35726	Intergenic	NM_001114590	rbm15b	4.814343916	7.66062506	-2.846281144	7.83E-05
peak_14497	chr6	6944879	6945110	24201	intron (NM_001004602, intron 2 of 13)	NM_001004602	bin1b	2.451058288	5.297340973	-2.846282685	1.26E-06

peak_37867	chr9	35452831	35453161	83849	Intergenic	NM_212765	med14	-0.360322949	2.486147892	-2.846470841	0.012441
peak_22089	chr5	50998446	50998757	-186881	Intergenic	NM_001201438	si:dkey-172m14.1	2.877168754	5.72366786	-2.846499105	0.000113
peak_5799	chr16	47693481	47694731	41288	Intergenic	NM_001003850	rbm42	7.783038222	10.62975225	-2.846714025	1.50E-11
peak_31503	chr1	20496952	20497395	-63615	Intergenic	NM_131638	pax5	0.625495796	3.472401659	-2.846905864	0.002995
peak_10055	chr8	53792961	53793468	-7923	Intergenic	NM_152962	fgfr1a	4.712909731	7.559963247	-2.847053517	1.65E-08
peak_13645	chr1	6613264	6613576	46740	Intergenic	NM_001102569	radil	2.728799148	5.575895667	-2.847096519	6.28E-07
peak_14255	chr15	25096907	25097290	81247	Intergenic	NM_001002314	hic1	2.809602052	5.656927396	-2.847325344	1.03E-06
peak_24543	chr11	43070496	43070972	3541	Intergenic	NM_131089	her2	3.370319669	6.218172425	-2.847852755	0.000323
peak_18233	chr1	53351050	53351530	63079	Intergenic	NM_001081629	smarca5	3.273336808	6.12121909	-2.847882282	1.55E-05
peak_6779	chr9	29994170	29994959	-22088	intron (NM_001007200, intron 14 of 25)	NM_200089	epb41l5	6.190959358	9.038933211	-2.847973853	1.13E-10
peak_28307	chr24	1709404	1710111	250565	Intergenic	NM_001113644_4	zgc:172101	3.97012931	6.818164011	-2.848034701	0.001213
peak_34244	chr9	7198916	7199151	-68214	Intergenic	NM_001161497	coa5	-0.360322949	2.487900559	-2.848223508	0.005832
peak_27050	chr23	9474033	9474327	99208	Intergenic	NM_001002641	acss2	2.42263522	5.270906467	-2.848271247	0.000791
peak_16328	chr4	2166616	2167328	-40721	Intergenic	NM_001045325	krr1	4.431832417	7.28013373	-2.848301313	4.67E-06
peak_11634	chr12	31802390	31802828	117193	Intergenic	NM_001014363	ablim1b	4.253810789	7.102123416	-2.848312627	9.34E-08
peak_10613	chr17	44105788	44106689	28989	intron (NM_001002616, intron 2 of 5)	NM_001002616	peli2	5.316555026	8.165027613	-2.848472587	3.13E-08
peak_13031	chr14	34182747	34183614	-56527	Intergenic	NM_212957	pdzd11	5.206856367	8.055510197	-2.84865383	3.65E-07
peak_37361	chr21	35437203	35437471	9770	intron (NM_001002503, intron 4 of 7)	NM_001002503	ndfip1l	0.234016866	3.082872219	-2.848855353	0.011337
peak_16624	chr25	7184851	7185526	380996	Intergenic	NM_001122855	snx33	3.914183006	6.763203749	-2.849020743	5.66E-06
peak_7268	chr9	1580277	1580867	48740	intron (NM_200113, intron 19 of 19)	NM_200113	agps	5.143434108	7.992469415	-2.849035306	2.89E-10
peak_25541	chr5	22179772	22180318	-24822	intron (NM_201295, intron 2 of 10)	NM_001258229	selplg	3.567226082	6.416290814	-2.849064731	0.00047
peak_7224	chr22	41935077	41936019	-24697	intron (NM_131379, intron 6 of 15)	NM_001080197	senp5	5.791410378	8.640866706	-2.849456328	2.69E-10
peak_14360	chr18	37552095	37552453	8251	intron (NM_194398, intron 2 of 2)	NM_194398	bcl2l10	3.226989601	6.0766231	-2.8496335	1.12E-06
peak_9115	chr7	51224688	51225698	52436	Intergenic	NM_131231	ascl1b	6.550339575	9.400143987	-2.849804412	4.93E-09
peak_24521	chr17	21176728	21177045	21841	intron (NM_001198761, intron 4 of 16)	NM_001198761	si:ch73-56p18.4	2.247969535	5.097970823	-2.850001288	0.00032
peak_8267	chr20	28792369	28792843	1359	intron (NM_001281792, intron 1 of 20)	NM_001281792	sipa1l1	4.447031973	7.297101188	-2.850069214	1.51E-09
peak_12210	chr17	4616126	4616471	-212651	Intergenic	NM_201084	cdc5l	3.030649868	5.881039827	-2.850389959	1.64E-07
peak_11591	chr5	15557300	15557870	303286	Intergenic	NM_213066	hk2	4.50251599	7.353076237	-2.850560247	8.96E-08
peak_11582	chr10	36560491	36561299	-16759	Intergenic	NM_001083549	zdhhc20a	3.727139892	6.577818672	-2.850678779	8.86E-08
peak_24506	chr5	39623954	39624336	-16719	Intergenic	NM_001100959	si:dkey-111e8.4	2.751830549	5.602579835	-2.850749285	0.000318
peak_19556	chr20	5499155	5499584	29556	Intergenic	NM_001002864	snw1	3.049361258	5.900148628	-2.85078737	3.20E-05
peak_32419	chr5	19574585	19575107	15859	intron (NM_001100015, intron 5 of 17)	NM_001100015	chfr	0.653720264	3.504594309	-2.850874045	0.003806
peak_42486	chr21	20624251	20624855	7525	Intergenic	NM_001128421	or124-2	-0.360322949	2.490682847	-2.851005796	0.026368
peak_39713	chr6	49204989	49205483	-48846	Intergenic	NM_199210	ngf	-0.360322949	2.49087499	-2.851197939	0.017172
peak_15469	chr12	33446285	33446835	-23686	Intergenic	NM_212932	lrrc59	4.106785545	6.958326135	-2.85154059	2.55E-06
peak_11894	chr22	36063259	36063774	48172	intron (NM_173274, intron 2 of 2)	NM_173274	dag1	4.901690687	7.753302414	-2.851611727	1.21E-07
peak_32026	chr5	74537172	74537520	297472	Intergenic	NM_001003993	ak1	1.984009138	4.835621304	-2.851612166	0.003448
peak_30217	chr13	50382366	50382924	40275	Intergenic	NM_199981	irf2bp2a	3.19853316	6.050194996	-2.851661836	0.002153
peak_22260	chr18	39963144	39963633	73312	Intergenic	NM_001006018	bcl7bb	4.007517975	6.859260043	-2.851742068	0.000122
peak_12084	chr13	29362486	29363029	10744	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	3.033337828	5.885127163	-2.851789335	1.45E-07
peak_15749	chr12	38733453	38733835	103871	Intergenic	NM_001040355	pmp22b	3.580151749	6.432043781	-2.851892032	3.17E-06
peak_24850	chr12	8509012	8509359	-209938	Intergenic	NM_200241	ccdc6b	2.751830549	5.604089285	-2.852258736	0.000367
peak_10717	chr10	3566067	3566612	38581	Intergenic	NM_001037412	zgc:123275	4.89727087	7.749757632	-2.852486762	3.52E-08
peak_36268	chr8	35529229	35530397	-51290	Intergenic	NM_200894_15	zgc:77614	-0.360322949	2.492271102	-2.852594051	0.009057
peak_42094	chr9	48052810	48053130	-161857	Intergenic	NM_001126463	igfbp5a	-0.360322949	2.493277994	-2.853600943	0.024983
peak_14498	chr18	23589853	23590169	69054	Intergenic	NM_131183	nr2f2	3.09910867	5.952748741	-2.853640071	1.26E-06
peak_19379	chr14	49451131	49451491	100732	intron (NM_001115143, intron 3 of 21)	NM_001115143	prom1a	2.438945476	5.292676762	-2.853731286	2.89E-05
peak_41377	chr13	30633795	30634107	-96432	Intergenic	NM_001113339	zmiz1a	-0.360322949	2.493469792	-2.853792741	0.022564
peak_41376	chr13	3668501	3668807	75490	Intergenic	NM_199907	yipf3	-0.360322949	2.493469792	-2.853792741	0.022564
peak_19073	chr24	32576540	32576823	-14930	Intergenic	NM_001002229	snx7	1.831388386	4.685318778	-2.853930392	2.47E-05
peak_7949	chr17	36155306	36155971	-96903	Intergenic	NM_131336	sox11a	6.187929225	9.041865378	-2.853936153	8.79E-10
peak_6114	chr22	11410335	11411257	137854	Intergenic	NM_200832	mid1ip1b	6.61335547	9.467668951	-2.854313481	3.17E-11
peak_27797	chr3	8692414	8692678	-39127	Intergenic	NM_001077773	zgc:113443	0.234016866	3.088397222	-2.854380356	0.00103
peak_6615	chr5	407388	411625	78925	Intergenic	NM_200293	ddrgk1	7.972361203	10.82697061	-2.854609402	8.30E-11
peak_5925	chr7	12969615	12970389	-85409	Intergenic	NM_001080993	mex3b	6.545861885	9.400787233	-2.854925348	2.00E-11
peak_16107	chr22	11295393	11296698	41742	intron (NM_205626, intron 8 of 12)	NM_205626	bcor	5.027917577	7.882898422	-2.854980844	4.02E-06
peak_7905	chr23	7701680	7702530	-33899	Intergenic	NM_153652	plagl2	6.485426818	9.340644299	-2.85521748	8.19E-10
peak_11532	chr15	10537171	10538126	3083	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	4.496684491	7.352053601	-2.85536911	8.45E-08
peak_21751	chr1	53359068	53359547	71096	Intergenic	NM_001081629	smarca5	3.019847667	5.875419438	-2.855571771	9.67E-05
peak_22010	chr7	66997860	66998159	15104	intron (NM_200905, intron 2 of 24)	NM_200905	ipo7	2.122017822	4.978103382	-2.85608556	0.00011
peak_7279	chr5	69691506	69692443	53273	Intergenic	NM_001013309	htatip	6.879576304	9.735795775	-2.856219471	2.96E-10
peak_31271	chr6	31540690	31541060	176495	Intergenic	NM_201025	pgm1	2.116958245	4.97366128	-2.856703036	0.002822
peak_21825	chr8	43880178	43880460	193964	Intergenic	NM_001123259	si:ch211-158d24.1	2.234016866	5.090720519	-2.856703653	0.0001
peak_12674	chr23	5979538	5979976	-146486	Intergenic	NM_205567	csrp1a	4.245721053	7.102478834	-2.856757782	2.57E-07
peak_10077	chr18	44487200	44488407	-48734	Intergenic	NM_001020735	pcyt1ab	6.406291826	9.263069256	-2.85677743	1.69E-08
peak_23173	chr15	29022343	29022943	-54828	Intergenic	NM_001076633	zgc:153372	4.423660031	7.280709711	-2.857049681	0.000181
peak_7317	chr2	41479304	41480307	53332	intron (NM_001020567, intron 1 of 14)	NM_001020567	zgc:110158	6.263320643	9.120490789	-2.857170146	3.14E-10
peak_10434	chr9	45327084	45327711	28176	intron (NM_001089474, intron 1 of 12)	NM_001089474	cerkl	4.678071896	7.535493823	-2.857421926	2.53E-08
peak_12343	chr13	7265369	7265816	265784	Intergenic	NM_001281798	ninl	3.224639552	6.082153507	-2.857513955	1.88E-07
peak_9107	chr15	18318435	18319178	-40630	Intergenic	NM_205649	zgc:77784	5.317074445	8.174593738	-2.857519293	4.89E-09
peak_20321	chr12	28243782	28244245	50930	intron (NM_200874, intron 2 of 16)	NM_200874	arhgap12b	3.825197218	6.682773942	-2.857576724	4.88E-05
peak_9889	chr22	40307183	40307581	28302	Intergenic	NM_213118	sox2	4.553138161	7.410885161	-2.857747	1.38E-08
peak_7389	chr17	7442451	7443629	-17248	Intergenic	NM_201151	fbxo30a	5.368662153	8.226564373	-2.85790222	3.55E-10
peak_38347	chr3	28824897	28825426	-8751	Intergenic	NM_001201336	fbxl16	3.006230172	5.864301157	-2.858070985	0.013651
peak_11584	chr21	334430	335096	-5246	Intergenic	NM_001267587	rhbdl1	4.133410493	6.991686526	-2.858276033	8.87E-08
peak_9763	chr8	8697391	8698533	-102093	Intergenic	NM_001122628_1		6.183683377	9.041971792	-2.858288415	1.19E-08
peak_14643	chr9	48241128	48241743	-350322	Intergenic	NM_001126463	igfbp5a	4.084927414	6.943379783	-2.858452368	1.40E-06
peak_16740	chr3	26611919	26612173	59406	Intergenic	NM_212762	rps15a	2.625495796	5.484025476	-2.858529681	6.09E-06
peak_31928	chr19	38958626	38959167	-48611	Intergenic	NM_001044714	dlgap3	2.664163689	5.522900837	-2.858737149	0.003368
peak_11745	chr7	52472215	52472545	-86216	Intergenic	NM_001123230	col4a5	3.222285668	6.08105442	-2.858768752	1.03E-07
peak_7215	chr1	30715822	30716463	48656	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	5.919641425	8.778456955	-2.85881553	2.62E-10
peak_8537	chr3	41937261	41938379	25539	Intergenic	NM_130971	lfng	6.856548604	9.71561201	-2.859063406	2.20E-09
peak_13515	chr16	32107642	32108080	-148058	Intergenic	NM_200374	tnfaip8l2b	3.164465597	6.023550019	-2.859084422	5.61E-07
peak_36467	chr4	49702562	49702884	86250	Intergenic	NR_030521		0.625495796	3.484628449	-2.859132653	0.009479
peak_13189	chr5	17824372	17825051	95789	Intergenic	NM_001004541	zgc:92445	4.802528849	7.661808566	-2.859279717	4.19E-07
peak_10668	chr12	40005263	40005884	85077	Intergenic	NM_001110169	zgc:171957	6.090423073	8.949735452	-2.859312379	3.36E-08
peak_9277	chr7	47966304	47967087	337102	Intergenic	NM_130995	ccne1	5.501060324	8.360515206	-2.859454882	6.14E-09
peak_12435	chr2	11654483	11654897	48961	exon (NM_001004569, exon 5 of 9)	NM_001004569	abhd3	4.768153455	7.627690158	-2.859536703	2.07E-07
peak_31519	chr11	24666547	24666917	-66260	Intergenic	NM_001145767	nfasca	2.862128275	5.721825006	-2.85969673	0.003017
peak_13300	chr20	40373079	40373620	-21728	intron (NM_001014338, intron 8 of 10)	NM_001025545	clvs2	3.496684491	6.356409388	-2.859724897	4.63E-07
peak_12427	chr1	52054206	52054513	8269	exon (NM_001111157, exon 6 of 6)	NM_001111157	etaa1	3.027956891	5.888165885	-2.860208994	2.05E-07
peak_6262	chr24	35950667	35952173	73960	intron (NM_131456, intron 7 of 17)	NM_131456	ctnna1	5.969015351	8.829441748	-2.860426397	4.27E-11
peak_15331	chr19	34896920	34897461	67828	Intergenic	NM_001127256	triqk	3.50251599	6.363230291	-2.860714301	2.32E-06
peak_8560	chr10	33671245	33672028	33756	intron (NM_001020518, intron 1 of 6)	NM_001020518	ppm1e	4.8718786	7.732739793	-2.860861193	2.25E-09
peak_21431	chr9	6834485	6834776	-131945	Intergenic	NM_131150	pou3f3a	3.122017822	5.982936985	-2.860919164	8.25E-05
peak_13272	chr6	33920899	33921295	-86937	Intergenic	NM_001114437	brinp3a	3.451058288	6.312222202	-2.861163915	4.53E-07
peak_25853	chr2	1203382	1203728	83832	Intergenic	NM_001126425	si:ch211-241e1.5	1.984009138	4.845248318	-2.86123918	0.000523
peak_25774	chr12	33015949	33016435	93443	intron (NM_001034980, intron 5 of 7)	NM_001034980	vti1a	3.793743981	6.654999753	-2.861255772	0.000509
peak_9999	chr15	3200101	3200552	-145640	Intergenic	NM_001045369	zgc:153184	4.447031973	7.30837353	-2.861341557	1.56E-08
peak_6633	chr9	13466183	13467373	69961	intron (NM_001128362, intron 4 of 7)	NM_001128362	si:dkey-56k23.2	6.238716735	9.100261418	-2.861544683	8.79E-11
peak_28277	chr20	33336626	33337328	3613	exon (NM_212614, exon 3 of 3)	NM_212614	mycn	2.862128275	5.723747405	-2.861619129	0.001202
peak_22578	chr11	10359480	10360209	160537	Intergenic	NM_001003883	ect2	5.044117616	7.905756555	-2.861638939	0.00014
peak_28057	chr12	18125977	18126455	16507	Intergenic	NM_001008652	ch25h	3.420463621	6.282186191	-2.861722569	0.001123
peak_32071	chr5	45097755	45098194	8848	exon (NM_001099974, exon 4 of 10)	NM_001099974	rhobtb2a	1.938847741	4.800599653	-2.861751912	0.00349
peak_10089	chr18	25442743	25443526	-93171	Intergenic	NM_001172661	si:ch211-39k3.2	4.966535835	7.828602659	-2.862066825	1.71E-08

peak_43579	chr20	40186024	40186447	165386	Intergenic	NM_001025545	clvs2	2.122017822	4.984134283	-2.862116462	0.031121
peak_21617	chr11	27740036	27740318	-105008	Intergenic	NM_001045307	acad9	2.953113131	5.815355311	-2.86224218	9.07E-05
peak_21295	chr1	51391686	51391955	-38768	Intergenic	NM_131215	otx1a	2.828296123	5.690588643	-2.86229252	7.71E-05
peak_12181	chr21	3006732	3007604	176570	Intergenic	NM_001079958	add1	5.312102393	8.174493603	-2.86239121	1.60E-07
peak_16142	chr2	21689587	21690163	38318	Intergenic	NM_001017571	ca8	3.953113131	6.815522157	-2.862409026	4.12E-06
peak_19829	chr7	21103923	21104380	-6082	Intergenic	NM_001171587	prox1b	3.903938371	6.766521584	-2.862583213	3.73E-05
peak_11547	chr2	47586928	47587855	6293	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	5.691748046	8.554429166	-2.86268112	8.64E-08
peak_29039	chr4	16092859	16093324	30989	intron (NM_001033585, intron 3 of 14)	NM_001033585	sox5	2.751830549	5.614635736	-2.862805187	0.001529
peak_10923	chr15	11097411	11097785	563033	Intergenic	NM_130969	odz4	3.717144084	6.580018251	-2.862874167	4.51E-08
peak_14702	chr14	30362538	30363088	-282218	Intergenic	NM_001045414	zgc:153146	3.512183079	6.375480749	-2.863297671	1.46E-06
peak_6470	chr7	49916024	49917661	-385	promoter-TSS (NM_001004576)	NM_001004576	lingo1b	6.532121134	9.39545843	-2.863337296	6.33E-11
peak_10110	chr2	20162487	20163014	-78816	Intergenic	NM_001172653	agla	5.425136181	8.288513181	-2.863377	1.75E-08
peak_18418	chr2	42865400	42865841	17096	Intergenic	NM_001002469		2.732111944	5.595617809	-2.863505864	1.71E-05
peak_14736	chr5	60421370	60421788	117211	Intergenic	NM_001002701	tmem136b	3.64320069	6.506791441	-2.86359075	1.50E-06
peak_7963	chr19	45449285	45450314	-25796	intron (NM_001080992, intron 11 of 19)	NM_001040364	gatad1	6.199660318	9.063393619	-2.863733301	8.99E-10
peak_7327	chr15	10723253	10723866	188994	exon (NM_130969, exon 4 of 32)	NM_130969	odz4	6.094914478	8.958897439	-2.863982961	3.21E-10
peak_7126	chr21	4940779	4941377	12456	intron (NM_199901, intron 3 of 27)	NM_199901	zgc:55582	5.606138542	8.470234157	-2.864095614	2.19E-10
peak_9648	chr19	37992181	37992871	644473	Intergenic	NM_131814	angpt2b	5.137788458	8.001899099	-2.864110642	1.01E-08
peak_10105	chr5	29598587	29599174	40339	intron (NM_001166628, intron 4 of 12)	NM_001166628	ppp3cca	4.565315894	7.429505163	-2.864189269	1.75E-08
peak_17489	chr19	13130897	13131449	102464	Intergenic	NM_199923	seh1l	3.701920745	6.567095939	-2.865175194	9.69E-06
peak_9260	chr10	27762301	27762901	30988	intron (NM_152948, intron 1 of 7)	NM_152948	cxadr	5.023232051	7.888411248	-2.865179197	5.97E-09
peak_10069	chr15	45643268	45643983	-141353	Intergenic	NM_001278822	igsf11	5.123984162	7.989404015	-2.865419853	1.68E-08
peak_8674	chr24	3480138	3480976	17022	Intergenic	NM_001013563	slc35g2b	5.574572524	8.440291088	-2.865718565	2.61E-09
peak_15535	chr18	11049983	11050365	450310	Intergenic	NM_001013335	zgc:110789	3.410159719	6.276276784	-2.866117065	2.69E-06
peak_14127	chr5	60874717	60875160	-57640	Intergenic	NM_001017896	prkrip1	3.893534166	6.760419793	-2.866885627	9.34E-07
peak_6716	chr18	42611988	42612860	-82222	Intergenic	NM_001081628	cdon	6.107760887	8.974694419	-2.866933532	1.03E-10
peak_6544	chr6	1557236	1558479	-24457	Intergenic	NM_001110010	plxna1b	6.637691215	9.50462737	-2.866936155	7.29E-11
peak_13684	chr12	454071	454482	-11253	Intergenic	NM_001081440	hs3st3l	3.602044119	6.468980319	-2.866936199	6.47E-07
peak_18819	chr9	40077436	40077934	-20076	Intergenic	NM_200000	myl1	3.875671743	6.742983834	-2.867312091	2.15E-05
peak_17712	chr6	16402819	16403071	8332	exon (NM_001129823, exon 4 of 6)	NM_001129823	psmb3	2.215200887	5.082664829	-2.867463942	1.13E-05
peak_7497	chr10	22063889	22064757	-47521	Intergenic	NM_001109738	zgc:171684	5.960193277	8.82779916	-2.867605883	4.31E-10
peak_35769	chr4	55605406	55605661	-8419	Intergenic	NM_001111199	zgc:173710	-0.360322949	2.507439635	-2.867762584	0.008152
peak_17106	chr9	47307058	47307517	-166241	Intergenic	NM_001039358	hdac4	2.333588892	5.201356868	-2.867767976	7.54E-06
peak_7242	chr11	18743536	18744495	-49615	Intergenic	NM_200467	tmem110	5.973941228	8.841776059	-2.86783483	2.76E-10
peak_5562	chr7	54716583	54718250	62073	Intergenic	NM_001076585	zgc:153993	7.069556837	9.937867839	-2.868311002	9.01E-12
peak_20506	chr20	33461173	33461552	65260	Intergenic	NM_001044809	smek1	3.361665472	6.229988546	-2.868323075	5.31E-05
peak_9405	chr5	67291878	67292412	80061	intron (NM_001278808, intron 7 of 21)	NM_001278808	pappab	4.36172786	7.230069304	-2.868341445	7.42E-09
peak_12423	chr16	4605422	4605831	-36639	Intergenic	NM_001110349	vegfaa	3.801740793	6.670185054	-2.868444261	2.05E-07
peak_9848	chr5	48115340	48116335	808	intron (NM_001007790, intron 1 of 3)	NM_001007790	hapln1a	6.176709942	9.045234266	-2.868524324	1.31E-08
peak_33338	chr4	5899545	5899819	128741	intron (NM_001030082, intron 5 of 20)	NM_001030082	foxp2	1.831388386	4.699992119	-2.868603733	0.004747
peak_11249	chr25	34726235	34726731	109045	Intergenic	NM_001172680	zgc:136826	4.062656257	6.931365992	-2.868709735	6.33E-08
peak_24128	chr5	16934120	16934507	26977	intron (NM_001013508, intron 6 of 6)	NM_183339	tbx1	2.570823028	5.439578114	-2.868755087	0.000272
peak_6469	chr10	34014101	34015101	-112052	Intergenic	NM_001017871	myl10	6.746961932	9.615738294	-2.868776361	6.28E-11
peak_7732	chr7	55541709	55542529	27342	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	6.124911193	8.993688282	-2.868777089	6.37E-10
peak_12931	chr23	12215603	12216063	-25250	Intergenic	NM_001256764	ttll9	3.688341143	6.557122543	-2.8687814	3.26E-07
peak_6740	chr21	36662100	36663154	-74384	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	6.819002087	9.68786118	-2.868859093	1.07E-10
peak_7921	chr11	37160347	37161059	21114	intron (NM_213230, intron 2 of 20)	NM_213230	sort1a	6.365983509	9.235198143	-2.869214634	8.44E-10
peak_7251	chr13	49298544	49299344	-30572	Intergenic	NM_001159668	fbxo11a	5.402413534	8.271681745	-2.86926821	2.81E-10
peak_6400	chr23	15802288	15803259	279492	Intergenic	NM_001002371	eef1a2	6.74142457	9.610800221	-2.869375651	5.52E-11
peak_8978	chr11	40477230	40477897	-41001	Intergenic	NM_001040387	wnt4a	5.032666307	7.90228695	-2.869620643	4.06E-09
peak_9739	chr19	7033509	7034064	-25951	Intergenic	NM_131684	atp1a3a	4.915640605	7.78550227	-2.869861665	1.15E-08
peak_20163	chr22	22159359	22159734	7688	intron (NM_200423, intron 1 of 6)	NM_200423	aes	2.708761012	5.578789663	-2.870028651	4.50E-05
peak_11147	chr16	33546943	33547526	-54346	Intergenic	NM_001014347	scrt1b	5.136538966	8.006860709	-2.870321743	5.76E-08
peak_24094	chr19	1601687	1602049	76394	Intergenic	NM_183349	trpn1	2.42263522	5.293200487	-2.870565268	0.000268
peak_32424	chr18	7358873	7359395	256358	Intergenic	NM_001044963	rabl2	1.243333623	4.114080928	-2.870747305	0.003811
peak_19963	chr19	15088174	15088555	85039	Intergenic	NM_001135132	si:ch211-206a7.2	3.672909731	6.543953388	-2.871043657	4.03E-05
peak_8100	chr23	17891174	17892475	-62307	Intergenic	NR_030063		7.017963073	9.88952562	-2.871562547	1.13E-09
peak_27784	chr24	22014115	22014581	-62305	Intergenic	NM_001008636	spice1	3.795328417	6.667057857	-2.87172944	0.001025
peak_20456	chr14	19644132	19644542	19271	Intergenic	NM_213067	dusp1	3.826747503	6.698606446	-2.871858943	5.19E-05
peak_15822	chr7	36961050	36961802	9328	Intergenic	NM_001023575	irx6a	4.368129927	7.240046982	-2.871917055	3.32E-06
peak_6782	chr18	25400070	25401120	71019	Intergenic	NM_001103120	pex11a	6.857329416	9.729501136	-2.87217172	1.14E-10
peak_13765	chr6	2668256	2668903	-239306	Intergenic	NM_200334	hyi	4.883886149	7.756078218	-2.872192069	6.88E-07
peak_10163	chr3	23627130	23627603	114951	Intergenic	NM_199214	col1a1a	3.806462687	6.678693591	-2.872230904	1.87E-08
peak_12506	chr1	5271377	5271971	85918	intron (NM_001020643, intron 3 of 3)	NM_001020643	klf7a	4.071837003	6.944221069	-2.872384066	2.20E-07
peak_36134	chr8	7528097	7528357	-8680	Intergenic	NM_214790	asic1a	-0.360322949	2.512097593	-2.872420542	0.008804
peak_8021	chr23	6426753	6427647	145712	Intergenic	NM_001077146	bmp7b	4.872629271	7.745175775	-2.872546504	9.88E-10
peak_8795	chr8	52921828	52922372	-70586	Intergenic	NM_001002647	egr3	4.912681351	7.785489808	-2.872808457	3.15E-09
peak_6552	chr19	42550080	42550883	-59632	Intergenic	NM_001013293	chrac1	7.09492386	9.967774307	-2.872850447	7.38E-11
peak_24567	chr5	56315560	56315795	130474	Intergenic	NM_001130397	mamdc2a	1.618352549	4.491239214	-2.872886665	0.000326
peak_14174	chr15	11391222	11391549	386167	Intergenic	NM_001113649	zgc:172282	2.455073397	5.328092669	-2.873019272	9.68E-07
peak_16228	chr13	24842338	24843382	34569	Intergenic	NM_001004530	fuom	4.402902949	7.27600519	-2.873102242	4.36E-06
peak_15433	chr18	21822173	21822697	52254	intron (NM_001100051, intron 2 of 2)	NM_001100051	pard6a	4.295963766	7.169380082	-2.873416317	2.48E-06
peak_10529	chr19	33246684	33247305	40026	intron (NM_001044918, intron 2 of 8)	NM_001044918	znf704	4.832205444	7.705900763	-2.873695319	2.81E-08
peak_27792	chr5	75677284	75677823	92204	Intergenic	NM_200686	mtfp1	3.97012931	6.843917982	-2.873788671	0.001028
peak_13581	chr11	44102372	44102707	-165350	Intergenic	NM_212914	foxg1b	3.09910867	5.973205685	-2.874097016	5.92E-07
peak_7782	chr14	45190546	45191443	174842	Intergenic	NM_182885	pcdh10b	5.454099926	8.328496907	-2.874396981	6.74E-10
peak_12784	chr19	6885014	6886854	-70499	Intergenic	NM_001044927	erf	5.972150351	8.846617413	-2.874467063	2.85E-07
peak_5347	chr2	27135127	27136553	-22769	Intergenic	NM_001077448	cdh7	7.890207171	10.76528844	-2.87508127	5.25E-12
peak_10956	chr10	37842454	37843030	-7150	Intergenic	NM_001190303	slc1a3b	4.66161059	7.536901429	-2.875290839	4.65E-08
peak_6792	chr8	20734023	20734856	38567	Intergenic	NM_001126379	acsbg2	6.339845363	9.215374389	-2.875529026	1.16E-10
peak_9485	chr23	29309787	29310337	-258690	Intergenic	NM_001002631	dffa	4.59113946	7.466844622	-2.875705163	8.25E-09
peak_10616	chr14	53390411	53391074	-16543	Intergenic	NM_213113	rpl26	4.487892806	7.363664706	-2.875771899	3.14E-08
peak_36230	chr7	28865908	28866260	-54195	Intergenic	NM_001002471	calca	2.702019304	5.578010929	-2.875991625	0.008973
peak_7142	chr16	57453332	57455871	-11869	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	8.041631865	10.91783766	-2.876205796	2.25E-10
peak_12349	chr9	55139432	55139988	37517	Intergenic	NM_001009888	sox21b	4.054740277	6.931229484	-2.876489208	1.89E-07
peak_6979	chr13	2319663	2320271	-99369	Intergenic	NM_199718	fbxo9	6.364131965	9.241035487	-2.876903522	1.64E-10
peak_8893	chr15	32940194	32941046	66490	Intergenic	NM_001127474	dckl1b	5.420010088	8.297119918	-2.87710983	3.61E-09
peak_5658	chr18	42670813	42671716	46830	Intergenic	NM_001045140	si:ch211-151h10.	6.711034489	9.588634528	-2.877600038	1.12E-11
peak_11158	chr3	41907778	41908449	-4168	Intergenic	NM_130971	lfng	4.253810789	7.13147205	-2.877661261	5.82E-08
peak_15887	chr25	23464463	23464752	10858	intron (NM_001172647, intron 3 of 38)	NM_001172647	abcc8	2.90091206	5.779118281	-2.878206222	3.48E-06
peak_30527	chr18	23334731	23335111	324144	Intergenic	NM_131183	nr2f2	1.66069094	4.539049212	-2.878358272	0.002323
peak_24925	chr4	12730874	12731332	-29991	Intergenic	NM_001044805	nrcama	2.751830549	5.630912704	-2.879082154	0.000377
peak_8737	chr8	55685858	55687052	21277	intron (NM_131212_1, intron 3 of 3)	NM_131212_1	exorh	5.937730279	8.816868201	-2.879137921	2.89E-09
peak_13237	chr10	35339074	35339477	219111	Intergenic	NM_001114706_1	zgc:174193	3.389328476	6.268592898	-2.879264422	4.34E-07
peak_25098	chr18	2562831	2563183	-22570	Intergenic	NM_001244879	fam168a	1.831388386	4.710729268	-2.879340882	0.000402
peak_24480	chr15	38173674	38174064	39784	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	2.31603542	5.195539228	-2.879503808	0.000313
peak_32312	chr10	11618793	11618992	-114795	Intergenic	NM_001098758	ppwd1	0.625495796	3.505714857	-2.880219061	0.0037
peak_32973	chr10	44784766	44785188	117500	Intergenic	NM_214688	vcanb	1.984009138	4.864233462	-2.880224324	0.004374
peak_10501	chr21	38827440	38828092	24025	TTS (NM_001080179)	NM_001080179	slc47a2	3.961605146	6.841905321	-2.880300175	2.72E-08
peak_5921	chr17	41999175	42001655	-107481	Intergenic	NM_001098390	zgc:162576	8.317289285	11.1977142	-2.880424913	1.98E-11
peak_27625	chr15	27122968	27123571	-64032	Intergenic	NM_131216	lhx1a	3.467052111	6.347619122	-2.880567011	0.000968
peak_16818	chr7	54667409	54667913	-19169	Intergenic	NM_131291	fgf3	3.648470066	6.529378595	-2.88090853	6.36E-06
peak_33169	chr20	37146840	37147154	-172633	Intergenic	NM_001013546	cx23	0.625495796	3.506419761	-2.880923966	0.004572
peak_18036	chr18	18159889	18160541	42311	intron (NM_001008573, intron 9 of 14)	NM_001128701	si:ch211-239j19.:	4.745287581	7.626395453	-2.881107871	1.39E-05
peak_12398	chr14	14925829	14926548	-25389	Intergenic	NM_001014818	phox2bb	4.162011373	7.043684714	-2.881673341	1.99E-07

peak_29048	chr3	15832937	15833713	14309	intron (NM_001002652, intron 2 of 12)	NM_001002652	cacnb1	4.104305698	6.986021578	-2.88171588	0.001534
peak_11398	chr7	54521001	54521909	-55857	Intergenic	NM_131025	ccnd1	4.800906293	7.682672551	-2.881766258	7.43E-08
peak_12698	chr22	41878684	41879387	9740	intron (NM_131379, intron 1 of 15)	NM_131379	kal1b	4.808817851	7.690833416	-2.882015565	2.63E-07
peak_33023	chr8	43578420	43578972	-25273	Intergenic	NM_200838	golga1	2.705394096	5.587469261	-2.882075165	0.004423
peak_30649	chr1	23008610	23008859	-121644	Intergenic	NM_200059	rps3a	1.66069094	4.543316131	-2.88262519	0.002395
peak_31821	chr17	52931989	52932251	118159	Intergenic	NM_001128292	prox2	-0.360322949	2.522762895	-2.883085844	0.003286
peak_13034	chr9	29225583	29226246	-40164	Intergenic	NM_131134	fzd5	3.457076769	6.340248898	-2.883172129	3.66E-07
peak_14221	chr20	36544880	36545741	96611	intron (NM_001013521, intron 3 of 12)	NM_001013521	enah	4.753556765	7.637344116	-2.883787351	1.00E-06
peak_23949	chr8	54762167	54762523	-19442	Intergenic	NM_131256	nr6a1a	2.122017822	5.005844339	-2.883826518	0.000251
peak_11815	chr5	42170295	42170740	-34988	Intergenic	NM_131037	fsta	3.695146922	6.578981638	-2.883834716	1.11E-07
peak_13553	chr21	34912277	34912753	-100770	Intergenic	NM_001001816	sgcd	4.17667448	7.060583237	-2.883908757	5.78E-07
peak_5779	chr17	36485339	36486436	210647	Intergenic	NM_001007331	colec11	7.20626096	10.09069872	-2.884437761	1.44E-11
peak_11859	chr16	31271542	31272716	18665	Intergenic	NM_001199720	LOC555692	5.408668157	8.29339913	-2.884730973	1.16E-07
peak_5803	chr2	27664491	27666061	26005	intron (NM_001144819, intron 1 of 13)	NM_001144819	zswim5	7.040723481	9.925531474	-2.884807993	1.51E-11
peak_20084	chr22	18910308	18910702	60090	Intergenic	NM_207052	midn	2.438945476	5.323814472	-2.884868996	4.32E-05
peak_18063	chr20	49058755	49059141	22303	intron (NM_001001944, intron 28 of 30)	NM_131589	nkx2.1a	3.477074143	6.361968098	-2.884893955	1.41E-05
peak_25366	chr3	37251444	37251917	-108317	Intergenic	NM_001024223	mlx	3.521897487	6.406934147	-2.88503666	0.000443
peak_36626	chr4	40339333	40340210	-576679	Intergenic	NM_001100956	si:dkeyp-4c4.1	-0.360322949	2.524806267	-2.885129216	0.009786
peak_13386	chr21	3808943	3809325	-119765	Intergenic	NM_175082	smad7	2.540911861	5.426386098	-2.885474237	5.07E-07
peak_7913	chr16	35653666	35654786	176707	Intergenic	NM_001020635	rragca	5.655953098	8.541478266	-2.885525168	8.34E-10
peak_14141	chr13	1112444	1112988	67299	Intergenic	NM_001110393	olig3	4.584686684	7.470474354	-2.885787671	9.41E-07
peak_8007	chr8	6416432	6417100	476620	Intergenic	NM_001082937	or129-1	4.132157201	7.018083753	-2.885926552	9.72E-10
peak_17230	chr18	26487924	26488363	210156	Intergenic	NM_001007395	def8	3.751925757	6.638211687	-2.886285931	8.18E-06
peak_7838	chr22	13141211	13141683	40838	intron (NM_001024816, intron 2 of 10)	NM_001024816	ahr1b	4.416410954	7.303060508	-2.886649554	7.38E-10
peak_10947	chr2	45459747	45460368	105927	Intergenic	NM_200438	gpsm2	4.775396789	7.662751709	-2.88735492	4.61E-08
peak_21069	chr5	60336977	60337314	180922	Intergenic	NM_001076705	ccdc84	1.787481669	4.675016031	-2.887534362	6.94E-05
peak_10593	chr3	6814057	6814622	128928	Intergenic	NM_001003625_1	nup85	4.963720362	7.851593692	-2.88787333	3.04E-08
peak_7019	chr9	31740027	31740750	-12968	Intergenic	NM_001109865	klf12b	5.543271134	8.431238313	-2.88796718	1.76E-10
peak_7855	chr23	29273051	29273918	-222112	Intergenic	NM_001002631	dffa	5.078397056	7.966621378	-2.888224322	7.51E-10
peak_14007	chr18	19629042	19629505	28553	intron (NM_001045129, intron 14 of 20)	NM_001045129	iqch	4.230507512	7.119133501	-2.888625989	8.50E-07
peak_21419	chr21	35463083	35463395	35672	Intergenic	NM_001002503	ndfip1l	3.091390725	5.980168256	-2.888777531	8.21E-05
peak_22781	chr14	7483530	7484300	63499	intron (NM_001256636, intron 7 of 7)	NM_001256636	gfra3	3.200926086	6.089758673	-2.888832586	0.000153
peak_5729	chr17	10852916	10853609	-13147	Intergenic	NM_001258228	si:ch211-185a18.	5.970418617	8.859633386	-2.88921477	1.28E-11
peak_8121	chr7	42152274	42152986	-20999	Intergenic	NM_001077256	rnf32	5.260708926	8.150398168	-2.889689242	1.18E-09
peak_6289	chr14	18837847	18838633	96562	Intergenic	NM_001256193	slbp	6.404476188	9.294214463	-2.889738275	4.47E-11
peak_8232	chr17	43766019	43766763	-56238	Intergenic	NM_183341	egr2a	5.374004566	8.264125665	-2.890121099	1.41E-09
peak_34048	chr23	2141273	2141675	-82352	Intergenic	NM_001002301	prdm5	-0.360322949	2.52990176	-2.890224709	0.005586
peak_6719	chr7	12888143	12889418	-4187	Intergenic	NM_001080993	mex3b	7.025576716	9.915951569	-2.890374853	1.03E-10
peak_9675	chr22	20761521	20762090	14289	Intergenic	NM_001104941	foxq2	4.470089187	7.360796393	-2.890707206	1.05E-08
peak_7938	chr14	37714564	37715524	-57436	Intergenic	NM_001110281	aga	5.382462293	8.27324445	-2.890782157	8.66E-10
peak_11675	chr20	608232	609415	428	intron (NM_001037398, intron 1 of 6)	NM_001037398	kcnk2b	4.733765494	7.624879762	-2.891114268	9.63E-08
peak_14385	chr16	47789387	47789848	47233	Intergenic	NM_001078168	sult2st3	3.236351702	6.127533732	-2.89118203	1.14E-06
peak_21483	chr7	33559659	33560088	-204573	Intergenic	NM_200239	kif18a	2.950271315	5.84165157	-2.891380255	8.46E-05
peak_21960	chr7	16714017	16714404	77470	intron (NM_001017638, intron 9 of 9)	NM_131641	pax6b	2.953113131	5.844801799	-2.891688668	0.000107
peak_17260	chr13	3423080	3423648	167775	Intergenic	NM_201129	ncoa4	3.798584256	6.690301477	-2.891717221	8.33E-06
peak_6850	chr6	6441702	6442308	34177	intron (NM_001100951, intron 2 of 2)	NM_001100951	bcl11ab	5.265894306	8.158574069	-2.892679763	1.29E-10
peak_9562	chr2	49924715	49925148	-62969	Intergenic	NM_001277094	rorcb	4.09910867	6.991840414	-2.892731745	9.13E-09
peak_17708	chr3	28248330	28248650	-21676	Intergenic	NM_001005596	rbfox1	2.438945476	5.331796722	-2.892851246	1.13E-05
peak_29728	chr8	17822069	17822367	118206	Intergenic	NM_001003556	dimt1l	0.234016866	3.12688001	-2.892863144	0.001874
peak_5651	chr24	9054032	9055074	40095	Intergenic	NM_199567	tgif1	7.034176789	9.927069336	-2.892892547	1.09E-11
peak_15616	chr7	20055319	20055819	40493	intron (NM_001017819, intron 2 of 12)	NM_001017819	mllt3	3.621928594	6.515296628	-2.893368035	2.83E-06
peak_16851	chr21	19449410	19450035	-93193	Intergenic	NM_213226	zgc:85869	4.538966488	7.432615743	-2.893649255	6.49E-06
peak_11662	chr24	32908404	32909288	317235	Intergenic	NM_001002229	snx7	4.030649868	6.924329642	-2.893679774	9.53E-08
peak_7758	chr14	32960224	32960895	68408	Intergenic	NM_001001837	zic6	5.752309887	8.646382279	-2.894072392	6.56E-10
peak_21308	chr1	40301908	40302276	-43789	Intergenic	NM_200369	tmem134	2.075829856	4.970086758	-2.894256902	7.75E-05
peak_7295	chr16	1460271	1461020	69373	Intergenic	NM_178222	sim1a	5.015736251	7.910019446	-2.894283195	3.06E-10
peak_24636	chr2	19589863	19590305	28986	Intergenic	NM_131615	pbx1a	2.702019304	5.596468927	-2.894449622	0.000335
peak_6222	chr20	39039443	39040238	87988	intron (NM_001082893, intron 5 of 5)	NM_214819	rcan2	7.362254656	10.25672678	-2.894472127	3.91E-11
peak_12012	chr1	47735064	47736511	60151	Intergenic	NM_001003579	morc3b	5.491806838	8.386456849	-2.894650011	1.36E-07
peak_10826	chr3	23631776	23632160	119553	Intergenic	NM_199214	col1a1a	3.093967964	5.988637125	-2.894669161	3.99E-08
peak_11045	chr1	21884575	21885025	157863	Intergenic	NM_001089491	rfc1	4.293658114	7.18856134	-2.894903226	5.17E-08
peak_14559	chr1	36116223	36116767	-28556	Intergenic	NM_212807	pou4f2	4.506447035	7.401508286	-2.895061251	1.30E-06
peak_7313	chr22	18913016	18913694	57240	Intergenic	NM_207052	midn	5.191861895	8.087527857	-2.895665963	3.12E-10
peak_6371	chr12	33374892	33375572	-25133	Intergenic	NM_001110373	habp2	5.870751862	8.766430187	-2.895678325	5.22E-11
peak_6755	chr3	48681926	48682946	171722	Intergenic	NM_001079978	zgc:158309	5.618300328	8.513999823	-2.895699494	1.10E-10
peak_13570	chr5	28015532	28015925	122074	intron (NM_001128534, intron 3 of 15)	NM_001128534	arvcfb	3.226989601	6.122796398	-2.895806798	5.89E-07
peak_13719	chr11	29780294	29780635	178551	intron (NM_001278321, intron 2 of 9)	NM_001034184	igsf21a	2.735417151	5.631285819	-2.895868668	6.64E-07
peak_7173	chr21	7994855	7995581	17884	intron (NM_001045299, intron 1 of 12)	NM_001045299	crb2a	5.939164292	8.835220032	-2.89605574	2.39E-10
peak_35936	chr3	42065621	42065974	-19449	Intergenic	NM_001162443	snx8a	2.363802745	5.259947363	-2.896144618	0.008421
peak_7263	chr21	8008178	8008987	4520	intron (NM_001045299, intron 1 of 12)	NM_001045299	crb2a	6.107123137	9.003722611	-2.896599474	2.86E-10
peak_8424	chr18	35319400	35320046	173271	Intergenic	NM_001044905	ttc9b	5.963720362	8.860497238	-2.896776876	1.90E-09
peak_23048	chr23	29311927	29312575	-260879	Intergenic	NM_001002631	dffa	2.862128275	5.75895724	-2.896828965	0.000172
peak_8465	chr13	37848065	37848828	14376	intron (NM_194412, intron 3 of 14)	NM_194412	ppp2r5eb	5.608870477	8.505773892	-2.896903415	2.01E-09
peak_27872	chr23	39229901	39230355	154153	Intergenic	NM_001045224	bmf1	2.912638768	5.809810103	-2.897171335	0.001056
peak_13427	chr17	44395502	44396968	91061	Intergenic	NM_001113796	exoc5	6.236368714	9.13388225	-2.897513536	5.23E-07
peak_21016	chr9	13441728	13442147	45120	intron (NM_001128362, intron 2 of 7)	NM_001128362	si:dkey-56k23.2	3.555944961	6.453880026	-2.897935065	6.77E-05
peak_21277	chr21	28846753	28847079	8279	intron (NM_001173499, intron 4 of 13)	NM_001173499	slc23a1	2.200926086	5.098887662	-2.897961576	7.65E-05
peak_19945	chr21	40441079	40441557	-50480	Intergenic	NR_034203		2.075829856	4.973935478	-2.898105622	3.98E-05
peak_13489	chr7	24937855	24938196	-24988	Intergenic	NM_001003457	zgc:92429	2.892054049	5.790167653	-2.898113604	5.50E-07
peak_9560	chr14	17720003	17720601	7814	Intergenic	NM_001159841	LOC100149406	5.240462523	8.138615985	-2.898153462	9.11E-09
peak_5487	chr19	1188970	1190085	-56263	Intergenic	NM_001113601	scrt1a	6.667258602	9.565444492	-2.89818589	7.46E-12
peak_7987	chr13	49916814	49918261	-191684	Intergenic	NM_001003463	ntpcr	5.920367656	8.819031414	-2.898663758	9.34E-10
peak_13072	chr20	44404129	44404647	98789	Intergenic	NM_130940	bon	4.475040695	7.373796413	-2.898755718	3.79E-07
peak_14880	chr18	45582162	45582624	-165692	Intergenic	NM_199925	zgc:77304	4.09910867	6.997990432	-2.898881763	1.66E-06
peak_30767	chr24	4954719	4955120	98533	Intergenic	NM_130933	zic1	2.718814869	5.617936764	-2.899121895	0.002466
peak_38100	chr18	27572927	27573431	52805	exon (NM_212663, exon 9 of 10)	NM_212663	cd82b	2.075829856	4.975049883	-2.899220028	0.012988
peak_6097	chr8	8650811	8652253	-55663	Intergenic	NM_001122628_1		6.945242996	9.844576598	-2.899333602	3.02E-11
peak_14029	chr13	33626277	33626547	-3722	intron (NM_199898, intron 7 of 21)	NM_001114925	btbd6a	2.742004936	5.641587572	-2.899582637	8.65E-07
peak_23910	chr7	32125648	32126136	9599	Intergenic	NM_001020766	mcee	3.368192036	6.267779253	-2.899587217	0.000247
peak_16267	chr23	35744567	35744967	948	intron (NM_001105126, intron 1 of 3)	NM_001105126	tuba1l	3.445014594	6.344639822	-2.899625228	4.47E-06
peak_20230	chr20	26292197	26292623	120565	Intergenic	NM_152959	esr1	3.119490251	6.019137628	-2.899647377	4.65E-05
peak_32092	chr23	5857672	5858257	-24693	Intergenic	NM_205567	csrp1a	2.430813397	5.33056647	-2.899753073	0.003501
peak_10864	chr5	19106836	19107597	-451771	Intergenic	NM_001100015	chfr	5.201453983	8.101258353	-2.89980437	4.22E-08
peak_25795	chr16	6945319	6945773	11627	intron (NM_001080659, intron 5 of 15)	NM_001080659	zgc:158689	4.472129621	7.371989934	-2.899860313	0.000512
peak_8729	chr20	33375329	33376324	42462	Intergenic	NM_212614	mycn	6.097485434	8.997503618	-2.900018184	2.87E-09
peak_22081	chr4	5416058	5416751	6054	Intergenic	NM_001044836	si:dkey-14d8.7	5.950292059	8.850400632	-2.900108572	0.000113
peak_11284	chr13	30682752	30683776	-47119	Intergenic	NM_001113339	zmiz1a	4.992402332	7.892649062	-2.90024673	6.54E-08
peak_13060	chr6	26444746	26445928	158641	Intergenic	NM_201474	hdlbpa	5.314346545	8.214855906	-2.900509361	3.76E-07
peak_32187	chr20	22810659	22810942	24633	intron (NM_001013564, intron 2 of 5)	NM_001013564	scfd2	-0.360322949	2.540406093	-2.900729042	0.003583
peak_8525	chr6	2102098	2102726	37991	intron (NM_001083853, intron 2 of 9)	NM_001083853	pbx1b	5.183380884	8.084247594	-2.900866711	2.17E-09
peak_19247	chr5	32535552	32535901	27463	intron (NM_001114455, intron 1 of 1)	NM_001083847	spns2	2.953113131	5.854061403	-2.900948271	2.70E-05
peak_13260	chr13	10433944	10434386	69520	intron (NM_001142592, intron 23 of 37)	NM_001142592	lrpprc	2.886118348	5.787133999	-2.901015651	4.45E-07
peak_35998	chr9	419049	419533	10769	Intergenic	NM_001020670	lims2	2.705394096	5.606502543	-2.901108447	0.008524
peak_34604	chr10	44805143	44807178	138683	Intergenic	NM_214688	vcanb	-0.360322949	2.541177121	-2.90150007	0.006324
peak_30312	chr16	44246849	44247145	10486	intron (NM_001044756, intron 2 of 4)	NM_001044756	cmtm6	0.234016866	3.135615306	-2.90159844	0.002203

peak_9077	chr13	17326421	17327055	186597	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	3.843780917	6.745454355	-2.901673439	4.69E-09
peak_8501	chr13	49755761	49756727	-30391	Intergenic	NM_001003463	ntpcr	5.797352646	8.699069393	-2.901716748	2.11E-09
peak_21108	chr11	951197	951520	-57507	intron (NM_212882_3, intron 6 of 8)	NM_001042731	hrh1	2.784293744	5.686305308	-2.902011564	7.07E-05
peak_21347	chr17	53526915	53527337	25271	intron (NM_001076722, intron 5 of 10)	NM_001076722	zgc:154061	2.570823028	5.472903844	-2.902080816	7.91E-05
peak_10747	chr10	27896363	27896811	164974	Intergenic	NM_152948	cxadr	3.83917979	6.74145813	-2.90227834	3.64E-08
peak_8396	chr8	45829493	45830433	-8047	Intergenic	NM_130917	fzd10	5.398218533	8.300541819	-2.902323286	1.83E-09
peak_7742	chr21	28809398	28809953	22577	Intergenic	NM_001002076	fabp6	4.494735408	7.397173023	-2.902437615	6.43E-10
peak_5898	chr7	37305040	37306551	-140852	Intergenic	NM_001045227	irx5a	5.987192641	8.889901247	-2.902708607	1.88E-11
peak_10823	chr5	58968075	58969469	341	intron (NM_001079702, intron 1 of 6)	NM_001079702	pisd	6.368662153	9.271836011	-2.903173858	3.98E-08
peak_18012	chr24	20274792	20275169	-7476	Intergenic	NM_199619	csrnp1b	3.210458296	6.113848948	-2.903390651	1.37E-05
peak_11498	chr20	22474887	22475399	-4226	Intergenic	NM_001025512	gsx2	3.399781695	6.30319924	-2.903417545	8.21E-08
peak_10022	chr23	11394969	11395482	-85171	Intergenic	NM_001163106	chl1a	4.065285294	6.96877905	-2.903493756	1.60E-08
peak_7993	chr8	10657	11287	-77127	Intergenic	NM_001089546_1	zgc:163014	6.128372447	9.03216218	-2.903789732	9.45E-10
peak_18062	chr2	35409303	35409729	-39350	Intergenic	NM_001020770	ankrd45	2.800163388	5.704095833	-2.903932445	1.41E-05
peak_6929	chr20	47788535	47789130	-25303	Intergenic	NM_001002566	rab10	4.704501946	7.608962192	-2.904460246	1.50E-10
peak_12429	chr2	27590229	27590762	39025	Intergenic	NM_001076593	zgc:153394	4.409185638	7.31365464	-2.904469002	2.06E-07
peak_6791	chr1	6669368	6670590	84502	Intergenic	NM_001013498	eng1b	7.593873361	10.49886576	-2.904992394	1.15E-10
peak_14075	chr3	29258642	29259398	154626	Intergenic	NM_212894	lgals2a	4.268781826	7.173882246	-2.90510042	8.99E-07
peak_9109	chr19	36942328	36943131	6447	intron (NM_001202440, intron 1 of 8)	NM_001202440	rnf19b	4.619195203	7.524663035	-2.905467832	4.90E-09
peak_12993	chr9	23986255	23987016	10607	intron (NM_001159665, intron 1 of 5)	NM_001159665	si:dkey-91i10.2	4.675493122	7.581344891	-2.905851768	3.49E-07
peak_10931	chr18	14991222	14991930	-31994	Intergenic	NM_205712	rfx4	4.000666855	6.90669776	-2.906030905	4.54E-08
peak_6524	chr6	9629502	9630467	-10269	Intergenic	NM_001197058	nfil3-5	7.321511783	10.22798488	-2.906473099	7.08E-11
peak_24237	chr13	43665154	43665423	146896	intron (NM_214809, intron 14 of 68)	NM_001077581	zgc:153073	1.434885166	4.341370196	-2.90648503	0.000286
peak_10310	chr9	53181715	53183166	-268789	Intergenic	NM_001076600	tank	4.988944759	7.895944724	-2.906999965	2.21E-08
peak_27077	chr10	614134	614494	14567	intron (NM_001080048, intron 1 of 16)	NM_001080048	rfx3	1.944570835	4.851633562	-2.907062727	0.000797
peak_18210	chr16	43116334	43116739	9086	intron (NM_200244, intron 1 of 1)	NM_200244	plekhf2	2.725478726	5.633542003	-2.908063277	1.54E-05
peak_29949	chr10	39893868	39894203	15497	Intergenic	NM_001110374	serpinh1a	2.200926086	5.109132896	-2.908206809	0.001995
peak_8907	chr17	27263133	27264517	2643	Intergenic	NR_030062		6.200592309	9.108886376	-2.908294067	3.67E-09
peak_13534	chr18	11178852	11179314	321401	Intergenic	NM_001013335	zgc:110789	3.397697102	6.306067999	-2.908370897	5.69E-07
peak_17039	chr15	46630055	46630967	-22899	Intergenic	NM_205646	zgc:77147	4.050765939	6.959233742	-2.908467802	7.18E-06
peak_36863	chr5	60989525	60989917	12964	intron (NM_001099451, intron 1 of 20)	NM_001099451	rasa4	-0.360322949	2.548191583	-2.908514532	0.010281
peak_6057	chr3	6613277	6614112	-49700	Intergenic	NM_001089460	pkn1b	6.923439501	9.832020538	-2.908581038	2.74E-11
peak_12846	chr10	32414895	32415623	37937	intron (NM_131482, intron 2 of 26)	NM_131482	robo3	5.199695219	8.108464024	-2.908768805	3.01E-07
peak_16647	chr6	22987274	22987643	75248	intron (NM_001256241, intron 3 of 16)	NM_001256241	prkca	3.17667448	6.085859711	-2.909185231	5.74E-06
peak_22109	chr9	24244652	24245047	5692	intron (NM_001123275, intron 1 of 24)	NM_001123275	kif5c	3.637911999	6.547252649	-2.90934065	0.000114
peak_15461	chr6	36280599	36281241	42371	Intergenic	NM_001080682	lrrc15	5.163816653	8.073223365	-2.909406712	2.54E-06
peak_9194	chr14	3159926	3160597	-23891	Intergenic	NM_131590	cd74a	5.439929223	8.349852046	-2.909922823	5.47E-09
peak_8499	chr23	12106121	12106837	-134604	Intergenic	NM_001256764	ttll9	5.377182027	8.287230164	-2.910048137	2.10E-09
peak_22816	chr6	33176356	33176846	-58323	Intergenic	NM_201143	pik3r3b	3.46903893	6.37915846	-2.910119531	0.000155
peak_17316	chr24	1262992	1263660	67659	intron (NM_181497, intron 2 of 16)	NM_181497	nrp1a	4.925121488	7.835563112	-2.910441625	8.60E-06
peak_12149	chr18	34539379	34540154	-64100	Intergenic	NM_001015066	b3gat1a	4.419496475	7.330249783	-2.910753308	1.56E-07
peak_13950	chr19	21666409	21666654	-224475	Intergenic	NM_001042746	tshz1	2.892054049	5.802838628	-2.910784579	8.06E-07
peak_22116	chr3	28715750	28716196	100437	Intergenic	NM_001201336	fbxl16	0.944570835	3.855659683	-2.911088848	0.000115
peak_27261	chr18	4705076	4705432	18340	Intergenic	NM_001202433	ctxn2	0.653720264	3.564972556	-2.911252291	0.000853
peak_7904	chr7	17831908	17832517	-28966	Intergenic	NM_131158	dbx1a	5.383516031	8.294963665	-2.911447634	8.19E-10
peak_8325	chr14	33523293	33523993	-95678	Intergenic	NM_001039135	inppl1b	5.761660622	8.673268525	-2.911607903	1.64E-09
peak_7472	chr21	40341736	40342380	-6614	Intergenic	NM_001030122	ppp2r2bb	5.661176185	8.572960651	-2.911784466	4.08E-10
peak_20901	chr14	40691437	40691827	-164072	Intergenic	NM_131782	glra4a	2.471023015	5.383204259	-2.912181244	6.41E-05
peak_8341	chr5	19393167	19394203	-165302	Intergenic	NM_001100015	chfr	5.278444033	8.190977272	-2.912533239	1.68E-09
peak_22261	chr5	65680246	65680534	8624	intron (NM_001100016, intron 1 of 7)	NM_001100016	si:ch211-253h3.1	2.912638768	5.825254351	-2.912615583	0.000122
peak_13618	chr15	34995232	34995646	-205495	Intergenic	NM_001017614	rhbdd1	4.181599935	7.094392081	-2.912792146	6.15E-07
peak_41006	chr15	2081311	2081672	96151	intron (NM_131769, intron 6 of 7)	NM_201196	shox2	-0.360322949	2.552474647	-2.912797596	0.021304
peak_39874	chr2	23717784	23718081	65164	intron (NM_001042722, intron 5 of 14)	NM_001042722	kcnh2a	-0.360322949	2.553323756	-2.913646705	0.017623
peak_30522	chr8	7734640	7734997	21103	intron (NM_001126386, intron 3 of 13)	NM_001126386	LOC556480	2.544684847	5.458818339	-2.914133492	0.002322
peak_11114	chr4	12154290	12154891	-92718	intron (NM_001044851, intron 11 of 23)	NM_001083052	si:dkey-6a5.3	4.399781695	7.31398508	-2.914203385	5.55E-08
peak_8688	chr2	1503182	1504048	63916	Intergenic	NR_111928_1		6.310148016	9.224923702	-2.914775686	2.67E-09
peak_11224	chr19	33315878	33316580	-29209	Intergenic	NM_001044918	znf704	5.110608718	8.025698954	-2.915090236	6.13E-08
peak_9678	chr17	21233709	21234297	14265	intron (NM_182878, intron 1 of 13)	NM_182878	atp6v1ba	5.023192609	7.938628167	-2.915435558	1.05E-08
peak_14198	chr15	34696513	34697100	147180	Intergenic	NM_001080189_1	zgc:158328	3.229335828	6.145108343	-2.915772515	9.84E-07
peak_14041	chr24	3735645	3736190	179235	Intergenic	NM_001168264	wdr37	3.282403856	6.19847244	-2.916068584	8.77E-07
peak_29729	chr20	1013106	1013527	-80114	intron (NM_212867, intron 12 of 15)	NM_212820	cnr1	1.426730103	4.342814671	-2.916084568	0.001875
peak_6591	chr5	2726708	2727405	-71406	Intergenic	NM_201167	hpda	5.560638036	8.476847952	-2.916209916	7.95E-11
peak_7522	chr25	11691433	11692132	-298326	Intergenic	NM_001265607	mespbb	6.172430897	9.088840651	-2.916409754	4.55E-10
peak_9459	chr10	35464250	35464674	-248828	Intergenic	NM_001013500	nbeaa	4.159552967	7.076013802	-2.916460834	7.94E-09
peak_25729	chr1	29712234	29712531	32879	intron (NM_001045236, intron 1 of 10)	NM_001045236	dachc	2.215200887	5.131729478	-2.916528591	0.000501
peak_7432	chr1	41215676	41216602	76110	Intergenic	NM_001045371	hmx4	6.05172188	8.96832029	-2.916598409	3.83E-10
peak_24940	chr20	41303288	41303661	502478	Intergenic	NM_001100023	si:dkey-233p4.1	2.751830549	5.668734062	-2.916903512	0.000379
peak_13742	chr22	33533460	33533800	129411	Intergenic	NM_001040377	zgc:136895	2.90091206	5.817954447	-2.917042388	6.78E-07
peak_26993	chr10	3744216	3744691	216695	Intergenic	NM_001037412	zgc:123275	2.224639552	5.141724528	-2.917084976	0.000777
peak_14092	chr10	39580796	39581384	28760	intron (NM_001001886, intron 10 of 23)	NM_001001886	usp25	4.954490577	7.87193547	-2.917444893	9.08E-07
peak_24777	chr1	19050447	19051434	-239109	Intergenic	NM_207071	mettl14	4.41840872	7.335884754	-2.917476034	0.000356
peak_11577	chr6	10487167	10487810	176966	Intergenic	NM_001281986	ola1	4.695196434	7.612744713	-2.917548279	8.84E-08
peak_26443	chr6	1260860	1261253	99471	intron (NM_001110010_1, intron 13 of 17)	NM_001110010_1	plxna1b	3.188780911	6.106371362	-2.917590451	0.000639
peak_8468	chr1	22608602	22609693	-31825	intron (NM_131735, intron 4 of 35)	NR_030122		5.619642432	8.537251169	-2.917608737	2.02E-09
peak_12316	chr9	13723528	13723952	-92471	Intergenic	NM_131139	fzd7a	3.295898468	6.213510806	-2.917612337	1.82E-07
peak_15558	chr13	38703157	38703947	80093	Intergenic	NR_120381		4.153388562	7.071402286	-2.918013725	2.72E-06
peak_33919	chr13	49525959	49526424	-123594	Intergenic	NM_182860	msh6	1.44299439	4.361755781	-2.918761391	0.005436
peak_11219	chr23	15722214	15722875	-281332	Intergenic	NM_001003833	sulf2b	4.986825782	7.905960789	-2.919135007	6.09E-08
peak_17212	chr17	11203925	11204201	-10692	intron (NM_001258228_1, intron 8 of 20)	NM_212687	irf2bpl	2.725478726	5.644642779	-2.919164053	8.06E-06
peak_8820	chr15	7869742	7870422	93448	intron (NM_001113555, intron 1 of 9)	NM_001113555	cadm2b	5.729652232	8.648887998	-2.919235766	3.28E-09
peak_25013	chr6	16048040	16048482	99273	Intergenic	NM_152964	gbx2	3.19853316	6.117818702	-2.919285541	0.00039
peak_15201	chr25	30510280	30510662	-56980	Intergenic	NM_212987	ube2q2	3.284661742	6.204036505	-2.919374763	2.09E-06
peak_22746	chr19	6864559	6865006	-49347	Intergenic	NM_001044927	erf	2.091390725	5.010985431	-2.919594705	0.00015
peak_21328	chr2	35081815	35082529	120452	intron (NM_194383, intron 3 of 23)	NM_194383	tnr	4.185159637	7.104843011	-2.919683374	7.83E-05
peak_21175	chr3	44858214	44858564	-66951	Intergenic	NM_001080589	hs3st4	2.912638768	5.832328709	-2.919689941	7.34E-05
peak_22475	chr23	25926557	25927049	-69341	Intergenic	NM_001003541	rbms2b	3.937413413	6.857116346	-2.919702933	0.000134
peak_23257	chr14	25470638	25471016	-60490	Intergenic	NM_131627	cxcl14	2.986785331	5.906903616	-2.920118285	0.000187
peak_6339	chr10	32250939	32251608	16306	Intergenic	NM_200398	tmem218	6.684724941	9.605041842	-2.920316901	4.88E-11
peak_17456	chr1	35295673	35296197	65898	intron (NM_213357, intron 4 of 8)	NM_001137659	frem3	3.517952391	6.4384256	-2.920473209	9.46E-06
peak_15762	chr14	33043759	33044128	84695	Intergenic	NM_001007399	fgf13a	3.104231123	6.024815551	-2.920584428	3.21E-06
peak_7289	chr20	27498107	27498686	62911	Intergenic	NR_030115		5.525187442	8.445798929	-2.920611486	3.01E-10
peak_12956	chr21	33518252	33519015	105447	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	5.46113342	8.381914186	-2.920780766	3.36E-07
peak_38976	chr13	54025978	54026224	-20874	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	-0.360322949	2.560495243	-2.920818192	0.015211
peak_11888	chr7	22267319	22267980	132748	Intergenic	NM_131806	efnb3b	4.100390989	7.021685516	-2.921294527	1.20E-07
peak_17072	chr13	10175852	10176577	-10239	Intergenic	NM_001145616	prepl	5.14960497	8.070946599	-2.921341629	7.35E-06
peak_8227	chr5	8556109	8556996	-2608	Intergenic	NM_001002654	pdlim5a	5.932318996	8.853772108	-2.921453113	1.40E-09
peak_38581	chr5	58652357	58652788	-41095	Intergenic	NM_001110027	man2a1	0.653720264	3.575265679	-2.921545414	0.014174
peak_28632	chr12	107013	107342	94080	Intergenic	NM_001089421	map2k4b	0.978440673	3.900655266	-2.922214593	0.001344
peak_7448	chr14	32979213	32980248	87579	Intergenic	NM_001001837	zic6	6.224051441	9.146850769	-2.922799328	3.97E-10
peak_32654	chr7	47086925	47087538	-486059	Intergenic	NM_001020749	pop4	2.712120089	5.635008184	-2.922888096	0.004029
peak_22323	chr6	41250572	41250916	-90093	Intergenic	NM_001004532	synpr	2.935977657	5.85911372	-2.923136062	0.000126
peak_35533	chr23	17098082	17098479	-949	promoter-TSS (NM_001159639)	NM_001159639	si:dkey-147f3.4	-0.360322949	2.562863781	-2.92318673	0.007732
peak_28396	chr22	11298779	11299055	44614	intron (NM_205626, intron 10 of 12)	NM_205626	bcor	2.342286181	5.265669909	-2.923383728	0.001247
peak_9988	chr15	34879072	34879816	-321490	Intergenic	NM_001017614	rhbdd1	4.625443833	7.54905062	-2.923606787	1.54E-08
peak_7754	chr3	56513910	56515607	84983	Intergenic	NM_001099249_1	zgc:165627	5.956990863	8.880752711	-2.923761847	6.51E-10

peak_14022	chr24	1548480	1549544	89820	Intergenic	NM_001113644_4	zgc:172101	5.203842074	8.127637377	-2.923795303	8.58E-07
peak_19736	chr20	45589612	45590017	273801	Intergenic	NM_001080702	zgc:158643	2.793836463	5.717713341	-2.923876878	3.53E-05
peak_15729	chr23	39416084	39416526	-6559	Intergenic	NM_001110410	kcng1	2.650222256	5.574292291	-2.924070035	3.11E-06
peak_6037	chr13	49499423	49500351	-97290	Intergenic	NM_182860	msh6	6.057694607	8.982362298	-2.924667691	2.58E-11
peak_15680	chr3	28432290	28432905	-205783	Intergenic	NM_001005596	rbfox1	5.082333961	8.007575925	-2.925241965	3.02E-06
peak_14181	chr20	20495926	20496271	-13909	Intergenic	NM_001044806	prkchb	3.164465597	6.090169254	-2.925703656	9.74E-07
peak_6006	chr12	26101152	26102762	-143349	intron (NM_001080021, intron 17 of 21)	NM_001001812	fshr	5.661176185	8.58694516	-2.925768975	2.38E-11
peak_6805	chr23	36185401	36186608	3405	intron (NM_001134685, intron 2 of 4)	NM_131122	hoxc4a	5.891335029	8.817230246	-2.925895217	1.19E-10
peak_22989	chr9	10710195	10710510	-207383	Intergenic	NM_131834	cxcr4b	2.751830549	5.677834983	-2.926004434	0.000168
peak_35086	chr5	27158486	27158940	68961	Intergenic	NM_181758	anxa1a	2.570823028	5.497161573	-2.926338545	0.007013
peak_32116	chr17	24962823	24963085	-52873	Intergenic	NM_001114588	cln8	1.205700064	4.132551	-2.926850936	0.003514
peak_7907	chr18	11254793	11255532	245322	Intergenic	NM_001013335	zgc:110789	4.704501946	7.631489279	-2.926987333	8.24E-10
peak_7412	chr12	40139891	40140594	33882	intron (NM_001002490, intron 1 of 7)	NM_001002490	ttyh2	5.605687106	8.532743818	-2.927056712	3.72E-10
peak_13117	chr6	26456393	26456786	147389	Intergenic	NM_201474	hdlbpa	3.395609492	6.322851335	-2.927241843	3.95E-07
peak_21020	chr24	978999	979347	15910	intron (NM_001013480, intron 10 of 11)	NM_001013480	napgl	1.967238845	4.894645421	-2.927406575	6.78E-05
peak_17418	chr4	7418114	7418422	70846	Intergenic	NM_001025506	adipor2	2.735417151	5.662863746	-2.927446594	9.24E-06
peak_21331	chr22	40113191	40113732	222223	Intergenic	NM_213118	sox2	2.950271315	5.878103578	-2.927832263	7.84E-05
peak_22764	chr21	41471951	41472341	-51278	Intergenic	NM_001020512	dpysl3	2.525720463	5.453680069	-2.927959606	0.000151
peak_10693	chr17	749395	750821	5716	intron (NM_213316, intron 3 of 9)	NM_213316	arhgap11a	5.412286634	8.340355951	-2.928069317	3.44E-08
peak_13929	chr19	30207231	30208113	52139	Intergenic	NM_001102573	ctgfb	4.646766947	7.575363235	-2.928596288	7.88E-07
peak_16959	chr22	34632539	34632907	-316888	Intergenic	NM_001037661_1	slc6a6b	2.745287581	5.674081025	-2.928793444	6.89E-06
peak_34687	chr19	10048113	10048502	-4086	Intergenic	NR_029986		-0.360322949	2.568506208	-2.928829157	0.006421
peak_13444	chr21	37098933	37099212	18036	intron (NM_001039927, intron 3 of 3)	NM_001039927	zgc:136851	2.970047467	5.89896337	-2.928915903	5.29E-07
peak_23737	chr20	41918392	41918961	39549	Intergenic	NM_001201561	LOC555548	3.798584256	6.727602785	-2.92901853	0.000229
peak_24866	chr18	18058439	18059028	-6468	Intergenic	NM_199787	n4bp1	3.672909731	6.601936255	-2.929026525	0.00037
peak_12902	chr25	9004767	9005340	-116460	intron (NM_001045109, intron 10 of 15)	NM_001017671	unc45a	4.265289428	7.194473895	-2.929184466	3.17E-07
peak_10146	chr15	27109168	27109725	-50209	Intergenic	NM_131216	lhx1a	4.632603848	7.561804342	-2.929200494	1.84E-08
peak_9989	chr1	15315543	15316050	-47444	Intergenic	NM_001115123	pcm1	5.123316747	8.052559531	-2.929242784	1.55E-08
peak_5648	chr16	7094512	7095518	-117789	Intergenic	NM_001003516	zgc:100908	6.283815449	9.213073611	-2.929258162	1.09E-11
peak_6247	chr13	54012929	54013880	-33571	intron (NM_199954_1, intron 4 of 4)	NM_131698	vox	7.007708771	9.938442337	-2.930733565	4.13E-11
peak_6966	chr17	29138863	29139579	39226	Intergenic	NM_131067	foxg1a	6.061669132	8.992570531	-2.930901399	1.61E-10
peak_6610	chr2	32803927	32804536	-103272	Intergenic	NM_001076570	rnf220a	5.829888182	8.760835442	-2.93094726	8.23E-11
peak_18911	chr10	9303333	9303861	-9364	intron (NM_001102568, intron 16 of 16)	NM_001030148	paqr3b	3.753556765	6.684836541	-2.931279776	2.25E-05
peak_20489	chr24	14464678	14465297	16705	3' UTR (NM_001105132, exon 7 of 7)	NM_213259	pabpn1	3.091390725	6.022985119	-2.931594394	5.27E-05
peak_24992	chr1	35282180	35282689	78982	intron (NM_213357, intron 2 of 8)	NM_213357	gab1	3.250281917	6.182020922	-2.931739005	0.000387
peak_18711	chr9	8160729	8161096	-277670	Intergenic	NM_001109720	zgc:171776	2.636144784	5.568020969	-2.931876184	2.01E-05
peak_13208	chr9	17010902	17011287	-261057	Intergenic	NM_001113633	si:dkey-103d23.5	3.109335453	6.042293767	-2.932958314	4.25E-07
peak_17061	chr23	2532087	2532800	-5443	Intergenic	NM_130989	snai1b	4.790662565	7.723917036	-2.933254471	7.29E-06
peak_15517	chr23	11653134	11654003	173172	Intergenic	NM_001163106	chl1a	4.622769162	7.556036122	-2.93326696	2.66E-06
peak_15704	chr22	3614463	3614870	234241	Intergenic	NM_001013507	timm44	2.970047467	5.903363125	-2.933315658	3.06E-06
peak_21307	chr8	35100214	35100491	156345	Intergenic	NM_001002420	gapvd1	2.086222395	5.019599881	-2.933377486	7.75E-05
peak_8591	chr5	49934632	49935238	18040	Intergenic	NR_029998		4.888347099	7.822073729	-2.93372663	2.34E-09
peak_21399	chr11	15993299	15993705	18131	intron (NM_212975, intron 1 of 2)	NM_212975	gdf11	2.834474036	5.768242811	-2.933768776	8.15E-05
peak_9151	chr16	7539229	7540464	-10696	Intergenic	NM_001080645	zgc:158657	5.759633003	8.693676916	-2.934043913	5.15E-09
peak_26723	chr1	30426782	30427122	-240534	Intergenic	NM_178296	gli1	0.653720264	3.587920766	-2.934200501	0.000706
peak_22844	chr11	32164358	32164727	-41028	Intergenic	NM_001201559	im:7137555	3.073219981	6.007445552	-2.93422557	0.000157
peak_12003	chr5	23610867	23611208	60530	Intergenic	NM_001099997	LOC559803	3.109335453	6.043758557	-2.934423104	1.35E-07
peak_20442	chr14	28902571	28903059	149006	Intergenic	NM_200569	tsc22d3	2.200926086	5.135472959	-2.934546873	5.16E-05
peak_15373	chr10	45320148	45320770	21173	Intergenic	NM_200592	nr2f1b	3.650222256	6.584980543	-2.934758287	2.37E-06
peak_7372	chr23	33107561	33108740	-395794	Intergenic	NR_029935		5.7403848	8.675202837	-2.934818037	3.46E-10
peak_22144	chr20	30317023	30317301	79630	Intergenic	NM_001002716	allc	2.471023015	5.406143329	-2.935120314	0.000116
peak_8164	chr17	41620518	41621159	41180	Intergenic	NM_199658	insm1b	5.027956891	7.963144208	-2.935187317	1.25E-09
peak_30683	chr16	29623838	29624189	12057	intron (NM_001007449, intron 6 of 7)	NM_001007449	stx17	1.787481669	4.722866022	-2.935384353	0.002415
peak_7182	chr2	59759362	59760063	-83657	intron (NM_212882_1, intron 7 of 9)	NM_200714	ndufa13	4.704501946	7.639978294	-2.935476348	2.44E-10
peak_26660	chr17	47570620	47571042	399981	Intergenic	NM_001006009	zgc:103755	3.875584362	6.811091285	-2.935506924	0.00069
peak_9026	chr1	38502805	38503902	-48931	intron (NM_001145602, intron 6 of 11)	NM_001020641	galnt7	5.998969035	8.934617137	-2.935648102	4.34E-09
peak_13388	chr13	49338842	49339237	9523	intron (NM_001159668, intron 1 of 20)	NM_001159668	fbxo11a	3.331406352	6.267098227	-2.935691875	5.07E-07
peak_28231	chr4	39481500	39482119	100032	Intergenic	NM_001109839	zgc:173617	1.467052111	4.403207141	-2.93615503	0.001184
peak_27718	chr21	165568	165911	1078	intron (NM_001114422, intron 3 of 6)	NM_001114422	tbc1d13	1.451058288	4.387911332	-2.936853044	0.000997
peak_34161	chr12	45130322	45130605	-353775	Intergenic	NM_001110011_1	dock1	1.787481669	4.724584393	-2.937102724	0.005713
peak_8140	chr22	32858417	32858946	121730	intron (NM_199663, intron 4 of 17)	NM_199663	add3a	5.621456019	8.558566149	-2.93711013	1.21E-09
peak_23743	chr13	35492896	35493262	-67734	Intergenic	NM_131863	jag1b	2.834474036	5.772091457	-2.937617421	0.000229
peak_7898	chr10	32407159	32407700	45767	intron (NM_131482, intron 2 of 26)	NM_131482	robo3	4.368129927	7.30578353	-2.937653603	8.11E-10
peak_7785	chr12	44184599	44185469	97604	intron (NM_001080602, intron 7 of 15)	NM_001080602	ebf3	5.194866279	8.132579881	-2.937713602	6.78E-10
peak_39407	chr25	16349790	16350068	53598	intron (NM_001002362, intron 3 of 6)	NM_001002362	ppfibp2b	1.205700064	4.143542822	-2.937842758	0.016329
peak_5342	chr6	14469872	14470864	-267460	Intergenic	NM_001128547	inpp4ab	6.730675609	9.668843267	-2.938167658	5.21E-12
peak_15964	chr22	18177268	18177717	125138	Intergenic	NM_001044907	hapln4	3.943058799	6.881360852	-2.938302053	3.69E-06
peak_17384	chr1	31962815	31963249	80191	Intergenic	NM_001020615	hdhd1	2.096540606	5.03505824	-2.938517633	9.04E-06
peak_7883	chr11	16809211	16810539	-149505	Intergenic	NM_001110030	kbtbd8	6.756574359	9.695160298	-2.938585939	7.87E-10
peak_9787	chr1	25144430	25145238	136028	Intergenic	NM_205662	ppa2	4.517048459	7.455681248	-2.938632788	1.22E-08
peak_25757	chr1	21915219	21915705	127201	Intergenic	NM_001089491	rfc1	3.486912637	6.425623047	-2.93871041	0.000506
peak_9362	chr23	38988679	38990019	-56719	Intergenic	NM_001080609	sall4	5.553633649	8.492467141	-2.938833492	6.94E-09
peak_20726	chr3	15295808	15296208	-12382	Intergenic	NM_213535	zgc:66443	2.865148941	5.804344151	-2.93919521	5.93E-05
peak_32891	chr14	29849396	29849820	-263248	Intergenic	NM_001039064	insb	2.122017822	5.061388706	-2.939370884	0.004271
peak_13975	chr18	8795432	8795801	-41380	Intergenic	NM_131061	sema3ab	2.718814869	5.658318402	-2.939503532	8.23E-07
peak_37686	chr7	11400239	11400677	17298	intron (NM_131674, intron 1 of 19)	NM_131674	arnt2	1.618352549	4.55806104	-2.939708491	0.012011
peak_24788	chr23	1822959	1823496	97645	Intergenic	NM_001076663	rabggta	3.702019304	6.64174467	-2.939725366	0.000358
peak_12492	chr15	15302628	15303058	39818	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	3.672909731	6.612726396	-2.939816665	2.17E-07
peak_8013	chr1	41883062	41883820	36698	Intergenic	NM_200766	paip2b	5.539494444	8.479336578	-2.939842135	9.80E-10
peak_19052	chr23	39499378	39500008	7239	intron (NM_001003837, intron 1 of 11)	NM_001003837	src	4.788184712	7.728204061	-2.940019349	2.45E-05
peak_8270	chr23	21747153	21748167	99	promoter-TSS (NM_001103128)	NM_001103128	LOC100149863	5.250926802	8.19127333	-2.940346528	1.52E-09
peak_17412	chr7	37041522	37041887	-70950	Intergenic	NM_001023575	irx6a	3.119490251	6.06053405	-2.941043799	9.20E-06
peak_7362	chr4	11700539	11701285	20319	intron (NM_001020739, intron 2 of 3)	NM_001020739	lmo3	5.711651682	8.652858633	-2.941206951	3.39E-10
peak_5767	chr2	5418107	5419686	-17381	Intergenic	NM_200475	slc35d1b	7.27772751	10.21899319	-2.941265676	1.40E-11
peak_9801	chr12	22806828	22807442	155252	intron (NM_001037121, intron 3 of 8)	NM_001037121	ca10a	5.30377737	8.245256948	-2.941479578	1.24E-08
peak_6968	chr19	19083671	19084175	17847	intron (NM_001003646, intron 4 of 7)	NM_001003646	hibadha	5.193665276	8.135320657	-2.94165538	1.61E-10
peak_8603	chr6	21090691	21091595	60994	Intergenic	NM_205740	barhl2	5.577798363	8.519605774	-2.941807411	2.38E-09
peak_25353	chr16	35007389	35007934	-20825	Intergenic	NM_001083837	pnisr	3.935977657	6.877890244	-2.941912586	0.000441
peak_11008	chr15	34736939	34737430	187558	Intergenic	NM_001080189_1	zgc:158328	4.2869161	7.229164615	-2.942248516	4.97E-08
peak_37200	chr8	13498456	13498816	28326	Intergenic	NM_001077294	dennd2da	-0.360322949	2.582225273	-2.942548222	0.011006
peak_31468	chr3	54671262	54671617	-56661	Intergenic	NM_001190756	col5a3a	-0.360322949	2.582692579	-2.943015528	0.002971
peak_7166	chr2	40060851	40061994	-20477	Intergenic	NM_153658	epha4b	5.929775546	8.873357448	-2.943581902	2.35E-10
peak_9028	chr13	30485404	30485990	33974	Intergenic	NM_201216	rps24	5.126503879	8.070410929	-2.943907051	4.35E-09
peak_21246	chr7	38638026	38638432	-131208	Intergenic	NM_001146014	sall1a	2.912638768	5.856747612	-2.944108844	7.54E-05
peak_28179	chr7	28594463	28595226	178428	Intergenic	NM_001123009	sox6	4.721366046	7.665736229	-2.944370183	0.001168
peak_13580	chr23	30623319	30624312	-322601	Intergenic	NM_212631	dnajc11	5.507897279	8.452697899	-2.94480062	5.91E-07
peak_5267	chr17	36206631	36208725	-148943	Intergenic	NM_131336	sox11a	8.201625139	11.14650958	-2.94488444	4.48E-12
peak_6492	chr7	67212351	67213108	-75653	Intergenic	NM_001083583	ctr9	4.977783805	7.922715981	-2.944932175	6.67E-11
peak_13143	chr15	30103015	30103641	10698	intron (NM_201109, intron 5 of 14)	NM_201109	msi2b	3.753556765	6.698518673	-2.944961907	4.03E-07
peak_10349	chr1	5848970	5849505	154284	Intergenic	NM_001143751	erbb4a	4.436916749	7.38192503	-2.945008281	2.29E-08
peak_16778	chr12	44993056	44993625	-216652	Intergenic	NM_001110011_1	dock1	3.931577743	6.876664917	-2.945087174	6.24E-06
peak_11625	chr16	17542545	17543030	15567	intron (NM_001002175, intron 1 of 7)	NM_001002175	sntb1	3.403941868	6.349038175	-2.945096307	9.25E-08
peak_6432	chr16	21440060	21441316	-53232	Intergenic	NM_205550	sp8b	7.660626656	10.60576437	-2.945137712	5.91E-11
peak_35158	chr22	11350839	11351262	96747	Intergenic	NM_205626	bcor	1.984009138	4.929241225	-2.945232087	0.007121
peak_16709	chr4	45944352	45944660	-473568	Intergenic	NM_001128355	LOC794656	1.818979367	4.764754025	-2.945774658	5.99E-06

peak_11139	chr7	74161042	74161605	226769	Intergenic	NM_001006020_1	ccdc149a	4.826792699	7.772573357	-2.945780658	5.72E-08
peak_18665	chr9	13784404	13784852	-153359	Intergenic	NM_131139	fzd7a	2.42263522	5.368832989	-2.946197769	1.95E-05
peak_20908	chr3	27917749	27918025	17618	exon (NM_201157, exon 6 of 7)	NM_001002674	dnase1	2.625495796	5.571959976	-2.946464181	6.43E-05
peak_26794	chr18	48215944	48216458	116350	Intergenic	NM_001007334	yif1b	3.795328417	6.741809439	-2.946481022	0.000727
peak_15285	chr20	33348960	33349271	15751	Intergenic	NM_212614	mycn	2.333588892	5.280322711	-2.94673382	2.24E-06
peak_14769	chr24	30451517	30451850	172922	Intergenic	NM_001163988	prmt6	2.529533336	5.476668955	-2.947135619	1.54E-06
peak_27477	chr12	38575111	38575705	65581	Intergenic	NM_001080568	hs3st3b1b	2.31603542	5.26322487	-2.947189451	0.000918
peak_24209	chr1	5249864	5250178	107571	Intergenic	NM_001020643	klf7a	2.247969535	5.19541574	-2.947446204	0.000282
peak_22332	chr16	34631711	34632122	-13610	Intergenic	NM_001130601	mms22l	3.25733105	6.204977508	-2.947646458	0.000127
peak_13559	chr11	31651340	31651638	31641	Intergenic	NM_200716	zgc:73111	2.735417151	5.683125884	-2.947708732	5.81E-07
peak_32487	chr9	47569020	47569587	47228	Intergenic	NM_131069	cx43.4	0.625495796	3.573387676	-2.94789188	0.003878
peak_5903	chr22	12564982	12566532	4780	intron (NM_199522, intron 2 of 4)	NM_199522	rnd3a	6.091371914	9.039482196	-2.948110282	1.90E-11
peak_6899	chr13	13364931	13366003	-74098	Intergenic	NM_198916	foxi2	6.243964697	9.192129179	-2.948164481	1.39E-10
peak_12277	chr24	13296318	13296788	-119577	Intergenic	NM_001080583	rdh10a	3.954531943	6.902727875	-2.948195932	1.75E-07
peak_7852	chr25	29357931	29358654	-98005	Intergenic	NM_001098391	tmem17	5.500574775	8.44900362	-2.948428845	7.48E-10
peak_10618	chr7	35037888	35038305	-19823	Intergenic	NM_131780	gro1	4.418468701	7.367139533	-2.948670831	3.16E-08
peak_22571	chr10	39397274	39397659	18471	Intergenic	NR_030069		2.702019304	5.650713177	-2.948693873	0.00014
peak_10673	chr24	17862333	17862832	-21288	Intergenic	NM_199779	pdia4	3.632603848	6.581379353	-2.948775505	3.38E-08
peak_33736	chr15	29895042	29895336	164131	intron (NM_201109, intron 8 of 14)	NM_001003615	mrps23	1.938847741	4.887686451	-2.948838711	0.005192
peak_9251	chr24	42942566	42943088	24614	intron (NM_131210, intron 1 of 12)	NM_131210	acvr2b	4.518967649	7.468306324	-2.949338674	5.91E-09
peak_9782	chr23	28579370	28579843	10296	Intergenic	NM_170762	neurod4	4.191260267	7.140693291	-2.949433024	1.22E-08
peak_12920	chr10	45370150	45370825	71201	Intergenic	NM_200592	nr2f1b	3.857496901	6.806978848	-2.949481947	3.24E-07
peak_27190	chr24	25238056	25238550	93871	Intergenic	NM_001008609	armc1	2.346615242	5.296178157	-2.949562914	0.00083
peak_11862	chr16	34934767	34935292	-37772	Intergenic	NM_001007315	fbxl4	4.042706443	6.992366324	-2.949659881	1.17E-07
peak_7626	chr8	26840509	26841643	-7439	Intergenic	NM_001044985	si:dkey-72l14.3	5.447031973	8.396862849	-2.949830876	5.35E-10
peak_8753	chr2	33734186	33734976	-23442	intron (NM_201074, intron 11 of 11)	NM_130988	ptch2	5.153352522	8.103273793	-2.949921271	2.95E-09
peak_20173	chr11	30815010	30815329	-1766	intron (NM_001020719, intron 8 of 8)	NM_001002550	pir	2.614767619	5.565077211	-2.950309592	4.53E-05
peak_41567	chr23	42887271	42887586	-5321	TTS (NM_001079851)	NM_001025557	cyp2aa1	-0.360322949	2.590010025	-2.950332975	0.023182
peak_11827	chr16	32515854	32516236	45553	intron (NM_001199365, intron 1 of 18)	NM_001199365	sema6e	3.60023239	6.550945454	-2.950713064	1.12E-07
peak_10425	chr13	39793809	39794393	-2049	Intergenic	NM_001111187	zgc:172136	5.343942682	8.295567839	-2.951625157	2.51E-08
peak_25689	chr2	33917759	33918252	-62003	Intergenic	NM_001003878	cenpl	2.44299439	5.394874256	-2.951879866	0.000494
peak_13852	chr10	45044652	45045054	11414	Intergenic	NR_045221		2.970047467	5.921992175	-2.951944708	7.43E-07
peak_12174	chr17	39694289	39694635	-170677	Intergenic	NM_001288652	eprs	3.350931353	6.302913319	-2.951981966	1.59E-07
peak_15036	chr8	55721557	55722055	9295	intron (NM_001077783, intron 1 of 7)	NM_001077783	zgc:152958	3.445014594	6.397166789	-2.952152195	1.86E-06
peak_22566	chr4	14751103	14751526	80078	intron (NM_001030134, intron 9 of 17)	NM_001030134	exoc4	2.570823028	5.523114053	-2.952291026	0.000139
peak_9914	chr8	10090674	10091174	24286	intron (NM_001098489, intron 1 of 31)	NM_001098489	plxna3	4.561596548	7.51392814	-2.952331592	1.43E-08
peak_21848	chr3	37636291	37637131	-7628	Intergenic	NM_199688	gosr2	4.701075755	7.653531032	-2.952455277	0.000101
peak_13094	chr20	30544530	30545034	28192	intron (NM_001044899, intron 3 of 20)	NM_001044899	myt1la	3.909801353	6.86257604	-2.952774687	3.87E-07
peak_10133	chr7	28441861	28444203	26616	intron (NM_001123009, intron 1 of 14)	NM_001123009	sox6	6.040369986	8.993175241	-2.952805254	1.81E-08
peak_7693	chr24	20090876	20091499	23184	intron (NM_001003846, intron 1 of 18)	NM_001003846	sulf1	5.783449089	8.736268899	-2.95281981	5.91E-10
peak_31552	chr2	6171182	6171489	15328	Intergenic	NM_001089512	rgs13	-0.360322949	2.592726993	-2.953049942	0.003042
peak_12270	chr18	45531763	45532363	-216022	Intergenic	NM_199925	zgc:77304	4.292536631	7.245618868	-2.953082237	1.73E-07
peak_10483	chr6	54003084	54003741	49078	Intergenic	NM_001039997	zgc:136804	4.293658114	7.247344764	-2.95368665	2.68E-08
peak_5584	chr22	18279	20129	5686	intron (NM_001080577, intron 2 of 2)	NM_001080577	celsr2	7.257990736	10.21214543	-2.954154697	9.49E-12
peak_22913	chr13	50229590	50229990	-81961	Intergenic	NM_001030104	tsnax	1.831388386	4.785845135	-2.954456749	0.000162
peak_6566	chr18	40093795	40094633	-44537	Intergenic	NM_131511	fzd9b	5.324806851	8.279450904	-2.954644053	7.58E-11
peak_13589	chr1	8471199	8471777	90535	Intergenic	NM_001199364	micall2b	4.181599935	7.136320996	-2.954721061	5.99E-07
peak_28802	chr2	45298044	45298379	-45473	Intergenic	NR_029925		1.618352549	4.573151094	-2.954798544	0.001421
peak_14557	chr5	23623366	23623733	48018	Intergenic	NM_001099997	LOC559803	2.552201346	5.507150226	-2.954948879	1.30E-06
peak_37934	chr8	10981005	10981756	-66720	Intergenic	NM_001077391	zgc:153997	3.370319669	6.325333879	-2.955014209	0.012584
peak_12217	chr1	36055135	36055789	-89589	Intergenic	NM_212807	pou4f2	6.118298658	9.073422277	-2.955123619	1.66E-07
peak_9672	chr16	31358643	31359592	15695	intron (NM_131317, intron 2 of 9)	NM_131317	mef2d	4.857496901	7.813045355	-2.955548454	1.05E-08
peak_10047	chr18	48227943	48228418	128329	Intergenic	NM_001007334	yif1b	5.148401839	8.104263823	-2.955861984	1.64E-08
peak_9904	chr17	8390292	8391313	17219	intron (NM_001080601, intron 1 of 5)	NM_001080601	fzd3b	5.84569373	8.801586059	-2.955892329	1.41E-08
peak_12393	chr1	20491455	20491920	-69101	Intergenic	NM_131638	pax5	3.350931353	6.307170279	-2.956238926	1.98E-07
peak_21856	chr8	16871453	16871757	54235	intron (NM_212973, intron 8 of 18)	NM_212973	faf1	2.363802745	5.32006892	-2.956266175	0.000102
peak_5623	chr9	28357739	28358537	-5060	Intergenic	NM_001126402	si:rp71-84d19.3	6.31764192	9.273939671	-2.956297751	1.03E-11
peak_5890	chr19	26522831	26523874	66687	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	6.227576515	9.184309856	-2.956733341	1.86E-11
peak_6505	chr17	38795695	38796437	55044	Intergenic	NM_131525	sptb	5.819002087	8.775785893	-2.956783806	6.78E-11
peak_20218	chr7	41906785	41907218	28818	Intergenic	NR_030097		3.525720463	6.483053473	-2.95733301	4.63E-05
peak_7441	chr10	21310535	21311296	132361	Intergenic	NM_001201442	avd	5.637470398	8.595151967	-2.957681569	3.90E-10
peak_7346	chr8	15683930	15684468	-4918	Intergenic	NM_001113620	bcar3	6.07381577	9.031825346	-2.958009576	3.29E-10
peak_27269	chr6	49011630	49011921	7083	exon (NM_001034969, exon 5 of 15)	NM_001034969	slc5a8l	2.363802745	5.321819689	-2.958016944	0.000854
peak_21285	chr23	38418376	38418683	165589	Intergenic	NM_001020707	zgc:112994	2.200926086	5.159210763	-2.958284676	7.69E-05
peak_20454	chr24	6758890	6759387	-300061	Intergenic	NM_131774	anxa13	2.363802745	5.322157749	-2.958355004	5.18E-05
peak_8956	chr10	14889993	14890870	67802	Intergenic	NM_131366	smad2	4.745335402	7.703697256	-2.958361854	3.95E-09
peak_37883	chr16	57966231	57966626	-21444	Intergenic	NM_200561_2	fzd6	0.967238845	3.925649421	-2.958410575	0.012473
peak_8054	chr22	11319745	11320429	65784	Intergenic	NM_205626	bcor	5.244527832	8.202995019	-2.958467188	1.05E-09
peak_7436	chr10	21278128	21278999	164713	Intergenic	NM_001201442	avd	5.432311954	8.390949746	-2.958637792	3.86E-10
peak_36069	chr6	50682792	50683432	-1060	Intergenic	NM_001184955	pigu	-0.360322949	2.598618103	-2.958941052	0.008659
peak_28590	chr4	31546419	31547909	217711	intron (NM_001114900_1, intron 4 of 10)	NM_001114894	zgc:174653	0.215200887	3.174248499	-2.959047612	0.001327
peak_8677	chr12	2711116	2711959	75725	Intergenic	NM_131721	mapk8b	6.658797312	9.617858587	-2.959061275	2.63E-09
peak_14211	chr22	38906564	38907143	507632	Intergenic	NM_001017600	polr2h	3.539021661	6.498237687	-2.959216026	9.93E-07
peak_7988	chr7	13822120	13822909	-26808	Intergenic	NM_001100436	rplp2l	4.55032589	7.509749531	-2.959423641	9.38E-10
peak_10202	chr7	12591745	12592083	292679	Intergenic	NM_001080993	mex3b	3.33794409	6.297369096	-2.959425006	1.95E-08
peak_22549	chr5	30515855	30516411	28920	Intergenic	NM_001111208	zgc:174259	3.259628487	6.219062649	-2.959434162	0.000138
peak_11846	chr10	44945163	44945608	110882	Intergenic	NR_045221		3.457076769	6.416603147	-2.959526377	1.14E-07
peak_14191	chr14	29218154	29218630	-115989	Intergenic	NM_200688	zgc:64189	3.445014594	6.404627191	-2.959612597	9.80E-07
peak_9918	chr15	38086675	38087212	126710	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	5.104870153	8.064494783	-2.959624631	1.44E-08
peak_6873	chr9	26843880	26844527	-29862	intron (NM_001114551, intron 1 of 8)	NM_001017560	gtdc1	5.398739775	8.358415359	-2.959675584	1.35E-10
peak_7979	chr1	5323677	5325094	33207	intron (NM_001020643, intron 1 of 3)	NM_001020643	klf7a	6.380073165	9.339850674	-2.959777509	9.21E-10
peak_12472	chr7	30816716	30817089	19282	Intergenic	NM_131283	foxb1b	2.818979367	5.778943357	-2.95996399	2.13E-07
peak_9720	chr21	24802538	24803170	-19115	Intergenic	NM_212861	fibpb	5.094611555	8.055083265	-2.960471711	1.12E-08
peak_33347	chr16	37750796	37751141	-493	promoter-TSS (NM_001002299)	NM_001002299	ptprub	0.625495796	3.586640117	-2.961144321	0.004761
peak_8733	chr6	57623632	57624115	-18769	Intergenic	NM_001076592	zgc:153702	4.781851545	7.743605038	-2.961753493	2.87E-09
peak_18736	chr25	11170055	11170430	-7986	Intergenic	NM_001089325	anpepb	2.200926086	5.162701035	-2.961774949	2.03E-05
peak_8265	chr20	30768956	30769373	40688	Intergenic	NM_212997	acbd3	4.346615242	7.308710472	-2.962095229	1.50E-09
peak_5627	chr18	32373679	32374603	10043	3' UTR (NM_001144796, exon 5 of 5)	NM_001144796	c3orf33	6.254098871	9.216511916	-2.962413045	1.04E-11
peak_12605	chr15	13979988	13980392	-7159	Intergenic	NM_001089327	zgc:162193	3.164465597	6.12701511	-2.962549513	2.40E-07
peak_7030	chr14	16075649	16076209	-644148	Intergenic	NM_001045428	rab33a	4.567171977	7.52974826	-2.962576282	1.79E-10
peak_5511	chr9	7631043	7632288	-22227	intron (NM_001130588, intron 12 of 22)	NM_030098		6.637691215	9.600288519	-2.962597304	7.86E-12
peak_5819	chr6	33237991	33240251	4197	intron (NM_201143, intron 1 of 12)	NM_201143	pik3r3b	7.229938877	10.19312564	-2.963186767	1.57E-11
peak_5254	chr18	38589474	38590437	-62134	Intergenic	NM_001017682	sema6dl	6.317366252	9.281040852	-2.963674599	4.28E-12
peak_12405	chr19	27721100	27721701	98595	Intergenic	NM_199927	gtf2h4	4.084927414	7.048631162	-2.963703748	2.01E-07
peak_13100	chr6	44335059	44335346	-1920	Intergenic	NM_001256392	pdzrn3b	2.219927938	5.184047973	-2.964120035	3.89E-07
peak_18261	chr16	31461499	31461837	17206	Intergenic	NR_029995		2.363802745	5.327982717	-2.964179972	1.58E-05
peak_32837	chr17	27963723	27964047	197179	Intergenic	NM_001242995	kdm1a	1.618352549	4.582744205	-2.964391656	0.004212
peak_11370	chr15	32778140	32778855	25094	Intergenic	NM_152974	mab21l1	3.957365387	6.921914188	-2.964548802	7.17E-08
peak_9582	chr13	46976984	46977624	63313	intron (NM_178303, intron 6 of 17)	NM_001243004	fgfr2	3.646715745	6.612122678	-2.965406933	9.39E-09
peak_11248	chr5	67612670	67613804	2504	Intergenic	NR_029939		5.208641113	8.174089875	-2.965448762	6.31E-08
peak_18262	chr3	18272417	18272911	-24031	Intergenic	NM_205616	cbx8a	3.871171366	6.836827235	-2.965655869	1.58E-05
peak_11609	chr13	22085351	22086354	119544	Intergenic	NM_001145707	zswim8	4.944529182	7.910195204	-2.965666022	9.13E-08
peak_10340	chr23	15687198	15687812	-246293	Intergenic	NM_001003833	sulf2b	4.694297953	7.660092815	-2.965794862	2.27E-08
peak_18781	chr18	13387268	13387884	473295	Intergenic	NM_001089503	mlycd	3.866656906	6.832523225	-2.965866319	2.09E-05
peak_11962	chr3	54199296	54199863	-2149	Intergenic	NM_131549	notch3	4.040035898	7.005905231	-2.965869333	1.30E-07

peak_21966	chr15	21284213	21284784	11053	intron (NM_001020690, intron 3 of 7)	NM_001020690	hepacam	2.834474036	5.800508541	-2.966034506	0.000107
peak_6015	chr8	30471602	30472584	-11917	Intergenic	NM_001020774	smarcad1	6.056373752	9.022413113	-2.966039361	2.45E-11
peak_26737	chr15	4270541	4271257	9882	intron (NM_131670, intron 1 of 6)	NM_131670	atp1b3b	3.523698724	6.489754971	-2.966056247	0.000712
peak_14334	chr25	14763275	14764052	-4581	Intergenic	NM_131178	dbx1b	3.293658114	6.260051436	-2.966393322	1.09E-06
peak_18910	chr13	22445670	22446065	-11561	Intergenic	NM_001201566	usp54a	2.664163689	5.631067758	-2.966904069	2.25E-05
peak_9159	chr5	52238317	52239119	229116	Intergenic	NM_001135983	zgc:194908	5.040035898	8.007225973	-2.967190075	5.20E-09
peak_22469	chr5	43028445	43028809	-86549	intron (NM_001100039, intron 3 of 7)	NM_205639	fancg	2.614767619	5.582114418	-2.967346799	0.000134
peak_6519	chr15	44459262	44460381	-68755	Intergenic	NM_200546_1	psmd2	7.003935187	9.971478994	-2.967543807	7.02E-11
peak_18571	chr5	27134515	27135165	92834	Intergenic	NM_181758	anxa1a	5.840737511	8.808342157	-2.967604646	1.85E-05
peak_9113	chr7	51194560	51196002	22524	Intergenic	NM_131231	ascl1b	6.350709123	9.318476902	-2.967767779	4.93E-09
peak_14610	chr2	39843804	39845223	-4375	Intergenic	NM_001005919	epha4a	4.882352608	7.850296266	-2.967943657	1.36E-06
peak_7707	chr9	47397529	47398186	218674	Intergenic	NM_131069	cx43.4	6.67117231	9.639273943	-2.968101633	6.06E-10
peak_15903	chr14	49334408	49335109	-3683	Intergenic	NM_001077145	bbs7	3.531436	6.49963546	-2.96819946	3.50E-06
peak_9287	chr1	31350160	31350935	32091	Intergenic	NM_131032	inab	5.35741269	8.325678439	-2.968265749	6.24E-09
peak_9476	chr8	16910282	16910922	15238	intron (NM_212973, intron 3 of 18)	NM_212973	faf1	5.935217321	8.903558466	-2.968341145	8.08E-09
peak_30945	chr15	33239234	33239660	-8790	Intergenic	NM_001289881	trpc4b	-0.360322949	2.608176552	-2.968499501	0.002585
peak_12561	chr17	26408220	26408660	38196	Intergenic	NM_001080665	fam149b1	3.815860363	6.784404065	-2.968543702	2.31E-07
peak_21220	chr19	33074111	33074343	-26554	Intergenic	NM_212561	hey1	1.205700064	4.174411834	-2.96871177	7.46E-05
peak_24081	chr17	53218364	53218702	-31667	Intergenic	NM_213232	spred1	2.116958245	5.085774321	-2.968816077	0.000266
peak_40689	chr20	7326196	7326711	25085	intron (NM_001008645, intron 7 of 8)	NM_001008645	dhcr24	-0.360322949	2.609160782	-2.969483731	0.020202
peak_18708	chr8	12778104	12778633	142241	Intergenic	NM_001128526	phf13	3.705394096	6.67493953	-2.969545434	2.01E-05
peak_7660	chr12	41043258	41043857	692156	Intergenic	NM_001099246	abca5	4.575494928	7.545169792	-2.969674864	5.64E-10
peak_22669	chr2	58636703	58637000	19822	Intergenic	NM_201043	sf3a2	0.944570835	3.914447459	-2.969876624	0.000146
peak_9931	chr8	3394388	3394785	49457	Intergenic	NM_001008604	zgc:103510	3.880158125	6.850658737	-2.970500612	1.45E-08
peak_5614	chr16	18899376	18900584	-139510	Intergenic	NM_001003432	rpl18	7.660306983	10.63090915	-2.970602167	1.01E-11
peak_10255	chr7	54565981	54566594	-11025	Intergenic	NM_131025	ccnd1	4.138412798	7.109109505	-2.970696707	2.08E-08
peak_8188	chr8	34220080	34220552	9639	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	4.495710279	7.466626091	-2.970915812	1.31E-09
peak_9987	chr16	45160470	45161801	-83689	Intergenic	NM_001039979	ppox	5.023868553	7.994936817	-2.971068265	1.54E-08
peak_25435	chr9	18404077	18404488	-104644	Intergenic	NM_001128338	vwa8	1.426730103	4.398378087	-2.971647984	0.000454
peak_36862	chr22	24664569	24664964	-112716	intron (NM_001017710, intron 6 of 7)	NR_029937		2.521897487	5.493573798	-2.971676311	0.01028
peak_6839	chr19	49548240	49548849	5279	intron (NM_001252559, intron 1 of 17)	NM_001252559	ago4	6.150260336	9.122224739	-2.971964403	1.27E-10
peak_12106	chr3	21504397	21505052	-11290	Intergenic	NM_001006067	syngr1a	4.581935301	7.55400315	-2.972067849	1.48E-07
peak_18507	chr13	24856164	24856510	-29794	Intergenic	NM_131272	msxc	2.247969535	5.220092856	-2.972123321	1.79E-05
peak_6436	chr14	1538090	1538578	-79683	intron (NM_001289886, intron 1 of 6)	NM_001045338	hrh2	5.640558768	8.612850983	-2.972292215	5.98E-11
peak_7427	chr1	34092498	34093332	-9612	Intergenic	NM_001045444	lmo7b	5.013015265	7.985421806	-2.972406542	3.80E-10
peak_27254	chr1	52394089	52394495	73294	Intergenic	NM_212969	dand5	2.471023015	5.443590252	-2.972567236	0.000849
peak_9843	chr14	30397606	30398463	-246997	Intergenic	NM_001045414	zgc:153146	5.574138023	8.546887328	-2.972749305	1.30E-08
peak_11850	chr7	38126593	38127015	105883	Intergenic	NR_036681		3.508324013	6.481164248	-2.972840235	1.15E-07
peak_15798	chr15	22309737	22310061	250211	Intergenic	NM_001111210	ccdc153	2.880158125	5.853363442	-2.973205317	3.27E-06
peak_8017	chr1	29701081	29701727	43857	intron (NM_001045236, intron 2 of 10)	NM_001045236	dachc	4.450052762	7.423353589	-2.973300827	9.83E-10
peak_13111	chr15	38077774	38078386	135573	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	4.341201883	7.314544323	-2.97334244	3.93E-07
peak_8734	chr8	29375250	29375967	-24	promoter-TSS (NM_213637)	NM_213637	scrt2	5.313208775	8.286597824	-2.973389049	2.88E-09
peak_9478	chr7	42965357	42966015	-647953	Intergenic	NM_131063	shha	4.36172786	7.335344421	-2.973616562	8.13E-09
peak_7476	chr14	5287185	5287927	-104469	Intergenic	NM_001007134	lbx2	5.421549829	8.395390076	-2.973840247	4.12E-10
peak_23853	chr11	31671979	31672255	52269	Intergenic	NM_200716	zgc:73111	2.521897487	5.495883469	-2.973985982	0.000243
peak_21525	chr13	49303425	49303898	-25855	Intergenic	NM_001159668	fbxo11a	2.363802745	5.338282007	-2.974479262	8.65E-05
peak_11399	chr2	56032622	56033116	-20277	Intergenic	NM_199675	tpm4b	5.105546154	8.080232432	-2.974686278	7.43E-08
peak_7756	chr3	49502005	49502766	-83709	Intergenic	NM_001017786	znf750	4.632603848	7.607398689	-2.974794841	6.53E-10
peak_16394	chr23	18306488	18306769	-5884	Intergenic	NM_001099239	nucks1b	2.559678887	5.534576122	-2.974897236	4.88E-06
peak_15686	chr19	34934852	34935254	105691	Intergenic	NM_001127256	triqk	2.892054049	5.867225011	-2.975170962	3.03E-06
peak_11063	chr3	26387652	26388036	-105173	Intergenic	NM_001172397	xylt1	3.091390725	6.066591797	-2.975201072	5.29E-08
peak_12448	chr24	23838288	23838679	440849	Intergenic	NM_001075111	hnf4g	3.389328476	6.364670697	-2.975342221	2.10E-07
peak_15888	chr11	25757932	25758278	4004	intron (NM_001128327, intron 5 of 27)	NM_001128327	kdm5ba	2.533336158	5.508908041	-2.975571883	3.48E-06
peak_24162	chr12	25903487	25903979	49017	intron (NM_001080021, intron 4 of 21)	NM_001080021	nrxn1a	2.751830549	5.727764377	-2.975933828	0.000276
peak_7395	chr8	14835690	14836366	56609	intron (NM_001245100, intron 2 of 14)	NM_001245100	si:dkey-6n6.7	4.574572524	7.550695779	-2.976123255	3.57E-10
peak_14823	chr18	3407796	3408051	822346	Intergenic	NM_001045470	fam168a	2.229335828	5.205573212	-2.976237384	1.60E-06
peak_10721	chr16	25092412	25092801	46368	Intergenic	NM_001003997	flad1	3.159552967	6.135841085	-2.976288118	3.54E-08
peak_7096	chr15	15299000	15300597	42863	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	6.2948114	9.271221268	-2.976409868	2.10E-10
peak_37190	chr2	56952943	56953298	2202	exon (NM_200458, exon 2 of 13)	NM_200458	eef2b	1.618352549	4.594932112	-2.976579563	0.010988
peak_14588	chr6	56301197	56301607	182025	Intergenic	NM_001008576_1	tfap2c	3.657209812	6.633828402	-2.97661859	1.33E-06
peak_7624	chr25	24619094	24620127	118761	Intergenic	NM_001002052	mrpl23	6.147489785	9.124276592	-2.976786807	5.35E-10
peak_22080	chr16	9102553	9103402	-104729	Intergenic	NM_001030206	ano10a	2.728799148	5.705709558	-2.976910411	0.000113
peak_7781	chr19	45067678	45068128	-7926	Intergenic	NM_201081	wasf2	4.342286181	7.319308484	-2.977022303	6.73E-10
peak_24514	chr4	19417508	19417842	3523	intron (NM_001080613, intron 4 of 4)	NM_001080613	napepld	2.42263522	5.39980807	-2.97717285	0.000319
peak_11597	chr5	46507769	46508278	-45793	Intergenic	NM_199942	fbp1a	4.406017464	7.383491036	-2.977473572	9.03E-08
peak_5445	chr3	50113467	50114338	-67346	Intergenic	NM_001083559	zgc:163083	6.913067554	9.890623376	-2.977555821	6.71E-12
peak_7477	chr11	43118558	43119385	-15385	Intergenic	NM_001105592	her15.2	5.497658046	8.475420938	-2.977762891	4.13E-10
peak_8564	chr12	39390007	39390531	-552754	Intergenic	NM_001040355	pmp22b	4.836059295	7.813897859	-2.977838564	2.26E-09
peak_6766	chr10	36565096	36566136	-12038	Intergenic	NM_001083549	zdhhc20a	5.396653674	8.374528293	-2.977874619	1.11E-10
peak_15270	chr7	48255479	48255771	135200	Intergenic	NM_001195407	tshz3b	2.463070247	5.441064067	-2.977993819	2.22E-06
peak_9098	chr6	28522226	28523003	55845	Intergenic	NM_001089528	tprg1	4.55032589	7.528456271	-2.978130381	4.80E-09
peak_8407	chr20	21512253	21513150	49345	intron (NM_131862, intron 8 of 25)	NM_131862	jag2b	5.609771218	8.588036115	-2.978264896	1.85E-09
peak_20433	chr14	27656245	27656713	57438	Intergenic	NM_131041	neurog1	4.042784266	7.02109722	-2.978312953	5.15E-05
peak_16070	chr2	26528882	26529594	77090	intron (NM_131022, intron 1 of 3)	NM_131022	efna2	4.113225998	7.092190066	-2.978964068	3.94E-06
peak_12933	chr13	11343606	11344359	78035	Intergenic	NM_001003532	desi2	5.189418725	8.168922233	-2.979503508	3.27E-07
peak_8019	chr5	46090359	46091206	24605	Intergenic	NM_001111220	gas1a	5.478989702	8.458494798	-2.979505096	9.85E-10
peak_32450	chr12	9071198	9071521	-157711	Intergenic	NM_001008634	adoa	1.205700064	4.185272584	-2.97957252	0.003839
peak_22176	chr12	34151362	34151695	-42578	Intergenic	NM_001256805	LOC557756	2.42263522	5.40274639	-2.980111171	0.000118
peak_7759	chr7	16732331	16732943	66539	intron (NM_001017638, intron 8 of 9)	NM_001017638	elp4	5.655080743	8.63530899	-2.980228247	6.59E-10
peak_5824	chr3	63165991	63168344	17285	Intergenic	NM_131644	sox9b	7.236668804	10.21754672	-2.980877912	1.59E-11
peak_8073	chr14	45505325	45506115	-139884	Intergenic	NM_182885	pcdh10b	4.568099124	7.549337994	-2.981238869	1.09E-09
peak_9108	chr7	70436504	70437071	-5692	Intergenic	NM_199682	ap1g1	5.064628484	8.045944541	-2.981316057	4.90E-09
peak_30891	chr13	35509057	35509300	-51635	Intergenic	NM_131863	jag1b	1.243333623	4.224772877	-2.981439254	0.002547
peak_16361	chr16	825972	826288	5480	Intergenic	NM_207185	irx1a	3.565261718	6.546758032	-2.981496314	4.79E-06
peak_9339	chr13	53931260	53931797	11343	intron (NM_199954_1, intron 4 of 4)	NM_200520	zgc:66337	3.806462687	6.788039728	-2.981577041	6.76E-09
peak_6876	chr21	3621046	3621949	67872	Intergenic	NM_175082	smad7	5.602975521	8.58481384	-2.981838318	1.35E-10
peak_7774	chr18	38715409	38716255	-39963	Intergenic	NM_001177495	ugt5c1	5.798561212	8.780418919	-2.981857707	6.69E-10
peak_9200	chr23	23730561	23732359	-36055	Intergenic	NM_131873	her9	6.646315245	9.628849265	-2.98253402	5.54E-09
peak_11770	chr22	26684721	26685199	2123	intron (NM_194426, intron 2 of 6)	NM_194426	pdgfaa	4.088088875	7.071400254	-2.98259138	1.06E-07
peak_10692	chr19	42040791	42041182	-10857	Intergenic	NM_001002594	sgce	3.096540606	6.079299433	-2.982758827	3.44E-08
peak_7999	chr19	35094316	35095133	28100	intron (NM_001076776, intron 1 of 10)	NM_001076776	runx1t1	5.653771219	8.636543728	-2.982772509	9.53E-10
peak_7325	chr17	36173607	36175065	-115601	Intergenic	NM_131336	sox11a	6.553867677	9.536683863	-2.982816186	3.20E-10
peak_10596	chr23	33146375	33147150	-357182	Intergenic	NR_029935		5.188248356	8.171174878	-2.982926522	3.06E-08
peak_6261	chr10	42270496	42271590	34365	intron (NM_001039812, intron 6 of 19)	NM_001039812	bmp1b	5.916711607	8.899861148	-2.983149541	4.27E-11
peak_24919	chr1	38574978	38577957	4526	TTS (NM_001020641)	NM_001037424	hmgb2a	5.663346902	8.646696574	-2.983349671	0.000375
peak_28854	chr20	29509250	29509988	-202	promoter-TSS (NM_001001409)	NM_001001409	actc1a	3.014416083	5.998203654	-2.983787571	0.001445
peak_13347	chr19	28625288	28625885	-9266	Intergenic	NM_131823	irx1b	3.482985287	6.466955344	-2.983970057	4.89E-07
peak_7846	chr9	2066883	2068166	55743	Intergenic	NM_199480	lnpa	6.964776808	9.948813954	-2.984037146	7.42E-10
peak_10587	chr7	70768301	70769242	190943	Intergenic	NM_001100142	phlpp2	6.041725037	9.025768146	-2.984043108	3.02E-08
peak_6069	chr18	23767839	23768869	-109289	Intergenic	NM_131183	nr2f2	6.205350007	9.189430697	-2.984080689	2.81E-11
peak_12239	chr6	36507600	36508446	-176738	Intergenic	NM_131079	her6	3.401863281	6.386205438	-2.984342157	1.69E-07
peak_12640	chr10	26818925	26819473	17769	Intergenic	NM_001077716	zgc:153126	3.914183006	6.898704349	-2.984521343	2.48E-07
peak_9733	chr15	23118641	23119076	-3730	Intergenic	NM_001045472	bbc3	4.184021089	7.168663796	-2.984642708	1.14E-08
peak_17750	chr1	59589604	59590206	-61017	Intergenic	NM_001034182	sid4	2.525720463	5.510388708	-2.984668245	1.17E-05
peak_8801	chr5	38125739	38126656	-4847	Intergenic	NM_213522	igbp1	4.826017789	7.810784899	-2.98476711	3.18E-09

peak_25861	chr19	12065132	12065607	-10374	Intergenic	NM_001136185	LOC799177	3.368192036	6.352960484	-2.984768448	0.000524
peak_7578	chr19	6880303	6881171	-65302	Intergenic	NM_001044927	erf	6.633685491	9.618456937	-2.984771446	4.96E-10
peak_21389	chr18	11765102	11765432	10735	intron (NM_198372, intron 1 of 3)	NM_198372	fam107b	2.751830549	5.73662173	-2.98479118	8.11E-05
peak_9462	chr9	44961378	44961794	90393	Intergenic	NM_200921	ube2e3	3.849893014	6.834804937	-2.984911923	7.97E-09
peak_7234	chr7	12788416	12789150	95810	Intergenic	NM_001080993	mex3b	5.598898563	8.583930458	-2.985031894	2.73E-10
peak_20392	chr9	53404316	53404613	-490813	Intergenic	NM_001076600	tank	1.938847741	4.923942704	-2.985094963	5.07E-05
peak_24862	chr21	18086941	18087546	44854	Intergenic	NM_001002685	agpat9	2.868163296	5.853261788	-2.985098492	0.00037
peak_28039	chr5	31675064	31675335	37947	Intergenic	NR_030068		1.646715745	4.631970974	-2.985255229	0.001117
peak_6722	chr1	46196503	46197713	25595	Intergenic	NM_001089578	si:ch211-214c7.5	6.499603187	9.484866535	-2.985263348	1.04E-10
peak_14849	chr5	51765174	51765693	56114	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	2.712120089	5.697662259	-2.98554217	1.63E-06
peak_9660	chr13	5063293	5063788	182406	Intergenic	NM_131893	meis1	3.494735408	6.480356133	-2.985620725	1.04E-08
peak_13472	chr22	38884282	38884612	492802	Intergenic	NM_001113587	hykk.2	3.038698769	6.024872116	-2.986173347	5.42E-07
peak_8740	chr10	4001661	4002227	-52134	Intergenic	NM_200920	pitpnb	4.704501946	7.690700859	-2.986198914	2.90E-09
peak_23991	chr5	22666837	22667568	-4370	Intergenic	NM_198374	pik3ip1	3.572672044	6.558901053	-2.986229009	0.000256
peak_10466	chr9	31980221	31980785	56646	intron (NM_001080673, intron 1 of 10)	NM_001080673	dachd	4.775396789	7.762409998	-2.987013209	2.62E-08
peak_25902	chr13	7966526	7966939	-17973	Intergenic	NM_001113797	socs5b	2.614767619	5.601849367	-2.987081748	0.000532
peak_29424	chr15	34904432	34905069	-296184	Intergenic	NM_001017614	rhbdd1	2.800163388	5.787308269	-2.987144882	0.001718
peak_16334	chr7	57499187	57499661	137571	Intergenic	NM_212606	cdh15	4.050688545	7.038061435	-2.98737289	4.69E-06
peak_11937	chr17	17910690	17911404	-37077	Intergenic	NM_001099260	bcl11ba	5.831410912	8.819158663	-2.987747751	1.27E-07
peak_8631	chr16	57479217	57479899	-36826	intron (NM_001039925, intron 8 of 11)	NM_001130614	fzd1	4.124614504	7.112608859	-2.987994356	2.45E-09
peak_29829	chr9	29163636	29164074	25678	Intergenic	NM_201499	idh1	2.570823028	5.558930683	-2.988107655	0.001931
peak_7790	chr22	20775023	20776110	28050	Intergenic	NM_001104941	foxq2	5.015056485	8.003461928	-2.988405442	6.82E-10
peak_23249	chr21	12295700	12296024	232116	Intergenic	NM_001025182	stxbp1a	2.664163689	5.652654356	-2.988490667	0.000187
peak_14696	chr1	38439595	38440188	-112393	intron (NM_001145602, intron 4 of 11)	NM_001020641	galnt7	3.751925757	6.740431719	-2.988505962	1.45E-06
peak_6672	chr15	40712462	40713336	98152	Intergenic	NM_001007768	farsb	5.911972541	8.90076177	-2.988789228	9.28E-11
peak_13415	chr13	30078853	30079381	-70579	Intergenic	NM_001017994	cuedc2	4.095254858	7.084051229	-2.98879637	5.16E-07
peak_32065	chr25	1264284	1264608	57498	Intergenic	NM_213027	zgc:73185	1.434885166	4.423727662	-2.988842496	0.003486
peak_20814	chr23	34317096	34317460	18374	TTS (NM_001017636)	NM_001017636	fam50a	2.784293744	5.773202579	-2.988908835	6.14E-05
peak_7218	chr5	69647793	69648691	97005	Intergenic	NM_001013309	htatip	4.446023636	7.434965633	-2.988941997	2.65E-10
peak_14889	chr9	15147980	15148472	-367160	Intergenic	NM_212966	nrp2b	4.206821638	7.195853186	-2.989031548	1.67E-06
peak_11822	chr12	39107401	39108245	-270308	Intergenic	NM_001040355	pmp22b	4.781804919	7.770970218	-2.989165299	1.11E-07
peak_8664	chr18	28776036	28777021	-83626	Intergenic	NM_131515	spon1a	5.8017178	8.791387553	-2.989669753	2.57E-09
peak_24885	chr17	9025296	9025928	-203827	Intergenic	NM_001077768	zranb1b	3.567226082	6.557097017	-2.989870935	0.000372
peak_15307	chr17	27214144	27214616	-13148	Intergenic	NM_001017678	ppie	3.826747503	6.816970026	-2.990222523	2.29E-06
peak_5845	chr24	9978652	9979327	-124864	Intergenic	NM_213142	otulina	5.659437256	8.649957963	-2.990520707	1.66E-11
peak_14664	chr9	38783155	38783418	-23868	Intergenic	NM_001113576	pdia5	2.708761012	5.699364289	-2.990603277	1.42E-06
peak_12325	chr13	45592451	45592903	49210	Intergenic	NM_130925	khdrbs1a	2.818979367	5.809676402	-2.990697035	1.84E-07
peak_22047	chr12	39272641	39272982	-435296	Intergenic	NM_001040355	pmp22b	3.19853316	6.189484148	-2.990950988	0.000111
peak_17938	chr5	44185682	44186100	-62973	Intergenic	NR_048925_20		3.081035483	6.071996745	-2.990961262	1.32E-05
peak_13871	chr9	26666000	26666431	-142963	Intergenic	NM_001135104	zeb2a	3.324838852	6.315800379	-2.990961526	7.51E-07
peak_31407	chr21	5640450	5640822	-8220	Intergenic	NM_001017573	psmd5	0.234016866	3.225200601	-2.991183735	0.002919
peak_7746	chr23	15833648	15834374	248254	Intergenic	NM_001002371	eef1a2	5.372382244	8.364300875	-2.991918631	6.46E-10
peak_7795	chr10	1837699	1838293	16410	intron (NM_131223, intron 1 of 23)	NM_131223	epb41l4a	3.889089251	6.881189948	-2.992100696	6.85E-10
peak_5802	chr10	3726866	3727691	199520	Intergenic	NM_001037412	zgc:123275	5.74656443	8.738957846	-2.992393416	1.51E-11
peak_28737	chr19	36053925	36054297	194377	intron (NM_001144043, intron 2 of 18)	NM_001144043	gabbr2	2.42263522	5.415672297	-2.993037077	0.001387
peak_11316	chr19	42542499	42542884	-51842	Intergenic	NM_001013293	chrac1	3.219927938	6.213949922	-2.994021984	6.79E-08
peak_7246	chr24	4564735	4565416	-37117	Intergenic	NM_130918	fzd8a	6.247747743	9.241912841	-2.994165098	2.79E-10
peak_38542	chr17	23216207	23217045	59887	Intergenic	NM_001128712	pcgf5a	-0.360322949	2.633909057	-2.994232006	0.014084
peak_5220	chr12	2052246	2053442	104519	Intergenic	NM_131643	sox9a	7.42898372	10.42349677	-2.994513051	3.92E-12
peak_13611	chr1	22386355	22386661	52930	Intergenic	NM_001256205	ncapg	2.880158125	5.875918312	-2.995760187	6.10E-07
peak_11260	chr5	49798901	49800404	-41421	Intergenic	NM_001013453	ccnh	5.794978675	8.790745558	-2.995766884	6.38E-08
peak_9134	chr7	71048273	71049212	29242	intron (NM_001128544, intron 5 of 24)	NM_001128544	si:dkey-119o24.1	6.214312838	9.210229941	-2.995917103	5.02E-09
peak_36547	chr7	11975286	11975659	226441	Intergenic	NM_001080704	mesdc2	0.215200887	3.211128651	-2.995927764	0.009643
peak_8383	chr16	26357945	26358489	16592	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	4.095254858	7.092013732	-2.996758873	1.80E-09
peak_5666	chr9	2655074	2655648	-62459	Intergenic	NM_212960	sp9	5.460105758	8.457108802	-2.997003044	1.13E-11
peak_7933	chr20	18816338	18817002	3421	intron (NM_001025550, intron 1 of 2)	NM_001025550	fam167ab	3.890572412	6.887670651	-2.997098239	8.64E-10
peak_11734	chr24	36607224	36607912	-70853	Intergenic	NM_001030067	pcmtd1	4.83917979	7.836764122	-2.997584331	1.02E-07
peak_16194	chr15	38253733	38254374	-40400	Intergenic	NM_131633	robo2	3.866568977	6.864478147	-2.99790917	4.27E-06
peak_8685	chr9	22123729	22124652	7560	intron (NM_001013323, intron 1 of 5)	NM_001013323	wars2	4.09267992	7.090649422	-2.997969502	2.66E-09
peak_31135	chr15	46384831	46385178	-43563	intron (NM_205646, intron 1 of 6)	NM_207070	phox2a	1.459077363	4.457129621	-2.998052258	0.002714
peak_12989	chr3	13700322	13700986	15760	intron (NM_001005924, intron 2 of 7)	NM_001005924	tmem56b	3.104231123	6.102547003	-2.99831588	3.48E-07
peak_34004	chr5	54611239	54611755	-116556	Intergenic	NM_001114424	thbs4a	-0.360322949	2.638176653	-2.998499602	0.005526
peak_5236	chr11	14791627	14792524	227191	Intergenic	NM_212764	zgc:55741	6.613130896	9.612001089	-2.998870193	4.12E-12
peak_24230	chr6	11125336	11125765	-35440	Intergenic	NM_001083031	atg9a	2.975648359	5.974880597	-2.999232237	0.000284
peak_18685	chr1	46453552	46453889	24593	intron (NM_001008624, intron 1 of 20)	NM_001008624	arhgef7b	2.702019304	5.701354843	-2.999335539	1.97E-05
peak_19534	chr20	45209900	45210465	506358	Intergenic	NM_001013534	zgc:103511	3.785795595	6.785182836	-2.999387241	3.16E-05
peak_28934	chr4	22029221	22029434	-10652	Intergenic	NM_001122611	magi2	0.215200887	3.214596615	-2.999395728	0.001483
peak_11475	chr5	34981881	34982390	24475	intron (NM_001128527, intron 26 of 28)	NM_001014828	ptges	3.215200887	6.214603705	-2.999402818	8.06E-08
peak_18148	chr25	30810952	30811325	132835	Intergenic	NM_001083030	brd1b	2.247969535	5.247883712	-2.999914176	1.48E-05
peak_10533	chr1	29639347	29640075	-15229	Intergenic	NM_001080561	zgc:158645	3.808033224	6.808065788	-3.000032565	2.83E-08
peak_18817	chr21	3137196	3137525	62581	Intergenic	NM_213302	hnrnpabb	2.570823028	5.571029133	-3.000206106	2.15E-05
peak_8210	chr23	27477760	27478653	-84703	Intergenic	NM_001214908	wu:fc13c02	4.097825209	7.098236364	-3.000411154	1.36E-09
peak_26119	chr25	28378208	28378854	29791	Intergenic	NM_001080685	spam1	3.782697136	6.783177396	-3.000480259	0.000573
peak_21257	chr12	33904966	33905389	58665	Intergenic	NM_001197059	hlfb	3.027956891	6.028445874	-3.000488984	7.59E-05
peak_7900	chr2	59852584	59853218	-20360	intron (NM_212882_1, intron 8 of 9)	NM_001017839	stk11	4.495710279	7.496693013	-3.000982734	8.13E-10
peak_20340	chr3	30568075	30568538	70876	Intergenic	NM_214766	med25	2.862128275	5.863266432	-3.001138156	4.93E-05
peak_9728	chr2	20489411	20489803	-5524	Intergenic	NM_131217	rxrga	3.344452335	6.345682189	-3.001229853	1.14E-08
peak_17236	chr14	18695360	18695943	-46027	Intergenic	NM_001256194	slbp	3.944487529	6.946131795	-3.001644267	8.21E-06
peak_22683	chr19	46847501	46847975	-18993	Intergenic	NM_001083814	ptpro	0.978440673	3.980152496	-3.001711823	0.000147
peak_6594	chr18	1335215	1336992	-138114	Intergenic	NM_198912	pepd	7.139055068	10.14107227	-3.002017204	7.98E-11
peak_30003	chr9	10717104	10717778	-200294	Intergenic	NM_131834	cxcr4b	3.860615567	6.863991784	-3.003376216	0.002026
peak_7085	chr19	39848530	39849152	119631	Intergenic	NM_001044795	smap2	5.664647767	8.668273348	-3.003625581	2.04E-10
peak_23444	chr20	30849705	30850392	76807	Intergenic	NM_200198	hebp2	4.286981805	7.290759406	-3.003777601	0.000201
peak_27937	chr3	7527838	7528053	-309845	Intergenic	NM_001105127	zgc:173577	0.234016866	3.237886379	-3.003869513	0.001083
peak_33860	chr4	52624223	52624476	950497	Intergenic	NM_001114418	zgc:174704	-0.360322949	2.643577337	-3.003900286	0.005343
peak_37293	chr1	1297796	1298533	-1680	Intergenic	NM_001082942	urp2	-0.360322949	2.643864721	-3.00418767	0.011208
peak_8203	chr11	22570242	22571096	151111	Intergenic	NM_001013545	zgc:101564	6.008924139	9.013966892	-3.005042753	1.35E-09
peak_6335	chr12	45222352	45223428	-320334	Intergenic	NM_001110011	dock1	6.72860394	9.733722334	-3.005118395	4.85E-11
peak_30958	chr23	6075040	6075430	-53212	Intergenic	NM_200558	mybpha	-0.360322949	2.644985273	-3.005308222	0.002595
peak_25469	chr12	39271582	39272010	-434281	Intergenic	NM_001040355	pmp22b	2.614767619	5.620649797	-3.005882178	0.00046
peak_6252	chr24	1714536	1715845	255998	Intergenic	NM_001113644_4	zgc:172101	5.919641425	8.925586365	-3.00594494	4.19E-11
peak_17985	chr15	23611285	23611642	-305772	Intergenic	NM_001003510	dhrs13b	2.086222395	5.092238855	-3.00601646	1.36E-05
peak_11269	chr23	5954098	5954563	-121059	Intergenic	NM_205567	csrp1a	4.10167217	7.107860385	-3.006188216	6.43E-08
peak_7919	chr2	44295431	44296129	21258	exon (NM_131683, exon 9 of 25)	NM_131683	atp1a2a	4.612020614	7.618476482	-3.006455868	8.43E-10
peak_19909	chr22	34003250	34004104	254435	Intergenic	NM_213335	sec13	3.902468895	6.909186896	-3.006718001	3.90E-05
peak_21350	chr9	3353879	3354203	-30508	Intergenic	NM_131305	dlx1a	2.912638768	5.919417043	-3.006778276	7.92E-05
peak_10390	chr12	30978844	30979740	191012	Intergenic	NM_001111150	bms1l	5.24398162	8.250828701	-3.006847081	2.41E-08
peak_21369	chr18	1551890	1552260	145622	Intergenic	NM_001030257	rab27a	2.614767619	5.621700977	-3.006933358	8.00E-05
peak_9013	chr18	14530151	14530922	-2626	Intergenic	NM_001104939	mlc1	5.303220657	8.310340664	-3.007120008	4.26E-09
peak_8901	chr7	15187855	15188658	19538	Intergenic	NM_001089577	rhcga	6.235218809	9.24287533	-3.007656521	3.64E-09
peak_16555	chr6	32814460	32814843	40167	Intergenic	NM_001042687	pomgnt1	2.883141315	5.890928499	-3.007787184	5.44E-06
peak_20275	chr19	22032245	22032459	141346	Intergenic	NM_001042746	tshz1	1.618352549	4.626222551	-3.007870002	4.76E-05
peak_14646	chr17	44407673	44408395	79262	Intergenic	NM_001113796	exoc5	3.95594936	6.963863771	-3.007914411	1.40E-06
peak_11138	chr1	22702089	22702509	61327	Intergenic	NR_030122		3.088808875	6.097233861	-3.008424986	5.71E-08
peak_21839	chr4	5591529	5591885	-23337	Intergenic	NM_131289	pou3f2a	3.081035483	6.090135863	-3.00910038	0.000101

peak_6424	chr3	35578159	35579476	-37556	Intergenic	NR_023338		6.979352824	9.988903349	-3.009550525	5.80E-11
peak_7684	chr12	34527253	34527985	171457	Intergenic	NM_130982	nog3	4.134662696	7.144431515	-3.009768819	5.83E-10
peak_14415	chr1	41587180	41587502	74843	intron (NM_214724, intron 17 of 17)	NM_201306	lrpap1	2.111880861	5.121854051	-3.00997319	1.17E-06
peak_29997	chr9	45826246	45826661	36865	intron (NM_001137665, intron 8 of 29)	NM_001137665	nckap1	-0.360322949	2.649784968	-3.010107917	0.002023
peak_6409	chr6	57630877	57632547	-26608	Intergenic	NM_001076592	zgc:153702	6.606602999	9.616736096	-3.010133098	5.66E-11
peak_41172	chr23	14927885	14928302	9347	intron (NM_001114435, intron 4 of 7)	NM_001114435	sla2	1.787481669	4.797811765	-3.010330096	0.021907
peak_7670	chr24	29811028	29812404	4060	intron (NM_001083844, intron 1 of 65)	NM_001083844	col11a1a	5.531408268	8.542185392	-3.010777124	5.72E-10
peak_26780	chr5	66878611	66879350	34098	Intergenic	NM_001002470	surf4l	3.97012931	6.980953549	-3.010824239	0.000723
peak_16873	chr16	34902403	34902939	-5414	Intergenic	NM_001007315	fbxl4	3.320443851	6.331562596	-3.011118745	6.57E-06
peak_5877	chr19	46873943	46875649	8065	intron (NM_001083814, intron 1 of 26)	NM_001083814	ptpro	6.119527147	9.13083965	-3.011312503	1.79E-11
peak_19845	chr9	26349695	26349972	11988	Intergenic	NM_001017883	med4	1.831388386	4.842878999	-3.011490612	3.76E-05
peak_35023	chr17	5100583	5101078	6658	intron (NM_212858, intron 1 of 6)	NM_212858	runx2a	2.31603542	5.32807328	-3.01203786	0.006903
peak_8969	chr20	4304564	4305273	47924	Intergenic	NM_001076758	zgc:154018	5.348774912	8.360845062	-3.012070151	4.02E-09
peak_9290	chr3	14305806	14306418	59457	Intergenic	NM_001080084	zgc:158403	4.090100377	7.102260656	-3.012160278	6.29E-09
peak_7458	chr2	22151555	22152216	-5616	Intergenic	NM_213162	agxtb	5.628583953	8.640798407	-3.012214454	4.03E-10
peak_5381	chr10	39498166	39499354	-59850	Intergenic	NR_030051		7.271036202	10.28331677	-3.012280563	5.59E-12
peak_18814	chr1	42806262	42806645	144217	intron (NM_001159372, intron 4 of 15)	NM_001159372	ctnna2	4.359525028	7.371991536	-3.012466508	2.14E-05
peak_9599	chr3	12344225	12344884	-18935	intron (NM_001042778, intron 9 of 11)	NM_001076756	ccdc137	5.229335828	8.241862626	-3.012526798	9.57E-09
peak_16348	chr20	17841595	17842279	55916	intron (NM_131081, intron 5 of 15)	NM_131081	cdh2	5.032627122	8.045346428	-3.012719307	4.74E-06
peak_20815	chr20	14363617	14364180	13871	Intergenic	NM_212646	grcc10	3.122017822	6.135243375	-3.013225553	6.15E-05
peak_21769	chr2	47600785	47601082	19835	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	2.621928594	5.635332786	-3.013404193	9.73E-05
peak_13585	chr12	40159351	40159735	53183	intron (NM_001002490, intron 2 of 7)	NM_001002490	ttyh2	2.815860363	5.829372192	-3.013511829	5.93E-07
peak_36804	chr2	10211554	10211895	30373	intron (NM_213090, intron 8 of 16)	NM_213090	scinlb	-0.360322949	2.653382873	-3.013705822	0.010118
peak_15596	chr1	4834213	4834597	-164443	Intergenic	NM_001145693	abcb6a	1.972850631	4.986686498	-3.013835867	2.78E-06
peak_24199	chr3	8910906	8911451	-41264	Intergenic	NM_001014360	zgc:113250	2.618352549	5.632191924	-3.013839375	0.000281
peak_29811	chr21	29128630	29128902	24058	Intergenic	NM_212597	nhp2	1.793836463	4.80776849	-3.013932027	0.001922
peak_12738	chr25	28275631	28276343	-1069	Intergenic	NM_001245960	pot1	3.650222256	6.66418877	-3.013966514	2.75E-07
peak_7398	chr19	878414	879115	-32787	Intergenic	NM_131679	eomesa	6.160764766	9.174862055	-3.014097289	3.63E-10
peak_36856	chr11	4821776	4822135	2721	Intergenic	NM_001077310		-0.360322949	2.653818244	-3.014141193	0.01025
peak_10760	chr19	28706619	28707323	-34793	Intergenic	NM_001020493	irx4b	5.377680074	8.391866751	-3.014186677	3.71E-08
peak_10364	chr8	4510739	4512124	-31890	Intergenic	NM_001040045	myl2b	4.796957255	7.811373184	-3.014415929	2.33E-08
peak_10467	chr24	9539944	9540822	42860	Intergenic	NM_001199738	topbp1	4.628165421	7.642668507	-3.014503086	2.62E-08
peak_6711	chr13	52242177	52242873	25719	intron (NM_001045030, intron 9 of 15)	NM_001045030	prtga	4.727139892	7.741844573	-3.014704681	1.02E-10
peak_22154	chr19	39158486	39158847	-10573	Intergenic	NM_001122760	thsd7a	2.702019304	5.7171001	-3.015080796	0.000117
peak_11901	chr11	5159512	5160038	-335099	Intergenic	NM_001077310		4.134662696	7.150367079	-3.015704383	1.22E-07
peak_24414	chr4	7328570	7329001	-104669	Intergenic	NM_001030152	si:ch211-240l19.5	3.006230172	6.022000838	-3.015770666	0.000306
peak_10067	chr13	31526478	31526902	-6730	Intergenic	NM_213410	prdm8	3.587486179	6.603330982	-3.015844802	1.67E-08
peak_14542	chr20	8586477	8587223	10199	intron (NM_001040685, intron 1 of 25)	NM_001040685	dab1a	4.798584256	7.814541217	-3.015956962	1.29E-06
peak_24129	chr6	53463491	53463905	54261	intron (NM_001013503, intron 13 of 14)	NM_213481_1	gnb1b	3.057306726	6.073592712	-3.016285987	0.000272
peak_6264	chr5	6399513	6400331	62591	Intergenic	NM_001267589	tnks1bp1	5.697715547	8.714024902	-3.016309355	4.29E-11
peak_8871	chr5	45190440	45191312	101750	Intergenic	NM_001099974	rhobtb2a	6.149003529	9.165934771	-3.016931241	3.49E-09
peak_11404	chr1	4872736	4873390	-125785	Intergenic	NM_001145693	abcb6a	5.293658114	8.310672878	-3.017014765	7.46E-08
peak_14607	chr8	21248079	21248435	128103	Intergenic	NM_001123271	si:ch211-133l5.7	2.333588892	5.350728897	-3.017140005	1.35E-06
peak_13630	chr1	25230435	25231643	49823	Intergenic	NM_205662	ppa2	5.918572597	8.93644598	-3.017873383	6.20E-07
peak_12099	chr23	8004479	8004821	220364	Intergenic	NM_001100145	kif3b	3.453067239	6.47100612	-3.017938881	1.47E-07
peak_7661	chr7	17610110	17610712	192835	Intergenic	NM_131158	dbx1a	5.722542785	8.740665097	-3.018122313	5.65E-10
peak_9605	chr13	3779916	3780604	98279	Intergenic	NM_001163199	dnph1	3.954531943	6.972730273	-3.01819833	9.65E-09
peak_15005	chr1	210666	211089	2082	intron (NM_199978, intron 2 of 14)	NM_199978	gas6	2.745287581	5.76354311	-3.018255529	1.81E-06
peak_35330	chr6	16219346	16219797	104441	Intergenic	NM_001002395	faimb	1.938847741	4.957134756	-3.018287015	0.007367
peak_4653	chr5	19453018	19455016	-104970	Intergenic	NM_001100015	chfr	8.017948228	11.0362512	-3.018302974	8.14E-13
peak_22657	chr9	763131	763407	7837	Intergenic	NM_131045	eng1a	2.075829856	5.094481412	-3.018651556	0.000145
peak_6342	chr2	33692466	33693667	18073	intron (NM_130988, intron 17 of 19)	NM_130988	ptch2	6.365183613	9.383940916	-3.018757303	4.92E-11
peak_6589	chr13	26118439	26119326	41785	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	5.858656139	8.877583103	-3.018926964	7.94E-11
peak_8317	chr15	14092232	14093280	-21600	Intergenic	NM_001030247	zgc:114130	6.895751498	9.914855949	-3.01910445	1.63E-09
peak_11854	chr22	112601	112925	-4722	Intergenic	NM_207097	nbl1	2.886118348	5.905311188	-3.01919284	1.16E-07
peak_7796	chr20	48884095	48885232	-36429	Intergenic	NR_030665		6.158612029	9.177921233	-3.019309204	6.85E-10
peak_14659	chr16	5438930	5439338	36681	Intergenic	NM_201200	ppp1r8b	3.48887231	6.508229992	-3.019357682	1.41E-06
peak_20972	chr15	25759966	25760247	115224	Intergenic	NM_199811	rpa1	2.363802745	5.383184016	-3.01938127	6.62E-05
peak_10442	chr4	23129699	23130158	-230419	Intergenic	NM_194401	celf2	3.537128982	6.556864695	-3.019735713	2.55E-08
peak_5937	chr18	42536148	42536807	-6275	Intergenic	NM_001081628	cdon	5.827179997	8.847169979	-3.019989982	2.04E-11
peak_5700	chr18	48189831	48190675	90402	Intergenic	NM_001007334	yif1b	6.654618905	9.674707706	-3.020088801	1.20E-11
peak_10941	chr8	16117839	16118791	-295836	Intergenic	NM_001017814	spata6	5.703683077	8.724064608	-3.020381531	4.58E-08
peak_4687	chr14	33540023	33540776	-78922	Intergenic	NM_001039135	inppl1b	7.166618551	10.18722342	-3.020604868	8.99E-13
peak_8920	chr17	42113791	42114353	6176	intron (NM_001098390, intron 4 of 14)	NM_001098390	zgc:162576	4.411253709	7.432064214	-3.020810504	3.76E-09
peak_12922	chr11	42394222	42394802	-22797	Intergenic	NM_131332	pax7a	4.37985538	7.400700496	-3.020845117	3.24E-07
peak_22975	chr16	34682120	34682518	-64013	Intergenic	NM_001130601	mms22l	3.368192036	6.389101088	-3.020909052	0.000167
peak_10959	chr20	32451652	32452568	7173	intron (NM_001037106, intron 1 of 3)	NM_001037106	snx3	5.354222696	8.375247796	-3.021025101	4.66E-08
peak_17719	chr7	44359179	44359487	-1759	Intergenic	NM_001146305	plxdc2	2.247969535	5.26910482	-3.021135285	1.14E-05
peak_6061	chr9	29958445	29958958	13775	intron (NM_200089, intron 2 of 25)	NM_200089	epb41l5	5.530932828	8.552144068	-3.02121124	2.75E-11
peak_10619	chr13	4400480	4400968	74299	intron (NM_001077325, intron 3 of 8)	NM_213430	pla2g12b	3.6900456	6.711479264	-3.021433664	3.16E-08
peak_9584	chr3	12153634	12154107	34747	intron (NM_001076623, intron 4 of 10)	NM_001076623	prkar1b	4.248037038	7.269889142	-3.021852104	9.40E-09
peak_8576	chr3	34482953	34483629	163307	Intergenic	NM_198911	sept9a	5.046741819	8.068669579	-3.021927761	2.30E-09
peak_17693	chr12	32762518	32763292	27383	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	4.110682964	7.132651811	-3.021968847	1.12E-05
peak_18301	chr10	28184916	28185348	453519	Intergenic	NM_152948	cxadr	2.363802745	5.385858216	-3.022055471	1.62E-05
peak_10302	chr21	3391990	3392683	-192395	Intergenic	NM_213302	hnrnpabb	4.839947665	7.862011849	-3.022064184	2.19E-08
peak_7816	chr11	43083199	43083644	-6484	Intergenic	NM_182875	her15.1	5.058703696	8.081565692	-3.022861996	7.18E-10
peak_9270	chr14	50773635	50774240	-205115	Intergenic	NM_001002065_1	ppid	3.855979326	6.879382812	-3.023403485	6.09E-09
peak_5892	chr21	3386281	3387053	-186726	Intergenic	NM_213302	hnrnpabb	5.206856367	8.23034099	-3.023484624	1.86E-11
peak_5089	chr7	29916936	29918681	-16322	intron (NM_001014813, intron 16 of 22)	NM_199732	tmem9b	7.066762025	10.090332	-3.023569974	2.85E-12
peak_7061	chr22	25185613	25186264	-785	promoter-TSS (NR_102278)	NR_102278		4.341201883	7.365014452	-3.023812569	1.95E-10
peak_6498	chr18	20820834	20821376	6399	intron (NM_152968, intron 1 of 20)	NM_152968	igf1ra	5.050063769	8.07397922	-3.023915451	6.71E-11
peak_40398	chr16	56817360	56817640	8586	intron (NM_200956, intron 5 of 12)	NM_200956	ptdss1a	-0.360322949	2.663703566	-3.024026515	0.019229
peak_22769	chr13	10708352	10708979	172856	Intergenic	NM_200480	dync2li1	3.420463621	6.445117466	-3.024653845	0.000152
peak_16605	chr5	52184380	52184746	283271	Intergenic	NM_001135983	zgc:194908	2.895012766	5.920300289	-3.025287523	5.61E-06
peak_18890	chr24	24014251	24014540	264937	Intergenic	NM_001075111	hnf4g	2.567117871	5.592763414	-3.025645543	2.23E-05
peak_9532	chr13	22738792	22739781	43283	intron (NM_131621, intron 2 of 12)	NM_131621	bmpr1aa	6.330587048	9.356439627	-3.025852579	8.69E-09
peak_7267	chr13	10166419	10167173	-19657	Intergenic	NM_001145616	prepl	5.77097463	8.797029952	-3.026055322	2.87E-10
peak_7764	chr1	51454397	51454956	24088	Intergenic	NM_131215	otx1a	4.744515468	7.770575213	-3.026059746	6.61E-10
peak_7129	chr16	56592581	56593371	-59392	Intergenic	NM_001083010	zgc:158766	6.048071517	9.074460051	-3.026388534	2.22E-10
peak_13762	chr21	9248163	9248576	-26992	intron (NM_001080201, intron 1 of 5)	NM_001077300	cplx4a	3.088808875	6.115229723	-3.026420849	6.87E-07
peak_5825	chr18	42674081	42674926	43591	Intergenic	NM_001045140	si:ch211-151h10.	4.924355407	7.951649491	-3.027294084	1.59E-11
peak_21915	chr7	29923249	29923890	-22083	exon (NM_001014813, exon 15 of 23)	NM_199732	tmem9b	3.19853316	6.225868232	-3.027335072	0.000105
peak_19415	chr20	32606625	32606891	66114	Intergenic	NM_001002588	sec63	1.831388386	4.858818064	-3.027429677	2.95E-05
peak_24467	chr2	44571437	44571744	-35823	Intergenic	NM_001126468	si:dkeyp-94h10.5	1.831388386	4.859178091	-3.027789704	0.000312
peak_11414	chr13	7304280	7304825	304744	Intergenic	NM_001281798	ninl	4.033337828	7.06116465	-3.027826823	7.53E-08
peak_16630	chr7	19161806	19162332	7542	intron (NM_214695, intron 1 of 17)	NM_214695	mta2	3.517952391	6.546026824	-3.028074433	5.68E-06
peak_6988	chr9	3235156	3236173	19544	Intergenic	NM_001076667_1	dync1i2a	5.017094822	8.045322167	-3.028227345	1.66E-10
peak_5055	chr5	37623640	37625261	51109	Intergenic	NM_001004659	zgc:103697	7.499360188	10.52759507	-3.028234884	2.57E-12
peak_11025	chr6	59832935	59833496	-21422	Intergenic	NM_001080701	slc32a1	4.28916694	7.317741657	-3.028574716	5.06E-08
peak_10369	chr13	13351759	13352251	-87560	Intergenic	NM_198916	foxi2	4.170582953	7.19925368	-3.028670727	2.35E-08
peak_14340	chr7	21309040	21309389	41649	Intergenic	NM_001030238	zgc:114045	2.215200887	5.243981865	-3.028780978	1.09E-06
peak_21266	chr20	15350475	15350720	180252	Intergenic	NM_200805	prdx6	2.075829856	5.104649811	-3.028819955	7.60E-05
peak_25333	chr17	21266551	21266894	4757	intron (NM_194410, intron 2 of 2)	NM_194410	vax1	2.941712126	5.970614758	-3.028902633	0.000438
peak_22229	chr19	9119917	9120343	15792	exon (NM_200597, exon 3 of 5)	NM_200597	efna1a	2.961605146	5.990748042	-3.029142896	0.000121
peak_12968	chr22	25021046	25021387	-26836	Intergenic	NM_001099256	si:dkey-121a9.3	3.508324013	6.537600161	-3.029276148	3.40E-07

peak_15769	chr7	66451930	66452651	121751	Intergenic	NM_001077722	tpcn2	4.928693146	7.958015881	-3.029322735	3.21E-06
peak_33987	chr1	37412289	37412635	-145908	Intergenic	NM_001144051	si:dkey-27n6.1	-0.360322949	2.669187667	-3.029510616	0.005508
peak_8919	chr3	40471615	40472571	52471	Intergenic	NM_181601	actb2	5.00478143	8.034518247	-3.029736817	3.76E-09
peak_15415	chr6	30445956	30446339	49978	Intergenic	NM_001037669	insl5a	2.964424746	5.994164418	-3.029739672	2.45E-06
peak_5909	chr5	75043181	75044210	65665	Intergenic	NM_001114475	fam78ab	6.346090586	9.376093238	-3.030002652	1.92E-11
peak_12176	chr18	26866410	26866849	22949	Intergenic	NM_001025538	tspan3a	2.718814869	5.748962319	-3.030147449	1.59E-07
peak_13934	chr19	28666486	28667080	-50463	Intergenic	NM_131823	irx1b	3.440971353	6.471380555	-3.030409201	7.93E-07
peak_9323	chr18	38623304	38624368	-28253	Intergenic	NM_001017682	sema6dl	6.842643186	9.873140652	-3.030497466	6.59E-09
peak_7161	chr10	41063093	41063766	-194021	Intergenic	NM_200744	smfn	5.637470398	8.66807589	-3.030605492	2.32E-10
peak_17203	chr17	16306935	16307955	42485	intron (NM_001017812, intron 5 of 5)	NM_001017812	efcab11	4.402902949	7.43352065	-3.030617701	8.00E-06
peak_20971	chr11	33009814	33010306	422857	Intergenic	NM_001003624	diaph3	2.702019304	5.732671839	-3.030652534	6.60E-05
peak_12295	chr18	11926705	11927044	134411	intron (NM_001099985, intron 8 of 13)	NM_001099985	hipk2	2.738714804	5.769490339	-3.030775535	1.78E-07
peak_6170	chr4	16231555	16232146	-81339	Intergenic	NM_001099454	casc1	5.313761648	8.344608556	-3.030846908	3.53E-11
peak_17431	chr7	66438191	66438656	107884	Intergenic	NM_001077722	tpcn2	3.869668115	6.90057597	-3.030907855	9.29E-06
peak_12087	chr1	21186659	21186980	-683	promoter-TSS (NM_201220)	NM_201220	chrnb3a	2.725478726	5.756850481	-3.031371755	1.45E-07
peak_5976	chr18	17450822	17452277	5833	intron (NM_001080030, intron 1 of 7)	NM_001080030	si:ch211-216l23.1	5.788628921	8.820110375	-3.031481454	2.23E-11
peak_9387	chr13	17302671	17303152	210424	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	3.496684491	6.528588447	-3.031903956	7.23E-09
peak_12076	chr21	3699261	3699955	-10239	Intergenic	NM_175082	smad7	4.149677235	7.182232595	-3.032555359	1.44E-07
peak_7165	chr9	13406055	13406571	9496	intron (NM_001128362, intron 1 of 7)	NM_001128362	si:dkey-56k23.2	4.254962771	7.287670053	-3.032707282	2.34E-10
peak_19739	chr24	255207	255724	-21195	intron (NM_001089337, intron 2 of 7)	NM_001020572	impa2	2.702019304	5.734863585	-3.032844281	3.53E-05
peak_30300	chr11	7582872	7583193	-26660	Intergenic	NM_213367	eltd1	0.95594936	3.989249867	-3.033300506	0.002192
peak_9156	chr22	24360015	24360705	6359	intron (NM_001044943, intron 1 of 12)	NM_001044943	crb1	5.77097463	8.804520471	-3.033545841	5.17E-09
peak_27900	chr5	58102951	58103357	-180116	Intergenic	NM_001102384	tbx2a	2.664163689	5.697878981	-3.033715292	0.001066
peak_11306	chr20	19453911	19454498	128972	Intergenic	NM_001045157	snx17	5.092642331	8.126573988	-3.033931657	6.71E-08
peak_12792	chr1	44104767	44105082	5151	intron (NM_001017809, intron 3 of 9)	NM_001017809	bdh2	2.880158125	5.914198496	-3.034040371	2.88E-07
peak_28076	chr7	39279044	39279480	32231	Intergenic	NM_200889	heatr3	2.702019304	5.736539555	-3.034520251	0.00113
peak_23548	chr7	41757307	41757758	-120651	intron (NM_001128667, intron 11 of 22)	NR_030097		3.612971808	6.647662551	-3.034690743	0.00021
peak_18193	chr25	18874089	18874391	48531	intron (NM_200118, intron 10 of 11)	NM_200118	poc1b	2.324838852	5.359661058	-3.034822205	1.52E-05
peak_26244	chr8	13859901	13860318	21721	Intergenic	NM_200565	ccdc124	2.639677051	5.674534767	-3.034857717	0.000599
peak_9730	chr16	54706060	54706823	-4735	Intergenic	NM_213187	dhdds	4.738762843	7.773873804	-3.035110961	1.14E-08
peak_9484	chr5	30222505	30223207	-31044	intron (NM_130907, intron 11 of 22)	NM_001089574	zgc:162952	5.370288661	8.405503196	-3.035214535	8.23E-09
peak_17593	chr19	1168096	1168529	-48902	Intergenic	NM_001130777	slc39a4	3.295898468	6.331174316	-3.035275847	1.05E-05
peak_16956	chr7	55538386	55538721	30908	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	2.31603542	5.351536079	-3.03550066	6.87E-06
peak_22429	chr11	16736126	16736490	134708	Intergenic	NM_001030143	slc25a26	2.200926086	5.236488685	-3.035562599	0.000131
peak_35370	chr13	49172388	49172765	-156940	Intergenic	NM_001159668	fbxo11a	-0.360322949	2.675539545	-3.035862494	0.007445
peak_7856	chr9	56796263	56797136	-17925	Intergenic	NM_001013334	gpm6bb	5.947046777	8.983121462	-3.036074685	7.53E-10
peak_6439	chr18	41446531	41447414	122810	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	5.116995205	8.153924229	-3.036929024	6.02E-11
peak_6799	chr16	56604935	56605470	-47166	Intergenic	NM_001083010	zgc:158766	4.966535835	8.003467637	-3.036931802	1.17E-10
peak_12760	chr15	28376335	28376878	2524	intron (NM_001077721, intron 1 of 11)	NM_001077721	si:ch211-137a8.2	4.901647778	7.938629189	-3.036981411	2.80E-07
peak_7922	chr12	23622651	23623115	8503	intron (NM_001114552, intron 1 of 3)	NM_001114552	wnt3	4.489851149	7.527188608	-3.037337459	8.44E-10
peak_13732	chr10	44987303	44987963	68634	Intergenic	NR_045221		3.403941868	6.441306669	-3.037364801	6.70E-07
peak_5894	chr14	5789044	5789723	33810	Intergenic	NM_001105124	kazald2	5.799745742	8.837154952	-3.037409211	1.88E-11
peak_9424	chr3	14630283	14630928	55963	intron (NM_001040248, intron 8 of 10)	NM_201195	nme4	3.342286181	6.379810719	-3.037524539	7.59E-09
peak_22349	chr21	17493636	17494092	-228408	Intergenic	NM_213355	smpd4	3.309268024	6.346968886	-3.037700862	0.000127
peak_22058	chr10	45000097	45000407	56015	Intergenic	NR_045221		2.234016866	5.272374995	-3.038358129	0.000112
peak_23279	chr3	30578245	30578807	60656	Intergenic	NM_214766	med25	2.31603542	5.354606919	-3.038571499	0.000189
peak_7329	chr10	27765817	27766801	34696	intron (NM_152948, intron 1 of 7)	NM_152948	cxadr	6.130570748	9.169150593	-3.038579845	3.22E-10
peak_16652	chr5	9803785	9804138	49	promoter-TSS (NM_201339_1)	NM_201339_1	tal2	2.871171366	5.909834039	-3.038662673	5.76E-06
peak_9199	chr15	17519218	17519629	-1102	Intergenic	NM_131831	ncam1b	4.171803318	7.210641527	-3.038838209	5.51E-09
peak_12269	chr7	66949084	66949571	25728	Intergenic	NM_001079987	tmem41b	4.653720264	7.692924637	-3.039204372	1.73E-07
peak_26782	chr17	12753864	12754702	-51794	intron (NM_001146304, intron 38 of 39)	NM_199629	nfkbiab	2.793836463	5.833097913	-3.039261451	0.000723
peak_16728	chr23	38480686	38480979	227892	Intergenic	NM_001020707	zgc:112994	1.646715745	4.68597976	-3.039264015	6.05E-06
peak_31878	chr7	38324065	38324479	303351	Intergenic	NR_036681		2.122017822	5.161531835	-3.039514013	0.003334
peak_18089	chr7	31369064	31369380	-18774	Intergenic	NM_001037579	pstpip1b	1.618352549	4.658091935	-3.039739386	1.44E-05
peak_6426	chr15	38251197	38251689	-37790	Intergenic	NM_131633	robo2	4.545626554	7.585516974	-3.03989042	5.83E-11
peak_7700	chr3	44306930	44308407	-15941	Intergenic	NM_001002533_1	rab11fip4a	6.876376775	9.916279883	-3.039903107	5.98E-10
peak_6597	chr7	27618586	27619497	4774	Intergenic	NM_131702	sox19b	5.489822607	8.529837877	-3.04001527	8.00E-11
peak_10134	chr5	30267811	30268767	48904	intron (NM_130907, intron 1 of 22)	NM_130907	tnc	3.843780917	6.883847643	-3.040066726	1.81E-08
peak_10560	chr25	29401553	29402566	-54238	Intergenic	NM_001098391	tmem17	5.397205918	8.437578147	-3.040372229	2.91E-08
peak_22852	chr9	7580510	7581118	-1	promoter-TSS (NM_130963)	NM_130963	desma	2.944570835	5.985055228	-3.040484393	0.000158
peak_22559	chr4	51871152	51872161	-797050	Intergenic	NM_001109839_1	zgc:173617	0.625495796	3.666737433	-3.041241637	0.000139
peak_11436	chr18	5179608	5180556	57522	Intergenic	NM_001013457	gcsha	3.848367416	6.889692719	-3.041325303	7.68E-08
peak_9146	chr3	9031815	9032315	62076	Intergenic	NM_131836_1	sim2	4.071837003	7.113538181	-3.041701178	5.12E-09
peak_8654	chr12	38639047	38639876	129634	Intergenic	NM_001080568	hs3st3b1b	4.738762843	7.780537772	-3.041774929	2.51E-09
peak_36848	chr3	42674314	42674640	19425	Intergenic	NM_001082830	ubfd1	-0.360322949	2.681638125	-3.041961074	0.010229
peak_5759	chr9	13664392	13665287	-33570	Intergenic	NM_131139	fzd7a	6.868119378	9.910109546	-3.041990168	1.37E-11
peak_22653	chr18	23501156	23501539	157718	Intergenic	NM_131183	nr2f2	2.247969535	5.290167881	-3.042198346	0.000145
peak_7155	chr6	45844439	45845001	-1836	Intergenic	NM_131415	epha2a	6.237826053	9.280063917	-3.042237864	2.30E-10
peak_9502	chr5	37780348	37781247	148054	Intergenic	NM_131805	efnb1	4.626334289	7.668597368	-3.042263079	8.36E-09
peak_34792	chr15	36329696	36330227	41792	Intergenic	NM_001017888	lin37	-0.360322949	2.681962673	-3.042285622	0.006546
peak_10612	chr7	35024641	35025780	-6937	Intergenic	NM_131780	gro1	4.716259173	7.758842818	-3.042583646	3.11E-08
peak_19289	chr9	4830950	4831261	149994	Intergenic	NM_198356	prpf40a	2.664163689	5.707263349	-3.043099661	2.77E-05
peak_8971	chr8	26021160	26021941	-21416	Intergenic	NM_001111250	gnai3	4.961605146	8.004752071	-3.043146925	4.03E-09
peak_18838	chr11	27773809	27774158	-138814	Intergenic	NM_001045307	acad9	2.205700064	5.249117712	-3.043417648	2.17E-05
peak_5852	chr12	36739500	36740562	-124795	Intergenic	NM_200770	fscn2b	6.24307725	9.286619434	-3.043542184	1.69E-11
peak_33940	chr14	47124233	47126758	43501	intron (NM_001076572, intron 1 of 9)	NM_001076572	atp8a1	-0.360322949	2.683979724	-3.044302674	0.005459
peak_19959	chr13	50020279	50020599	102726	Intergenic	NM_001142263	disc1	2.215200887	5.2598753	-3.044674413	4.01E-05
peak_10812	chr3	30309189	30309928	-44	promoter-TSS (NM_001172398)	NM_001172398	si:ch211-152f23.1	5.266432285	8.311222354	-3.044790069	3.93E-08
peak_5318	chr15	8352292	8353120	30833	intron (NM_001044904, intron 3 of 9)	NM_001044904	tnfrsf19	6.602736129	9.64759539	-3.044859262	4.95E-12
peak_9006	chr2	7673825	7674458	71432	Intergenic	NM_001013525	kcnmb2	4.825242463	7.870725109	-3.045482646	4.24E-09
peak_10775	chr9	33819779	33820288	18228	Intergenic	NM_001017662	zgc:112056	4.216384103	7.262141522	-3.045757419	3.76E-08
peak_13147	chr17	42148321	42149773	41151	intron (NM_001098390, intron 13 of 14)	NM_001098390	zgc:162576	5.824877271	8.870647056	-3.045769785	4.05E-07
peak_10777	chr5	37035441	37035899	19027	Intergenic	NM_001128367	ptger4b	4.168139123	7.214171828	-3.046032705	3.76E-08
peak_6243	chr18	43525652	43526424	-88208	Intergenic	NM_001004538	gyltl1b	5.438915908	8.485534489	-3.046618581	4.09E-11
peak_7094	chr9	38625914	38626808	-180793	Intergenic	NM_001113576	pdia5	5.517528496	8.564260426	-3.04673193	2.10E-10
peak_6981	chr15	35189042	35189928	-11449	Intergenic	NM_001017614	rhbdd1	5.784223923	8.831019751	-3.046795828	1.64E-10
peak_5774	chr16	52982651	52983456	67578	Intergenic	NM_001201489	efhb	5.922906591	8.969867755	-3.046961164	1.42E-11
peak_7682	chr17	10139446	10139956	-39990	Intergenic	NM_131432	tyro3	4.031994474	7.079089737	-3.047095263	5.81E-10
peak_20543	chr22	13952966	13953254	42298	Intergenic	NM_001002552	s100b	2.42263522	5.470537733	-3.047902513	5.43E-05
peak_19928	chr7	32175525	32175849	59394	Intergenic	NM_001020766	mcee	2.471023015	5.519090558	-3.048067543	3.95E-05
peak_12748	chr12	2112192	2112544	44995	Intergenic	NM_131643	sox9a	3.295898468	6.344113931	-3.048215463	2.77E-07
peak_21908	chr24	29394841	29395351	-34743	Intergenic	NM_200595	fbxo45	3.751830549	6.800254956	-3.048424407	0.000105
peak_19779	chr2	28335343	28335645	-192134	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	2.42263522	5.471246116	-3.048610897	3.61E-05
peak_6090	chr20	8196984	8197837	399639	Intergenic	NM_001040685	dab1a	5.225815055	8.274506793	-3.048691738	2.95E-11
peak_13985	chr5	70047762	70048472	63228	Intergenic	NM_001126403	rps6ka4	4.026608515	7.075381707	-3.048773192	8.28E-07
peak_10993	chr7	43023903	43025173	-589101	Intergenic	NM_131063	shha	4.818200248	7.867102053	-3.048901805	4.89E-08
peak_14322	chr6	29214846	29215263	90001	Intergenic	NM_001098386	usp13	3.049361258	6.098384291	-3.049023033	1.08E-06
peak_17350	chr16	54625051	54625409	-85946	Intergenic	NM_213187	dhdds	2.320443851	5.369598919	-3.049155068	8.81E-06
peak_5205	chr5	54893605	54894596	-65632	Intergenic	NM_212961	cdk7	6.316263055	9.365818175	-3.04955512	3.81E-12
peak_9662	chr5	56230876	56231309	-76642	Intergenic	NM_001001727_1	rgmb	3.219927938	6.269672946	-3.049745008	1.04E-08
peak_14836	chr5	68760931	68761467	10249	intron (NM_131302, intron 2 of 33)	NM_131302	notch1b	3.696843362	6.746839272	-3.049995911	1.62E-06
peak_9414	chr18	30306199	30306734	-79552	Intergenic	NM_001080807	gse1	3.953113131	7.003313065	-3.050199933	7.49E-09
peak_24671	chr5	31798846	31799090	-14012	Intergenic	NM_001144798	zbtb44	1.950271315	5.000485208	-3.050213893	0.000341
peak_10553	chr6	14640918	14641518	-208792	Intergenic	NM_201447	pou3f3b	4.92507927	7.9753441	-3.050264831	2.89E-08
peak_7788	chr12	23613656	23614992	-56	promoter-TSS (NM_001114552)	NM_001114552	wnt3	5.033337828	8.083734444	-3.050396616	6.81E-10

peak_6634	chr3	14302921	14303429	56520	Intergenic	NM_001080084	zgc:158403	5.698562507	8.749304674	-3.050742167	8.80E-11
peak_11244	chr8	9856737	9857308	258188	intron (NM_001098489, intron 10 of 31)	NM_001098489	plxna3	4.431772988	7.482727958	-3.05095497	6.29E-08
peak_26088	chr15	40559729	40560483	218506	Intergenic	NM_001002430	pxylp1	3.988171427	7.039265056	-3.051093629	0.000568
peak_11852	chr23	23090511	23091498	140317	Intergenic	NM_212722	eno1a	4.030649868	7.081935536	-3.051285668	1.15E-07
peak_8077	chr13	1477618	1478168	-196761	Intergenic	NM_201000	bag2	4.586571412	7.638071513	-3.0515001	1.09E-09
peak_7460	chr19	917026	917728	-71400	Intergenic	NM_131679	eomesa	5.010289137	8.062019443	-3.051730306	4.04E-10
peak_6074	chr13	52214341	52215382	-1945	Intergenic	NM_001045030	prtga	5.964776808	9.016747446	-3.051970638	2.85E-11
peak_8998	chr12	38951066	38951886	-113961	Intergenic	NM_001040355	pmp22b	5.173058203	8.225157518	-3.052099315	4.21E-09
peak_5232	chr5	21467396	21468335	-27474	Intergenic	NM_001126454	fam222a	5.507869092	8.560046195	-3.052177104	4.05E-12
peak_5250	chr11	16360118	16361078	45030	intron (NM_001033727, intron 3 of 6)	NM_001033727	draxin	6.05372841	9.10600533	-3.05227692	4.23E-12
peak_20985	chr19	22336771	22337072	-138031	Intergenic	NM_001159669	LOC100003866	1.618352549	4.670755231	-3.052402682	6.65E-05
peak_10422	chr11	3866202	3866768	56158	Intergenic	NM_131233	gata2a	3.951692923	7.004431935	-3.052739012	2.51E-08
peak_13925	chr21	6613434	6613915	-94530	Intergenic	NM_001003486	olfm1b	3.033337828	6.086256683	-3.052918856	7.86E-07
peak_31808	chr20	23011377	23011772	2162	exon (NM_200140, exon 4 of 4)	NM_200140	rasl11b	1.66069094	4.713663285	-3.052972345	0.003271
peak_19263	chr24	39567933	39568249	18303	Intergenic	NM_001025297	crp2	2.434885166	5.488098156	-3.05321299	2.73E-05
peak_6449	chr25	34325101	34325678	71002	Intergenic	NM_001089422	zgc:162595	5.226989601	8.280424421	-3.053434821	6.09E-11
peak_22904	chr2	33095550	33095866	-4921	Intergenic	NM_001030073	slc6a9	1.243333623	4.296968946	-3.053635324	0.000162
peak_11908	chr1	43168704	43169438	506835	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	5.021839771	8.07561203	-3.053772259	1.23E-07
peak_5424	chr22	25044938	25045620	-50899	Intergenic	NM_001099256	si:dkey-121a9.3	6.267892874	9.321667131	-3.053774257	6.36E-12
peak_7533	chr8	20728164	20728772	32596	3' UTR (NM_001126379, exon 15 of 15)	NM_001126379	acsbg2	4.66161059	7.715640642	-3.054030052	4.65E-10
peak_19218	chr3	42507746	42508146	-7700	Intergenic	NM_001109869	kdm8	2.862128275	5.91623875	-3.054110475	2.66E-05
peak_12201	chr24	21865400	21865920	1737	intron (NM_001005393, intron 1 of 18)	NM_001005393	boc	3.154623552	6.208852222	-3.05422867	1.63E-07
peak_19338	chr14	30388406	30388784	-256436	Intergenic	NM_001045414	zgc:153146	2.324838852	5.379509338	-3.054670486	2.83E-05
peak_10738	chr23	34056652	34057053	-64718	Intergenic	NM_199598	cs	3.215200887	6.270105124	-3.054904237	3.59E-08
peak_35347	chr20	8569225	8569601	27636	intron (NM_001040685, intron 1 of 25)	NM_001040685	dab1a	0.944570835	3.999773874	-3.05520304	0.007404
peak_14156	chr14	34739121	34739585	41089	Intergenic	NM_001166124	apln	2.33794409	5.393693061	-3.055748971	9.53E-07
peak_13713	chr3	26565763	26566560	73144	intron (NM_001172397, intron 4 of 10)	NM_001172397	xylt1	5.323741357	8.37949399	-3.055752633	6.62E-07
peak_5117	chr8	29356688	29357475	-18551	Intergenic	NM_213637	scrt2	6.239880828	9.295705231	-3.055824403	3.09E-12
peak_36774	chr14	49162073	49162397	10381	Intergenic	NM_001045302	mgst2	1.205700064	4.261588191	-3.055888127	0.01007
peak_15476	chr7	28533387	28533911	117233	intron (NM_001123009, intron 8 of 14)	NM_001123009	sox6	2.941712126	5.998100202	-3.056388076	2.56E-06
peak_5840	chr5	57593869	57594555	-65999	Intergenic	NM_001077373	mks1	5.394564553	8.451146594	-3.05658204	1.65E-11
peak_17900	chr19	35853776	35854067	-5813	Intergenic	NM_001144043	gabbr2	1.787481669	4.844475831	-3.056994162	1.29E-05
peak_22703	chr25	26326396	26326618	45488	Intergenic	NR_029936		1.618352549	4.675697746	-3.057345197	0.000148
peak_22942	chr24	10024132	10024509	-79533	Intergenic	NM_213142	otulina	2.243333623	5.300798645	-3.057465023	0.000165
peak_9638	chr7	15233662	15234306	23016	Intergenic	NR_045222		3.917096733	6.974685705	-3.057588972	1.00E-08
peak_7829	chr15	24007642	24008308	10394	intron (NM_212805, intron 2 of 10)	NM_212805	smtnl	3.928693146	6.986286308	-3.057593162	7.28E-10
peak_21453	chr20	8082525	8082852	320621	Intergenic	NM_001244756	bloc1s2	3.057306726	6.114948187	-3.057641461	8.33E-05
peak_14784	chr13	25921121	25921511	22167	intron (NM_001145587, intron 7 of 17)	NM_001145587	si:dkey-192p21.6	2.886118348	5.944162235	-3.058043887	1.55E-06
peak_12901	chr21	37049603	37050143	53226	intron (NM_001080003, intron 2 of 5)	NM_001080003	si:ch211-208m1..	4.011613085	7.069659721	-3.058046636	3.17E-07
peak_10582	chr24	12977669	12978354	56219	intron (NM_200925, intron 5 of 14)	NM_200925	stau2	4.558746311	7.616985173	-3.058238862	3.01E-08
peak_12347	chr6	31871323	31871672	-85532	Intergenic	NM_131290	foxd3	3.036020788	6.094315347	-3.058294559	1.89E-07
peak_12936	chr23	32996511	32997076	365672	Intergenic	NM_200286	taf8	3.623713297	6.682124007	-3.058410709	3.28E-07
peak_11855	chr8	45642555	45643041	-25586	Intergenic	NM_001007032	ncor2	3.453067239	6.511631071	-3.058563832	1.16E-07
peak_5038	chr9	19411390	19412365	-35526	Intergenic	NM_001017832	gtf2f2b	6.55970608	9.618486371	-3.05878029	2.46E-12
peak_6531	chr24	17742332	17742833	-63330	Intergenic	NM_001008734	commd3	4.852178391	7.91104264	-3.058864249	7.12E-11
peak_6668	chr10	40247296	40248129	104544	intron (NM_001030224, intron 11 of 32)	NM_001166122	pcp4a	5.972891474	9.031848494	-3.05895702	9.22E-11
peak_22131	chr16	9938005	9938525	25564	intron (NM_001289913, intron 2 of 13)	NM_001289913	cobl	4.00759772	7.066627165	-3.059029444	0.000115
peak_6608	chr6	56596889	56597593	477864	Intergenic	NM_001008576_1	tfap2c	5.076443574	8.135506518	-3.059062944	8.21E-11
peak_24864	chr5	41024779	41025585	54755	intron (NM_001044709, intron 16 of 16)	NM_001044709	antxr2a	3.795328417	6.854473182	-3.059144765	0.00037
peak_18663	chr6	3928773	3929134	-60619	Intergenic	NM_200247	unc50	2.909716015	5.969141617	-3.059425603	1.95E-05
peak_5832	chr4	5883615	5884105	144563	intron (NM_001030082, intron 6 of 20)	NM_001030082	foxp2	5.341744134	8.401200858	-3.059456725	1.62E-11
peak_33544	chr15	28998264	28998526	-62712	Intergenic	NM_001128669	samsn1a	-0.360322949	2.699451456	-3.059774405	0.004965
peak_35327	chr11	37258668	37258951	8563	Intergenic	NM_001004590	cyb561d1	0.215200887	3.275011993	-3.059811106	0.007361
peak_8565	chr23	23136907	23137813	186673	Intergenic	NM_212722	eno1a	4.217566349	7.277567191	-3.060000842	2.26E-09
peak_9147	chr21	40329156	40329514	6109	intron (NM_001030122, intron 1 of 8)	NM_001030122	ppp2r2bb	3.157090365	6.217177567	-3.060087202	5.12E-09
peak_8447	chr7	40019105	40019565	11573	Intergenic	NM_001025180	c6ast4	4.09267992	7.153095235	-3.060415315	1.96E-09
peak_19870	chr24	1734795	1735216	275813	Intergenic	NM_001113644_4	zgc:172101	3.238682765	6.299228585	-3.060545819	3.81E-05
peak_13012	chr18	4653333	4653853	9367	intron (NM_001030280, intron 7 of 8)	NM_001030280	slc24a5	3.583823625	6.644411905	-3.06058828	3.57E-07
peak_24154	chr20	24628860	24629181	319111	Intergenic	NM_131459_1	pdgfra	1.787481669	4.84836612	-3.060884451	0.000275
peak_33591	chr14	13426329	13427153	-284671	Intergenic	NM_001002326	pls3	-0.360322949	2.70062424	-3.060947189	0.005013
peak_8120	chr22	20286609	20287130	43064	intron (NM_001130788, intron 2 of 10)	NM_001130788	celf5a	4.128390782	7.189753366	-3.061362584	1.18E-09
peak_12582	chr20	48338985	48339542	45194	Intergenic	NM_001024665	tfap2b	3.282403856	6.343904227	-3.061500371	2.35E-07
peak_7672	chr15	2261892	2262482	80981	intron (NM_212947, intron 4 of 10)	NM_212947	rsrc1	3.772986383	6.834705301	-3.061718919	5.74E-10
peak_5564	chr7	50088954	50089648	32842	intron (NM_001123242, intron 13 of 17)	NM_001002040	cdkn1c	5.798561212	8.860340523	-3.061779311	9.05E-12
peak_13565	chr7	29472004	29472551	12286	intron (NM_173219, intron 1 of 3)	NM_173219	lmo1	3.833022039	6.894956016	-3.061933977	5.87E-07
peak_4725	chr7	30029856	30031679	-12778	Intergenic	NM_001020481	gpr56	7.177317667	10.23936285	-3.062045181	1.00E-12
peak_14620	chr8	22681073	22681543	-203492	Intergenic	NM_194404	dffb	3.179103907	6.241157366	-3.062053458	1.37E-06
peak_9118	chr20	19410023	19410583	161184	Intergenic	NM_001030220	blk	4.612919391	7.675065126	-3.062145735	4.94E-09
peak_10503	chr1	22817956	22818638	-32184	Intergenic	NM_152975	mab21l2	5.502544283	8.564802976	-3.062258693	2.73E-08
peak_6146	chr10	32745086	32745735	-8003	Intergenic	NM_213396	fez1	5.009606799	8.071958368	-3.062351568	3.34E-11
peak_9963	chr21	2060424	2061016	63285	Intergenic	NM_001113432	st8sia3	4.470089187	7.532576089	-3.062486902	1.50E-08
peak_22403	chr2	19742346	19742711	24970	intron (NM_131614_1, intron 6 of 6)	NM_131614_1	pbx1a	2.784293744	5.847458395	-3.063164651	0.00013
peak_8003	chr24	7075929	7076801	358952	Intergenic	NM_001089556	actr3b	5.729237842	8.792564676	-3.063326833	9.67E-10
peak_33554	chr20	30471584	30471982	-44807	Intergenic	NM_001044899	myt1la	1.787481669	4.850926984	-3.063445315	0.004973
peak_12531	chr16	31451821	31452442	7669	Intergenic	NR_029995		5.4297639	8.493392781	-3.063628881	2.25E-07
peak_5809	chr13	19806470	19807417	121498	Intergenic	NM_001002536	fam204a	6.211610793	9.275426169	-3.063815376	1.53E-11
peak_29962	chr14	18698680	18699056	-42810	Intergenic	NM_001256194	slbp	3.057306726	6.121511324	-3.064204598	0.002007
peak_18722	chr7	37080199	37080625	84531	Intergenic	NM_001045227	irx5a	3.745287581	6.809714457	-3.064426876	2.02E-05
peak_6155	chr9	39858444	39859365	78098	Intergenic	NM_001105135	tas2r3	5.228749629	8.29337498	-3.064625352	3.42E-11
peak_8520	chr22	20198706	20199270	130945	intron (NM_001130788, intron 2 of 10)	NM_001130788	celf5a	4.261855416	7.32699036	-3.065134945	2.16E-09
peak_17592	chr4	8229452	8229992	14508	intron (NM_212824, intron 1 of 2)	NM_212824	chst11	3.703609243	6.769506672	-3.065897429	1.05E-05
peak_17146	chr13	49118770	49119140	-210561	Intergenic	NM_001159668	fbxo11a	2.320443851	5.387274851	-3.066831001	7.71E-06
peak_23336	chr19	8019172	8019654	-11398	Intergenic	NM_001002618	apoa1bp	3.008963973	6.076373639	-3.067409666	0.000193
peak_6978	chr3	6617359	6618556	-53963	Intergenic	NM_001089460	pkn1b	5.243947774	8.311450681	-3.067502907	1.64E-10
peak_4830	chr13	12933708	12934488	31103	intron (NM_001045208, intron 3 of 13)	NM_001045208	letm1	6.494979188	9.562701596	-3.067722409	1.39E-12
peak_20348	chr1	29748930	29749288	-3848	Intergenic	NM_001045236	dachc	2.548447992	5.616444224	-3.067996232	4.95E-05
peak_26507	chr11	22363565	22364085	54487	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	3.523698724	6.591703274	-3.068004551	0.000655
peak_8647	chr22	19458990	19460015	122427	intron (NM_001040095, intron 1 of 2)	NM_001040095	fgf22	4.062656257	7.130930507	-3.06827425	2.50E-09
peak_14748	chr19	26248471	26248987	9779	intron (NM_212563, intron 1 of 2)	NM_212563	pard6gb	3.331406352	6.399838111	-3.068431759	1.51E-06
peak_11278	chr6	31827824	31828773	-42333	Intergenic	NM_131290	foxd3	3.815860363	6.884294829	-3.068434466	6.49E-08
peak_9926	chr25	37508676	37509315	21435	Intergenic	NM_213100_1	irx3b	3.693448485	6.762299435	-3.06885095	1.45E-08
peak_12786	chr22	32898401	32898784	-121657	intron (NM_199663, intron 5 of 17)	NM_131237	mxi1	3.453067239	6.522075363	-3.069008124	2.86E-07
peak_32704	chr20	21704437	21704659	37144	intron (NM_180966, intron 9 of 9)	NM_180966	esr2a	0.967238845	4.036254025	-3.06901518	0.00409
peak_10702	chr9	47645052	47645537	-28763	Intergenic	NM_131069	cx43.4	3.820536344	6.889723956	-3.069187613	3.47E-08
peak_21427	chr3	29996849	29997294	25396	TTS (NM_200641)	NM_001001590	rpl3	3.006230172	6.075524204	-3.069294032	8.25E-05
peak_9513	chr1	45299043	45299509	5092	intron (NM_001081692, intron 1 of 21)	NM_001081692	kdm2aa	4.36386504	7.433170689	-3.069305648	8.50E-09
peak_13701	chr19	41239999	41240262	29106	intron (NM_001144053, intron 3 of 6)	NM_001144053	cdk6	2.44299439	5.512353669	-3.069359279	6.57E-07
peak_18978	chr18	37889985	37890209	20247	intron (NM_200757, intron 8 of 11)	NM_200757	scg3	1.787481669	4.857087656	-3.069605987	2.35E-05
peak_5271	chr7	22218711	22219602	84255	intron (NM_131806, intron 2 of 4)	NM_131806	efnb3b	6.481466708	9.551093899	-3.069627191	4.55E-12
peak_7169	chr13	28758642	28759211	22447	intron (NM_131521, intron 5 of 8)	NM_131521	fbxw4	5.540911861	8.610592742	-3.069680881	2.36E-10
peak_4859	chr3	48567152	48568389	57056	intron (NM_001079978, intron 4 of 5)	NM_001079978	zgc:158309	6.717955351	9.787821347	-3.069865997	1.56E-12
peak_7801	chr3	36201246	36201867	7875	intron (NM_199583, intron 1 of 8)	NM_199583	csnk1da	3.76976623	6.83964872	-3.069882489	6.93E-10
peak_18091	chr23	23658230	23658508	37036	Intergenic	NM_131873	her9	2.075829856	5.145868343	-3.070038488	1.44E-05
peak_5260	chr10	24310350	24311189	29539	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	5.340116769	8.410169609	-3.07005284	4.41E-12
peak_6151	chr7	75339409	75340206	104177	Intergenic	NM_152885	adcyap1a	6.465852491	9.536350024	-3.070497533	3.39E-11

peak_5772	chr7	29212686	29213360	253025	Intergenic	NM_001017815	rras2	5.683643477	8.75431185	-3.070668373	1.42E-11
peak_5553	chr10	27928194	27929414	197191	Intergenic	NM_152948	cxadr	7.224777967	10.29576423	-3.07098626	8.80E-12
peak_6085	chr10	12809508	12810150	270298	Intergenic	NM_001114892	musk	6.105527527	9.176573483	-3.071045956	2.94E-11
peak_5352	chr10	10809637	10810589	19719	Intergenic	NM_181495	nrarpa	7.735956973	10.80703592	-3.071078944	5.29E-12
peak_15351	chr6	26467485	26467971	136250	Intergenic	NM_201474	hdlbpa	3.825197218	6.896432369	-3.07123515	2.34E-06
peak_10076	chr7	27330241	27330985	32064	Intergenic	NM_001123054	si:ch211-138a11.	4.333588892	7.405185394	-3.071596502	1.69E-08
peak_32580	chr20	5983503	5983903	104026	intron (NM_001080047, intron 18 of 19)	NM_001089536	cep128	0.944570835	4.0162831	-3.071712265	0.003956
peak_16103	chr3	22341066	22341594	92156	Intergenic	NM_201449	cdc27	3.027956891	6.100083627	-3.072126736	4.01E-06
peak_9603	chr1	51401489	51402035	-28826	Intergenic	NM_131215	otx1a	5.608844195	8.680977253	-3.072133058	9.62E-09
peak_15594	chr11	20823944	20824379	77493	intron (NM_131086, intron 2 of 16)	NM_131086	cdh4	3.17667448	6.249227077	-3.072552597	2.78E-06
peak_32483	chr3	28296791	28297481	-70322	Intergenic	NM_001005596	rbfox1	0.215200887	3.288705007	-3.07350412	0.003874
peak_17659	chr13	10983704	10984043	109925	intron (NM_001197201, intron 3 of 14)	NM_001197201	akt3a	1.451058288	4.524600104	-3.073541816	1.10E-05
peak_28741	chr4	8870555	8870858	14049	Intergenic	NM_001115086	parp12b	-0.360322949	2.713281169	-3.073604118	0.00139
peak_8388	chr14	38519101	38519593	312448	Intergenic	NM_001048055	lect2l	3.964424746	7.038384445	-3.073959699	1.81E-09
peak_22911	chr14	8446717	8447219	1266	intron (NM_212677, intron 2 of 8)	NM_212677	dnajc4	2.618352549	5.692430125	-3.074077575	0.000162
peak_18962	chr5	21419879	21420252	-75274	Intergenic	NM_001126454	fam222a	1.972850631	5.046994903	-3.074144272	2.32E-05
peak_36418	chr8	28618811	28619076	22450	intron (NM_001044344, intron 4 of 4)	NM_001044344	wnt2bb	1.984009138	5.058392793	-3.074383655	0.009375
peak_24842	chr7	2866803	2867109	5257	Intergenic	NM_001114408	zgc:172075	1.66069094	4.735243025	-3.074552085	0.000365
peak_11618	chr16	21419700	21420133	-74004	Intergenic	NM_205550	sp8b	3.353084575	6.427841248	-3.074756673	9.21E-08
peak_39877	chr5	2075889	2077605	2099	intron (NM_001100057, intron 1 of 11)	NM_001100057	LOC796505	-0.360322949	2.71455193	-3.074874879	0.017631
peak_39876	chr13	52006997	52007251	7912	intron (NM_144764, intron 9 of 17)	NM_144764	gpib	-0.360322949	2.71455193	-3.074874879	0.017631
peak_25234	chr5	19892590	19893066	191644	Intergenic	NM_178304	zdhhc8b	2.200926086	5.275916681	-3.074990595	0.000421
peak_18200	chr9	27510492	27510829	373501	Intergenic	NM_131023	efnb2a	2.664163689	5.739243411	-3.075079722	1.52E-05
peak_27498	chr24	41157429	41158054	25796	Intergenic	NM_001002695	cox6b1	4.419556411	7.494663657	-3.075107246	0.000926
peak_23805	chr13	38643941	38644202	20612	intron (NR_120381, intron 1 of 2)	NR_120381		1.938847741	5.014188887	-3.075341146	0.000237
peak_4442	chr13	46541835	46542923	-5336	Intergenic	NM_001004108	bsdc1	7.964875078	11.04035385	-3.075478768	4.48E-13
peak_12188	chr24	17046561	17047035	-49313	Intergenic	NM_001271670	sema5a	3.679788522	6.755482415	-3.075693893	1.61E-07
peak_10731	chr6	43978499	43978961	-3119	Intergenic	NM_001012373	rybpb	3.964424746	7.04025937	-3.075834624	3.57E-08
peak_11263	chr19	8274709	8275128	15440	intron (NM_001044762, intron 4 of 19)	NM_001044762	cgnb	3.730456497	6.80666266	-3.076206163	6.40E-08
peak_10181	chr6	4652583	4653224	220703	Intergenic	NM_201285	pou4f1	3.391425188	6.468415984	-3.076990796	1.91E-08
peak_23017	chr21	11920804	11921230	-28226	intron (NM_001128783, intron 2 of 8)	NM_131112	pou5f3	3.708662913	6.786010618	-3.077347705	0.00017
peak_5298	chr24	33310118	33311339	68466	Intergenic	NM_001018143	trdmt1	5.267607534	8.345911419	-3.078303886	4.84E-12
peak_33793	chr12	28452393	28452798	4183	intron (NM_001077161, intron 1 of 4)	NM_001077161	znf438	2.247969535	5.326663354	-3.078693818	0.005249
peak_6904	chr22	40314988	40315966	20207	Intergenic	NM_213118	sox2	5.917460535	8.996164413	-3.078703878	1.41E-10
peak_12695	chr9	55271592	55272214	-39401	Intergenic	NM_131555	dct	5.178532351	8.257269771	-3.07873742	2.62E-07
peak_4783	chr9	18056792	18057671	102225	intron (NM_001128338, intron 44 of 44)	NM_001002190	rgcc	6.734615648	9.813380441	-3.078764793	1.21E-12
peak_22335	chr20	4312580	4313052	55822	Intergenic	NM_001076758	zgc:154018	3.19853316	6.277300614	-3.078767453	0.000127
peak_5962	chr25	2325957	2326960	-41589	Intergenic	NM_001143920_1	yars2	5.190658387	8.269429069	-3.078770681	2.14E-11
peak_16227	chr13	14135510	14135996	212784	intron (NM_001123058, intron 1 of 9)	NM_001123058	gfra4a	3.093967964	6.172791293	-3.078823329	4.36E-06
peak_26350	chr6	20034284	20034690	-44010	Intergenic	NM_001002216	gadd45ab	2.702019304	5.781238031	-3.079218727	0.00062
peak_11294	chr17	44406039	44407297	80628	Intergenic	NM_001113796	exoc5	5.596628599	8.67601369	-3.079385091	6.60E-08
peak_7078	chr17	17806337	17807086	21495	intron (NM_001045384, intron 1 of 6)	NM_001045384	ccdc85ca	4.725478726	7.804997553	-3.079518826	2.02E-10
peak_7379	chr16	39628747	39629514	-69727	Intergenic	NM_001089484	scmh1	4.8718786	7.951592328	-3.079713727	3.50E-10
peak_6581	chr9	29227086	29227699	-38686	Intergenic	NM_131134	fzd5	4.680646069	7.760700106	-3.080054036	7.86E-11
peak_8938	chr17	27238394	27238794	-22588	Intergenic	NR_030062		4.040035898	7.120308144	-3.080272246	3.85E-09
peak_16816	chr4	16198580	16198922	-74671	Intergenic	NM_001033585	sox5	2.224639552	5.30493466	-3.080295108	6.35E-06
peak_22284	chr5	2686153	2686405	-112183	Intergenic	NM_201167	hpda	3.309268024	6.389571946	-3.080303922	0.000124
peak_5527	chr18	42677006	42677593	40795	Intergenic	NM_001045140	si:ch211-151h10.	5.704080267	8.784520694	-3.080440427	8.07E-12
peak_5874	chr6	6431530	6432246	24060	intron (NM_001100951, intron 2 of 2)	NM_001100951	bcl11ab	6.528777516	9.609444641	-3.080667125	1.78E-11
peak_7892	chr12	13772972	13773565	-451397	Intergenic	NM_131014	cmn	3.846840202	6.927556835	-3.080716633	8.02E-10
peak_28520	chr20	7222645	7223061	21181	Intergenic	NM_001002605	sirt5	1.66069094	4.741566088	-3.080875148	0.001298
peak_30167	chr9	11389432	11390041	129639	intron (NM_214787, intron 1 of 9)	NM_214787	asic4a	2.639677051	5.72064919	-3.080972139	0.00212
peak_24845	chr5	66830401	66830810	-44967	Intergenic	NM_201495	rab14	1.66069094	4.741729765	-3.081038825	0.000366
peak_5706	chr9	42934551	42935658	-52398	Intergenic	NM_001039630	col18a1	6.641452794	9.723105975	-3.081653181	1.22E-11
peak_11751	chr17	28880723	28882196	-10749	Intergenic	NM_001003822	g2e3	5.208011743	8.28982679	-3.081815047	1.03E-07
peak_16283	chr13	49950592	49950912	172413	Intergenic	NM_001142263	disc1	2.238682765	5.320529211	-3.081846445	4.51E-06
peak_7839	chr23	15680195	15680989	-239380	Intergenic	NM_001003833	sulf2b	4.400822864	7.483056858	-3.082233995	7.39E-10
peak_10752	chr4	14604937	14605845	63512	intron (NM_214804, intron 5 of 9)	NM_214804	chchd3	4.327031342	7.409343363	-3.082312021	3.67E-08
peak_7554	chr7	52589999	52590415	31611	intron (NM_001123230, intron 1 of 48)	NM_001123230	col4a5	4.0373604	7.119672725	-3.082312325	4.84E-10
peak_5324	chr18	19922122	19924141	-84387	Intergenic	NM_131012	gro2	6.370007366	9.452543551	-3.082536185	4.99E-12
peak_9962	chr1	12254561	12255340	-99078	Intergenic	NM_001115058	pcdh18a	4.595693089	7.678265332	-3.082572244	1.49E-08
peak_20965	chr13	6616901	6617143	-42711	Intergenic	NM_205675	pitx3	1.243333623	4.325954242	-3.082620619	6.58E-05
peak_4619	chr9	7537295	7538451	42940	Intergenic	NM_130963	desma	6.163239007	9.245902295	-3.082663288	7.51E-13
peak_10694	chr24	34102536	34102901	-232646	Intergenic	NM_199215	ca2	2.639677051	5.722435173	-3.082758122	3.45E-08
peak_12255	chr25	20788473	20789051	-29178	Intergenic	NM_001025184	dnajb9a	4.295898468	7.379095224	-3.083196756	1.72E-07
peak_34108	chr19	34683702	34683972	-44185	Intergenic	NM_001003604	fam92a1	-0.360322949	2.722881369	-3.083204318	0.005656
peak_5991	chr22	18530344	18530965	-13108	Intergenic	NM_212916	gatad2ab	4.958780025	8.042391052	-3.083611028	2.28E-11
peak_8297	chr16	21687463	21687826	29986	Intergenic	NM_001199766	macc1	3.683215657	6.766899221	-3.083683563	1.58E-09
peak_7837	chr1	690370	690980	38374	Intergenic	NM_001288775	wu:fa56d06	5.008924139	8.092750927	-3.083826788	7.38E-10
peak_16883	chr6	49550022	49550419	15331	intron (NM_212647, intron 1 of 5)	NM_212647	vapb	3.291414275	6.375752859	-3.084338584	6.61E-06
peak_23093	chr2	29104728	29105262	94942	Intergenic	NM_131110	cahz	3.567226082	6.651945964	-3.084719882	0.000176
peak_6089	chr14	37575748	37576333	-10515	intron (NM_213200, intron 6 of 6)	NM_001128694	lrit3a	4.846840202	7.931570474	-3.084730271	2.95E-11
peak_22635	chr8	5147402	5147789	40851	Intergenic	NM_001102640	tmem230b	3.250281917	6.335242143	-3.084960226	0.000144
peak_23792	chr6	33108823	33109267	-125879	Intergenic	NM_201143	pik3r3b	3.568971639	6.65396955	-3.084997912	0.000236
peak_22127	chr4	4824536	4824838	-18860	Intergenic	NM_001013456	ndufa5	0.653720264	3.738897077	-3.085176813	0.000115
peak_8594	chr4	15737048	15737398	-24331	intron (NM_212644, intron 7 of 21)	NM_001025531	fam60a	3.451058288	6.536526124	-3.085467836	2.35E-09
peak_13349	chr7	49547082	49547529	160899	Intergenic	NM_131427	cpeb1b	3.979916095	7.065575643	-3.085659547	4.89E-07
peak_24250	chr8	31459074	31459517	-8666	Intergenic	NM_001039816	specc1la	3.572672044	6.658532523	-3.085860479	0.000287
peak_25954	chr12	24254809	24255074	-15826	Intergenic	NM_206830	rab18a	0.625495796	3.711645046	-3.08614925	0.000541
peak_10273	chr13	30667611	30668144	-62506	Intergenic	NM_001113339	zmiz1a	5.11124493	8.197539665	-3.086294735	2.14E-08
peak_16404	chr18	8160113	8160538	-115815	Intergenic	NM_001128535	si:ch211-220f12.	2.234016866	5.320378787	-3.086361921	4.93E-06
peak_21535	chr10	33050617	33051092	-8280	Intergenic	NM_131076	wnt11r	3.19853316	6.284900299	-3.086367139	8.69E-05
peak_14931	chr10	17364857	17365185	-37389	Intergenic	NM_001015068	sppl3	2.451058288	5.537528688	-3.0864704	1.71E-06
peak_11702	chr5	5510030	5510827	-298789	Intergenic	NM_001076606	mvb12ba	4.66594746	7.752546971	-3.086599511	9.80E-08
peak_21979	chr23	38674920	38675378	-370919	Intergenic	NM_001080609	sall4	3.785888587	6.873044235	-3.087155648	0.000108
peak_5341	chr19	47937699	47939057	25466	Intergenic	NM_001017816	utp23	6.735635511	9.822821984	-3.087186473	5.21E-12
peak_19115	chr18	12011429	12011801	49670	intron (NM_001099985, intron 1 of 13)	NM_001099985	hipk2	2.521897487	5.609231286	-3.087333799	2.53E-05
peak_9828	chr23	4151466	4152080	78797	intron (NM_181498_1, intron 2 of 5)	NM_001045332	b4galt5	3.728799148	6.816367279	-3.087568131	1.29E-08
peak_10626	chr7	30803455	30804203	6209	Intergenic	NM_131283	foxb1b	5.459635372	8.547250535	-3.087615163	3.22E-08
peak_6742	chr14	27644351	27645006	69239	Intergenic	NM_131041	neurog1	5.02728286	8.1152243	-3.08794144	1.07E-10
peak_9719	chr1	39898938	39899770	-7382	Intergenic	NM_130968	tenm3	5.286948953	8.37494709	-3.087998137	1.11E-08
peak_5345	chr20	40332699	40333474	18535	intron (NM_001025545, intron 2 of 4)	NM_001025545	clvs2	7.042892642	10.13093543	-3.088042787	5.24E-12
peak_15946	chr13	49432019	49432466	-29645	Intergenic	NM_182860	msh6	2.790662565	5.878845728	-3.088183163	3.62E-06
peak_21321	chr21	1865036	1865433	-43917	Intergenic	NM_205605	wdr91	2.42263522	5.511134864	-3.088499645	7.81E-05
peak_19826	chr4	7936855	7937245	142408	Intergenic	NM_001260500	scube1	2.31603542	5.40465454	-3.08861912	3.72E-05
peak_37998	chr3	33608561	33609136	19416	intron (NM_213330, intron 9 of 20)	NM_213330	sgsm3	0.95594936	4.044597474	-3.088648114	0.012753
peak_20387	chr23	30410100	30410489	122866	Intergenic	NM_212848	uts2a	2.521897487	5.61070376	-3.088806273	5.06E-05
peak_6502	chr25	2562176	2562926	-45557	Intergenic	NM_001077466	bbs4	6.45609004	9.545496144	-3.089406104	6.76E-11
peak_23489	chr22	18448724	18449223	16489	Intergenic	NM_001044317	tmem161a	4.022476886	7.111988607	-3.08951172	0.000206
peak_24860	chr5	18199929	18200305	50271	Intergenic	NM_001080199	piwil2	1.831388386	4.921227556	-3.08983917	0.000369
peak_11366	chr20	49047706	49048071	33363	exon (NM_001001944, exon 28 of 31)	NM_131589	nkx2.1a	2.629054199	5.719022848	-3.089968648	7.14E-08
peak_19730	chr24	23906563	23907379	372361	Intergenic	NM_001075111	hnf4g	3.703707687	6.793825773	-3.090118086	3.52E-05
peak_26059	chr14	25594514	25595208	-32314	intron (NM_131736, intron 6 of 35)	NR_030121		3.420583411	6.510790769	-3.090207358	0.000561
peak_18243	chr18	41660365	41660741	52268	Intergenic	NM_001167569_1	pvrl1b	2.42263522	5.512865483	-3.090230264	1.56E-05
peak_12766	chr5	8153510	8155274	22320	intron (NM_212640, intron 3 of 9)	NM_212640	slc1a3a	6.407632637	9.498063183	-3.090430546	2.81E-07

peak_21010	chr13	31658517	31659185	5631	intron (NM_001029967, intron 3 of 8)	NM_199652	rtn1a	4.018412541	7.108904285	-3.090491743	6.74E-05
peak_31716	chr7	33629254	33629568	-274111	Intergenic	NM_200239	kif18a	1.66069094	4.751298296	-3.090607356	0.003187
peak_10320	chr23	29904886	29905653	5345	intron (NM_001077784, intron 1 of 16)	NM_001077784	clstn1	3.774593768	6.86537413	-3.090780363	2.23E-08
peak_36567	chr13	44634860	44635128	366053	Intergenic	NM_001160346	zfyve21	-0.360322949	2.731359304	-3.091682253	0.00968
peak_12769	chr10	9760406	9760763	119680	Intergenic	NM_001044910	si:ch211-243g18.	2.625495796	5.717883986	-3.09238819	2.81E-07
peak_21203	chr3	60126959	60127432	-62507	Intergenic	NM_001113799	zmp:000000068(	3.19853316	6.290963508	-3.092430348	7.42E-05
peak_9624	chr19	29596315	29596695	180707	Intergenic	NM_001080628	zgc:158604	3.10167217	6.194212364	-3.092540194	9.87E-09
peak_22381	chr14	28775617	28775912	276057	Intergenic	NM_200569	tsc22d3	2.862128275	5.954838224	-3.092709948	0.000129
peak_39293	chr4	2134942	2135295	-8867	Intergenic	NM_001045325	krr1	2.862128275	5.955036785	-3.092908509	0.016048
peak_39538	chr3	21008382	21008960	38884	Intergenic	NM_213417	ndufa4l	-0.360322949	2.73261417	-3.092937119	0.016726
peak_15386	chr21	22472203	22472521	113127	intron (NM_199635, intron 4 of 4)	NM_199635	zbtb16a	2.33794409	5.43093504	-3.09299095	2.39E-06
peak_5185	chr1	47281809	47282812	47566	Intergenic	NM_001278811	si:ch73-160h15.3	6.76734639	9.860394737	-3.093048347	3.68E-12
peak_9245	chr8	10736296	10736719	178153	Intergenic	NM_001077391	zgc:153997	3.693448485	6.787224068	-3.093775583	5.87E-09
peak_18101	chr17	42129049	42129474	21365	intron (NM_001098390, intron 6 of 14)	NM_001098390	zgc:162576	3.602044119	6.695893296	-3.093849177	1.45E-05
peak_7026	chr18	5162296	5162918	74997	Intergenic	NM_001013457	gcsha	5.168750469	8.262719755	-3.093969287	1.77E-10
peak_5662	chr5	2684468	2685319	-113569	Intergenic	NM_201167	hpda	5.518967649	8.613035441	-3.094067791	1.12E-11
peak_15985	chr24	20054537	20054933	-13268	Intergenic	NM_001003846	sulf1	2.459077363	5.553759982	-3.094682619	3.73E-06
peak_10035	chr24	41334948	41336215	-61555	Intergenic	NM_001045408_1	zgc:153659	6.265575227	9.360343349	-3.094768121	1.62E-08
peak_19613	chr6	51934667	51935057	159436	Intergenic	NM_001287552	LOC570865	2.31603542	5.410832593	-3.094797174	3.31E-05
peak_8090	chr15	7114324	7115049	-179	promoter-TSS (NM_001017901)	NM_001017901	her13	5.046741819	8.141549133	-3.094807314	1.12E-09
peak_6705	chr13	5072088	5072645	173580	Intergenic	NM_131893	meis1	5.302631231	8.397545367	-3.094914136	1.00E-10
peak_18557	chr3	34905111	34905689	-1223	Intergenic	NM_001128742	cdk5r1a	3.763304282	6.858347175	-3.095042893	1.83E-05
peak_13377	chr11	2336343	2336824	-33374	Intergenic	NM_001161401	igfbp6a	3.494735408	6.58984136	-3.095105951	5.02E-07
peak_13537	chr8	1406504	1406891	-20185	Intergenic	NM_001024651_1	fabp1b.1	3.559678887	6.655481562	-3.095802675	5.70E-07
peak_27470	chr2	29727905	29728280	-17215	Intergenic	NM_001039497	cnpy1	2.614767619	5.711037544	-3.096269925	0.000915
peak_6360	chr11	956386	957394	54742	intron (NM_212882_3, intron 6 of 8)	NM_001007362	slc6a1b	6.387228713	9.483586865	-3.096358152	5.10E-11
peak_16170	chr14	1074267	1074625	11143	intron (NM_212882, intron 3 of 12)	NM_001258230	slc16a2	2.434885166	5.531371152	-3.096485986	4.19E-06
peak_6834	chr17	38548811	38549557	85784	Intergenic	NM_001256179	mbip	5.146540944	8.243455484	-3.09691454	1.26E-10
peak_9059	chr23	29423634	29424086	-176984	Intergenic	NM_198364	tardbpl	3.036020788	6.133092509	-3.097071721	4.60E-09
peak_17245	chr13	2536827	2537245	307439	Intergenic	NM_001161598	si:ch211-239i4.3	3.104231123	6.201325106	-3.097093983	8.25E-06
peak_8226	chr25	7536302	7536769	-90789	Intergenic	NM_001089334	hmg20a	3.684926177	6.782091476	-3.0971653	1.40E-09
peak_5016	chr18	8533856	8534754	-53541	Intergenic	NM_001128343	grm3	6.04574374	9.142916504	-3.097172763	2.33E-12
peak_28963	chr23	15403842	15404233	37175	intron (NM_001003833, intron 1 of 20)	NM_001003833	sulf2b	0.625495796	3.723406062	-3.097910266	0.001494
peak_31245	chr13	19459424	19459704	91972	Intergenic	NM_131280	emx2	1.426730103	4.524674346	-3.097944243	0.002805
peak_12649	chr7	37188959	37189275	-24174	Intergenic	NM_001045227	irx5a	2.975648359	6.073668201	-3.098019842	2.50E-07
peak_19511	chr2	36821670	36822081	-2260	Intergenic	NM_001013536	zgc:101744	2.570823028	5.669698552	-3.098875524	3.11E-05
peak_14828	chr2	32762548	32762999	-144730	Intergenic	NM_001076570	rnf220a	2.544684847	5.643867403	-3.099182556	1.60E-06
peak_14139	chr18	46925865	46926353	-38808	Intergenic	NM_001017558_1	ets1	3.401863281	6.501057731	-3.09919445	9.40E-07
peak_8758	chr5	68996677	68997374	17813	Intergenic	NM_001045415	lcn15	6.046428609	9.145718797	-3.099290187	2.95E-09
peak_21936	chr23	43065242	43065629	15326	Intergenic	NM_001020501	gpx7	0.944570835	4.043949431	-3.099378596	0.000106
peak_8806	chr13	26189489	26190064	112679	Intergenic	NM_001040391	bcl11aa	3.995162437	7.094709725	-3.099547288	3.19E-09
peak_15338	chr16	21441546	21442182	-52056	Intergenic	NM_205550	sp8b	2.632603848	5.732189626	-3.099585778	2.33E-06
peak_5175	chr13	5700057	5700707	44507	Intergenic	NM_200655	phf10	5.659002196	8.758690175	-3.099687979	3.55E-12
peak_8628	chr23	29897153	29897759	13158	intron (NM_001077784, intron 1 of 16)	NM_001077784	clstn1	4.166915653	7.266704494	-3.099788841	2.45E-09
peak_18142	chr6	45832279	45832631	10429	intron (NM_131415, intron 3 of 16)	NM_131415	epha2a	2.363802745	5.463800596	-3.099997851	1.48E-05
peak_15776	chr11	42368042	42368423	3483	Intergenic	NM_131325	pax7a	3.479047217	6.579254712	-3.100207495	3.23E-06
peak_11133	chr24	35588691	35589198	-106775	Intergenic	NM_001002724	zgc:92591	4.36599906	7.466504976	-3.100505916	5.67E-08
peak_27617	chr6	56281389	56281627	162131	Intergenic	NM_001008576_1	tfap2c	0.625495796	3.726357464	-3.100861668	0.000964
peak_5461	chr18	1983111	1983781	191266	Intergenic	NM_207073	relt	5.991345769	9.093434096	-3.102088327	7.02E-12
peak_9870	chr4	27036098	27036626	157449	intron (NM_214799, intron 10 of 13)	NM_214799	tbc1d22a	3.68663467	6.788933324	-3.102298653	1.35E-08
peak_10925	chr5	38589669	38590081	14781	intron (NM_001128766, intron 1 of 1)	NM_001128766	zgc:194261	3.964424746	7.066736375	-3.10231163	4.51E-08
peak_13798	chr7	22470634	22471666	29531	intron (NM_001017564, intron 4 of 4)	NM_001017564	zgc:113025	4.029304008	7.131893204	-3.102589196	7.07E-07
peak_5406	chr1	54558361	54559232	-21432	Intergenic	NM_130954	dla	7.047563328	10.15051508	-3.102951756	6.05E-12
peak_12365	chr4	2711468	2711892	104657	Intergenic	NM_213494	aebp2	3.027956891	6.13099463	-3.103037739	1.93E-07
peak_10680	chr9	47033526	47034238	107164	intron (NM_001039358, intron 13 of 24)	NM_001039358	hdac4	3.991020297	7.094324728	-3.103304431	3.41E-08
peak_13016	chr21	15875248	15876054	62276	Intergenic	NM_001282392	tsc1b	5.1163985	8.219827727	-3.103429227	3.59E-07
peak_22072	chr16	16001741	16002129	11886	intron (NM_001080073, intron 7 of 8)	NM_001080073	rnf115	2.075829856	5.179421659	-3.103591803	0.000112
peak_14952	chr3	55301722	55302281	49821	intron (NM_001007403, intron 9 of 13)	NM_001007403	trip10a	2.825197218	5.92901624	-3.103819022	1.74E-06
peak_12042	chr19	44590946	44591504	4710	intron (NM_152961, intron 2 of 3)	NM_152961	fabp3	4.27219941	7.376163495	-3.103964085	1.39E-07
peak_10173	chr9	36435481	36435912	174538	intron (NM_131830, intron 1 of 16)	NM_131830	ncam2	3.587486179	6.691611126	-3.104124947	1.89E-08
peak_9219	chr5	30228017	30228952	-36672	intron (NM_130907, intron 9 of 22)	NM_001089574	zgc:162952	5.139036869	8.243209243	-3.104172375	5.68E-09
peak_7159	chr23	17982554	17983268	11356	exon (NM_212854, exon 5 of 5)	NM_212854	rnd1	4.036020788	7.140344074	-3.104323286	2.32E-10
peak_5228	chr22	16357207	16357774	12389	intron (NM_001100086, intron 7 of 10)	NM_001100086	slc30a7	5.253810789	8.358182376	-3.104371587	3.99E-12
peak_5748	chr7	17637351	17638048	165547	Intergenic	NM_131158	dbx1a	6.202068798	9.306817051	-3.104748253	1.33E-11
peak_5051	chr9	26817433	26820562	8382	intron (NM_001114551, intron 1 of 8)	NM_001114551	zeb2a	8.217848835	11.32268307	-3.104834239	2.52E-12
peak_27840	chr9	32439264	32439659	118922	Intergenic	NM_001173502	tmtc4	2.247969535	5.353408164	-3.105438629	0.001046
peak_22069	chr2	29346670	29347127	21946	intron (NM_001202455, intron 2 of 9)	NM_001202455	dlgap1a	2.702019304	5.80780241	-3.105783106	0.000112
peak_20841	chr17	29832965	29833307	103310	Intergenic	NM_212954	esrrga	2.912638768	6.018452994	-3.105814227	6.23E-05
peak_31177	chr15	27338170	27338605	95977	Intergenic	NM_001007424	dhrs13a.3	2.075829856	5.182259485	-3.106429629	0.002738
peak_32212	chr8	50174387	50174763	117810	Intergenic	NM_001128254	mfn2	2.426730103	5.53317828	-3.106448177	0.003602
peak_7558	chr1	12241670	12242893	-86409	Intergenic	NM_001115058	pcdh18a	6.255842939	9.362654317	-3.106811378	4.85E-10
peak_4731	chr3	41858812	41859542	-53104	Intergenic	NM_130971	lfng	6.784833857	9.89310887	-3.108275012	1.02E-12
peak_21931	chr24	26711453	26711863	-91862	Intergenic	NM_001113595_1	ccl20	2.865148941	5.973425141	-3.1082762	0.000106
peak_16641	chr24	5008029	5008472	45202	Intergenic	NM_130933	zic1	2.324838852	5.433452966	-3.108614113	5.72E-06
peak_6054	chr12	2256469	2257204	-99473	Intergenic	NM_131643	sox9a	5.710812374	8.819436938	-3.108624565	2.71E-11
peak_12742	chr8	19840270	19840789	26527	intron (NM_205637, intron 1 of 19)	NM_205637	rgl1	3.825197218	6.933835927	-3.108638708	2.76E-07
peak_16150	chr25	35525295	35525754	133344	intron (NM_200662, intron 28 of 28)	NM_001110479	trpm1b	3.57277984	6.681485909	-3.108706069	4.15E-06
peak_11461	chr11	34135669	34135986	319004	Intergenic	NM_001024389	lims1	2.880158125	5.988875606	-3.108717481	7.92E-08
peak_25101	chr11	24494407	24494835	-238048	Intergenic	NM_001113489	kiss1	3.006230172	6.115322836	-3.109092664	0.000402
peak_11647	chr17	38062302	38062687	-37762	Intergenic	NM_001077519	plekhh1	3.234016866	6.343250468	-3.109233602	9.43E-08
peak_18920	chr18	40088015	40088443	-38552	Intergenic	NM_131511	fzd9b	2.935977657	6.045211971	-3.109234314	2.26E-05
peak_17309	chr15	31346119	31346403	-149195	Intergenic	NM_001005935	arfip2a	2.625495796	5.734888137	-3.109392342	8.58E-06
peak_21179	chr17	23391427	23392009	5127	intron (NM_213480, intron 1 of 7)	NM_213480	pank1a	3.057306726	6.166782304	-3.109475578	7.36E-05
peak_6408	chr12	32691592	32694066	97459	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	7.045587036	10.15506372	-3.109476688	5.65E-11
peak_5873	chr9	38637522	38638037	-169375	Intergenic	NM_001113576	pdia5	5.499117148	8.608614895	-3.109497747	1.78E-11
peak_4781	chr11	24132949	24134275	20094	Intergenic	NM_001003583	optc	6.526394403	9.636627943	-3.11023354	1.20E-12
peak_18394	chr1	39962706	39963075	56154	intron (NM_130968, intron 2 of 28)	NM_130968	tenm3	2.793836463	5.904424264	-3.110587801	1.69E-05
peak_15700	chr1	36202107	36202572	57288	Intergenic	NM_212807	pou4f2	3.264212416	6.375194541	-3.110982125	3.05E-06
peak_20071	chr20	9692415	9693259	39734	intron (NM_213412, intron 7 of 10)	NM_213412	rad51b	4.248037038	7.359487879	-3.111450841	4.30E-05
peak_24763	chr16	21457295	21457912	-36317	Intergenic	NM_205550	sp8b	3.860615567	6.972491229	-3.111875661	0.000354
peak_22664	chr7	57388511	57388960	26882	intron (NM_212606, intron 1 of 15)	NM_212606	cdh15	2.430813397	5.543058202	-3.112244805	0.000146
peak_6160	chr24	40481852	40482629	-51763	Intergenic	NM_212748	rpn2	5.521841655	8.634137476	-3.11229582	3.46E-11
peak_6706	chr4	19577558	19578339	-120817	Intergenic	NM_200363	rassf8b	4.960193277	8.073128093	-3.112934816	1.00E-10
peak_10648	chr16	49438808	49439543	-26838	Intergenic	NM_001145238	rpz	4.124614504	7.237653027	-3.113038523	3.31E-08
peak_6946	chr10	34647015	34648287	45531	Intergenic	NM_200088	c21orf59	5.794209596	8.907488512	-3.113278916	1.55E-10
peak_10209	chr14	4531362	4532062	110786	Intergenic	NM_205648	dhrs13l1	3.720483721	6.833867639	-3.113383918	1.96E-08
peak_35843	chr24	13550970	13551274	11599	intron (NM_001007066, intron 3 of 27)	NM_001007066	trpa1b	0.234016866	3.347484265	-3.113467398	0.008282
peak_11203	chr13	12152950	12153444	105532	Intergenic	NM_001077718	commd8	3.210458296	6.324016771	-3.113558475	6.01E-08
peak_24914	chr10	10981532	10982072	-3922	Intergenic	NM_213130	ak3	3.484950298	6.598569796	-3.113619497	0.000375
peak_12336	chr14	46373784	46374653	-514358	Intergenic	NM_200975	gar1	5.153388562	8.267389782	-3.114001221	1.87E-07
peak_12825	chr13	5745641	5746259	13368	Intergenic	NM_130955	dld	4.237585698	7.351721288	-3.11413559	2.97E-07
peak_19192	chr19	37579383	37579816	231546	Intergenic	NM_131814	angpt2b	1.639677051	4.754341859	-3.114664808	2.62E-05
peak_18009	chr5	60024351	60024613	5518	intron (NM_001199683, intron 2 of 12)	NM_001045255	pou2f3	2.570823028	5.685965902	-3.115142875	1.37E-05
peak_21313	chr5	63250318	63250661	-96	promoter-TSS (NM_001017711)	NM_001017711	grk1b	2.570823028	5.686107154	-3.115284126	7.77E-05
peak_21237	chr4	22848663	22849437	-39436	intron (NM_194401, intron 5 of 11)	NM_001130599	usp6nl	2.935977657	6.051288469	-3.115310812	7.51E-05

peak_5191	chr19	15027880	15028692	24961	intron (NM_001135132, intron 1 of 2)	NM_001135132	si:ch211-206a7.2	5.985458636	9.101051544	-3.115592908	3.74E-12
peak_19431	chr1	22435975	22436312	102565	Intergenic	NM_001256205	ncapg	2.200926086	5.316644911	-3.115718825	2.97E-05
peak_13919	chr14	36312521	36313269	203335	Intergenic	NM_001007108	il12ba	3.903852685	7.019585332	-3.115732648	7.82E-07
peak_30118	chr20	18912285	18912703	-45551	intron (NM_001012257_1, intron 4 of 5)	NM_001002315	ccm2	2.438945476	5.554678239	-3.115732763	0.002092
peak_6147	chr22	21765871	21766389	32480	intron (NM_001045077, intron 3 of 5)	NM_001082925	s1pr3a	4.567171977	7.683009053	-3.115837075	3.35E-11
peak_10841	chr8	48807404	48808047	15434	Intergenic	NM_001083856	tas1r2.2	4.734591559	7.850642183	-3.116050624	4.06E-08
peak_17244	chr7	16807649	16808142	-8719	Intergenic	NM_001017638	elp4	3.514108747	6.630515688	-3.116406941	8.24E-06
peak_10920	chr19	42025952	42026342	3982	intron (NM_001002594, intron 1 of 10)	NM_001002594	sgce	2.895012766	6.011811815	-3.116799049	4.50E-08
peak_32959	chr20	16470497	16470804	23386	Intergenic	NM_212657	gtf2a1	2.31603542	5.432922699	-3.116887279	0.004362
peak_6730	chr3	46881885	46882394	-26527	Intergenic	NM_131449	elavl3	5.076443574	8.193690689	-3.117247114	1.05E-10
peak_23969	chr6	26685661	26686162	79980	Intergenic	NM_001005925	stk25a	3.006230172	6.123895862	-3.11766569	0.000254
peak_17367	chr7	18711729	18712037	-83796	Intergenic	NM_130953	men1	1.950271315	5.068240147	-3.117968831	8.92E-06
peak_20579	chr7	15018718	15019149	-69758	intron (NM_001045106, intron 6 of 15)	NM_001199869	fes	2.862128275	5.980217031	-3.118088755	5.54E-05
peak_22148	chr5	21465292	21465861	-29763	Intergenic	NM_001126454	fam222a	2.935977657	6.054478526	-3.118500868	0.000116
peak_20114	chr13	5154716	5155162	91007	Intergenic	NM_131893	meis1	3.869580369	6.988692514	-3.119112145	4.39E-05
peak_29733	chr5	30282866	30283237	34142	intron (NM_130907, intron 1 of 22)	NM_130907	tnc	1.426730103	4.545955562	-3.119225459	0.001879
peak_8148	chr7	54517923	54518604	-59049	Intergenic	NM_131025	ccnd1	4.449046535	7.568355663	-3.119309128	1.22E-09
peak_6164	chr5	19385864	19386836	-172637	Intergenic	NM_001100015	chfr	5.341201883	8.460985223	-3.119783341	3.50E-11
peak_5548	chr9	26802163	26803095	-6549	Intergenic	NM_001135104	zeb2a	5.365465851	8.48527731	-3.119811459	8.68E-12
peak_18201	chr6	3644924	3645332	2318	intron (NM_194419, intron 2 of 16)	NM_194419	gad1b	2.42263522	5.542447427	-3.119812207	1.53E-05
peak_10259	chr3	35243280	35244143	152685	intron (NM_200978, intron 8 of 16)	NM_200978	prkcbb	4.752693915	7.872777222	-3.120083306	2.09E-08
peak_17928	chr18	19416592	19416993	-12140	Intergenic	NM_001045051	LOC564395	2.938847741	6.059119482	-3.120271742	1.31E-05
peak_16537	chr4	8137433	8137749	-11937	Intergenic	NM_001201412	si:dkey-48p11.3	2.247969535	5.368282141	-3.120312605	5.37E-06
peak_23742	chr23	30307292	30307524	19980	Intergenic	NM_212848	uts2a	1.243333623	4.363783756	-3.120450133	0.000229
peak_26167	chr8	7377490	7377884	17550	intron (NM_001110012, intron 1 of 50)	NM_001110012	dock5	2.751830549	5.872631447	-3.120800898	0.000583
peak_11145	chr7	54595904	54596388	7420	Intergenic	NM_001083552	oraov1	4.109335453	7.230792176	-3.121456724	5.75E-08
peak_12381	chr18	24536523	24536954	-166571	Intergenic	NM_001045011	rgma	4.352008366	7.473544295	-3.121535929	1.96E-07
peak_19572	chr13	17325908	17326326	187218	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	2.834474036	5.956388992	-3.121914956	3.22E-05
peak_24798	chr21	10239736	10240795	18196	Intergenic	NM_001017740	rfesd	4.004861327	7.126887385	-3.122026058	0.000359
peak_17496	chr10	45027670	45028298	28283	Intergenic	NR_045221		2.897965428	6.020045737	-3.122080309	9.74E-06
peak_5827	chr20	48905211	48905941	-15516	Intergenic	NR_030665		6.549621964	9.671753853	-3.122131889	1.60E-11
peak_7009	chr13	5725424	5726382	33415	Intergenic	NM_130955	dld	6.139348803	9.261616677	-3.122267874	1.73E-10
peak_15862	chr19	4070918	4071474	-127265	Intergenic	NM_131519	edn1	3.208081142	6.330813228	-3.122732086	3.42E-06
peak_7203	chr3	10689384	10690145	5897	Intergenic	NM_130983	nog1	5.06133994	8.184078779	-3.12273884	2.57E-10
peak_39620	chr13	15804904	15805367	34300	intron (NM_200953, intron 7 of 14)	NM_200953	klc1a	-0.360322949	2.763170291	-3.12349324	0.016931
peak_16329	chr22	40341857	40342332	-6410	Intergenic	NM_213118	sox2	4.113225998	7.237153252	-3.123927253	4.68E-06
peak_26484	chr8	21242217	21242464	134020	Intergenic	NM_001123271	si:ch211-133l5.7	1.44299439	4.567162093	-3.124167703	0.000649
peak_6150	chr6	772663	773402	-164151	Intergenic	NM_001114903	cyth4b	4.940238868	8.064479291	-3.124240424	3.37E-11
peak_8472	chr20	48869124	48869678	-51691	Intergenic	NR_030665		4.418468701	7.54286229	-3.124393589	2.02E-09
peak_20904	chr24	10399182	10399452	185079	Intergenic	NM_131412	myca	2.200926086	5.325504405	-3.124578319	6.42E-05
peak_14678	chr20	32166508	32166949	9261	intron (NM_001044791, intron 2 of 5)	NM_001044791	cd164	3.481017596	6.6056585	-3.124640904	1.43E-06
peak_5049	chr23	4507211	4508193	-46865	intron (NM_181498_1, intron 3 of 5)	NM_001122628	si:ch73-142c19.1	5.873776418	8.998769043	-3.124992625	2.51E-12
peak_36085	chr20	21331807	21332096	-9239	Intergenic	NM_001044888	nudt14	0.653720264	3.779129358	-3.125409093	0.008698
peak_22170	chr18	14297034	14297483	17465	Intergenic	NM_001030145	uri1	3.309268024	6.43481434	-3.125546315	0.000117
peak_7269	chr9	38273278	38273786	79387	intron (NM_130967, intron 2 of 13)	NM_130967	gli2a	3.957365387	7.083176067	-3.12581068	2.90E-10
peak_18056	chr18	30340593	30341081	-45181	Intergenic	NM_001080807	gse1	4.118224803	7.244037717	-3.125812913	1.41E-05
peak_6430	chr1	13545505	13546264	63715	Intergenic	NR_048926		4.883886149	8.009794073	-3.125907924	5.88E-11
peak_12356	chr10	11566178	11566665	-167266	Intergenic	NM_001098758	ppwd1	2.90091206	6.026948019	-3.126035959	1.91E-07
peak_26224	chr10	37903475	37903949	-3064	Intergenic	NM_131176	ucp2	3.795328417	6.921986757	-3.12665834	0.000595
peak_6825	chr11	37322793	37323475	72888	Intergenic	NM_001004590	cyb561d1	4.027956891	7.154975286	-3.127018396	1.24E-10
peak_12379	chr14	21285714	21286104	128058	Intergenic	NM_152963	fmr1	2.738714804	5.865823888	-3.127109084	1.96E-07
peak_8541	chr9	6728857	6730616	-27051	Intergenic	NM_131150	pou3f3a	6.721537928	9.848660542	-3.127122613	2.21E-09
peak_20698	chr14	24371209	24371688	-197617	Intergenic	NM_001039461	med12	2.986785331	6.11399505	-3.127209719	5.85E-05
peak_39865	chr13	15457690	15461913	-74989	Intergenic	NM_199885	mark3	-0.360322949	2.766967388	-3.127290337	0.017589
peak_30298	chr8	29191304	29191658	4028	intron (NM_001002166, intron 2 of 26)	NM_001002166	kdm5bb	1.806462687	4.934019881	-3.127557194	0.002192
peak_11557	chr14	14915817	14916649	-15434	Intergenic	NM_001014818	phox2bb	3.329220506	6.457017569	-3.127797063	8.73E-08
peak_24413	chr14	14650217	14650694	70779	intron (NM_001114729, intron 1 of 25)	NM_001114729	limch1b	3.898051465	7.026097693	-3.128046228	0.000306
peak_11253	chr8	18840503	18840826	46472	Intergenic	NM_200255	dmap1	2.646715745	5.774827406	-3.128111661	6.36E-08
peak_5583	chr24	28481337	28481919	62887	intron (NM_131095, intron 5 of 16)	NM_131095	ek1	5.654618905	8.783658118	-3.129039213	9.48E-12
peak_14796	chr17	21584415	21584679	29620	Intergenic	NM_001115098	hmx2	2.459077363	5.588526387	-3.129449024	1.57E-06
peak_13456	chr9	44546871	44547405	64233	intron (NM_212793, intron 1 of 8)	NM_212793	znf385b	3.044039864	6.174149841	-3.130109978	5.34E-07
peak_28114	chr9	52167881	52168271	382597	Intergenic	NM_001020575	fign	1.984009138	5.114322547	-3.130313409	0.001146
peak_40242	chr15	38479298	38479671	129376	Intergenic	NM_173232	rps5	-0.360322949	2.770238803	-3.130561752	0.018748
peak_15156	chr10	42261880	42262304	43316	intron (NM_001039812, intron 8 of 19)	NM_001039812	bmp1b	3.022555809	6.153475968	-3.130920159	2.02E-06
peak_19148	chr17	32698806	32699160	-7227	Intergenic	NM_201484	ywhaqb	2.521897487	5.653134107	-3.13123662	2.57E-05
peak_9948	chr7	31765427	31766210	36605	intron (NM_001159314, intron 4 of 15)	NM_201022	lipca	4.406017464	7.537322266	-3.131304803	1.48E-08
peak_6687	chr19	33319385	33320003	-32674	Intergenic	NM_001044918	znf704	5.196066283	8.327485137	-3.131418853	9.61E-11
peak_4682	chr9	32048316	32049347	92762	intron (NM_001080673, intron 4 of 10)	NM_001099241	gpr183	6.459606226	9.591078836	-3.13147261	8.92E-13
peak_14329	chr1	41886903	41887455	40436	Intergenic	NM_200766	paip2b	3.374565546	6.506147725	-3.131582179	1.08E-06
peak_19259	chr18	19928964	19929356	-78358	Intergenic	NM_131012	gro2	2.205700064	5.337579456	-3.131879392	2.72E-05
peak_19509	chr11	29208535	29208940	113756	intron (NM_001033094_1, intron 3 of 4)	NM_001033094_1	ephb2b	2.570823028	5.702734892	-3.131911864	3.11E-05
peak_9777	chr20	43887986	43888537	61191	intron (NM_001076575, intron 4 of 17)	NM_001076575	zgc:153725	4.143397819	7.275960773	-3.132562954	1.20E-08
peak_25276	chr21	15036739	15037087	-454813	Intergenic	NM_001166121	aqp3b	1.234016866	4.366597483	-3.132580617	0.000429
peak_11432	chr15	6765851	6766212	-12212	Intergenic	NM_131778	meis3	3.346615242	6.479342948	-3.132727706	7.67E-08
peak_22213	chr24	1754133	1754735	295242	Intergenic	NM_001113644_4	zgc:172101	3.124540972	6.257480526	-3.132939555	0.00012
peak_5565	chr23	33077527	33078263	-426049	Intergenic	NR_029935		5.410189882	8.543636063	-3.133446181	9.06E-12
peak_21635	chr5	581737	582172	81186	Intergenic	NM_001004603	ass1	0.625495796	3.759412658	-3.133916862	9.14E-05
peak_10155	chr2	47583950	47584488	3121	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	4.860571419	7.994978958	-3.134407539	1.85E-08
peak_9531	chr19	49574202	49574703	-20629	intron (NM_001040330, intron 2 of 8)	NM_001252559	ago4	3.275608918	6.410423421	-3.134814502	8.64E-09
peak_7291	chr21	1015438	1016139	-91914	Intergenic	NM_201138	txnl1	4.958072879	8.093722524	-3.135649645	3.02E-10
peak_12414	chr14	22220846	22221294	18244	Intergenic	NM_001198864	LOC568697	3.535233816	6.671112523	-3.135878707	2.03E-07
peak_29754	chr9	17793623	17794362	8556	intron (NM_001012247, intron 2 of 81)	NM_001012247	mycbp2	3.073219981	6.209389433	-3.136169451	0.001891
peak_13790	chr18	38542366	38542660	-109576	Intergenic	NM_001017682	sema6dl	2.728799148	5.865298959	-3.136499811	7.02E-07
peak_5719	chr20	48102666	48103198	-220868	Intergenic	NM_200967	efhc1	4.592962636	7.729560804	-3.136598168	1.25E-11
peak_8972	chr8	10684146	10684836	230169	Intergenic	NM_001077391	zgc:153997	3.68663467	6.823399548	-3.136764877	4.03E-09
peak_28837	chr7	30807947	30808374	10540	Intergenic	NM_131283	foxb1b	2.555944961	5.692798587	-3.136853626	0.001432
peak_5793	chr25	902819	903433	3967	intron (NM_001080075_1, intron 2 of 14)	NM_001080075_1	nell2a	5.349884986	8.487214227	-3.137329241	1.49E-11
peak_5374	chr24	6730400	6731009	-271627	Intergenic	NM_131774	anxa13	5.147781807	8.285158948	-3.137377141	5.49E-12
peak_6209	chr18	23541680	23542484	116983	Intergenic	NM_131183	nr2f2	5.302631231	8.440357952	-3.137726721	3.79E-11
peak_18761	chr8	53544156	53544531	26969	intron (NM_001040037, intron 1 of 19)	NM_001040037	bmp1a	2.702019304	5.840181935	-3.13816263	2.06E-05
peak_26540	chr18	42659452	42660026	58355	Intergenic	NM_001045140	si:ch211-151h10.	3.665896933	6.804217403	-3.13832047	0.000662
peak_19029	chr20	1490293	1490622	54790	Intergenic	NM_001100056	LOC796447	2.200926086	5.339540408	-3.138614321	2.42E-05
peak_12050	chr7	17820139	17820759	-17203	Intergenic	NM_131158	dbx1a	4.053416714	7.192074904	-3.13865819	1.40E-07
peak_8780	chr3	48341813	48342348	22948	intron (NM_001030128, intron 1 of 17)	NM_001030128	dnm2a	5.03873779	8.17739734	-3.13865955	3.06E-09
peak_28270	chr14	43664205	43664569	243970	Intergenic	NM_001030213	afap1l1a	0.978440673	4.117113209	-3.138672536	0.001198
peak_15169	chr1	21883499	21884461	158683	Intergenic	NM_001089491	rfc1	3.914183006	7.052922592	-3.138739586	2.04E-06
peak_19271	chr16	55720724	55720992	-100939	Intergenic	NM_199647	pdcl	1.984009138	5.122783717	-3.138774579	2.74E-05
peak_13061	chr5	43540477	43540916	74397	intron (NM_200276, intron 20 of 47)	NM_200276	ncor1	2.883141315	6.022131868	-3.138990554	3.76E-07
peak_20059	chr16	51187529	51187843	417139	Intergenic	NM_001003763	eif3ha	1.812734601	4.952091417	-3.139356816	4.27E-05
peak_7256	chr7	22276004	22276840	141521	Intergenic	NM_131806	efnb3b	5.665539629	8.804915288	-3.139375659	2.84E-10
peak_4906	chr18	30266259	30267167	-119305	Intergenic	NM_001080807	gse1	7.012163903	10.15161983	-3.139455931	1.75E-12
peak_36563	chr20	8926088	8927312	-329651	Intergenic	NM_001040685	dab1a	-0.360322949	2.779364274	-3.139687223	0.009676
peak_12481	chr5	36678442	36679436	63278	Intergenic	NM_212913	foxd1l	4.382958521	7.522648601	-3.13969008	2.16E-07
peak_4431	chr18	25421374	25422901	92561	Intergenic	NM_001103120	pex11a	6.23257273	9.372662608	-3.140089878	4.33E-13
peak_6653	chr8	49184399	49185268	-72169	intron (NM_001123282, intron 8 of 12)	NM_001123283	LOC567180	6.108735571	9.249006884	-3.140271314	9.02E-11

peak_7274	chr25	1901659	1902298	-51301	Intergenic	NM_131042_1	fbln1	4.519926288	7.660200353	-3.140274065	2.93E-10
peak_9721	chr2	33750522	33750941	39162	intron (NM_201074, intron 5 of 11)	NM_201074	eif2b3	3.231678245	6.373190186	-3.14151194	1.12E-08
peak_9726	chr25	20822483	20822930	50122	Intergenic	NM_001006012	kctd15a	3.340116769	6.481843498	-3.141726729	1.13E-08
peak_10928	chr17	19407273	19407762	-42048	Intergenic	NM_001029951	cyp26c1	4.0373604	7.179345432	-3.141985032	4.52E-08
peak_4312	chr16	54591387	54592334	-119316	Intergenic	NM_213187	dhdds	6.655068016	9.79717243	-3.142104414	2.82E-13
peak_14363	chr6	19215421	19216033	3775	intron (NM_001017556, intron 2 of 8)	NM_001017556	rhbdl3	3.849893014	6.992341877	-3.142448863	1.12E-06
peak_10768	chr24	1583730	1584157	124751	Intergenic	NM_001113644_4	zgc:172101	3.033337828	6.176216959	-3.142879132	3.74E-08
peak_32406	chr7	45312452	45312730	-120879	Intergenic	NM_001003983	cdh5	0.653720264	3.79661418	-3.142893916	0.003795
peak_25502	chr11	10128754	10129331	-91128	Intergenic	NM_001142265	nlgn1	3.860615567	7.003591883	-3.142976315	0.000464
peak_9182	chr1	47743727	47744739	68597	Intergenic	NM_001003579	morc3b	5.524709948	8.667874838	-3.14316489	5.36E-09
peak_8965	chr22	38891548	38892336	500297	Intergenic	NM_001113587	hykk.2	5.44299439	8.587370402	-3.144376012	3.99E-09
peak_7102	chr18	44501659	44502430	-57956	Intergenic	NM_001002686	blvrb	4.523754484	7.668521938	-3.144767454	2.13E-10
peak_6651	chr23	21744911	21745729	2439	Intergenic	NM_001103128	LOC100149863	5.298726614	8.443864345	-3.145137731	9.00E-11
peak_11362	chr2	36671927	36672405	11392	Intergenic	NM_001012386	gadd45bb	4.194866279	7.340124558	-3.145258278	7.09E-08
peak_21155	chr23	20241444	20241834	-19464	Intergenic	NM_001128242	atp2b3b	2.544684847	5.690203085	-3.145518238	7.24E-05
peak_9213	chr19	2562408	2563374	-16746	Intergenic	NM_213241	sp8a	4.928693146	8.074386607	-3.145693461	5.66E-09
peak_8152	chr15	40490220	40490890	148955	Intergenic	NM_001002430	pxylp1	5.953113131	9.099135765	-3.146022634	1.23E-09
peak_17161	chr19	29413388	29414066	-138653	Intergenic	NM_213122	sox4a	3.982700169	7.128823969	-3.1461238	7.80E-06
peak_14835	chr13	26495306	26496461	418786	Intergenic	NM_001040391	bcl11aa	4.722934818	7.869064978	-3.14613016	1.61E-06
peak_10802	chr12	27071884	27072336	-56292	Intergenic	NM_131363	six3b	2.880158125	6.02737838	-3.147220255	3.87E-08
peak_21894	chr18	38514382	38514871	-137463	Intergenic	NM_001017682	sema6dl	3.073219981	6.220634695	-3.147414714	0.000104
peak_11925	chr7	38645870	38646187	-123409	Intergenic	NM_001146014	sall1a	2.822091642	5.969615048	-3.147523406	1.26E-07
peak_29032	chr4	34007720	34008243	618750	intron (NM_001114585_1, intron 7 of 12)	NM_001114585_1	zgc:174944	0.234016866	3.381952285	-3.147935418	0.001525
peak_8690	chr24	20339801	20341086	-72939	Intergenic	NM_199619	csrnp1b	5.437424198	8.585564589	-3.148140391	2.67E-09
peak_20791	chr7	19766967	19767451	48701	Intergenic	NM_001127308	dtx1	2.751830549	5.900250327	-3.148419777	6.08E-05
peak_7602	chr23	17882331	17882787	-54493	Intergenic	NM_001030133	bhlhe23	4.586571412	7.735405794	-3.148834382	5.10E-10
peak_16556	chr5	75345136	75345427	36439	Intergenic	NM_173268	ddx54	1.812734601	4.961702865	-3.148968264	5.44E-06
peak_21145	chr20	15288415	15289158	118441	Intergenic	NM_200805	prdx6	3.659052965	6.808294679	-3.149241714	7.21E-05
peak_19615	chr5	73161091	73161498	-1528	Intergenic	NM_001003629	rgs3a	2.529533336	5.679377069	-3.149843734	3.31E-05
peak_13574	chr15	29950328	29951020	163352	intron (NM_201109, intron 7 of 14)	NM_201109	msi2b	2.964424746	6.114378421	-3.149953676	5.90E-07
peak_13229	chr14	16519009	16519736	957490	Intergenic	NM_001044746	cnga5	3.291414275	6.442289772	-3.150875498	4.32E-07
peak_17553	chr5	41796683	41797023	38724	Intergenic	NM_001100034	si:dkey-193c22.1	2.745287581	5.896743945	-3.151456364	1.02E-05
peak_18236	chr16	1455423	1455767	74423	Intergenic	NM_178222	sim1a	2.471023015	5.622705224	-3.151682208	1.56E-05
peak_10958	chr15	19892250	19892626	-14777	Intergenic	NM_001008574	usp2a	2.650222256	5.802054252	-3.151831997	4.66E-08
peak_4191	chr8	4921031	4922253	15337	Intergenic	NM_213274	cldn5a	7.820467453	10.97243513	-3.151967678	1.92E-13
peak_9579	chr25	19074485	19075077	153	exon (NM_001007124, exon 1 of 20)	NM_001007124	met	4.245721053	7.39772208	-3.152001027	9.36E-09
peak_9866	chr21	1681802	1682467	-227017	Intergenic	NM_205605	wdr91	4.266432285	7.418511294	-3.152079009	1.35E-08
peak_19740	chr1	39903491	39903815	-3083	Intergenic	NM_130968	tenm3	1.938847741	5.09096812	-3.152120379	3.53E-05
peak_11581	chr7	25249312	25249766	-35406	Intergenic	NM_200567	dhrs2	3.389328476	6.541485644	-3.152157168	8.86E-08
peak_21385	chr10	29508788	29509335	8490	intron (NM_131000, intron 1 of 15)	NM_131000	alcama	2.834474036	5.986673825	-3.152199789	8.09E-05
peak_5783	chr8	20656079	20657157	19454	intron (NM_001013278, intron 1 of 17)	NM_001013278	rfx2	4.497658046	7.649864759	-3.152206713	1.44E-11
peak_4665	chr9	33753651	33754420	9199	Intergenic	NM_001020796	olig1	6.067581778	9.21982052	-3.152238741	8.40E-13
peak_9706	chr17	44303503	44303908	-7610	Intergenic	NM_131251	otx2	4.077057032	7.2301324	-3.153075368	1.09E-08
peak_12083	chr25	17467526	17467931	-123673	Intergenic	NM_001089445	ccnd2a	2.451058288	5.604394071	-3.153335783	1.44E-07
peak_4855	chr22	36052471	36053464	37623	intron (NM_173274, intron 1 of 2)	NM_173274	dag1	6.279010388	9.432383451	-3.153373063	1.53E-12
peak_24525	chr24	24746463	24747047	-27334	Intergenic	NM_001013349	zgc:112982	3.860615567	7.01410232	-3.153486752	0.00032
peak_7876	chr24	4606770	4607851	-79352	Intergenic	NM_130918	fzd8a	3.84071513	6.994229235	-3.153514105	7.78E-10
peak_10236	chr9	35783819	35784383	29614	Intergenic	NM_001159670	tslpr	3.674632506	6.828573706	-3.153941201	2.02E-08
peak_5913	chr6	31818534	31819270	-32937	Intergenic	NM_131290	foxd3	5.881650491	9.035831828	-3.154181337	1.94E-11
peak_6384	chr7	70554778	70555565	-124076	Intergenic	NM_199682	ap1g1	5.687488159	8.841671498	-3.154183339	5.38E-11
peak_25972	chr12	8516437	8516875	216732	Intergenic	NM_001114592	tmem26b	3.365936857	6.52055399	-3.154617134	0.000545
peak_7025	chr5	74949230	74950140	34820	Intergenic	NM_131208	lhx3	4.733765494	7.888606721	-3.154841226	1.77E-10
peak_9348	chr5	19160219	19160783	-398486	Intergenic	NM_001100015	chfr	4.109335453	7.264191292	-3.154855839	6.84E-09
peak_12535	chr2	29431171	29431664	5815	Intergenic	NM_207641	ptf1a	3.093967964	6.249037818	-3.155069854	2.26E-07
peak_22945	chr14	32274987	32275347	61509	Intergenic	NR_030129		2.075829856	5.230994382	-3.155164526	0.000165
peak_19017	chr5	64025292	64025672	83652	Intergenic	NM_173259_1	scarb2	1.205700064	4.360865927	-3.155165863	2.40E-05
peak_18955	chr3	43317043	43317396	-76300	Intergenic	NM_200517	zfand2a	2.664163689	5.81955058	-3.155386891	2.31E-05
peak_8550	chr23	37288842	37289169	-77499	Intergenic	NM_001128715	zgc:193690	3.33794409	6.493362889	-3.155418799	2.22E-09
peak_13191	chr10	3610164	3610711	82679	Intergenic	NM_001037412	zgc:123275	3.785795595	6.941409655	-3.15561406	4.21E-07
peak_22270	chr19	9073738	9074350	-30294	Intergenic	NM_200597	efna1a	3.19853316	6.354170277	-3.155637116	0.000123
peak_17264	chr13	32901266	32901667	-29448	intron (NM_001002351, intron 3 of 7)	NM_001145591	bend3	2.247969535	5.403888175	-3.15591864	8.35E-06
peak_24722	chr10	11650945	11651647	-82391	Intergenic	NM_001098758	ppwd1	3.988171427	7.144682084	-3.156510656	0.000347
peak_17591	chr7	41790511	41790858	-87499	intron (NM_001128667, intron 11 of 22)	NR_030097		2.463070247	5.619640839	-3.156570592	1.05E-05
peak_32632	chr17	33324452	33325041	-39362	Intergenic	NM_001012313	snx9a	1.467052111	4.623624454	-3.156572343	0.004011
peak_12533	chr11	31755483	31755927	135857	Intergenic	NM_200716	zgc:73111	3.159552967	6.316368579	-3.156815612	2.25E-07
peak_15977	chr12	44750748	44751306	25661	intron (NM_001110011_1, intron 4 of 20)	NM_001110011_1	dock1	3.359525028	6.516662489	-3.157137461	3.71E-06
peak_29683	chr24	29771179	29771561	44406	intron (NM_001083844, intron 7 of 65)	NM_001083844	col11a1a	2.10167217	5.258952104	-3.157279934	0.001854
peak_12519	chr9	2568232	2568637	9882	intron (NM_213000, intron 1 of 6)	NM_213000	chn1	3.592962636	6.750461485	-3.157498849	2.23E-07
peak_23778	chr17	42205606	42206092	7040	Intergenic	NM_001111166	zgc:171531	3.700328943	6.858096277	-3.157767334	0.000234
peak_7861	chr11	20801437	20801914	55007	intron (NM_131086, intron 2 of 16)	NM_131086	cdh4	3.886118348	7.044533043	-3.158414695	7.62E-10
peak_11749	chr21	10842528	10843273	-152149	Intergenic	NM_001002562	celf4	3.674632506	6.833266857	-3.158634351	1.03E-07
peak_25941	chr14	5691402	5691742	-6993	Intergenic	NM_153651	tlx2	2.075829856	5.234718412	-3.158888557	0.000539
peak_8250	chr11	16817904	16818589	-141134	Intergenic	NM_001110030	kbtbd8	5.173058203	8.33208388	-3.159025677	1.46E-09
peak_22255	chr7	20896771	20897085	653	exon (NM_001076630, exon 2 of 16)	NM_001076630	dak	2.205700064	5.364924405	-3.159224341	0.000122
peak_6540	chr20	32457502	32458522	13075	intron (NM_001037106, intron 1 of 3)	NM_001037106	snx3	5.377710924	8.537447592	-3.159736668	7.22E-11
peak_8242	chr23	10174158	10174635	-79035	Intergenic	NM_001111167	zgc:171775	4.389328476	7.549323191	-3.159994715	1.44E-09
peak_18331	chr9	22622885	22623458	53941	Intergenic	NM_001123235	arhgef7a	2.95594936	6.116390537	-3.160441177	1.64E-05
peak_10659	chr10	4702889	4703522	-18359	Intergenic	NM_001204256	palm2	3.445014594	6.605494201	-3.160479607	3.34E-08
peak_19102	chr7	15902608	15902888	118527	Intergenic	NM_200799	zgc:73349	0.967238845	4.128030973	-3.160792127	2.51E-05
peak_24169	chr12	16211294	16211680	1255	intron (NM_001146306, intron 1 of 13)	NM_001146306	plxdc1	1.618352549	4.779176833	-3.160824284	0.000278
peak_30172	chr17	12330900	12331245	30436	intron (NM_001045342, intron 1 of 3)	NM_001045342	emilin1b	0.978440673	4.139740247	-3.161299574	0.002128
peak_11078	chr9	24248350	24248721	2006	intron (NM_001123275, intron 1 of 24)	NM_001123275	kif5c	2.540911861	5.702236176	-3.161324314	5.38E-08
peak_6232	chr22	39068366	39069143	345731	Intergenic	NM_001017600	polr2h	5.430273871	8.591688707	-3.161414836	3.97E-11
peak_17377	chr22	35731946	35732370	-283186	Intergenic	NM_173274	dag1	2.614767619	5.776258693	-3.161491074	9.02E-06
peak_25093	chr14	14928492	14928773	25439	Intergenic	NM_001013321	smtnl1	1.215200887	4.377062901	-3.161862014	0.000402
peak_21644	chr22	9907	10303	14785	Intergenic	NM_001080577	celsr2	1.205700064	4.36771718	-3.162017115	9.20E-05
peak_24478	chr9	51468589	51468943	-303274	Intergenic	NM_001017644	slc38a11	1.205700064	4.367866651	-3.162166587	0.000313
peak_4529	chr23	17948536	17949518	-5104	Intergenic	NR_030063		5.877894867	9.040100114	-3.162205246	5.85E-13
peak_11912	chr15	32253086	32253430	112824	Intergenic	NM_199743	zgc:73340	2.892054049	6.054353031	-3.162298982	1.23E-07
peak_30920	chr18	47517424	47517801	16308	Intergenic	NM_001200037	LOC798703	-0.360322949	2.802048421	-3.16237137	0.002565
peak_23616	chr7	13416875	13417224	227051	Intergenic	NM_001037578	fam154b	0.215200887	3.377903279	-3.162702392	0.000216
peak_26463	chr2	19581157	19581761	37611	Intergenic	NM_131615	pbx1a	2.877168754	6.039953677	-3.162784923	0.000643
peak_6637	chr5	36623610	36624277	8282	Intergenic	NM_212913	foxd1l	4.417440195	7.580250414	-3.162810219	8.82E-11
peak_16294	chr3	40027093	40027462	22120	intron (NM_001045469, intron 2 of 21)	NM_001045469	llgl1	2.868163296	6.0311079	-3.162944604	4.57E-06
peak_6226	chr20	29985582	29986129	75345	Intergenic	NM_131337	sox11b	4.906830085	8.069969982	-3.163139897	3.93E-11
peak_8578	chr11	10444852	10445413	75249	Intergenic	NM_001003883	ect2	3.447031973	6.61084986	-3.163817887	2.30E-09
peak_9008	chr12	30920443	30921038	132460	Intergenic	NM_001111150	bms1l	4.449046535	7.613191763	-3.164145228	4.24E-09
peak_8746	chr25	25610126	25610631	-137284	Intergenic	NM_001002089_1	tsg101a	4.245721053	7.409905691	-3.164184638	2.92E-09
peak_8339	chr15	16610565	16611353	184942	Intergenic	NM_213076	rps6kb1b	4.194866279	7.359127209	-3.16426093	1.67E-09
peak_31476	chr19	22736799	22737160	35904	intron (NM_001045159, intron 6 of 9)	NM_001045159	nfatc1	2.200926086	5.36540918	-3.164483093	0.002977
peak_15088	chr2	2787590	2788031	-100833	Intergenic	NM_207059	aqp1a.1	3.268781826	6.433310822	-3.164528997	1.94E-06
peak_6489	chr11	22802915	22803828	59418	intron (NM_001199491, intron 2 of 17)	NM_001199491	foxp4	5.317074445	8.481676785	-3.16460234	6.62E-11
peak_8567	chr12	32834465	32835179	-44534	Intergenic	NM_131259	tcf7l2	5.184590475	8.349232089	-3.164641613	2.26E-09
peak_5382	chr1	35900814	35901762	-1556	Intergenic	NM_001002077	lsm6	6.502030931	9.66721014	-3.165179208	5.60E-12
peak_9073	chr16	43253988	43254424	12432	Intergenic	NM_001002075	ccne2	3.798584256	6.963949501	-3.165365245	4.66E-09

peak_19137	chr12	48589796	48590297	35786	Intergenic	NM_130934	hhex	3.186367739	6.351933984	-3.165566245	2.55E-05
peak_23496	chr6	57831648	57832050	223425	intron (NM_212908, intron 2 of 6)	NM_212908	tox2	2.784293744	5.95015548	-3.165861736	0.000206
peak_15000	chr25	20286518	20286891	62594	Intergenic	NM_001004622	zgc:101783	3.465062553	6.631492532	-3.166429979	1.80E-06
peak_12982	chr25	38016227	38016512	81692	intron (NM_200913, intron 5 of 8)	NM_200913	wwox	2.10167217	5.26813239	-3.166460221	3.45E-07
peak_5529	chr22	16494060	16494696	-9199	Intergenic	NM_001128538	cdc14ab	5.43790188	8.604701519	-3.166799639	8.14E-12
peak_22959	chr7	41302792	41303368	-158825	Intergenic	NM_001037384	grpel1	2.200926086	5.36787282	-3.166946733	0.000166
peak_7603	chr16	47686122	47686701	48983	Intergenic	NM_001003850	rbm42	4.598418383	7.765515545	-3.167097162	5.11E-10
peak_6490	chr7	51206075	51206750	33655	Intergenic	NM_131231	ascl1b	4.955240826	8.122515441	-3.167274615	6.63E-11
peak_6275	chr7	51208922	51209536	36472	Intergenic	NM_131231	ascl1b	6.084565688	9.252053917	-3.167488229	4.37E-11
peak_5265	chr5	21519875	21520797	24997	intron (NM_001126454, intron 1 of 1)	NM_001126454	fam222a	6.680633566	9.848128335	-3.167494769	4.45E-12
peak_4643	chr24	24505245	24506401	44739	Intergenic	NM_131384	arxa	5.860549344	9.028095904	-3.16754656	7.92E-13
peak_19786	chr7	70487911	70488403	-57062	Intergenic	NM_199682	ap1g1	4.00759772	7.175385127	-3.167787407	3.62E-05
peak_8934	chr22	14018573	14019082	-12223	Intergenic	NM_205753	sh3bp4a	3.915640605	7.083476637	-3.167836032	3.83E-09
peak_8799	chr20	32600677	32601294	60341	Intergenic	NM_001002588	sec63	3.915640605	7.083702132	-3.168061527	3.17E-09
peak_7826	chr11	29303294	29303837	187883	Intergenic	NM_001006070	dhrs3b	3.85293938	7.02105552	-3.16811614	7.27E-10
peak_18868	chr1	52243467	52243983	-15265	Intergenic	NM_213556	junba	2.964424746	6.132544966	-3.16812022	2.20E-05
peak_8583	chr7	19044478	19044901	18130	Intergenic	NM_001242938	ecsit	3.229335828	6.397884129	-3.168548301	2.32E-09
peak_7058	chr4	1571688	1572400	7659	intron (NM_001045098, intron 1 of 8)	NM_001045098	gas2l3	4.83451899	8.003292254	-3.168773264	1.94E-10
peak_14552	chr9	21173711	21174243	232214	intron (NM_001159666, intron 6 of 8)	NM_001159666	igsf3	3.17667448	6.345595878	-3.168921398	1.29E-06
peak_9381	chr20	22501152	22501799	-30558	Intergenic	NM_001025512	gsx2	4.058703696	7.227967219	-3.169263522	7.16E-09
peak_17429	chr13	47076856	47077126	-36374	Intergenic	NM_001243005	fgfr2	1.984009138	5.153581412	-3.169572274	9.29E-06
peak_17882	chr10	24313112	24313755	26875	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	2.712120089	5.881871629	-3.16975154	1.27E-05
peak_22014	chr13	9888479	9888805	-62063	Intergenic	NM_131362	six3a	1.831388386	5.001199811	-3.169811424	0.00011
peak_15552	chr6	678658	678895	-69895	Intergenic	NM_001114903	cyth4b	1.938847741	5.108864787	-3.170017046	2.71E-06
peak_25566	chr18	22517335	22518135	-2061	Intergenic	NM_201117	cpsf5	3.282403856	6.452775441	-3.170371585	0.000474
peak_15135	chr9	38518505	38518832	99370	Intergenic	NM_001004597	dirc2	2.200926086	5.371357915	-3.170431828	1.99E-06
peak_7613	chr13	46536761	46537513	2537	Intergenic	NM_199514	olig4	4.948094724	8.118653187	-3.170558462	5.22E-10
peak_8684	chr18	4628900	4629547	11551	Intergenic	NM_001045395_1	glg1b	4.133410493	7.304129717	-3.170719225	2.66E-09
peak_5551	chr19	28643102	28643934	-27198	Intergenic	NM_131823	irx1b	5.737503108	8.908374913	-3.170871805	8.74E-12
peak_17110	chr13	2921035	2921426	-20951	Intergenic	NM_131567	prph2b	2.90091206	6.071996707	-3.171084648	7.56E-06
peak_4737	chr19	15843544	15844101	348556	Intergenic	NM_001201443	gmeb1	5.856760446	9.028040895	-3.171280448	1.04E-12
peak_17551	chr3	33705171	33705553	-77098	Intergenic	NM_213330	sgsm3	1.950271315	5.121577563	-3.171306248	1.01E-05
peak_21011	chr13	21977507	21977905	11398	intron (NM_001145707, intron 3 of 25)	NM_001145707	zswim8	2.614767619	5.786228845	-3.171461227	6.75E-05
peak_14047	chr23	6014270	6014752	-113936	Intergenic	NM_200558	mybpha	3.623713297	6.79584459	-3.172131293	8.82E-07
peak_24163	chr18	24573836	24574173	-129305	Intergenic	NM_001045011	rgma	2.784293744	5.957134819	-3.172841075	0.000277
peak_9950	chr25	8735954	8737064	22858	Intergenic	NR_029997		6.173327324	9.346513659	-3.173186336	1.48E-08
peak_20334	chr14	44267515	44267814	-141637	Intergenic	NM_001115099	pcdh18b	1.467052111	4.640914841	-3.17386273	4.92E-05
peak_24746	chr21	8001592	8002027	11293	intron (NM_001045299, intron 1 of 12)	NM_001045299	crb2a	3.914097927	7.088045593	-3.173947667	0.000351
peak_22490	chr15	32967540	32968025	39328	Intergenic	NM_001127474	dckl1b	2.862128275	6.036090644	-3.173962368	0.000135
peak_5972	chr5	15585667	15586424	331746	Intergenic	NM_213066	hk2	4.129647348	7.303733927	-3.174086579	2.20E-11
peak_13997	chr9	38717245	38717723	-89670	Intergenic	NM_001113576	pdia5	3.264212416	6.438399858	-3.174187442	8.41E-07
peak_9264	chr21	40216022	40216651	3200	intron (NM_200873, intron 2 of 4)	NM_200873	hmp19	3.395609492	6.570477974	-3.174868482	6.00E-09
peak_17332	chr10	38985433	38985789	152150	intron (NM_212796, intron 6 of 16)	NM_212796	msi2a	2.521897487	5.697243022	-3.175345534	8.68E-06
peak_5370	chr17	8543337	8544840	-5888	Intergenic	NM_131715	ctbp2a	6.173362868	9.348824914	-3.175462046	5.43E-12
peak_5036	chr4	27300054	27300633	104859	Intergenic	NM_001105586	cerk	5.161397164	8.337175248	-3.175778084	2.45E-12
peak_25592	chr15	14822608	14823350	17707	intron (NM_001077141, intron 9 of 13)	NM_001077141	tada2a	4.135986768	7.311857359	-3.175870591	0.000479
peak_22557	chr23	17019077	17019430	-15629	intron (NM_001111202, intron 4 of 5)	NM_001025181	zgc:114174	0.653720264	3.829599497	-3.175879232	0.000139
peak_13616	chr23	21168880	21169348	17137	intron (NM_001146149, intron 4 of 8)	NM_001146149	pax7b	3.046703014	6.222688303	-3.175985288	6.13E-07
peak_39607	chr12	49837455	49837862	33903	Intergenic	NM_001089541	cyp4f3	-0.360322949	2.81595363	-3.176276579	0.016891
peak_39608	chr13	91166	91762	5326	TTS (NM_001076571)	NM_001076571	gtf2a1l	-0.360322949	2.81595363	-3.176276579	0.016891
peak_13789	chr13	5787006	5787398	22954	exon (NM_001003600, exon 7 of 7)	NM_001003600	fam120b	2.964424746	6.140745993	-3.176321248	7.01E-07
peak_6058	chr16	8949319	8950695	26817	TTS (NM_001077532)	NM_001077532	cnot10	6.083288136	9.260064193	-3.176776057	2.74E-11
peak_20485	chr22	24984398	24984819	-4620	Intergenic	NM_001017710	lhx9	2.122017822	5.299069191	-3.177051369	5.25E-05
peak_25393	chr19	33020596	33021220	4045	intron (NM_001024222, intron 1 of 5)	NM_001024222	stmn2b	2.784293744	5.961640981	-3.177347237	0.000448
peak_4519	chr9	56785947	56787855	-8127	Intergenic	NM_001013334	gpm6bb	7.627917204	10.80657649	-3.17865929	5.61E-13
peak_17885	chr19	24475290	24475646	7387	intron (NM_213460, intron 1 of 3)	NM_213460	syt11a	2.521897487	5.700561195	-3.178663708	1.27E-05
peak_21725	chr17	49879048	49879420	-28044	Intergenic	NM_001278851	shroom3	1.984009138	5.162755069	-3.178745931	9.50E-05
peak_28479	chr1	47031193	47031908	-64427	Intergenic	NM_001007327	cab39l	3.97012931	7.148904868	-3.178775558	0.00128
peak_12595	chr4	26973105	26973437	220540	intron (NM_214799, intron 12 of 13)	NM_214799	tbc1d22a	2.533336158	5.712832791	-3.179496634	2.38E-07
peak_6962	chr21	43204349	43204867	-35086	Intergenic	NM_131826	spry4	4.653771219	7.833328688	-3.179557469	1.59E-10
peak_10653	chr7	30796129	30796489	-1311	Intergenic	NM_131283	foxb1b	3.795420797	6.975160757	-3.17973996	3.32E-08
peak_4974	chr20	30183025	30183815	-122220	Intergenic	NM_131337	sox11b	6.961781532	10.14153253	-3.179750999	2.08E-12
peak_11042	chr18	41636135	41636561	76473	Intergenic	NM_001167569_1	pvrl1b	3.212831541	6.392649222	-3.179817681	5.13E-08
peak_21410	chr2	4851594	4852178	51142	intron (NM_001012388, intron 3 of 21)	NM_001012388	dlg1l	3.19853316	6.378416798	-3.179883638	8.18E-05
peak_17823	chr23	21151222	21152011	-361	promoter-TSS (NM_001146149)	NM_001146149	pax7b	4.637860481	7.817780176	-3.179919695	1.22E-05
peak_7281	chr3	14355289	14355754	-17536	Intergenic	NM_001040248	nfixb	3.804890439	6.985480353	-3.180589914	2.97E-10
peak_18835	chr10	4650596	4650952	-5510	Intergenic	NM_001002132	lppr1	1.831388386	5.012077899	-3.180689513	2.17E-05
peak_31770	chr23	40012245	40013077	-26548	intron (NM_001142955, intron 3 of 3)	NM_001029963	ppp1r14c	3.313826142	6.49455221	-3.180726068	0.003244
peak_18847	chr18	41452313	41452659	128324	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	2.122017822	5.303043249	-3.181025427	2.18E-05
peak_4545	chr9	51427517	51429218	-262875	Intergenic	NM_001017644	slc38a11	6.323160258	9.504354752	-3.181194495	6.04E-13
peak_8597	chr4	1454595	1455242	-4437	Intergenic	NM_001045104	slc38a2	5.111282037	8.292630678	-3.181348641	2.35E-09
peak_15723	chr1	39936578	39936874	29990	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	2.342286181	5.523746802	-3.181460621	3.10E-06
peak_7611	chr25	8747271	8747790	11837	Intergenic	NR_029997		5.563922263	8.745522353	-3.18160009	5.19E-10
peak_7140	chr2	27652272	27652986	13358	intron (NM_001144819, intron 1 of 13)	NM_001144819	zswim5	4.946669565	8.128531804	-3.181862239	2.25E-10
peak_16469	chr12	33806568	33806831	-39813	Intergenic	NM_001197059	hlfb	2.205700064	5.387806326	-3.182106262	5.15E-06
peak_31489	chr12	1082035	1082345	-34780	Intergenic	NM_212974	tob1b	1.426730103	4.608880845	-3.182150742	0.002983
peak_16852	chr5	28101936	28102540	35564	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	2.521897487	5.70404953	-3.182152043	6.49E-06
peak_7418	chr17	53343553	53344324	-3259	Intergenic	NM_131896	meis2a	5.493759878	8.676038118	-3.18227824	3.76E-10
peak_14715	chr5	11029590	11030066	38126	Intergenic	NM_001128398	si:ch211-207k7.4	2.091390725	5.273892079	-3.182501354	1.47E-06
peak_8174	chr4	8185894	8186233	58167	intron (NM_212824, intron 2 of 2)	NM_212824	chst11	3.449046535	6.63166483	-3.182618295	1.27E-09
peak_8935	chr3	12277591	12278121	-18830	intron (NM_001042778, intron 9 of 11)	NM_001076757	pdgfab	3.803316476	6.986075789	-3.182759314	3.84E-09
peak_17542	chr20	11138479	11138833	149673	Intergenic	NM_001100043	flrt2	2.355234589	5.538168238	-3.182933649	1.01E-05
peak_17130	chr9	29439370	29439720	-7166	Intergenic	NM_001044766	klf7b	2.238682765	5.421917811	-3.183235045	7.64E-06
peak_4547	chr8	28682680	28683747	22296	intron (NM_001077371, intron 3 of 5)	NM_001006663	capza1b	6.413045791	9.596312286	-3.183266495	6.06E-13
peak_38978	chr4	55759524	55760526	146073	Intergenic	NM_001111199	zgc:173710	-0.360322949	2.823247303	-3.183570252	0.015217
peak_24056	chr1	12152829	12153348	2784	exon (NM_001115058, exon 1 of 4)	NM_001115058	pcdh18a	1.618352549	4.802351153	-3.183998603	0.000263
peak_31850	chr7	45702772	45703749	-10438	Intergenic	NM_001017669	dync1li2	3.951610027	7.136285276	-3.184675249	0.003312
peak_22582	chr15	38101937	38102766	111302	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	3.217566349	6.403008333	-3.185441984	0.00014
peak_4085	chr13	26215731	26217001	139269	Intergenic	NM_001040391	bcl11aa	6.95611611	10.14176208	-3.185645967	1.35E-13
peak_4782	chr21	22886054	22886929	138146	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	6.863406533	10.04940733	-3.186000797	1.20E-12
peak_6157	chr3	49534815	49535366	-98609	Intergenic	NM_212985	metrnl	4.282403856	7.468527796	-3.18612394	3.45E-11
peak_9473	chr7	74094448	74095612	160476	Intergenic	NM_001006020_1	ccdc149a	5.122054653	8.308452288	-3.186397636	8.05E-09
peak_17732	chr1	38633358	38634229	-29415	Intergenic	NM_131626	hand2	3.570930962	6.757334919	-3.186403957	1.15E-05
peak_11471	chr23	21160513	21161022	8790	intron (NM_001146149, intron 4 of 8)	NM_001146149	pax7b	3.111880861	6.298531843	-3.186650982	8.00E-08
peak_27218	chr7	47291705	47292075	-281400	Intergenic	NM_001020749	pop4	1.812734601	4.999426758	-3.186692157	0.000838
peak_5301	chr8	53132339	53133101	39797	Intergenic	NM_001123044	bin3	6.396407926	9.583683386	-3.18727546	4.86E-12
peak_6892	chr18	42444603	42445533	-50260	Intergenic	NM_001005575	bcl9l	5.42564779	8.612974471	-3.187326681	1.39E-10
peak_12329	chr25	31196953	31197353	11466	intron (NM_200881, intron 1 of 10)	NM_200881	hsd17b12a	3.801740793	6.989266277	-3.187525484	1.86E-07
peak_39002	chr1	55313452	55314231	37025	Intergenic	NM_213358	pi4k2a	0.944570835	4.132195542	-3.187624707	0.015276
peak_21116	chr17	766236	766716	-1986	Intergenic	NM_131591	actc1b	2.984009138	6.171827123	-3.187817985	7.09E-05
peak_7731	chr22	11455164	11455722	93207	Intergenic	NM_200832	mid1ip1b	3.44299439	6.631219444	-3.188225054	6.35E-10
peak_23715	chr1	5428540	5428903	-71129	Intergenic	NM_001020643	klf7a	2.618352549	5.806750281	-3.188397732	0.000228
peak_18265	chr13	31321920	31322490	66146	Intergenic	NM_001110389	mapk8a	2.950271315	6.138962263	-3.188690948	1.58E-05
peak_19448	chr8	45185830	45186180	12912	intron (NM_001037705, intron 1 of 3)	NM_001037705	ccdc92	2.935977657	6.124694456	-3.188716799	3.00E-05
peak_10736	chr22	15069682	15070103	88671	Intergenic	NM_001024811	gtpbp1l	2.874173177	6.062994696	-3.188821519	3.59E-08

peak_8558	chr1	49841253	49841920	-17748	Intergenic	NM_131260	msxb	4.426670464	7.615950671	-3.189280207	2.24E-09
peak_9498	chr2	32844043	32844652	-63156	Intergenic	NM_001076570	rnf220a	3.555944961	6.74551418	-3.189569219	8.34E-09
peak_15259	chr2	50927543	50928009	-12396	Intergenic	NM_200773	viml	3.576470503	6.766138335	-3.189667832	2.19E-06
peak_11779	chr4	5586036	5586871	-21947	Intergenic	NM_001089378	tmem63a	3.700230269	6.890338923	-3.190108654	1.07E-07
peak_37972	chr14	34152398	34152986	-87015	Intergenic	NM_212957	pdzd11	-0.360322949	2.829992927	-3.190315876	0.012698
peak_5570	chr20	47621328	47622167	8933	intron (NM_199709, intron 1 of 19)	NM_199709	dtnba	5.061998248	8.25244035	-3.190442101	9.19E-12
peak_17233	chr7	46290079	46290379	-165326	Intergenic	NM_001103194_1	uqcrfs1	2.075829856	5.266383109	-3.190553253	8.20E-06
peak_16426	chr11	4321794	4322105	-84067	Intergenic	NM_001020570	zgc:110191	2.247969535	5.438716264	-3.190746729	5.01E-06
peak_15310	chr2	31848788	31849217	114846	Intergenic	NM_200172	mycb	3.357381403	6.54845843	-3.191077027	2.29E-06
peak_5066	chr5	67480989	67481852	-10125	Intergenic	NM_001017540	ak5l	5.977434903	9.168543543	-3.19110864	2.67E-12
peak_21119	chr18	35732133	35732434	-36781	Intergenic	NM_001139480	yap1	1.426730103	4.618085673	-3.19135557	7.12E-05
peak_4373	chr2	40906258	40906984	48971	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	6.003431202	9.194815792	-3.19138459	3.50E-13
peak_16724	chr4	9669739	9670036	1239	exon (NM_200937, exon 3 of 12)	NM_200937	ing3	2.632603848	5.824088761	-3.191484913	6.05E-06
peak_18616	chr6	16639916	16640640	-229001	Intergenic	NM_001129823	psmb3	3.616561198	6.808273294	-3.191712096	1.91E-05
peak_5794	chr7	9617529	9618625	70022	intron (NM_001020496, intron 1 of 4)	NM_194409	vax2	6.877531856	10.06933297	-3.191801109	1.49E-11
peak_20597	chr23	37029055	37029395	-49234	Intergenic	NM_001089535	ube2j2	1.434885166	4.626688255	-3.191803089	5.58E-05
peak_22056	chr1	46547459	46547981	118593	Intergenic	NM_001008624	arhgef7b	2.664163689	5.856365347	-3.192201658	0.000112
peak_11565	chr23	5945820	5946979	-113128	Intergenic	NM_205567	csrp1a	5.20208622	8.394733877	-3.192647657	8.77E-08
peak_9181	chr5	36286892	36287214	-52530	Intergenic	NM_001114845	hexa	3.091390725	6.284055394	-3.192664669	5.36E-09
peak_10232	chr3	47883021	47883865	-85252	Intergenic	NM_001002183	cdc42ep4a	5.236934821	8.429665773	-3.192730952	2.01E-08
peak_18373	chr1	5733006	5733423	38261	intron (NM_001143751, intron 2 of 24)	NM_001143751	erbb4a	1.984009138	5.177012867	-3.193003729	1.67E-05
peak_7557	chr17	35956791	35957523	101578	Intergenic	NM_131336	sox11a	5.137200293	8.330509753	-3.19330946	4.85E-10
peak_20627	chr6	15984001	15984423	35224	Intergenic	NM_152964	gbx2	3.124540972	6.317851321	-3.19331035	5.67E-05
peak_8542	chr11	19134173	19135294	-9092	Intergenic	NM_131245	id1	6.117926736	9.311238006	-3.19331127	2.21E-09
peak_23224	chr23	1487259	1487603	106769	Intergenic	NM_200432	fbxo30b	2.702019304	5.895425026	-3.193405722	0.000185
peak_12309	chr11	43736896	43737405	14976	intron (NM_153660, intron 1 of 12)	NM_153660	il17rd	3.353084575	6.54664526	-3.193560684	1.81E-07
peak_18542	chr10	5498469	5498729	72652	Intergenic	NM_001003576	auh	1.938847741	5.132444397	-3.193596656	1.82E-05
peak_8889	chr7	44447987	44448710	7706	intron (NM_199824, intron 3 of 5)	NM_199824	arl8	5.140907462	8.334597595	-3.193690134	3.60E-09
peak_30826	chr18	25989984	25990436	-332	promoter-TSS (NR_030101)	NR_030101		2.862128275	6.057188509	-3.195060234	0.002511
peak_21418	chr2	26460199	26460781	8342	intron (NM_131022, intron 1 of 3)	NM_131022	efna2	3.188780911	6.383851146	-3.195070235	8.20E-05
peak_17727	chr9	3647308	3647675	20866	Intergenic	NM_180973	sp5a	2.66069094	5.85576968	-3.195078739	1.15E-05
peak_5268	chr7	62312905	62313495	123964	intron (NM_213147_1, intron 14 of 14)	NM_213147_1	acox3	5.143434108	8.338674609	-3.195240501	4.49E-12
peak_5769	chr8	27653334	27654508	-8350	Intergenic	NM_001128289	si:dkey-159f12.3	5.5648515	8.76010533	-3.19525383	1.40E-11
peak_21812	chr1	47044986	47045342	-50813	Intergenic	NM_001007327	cab39l	2.247969535	5.443248169	-3.195278634	9.96E-05
peak_9205	chr13	10160487	10161231	-25594	Intergenic	NM_001145616	prepl	5.140907462	8.336204853	-3.195297392	5.57E-09
peak_20678	chr16	7533695	7534205	-16592	Intergenic	NM_001080645	zgc:158657	2.521897487	5.717720461	-3.195822973	5.81E-05
peak_28585	chr13	7183638	7183933	183977	Intergenic	NM_001281798	ninl	-0.360322949	2.835941897	-3.196264846	0.001325
peak_6509	chr18	14980846	14981638	-21660	Intergenic	NM_205712	rfx4	5.576904302	8.773799523	-3.196895221	6.85E-11
peak_6050	chr11	26760423	26761030	2541	intron (NM_130938, intron 1 of 7)	NM_130938	skib	5.210423655	8.408322907	-3.197899252	2.69E-11
peak_19968	chr5	75512106	75512563	-59864	Intergenic	NM_205634	zgc:77391	1.426730103	4.624661643	-3.19793154	4.04E-05
peak_7286	chr7	41823008	41823533	-54913	intron (NM_001128667, intron 12 of 22)	NR_030097		4.815079557	8.013471048	-3.198391491	3.00E-10
peak_20436	chr8	50521964	50522687	-239932	Intergenic	NM_001128741	zgc:195023	4.593820247	7.792417905	-3.198597659	5.15E-05
peak_33151	chr5	74494723	74495073	339920	Intergenic	NM_001003993	ak1	0.215200887	3.414353829	-3.199152942	0.004557
peak_7644	chr17	30628695	30629660	-49024	Intergenic	NM_001003547	itsn2b	4.879411363	8.078600669	-3.199189306	5.48E-10
peak_5379	chr6	14352435	14353776	-150197	Intergenic	NM_001128547	inpp4ab	5.492295346	8.691606889	-3.199311543	5.53E-12
peak_12860	chr12	27591401	27591835	2875	intron (NM_001004585, intron 1 of 12)	NM_001004585	bmpr1ab	2.797003394	5.996401589	-3.199398195	3.04E-07
peak_18272	chr15	31263539	31263941	105385	Intergenic	NM_001110394	brca2	2.430813397	5.630236873	-3.199423476	1.59E-05
peak_16579	chr23	33134045	33134432	-369706	Intergenic	NR_029935		2.10167217	5.301683853	-3.200011684	5.52E-06
peak_16662	chr8	27414137	27414578	39401	intron (NM_001122712, intron 7 of 14)	NM_001122712	sema3bl	2.426730103	5.62684256	-3.200112457	5.80E-06
peak_24611	chr6	11961916	11962209	44382	Intergenic	NM_001077769	wdsub1	1.938847741	5.139033667	-3.200185926	0.000331
peak_8924	chr24	37976220	37976675	26508	intron (NM_001033748, intron 1 of 3)	NM_001033748	zgc:114120	3.027956891	6.228534166	-3.200577275	3.78E-09
peak_32739	chr17	37522980	37523314	39863	Intergenic	NM_001159819	crip1	1.215200887	4.416088327	-3.20088744	0.004125
peak_5661	chr13	11154381	11155457	-991	promoter-TSS (NM_001082952)	NM_001082952	zbtb18	5.330281963	8.531419067	-3.201137105	1.12E-11
peak_27708	chr7	70910262	70910792	49187	Intergenic	NM_001100142	phlpp2	2.702019304	5.903351002	-3.201331697	0.000994
peak_21626	chr18	25708407	25708696	-69593	Intergenic	NM_001128352	sema4ba	2.075829856	5.277204771	-3.201374915	9.10E-05
peak_6559	chr5	21187930	21189058	-5002	Intergenic	NM_131099	foxn4	4.786638878	7.988132497	-3.201493618	7.48E-11
peak_11920	chr21	22851432	22851960	172941	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	4.467110104	7.668868202	-3.201758098	1.25E-07
peak_9735	chr10	32258931	32259729	24363	Intergenic	NM_200398	tmem218	4.649397536	7.851165402	-3.201767866	1.15E-08
peak_18306	chr5	41789232	41789683	46120	Intergenic	NM_001100034	si:dkey-193c22.1	2.935977657	6.137952812	-3.201975154	1.62E-05
peak_8456	chr9	54686220	54686669	59276	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	3.33794409	6.539932364	-3.201988274	1.98E-09
peak_10162	chr24	6768088	6768546	-309240	Intergenic	NM_131774	anxa13	4.084927414	7.287105304	-3.202177889	1.86E-08
peak_6913	chr24	33315229	33315884	63638	Intergenic	NM_001018143	trdmt1	4.162011373	7.365508099	-3.203496725	1.45E-10
peak_9084	chr9	8487036	8487642	37458	Intergenic	NM_001045426	zgc:153499	3.930136166	7.133823538	-3.203687373	4.71E-09
peak_30154	chr7	34762081	34762345	3636	intron (NM_212849, intron 1 of 2)	NM_212849	glceb	1.467052111	4.671044269	-3.203992157	0.002113
peak_17275	chr23	29233675	29234256	-182593	Intergenic	NM_001002631	dffa	2.751830549	5.955890208	-3.204059659	8.40E-06
peak_3879	chr15	4362967	4364444	23387	intron (NM_198208, intron 1 of 13)	NM_198208	tfdp2	7.445393068	10.64955016	-3.20415709	6.93E-14
peak_4586	chr22	3651778	3654533	195752	Intergenic	NM_001013507	timm44	7.110945417	10.31545587	-3.204510455	6.80E-13
peak_18755	chr3	15853869	15854368	4194	Intergenic	NM_213208	rpl19	2.210458296	5.414996119	-3.204537823	2.06E-05
peak_10807	chr18	24552593	24553281	-150372	Intergenic	NM_001045011	rgma	4.718766161	7.923855855	-3.205089694	3.89E-08
peak_7336	chr6	13875317	13875911	-15932	Intergenic	NR_030096		3.999292718	7.20452255	-3.205229832	3.25E-10
peak_4577	chr7	55500346	55501639	68469	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	6.45810659	9.663530576	-3.205423985	6.61E-13
peak_14604	chr13	19834023	19834526	94167	Intergenic	NM_001002536	fam204a	3.943058799	7.149135432	-3.206076632	1.35E-06
peak_8527	chr8	30897700	30898476	-67251	Intergenic	NM_001040637	fancc	4.165691145	7.372246696	-3.20655555	2.18E-09
peak_11011	chr17	38785382	38785763	44550	Intergenic	NM_131525	sptb	3.041371788	6.247952494	-3.206580706	4.99E-08
peak_25432	chr7	39677179	39677421	6338	intron (NM_001130634, intron 2 of 8)	NM_001130634	lrp3	0.234016866	3.440680208	-3.206663342	0.000453
peak_7116	chr11	25121911	25122956	3052	Intergenic	NM_001030278	sox12	5.452092413	8.658781774	-3.206689362	2.17E-10
peak_8085	chr19	42400443	42400990	-23926	Intergenic	NM_199593	shfm1	4.088808875	7.295548127	-3.206739253	1.11E-09
peak_29834	chr21	551098	551362	-23472	Intergenic	NM_200564	rad23b	0.215200887	3.422318821	-3.207117934	0.001933
peak_4555	chr11	42159033	42160486	34273	Intergenic	NM_001080699	slc45a1	6.132783983	9.340246361	-3.207462378	6.26E-13
peak_17297	chr23	20637203	20637653	-73797	Intergenic	NM_131563	tnnc2	2.533336158	5.740905812	-3.207569655	8.50E-06
peak_22395	chr14	3817248	3817656	273883	Intergenic	NM_001017822	zgc:110204	2.935977657	6.143883911	-3.207906253	0.00013
peak_23981	chr5	38439285	38439600	-1484	Intergenic	NM_130932	ckma	1.426730103	4.634655934	-3.207925831	0.000255
peak_6295	chr4	20337946	20338630	64227	intron (NM_001006015, intron 1 of 5)	NM_001006015	pawr	4.198463301	7.406989406	-3.208526106	4.50E-11
peak_7739	chr9	32236236	32236912	35555	intron (NM_001037416, intron 1 of 7)	NM_001037416	clybl	3.95594936	7.164609579	-3.208660218	6.41E-10
peak_8335	chr9	14903471	14904169	-122754	Intergenic	NM_212966	nrp2b	3.630830115	6.839655982	-3.208825867	1.66E-09
peak_4155	chr11	26756584	26757765	6093	intron (NM_130938, intron 1 of 7)	NM_130938	skib	6.876024302	10.08494613	-3.208921828	1.67E-13
peak_36687	chr21	6105026	6105376	47883	Intergenic	NM_212591	cdk9	0.944570835	4.153849203	-3.209278368	0.009886
peak_12652	chr8	43607290	43607723	-54083	Intergenic	NM_200838	golga1	3.208081142	6.417493137	-3.209411995	2.51E-07
peak_17624	chr18	12894524	12894851	169055	Intergenic	NM_001044968	plcg2	2.200926086	5.410710792	-3.209784705	1.08E-05
peak_4741	chr13	28609795	28610702	-30660	Intergenic	NM_001162541	slc2a15a	6.552449272	9.762310956	-3.209861684	1.06E-12
peak_26453	chr21	25462165	25462570	-3020	Intergenic	NM_001001593	rpl23a	0.215200887	3.425231078	-3.210030191	0.000641
peak_7995	chr15	15270897	15271969	67284	intron (NM_001020595, intron 1 of 7)	NM_001017695	rnmtl1a	5.61513772	8.825788536	-3.210650816	9.48E-10
peak_4636	chr2	33103754	33104512	3504	intron (NM_001030073, intron 1 of 12)	NM_001030073	slc6a9	5.826017789	9.037243218	-3.211225429	7.82E-13
peak_7248	chr9	2646499	2647109	-53902	Intergenic	NM_212960	sp9	4.945956457	8.157389222	-3.211432765	2.79E-10
peak_13418	chr14	15351322	15351860	44170	intron (NM_200376, intron 2 of 6)	NM_200376	fgfrl1a	3.715471362	6.926953933	-3.211482571	5.18E-07
peak_27361	chr20	32531748	32532195	-8673	Intergenic	NM_001002588	sec63	2.096540606	5.308610154	-3.212069548	0.00088
peak_17030	chr14	344721	345332	25302	Intergenic	NM_001017768	cops6	3.20331505	6.415448623	-3.212133573	7.16E-06
peak_8767	chr13	10163925	10164788	-22097	Intergenic	NM_001145616	prepl	4.414350268	7.6265668	-3.212216532	3.00E-09
peak_10392	chr13	25398310	25399022	23326	intron (NM_001272084, intron 3 of 10)	NM_001272084	adka	3.500574775	6.712939384	-3.212364608	2.41E-08
peak_8452	chr7	66591367	66592196	238419	Intergenic	NM_198825_1	fam60al	5.683240619	8.895650186	-3.212409567	1.97E-09
peak_10988	chr5	28049713	28050297	87797	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	4.740360808	7.953063527	-3.212702719	4.85E-08
peak_15316	chr18	32687905	32688336	98093	intron (NM_001014354, intron 1 of 13)	NM_001014354	kcnab1	2.42263522	5.635676363	-3.213041143	2.30E-06
peak_7634	chr25	2755000	2755408	-92303	Intergenic	NM_001079965	adpgk	3.395609492	6.608704836	-3.213095344	5.41E-10
peak_29777	chr4	4352378	4352716	-30221	Intergenic	NM_001030208	gnsa	-0.360322949	2.852870861	-3.21319381	0.001906
peak_21883	chr20	34546216	34546623	10128	TTS (NM_200050)	NM_200050	prrx1b	3.365936857	6.579775647	-3.213838791	0.000103

peak_5457	chr11	8625920	8626486	-22206	Intergenic	NM_001020583	tbl1xr1a	4.864350335	8.078645547	-3.214295212	6.94E-12
peak_7033	chr8	34138088	34139339	91242	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	6.169379377	9.384785872	-3.215406496	1.80E-10
peak_18641	chr15	18803679	18804263	3871	intron (NM_212634, intron 1 of 15)	NM_212634	alcamb	2.42263522	5.638199611	-3.215564391	1.92E-05
peak_9402	chr16	39656093	39656706	-96996	Intergenic	NM_001089484	scmh1	4.300433863	7.5162352	-3.215801338	7.39E-09
peak_5288	chr9	7638863	7639583	-14669	intron (NM_001130588, intron 12 of 22)	NR_030098		4.790616223	8.00686764	-3.216251417	4.66E-12
peak_8855	chr19	15886656	15887489	391806	Intergenic	NM_001201443	gmeb1	4.920730635	8.137019675	-3.21628904	3.42E-09
peak_11980	chr6	43554673	43554984	173223	intron (NM_001039637, intron 13 of 19)	NM_001013450	zgc:113054	2.903852685	6.120272404	-3.216419719	1.33E-07
peak_7153	chr19	18480709	18481224	-4388	Intergenic	NM_130931	slc39a7	4.138412798	7.355054614	-3.216641816	2.28E-10
peak_23196	chr2	4109147	4109607	-1077	Intergenic	NM_001045381	pter	2.702019304	5.919285812	-3.217266508	0.000183
peak_19772	chr7	14377649	14377946	-31686	Intergenic	NM_001099248	ankdd1a	1.95594936	5.173468219	-3.217518858	3.59E-05
peak_10323	chr12	30899605	30900099	111572	Intergenic	NM_001111150	bms1l	2.33794409	5.555727172	-3.217783081	2.24E-08
peak_5354	chr5	71037023	71037838	-20080	Intergenic	NM_001012251	gsx1	6.026271224	9.244610865	-3.218339641	5.30E-12
peak_4770	chr4	60143523	60144303	-102214	Intergenic	NM_201580	nup50	5.683215657	8.901677172	-3.218461515	1.16E-12
peak_13192	chr4	20229889	20230292	88118	intron (NM_001002463, intron 4 of 6)	NM_001002463	syt1a	3.114421786	6.333060285	-3.218638498	4.21E-07
peak_28598	chr4	52773430	52773867	801198	Intergenic	NM_001114418	zgc:174704	-0.360322949	2.858382931	-3.21870588	0.001331
peak_20741	chr8	29248265	29248569	4659	intron (NM_130924, intron 3 of 9)	NM_130924	ptpn1	1.451058288	4.66977935	-3.218721062	5.96E-05
peak_8295	chr5	51355910	51356396	-171420	Intergenic	NM_131180	nr2f1a	3.10167217	6.320625211	-3.218953042	1.58E-09
peak_17689	chr8	17217233	17217533	-71	promoter-TSS (NM_001089433)	NM_001089433	rpe65b	2.075829856	5.294801844	-3.218971988	1.12E-05
peak_8400	chr25	17264153	17264550	26211	intron (NM_205672, intron 1 of 5)	NM_205672	zgc:77158	3.641439946	6.861094127	-3.21965418	1.84E-09
peak_28183	chr22	35237935	35238808	117207	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	3.934540472	7.154311399	-3.219770927	0.00117
peak_9613	chr25	29119647	29120263	-19657	Intergenic	NM_001114348	fezf1	3.678071896	6.898148219	-3.220076323	9.72E-09
peak_11720	chr15	32926415	32926920	80443	Intergenic	NM_001127474	dckl1b	3.445014594	6.66614235	-3.221127756	9.98E-08
peak_7841	chr5	67853820	67854454	-34301	Intergenic	NM_001080575	col27a1b	6.419254587	9.640451826	-3.221197238	7.40E-10
peak_21802	chr24	13079592	13080156	97102	intron (NM_200925, intron 13 of 14)	NM_001080583	rdh10a	3.523698724	6.745716588	-3.222017864	9.90E-05
peak_10637	chr14	31466001	31466384	39158	intron (NM_001002556, intron 2 of 5)	NM_001002556	mrpl11	3.036020788	6.258200943	-3.222180155	3.26E-08
peak_12150	chr2	21763199	21763843	-15951	Intergenic	NM_001256694	tox	3.681503107	6.904210592	-3.222707484	1.56E-07
peak_7230	chr13	49134134	49134896	-195001	Intergenic	NM_001159668	fbxo11a	5.479482569	8.70306591	-3.223583342	2.72E-10
peak_23601	chr20	49187199	49187510	-42027	Intergenic	NM_001109847	zgc:173683	1.967238845	5.190993547	-3.223754701	0.000215
peak_11629	chr7	48295464	48295881	95153	Intergenic	NM_001195407	tshz3b	2.219927938	5.443951512	-3.224023573	9.28E-08
peak_28886	chr2	13229273	13229607	-168887	Intergenic	NM_001100962	vps4b	-0.360322949	2.863711749	-3.224034699	0.001459
peak_7369	chr17	29083303	29084639	94476	Intergenic	NM_131067	foxg1a	4.400822864	7.625305788	-3.224482925	3.44E-10
peak_6258	chr9	55106456	55107699	4879	Intergenic	NM_001009888	sox21b	7.378503906	10.6031819	-3.224677991	4.24E-11
peak_16207	chr5	27410047	27410383	144	exon (NM_001099449, exon 1 of 22)	NM_001099449	tmem2	2.42263522	5.647580609	-3.224945389	4.31E-06
peak_6989	chr24	26103465	26104157	83563	Intergenic	NM_001002185	smpx	4.914869472	8.140067	-3.225197527	1.67E-10
peak_32466	chr15	2623735	2623974	311	exon (NM_131769, exon 1 of 8)	NM_131769	cldnj	0.215200887	3.440450741	-3.225249854	0.00386
peak_4618	chr24	10437219	10438404	223573	Intergenic	NM_131412	myca	7.217253639	10.44254752	-3.225293882	7.50E-13
peak_24509	chr19	31422271	31422886	181866	Intergenic	NM_213235	khdrbs1b	3.753461665	6.978803778	-3.225342112	0.000318
peak_5443	chr12	2704472	2705278	82387	Intergenic	NM_131721	mapk8b	5.32864161	8.554143215	-3.225501605	6.68E-12
peak_6575	chr18	46330219	46331051	-289863	Intergenic	NM_001037706	smtla	4.917824246	8.143581584	-3.225757338	7.73E-11
peak_14236	chr4	6289393	6289743	30835	intron (NM_001166228, intron 8 of 51)	NM_001166228	dock4b	2.563403173	5.789183953	-3.225780779	1.01E-06
peak_9257	chr23	45915588	45915977	51089	intron (NM_130919_1, intron 3 of 3)	NM_001114453	zgc:175128	3.291414275	6.517394806	-3.225980531	5.96E-09
peak_8005	chr8	18031932	18033146	3307	intron (NM_130935, intron 1 of 6)	NM_130935	skia	5.429223982	8.65532449	-3.226100508	9.69E-10
peak_15540	chr11	10720418	10720820	115367	Intergenic	NM_198876	b3gnt5a	3.940280644	7.166671698	-3.226391054	2.70E-06
peak_9222	chr20	16305991	16306521	-42665	Intergenic	NM_212788	echdc2	3.348774912	6.576327078	-3.227552166	5.71E-09
peak_13671	chr20	2428639	2429099	169502	Intergenic	NM_001044800	tmem200a	2.874173177	6.102350556	-3.22817738	6.41E-07
peak_23467	chr12	19057446	19057968	-133306	Intergenic	NM_001171584	nptx2b	2.702019304	5.931070593	-3.229051288	0.000203
peak_6788	chr8	9738706	9739384	220787	Intergenic	NM_200092	bcap31	4.787435225	8.016726077	-3.229290852	1.15E-10
peak_12834	chr25	14746966	14747293	-21115	Intergenic	NM_131178	dbx1b	2.430813397	5.660218775	-3.229405378	2.98E-07
peak_5902	chr16	39633344	39633862	-74200	Intergenic	NM_001089484	scmh1	5.229921789	8.46018739	-3.230265602	1.90E-11
peak_23536	chr4	4338989	4339560	-43494	Intergenic	NM_001030208	gnsa	3.898051465	7.128432311	-3.230380847	0.000209
peak_35167	chr2	6472330	6472735	-118144	Intergenic	NM_001017821	rgs5b	-0.360322949	2.871309248	-3.231632197	0.007144
peak_17759	chr18	1293221	1293527	-95385	Intergenic	NM_198912	pepd	1.426730103	4.658475932	-3.231745829	1.18E-05
peak_12165	chr19	1920635	1920959	53796	intron (NM_198819, intron 3 of 28)	NM_198819	ptk2aa	2.877168754	6.109756606	-3.232587852	1.58E-07
peak_30254	chr4	1209594	1210101	6963	Intergenic	NM_178301	chrm2a	1.831388386	5.064020365	-3.232631978	0.002171
peak_13947	chr9	49973084	49974016	-61286	Intergenic	NM_001113604	nostrin	5.763280668	8.996366782	-3.233086114	8.01E-07
peak_4861	chr12	30387102	30388360	13741	Intergenic	NM_001002105	cdk5rap3	5.805283662	9.03839638	-3.233112719	1.56E-12
peak_20578	chr11	17298690	17298977	339453	Intergenic	NM_001110030	kbtbd8	1.66069094	4.894509276	-3.233818335	5.54E-05
peak_3873	chr9	38095467	38096784	76521	Intergenic	NM_131068	inhbb	7.213694579	10.4475245	-3.233829924	6.76E-14
peak_31861	chr13	11181141	11181366	25343	Intergenic	NM_001082952	zbtb18	-0.360322949	2.873789355	-3.234112304	0.003324
peak_24178	chr6	48440649	48441205	-82494	Intergenic	NM_201150	rhoae	4.023829128	7.258101849	-3.234272721	0.000279
peak_14721	chr8	21021827	21022616	-4119	Intergenic	NM_001003563	zgc:101100	4.551318627	7.785893778	-3.234575151	1.48E-06
peak_6218	chr8	54902430	54902966	-43771	Intergenic	NM_214808	fgf17	3.992402332	7.227159812	-3.23475748	3.90E-11
peak_20858	chr24	17791317	17791796	-14356	Intergenic	NM_001008734	commd3	3.19853316	6.433485111	-3.234951951	6.26E-05
peak_17637	chr24	1694437	1694926	235489	Intergenic	NM_001113644_4	zgc:172101	2.42263522	5.657589881	-3.234954662	1.08E-05
peak_8155	chr17	25290143	25290715	4315	intron (NM_201486, intron 1 of 5)	NM_201486	clic4	3.92580277	7.160981403	-3.235178634	1.23E-09
peak_16475	chr9	24474239	24474508	-57897	Intergenic	NM_001123295	sh3bp4	1.831388386	5.067104039	-3.235715652	5.17E-06
peak_13425	chr24	11481302	11481730	112191	intron (NM_205728, intron 2 of 14)	NM_205728	gli3	2.742004936	5.978084589	-3.236079653	5.21E-07
peak_10438	chr8	53048934	53049335	56448	Intergenic	NM_001002647	egr3	3.152152513	6.38841231	-3.236259797	2.54E-08
peak_33739	chr12	21451144	21451421	46641	Intergenic	NM_199879	mgrn1a	0.234016866	3.470365867	-3.236349001	0.005195
peak_4236	chr18	11232736	11233670	267281	Intergenic	NM_001013335	zgc:110789	7.306541514	10.54324283	-3.236701317	2.24E-13
peak_10827	chr14	48040379	48040969	104621	Intergenic	NM_001080662	shisa3	4.919235783	8.156023935	-3.236788152	4.01E-08
peak_10889	chr2	32785629	32786638	-121370	Intergenic	NM_001076570	rnf220a	4.862795876	8.099795088	-3.236999212	4.38E-08
peak_16498	chr25	10883545	10883908	-42672	intron (NM_001177458, intron 8 of 20)	NM_199684	ppp6r3	2.447031973	5.684171396	-3.237139423	5.25E-06
peak_7145	chr13	46534265	46535356	210	exon (NM_199514, exon 1 of 1)	NM_199514	olig4	5.463626715	8.701126458	-3.237499743	2.27E-10
peak_7606	chr2	47557112	47557959	-23563	Intergenic	NM_131277	pax3a	5.89727087	9.134877843	-3.237606973	5.15E-10
peak_13190	chr9	32189057	32189605	-11688	Intergenic	NM_001037416	clybl	2.822091642	6.059758629	-3.237666987	4.21E-07
peak_8861	chr16	34732069	34732713	-114085	Intergenic	NM_001130601	mms22l	4.42871364	7.666567584	-3.237853944	3.46E-09
peak_21749	chr21	5215969	5216425	89556	Intergenic	NM_205680	zgc:77838	1.426730103	4.664891572	-3.238161469	9.66E-05
peak_6745	chr20	30867958	30868947	58403	Intergenic	NM_200198	hebp2	5.763709003	9.002390909	-3.238681906	1.08E-10
peak_11558	chr18	45675949	45676204	-72009	Intergenic	NM_199925	zgc:77304	2.111880861	5.350729587	-3.238848726	8.73E-08
peak_6596	chr10	43957234	43958364	2967	intron (NM_001161732, intron 1 of 17)	NM_001161732	fgfr1b	5.569488729	8.808488469	-3.23899974	8.00E-11
peak_27822	chr17	15330629	15330936	39047	Intergenic	NM_001007286	fyna	-0.360322949	2.878713476	-3.239036425	0.001039
peak_9863	chr10	4192289	4192594	138363	Intergenic	NM_200920	pitpnb	2.552201346	5.791297503	-3.239096157	1.34E-08
peak_6077	chr3	53640530	53641528	3045	intron (NM_131447, intron 1 of 7)	NM_131447	pbx4	5.47803224	8.717212902	-3.239180661	2.89E-11
peak_15926	chr19	24386	25832	-12253	Intergenic	NM_001089521	atpif1a	3.975729886	7.215037293	-3.239307408	3.57E-06
peak_22659	chr6	56880888	56881335	545428	Intergenic	NM_001002869	ddx27	3.710343543	6.949661379	-3.239317836	0.000146
peak_9087	chr5	42099464	42100453	-10702	Intergenic	NM_001020676	ndufs4	5.662453684	8.901834135	-3.239380451	4.72E-09
peak_19746	chr9	14994789	14995267	-213962	Intergenic	NM_212966	nrp2b	2.834474036	6.074037685	-3.239563649	3.54E-05
peak_4938	chr15	38211142	38212083	2041	intron (NM_131633, intron 1 of 29)	NM_131633	robo2	6.110009366	9.349944752	-3.239935386	1.87E-12
peak_18002	chr5	28203436	28204133	-65982	Intergenic	NM_001128534	arvcfb	4.290356597	7.530367365	-3.240010768	1.37E-05
peak_15593	chr19	32078092	32078412	-21693	Intergenic	NM_001045142	myclb	1.938847741	5.179985534	-3.241137793	2.78E-06
peak_23063	chr13	35528232	35528777	-32309	Intergenic	NM_131863	jag1b	4.679838564	7.921492507	-3.241653943	0.000174
peak_14938	chr7	35070235	35070508	-52098	Intergenic	NM_131780	gro1	2.247969535	5.48966168	-3.241692144	1.72E-06
peak_13457	chr10	22739584	22740670	-33873	Intergenic	NM_001111177	zgc:172339	5.633072786	8.87511431	-3.242041524	5.35E-07
peak_9805	chr15	3284802	3285707	76699	Intergenic	NM_001098750	stoml3a	4.105508899	7.347612794	-3.242103895	1.25E-08
peak_11154	chr14	3201973	3202739	7268	intron (NM_203420, intron 1 of 19)	NM_203420	bicc2	4.40815049	7.650332894	-3.242182404	5.81E-08
peak_6495	chr17	11487566	11488277	-184721	Intergenic	NM_001030187	psma3	5.867366357	9.109861338	-3.242494981	6.69E-11
peak_20719	chr6	32364653	32365184	36044	Intergenic	NM_001082940	mafa	3.073219981	6.315750331	-3.24253035	5.90E-05
peak_11411	chr5	13642871	13643273	-74730	intron (NM_001144041, intron 5 of 19)	NM_001111087	zgc:171242	2.815860363	6.058485713	-3.24262535	7.52E-08
peak_14615	chr4	11588805	11589223	-47285	Intergenic	NM_001007341	arhgef39	3.271061115	6.513692633	-3.242631519	1.37E-06
peak_18644	chr16	6146626	6147024	82933	intron (NM_001080653, intron 8 of 10)	NM_001077257_1	foxo1a	2.471023015	5.71375796	-3.242734945	1.92E-05
peak_5242	chr5	38295325	38296378	1799	intron (NM_130958, intron 4 of 7)	NM_130958	dlb	7.278277621	10.52133868	-3.243061056	4.15E-12
peak_5900	chr23	27389168	27389779	4030	intron (NM_001214908, intron 2 of 2)	NM_001214908	wu:fc13c02	4.474051752	7.717542882	-3.24349113	1.89E-11
peak_14115	chr21	14000065	14000544	-26946	intron (NM_131888, intron 6 of 22)	NM_181439	gnrh2	3.707078536	6.950725311	-3.243646775	9.25E-07
peak_4097	chr5	30306250	30307121	10508	intron (NM_130907, intron 1 of 22)	NM_130907	tnc	5.856381009	9.10032166	-3.243940652	1.40E-13

peak_6045	chr12	45574098	45574697	31173	intron (NM_001110011, intron 1 of 20)	NM_001110011	dock1	4.542799588	7.786942112	-3.244142524	2.66E-11
peak_8970	chr3	41904202	41904837	-7762	Intergenic	NM_130971	lfng	4.416410954	7.660676612	-3.244265657	4.02E-09
peak_16244	chr20	1588131	1588646	152721	Intergenic	NM_001100056	LOC796447	2.745287581	5.989789488	-3.244501907	4.39E-06
peak_4911	chr25	2798578	2799742	-136259	Intergenic	NM_001079965	adpgk	6.263606833	9.508242066	-3.244635233	1.77E-12
peak_4438	chr7	35007436	35008919	10096	intron (NM_131780, intron 4 of 19)	NM_131780	gro1	6.957188459	10.20208901	-3.244900548	4.45E-13
peak_28956	chr20	21458019	21458513	-5090	Intergenic	NM_131862	jag2b	2.636144784	5.8811551	-3.245010316	0.001491
peak_9271	chr14	34722407	34723230	24554	intron (NM_001166124, intron 2 of 2)	NM_001166124	apln	4.555009968	7.800051141	-3.245041173	6.11E-09
peak_7171	chr2	30029853	30030367	9019	intron (NM_001044348, intron 2 of 5)	NM_001044348	jph1b	4.345534194	7.59094822	-3.245414026	2.38E-10
peak_8193	chr4	5671193	5671919	-3034	Intergenic	NM_001007053	pgm3	4.665081128	7.910590732	-3.245509605	1.32E-09
peak_34288	chr17	3151050	3151878	13179	intron (NM_001126427, intron 1 of 16)	NM_001126427	LOC569320	2.570823028	5.816451007	-3.245627979	0.005886
peak_20291	chr14	5782099	5782755	40766	Intergenic	NM_001105124	kazald2	4.041449684	7.287629939	-3.246180255	4.81E-05
peak_6818	chr15	14075258	14075905	-4425	Intergenic	NM_001030247	zgc:114130	5.117628607	8.363988587	-3.246359979	1.22E-10
peak_4562	chr20	17808957	17810589	23752	intron (NM_131081, intron 2 of 15)	NM_131081	cdh2	7.382198738	10.62862536	-3.246426625	6.40E-13
peak_5378	chr18	14975827	14977111	-16887	Intergenic	NM_205712	rfx4	5.991691324	9.238534678	-3.246843354	5.51E-12
peak_12311	chr21	40588057	40588507	-26046	Intergenic	NM_001020562	zgc:110053	3.234016866	6.481047889	-3.247031022	1.81E-07
peak_5319	chr12	46939960	46940570	-112527	Intergenic	NM_131640	pax2b	4.76734639	8.015576941	-3.248230551	4.95E-12
peak_19394	chr5	51374662	51375193	-152646	Intergenic	NM_131180	nr2f1a	3.521897487	6.770712788	-3.2488153	2.92E-05
peak_16230	chr7	22259211	22259611	124510	Intergenic	NM_131806	efnb3b	1.66069094	4.909877403	-3.249186462	4.36E-06
peak_7359	chr3	29395260	29395882	-201021	Intergenic	NM_001017756	grap2a	5.018452115	8.268057652	-3.249605537	3.38E-10
peak_7560	chr17	1281867	1282501	-48245	intron (NM_001002412, intron 1 of 1)	NM_001033741	srp14	4.721317424	7.970937914	-3.24962049	4.87E-10
peak_14838	chr23	6020882	6021560	-107226	Intergenic	NM_200558	mybpha	3.052014612	6.301700761	-3.249686149	1.62E-06
peak_25706	chr6	36644074	36644765	99213	Intergenic	NM_001007298	opa1	0.215200887	3.465229648	-3.250028761	0.000497
peak_8000	chr22	17064371	17064854	83625	intron (NM_001079962, intron 10 of 10)	NM_001099263	tm2d1	4.284661742	7.534769375	-3.250107633	9.53E-10
peak_23177	chr1	35826552	35827123	-76007	Intergenic	NM_001002077	lsm6	3.073219981	6.323514395	-3.250294414	0.000181
peak_19439	chr17	28901598	28902098	-31138	Intergenic	NM_001003822	g2e3	3.19853316	6.449061567	-3.250528407	2.98E-05
peak_12039	chr4	16516166	16516578	31059	Intergenic	NM_131219	ascl1a	2.871171366	6.122177203	-3.251005837	1.39E-07
peak_5961	chr24	25163604	25164286	94439	Intergenic	NM_200955	bhlhe22	5.1718389	8.423218557	-3.251379657	2.14E-11
peak_5886	chr2	57953483	57954340	-2533	Intergenic	NM_001242942	pias4b	5.989962721	9.241507402	-3.251544681	1.85E-11
peak_15280	chr16	22448498	22448886	65921	Intergenic	NM_001003471	fkbp14	2.434885166	5.686749857	-3.251864691	2.23E-06
peak_20885	chr20	44982727	44983181	279130	Intergenic	NM_001013534	zgc:103511	2.614767619	5.866732829	-3.25196521	6.35E-05
peak_5328	chr15	10629487	10630028	95192	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	5.008924139	8.260922536	-3.251998397	5.04E-12
peak_9391	chr17	5182586	5183221	-16478	intron (NM_212858, intron 3 of 6)	NM_001002625	supt3h	4.416410954	7.66845405	-3.252043095	7.27E-09
peak_17876	chr14	5364424	5364968	-27329	Intergenic	NM_001007134	lbx2	2.718814869	5.971103413	-3.252288543	1.26E-05
peak_19418	chr3	42922473	42923169	-27598	Intergenic	NR_030106		3.137236739	6.38954966	-3.252312921	2.96E-05
peak_7343	chr6	35321998	35322609	-10938	Intergenic	NM_001256393	apoer2	4.346615242	7.598946572	-3.252331329	3.29E-10
peak_8839	chr7	48300451	48300869	90165	Intergenic	NM_001195407	tshz3b	3.219927938	6.472725941	-3.252798003	3.37E-09
peak_18070	chr6	35326810	35327232	-15656	Intergenic	NM_001256393	apoer2	3.073219981	6.326119308	-3.252899327	1.42E-05
peak_42819	chr8	47590033	47590826	-75077	Intergenic	NM_213145	ywhabb	3.348774912	6.602255747	-3.253480835	0.027772
peak_10191	chr7	22224338	22225055	89795	intron (NM_131806, intron 2 of 4)	NM_131806	efnb3b	4.18281102	7.436570897	-3.253759877	1.93E-08
peak_20611	chr1	36182235	36182809	37471	Intergenic	NM_212807	pou4f2	3.006230172	6.260276333	-3.254046161	5.61E-05
peak_10739	chr13	49496458	49496891	-94077	Intergenic	NM_182860	msh6	3.385125888	6.639666326	-3.254540437	3.60E-08
peak_19608	chr24	21859865	21860578	7176	intron (NM_001005393, intron 1 of 18)	NM_001005393	boc	3.19853316	6.453114457	-3.254581296	3.30E-05
peak_4669	chr9	7634171	7635499	-19057	intron (NM_001130588, intron 12 of 22)	NR_030098		6.819185439	10.07380706	-3.254621617	8.45E-13
peak_4762	chr13	30225662	30226380	3841	intron (NM_130959, intron 3 of 5)	NM_130959	wnt8b	5.238716735	8.49351293	-3.254796195	1.13E-12
peak_11460	chr6	54557633	54558122	26199	intron (NM_001109724, intron 2 of 12)	NM_001109724	tead3b	3.406017464	6.660934824	-3.25491736	7.92E-08
peak_14305	chr12	1764638	1764999	94390	Intergenic	NM_001045248_1	usp22	2.459077363	5.714340479	-3.255263116	1.06E-06
peak_8200	chr7	17905307	17905671	23978	intron (NM_001017655, intron 9 of 15)	NM_001017655	prmt3	3.777803175	7.033771751	-3.255968576	1.34E-09
peak_3955	chr6	3930658	3931768	-62879	Intergenic	NM_200247	unc50	6.95611611	10.21210021	-3.255984102	8.88E-14
peak_6405	chr23	17907342	17908323	-46299	Intergenic	NR_030063		5.2920083	8.548336767	-3.256328467	5.57E-11
peak_17246	chr6	10928159	10928478	-28630	Intergenic	NM_001083011	coq7	2.075829856	5.332269497	-3.256439641	8.25E-06
peak_12844	chr7	9629879	9630997	57661	intron (NM_001020496, intron 1 of 4)	NM_194409	vax2	5.59025363	8.846797973	-3.256544343	3.00E-07
peak_4701	chr18	12496564	12497633	102588	Intergenic	NM_001075112	tmem5	6.21961574	9.476275678	-3.256659939	9.37E-13
peak_5988	chr2	41416043	41416655	-10124	Intergenic	NM_001020567	zgc:110158	5.352577963	8.609338916	-3.256760954	2.26E-11
peak_13394	chr19	44757088	44757437	-68846	Intergenic	NM_213339	ppt1	3.440971353	6.698001854	-3.257030501	5.09E-07
peak_28689	chr8	101360	101676	13419	Intergenic	NM_001089546_1	zgc:163014	-0.360322949	2.896712107	-3.257035056	0.001364
peak_14986	chr21	134161	134447	510	intron (NM_001114668, intron 1 of 4)	NM_001114668	gsdf	1.426730103	4.683801251	-3.257071148	1.77E-06
peak_31911	chr19	28189726	28190111	72396	intron (NM_001099987, intron 3 of 24)	NM_001099987	adcy2b	2.363802745	5.620884499	-3.257081754	0.003357
peak_5246	chr14	5371086	5371634	-20665	Intergenic	NM_001007134	lbx2	5.17610196	8.433516776	-3.257414816	4.18E-12
peak_21718	chr24	9985702	9986112	-117946	Intergenic	NM_213142	otulina	1.243333623	4.501111191	-3.257777568	9.47E-05
peak_10684	chr19	6761049	6761504	54159	Intergenic	NM_001044927	erf	3.171803318	6.430157007	-3.258353689	3.42E-08
peak_9267	chr17	738021	738471	17578	TTS (NM_213316)	NM_213316	arhgap11a	3.761684263	7.020152969	-3.258468706	6.02E-09
peak_6986	chr6	18101683	18102257	103152	intron (NM_131029, intron 4 of 5)	NM_131029	ntn1a	4.135913813	7.394432836	-3.258519022	1.66E-10
peak_6011	chr7	53142750	53143861	21869	intron (NM_213431, intron 9 of 10)	NM_213431	hdac8	5.195466406	8.454137808	-3.258671402	2.41E-11
peak_4491	chr7	34959068	34960162	58658	Intergenic	NM_131780	gro1	6.182793364	9.441595057	-3.258801694	5.20E-13
peak_12629	chr18	30284949	30285726	-100681	Intergenic	NM_001080807	gse1	4.297017342	7.555966375	-3.258949033	2.45E-07
peak_7869	chr16	925287	925793	104890	Intergenic	NM_207185	irx1a	4.06133994	7.320565419	-3.25922548	7.68E-10
peak_6355	chr15	33332795	33333438	54568	intron (NM_001137661, intron 2 of 23)	NM_001137661	frem2b	5.873026345	9.132535001	-3.259508656	5.05E-11
peak_14251	chr10	16978229	16978534	-2583	Intergenic	NM_213164	ywhah	2.086222395	5.346071357	-3.259848962	1.02E-06
peak_15687	chr15	7451919	7452181	-186742	Intergenic	NM_213106	zgc:63694	1.66069094	4.921102769	-3.260411829	3.03E-06
peak_5891	chr23	23647364	23648362	47542	Intergenic	NM_131873	her9	5.699433654	8.960002294	-3.26056864	1.86E-11
peak_20119	chr8	45301720	45302020	-79556	Intergenic	NM_001007031	fam101a	2.210458296	5.471200578	-3.260742282	4.41E-05
peak_5642	chr22	21306141	21306920	-35736	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	5.08683171	8.347730501	-3.260898792	1.08E-11
peak_8579	chr14	42976308	42976894	25885	Intergenic	NM_213439	mid1ip1l	3.552201346	6.813190904	-3.260989558	2.31E-09
peak_29294	chr23	11582980	11583198	102693	Intergenic	NM_001163106	chl1a	1.95594936	5.217070977	-3.261121617	0.001661
peak_7806	chr18	39662247	39662859	8238	intron (NM_212831, intron 1 of 13)	NM_212831	veph	3.445014594	6.706166135	-3.261151541	7.01E-10
peak_7066	chr11	27186393	27187074	-110264	Intergenic	NM_001045240	ppcs	3.854460154	7.115679973	-3.261219819	1.97E-10
peak_11402	chr17	33225136	33225957	-138562	Intergenic	NM_001012313	snx9a	4.021202373	7.28252834	-3.261325967	7.45E-08
peak_16439	chr11	17971582	17972214	241618	Intergenic	NM_001077273	fam19a4b	3.703609243	6.965414828	-3.261805585	5.05E-06
peak_32609	chr12	40175859	40176284	69711	intron (NM_001002490, intron 3 of 7)	NM_001002490	ttyh2	2.42263522	5.684458789	-3.261823569	0.003986
peak_4677	chr9	55014455	55015226	-87358	Intergenic	NM_001009888	sox21b	6.451575443	9.714480084	-3.262904642	8.70E-13
peak_38510	chr16	21802593	21802869	-17550	Intergenic	NM_001017820	twist1b	-0.360322949	2.902676842	-3.262999791	0.014011
peak_32897	chr3	22409353	22409805	32084	Intergenic	NM_001025183	myl4	1.618352549	4.881726083	-3.263373534	0.00428
peak_22951	chr18	38696130	38696459	44205	Intergenic	NM_001017682	sema6dl	2.200926086	5.464888837	-3.263962751	0.000166
peak_7564	chr5	67414793	67415280	21573	Intergenic	NM_131692	cmlc1	4.185230144	7.449256247	-3.264026103	4.89E-10
peak_13108	chr18	15601732	15602384	-11591	Intergenic	NM_001044999	plekhg7	3.596602092	6.86150313	-3.264901038	3.92E-07
peak_4013	chr9	24184057	24185469	5490	intron (NM_001128329, intron 2 of 6)	NM_001020723	lypd6b	6.378239627	9.643289447	-3.26504982	1.09E-13
peak_22560	chr17	21452356	21452850	161564	Intergenic	NM_001115098	hmx2	3.782697136	7.047873215	-3.265176079	0.000139
peak_11892	chr10	2821512	2822393	-4525	Intergenic	NM_178302	pnx	5.37985538	8.645070298	-3.265214918	1.20E-07
peak_10216	chr19	47539451	47540340	8949	intron (NM_001177934, intron 2 of 7)	NM_001177934	trps1	5.267574237	8.53282421	-3.265249973	1.98E-08
peak_11396	chr7	63124642	63125025	233600	Intergenic	NM_200491	tbc1d19	2.219927938	5.485389238	-3.265461299	7.41E-08
peak_11964	chr9	43777360	43777765	-8115	Intergenic	NM_001145782	col5a2a	2.964424746	6.23001847	-3.265593724	1.30E-07
peak_17255	chr19	15394970	15395297	-53005	Intergenic	NM_199211	ctps1a	2.555944961	5.821563101	-3.26561814	8.31E-06
peak_17284	chr14	22547773	22548194	71289	Intergenic	NM_001030227	reep2	2.521897487	5.787688713	-3.265791226	8.43E-06
peak_5893	chr13	25316402	25317067	105258	intron (NM_001272084, intron 4 of 10)	NM_001272084	adka	5.332466203	8.598582468	-3.266116266	1.87E-11
peak_10550	chr15	28989864	28990320	-54409	Intergenic	NM_001128669	samsn1a	4.090100377	7.356251194	-3.266150816	2.89E-08
peak_14595	chr6	7313180	7313567	-17715	Intergenic	NM_131286	sox21a	2.363802745	5.630123636	-3.266320891	1.34E-06
peak_10229	chr20	32497324	32497930	-12350	Intergenic	NM_001003608	nr2e1	4.779451908	8.045855636	-3.266403728	2.01E-08
peak_6872	chr11	14811265	14811742	207763	Intergenic	NM_212764	zgc:55741	4.026608515	7.293017783	-3.266409268	1.35E-10
peak_6100	chr24	23922055	23924695	355957	Intergenic	NM_001075111	hnf4g	5.888368752	9.1547996	-3.266430848	3.04E-11
peak_22952	chr19	36883229	36883462	26559	Intergenic	NM_001020633	ndufs5	0.944570835	4.21103323	-3.266462395	0.000166
peak_17898	chr15	33537557	33537935	50282	Intergenic	NM_001080189	zgc:158328	2.938847741	6.205590677	-3.266742937	1.29E-05
peak_10948	chr12	44924193	44924564	-147690	Intergenic	NM_001110011_1	dock1	2.559678887	5.827265357	-3.26758647	4.62E-08
peak_4954	chr14	44385431	44386793	-23189	Intergenic	NM_001115099	pcdh18b	7.152898129	10.42062086	-3.26772273	1.95E-12
peak_4721	chr25	10915138	10916125	21905	intron (NM_001177458, intron 5 of 20)	NM_001177458	lrp5	5.435363689	8.703449615	-3.268085926	9.89E-13
peak_28968	chr4	44953119	44953420	305068	Intergenic	NM_001128300	LOC100008037	0.215200887	3.483580792	-3.268379905	0.001497

peak_5723	chr17	34382636	34383698	-28308	exon (NM_194363, exon 3 of 15)	NM_199569	eif2s1a	5.168750469	8.43805692	-3.269306451	1.27E-11
peak_29131	chr12	3664469	3664928	4340	exon (NM_001045336, exon 2 of 10)	NM_001045336	rfng	1.205700064	4.475069151	-3.269369087	0.001574
peak_15447	chr19	26552488	26552790	95974	intron (NM_001202459, intron 1 of 17)	NM_001202459	jarid2b	1.800163388	5.069533435	-3.269370047	2.52E-06
peak_39151	chr3	48095762	48102834	39480	Intergenic	NM_201311	pmp22a	-0.360322949	2.909201936	-3.269524885	0.01568
peak_15385	chr21	6490091	6490474	-217922	Intergenic	NM_001003486	olfm1b	2.868163296	6.138163728	-3.270000432	2.39E-06
peak_6798	chr6	14406127	14406891	-203601	Intergenic	NM_001128547	inpp4ab	5.555037249	8.825145021	-3.270107771	1.17E-10
peak_17360	chr5	22879786	22880684	-3618	Intergenic	NM_001039926	hs3st1l2	3.787481669	7.057619143	-3.270137474	8.90E-06
peak_20381	chr22	16956766	16957359	20795	intron (NM_001127185, intron 6 of 43)	NM_001127185	inadl	3.708662913	6.978865801	-3.270202889	5.05E-05
peak_7308	chr13	29913941	29914630	-80276	Intergenic	NM_131184	pax2a	4.4631284	7.733653759	-3.270525358	3.11E-10
peak_6666	chr1	39277557	39278593	-7350	Intergenic	NM_205734	vegfc	5.4297639	8.70038546	-3.270621559	9.21E-11
peak_5714	chr14	51345409	51346080	-23093	intron (NM_001003537, intron 8 of 10)	NM_001083566	sept8b	5.064628484	8.335302306	-3.270673822	1.23E-11
peak_10833	chr1	43043004	43043586	381059	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	3.455073397	6.726039845	-3.270966448	4.02E-08
peak_7021	chr16	21222686	21223276	236078	Intergenic	NM_001098779	rapgef5b	4.875628053	8.146930274	-3.271302221	1.76E-10
peak_5141	chr13	6364792	6365339	-20095	Intergenic	NM_001025502_1	h2afy2	5.100390989	8.37204006	-3.271649071	3.30E-12
peak_6886	chr20	194294	195670	-9912	Intergenic	NM_001030209	si:ch211-241j12.3	5.555504813	8.827176124	-3.271671311	1.38E-10
peak_5263	chr7	65220236	65221085	71322	Intergenic	NM_131287	sox17	5.267036684	8.538795932	-3.271759248	4.42E-12
peak_10522	chr8	10025775	10026362	89142	intron (NM_001098489, intron 3 of 31)	NM_001098489	plxna3	4.238682765	7.510710765	-3.272027999	2.78E-08
peak_10801	chr14	1762298	1762954	24596	Intergenic	NM_001024185	pcdh2g13	5.282935715	8.555015558	-3.272079843	3.87E-08
peak_15880	chr10	22060418	22060744	47460	Intergenic	NM_001024126	pcdh1g30	1.950271315	5.222367938	-3.272096622	3.47E-06
peak_30901	chr23	33359681	33360282	-143963	Intergenic	NR_029935		1.787481669	5.059681322	-3.272199653	0.002555
peak_5126	chr5	42416794	42417434	-43617	Intergenic	NM_001123062	si:dkey-3h3.3	5.530932828	8.803219918	-3.27228709	3.20E-12
peak_12550	chr9	6801690	6802480	-99400	Intergenic	NM_131150	pou3f3a	4.562473003	7.834964449	-3.272491447	2.28E-07
peak_12720	chr5	51726118	51727202	94887	intron (NM_200418, intron 3 of 6)	NM_200418	fam172a	4.846031393	8.118563047	-3.272531654	2.70E-07
peak_15779	chr13	46897053	46897371	143405	Intergenic	NM_001243004	fgfr2	2.426730103	5.69941357	-3.272683467	3.24E-06
peak_15289	chr3	26227097	26227848	-3175	Intergenic	NM_001040348	rab40c	3.514108747	6.786861501	-3.272752753	2.24E-06
peak_14530	chr4	16503868	16504217	18729	Intergenic	NM_131219	ascl1a	2.629054199	5.90272262	-3.27366842	1.28E-06
peak_20812	chr19	35077232	35077610	10797	intron (NM_001076776, intron 1 of 10)	NM_001076776	runx1t1	2.210458296	5.484291071	-3.273832775	6.14E-05
peak_24402	chr22	23065980	23066264	20755	intron (NM_131463, intron 7 of 11)	NM_131463	nr5a2	1.646715745	4.920561759	-3.273846014	0.000305
peak_4282	chr13	14786741	14788672	2468	intron (NM_001115095, intron 3 of 14)	NM_001115095	cdc25	7.370929672	10.64503246	-3.274102791	2.59E-13
peak_6112	chr24	40345215	40346080	-15157	Intergenic	NM_130992	nog2	7.121581082	10.39692223	-3.27534115	3.16E-11
peak_7055	chr16	4534192	4534854	-107742	Intergenic	NM_001110349	vegfaa	5.19726529	8.472873465	-3.275608176	1.93E-10
peak_4472	chr5	19283174	19283847	-275477	Intergenic	NM_001100015	chfr	6.705567892	9.981208148	-3.275640256	4.98E-13
peak_22692	chr5	19229759	19229990	-329113	Intergenic	NM_001100015	chfr	1.787481669	5.063468729	-3.27598706	0.000147
peak_4325	chr8	10724267	10724998	190028	Intergenic	NM_001077391	zgc:153997	5.706187427	8.982475275	-3.276287848	2.92E-13
peak_15653	chr3	20333014	20333392	-325576	Intergenic	NM_194417	sepw2a	2.537128982	5.813531007	-3.276402025	2.92E-06
peak_6923	chr14	26923297	26923742	21201	Intergenic	NM_199956	g3bp1	4.719649537	7.996470793	-3.276821256	1.48E-10
peak_3614	chr20	21484800	21486424	22256	intron (NM_131862, intron 2 of 25)	NM_131862	jag2b	6.797968582	10.07512564	-3.27715706	2.39E-14
peak_7605	chr24	20533519	20534170	91425	Intergenic	NM_001077372	zgc:153639	5.274440172	8.551611776	-3.277171604	5.12E-10
peak_5785	chr8	26844187	26844890	-10901	Intergenic	NM_001044985	si:dkey-72l14.3	5.146540944	8.423949314	-3.277408371	1.45E-11
peak_15058	chr13	22114208	22114533	148062	Intergenic	NM_001145707	zswim8	1.66069094	4.938358108	-3.277667167	1.89E-06
peak_19428	chr5	58294711	58295169	38991	Intergenic	NM_001007340	ppm1db	3.186367739	6.464124348	-3.277756609	2.97E-05
peak_16759	chr2	41956004	41956373	5970	intron (NM_182864, intron 1 of 6)	NM_182864	keap1a	2.075829856	5.353702421	-3.277872566	6.17E-06
peak_12006	chr11	24735910	24736416	3171	intron (NM_001145767, intron 1 of 29)	NM_001145767	nfasca	3.713796698	6.991689568	-3.27789287	1.35E-07
peak_14714	chr6	37353982	37354550	-2474	Intergenic	NM_001005400	cthl	4.791456694	8.069581382	-3.278124688	1.47E-06
peak_16779	chr7	70824607	70825020	134901	Intergenic	NM_001100142	phlpp2	2.31603542	5.594775491	-3.278740071	6.24E-06
peak_7727	chr3	30315254	30315913	-6069	Intergenic	NM_001172398	si:ch211-152f23.1	4.815860363	8.095209	-3.279348637	6.31E-10
peak_8116	chr23	10239471	10239866	-13763	Intergenic	NM_001111167	zgc:171775	3.215200887	6.494628145	-3.279427258	1.18E-09
peak_5901	chr5	21295863	21297432	19116	Intergenic	NM_001007349	mvk	6.23021468	9.509802799	-3.279588119	1.89E-11
peak_7087	chr18	20027625	20028245	20417	intron (NM_131012, intron 9 of 20)	NM_131012	gro2	4.135913813	7.4157851	-3.279871286	2.05E-10
peak_25168	chr3	4511527	4511853	336072	intron (NM_001114711_1, intron 6 of 6)	NM_001130791	plbd1	0.625495796	3.905857763	-3.280361967	0.000412
peak_14480	chr24	10096935	10097157	-6807	Intergenic	NM_213142	otulina	1.967238845	5.247841323	-3.280602478	1.24E-06
peak_7175	chr5	57670560	57670984	-7256	Intergenic	NM_131207	lhx1b	4.438945476	7.719945978	-3.281000503	2.40E-10
peak_13536	chr18	40021521	40021944	27945	Intergenic	NM_131511	fzd9b	3.735417151	7.016419455	-3.281002303	5.70E-07
peak_30123	chr5	58726392	58726668	-35989	Intergenic	NM_199934	atp6v1g1	-0.360322949	2.920768493	-3.281091442	0.002097
peak_41880	chr17	14067138	14068075	259001	Intergenic	NM_200482	jkamp	-0.360322949	2.92106235	-3.281385299	0.024255
peak_29916	chr17	29711283	29711585	225012	Intergenic	NM_212954	esrrga	0.625495796	3.906900145	-3.281404349	0.001977
peak_13590	chr16	31440451	31441025	-3724	Intergenic	NR_029995		4.239846886	7.521654388	-3.281807502	5.99E-07
peak_15395	chr24	23488011	23488470	120834	Intergenic	NM_001199998	si:dkey-7n6.2	3.484950298	6.767332447	-3.282382148	2.41E-06
peak_10866	chr23	38826725	38827321	-219045	Intergenic	NM_001080609	sall4	3.350931353	6.633419662	-3.282488309	4.24E-08
peak_20178	chr1	39831871	39832486	-74558	intron (NM_001076657, intron 1 of 2)	NM_130968	tenm3	2.215200887	5.498027485	-3.282826598	4.54E-05
peak_27579	chr5	2690583	2690875	-107733	Intergenic	NM_201167	hpda	-0.360322949	2.922518595	-3.282841544	0.000952
peak_23761	chr6	38925466	38925725	10402	intron (NM_001159985, intron 1 of 8)	NM_001159985	vdrb	1.618352549	4.901293833	-3.282941284	0.000232
peak_3667	chr13	13110959	13112785	43755	intron (NM_131606, intron 5 of 15)	NM_131606	fgfr3	7.642113319	10.92597925	-3.283865928	2.97E-14
peak_6511	chr22	32888335	32888836	-131664	intron (NM_199663, intron 5 of 17)	NM_131237	mxi1	3.636144784	6.920380451	-3.284235666	6.89E-11
peak_11470	chr5	73989319	73989667	48654	Intergenic	NM_001017876_1	fsip1	2.636144784	5.921049363	-3.284904579	7.99E-08
peak_19547	chr5	22901538	22902060	17946	intron (NM_001039926, intron 1 of 1)	NM_001039926	hs3st1l2	2.986785331	6.272380562	-3.285595231	3.18E-05
peak_8921	chr24	38064061	38064773	113422	Intergenic	NM_001002675	ccr10	4.027956891	7.31376231	-3.285805419	3.77E-09
peak_19038	chr2	15071167	15071572	73928	Intergenic	NM_001006023	tecrl2	3.030649868	6.317079146	-3.286429278	2.43E-05
peak_7784	chr24	20286075	20286743	-18905	Intergenic	NM_199619	csrnp1b	4.763304282	8.05058811	-3.287283827	6.77E-10
peak_4317	chr21	17946782	17947815	61265	Intergenic	NM_001002475	nkx6.1	6.208641113	9.495960771	-3.287319657	2.86E-13
peak_6192	chr17	11767078	11767510	154289	intron (NM_001037400, intron 5 of 11)	NM_001037400	smyd3	4.157090365	7.444495547	-3.287405182	3.69E-11
peak_26689	chr9	34096994	34098055	17706	Intergenic	NM_001111242	zgc:172053	-0.360322949	2.92720504	-3.287527989	0.000698
peak_8575	chr13	18875963	18876938	7801	intron (NM_001145606, intron 2 of 4)	NM_001145606	lzts2a	5.605713446	8.893438035	-3.287724589	2.30E-09
peak_20633	chr19	36891126	36891626	18528	Intergenic	NM_001020633	ndufs5	4.055985516	7.344243587	-3.288258071	5.68E-05
peak_16340	chr9	45403294	45403643	-42741	Intergenic	NM_130978	neurod	2.42263522	5.71093454	-3.28829932	4.72E-06
peak_24728	chr1	39708817	39709265	27398	Intergenic	NR_030668		2.784293744	6.073567921	-3.289274177	0.000349
peak_7382	chr21	8009459	8010088	3329	intron (NM_001045299, intron 1 of 12)	NM_001045299	crb2a	5.828705587	9.118391179	-3.289685592	3.51E-10
peak_10092	chr2	38937521	38937982	125111	intron (NM_001159839, intron 1 of 16)	NM_001159839	clstn2	3.496684491	6.786635908	-3.289951417	1.72E-08
peak_4992	chr25	17334890	17336753	8234	intron (NM_001089445, intron 3 of 4)	NM_001089445	ccnd2a	6.152116443	9.442068915	-3.289952472	2.20E-12
peak_9479	chr11	43164505	43166091	-61712	Intergenic	NM_001105592	her15.2	5.137200293	8.427312161	-3.290111867	8.15E-09
peak_34347	chr3	58212536	58212896	27131	Intergenic	NM_199950	socs3a	-0.360322949	2.930025683	-3.290348632	0.005979
peak_13986	chr25	29366755	29367169	-89335	Intergenic	NM_001098391	tmem17	2.981227592	6.271601163	-3.290373571	8.30E-07
peak_3947	chr23	10157290	10158462	-95555	Intergenic	NM_001111167	zgc:171775	7.016765204	10.30747209	-3.290706888	8.39E-14
peak_6890	chr14	44401971	44402931	-6850	Intergenic	NM_001115099	pcdh18b	5.55360634	8.84437765	-3.290771309	1.39E-10
peak_19711	chr17	42912487	42912941	-16941	Intergenic	NM_131422	nkx2.2a	3.057306726	6.348726124	-3.291419398	3.49E-05
peak_18147	chr24	11342356	11342642	-64300	intron (NM_205728, intron 8 of 14)	NM_213449	prpf4bb	2.363802745	5.655330402	-3.291527657	1.48E-05
peak_9910	chr22	40491292	40491776	-28306	Intergenic	NM_200761	dnajc19	3.164465597	6.456020939	-3.291555342	1.42E-08
peak_8031	chr14	32917929	32918281	25954	Intergenic	NM_001001837	zic6	2.806462687	6.098287235	-3.291824548	1.00E-09
peak_4799	chr24	14255846	14257071	-99079	intron (NM_131777, intron 5 of 21)	NM_001163831	prdm14	6.087497353	9.379539834	-3.292042481	1.25E-12
peak_4143	chr5	70819838	70821293	18679	intron (NM_131414, intron 4 of 16)	NM_131414	ephb4a	7.021690319	10.31383851	-3.292148187	1.64E-13
peak_17531	chr10	33428063	33428665	20731	intron (NM_201069, intron 3 of 14)	NM_201069	uvrag	2.751830549	6.044284896	-3.292454346	9.98E-06
peak_12858	chr22	2595987	2596381	4718	Intergenic	NM_001044327	zgc:101130	2.886118348	6.179237081	-3.293118733	3.03E-07
peak_8278	chr13	5718333	5719045	40629	Intergenic	NM_130955	dld	4.555944961	7.849106662	-3.293161701	1.54E-09
peak_8929	chr9	46861960	46862715	-45164	Intergenic	NM_001005956	twist2	5.507840903	8.801215122	-3.293374218	3.81E-09
peak_5128	chr19	2585111	2585972	-39396	Intergenic	NM_213241	sp8a	5.752286092	9.045833445	-3.293547353	3.21E-12
peak_8059	chr5	41752303	41752835	83008	Intergenic	NM_001100034	si:dkey-193c22.1	3.676353226	6.970071838	-3.293718612	1.07E-09
peak_9615	chr2	40076769	40077466	-4782	Intergenic	NM_153658	epha4b	3.974250173	7.268069683	-3.29381951	9.74E-09
peak_20209	chr25	8772378	8772794	-13219	Intergenic	NR_029997		2.862128275	6.156133585	-3.294005309	4.61E-05
peak_7827	chr6	11815316	11815767	-92481	intron (NM_001099261, intron 2 of 2)	NM_001114580	Mar-07	3.033337828	6.327577718	-3.29423989	7.28E-10
peak_5611	chr2	1607254	1608021	105906	intron (NM_200739, intron 3 of 3)	NM_200739	exosc4	5.507869092	8.802200824	-3.294331732	1.01E-11
peak_8022	chr8	54503412	54504457	4780	intron (NM_131296, intron 3 of 12)	NM_131296	tcf7l1b	5.717144084	9.011501174	-3.29435709	9.88E-10
peak_4256	chr8	34176060	34176866	53492	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	6.649809955	9.944245474	-3.294435519	2.36E-13
peak_5439	chr19	39145306	39145974	-23599	Intergenic	NM_001122760	thsd7a	5.481973078	8.777590596	-3.295617517	6.65E-12
peak_5306	chr2	35532139	35532802	-42605	Intergenic	NM_001201444	dhx9	4.521841655	7.817928134	-3.296086478	4.88E-12
peak_6388	chr17	17480243	17480806	105907	intron (NM_001123049, intron 2 of 9)	NM_001123049	adck1	5.446527893	8.742661097	-3.296133205	5.42E-11

peak_26284	chr25	3996464	3996953	-47631	Intergenic	NM_200769	tmem258	1.205700064	4.501876681	-3.296176617	0.000606
peak_6916	chr15	3277060	3277609	84619	Intergenic	NM_001098750	stoml3a	3.728799148	7.025752446	-3.296953299	1.46E-10
peak_21043	chr5	24839702	24840114	18691	Intergenic	NM_001198771	tbx5b	3.006230172	6.303464489	-3.297234317	6.85E-05
peak_9952	chr16	12637572	12638567	93154	Intergenic	NM_131602	dedd1	4.917096733	8.214341481	-3.297244748	1.48E-08
peak_7264	chr9	3284507	3285362	5991	intron (NM_001004572, intron 4 of 10)	NM_001004572	hat1	5.165078501	8.46294129	-3.297862789	2.86E-10
peak_16441	chr24	3187202	3187527	26818	Intergenic	NM_212751	fam69c	1.618352549	4.916218214	-3.297865665	5.07E-06
peak_5299	chr11	29115991	29117361	21695	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	5.928332165	9.22627355	-3.297941385	4.85E-12
peak_18409	chr16	35597584	35597907	120226	Intergenic	NM_001020635	rragca	1.205700064	4.503702156	-3.298002092	1.70E-05
peak_20950	chr9	32306590	32307146	4488	TTS (NM_205727)	NM_205727	zic5	3.124540972	6.422596966	-3.298055995	6.53E-05
peak_11282	chr9	30784892	30785211	80190	intron (NM_001077576, intron 8 of 13)	NM_200271	rnaseh2b	2.529533336	5.827690924	-3.298157588	6.51E-08
peak_5698	chr10	30821996	30822559	-11355	Intergenic	NM_001020556	lim2.1	4.707870942	8.006103877	-3.298232935	1.19E-11
peak_25844	chr7	38665907	38666649	-103159	Intergenic	NM_001146014	sall1a	3.250281917	6.548683806	-3.298401889	0.000521
peak_8237	chr4	21386694	21387523	-28730	Intergenic	NM_200791	zgc:73329	4.974990219	8.273887148	-3.298896929	1.42E-09
peak_10538	chr7	26959665	26960204	-13948	Intergenic	NM_001037684	mtm1	3.730456497	7.02975951	-3.299303013	2.84E-08
peak_18234	chr2	932170	932664	-28905	Intergenic	NM_001243344	foxq1a	3.073219981	6.372985214	-3.299765233	1.55E-05
peak_5040	chr14	37728132	37729556	-71236	Intergenic	NM_001110281	aga	6.375064497	9.675682964	-3.300618466	2.46E-12
peak_6862	chr6	42778559	42779064	27117	intron (NM_001014822, intron 1 of 17)	NM_001014822	sema3fa	4.773790299	8.074912089	-3.30112179	1.31E-10
peak_10781	chr24	31530341	31530728	78229	Intergenic	NM_201451	hccs	3.432850718	6.734071386	-3.301220668	3.78E-08
peak_20246	chr19	41813715	41814074	1821	exon (NM_001040096, exon 3 of 5)	NM_001040096	tfpi2	2.912638768	6.214135606	-3.301496838	4.69E-05
peak_10579	chr2	42931707	42932417	33530	intron (NM_001143752, intron 5 of 15)	NM_001143752	adcy8	3.669457996	6.971065331	-3.301607335	2.99E-08
peak_23437	chr9	1752946	1753556	16427	intron (NM_001017554_2, intron 1 of 17)	NM_001017554		2.363802745	5.665545363	-3.301742617	0.000201
peak_20017	chr23	2373647	2374163	-61425	Intergenic	NM_131230	tcp1	2.828296123	6.13078596	-3.302489836	4.16E-05
peak_6724	chr7	51215734	51216648	43434	Intergenic	NM_131231	ascl1b	5.04407874	8.346863585	-3.302784844	1.04E-10
peak_19913	chr5	6561851	6562380	49665	Intergenic	NM_001013333	zgc:110796	1.984009138	5.286905981	-3.302896843	3.91E-05
peak_38783	chr18	26773029	26773353	-262	promoter-TSS (NM_001081497)	NM_001081497	si:dkey-24l11.1	-0.360322949	2.942748453	-3.303071402	0.014704
peak_6305	chr24	28504121	28506425	86532	intron (NM_131095, intron 8 of 16)	NM_131095	ek1	6.300959118	9.604394759	-3.303435641	4.57E-11
peak_16493	chr12	9678532	9678939	33822	Intergenic	NM_131146	cyp26a1	2.471023015	5.774856052	-3.303833036	5.24E-06
peak_7148	chr3	31406641	31407160	-97344	Intergenic	NM_001080044	smg1	3.725478726	7.029343129	-3.303864403	2.27E-10
peak_21439	chr24	28416397	28416799	-2143	Intergenic	NM_131095	ek1	3.006230172	6.310292605	-3.304062433	8.29E-05
peak_7690	chr3	41880279	41881067	-31608	Intergenic	NM_130971	lfng	5.73706692	9.041131203	-3.304064283	5.87E-10
peak_5953	chr1	51377635	51378428	-30549	Intergenic	NM_001099240	zgc:154142	5.194866279	8.499483156	-3.304616877	2.11E-11
peak_28041	chr17	52582889	52583120	37441	Intergenic	NM_194386	tgfb3	0.625495796	3.930482948	-3.304987152	0.001118
peak_22697	chr17	38137853	38138145	37743	exon (NM_001077519, exon 8 of 30)	NM_001077519	plekhh1	1.451058288	4.756123504	-3.305065216	0.000148
peak_5871	chr6	44732781	44733401	-399809	Intergenic	NM_001256392	pdzrn3b	5.24745839	8.552715249	-3.305256859	1.78E-11
peak_7853	chr5	20634772	20635157	46267	intron (NM_201009, intron 11 of 18)	NM_201009	aacs	3.09910867	6.405185902	-3.306077232	7.48E-10
peak_28820	chr8	52118313	52118663	79249	Intergenic	NM_001024445	agtpbp1	1.825197218	5.13150949	-3.306312272	0.001428
peak_5965	chr7	47642076	47642726	12808	Intergenic	NM_130995	ccne1	5.610221378	8.916611371	-3.306389993	2.16E-11
peak_13322	chr6	31314322	31314753	254296	Intergenic	NM_131073	jak1	2.708761012	6.015646833	-3.306885821	4.73E-07
peak_5765	chr7	68158621	68159767	180081	Intergenic	NM_001110471	parvab	4.097825209	7.404743551	-3.306918342	1.39E-11
peak_18992	chr8	49158539	49159402	63265	intron (NM_001123282, intron 7 of 12)	NM_001123282	espn	3.750292903	7.057740845	-3.307447943	2.37E-05
peak_23771	chr24	17785219	17785700	-20453	Intergenic	NM_001008734	commd3	3.742100794	7.049582902	-3.307482108	0.000233
peak_24102	chr5	51806734	51807382	14489	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	3.822182324	7.129946299	-3.307763974	0.000269
peak_27670	chr10	20308820	20309213	81866	Intergenic	NM_001083571	sfrp1b	2.091390725	5.399274056	-3.307883331	0.000981
peak_10225	chr19	36807395	36807928	102243	Intergenic	NM_001020633	ndufs5	3.653720264	6.961676322	-3.307956057	2.00E-08
peak_15300	chr14	27712040	27712666	1564	TTS (NM_131041)	NM_131041	neurog1	3.022555809	6.330787687	-3.308231878	2.27E-06
peak_10780	chr7	68166482	68167093	172488	Intergenic	NM_001110471	parvab	2.818979367	6.127261212	-3.308281845	3.78E-08
peak_8845	chr24	8278896	8279527	28621	Intergenic	NM_001039995	slc35b3	4.433868301	7.742380783	-3.308512482	3.40E-09
peak_31576	chr21	22201606	22202098	-40308	Intergenic	NM_200141	zw10	-0.360322949	2.948313915	-3.308636864	0.003062
peak_35568	chr15	29586854	29587139	47386	intron (NM_001113485, intron 2 of 11)	NM_001113485	nlk2	-0.360322949	2.948340658	-3.308663607	0.007781
peak_29237	chr14	48667793	48668158	57616	Intergenic	NM_201014	rom1b	0.625495796	3.934313493	-3.308817698	0.00163
peak_7875	chr11	19184242	19184660	54892	Intergenic	NM_001114429	zgc:175264	3.036020788	6.345223761	-3.309202972	7.78E-10
peak_6171	chr6	11148075	11148904	-12501	Intergenic	NM_001083031	atg9a	6.038698769	9.348359314	-3.309660545	3.53E-11
peak_8042	chr1	47895052	47895533	6715	exon (NM_001005604, exon 2 of 8)	NM_001005604	bcl9	3.449046535	6.758995476	-3.309948941	1.03E-09
peak_3993	chr4	5531973	5532800	-7155	Intergenic	NM_001030113	rsph9	6.007537912	9.317512186	-3.309974275	1.03E-13
peak_11837	chr5	42398419	42399520	-39812	Intergenic	NM_130962	isl1	5.282935715	8.593104938	-3.310169223	1.14E-07
peak_5806	chr11	40452262	40452926	-16032	Intergenic	NM_001040387	wnt4a	4.7428742	8.053128205	-3.310254005	1.51E-11
peak_8535	chr12	2205057	2205567	-47949	Intergenic	NM_131643	sox9a	4.315971024	7.626680362	-3.310709338	2.20E-09
peak_7940	chr21	9234281	9234820	-40811	intron (NM_001080201, intron 1 of 5)	NM_001077300	cplx4a	4.979875451	8.290670463	-3.310795012	8.67E-10
peak_4196	chr8	10721464	10722198	192829	Intergenic	NM_001077391	zgc:153997	6.314038005	9.624906708	-3.310868702	1.97E-13
peak_21967	chr16	475681	475981	-77057	Intergenic	NM_131755	slc6a3	1.205700064	4.516875762	-3.311175698	0.000107
peak_14481	chr13	29950135	29950714	-44137	Intergenic	NM_131184	pax2a	3.208081142	6.519279479	-3.311198337	1.24E-06
peak_34576	chr23	23401380	23401688	72025	Intergenic	NM_001003830	noc2l	0.944570835	4.255783221	-3.311212386	0.006295
peak_21606	chr7	29664850	29665560	74949	Intergenic	NM_001045089	stk33	4.008963973	7.320762171	-3.311798198	9.03E-05
peak_26325	chr13	27424221	27424515	-98236	Intergenic	NM_001076727	slc17a5	-0.360322949	2.951727443	-3.312050392	0.000616
peak_15011	chr2	25904727	25904979	-60220	intron (NM_199703, intron 6 of 30)	NM_001042721	slc2a2	1.787481669	5.099731647	-3.312249978	1.81E-06
peak_22914	chr16	32948021	32948402	40225	Intergenic	NM_001013340	fam210a	1.459077363	4.771386982	-3.312309619	0.000162
peak_12327	chr10	32518118	32518770	-65248	Intergenic	NM_131482	robo3	4.012975542	7.325495216	-3.312519674	1.84E-07
peak_4089	chr10	22268106	22268744	-11315	Intergenic	NM_170766	tlx3b	5.777024883	9.089717442	-3.312692559	1.37E-13
peak_8467	chr6	20373481	20374324	-68873	Intergenic	NM_178131	scinla	4.487892806	7.800673982	-3.312781175	2.01E-09
peak_14403	chr25	1420899	1421258	214130	Intergenic	NM_213027	zgc:73185	2.31603542	5.629377408	-3.313341988	1.16E-06
peak_19504	chr2	26175631	26176388	-26713	Intergenic	NM_001002624	cldn11a	4.138485627	7.452334496	-3.313848869	3.10E-05
peak_8545	chr13	49793689	49794625	-68304	Intergenic	NM_001003463	ntpcr	5.342317797	8.656450898	-3.314133101	2.22E-09
peak_15684	chr16	32953274	32953883	45592	Intergenic	NM_001013340	fam210a	2.702019304	6.016363673	-3.314344369	3.02E-06
peak_18694	chr18	23878036	23878320	-219113	Intergenic	NM_131183	nr2f2	2.355234589	5.669908459	-3.31467387	1.99E-05
peak_5796	chr5	50897302	50897950	-85906	Intergenic	NM_001201438	si:dkey-172m14.:	4.30822336	7.623124323	-3.314900963	1.50E-11
peak_16452	chr14	1470914	1471234	53518	intron (NM_001289886, intron 1 of 6)	NM_001289886	trpc7b	2.570823028	5.885955649	-3.315132621	5.10E-06
peak_28311	chr23	29864695	29865022	45756	intron (NM_001077784, intron 2 of 16)	NM_001077784	clstn1	1.618352549	4.934182306	-3.315829757	0.001214
peak_6005	chr21	16434087	16434593	33661	intron (NM_001161551, intron 4 of 8)	NM_001003561	stx2a	4.125874362	7.442136531	-3.316262169	2.37E-11
peak_9072	chr13	17482246	17482699	30863	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	3.877168754	7.194120139	-3.316951384	4.66E-09
peak_17817	chr7	40096901	40097259	9579	3' UTR (NM_001020702, exon 11 of 11)	NM_001020702	fbxo3	2.455073397	5.772040285	-3.316966888	1.21E-05
peak_14567	chr20	360202	360546	10496	intron (NM_001029969, intron 1 of 13)	NM_001029969	fynb	1.66069094	4.977937409	-3.317246468	1.31E-06
peak_7199	chr4	2337299	2337788	-15513	Intergenic	NM_001128382	zdhhc17	3.280142431	6.59756245	-3.317420019	2.54E-10
peak_17467	chr5	71979814	71980407	30206	Intergenic	NM_001105699	zgc:171967	3.363802745	6.681383781	-3.317581036	9.56E-06
peak_6048	chr13	29965836	29966441	-28423	Intergenic	NM_131184	pax2a	5.464593781	8.782182296	-3.317588514	2.68E-11
peak_18760	chr17	29885894	29886305	50347	intron (NM_212954, intron 4 of 5)	NM_212954	esrrga	3.057306726	6.375048243	-3.317741517	2.06E-05
peak_17174	chr21	28176891	28177283	35423	intron (NM_001003543, intron 6 of 7)	NM_001003543	zgc:100829	2.533336158	5.851377061	-3.318040903	7.87E-06
peak_23326	chr4	56057846	56058170	444056	Intergenic	NM_001111199	zgc:173710	0.234016866	3.55215087	-3.318134004	0.000192
peak_5405	chr15	18985680	18986899	34559	Intergenic	NM_001017764	zgc:112083	6.256705796	9.575052196	-3.3183464	6.02E-12
peak_33316	chr23	16791884	16792152	60886	Intergenic	NM_212691	sdcbp	-0.360322949	2.958064507	-3.318387456	0.00472
peak_13904	chr25	2792726	2793176	-130050	Intergenic	NM_001079965	adpgk	2.552201346	5.870721461	-3.318520115	7.76E-07
peak_7745	chr15	31948426	31949009	-21008	Intergenic	NM_001007062	mag	5.02454418	8.343146417	-3.318602237	6.44E-10
peak_8508	chr14	34435664	34436508	20427	Intergenic	NM_001013533	lamp2	4.069219889	7.388173808	-3.31895392	2.12E-09
peak_10161	chr5	48044478	48045440	71686	Intergenic	NM_001007790	hapln1a	5.69726716	9.016685959	-3.319418799	1.86E-08
peak_5542	chr8	29848010	29848656	99602	intron (NM_001004123, intron 2 of 15)	NM_001004123	grid2	4.541856033	7.861315447	-3.319459414	8.54E-12
peak_32716	chr13	53353037	53353692	52867	Intergenic	NM_200969	sncb	2.200926086	5.520865345	-3.319939259	0.00411
peak_31607	chr21	25118917	25119316	2195	TTS (NM_131767)	NM_131767	cldnh	-0.360322949	2.95973677	-3.320059719	0.003089
peak_8030	chr1	46659796	46660248	-31418	Intergenic	NM_001037662	sox1b	3.875671743	7.195749121	-3.320077378	1.00E-09
peak_14942	chr2	14899632	14899970	-21545	Intergenic	NM_001017728	f3b	2.122017822	5.442167979	-3.320150157	1.72E-06
peak_4852	chr23	38514150	38515956	262113	Intergenic	NM_001020707	zgc:112994	6.721930235	10.04234181	-3.320411571	1.51E-12
peak_9468	chr5	21479338	21479785	-15778	Intergenic	NM_001126454	fam222a	2.886118348	6.206654018	-3.32053567	8.02E-09
peak_7413	chr13	6557572	6558430	87611	Intergenic	NM_001025502	h2afy2	4.821359569	8.142485073	-3.321125504	3.72E-10
peak_17037	chr22	24814621	24815218	140241	intron (NM_001017710, intron 5 of 7)	NM_001003617	nek7	3.703609243	7.02491105	-3.321301807	7.18E-06
peak_13730	chr5	45253432	45253782	47905	intron (NM_001126415, intron 3 of 11)	NM_001126415	si:dkey-40c11.1	2.200926086	5.522317957	-3.32139187	6.68E-07
peak_10423	chr25	15243307	15243873	66806	Intergenic	NM_131304	pax6a	3.727139892	7.048536962	-3.32139707	2.51E-08
peak_34842	chr15	8012088	8012321	235570	intron (NM_001113555, intron 1 of 9)	NM_001113555	cadm2b	-0.360322949	2.961154449	-3.321477398	0.006621

peak_9697	chr13	18300620	18301172	-55981	Intergenic	NM_205549	slc25a16	4.929456927	8.251417237	-3.321960309	1.08E-08
peak_7844	chr6	56586404	56587134	467392	Intergenic	NM_001008576_1	tfap2c	4.36172786	7.683742909	-3.32201505	7.41E-10
peak_16972	chr11	19769912	19770188	-84563	Intergenic	NM_183343	prickle2	1.426730103	4.748921188	-3.322191085	6.93E-06
peak_25128	chr13	10855667	10856041	237944	intron (NM_001197201, intron 4 of 14)	NM_001197201	akt3a	-0.360322949	2.961915242	-3.322238191	0.000406
peak_4454	chr1	54566679	54567315	-13231	Intergenic	NM_130954	dla	6.293674464	9.616416139	-3.322741675	4.75E-13
peak_11790	chr10	44721945	44722360	54675	intron (NM_214688, intron 10 of 14)	NM_214688	vcanb	2.632603848	5.955489844	-3.322885996	1.08E-07
peak_6016	chr22	25034339	25035349	-40464	Intergenic	NM_001099256	si:dkey-121a9.3	5.407602421	8.730995783	-3.323393362	2.45E-11
peak_12811	chr18	23544337	23545054	114370	Intergenic	NM_131183	nr2f2	4.113225998	7.436750016	-3.323524017	2.92E-07
peak_8761	chr22	32472199	32472653	-93258	Intergenic	NM_198978	pdcd4b	2.970047467	6.293645932	-3.323598465	2.97E-09
peak_10478	chr22	38788113	38788877	396850	Intergenic	NM_001113587	hykk.2	3.512183079	6.835798623	-3.323615545	2.67E-08
peak_4137	chr18	48160602	48161974	61437	Intergenic	NM_001007334	yif1b	7.67180679	10.99545031	-3.323643521	1.61E-13
peak_21712	chr12	37004223	37004472	45795	Intergenic	NM_213304	socs3b	0.234016866	3.557778876	-3.32376201	9.44E-05
peak_16950	chr21	9241433	9241850	-33720	intron (NM_001080201, intron 1 of 5)	NM_001077300	cplx4a	2.614767619	5.938540997	-3.323773378	6.86E-06
peak_14296	chr8	25634419	25634956	33879	Intergenic	NM_001080599	slc16a4	4.234085025	7.558295205	-3.32421018	1.06E-06
peak_9986	chr4	18076064	18076966	25501	Intergenic	NM_001030186	lepb	5.195501409	8.520280035	-3.324778626	1.54E-08
peak_17832	chr24	4952635	4953067	100601	Intergenic	NM_130933	zic1	1.967238845	5.29212824	-3.324889395	1.23E-05
peak_3469	chr8	3306378	3307864	55131	Intergenic	NM_001040010	lhx2b	7.66291302	10.98783358	-3.324920562	1.32E-14
peak_8881	chr5	28130160	28130809	7318	intron (NM_001128534, intron 1 of 15)	NM_001128534	arvcfb	4.648521206	7.973782562	-3.325261356	3.54E-09
peak_30863	chr20	35585538	35586040	77111	Intergenic	NM_001128727	mep1a.2	-0.360322949	2.965355377	-3.325678326	0.002534
peak_8069	chr11	34373327	34373839	81248	Intergenic	NM_001024389	lims1	4.002039684	7.328337014	-3.32629733	1.09E-09
peak_29497	chr6	31413369	31413951	303710	Intergenic	NM_201025	pgm1	-0.360322949	2.966061635	-3.326384584	0.001756
peak_3820	chr7	76582023	76583367	-13197	Intergenic	NM_001290417	znf219	7.089597365	10.4161572	-3.326559836	5.50E-14
peak_7636	chr14	33585019	33586113	-33755	Intergenic	NM_001039135	inppl1b	6.279593031	9.606578467	-3.326985436	5.44E-10
peak_30743	chr13	48031493	48032239	-796	promoter-TSS (NM_205625)	NM_205625	lhcgr	-0.360322949	2.967223393	-3.327546342	0.002454
peak_30744	chr15	13419863	13420565	134813	Intergenic	NM_201179	sars2	-0.360322949	2.967223393	-3.327546342	0.002454
peak_6970	chr23	15683416	15683975	-242483	Intergenic	NM_001003833	sulf2b	4.219927938	7.547686599	-3.327758661	1.62E-10
peak_17998	chr6	43988654	43989241	-13336	Intergenic	NM_001012373	rybpb	3.057306726	6.385662143	-3.328355417	1.37E-05
peak_30238	chr8	5575327	5575744	-138189	Intergenic	NM_001012242	bnip3la	1.646715745	4.97526932	-3.328553575	0.002164
peak_16013	chr7	37321477	37321752	-156671	Intergenic	NM_001045227	irx5a	1.215200887	4.543963814	-3.328762927	3.80E-06
peak_5968	chr22	40115945	40116551	219436	Intergenic	NM_213118	sox2	5.384569	8.714704074	-3.330135074	2.16E-11
peak_14937	chr6	19221066	19221613	9387	intron (NM_001017556, intron 2 of 8)	NM_001017556	rhbdl3	2.075829856	5.406344136	-3.33051428	1.72E-06
peak_14647	chr5	7536261	7536563	-92197	Intergenic	NM_001018130	crybb3	2.247969535	5.578716183	-3.330746648	1.40E-06
peak_6580	chr2	41477039	41477834	50963	intron (NM_001020567, intron 1 of 14)	NM_001020567	zgc:110158	4.775396789	8.106413037	-3.331016248	7.86E-11
peak_6364	chr7	16690325	16691093	53969	intron (NM_001017638, intron 9 of 9)	NM_131641	pax6b	5.216384103	8.547592539	-3.331208436	5.14E-11
peak_4863	chr18	48833595	48834354	6424	intron (NM_001045317, intron 1 of 4)	NM_001045317	mob2b	4.85293938	8.184302707	-3.331363328	1.56E-12
peak_23325	chr9	1895841	1896344	33797	Intergenic	NM_131125	hoxd3a	2.935977657	6.267880566	-3.331902909	0.000192
peak_4122	chr15	37573227	37574246	68818	intron (NM_131481, intron 1 of 28)	NM_131481	robo1	6.095897876	9.428003233	-3.332105357	1.52E-13
peak_15055	chr13	48983889	48984268	-197758	Intergenic	NM_001098262	zmp:0000001138	1.984009138	5.316410877	-3.332401739	1.89E-06
peak_10420	chr4	4768072	4768615	37484	Intergenic	NM_001013456	ndufa5	3.08363127	6.416433502	-3.332802231	2.50E-08
peak_4291	chr20	48820327	48821331	-31693	Intergenic	NM_205644	insm1a	6.061669132	9.394751375	-3.333082243	2.62E-13
peak_23892	chr11	42544548	42544944	-12366	Intergenic	NM_001005938	park7	2.116958245	5.450118436	-3.333160192	0.000246
peak_15250	chr3	22509596	22509930	23579	intron (NM_001045065, intron 14 of 23)	NM_001045065	scn4ab	1.825197218	5.158369773	-3.333172555	2.19E-06
peak_22210	chr23	23119967	23120461	169527	Intergenic	NM_212722	eno1a	2.363802745	5.697245255	-3.333442509	0.000119
peak_25363	chr25	15033842	15034275	78505	Intergenic	NM_200042	mpped2	3.572672044	6.906931172	-3.334259128	0.000442
peak_17696	chr4	6919114	6919892	-37262	Intergenic	NM_001201357	LOC798487	4.116958245	7.452201701	-3.335243457	1.12E-05
peak_14424	chr8	20560766	20561445	45375	Intergenic	NM_001123276	znf692	4.206891094	7.542274988	-3.335383894	1.19E-06
peak_12713	chr13	28402039	28402436	85221	intron (NM_001077778, intron 4 of 9)	NM_001077778	smap1	3.506390602	6.842092485	-3.335701883	2.67E-07
peak_10303	chr20	4291349	4292189	34775	Intergenic	NM_001076758	zgc:154018	5.569052694	8.904800076	-3.335747382	2.19E-08
peak_4271	chr15	13692739	13693412	47508	intron (NM_001012375, intron 1 of 8)	NM_001012375	numbl	5.129647348	8.465521524	-3.335874176	2.49E-13
peak_10806	chr7	37572405	37573094	-222013	Intergenic	NM_200105	aktip	3.268781826	6.60471645	-3.335934624	3.89E-08
peak_16509	chr4	16002570	16003036	-51568	Intergenic	NM_200304	strap	1.787481669	5.12375306	-3.336271391	5.30E-06
peak_6616	chr8	27323643	27324724	38563	Intergenic	NM_001040347	zgc:136971	5.854862259	9.191823624	-3.336961365	8.40E-11
peak_11080	chr4	7188304	7188895	5935	intron (NM_001025510, intron 2 of 2)	NM_001025510	ccdc3	3.088808875	6.42594595	-3.337137075	5.39E-08
peak_33565	chr15	19008937	19009760	57618	Intergenic	NM_001017764	zgc:112083	2.521897487	5.85949173	-3.337594243	0.004983
peak_5990	chr1	49071330	49071980	660503	Intergenic	NM_001115060	cxcl-c1c	5.51702045	8.855035084	-3.338014634	2.28E-11
peak_17526	chr13	26144245	26144696	67373	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	2.42263522	5.760820786	-3.338185567	9.96E-06
peak_7650	chr21	16020702	16021606	-27147	Intergenic	NM_001018132	barhl1b	4.821359569	8.159612893	-3.338253324	5.55E-10
peak_16799	chr14	27697535	27697883	16208	Intergenic	NM_131041	neurog1	1.944570835	5.282922607	-3.338351772	6.31E-06
peak_7794	chr17	53227590	53228080	-40969	Intergenic	NM_213232	spred1	3.921456318	7.260059668	-3.338603349	6.84E-10
peak_16824	chr15	43555749	43556144	24991	intron (NM_214806, intron 2 of 15)	NM_214806	gria4a	2.471023015	5.809632111	-3.338609095	6.38E-06
peak_6848	chr21	36664194	36665369	-72230	intron (NM_001007405_1, intron 7 of 11)	NM_001020559	zgc:110031	5.877499131	9.216129003	-3.338629872	1.29E-10
peak_9872	chr7	29261901	29262333	222446	Intergenic	NM_173219	lmo1	2.961605146	6.300235889	-3.338630743	1.36E-08
peak_15071	chr16	43335336	43335796	93792	Intergenic	NM_001002075	ccne2	2.570823028	5.909549527	-3.338726499	1.91E-06
peak_10189	chr9	3815408	3815956	-147325	Intergenic	NM_180973	sp5a	4.054740277	7.39406533	-3.339325053	1.93E-08
peak_16038	chr21	30595854	30596285	207690	Intergenic	NM_001098766	zgc:165573	2.31603542	5.655941984	-3.339906565	3.88E-06
peak_25315	chr7	7450523	7450855	-7242	Intergenic	NM_213311	pnp5a	-0.360322949	2.979832297	-3.340155246	0.000435
peak_4014	chr3	10648521	10649939	46431	Intergenic	NM_130983	nog1	6.627694885	9.968073819	-3.340378934	1.09E-13
peak_10639	chr23	28601737	28602404	-12168	Intergenic	NM_170762	neurod4	3.909801353	7.250422661	-3.340621308	3.27E-08
peak_8728	chr14	24513404	24513879	-55424	Intergenic	NM_001039461	med12	2.883141315	6.223950474	-3.340809159	2.87E-09
peak_4698	chr6	29438527	29439086	17887	Intergenic	NM_001002681	phb2b	4.727969758	8.068787243	-3.340817484	9.31E-13
peak_17121	chr25	35189060	35189443	13641	Intergenic	NM_131285	foxb1a	1.618352549	4.959384673	-3.341032124	7.60E-06
peak_7478	chr17	27204843	27205381	-3880	Intergenic	NM_001017678	ppie	4.09267992	7.433833804	-3.341153884	4.13E-10
peak_4384	chr14	28290228	28291144	479593	Intergenic	NM_001110457	klhl4	6.018791238	9.360087473	-3.341296235	3.67E-13
peak_10718	chr17	41663343	41663923	83975	Intergenic	NM_199658	insm1b	4.27219941	7.613863824	-3.341664413	3.52E-08
peak_19233	chr10	28945666	28946089	-42651	Intergenic	NM_001020535	ptrh2	2.533336158	5.875009198	-3.34167304	2.68E-05
peak_6822	chr9	31697349	31697983	-55690	Intergenic	NM_001109865	klf12b	4.190056257	7.531819835	-3.341763578	1.23E-10
peak_26074	chr19	34993796	34994120	-72666	Intergenic	NM_001076776	runx1t1	1.618352549	4.960182128	-3.341829579	0.000565
peak_21072	chr24	28563554	28564045	145058	intron (NM_131095, intron 11 of 16)	NM_131095	ek1	3.47113868	6.81418648	-3.3430478	6.95E-05
peak_16885	chr21	23945303	23945601	-132290	Intergenic	NM_001004630	sc5d	1.618352549	4.961559783	-3.343207233	6.62E-06
peak_13497	chr9	38705075	38705682	-101776	Intergenic	NM_001113576	pdia5	3.977126639	7.320385548	-3.343258909	5.54E-07
peak_10157	chr17	53441387	53442313	9286	intron (NM_131896_1, intron 6 of 6)	NM_131896_1	meis2a	4.579232317	7.922573767	-3.34334145	1.85E-08
peak_15609	chr16	23060030	23060546	41354	intron (NM_200628, intron 11 of 13)	NM_200628	skap2	2.537128982	5.880799277	-3.343670295	2.81E-06
peak_12335	chr7	41741779	41742368	121038	intron (NM_001128667, intron 11 of 22)	NM_001128667	ptprn2	4.385064505	7.728774155	-3.34370965	1.86E-07
peak_7607	chr18	8210542	8211046	-66409	Intergenic	NM_001002177	impdh1a	3.688341143	7.03213465	-3.343793506	5.15E-10
peak_5467	chr15	32948937	32949672	57806	Intergenic	NM_001127474	dckl1b	5.575982798	8.919978715	-3.343995917	7.15E-12
peak_9612	chr20	24643086	24643668	333468	Intergenic	NM_131459_1	pdgfra	4.145883885	7.490174432	-3.344290547	9.71E-09
peak_29872	chr3	35569311	35569643	-46896	Intergenic	NR_023338		1.984009138	5.328569803	-3.344560665	0.001953
peak_5731	chr9	2096703	2097304	85222	Intergenic	NM_199480	lnpa	4.975689123	8.32058066	-3.344891537	1.29E-11
peak_27881	chr5	21595224	21595934	21024	intron (NM_001042730, intron 4 of 14)	NM_001042730	trpv4	2.825197218	6.170343203	-3.345145984	0.00106
peak_19331	chr4	4745039	4745433	60591	Intergenic	NM_001013456	ndufa5	2.122017822	5.467529666	-3.345511844	2.82E-05
peak_16640	chr7	43446500	43447141	-166819	Intergenic	NM_131063	shha	3.535233816	6.88075174	-3.345517923	5.71E-06
peak_29539	chr6	49181834	49182313	-25683	Intergenic	NM_199210	ngf	2.329220506	5.675202637	-3.345982132	0.001777
peak_13483	chr2	48443165	48443588	26039	intron (NM_182857, intron 15 of 22)	NM_194400	hes6	1.639677051	4.986497369	-3.346820318	5.46E-07
peak_39006	chr18	48157855	48158285	58219	Intergenic	NM_001007334	yif1b	1.426730103	4.773755716	-3.347025613	0.015286
peak_24244	chr3	14312974	14313691	-59725	Intergenic	NM_001040248	nfixb	3.657311474	7.004496305	-3.347184832	0.000287
peak_12235	chr5	40461031	40461278	-25802	Intergenic	NM_001130840	fras1	1.646715745	4.993988217	-3.347272472	1.68E-07
peak_16902	chr25	30526497	30526886	-73200	Intergenic	NM_212987	ube2q2	2.42263522	5.769915288	-3.347280069	6.68E-06
peak_19519	chr7	64233359	64233664	1058471	Intergenic	NM_131287	sox17	1.243333623	4.59065295	-3.347319328	3.13E-05
peak_15627	chr3	13547888	13548106	-28970	Intergenic	NM_001018135	sun1	1.938847741	5.286189952	-3.347342211	2.86E-06
peak_7750	chr5	60674405	60674962	19680	Intergenic	NM_200378	zgc:64116	5.276143288	8.62381966	-3.347676372	6.48E-10
peak_16557	chr7	56009686	56010069	60051	intron (NM_001077575, intron 11 of 12)	NM_001077575	trip4	2.247969535	5.595840502	-3.347870966	5.44E-06
peak_9955	chr24	19022928	19023197	3716	exon (NM_001200062, exon 5 of 7)	NM_001200062	LOC100150965	2.096540606	5.44444301	-3.347902404	1.49E-08
peak_16783	chr3	26186926	26187261	17674	Intergenic	NM_001003467	socs1a	2.639677051	5.988136559	-3.348459508	6.25E-06
peak_6635	chr15	35440674	35441197	16101	Intergenic	NM_183070	sst1.1	4.981964068	8.331221169	-3.349257101	8.82E-11
peak_5154	chr17	42143933	42145078	36609	intron (NM_001098390, intron 11 of 14)	NM_001098390	zgc:162576	4.594783512	7.94412297	-3.349339458	3.41E-12

peak_18689	chr9	3307291	3307823	28614	intron (NM_001004572, intron 10 of 10)	NM_001004572	hat1	3.481017596	6.830741724	-3.349724128	1.98E-05
peak_7388	chr24	41329339	41329914	-55600	Intergenic	NM_001045408_1	zgc:153659	5.003451195	8.353247601	-3.349796406	3.54E-10
peak_10449	chr20	42524724	42525593	-44341	Intergenic	NM_001195281	tdrd6	4.783402514	8.133607532	-3.350205017	2.57E-08
peak_24040	chr11	22775764	22777028	32443	intron (NM_001199491, intron 1 of 17)	NM_001199491	foxp4	3.951610027	7.30224811	-3.350638083	0.000262
peak_6548	chr14	48048348	48048977	96633	Intergenic	NM_001080662	shisa3	5.655516986	9.006439303	-3.350922316	7.33E-11
peak_32442	chr11	22337248	22337578	80899	intron (NM_001048235, intron 2 of 22)	NM_001048235	srgap2a	-0.360322949	2.990887028	-3.351209977	0.003833
peak_4713	chr11	24473976	24474475	-217652	Intergenic	NM_001113489	kiss1	5.561103788	8.912320659	-3.351216871	9.72E-13
peak_15930	chr17	12367777	12367296	-5528	Intergenic	NM_001045342	emilin1b	1.984009138	5.335238071	-3.351228933	3.59E-06
peak_5501	chr11	22452716	22453141	33370	Intergenic	NM_001013545	zgc:101564	3.768153455	7.119612925	-3.35145947	7.63E-12
peak_8324	chr9	16389088	16389941	-88922	Intergenic	NM_200144	upp2	4.648470066	8.000249536	-3.35177947	1.64E-09
peak_3880	chr5	19100538	19101679	-457879	Intergenic	NM_001100015	chfr	7.727237599	11.07919801	-3.351960411	6.95E-14
peak_18077	chr23	8622302	8622797	-158448	Intergenic	NM_205589	oprl1	1.787481669	5.139556358	-3.352074689	1.42E-05
peak_6128	chr21	14208399	14209375	-76808	Intergenic	NM_131218	lhx5	6.06628909	9.418441666	-3.352152576	3.26E-11
peak_6769	chr7	25612615	25613381	27086	intron (NM_001100026, intron 21 of 25)	NM_001083839	nat8l	5.107423445	8.459591872	-3.352168427	1.12E-10
peak_25336	chr21	20321037	20321423	81430	Intergenic	NM_001014304	pvrl3b	1.426730103	4.779110379	-3.352380276	0.000438
peak_4480	chr1	40305761	40307482	39576	Intergenic	NM_001002448	ing2	7.214574373	10.56732891	-3.352754538	5.04E-13
peak_20007	chr5	41011909	41012466	67750	intron (NM_001044709, intron 16 of 16)	NM_001044709	antxr2a	3.259628487	6.612532444	-3.352903956	4.14E-05
peak_4525	chr15	27103588	27104310	-44712	Intergenic	NM_131216	lhx1a	5.2948114	8.648168847	-3.353357447	5.74E-13
peak_24361	chr18	22383211	22383926	-3355	Intergenic	NM_001135133	bcar1	4.28472755	7.638119488	-3.353391938	0.0003
peak_27079	chr9	38115625	38116029	-78318	Intergenic	NM_130967	gli2a	2.986785331	6.341035712	-3.354250381	0.000798
peak_5297	chr8	19418632	19419866	-1087	Intergenic	NM_001082819	rorca	5.967238845	9.32185809	-3.354619244	4.83E-12
peak_11144	chr10	2063448	2063936	-73609	Intergenic	NM_131092	oep	2.224639552	5.579537888	-3.354898336	5.74E-08
peak_7487	chr15	20354691	20355606	-44127	Intergenic	NR_030052		4.581017006	7.935933257	-3.354916251	4.24E-10
peak_21981	chr24	3392047	3392459	6676	intron (NM_001002062, intron 4 of 6)	NM_001002062	gyg1b	2.664163689	6.019167581	-3.355003892	0.000108
peak_14591	chr5	57904091	57904429	18778	Intergenic	NM_001102384	tbx2a	2.521897487	5.877155166	-3.355257679	1.33E-06
peak_5647	chr4	8981570	8982254	8142	intron (NM_001045158, intron 1 of 39)	NM_001045158	sbf1	5.075791826	8.431248212	-3.355456386	1.09E-11
peak_33000	chr11	46470544	46470900	-2370	Intergenic	NM_001017575	aspscr1	-0.360322949	2.995224995	-3.355547944	0.0044
peak_14762	chr6	3660678	3660906	17982	intron (NM_194419, intron 6 of 16)	NM_194419	gad1b	2.091390725	5.447083433	-3.355692708	1.53E-06
peak_18286	chr7	32943917	32944419	-168232	Intergenic	NM_001199362	cilp	2.935977657	6.292539241	-3.356561584	1.60E-05
peak_20109	chr8	29190390	29190948	4840	intron (NM_001002166, intron 4 of 26)	NM_001002166	kdm5bb	2.521897487	5.878549791	-3.356652304	4.39E-05
peak_26528	chr10	42276744	42277124	28474	intron (NM_001039812, intron 6 of 19)	NM_001039812	bmp1b	0.215200887	3.571862846	-3.356661959	0.00066
peak_8137	chr8	50585150	50585943	-176711	Intergenic	NM_001128741	zgc:195023	4.702814493	8.059663988	-3.356849495	1.21E-09
peak_9396	chr5	27211652	27212658	15519	Intergenic	NM_181758	anxa1a	5.484459296	8.841373582	-3.356914285	7.33E-09
peak_7202	chr13	26421293	26421773	344436	Intergenic	NM_001040391	bcl11aa	3.776199364	7.133938229	-3.357738865	2.57E-10
peak_19942	chr3	24333045	24333559	-18418	Intergenic	NM_199746	cbx1a	2.614767619	5.972688701	-3.357921082	3.97E-05
peak_14332	chr4	59471731	59472082	8141	intron (NM_001002870, intron 1 of 17)	NM_001002870	trim24	1.978440673	5.336514879	-3.358074207	1.09E-06
peak_27759	chr11	9257456	9257765	609201	Intergenic	NM_001020583	tbl1xr1a	1.467052111	4.825728335	-3.358676224	0.001018
peak_26332	chr9	22245048	22245440	-3041	Intergenic	NM_207056	pla1a	0.944570835	4.303295987	-3.358725152	0.000618
peak_13786	chr9	12980608	12980932	-45422	Intergenic	NM_001005941	pttg1ipb	2.738714804	6.09760333	-3.358888526	6.98E-07
peak_4461	chr4	7316202	7317348	-92659	Intergenic	NM_001030152	si:ch211-240l19.5	5.048071517	8.407247321	-3.359175804	4.86E-13
peak_4828	chr5	6558252	6558768	46060	Intergenic	NM_001013333	zgc:110796	5.866989699	9.226230233	-3.359240534	1.38E-12
peak_23627	chr23	31033049	31033665	-30459	Intergenic	NM_001039921	pcmtd2	4.071913271	7.431168989	-3.359255717	0.000217
peak_16373	chr18	18021888	18022286	-43114	Intergenic	NM_199787	n4bp1	2.935977657	6.295292186	-3.359314529	4.81E-06
peak_4424	chr10	45030848	45031481	25103	Intergenic	NR_045221		5.824854643	9.18502356	-3.360168917	4.26E-13
peak_4603	chr1	35836818	35837734	-65568	Intergenic	NM_001002077	lsm6	5.827567192	9.187848707	-3.360281515	7.26E-13
peak_13995	chr5	14910122	14910530	-19624	Intergenic	NM_199534	zgc:65851	1.787481669	5.148290839	-3.36080917	8.39E-07
peak_13835	chr8	14760316	14760640	-4504	TTS (NM_001245100)	NM_001044945	sin3b	1.787481669	5.14886968	-3.361388011	7.31E-07
peak_17021	chr19	6819654	6820112	-4448	Intergenic	NM_001044927	erf	2.471023015	5.83405396	-3.363030945	7.11E-06
peak_3473	chr2	55055251	55056720	76327	Intergenic	NM_001020630	rab12	7.580584442	10.94366455	-3.363080104	1.33E-14
peak_17351	chr8	34254309	34254641	-24520	Intergenic	NM_001025167	lmx1bb	2.42263522	5.785832229	-3.363197009	8.82E-06
peak_7749	chr5	73502304	73502881	96659	intron (NM_001278805, intron 11 of 23)	NM_001278805	pappaa	4.44299439	7.806193741	-3.363199351	6.48E-10
peak_19315	chr11	21125492	21126105	-222185	intron (NM_131086, intron 8 of 16)	NM_001002230	tuba7l	4.344515472	7.70788413	-3.363368658	2.80E-05
peak_22135	chr21	17944268	17945017	58609	Intergenic	NM_001002475	nkx6.1	3.19853316	6.562357932	-3.363824771	0.000116
peak_19350	chr9	27151962	27152491	15067	intron (NM_131023, intron 2 of 4)	NM_131023	efnb2a	3.42263522	6.786656014	-3.364020795	2.85E-05
peak_7588	chr6	19213154	19213932	1591	intron (NM_001017556, intron 2 of 8)	NM_001017556	rhbdl3	5.55035326	8.914447782	-3.364094522	5.01E-10
peak_14804	chr19	19022286	19022704	-43581	Intergenic	NM_001003646	hibadha	1.205700064	4.569818613	-3.364118549	1.58E-06
peak_18400	chr4	17728281	17728594	-5992	Intergenic	NR_029978		2.247969535	5.612182052	-3.364212516	1.70E-05
peak_11807	chr18	38230025	38230599	143366	Intergenic	NM_001080165	gldn	3.696843362	7.061164453	-3.364321091	1.10E-07
peak_4953	chr11	44903946	44904818	3905	intron (NM_001015069_1, intron 1 of 3)	NM_001015069_1	gli2b	5.667678564	9.032105422	-3.364426859	1.95E-12
peak_4093	chr8	55440569	55441395	10616	Intergenic	NR_045219		4.941670391	8.306113466	-3.364443075	1.38E-13
peak_7675	chr23	39071183	39071695	25371	Intergenic	NM_001080609	sall4	4.275608918	7.641543766	-3.365934847	5.76E-10
peak_10523	chr20	8181576	8182196	415163	Intergenic	NM_001040685	dab1a	4.008884304	7.375028947	-3.366144643	2.78E-08
peak_4241	chr1	31097413	31099011	5966	TTS (NM_182856)	NM_182856	fgf8b	5.991000131	9.357145678	-3.366145547	2.28E-13
peak_20957	chr7	25650242	25651182	-10625	Intergenic	NM_001173501	nelfa	3.519982194	6.886858184	-3.36687599	6.56E-05
peak_20257	chr24	6307161	6307446	36409	intron (NM_205579, intron 7 of 38)	NM_205579	myo3a	0.978440673	4.345403116	-3.366962443	4.72E-05
peak_8572	chr7	37083682	37084154	81025	Intergenic	NM_001045227	irx5a	2.880158125	6.247290562	-3.367132436	2.28E-09
peak_10640	chr9	2732758	2733526	-27764	Intergenic	NM_001089498	sp3a	3.679788522	7.047240141	-3.367451619	3.27E-08
peak_17741	chr24	19420903	19421345	-201099	Intergenic	NM_200844	zgc:66014	3.426730103	6.794356864	-3.367626761	1.16E-05
peak_19647	chr19	32910624	32911103	42427	intron (NM_001045026, intron 1 of 22)	NM_001045026	fam65b	3.250281917	6.618184408	-3.367902491	3.39E-05
peak_7765	chr11	42584533	42585432	27870	Intergenic	NM_001005938	park7	4.576416744	7.944721438	-3.368304695	6.61E-10
peak_13428	chr11	24487372	24487833	-231029	Intergenic	NM_001113489	kiss1	1.938847741	5.307347574	-3.368499833	5.23E-07
peak_5286	chr5	67052995	67053605	116230	Intergenic	NM_001256818	dnm1b	5.019808132	8.388460628	-3.368652496	4.64E-12
peak_19836	chr16	25838986	25840049	68574	Intergenic	NM_131596	adar	3.309268024	6.679281993	-3.370013969	3.74E-05
peak_13010	chr13	7352324	7352801	-266116	Intergenic	NM_001037101	hells	3.329220506	6.699365936	-3.370145431	3.56E-07
peak_6557	chr1	46708622	46709125	17433	Intergenic	NM_001037662	sox1b	4.399781695	7.770049028	-3.370267333	7.46E-11
peak_26797	chr21	44483354	44483590	-5769	Intergenic	NM_001040294	zgc:136410	-0.360322949	3.010285223	-3.370608172	0.000728
peak_7809	chr9	25263187	25263789	-12091	intron (NM_001277070, intron 1 of 1)	NM_001008643	nabp1a	4.088808875	7.46083275	-3.372023875	7.07E-10
peak_20011	chr8	32150015	32150412	66973	Intergenic	NM_205691	gadd45g	2.702019304	6.074270248	-3.372250943	4.15E-05
peak_7849	chr1	30679612	30680693	12666	intron (NM_178296, intron 1 of 12)	NM_178296	gli1	6.181546922	9.553804303	-3.372257381	7.45E-10
peak_4514	chr11	43174257	43176918	-72001	Intergenic	NM_001105592	her15.2	6.135913813	9.5081905	-3.372276687	5.57E-13
peak_23127	chr6	51943511	51943994	168326	Intergenic	NM_001287552	LOC570865	2.567117871	5.939598339	-3.372480469	0.000179
peak_15612	chr3	28434723	28434979	-208037	Intergenic	NM_001005596	rbfox1	1.243333623	4.616120167	-3.372786545	2.82E-06
peak_5169	chr23	28575881	28576537	10230	Intergenic	NM_145195	birc5b	5.36172786	8.734581597	-3.372853737	3.49E-12
peak_15968	chr10	40999432	40999852	-257808	Intergenic	NM_200744	smfn	3.142225818	6.515159329	-3.372933511	3.69E-06
peak_21482	chr5	49936051	49936377	16761	Intergenic	NR_029998		1.831388386	5.20491817	-3.373529783	8.45E-05
peak_13665	chr10	1158742	1159075	31995	intron (NM_001114924_1, intron 3 of 4)	NM_001114924_1	bmpr1bb	2.122017822	5.49586836	-3.373850538	6.38E-07
peak_8489	chr1	49845970	49846444	-13127	Intergenic	NM_131260	msxb	3.284661742	6.659062433	-3.374400691	2.08E-09
peak_9403	chr10	35444014	35444814	-268876	Intergenic	NM_001013500	nbeaa	3.984090193	7.358652649	-3.374562455	7.41E-09
peak_9899	chr24	9280259	9280872	-132575	Intergenic	NM_001202441	nphp3	3.95594936	7.330788778	-3.374839417	1.40E-08
peak_4420	chr21	7987880	7988692	24816	intron (NM_001045299, intron 1 of 12)	NM_001045299	crb2a	6.483925138	9.858997677	-3.375072538	4.22E-13
peak_5978	chr3	28025830	28026573	5221	intron (NM_201498, intron 1 of 15)	NM_201498	abat	4.785842092	8.161065028	-3.375222936	2.24E-11
peak_11367	chr22	38638181	38638898	246894	Intergenic	NM_001113587	hykk.2	3.672909731	7.048553008	-3.375643278	7.16E-08
peak_14695	chr23	14497585	14498066	18104	intron (NM_001113646, intron 1 of 6)	NM_001113646	nkain4	3.665997984	7.041930746	-3.375932762	1.45E-06
peak_5418	chr17	24059516	24060116	-87109	Intergenic	NM_131250	otx1b	4.566244234	7.942385158	-3.376140924	6.27E-12
peak_19374	chr7	44033085	44033389	-11251	Intergenic	NM_001017713_1	idh3g	2.122017822	5.498599679	-3.376581858	2.88E-05
peak_15260	chr9	53202260	53203015	-288986	Intergenic	NM_001076600	tank	4.642371946	8.018989154	-3.376617208	2.20E-06
peak_16828	chr4	2181058	2181557	30201	Intergenic	NM_001006011	phlda1	2.42263522	5.799288067	-3.376652847	6.38E-06
peak_8082	chr20	27032894	27033534	16191	Intergenic	NM_001045164	sel1l	4.692598516	8.069364825	-3.37676631	1.10E-09
peak_3908	chr5	17448137	17449238	-144841	Intergenic	NM_001100957	hspb8	5.860549344	9.237385338	-3.376835994	7.44E-14
peak_14977	chr21	30486335	30487134	317025	Intergenic	NM_001098766	zgc:165573	4.482001777	7.859291178	-3.377289401	1.77E-06
peak_13210	chr13	3308698	3309101	-140618	Intergenic	NM_001017635	park2	3.374565546	6.751956842	-3.377391296	4.25E-07
peak_30783	chr20	1541584	1541969	106109	Intergenic	NM_001100056	LOC796447	-0.360322949	3.017185014	-3.377507963	0.002476
peak_18378	chr2	29458263	29458766	32912	Intergenic	NM_207641	ptf1a	3.124540972	6.502381352	-3.37784038	1.68E-05
peak_19000	chr8	16464853	16465079	45907	intron (NM_001017754, intron 3 of 4)	NM_001017754	agbl4	1.205700064	4.58372013	-3.378020066	2.38E-05
peak_20510	chr24	18001997	18002500	-53014	intron (NM_001281991, intron 21 of 23)	NM_213495	cul1b	3.25733105	6.635700426	-3.378369376	5.31E-05

peak_14744	chr3	41854716	41855065	-57391	Intergenic	NM_130971	lfng	2.42263522	5.801333492	-3.378698272	1.50E-06
peak_3617	chr16	40766046	40766864	-36984	Intergenic	NM_200570	selenbp1	6.389313175	9.768024612	-3.378711437	2.43E-14
peak_4672	chr9	6731604	6732299	-29266	Intergenic	NM_131150	pou3f3a	5.81822298	9.197042586	-3.378819606	8.54E-13
peak_3699	chr7	59342715	59344349	364	intron (NM_001006063, intron 1 of 6)	NM_001006063	ank2b	6.938078456	10.31699151	-3.378913057	3.34E-14
peak_5329	chr9	28329132	28330095	-33585	Intergenic	NM_001126402	si:rp71-84d19.3	5.360091665	8.739208729	-3.379117064	5.05E-12
peak_7641	chr8	24363332	24363810	-11378	Intergenic	NM_001014824	sema3gb	3.585656064	6.964948835	-3.37929277	5.45E-10
peak_4907	chr19	33794405	33794997	-37737	Intergenic	NM_001044826	atxn1a	4.981964068	8.361872088	-3.37990802	1.75E-12
peak_33030	chr5	42346352	42346752	12605	Intergenic	NM_130962	isl1	1.978440673	5.358469246	-3.380028573	0.00443
peak_8471	chr5	55606270	55606634	187214	intron (NM_001020519, intron 6 of 10)	NM_001003613	srek1	2.632603848	6.012767286	-3.380163438	2.02E-09
peak_7348	chr10	43620633	43621644	41876	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	5.815860363	9.196060298	-3.380199936	3.30E-10
peak_15472	chr10	26268743	26269266	64855	Intergenic	NM_131294	sod1	2.664163689	6.044548177	-3.380384488	2.55E-06
peak_6837	chr25	798047	798737	-73818	intron (NM_001098393, intron 3 of 7)	NM_199725_1	twf1a	5.899092613	9.279832099	-3.380739486	1.26E-10
peak_7800	chr21	28873798	28874326	-18867	intron (NM_001013344, intron 3 of 3)	NM_001173499	slc23a1	3.280142431	6.660946874	-3.380804443	6.89E-10
peak_4966	chr17	46411887	46412772	436660	Intergenic	NR_029933		5.225815055	8.606910304	-3.38109525	2.00E-12
peak_21287	chr11	29141627	29141974	46819	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	2.075829856	5.457007436	-3.38117758	7.69E-05
peak_9944	chr16	7100666	7101501	-123857	Intergenic	NM_001003516	zgc:100908	4.649397536	8.030677703	-3.381280167	1.47E-08
peak_6092	chr20	22498751	22499423	-28170	Intergenic	NM_001025512	gsx2	5.262461734	8.643852903	-3.381391168	2.96E-11
peak_6217	chr3	22917894	22918644	202509	Intergenic	NM_001128744	cyb561	5.104870153	8.486314821	-3.381444669	3.89E-11
peak_21916	chr18	8722636	8722987	86430	Intergenic	NM_131048	sema3d	2.64320069	6.024748944	-3.381548253	0.000105
peak_8759	chr12	44662990	44663541	113423	intron (NM_001110011_1, intron 9 of 20)	NM_001110011_1	dock1	3.346615242	6.728217406	-3.381602164	2.97E-09
peak_15746	chr12	33013241	33013666	96182	intron (NM_001034980, intron 5 of 7)	NM_001034980	vti1a	2.200926086	5.58275199	-3.381825903	3.16E-06
peak_20449	chr16	41216908	41217421	1725	intron (NM_001281990, intron 1 of 4)	NM_001281990	LOC566054	2.363802745	5.746378364	-3.382575619	5.18E-05
peak_13339	chr20	23739810	23740185	15321	intron (NM_001044792, intron 2 of 11)	NM_001044792	sh3rf1	2.075829856	5.458911362	-3.383081506	4.85E-07
peak_7812	chr19	4233475	4233912	-263984	Intergenic	NR_039149		3.857496901	7.240937139	-3.383440238	7.10E-10
peak_18246	chr2	31083845	31084217	8302	exon (NM_001099994, exon 6 of 9)	NM_001099994	clul1	2.31603542	5.699848441	-3.383813022	1.56E-05
peak_11021	chr11	145817	147495	15418	Intergenic	NM_001200058_1	LOC100006857	4.656389079	8.040405363	-3.384016285	5.05E-08
peak_26775	chr14	33701750	33701996	-2084	Intergenic	NM_001001811	sox3	1.243333623	4.627418346	-3.384084724	0.000722
peak_17185	chr5	62082052	62082446	-445844	Intergenic	NM_001030174	lig3	2.862128275	6.246372348	-3.384244072	7.93E-06
peak_7391	chr18	19568055	19568830	14719	intron (NM_175083, intron 1 of 8)	NM_175083	smad3b	5.267036684	8.651588829	-3.384552146	3.55E-10
peak_31993	chr9	1605876	1606142	23303	intron (NM_200113, intron 8 of 19)	NM_200113	agps	-0.360322949	3.024380105	-3.384703054	0.003422
peak_24546	chr16	35852232	35852940	-54191	Intergenic	NM_131161	pou3f1	3.137236739	6.522604597	-3.385367858	0.000323
peak_7674	chr16	25511485	25512019	-10367	Intergenic	NM_200783	efna1b	4.556879349	7.942982021	-3.386102672	5.75E-10
peak_6564	chr6	48095282	48096054	125	exon (NM_201202, exon 1 of 15)	NM_201202	phc2b	4.438945476	7.825272049	-3.386326574	7.57E-11
peak_5680	chr18	23821080	23822347	-162648	Intergenic	NM_131183	nr2f2	4.948806776	8.335374528	-3.386567752	1.17E-11
peak_14686	chr23	14421371	14421720	92047	intron (NM_001113646, intron 4 of 6)	NM_001098768	birc7	1.243333623	4.629997202	-3.386663579	1.44E-06
peak_8645	chr5	29198593	29199155	28806	Intergenic	NM_205585	sfrp1a	4.456075431	7.842957406	-3.386881976	2.49E-09
peak_9556	chr24	4912630	4913216	-67519	Intergenic	NM_001110021	cpb1	3.215200887	6.602355116	-3.387154229	9.02E-09
peak_12602	chr12	1920920	1921453	236177	Intergenic	NM_131643	sox9a	4.062656257	7.450581185	-3.387924928	2.39E-07
peak_17305	chr4	5173986	5174527	-17894	Intergenic	NM_001025503	si:ch211-214j24.:	2.818979367	6.207228975	-3.388249608	8.55E-06
peak_30482	chr8	1752495	1752913	78633	Intergenic	NM_205739	dgcr6	-0.360322949	3.027938931	-3.38826188	0.002303
peak_4418	chr5	42250857	42251637	107910	Intergenic	NM_130962	isl1	5.147781807	8.537135304	-3.389353497	4.14E-13
peak_23632	chr21	15956800	15957172	37021	Intergenic	NM_001018132	barhl1b	1.66069094	5.050074646	-3.389383705	0.000218
peak_15546	chr11	6141121	6141428	-8957	Intergenic	NM_213239	nr2f6b	2.614767619	6.00450163	-3.389734011	2.71E-06
peak_5273	chr11	43111458	43112052	-8169	Intergenic	NM_001105592	her15.2	4.921456318	8.31141897	-3.389962652	4.56E-12
peak_15941	chr13	17308356	17308593	204861	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	1.938847741	5.328979028	-3.390131287	3.61E-06
peak_8377	chr16	18751475	18752899	173736	Intergenic	NM_001003589	ccdc12	5.039406491	8.429913705	-3.390507214	1.78E-09
peak_18461	chr5	21373842	21374573	96676	Intergenic	NM_001007349	mvk	3.179103907	6.569620459	-3.390516551	1.75E-05
peak_18066	chr16	40672129	40672464	-131143	Intergenic	NM_200570	selenbp1	2.122017822	5.512816754	-3.390798933	1.42E-05
peak_29163	chr2	55942508	55942810	50973	Intergenic	NM_001089562	rab8a	-0.360322949	3.03078332	-3.391106269	0.00159
peak_3937	chr7	16745820	16746726	52903	intron (NM_001017638, intron 7 of 9)	NM_001017638	elp4	6.524485074	9.915767549	-3.391282475	8.10E-14
peak_24665	chr18	22779388	22780024	4882	intron (NM_199209, intron 3 of 5)	NM_199209	cbfb	3.188780911	6.580724115	-3.391943203	0.00034
peak_18251	chr9	29392362	29392926	39735	intron (NM_001044766, intron 2 of 3)	NM_001044766	klf7b	3.517952391	6.910073856	-3.392121465	1.57E-05
peak_18995	chr7	31206891	31207454	7116	intron (NM_201193, intron 1 of 57)	NM_201193	tln2a	3.365936857	6.758180332	-3.392243476	2.37E-05
peak_15378	chr4	14186034	14186329	-17143	Intergenic	NM_131680	nrf1	2.31603542	5.708458673	-3.392423253	2.37E-06
peak_19061	chr15	18396273	18396914	37157	Intergenic	NM_205649	zgc:77784	2.625495796	6.018782372	-3.393286576	2.46E-05
peak_3976	chr8	53124296	53124984	47877	Intergenic	NM_001123044	bin3	5.081646992	8.475259155	-3.393612164	9.72E-14
peak_16041	chr4	14623815	14624100	44946	intron (NM_214804, intron 5 of 9)	NM_214804	chchd3	1.984009138	5.37843116	-3.394422022	3.88E-06
peak_4268	chr5	19110333	19110935	-448353	Intergenic	NM_001100015	chfr	5.034679932	8.430314891	-3.395634959	2.46E-13
peak_7714	chr4	27308923	27309481	113718	Intergenic	NM_001105586	cerk	3.960193277	7.35631805	-3.396124773	6.15E-10
peak_25806	chr22	11117198	11117538	45930	intron (NM_001123229, intron 1 of 20)	NM_001123229	insrb	2.363802745	5.759943002	-3.396140257	0.000515
peak_12627	chr6	27599165	27599442	-5582	Intergenic	NM_200602	cep63	2.342286181	5.738661188	-3.396375007	2.44E-07
peak_4081	chr17	17210370	17210974	67380	intron (NM_001080009, intron 5 of 23)	NM_001080009	nrxn3a	5.238134336	8.634605846	-3.39647151	1.34E-13
peak_7406	chr1	41279303	41279862	12667	Intergenic	NM_001045371	hmx4	4.635260365	8.031913603	-3.396653238	3.69E-10
peak_3796	chr15	28129712	28130781	-103708	Intergenic	NM_200018	blmh	5.53615407	8.932891362	-3.396737292	4.90E-14
peak_26318	chr24	32111012	32111587	-369	promoter-TSS (NR_045229)	NR_048923		0.234016866	3.630836629	-3.396819763	0.000614
peak_9007	chr16	15024702	15025172	-151018	Intergenic	NM_001007444	zgc:101640	3.104231123	6.501241429	-3.397010306	4.24E-09
peak_17513	chr7	29242631	29243343	241576	Intergenic	NM_173219	lmo1	4.974331779	8.371369416	-3.397037637	9.86E-06
peak_7973	chr18	26495185	26495652	217431	Intergenic	NM_001007395	def8	3.881650491	7.278699124	-3.397048633	9.17E-10
peak_4629	chr22	32825018	32827832	89474	intron (NM_199663, intron 4 of 17)	NM_199663	add3a	5.985805604	9.383205824	-3.39740022	7.72E-13
peak_6083	chr5	57746945	57747478	60161	intron (NM_001271308, intron 42 of 52)	NM_001083828	aatf	4.029304008	7.426733498	-3.397429491	2.92E-11
peak_3680	chr24	39461910	39463791	-3842	Intergenic	NM_001009983	metrn	5.977434903	9.374950751	-3.397515848	3.09E-14
peak_3642	chr23	27463949	27464704	-70823	Intergenic	NM_001214908	wu:fc13c02	6.328368036	9.726159256	-3.39779122	2.68E-14
peak_19769	chr5	66110158	66110584	-248612	Intergenic	NM_001039813	adora2b	3.250281917	6.648116685	-3.397834768	3.59E-05
peak_18730	chr13	17206523	17206981	306583	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	3.19853316	6.59687922	-3.398346059	2.03E-05
peak_19395	chr1	28720702	28721125	8958	exon (NM_200522, exon 11 of 21)	NM_200522	zc3h13	3.313826142	6.712246661	-3.398420519	2.92E-05
peak_5007	chr10	10175413	10177265	119111	Intergenic	NR_029938		7.455736282	10.85425388	-3.398517596	2.27E-12
peak_38600	chr4	26173504	26178585	219571	Intergenic	NM_200523	creld2	-0.360322949	3.038663522	-3.398986471	0.014218
peak_18832	chr18	36045052	36045293	-349670	Intergenic	NM_001139480	yap1	1.66069094	5.059818573	-3.399127633	2.17E-05
peak_4528	chr14	37597599	37599198	242	intron (NM_213200, intron 1 of 6)	NM_213200	gpm6aa	6.190056257	9.589203431	-3.399147175	5.84E-13
peak_3525	chr16	35729932	35730691	-176466	Intergenic	NM_131161	pou3f1	6.106485105	9.506490418	-3.400005313	1.73E-14
peak_29269	chr8	31753160	31753484	-16124	Intergenic	NM_200903	derl3	-0.360322949	3.040246205	-3.400569154	0.001647
peak_9544	chr7	64104466	64105216	1187141	Intergenic	NM_131287	sox17	3.348774912	6.750211782	-3.40143687	8.88E-09
peak_13486	chr14	14377856	14378101	58668	intron (NM_001002180, intron 1 of 15)	NM_001002180	mgat4b	2.42263522	5.824256624	-3.401621405	5.48E-07
peak_7213	chr12	46278362	46278829	305943	Intergenic	NM_212945	mrpl38	3.996540512	7.398707933	-3.402167421	2.61E-10
peak_25399	chr1	54543526	54543824	30962	Intergenic	NM_001017750	acta1a	1.467052111	4.86976838	-3.402716268	0.000449
peak_31083	chr15	35156	35443	21279	Intergenic	NM_205704	bace1	-0.360322949	3.042623383	-3.402946332	0.002674
peak_5327	chr22	36055078	36056083	40236	exon (NM_173274, exon 2 of 3)	NM_173274	dag1	5.747792413	9.150897192	-3.40310478	5.04E-12
peak_19030	chr7	48741970	48742321	-351320	Intergenic	NM_001195407	tshz3b	1.984009138	5.388145459	-3.404136322	2.42E-05
peak_17605	chr19	35022196	35022597	-44228	Intergenic	NM_001076776	runx1t1	2.664163689	6.068742164	-3.404578475	1.06E-05
peak_13129	chr10	4103663	4104351	49929	Intergenic	NM_200920	pitpnb	3.215200887	6.620115236	-3.404914349	3.97E-07
peak_15097	chr2	21565298	21566064	78772	Intergenic	NM_201454	rab2a	3.787481669	7.192983121	-3.405501452	1.95E-06
peak_17162	chr11	7454164	7454566	-16512	Intergenic	NM_199831	diras1a	2.555944961	5.962141811	-3.40619685	7.80E-06
peak_19069	chr5	62118752	62119047	-409194	Intergenic	NM_001030174	lig3	1.984009138	5.390983381	-3.406974243	2.47E-05
peak_16706	chr21	36859594	36859907	76003	intron (NM_001007405_1, intron 7 of 11)	NM_001039108	ripply1	2.751830549	6.158854353	-3.407023803	5.98E-06
peak_25422	chr6	44296125	44296531	36954	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	1.944570835	5.352111257	-3.407540422	0.000452
peak_12573	chr17	22686660	22686944	29724	intron (NM_173285, intron 10 of 19)	NR_030140		1.800163388	5.208322576	-3.408159189	2.33E-07
peak_3724	chr17	12757498	12759311	-47673	intron (NM_001146304, intron 38 of 39)	NM_199629	nfkbiab	7.001535036	10.41024887	-3.408713839	3.65E-14
peak_6025	chr14	41505833	41506673	188381	Intergenic	NM_001127519	pcdh19	5.361696666	8.770835498	-3.409138832	2.51E-11
peak_23044	chr20	20651221	20652506	31405	Intergenic	NM_001161332	ppm1ab	3.523698724	6.933443331	-3.409744607	0.000172
peak_11537	chr18	22584776	22585039	10795	intron (NM_200787, intron 2 of 7)	NM_200787	gnao1a	2.229335828	5.6391567	-3.409820873	8.49E-08
peak_13465	chr8	18002745	18003036	32956	intron (NM_130935, intron 1 of 6)	NM_130935	skia	2.200926086	5.610810383	-3.409884297	5.39E-07
peak_11223	chr8	24406282	24406777	25074	exon (NM_001014824, exon 17 of 17)	NM_199938	wasb	2.096540606	5.50706686	-3.410526254	6.13E-08
peak_17770	chr10	927079	927541	-58482	Intergenic	NM_001099984_1	unc5c	2.935977657	6.346876206	-3.410898549	1.19E-05
peak_19160	chr16	37062338	37062725	-1858	Intergenic	NM_183345	paqr7b	3.420583411	6.831619595	-3.411036184	2.58E-05
peak_11938	chr9	28088036	28088901	-274730	Intergenic	NM_001126402	si:rp71-84d19.3	3.627276095	7.038372249	-3.411096154	1.28E-07

peak_24025	chr4	20245900	20246490	104223	intron (NM_001002463, intron 6 of 6)	NM_001002463	syt1a	3.914097927	7.32553146	-3.411433534	0.000259
peak_8128	chr14	361856	362500	42454	Intergenic	NM_001017768	cops6	4.241077898	7.653026231	-3.411948333	1.20E-09
peak_11125	chr2	44184036	44184617	60493	intron (NM_001045246, intron 2 of 9)	NM_001045246	cadm3	3.346615242	6.75881943	-3.412204187	5.65E-08
peak_8739	chr7	39758463	39758907	16872	intron (NM_201178, intron 3 of 14)	NM_201178	rhpn2	2.800163388	6.212402228	-3.41223884	2.90E-09
peak_5080	chr17	44369910	44370519	-74119	Intergenic	NM_131251	otx2	4.869624243	8.281950775	-3.412326532	2.77E-12
peak_6613	chr9	55071281	55072268	-30424	Intergenic	NM_001009888	sox21b	6.301532965	9.713895307	-3.412362342	8.29E-11
peak_21232	chr17	24124768	24125446	-21818	Intergenic	NM_131250	otx1b	3.742100794	7.154690697	-3.412589903	7.50E-05
peak_7008	chr2	25311710	25312762	-214391	Intergenic	NM_001159832	fndc3ba	4.467110104	7.879707684	-3.41259758	1.73E-10
peak_3960	chr16	40385937	40386586	-417178	Intergenic	NM_200570	selenbp1	5.537101359	8.950014237	-3.412912878	9.17E-14
peak_19185	chr24	29967885	29968188	110275	Intergenic	NM_001039930	rnpc3	1.984009138	5.397064925	-3.413055787	2.61E-05
peak_28140	chr5	60276358	60276756	120334	Intergenic	NM_001076705	ccdc84	-0.360322949	3.052887307	-3.413210256	0.001156
peak_30232	chr7	71002011	71002871	-17059	Intergenic	NM_001128544	si:dkey-119o24.1	-0.360322949	3.053214898	-3.413537847	0.002161
peak_10185	chr13	46634774	46635195	87269	Intergenic	NM_001004108	bsdc1	2.800163388	6.213997938	-3.41383455	1.91E-08
peak_19985	chr24	18674866	18675701	53665	intron (NM_001281991, intron 1 of 23)	NM_001281991	cntnap2a	3.147197703	6.561719766	-3.414522063	4.08E-05
peak_9048	chr14	18478492	18479283	1248	intron (NM_175576, intron 1 of 6)	NM_175576	plp1a	5.832568786	9.247157805	-3.41458902	4.50E-09
peak_6390	chr11	24664499	24665165	-68160	Intergenic	NM_001145767	nfasca	5.074449378	8.489144943	-3.414695565	5.44E-11
peak_4575	chr7	16791636	16792510	7103	intron (NM_001017638, intron 2 of 9)	NM_001017638	elp4	6.242496609	9.657438958	-3.414942349	6.60E-13
peak_4984	chr22	12531044	12531993	27372	Intergenic	NR_030072		6.075791826	9.490916047	-3.415124221	2.15E-12
peak_17112	chr24	30416362	30416662	137751	Intergenic	NM_001163988	prmt6	2.42263522	5.838054865	-3.415419645	7.57E-06
peak_18256	chr1	46388297	46388869	-4809	Intergenic	NM_001075102	lipt1	3.111880861	6.527762387	-3.415881526	1.58E-05
peak_22184	chr6	33517708	33518081	58412	Intergenic	NM_001287082	tmem69	2.471023015	5.886910011	-3.415886995	0.000118
peak_31666	chr23	21220595	21221187	68914	exon (NM_001146149, exon 8 of 9)	NM_001146149	pax7b	1.831388386	5.247413112	-3.416024725	0.003143
peak_10608	chr10	29448035	29448608	69230	intron (NM_131000, intron 1 of 15)	NM_131000	alcama	3.033337828	6.449696623	-3.416358795	3.10E-08
peak_20302	chr10	20967444	20967738	-180277	Intergenic	NM_200782	kcnip3b	1.818979367	5.235442532	-3.416463165	4.83E-05
peak_12880	chr2	15154001	15154407	-8907	Intergenic	NM_001006023	tecrl2	2.111880861	5.528493674	-3.416612813	3.11E-07
peak_4786	chr11	37600776	37601930	-17049	Intergenic	NM_001005312	parapinopsinb	5.026608515	8.443565624	-3.416957109	1.21E-12
peak_14366	chr15	16962515	16962857	96455	Intergenic	NM_201993	arcn1b	2.31603542	5.73331187	-3.41727645	1.12E-06
peak_16129	chr19	43897208	43897523	14779	intron (NM_001110463, intron 2 of 4)	NM_001110463	plekho1a	1.639677051	5.0575847	-3.417907649	4.08E-06
peak_31848	chr18	18329025	18329452	-3526	intron (NM_001004012, intron 3 of 5)	NM_001128701_1	si:ch211-239j19.3	-0.360322949	3.057585439	-3.417908388	0.003311
peak_18858	chr9	22580734	22581133	11703	intron (NM_001123235, intron 2 of 21)	NM_001123235	arhgef7a	1.938847741	5.35691692	-3.418069179	2.19E-05
peak_4125	chr16	18756746	18757260	178552	Intergenic	NM_001003589	ccdc12	5.192463273	8.611232251	-3.418768979	1.54E-13
peak_15435	chr23	25980850	25981212	-15113	Intergenic	NM_001003541	rbms2b	2.122017822	5.54084328	-3.418825458	2.49E-06
peak_7123	chr15	8564466	8565256	95601	Intergenic	NM_001128700	tmem160	5.39139463	8.810312441	-3.418917811	2.19E-10
peak_4780	chr4	16523481	16524607	38731	Intergenic	NM_131219	ascl1a	4.705344933	8.124591558	-3.419246626	1.20E-12
peak_25462	chr8	26921589	26921961	9155	intron (NM_201464, intron 9 of 13)	NM_201464	impdh2	0.215200887	3.634598834	-3.419397947	0.000459
peak_5256	chr7	51000912	51001399	107035	Intergenic	NM_001020629	hrasb	4.224639552	7.644220479	-3.419580927	4.33E-12
peak_13698	chr14	37052332	37052942	60435	Intergenic	NM_001005983	tmem144b	2.886118348	6.305994482	-3.419876134	6.55E-07
peak_10484	chr15	32300458	32300991	160290	Intergenic	NM_199743	zgc:73340	2.732111944	6.152005327	-3.419893383	2.69E-08
peak_12500	chr4	6185893	6186464	11986	Intergenic	NM_001076555	ifrd1	3.277877455	6.697980545	-3.420103089	2.19E-07
peak_14080	chr19	15028866	15029363	25789	intron (NM_001135132, intron 1 of 2)	NM_001135132	si:ch211-206a7.2	2.975648359	6.396360896	-3.420712536	9.02E-07
peak_18629	chr7	56935498	56935719	38862	Intergenic	NM_001003506	trappc2l	1.243333623	4.664448646	-3.421115023	1.91E-05
peak_17707	chr20	4411362	4411731	154552	Intergenic	NM_001076758	zgc:154018	2.42263522	5.843801866	-3.421166647	1.13E-05
peak_6754	chr1	2140456	2141333	65227	Intergenic	NM_001089560	ggact.3	5.535707841	8.958192342	-3.422484501	1.10E-10
peak_4976	chr16	58013520	58014296	26036	intron (NM_200561_2, intron 5 of 10)	NM_200561_2	fzd6	5.263606833	8.686091877	-3.422485045	2.10E-12
peak_9193	chr20	40340176	40340692	11187	intron (NM_001025545, intron 2 of 4)	NM_001025545	clvs2	3.650222256	7.073045017	-3.422822761	5.46E-09
peak_22723	chr4	7881986	7882368	197281	Intergenic	NM_001260500	scube1	2.122017822	5.544920065	-3.422902243	0.000149
peak_10324	chr1	22752531	22753049	-97691	Intergenic	NM_152975	mab21l2	4.050765939	7.473719366	-3.422953427	2.25E-08
peak_13623	chr5	46319625	46320296	45486	intron (NM_001099990, intron 1 of 24)	NM_001099990	dapk1	4.54085676	7.963828368	-3.422971607	6.17E-07
peak_16853	chr14	24294040	24294459	-274816	Intergenic	NM_001039461	med12	2.31603542	5.739557961	-3.423522541	6.49E-06
peak_10767	chr14	20342215	20342732	-261720	Intergenic	NM_001037372	ptcd3	3.380911023	6.805827852	-3.424916829	3.74E-08
peak_19825	chr17	29953153	29953635	-16948	Intergenic	NM_212954	esrrga	3.420583411	6.846116595	-3.425533184	3.72E-05
peak_5638	chr12	8945869	8946443	-91574	Intergenic	NM_001039062	med24	5.02728286	8.452824671	-3.42554181	1.06E-11
peak_17486	chr18	6929382	6929806	7492	intron (NM_001089382, intron 11 of 18)	NM_001089382	ccdc79	1.426730103	4.852384188	-3.425654084	9.68E-06
peak_15487	chr18	46490032	46490394	-130285	Intergenic	NM_001037706	smtla	1.426730103	4.852800834	-3.426070731	2.59E-06
peak_18732	chr24	1045936	1046267	9622	exon (NM_001020636, exon 14 of 17)	NM_001020636	zgc:111976	2.200926086	5.627470707	-3.42654462	2.03E-05
peak_4790	chr1	39904787	39905908	-1389	Intergenic	NM_130968	tenm3	5.075791826	8.502347444	-3.426555618	1.22E-12
peak_6691	chr7	64129780	64130400	1161892	Intergenic	NM_131287	sox17	4.23284803	7.659615991	-3.426767961	9.67E-11
peak_7007	chr2	11490047	11490709	-36170	Intergenic	NM_001020566	zgc:110130	3.95594936	7.382964526	-3.427015166	1.73E-10
peak_5478	chr5	26115144	26116329	70899	Intergenic	NM_200182	tia1l	5.776222767	9.203429394	-3.427206626	7.30E-12
peak_18209	chr2	14791179	14791562	62365	Intergenic	NM_001002498	hccsa	2.664163689	6.091563138	-3.427399449	1.54E-05
peak_21673	chr2	48273904	48274419	70932	Intergenic	NM_213487	pitrm1	2.614767619	6.043642352	-3.428874733	9.29E-05
peak_4455	chr5	68408294	68408940	-20709	Intergenic	NM_001002146	zgc:86715	5.701970026	9.130852307	-3.428882281	4.76E-13
peak_13614	chr17	22973017	22973593	-3498	Intergenic	NM_001110464	rasgrp3	3.447031973	6.875982422	-3.428950449	6.11E-07
peak_33197	chr16	10395634	10396014	-332226	Intergenic	NM_001034965	kiaa0947l	-0.360322949	3.068792419	-3.429115368	0.004599
peak_4854	chr18	36844656	36845246	86623	Intergenic	NM_001089357	alx4b	5.523754484	8.953325077	-3.429570593	1.52E-12
peak_5362	chr14	32007740	32008484	12915	intron (NM_131860, intron 1 of 8)	NM_131860	gpc4	4.823690559	8.25351321	-3.429822651	5.39E-12
peak_15426	chr10	344479	344801	18914	Intergenic	NM_199984	zgc:56039	1.66069094	5.091113994	-3.430423053	2.47E-06
peak_28750	chr15	34724448	34724705	174950	Intergenic	NM_001080189_1	zgc:158328	0.653720264	4.084403864	-3.4306836	0.001395
peak_7135	chr19	15845620	15846253	350670	Intergenic	NM_001201443	gmeb1	3.893534166	7.324445481	-3.430911315	2.23E-10
peak_4564	chr11	32179304	32180706	-25565	Intergenic	NM_001201559	im:7137555	6.152734615	9.583731581	-3.430996966	6.40E-13
peak_16796	chr11	3901233	3901528	21263	Intergenic	NM_131233	gata2a	1.224639552	4.656261711	-3.431622159	6.30E-06
peak_12874	chr16	25482154	25482432	-39826	Intergenic	NM_200783	efna1b	2.342286181	5.774648438	-3.432362257	3.10E-07
peak_10670	chr13	30591136	30591718	-138956	Intergenic	NM_001113339	zmiz1a	3.322643025	6.75503773	-3.432394705	3.36E-08
peak_7867	chr11	43157774	43158186	-54394	Intergenic	NM_001105592	her15.2	3.030649868	6.46352378	-3.432873912	7.66E-10
peak_15398	chr7	22542646	22543179	101293	Intergenic	NM_001017564	zgc:113025	3.304825258	6.737967445	-3.433142187	2.41E-06
peak_11522	chr10	3807566	3808213	-246189	Intergenic	NM_200920	pitpnb	3.975648359	7.409072882	-3.433424522	8.40E-08
peak_14391	chr20	35180569	35180906	69536	intron (NM_001045094, intron 5 of 36)	NM_001045094	si:ch211-89p3.3	1.984009138	5.41797858	-3.433969442	1.15E-06
peak_10786	chr6	26174270	26175087	93433	Intergenic	NM_001037680	sox14	3.90833784	7.343076504	-3.434738665	3.80E-08
peak_4055	chr13	24874144	24875430	-11344	Intergenic	NM_131272	msxc	5.062656257	8.497963666	-3.435307409	1.22E-13
peak_4688	chr19	21879138	21879990	-11442	Intergenic	NM_001042746	tshz1	5.666405685	9.101901569	-3.435495884	9.03E-13
peak_8981	chr14	32899006	32899501	7102	Intergenic	NM_001001837	zic6	2.732111944	6.167640399	-3.435528454	4.09E-09
peak_8644	chr19	21886163	21886653	-4598	Intergenic	NM_001042746	tshz1	2.812734601	6.248270434	-3.435535833	2.49E-09
peak_4110	chr13	40460045	40461431	46816	Intergenic	NM_131858	sfrp5	7.145289952	10.58091829	-3.43562834	1.45E-13
peak_5650	chr5	38277416	38278112	10886	Intergenic	NM_001077271	zgc:153990	5.860571419	9.296275794	-3.435704375	1.09E-11
peak_15771	chr3	59669555	59669942	-7073	TTS (NM_001045319)	NM_001285388	si:ch73-281f12.4	1.950271315	5.386468575	-3.436197259	3.22E-06
peak_8877	chr23	11380861	11381783	-99074	Intergenic	NM_001163106	chl1a	5.206821638	8.643289954	-3.436468315	3.51E-09
peak_4092	chr8	14948675	14949734	50981	intron (NM_001025455, intron 6 of 7)	NM_001025455	acbd6	5.619642432	9.056503293	-3.43686086	1.38E-13
peak_8490	chr3	20911872	20912345	135447	Intergenic	NM_213417	ndufa4l	3.880158125	7.317516369	-3.437358243	2.08E-09
peak_25248	chr22	13929930	13930216	65335	Intergenic	NM_001002552	s100b	1.459077363	4.896464471	-3.437387108	0.000424
peak_3629	chr9	7832617	7833466	67373	Intergenic	NM_001009886	mnx2a	6.208641113	9.646036283	-3.43739517	2.59E-14
peak_9855	chr8	3002871	3003634	11365	intron (NM_001045162, intron 1 of 14)	NM_001045162	crb2b	4.60023239	8.039073411	-3.43884102	1.33E-08
peak_15309	chr7	51035292	51036063	72513	Intergenic	NM_001020629	hrasb	3.903938371	7.343087876	-3.439149505	2.29E-06
peak_20621	chr22	24852440	24853008	102436	intron (NM_001003617, intron 8 of 9)	NM_001003617	nek7	3.361665472	6.801483524	-3.439818052	5.65E-05
peak_16755	chr24	14617504	14617972	-195	promoter-TSS (NM_001020675)	NM_001020675	gdap1	2.122017822	5.561866636	-3.439848815	6.15E-06
peak_18455	chr11	3873716	3873942	48814	Intergenic	NM_131233	gata2a	0.944570835	4.385062835	-3.440492	1.74E-05
peak_4884	chr5	51359154	51359894	-168049	Intergenic	NM_131180	nr2f1a	4.440971353	7.881565182	-3.440593829	1.65E-12
peak_32244	chr16	23732487	23733713	-43897	Intergenic	NM_001045163_1	si:ch211-154o6.2	-0.360322949	3.08070833	-3.441031279	0.003639
peak_15175	chr3	30579244	30579775	59673	Intergenic	NM_214766	med25	2.570823028	6.012023754	-3.441200726	2.05E-06
peak_33699	chr12	11156048	11156440	23306	intron (NM_001168266, intron 9 of 17)	NM_001168266	slc4a1b	-0.360322949	3.080956955	-3.441279904	0.005144
peak_3668	chr7	62702111	62703163	-20515	Intergenic	NM_001083551	rbpjb	7.198929758	10.64027795	-3.441348195	2.99E-14
peak_5198	chr19	30727797	30728463	-90221	Intergenic	NM_131162	ntla	5.665539629	9.107241568	-3.441701939	3.78E-12
peak_23628	chr14	21381430	21382095	223911	Intergenic	NM_152963	fmr1	3.19853316	6.64107788	-3.442544719	0.000217
peak_18579	chr16	26369280	26370188	5075	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	2.935977657	6.378856846	-3.442879188	1.86E-05
peak_20532	chr13	45447100	45447594	3322	exon (NM_001130654, exon 2 of 2)	NM_001128283	LOC100002333	2.986785331	6.430115755	-3.443330424	5.38E-05
peak_9371	chr16	31473332	31473714	29061	Intergenic	NR_029995		2.812734601	6.256565299	-3.443830698	7.03E-09

peak_13564	chr6	1818155	1818858	-46699	Intergenic	NM_001004109	quo	4.811214863	8.256542967	-3.445328104	5.87E-07
peak_18167	chr13	29794417	29795311	52147	Intergenic	NM_001145571	chst3a	4.054663095	7.500434105	-3.44577101	1.50E-05
peak_5188	chr19	33831386	33831913	-789	promoter-TSS (NM_001044826)	NM_001044826	atxn1a	4.221107285	7.666954393	-3.445847108	3.69E-12
peak_15722	chr19	520154	520454	75575	Intergenic	NM_001001730	cyp51	2.570823028	6.01707396	-3.446250933	3.10E-06
peak_16814	chr15	47191228	47191697	37633	Intergenic	NR_030402		2.122017822	5.568608115	-3.446590293	6.34E-06
peak_13949	chr25	25607395	25607793	-140068	Intergenic	NM_001002089_1	tsg101a	2.735417151	6.182193268	-3.446776116	8.05E-07
peak_12981	chr2	10950162	10950383	-39568	Intergenic	NM_001099976	cryz	1.426730103	4.873547971	-3.446817868	3.45E-07
peak_13218	chr13	29136285	29136741	127052	Intergenic	NM_001020523	nsmce4a	2.865148941	6.31232712	-3.447178179	4.28E-07
peak_16366	chr17	15859144	15859498	-72357	Intergenic	NM_001080054	znf395a	1.984009138	5.431385173	-3.447376035	4.80E-06
peak_4340	chr17	31658944	31659590	11535	Intergenic	NM_001201430	si:dkey-170l10.1	4.865104932	8.312518917	-3.447413985	3.09E-13
peak_8360	chr12	44986394	44986828	-209923	Intergenic	NM_001110011_1	dock1	3.327031342	6.774594118	-3.447562776	1.72E-09
peak_7643	chr10	42299044	42299545	6114	intron (NM_001039812, intron 1 of 19)	NM_001039812	bmp1b	2.722150645	6.169843004	-3.447692359	5.48E-10
peak_9394	chr1	35639160	35639878	-15622	Intergenic	NM_131356	smad1	3.984090193	7.432192488	-3.448102295	7.32E-09
peak_4311	chr5	322928	325169	-73543	Intergenic	NM_214750	rnf170	7.255098308	10.70343986	-3.448341557	2.82E-13
peak_5673	chr5	29327309	29327881	157527	Intergenic	NM_205585	sfrp1a	4.095254858	7.544122032	-3.448867174	1.16E-11
peak_8835	chr21	10491744	10492150	31700	intron (NM_001083836, intron 10 of 10)	NM_001083836	zgc:162344	2.950271315	6.399323513	-3.449052197	3.36E-09
peak_7793	chr4	4856347	4856806	-50749	Intergenic	NM_001013456	ndufa5	4.42871364	7.878123394	-3.449409754	6.83E-10
peak_15743	chr5	21204178	21204553	-20873	Intergenic	NM_131099	foxn4	1.938847741	5.388327015	-3.449479274	3.16E-06
peak_4523	chr7	13825494	13826363	-30222	Intergenic	NM_001100436	rplp2l	5.116995205	8.566618529	-3.449623324	5.71E-13
peak_17348	chr19	47240596	47240994	182304	intron (NM_001177934, intron 6 of 7)	NM_200669	ptpn12	1.950271315	5.399923749	-3.449652434	8.80E-06
peak_13527	chr16	6103859	6104193	40134	intron (NM_001080653, intron 8 of 10)	NM_001077257_1	foxo1a	2.31603542	5.7657472	-3.449711781	5.66E-07
peak_4680	chr1	5329026	5329568	28295	intron (NM_001020643, intron 1 of 3)	NM_001020643	klf7a	4.500574775	7.950339427	-3.449764652	8.89E-13
peak_14949	chr16	25132920	25133593	87018	Intergenic	NM_001003997	flad1	4.451116927	7.900991016	-3.449874089	1.73E-06
peak_24044	chr8	40834510	40835124	-481689	Intergenic	NM_001083829_1	pcsk5b	-0.360322949	3.090112618	-3.450435567	0.000262
peak_9990	chr6	42775114	42775575	23650	intron (NM_001014822, intron 1 of 17)	NM_001014822	sema3fa	2.803316476	6.254406255	-3.45108978	1.55E-08
peak_18285	chr7	57170909	57171509	-190644	Intergenic	NM_212606	cdh15	2.912638768	6.364550813	-3.451912045	1.60E-05
peak_17847	chr10	16948119	16948361	29562	Intergenic	NM_001079660	rab36	1.618352549	5.070587969	-3.452235419	1.24E-05
peak_5333	chr13	25394330	25395214	27220	intron (NM_001272084, intron 3 of 10)	NM_001272084	adka	5.200258454	8.652612745	-3.452354291	5.09E-12
peak_17818	chr7	29827999	29828294	57531	intron (NM_001002327, intron 11 of 19)	NM_001002327	st5	1.984009138	5.43677653	-3.452767392	1.21E-05
peak_9172	chr14	7093790	7094527	70798	Intergenic	NM_001077568	ctsf	4.144641387	7.597569898	-3.45292851	5.29E-09
peak_5971	chr8	16841624	16842348	-63523	intron (NM_212973, intron 13 of 18)	NM_001007064	dmrta2	5.056723348	8.509652847	-3.452929499	2.20E-11
peak_29501	chr15	13350394	13350902	204379	Intergenic	NM_201179	sars2	2.544684847	5.997849905	-3.453165058	0.001759
peak_10895	chr16	55981500	55981944	31106	Intergenic	NM_001197202	ifnlr1	3.506390602	6.960856554	-3.454465951	4.42E-08
peak_3721	chr10	27919167	27920320	188130	Intergenic	NM_152948	cxadr	5.635260365	9.089922375	-3.454662011	3.63E-14
peak_3952	chr2	33824394	33825297	-5147	Intergenic	NM_213001	klhl20	6.651354575	10.1062006	-3.454846025	8.78E-14
peak_6215	chr10	7684534	7685158	-10789	Intergenic	NM_001099416	st8sia4	3.727139892	7.182342282	-3.455202389	3.87E-11
peak_9376	chr8	53539310	53539832	31741	intron (NM_001040037, intron 1 of 19)	NM_001040037	bmp1a	4.324838852	7.780816555	-3.455977703	7.11E-09
peak_11102	chr23	3687556	3688301	6788	intron (NM_001020538, intron 2 of 5)	NM_001020538	pacsin1a	2.806462687	6.262535593	-3.456072906	5.48E-08
peak_33309	chr4	55875469	55875845	261705	Intergenic	NM_001111199	zgc:173710	-0.360322949	3.096134851	-3.4564578	0.004709
peak_13214	chr13	2854687	2855293	-10515	Intergenic	NM_001161598	si:ch211-239i4.3	4.347758476	7.804407799	-3.456649323	4.26E-07
peak_8294	chr14	22152583	22152943	-8197	Intergenic	NM_001040390	zgc:136929	2.800163388	6.257293572	-3.457130184	1.57E-09
peak_5369	chr17	11800065	11800789	121156	intron (NM_001037400, intron 5 of 11)	NM_001037400	smyd3	4.360658081	7.818251483	-3.457593403	5.43E-12
peak_9814	chr8	1557424	1557841	97815	Intergenic	NM_131026_1	efna5b	2.540911861	5.998571212	-3.457659351	1.27E-08
peak_14875	chr21	26750088	26750483	-14780	Intergenic	NM_001115144	rbm14a	2.751830549	6.209543732	-3.457713183	1.65E-06
peak_23855	chr3	11449713	11450381	33819	intron (NM_001256204, intron 21 of 23)	NM_001256204	elac2	3.700328943	7.158134898	-3.457805954	0.000243
peak_11435	chr19	27990617	27991125	25370	exon (NM_213258, exon 10 of 11)	NM_213258	atat1	2.871171366	6.331294517	-3.460123151	7.68E-08
peak_3939	chr5	65276778	65277480	99416	Intergenic	NM_212616_1	zgc:85789	5.016415696	8.476914695	-3.460498999	8.16E-14
peak_6180	chr8	18246852	18247594	43932	intron (NM_001030091, intron 4 of 17)	NM_001030091	prkcz	4.36599906	7.82718777	-3.46118871	3.59E-11
peak_28544	chr14	6413876	6414867	19086	intron (NM_001114586, intron 4 of 45)	NM_001114586	abca1b	0.625495796	4.08700693	-3.461511134	0.001307
peak_14230	chr7	26464587	26464956	-26614	Intergenic	NM_212666	cyp26b1	2.430813397	5.892925391	-3.462111995	1.01E-06
peak_5098	chr4	3876682	3877412	24326	Intergenic	NM_001144049	gpr37b	3.928693146	7.390847802	-3.462154656	2.91E-12
peak_18667	chr13	32881086	32881361	-9205	Intergenic	NM_001145591	bend3	1.426730103	4.889211488	-3.462481384	1.95E-05
peak_6113	chr8	24564484	24565125	19	promoter-TSS (NM_131468)	NM_131468	ppardb	3.961605146	7.424300876	-3.46269573	3.17E-11
peak_35849	chr5	72922905	72923298	14556	exon (NM_001007410, exon 10 of 16)	NM_001007410	ythdc1	-0.360322949	3.102675971	-3.46299892	0.008297
peak_17636	chr13	49757712	49758154	-32080	Intergenic	NM_001003463	ntpcr	1.787481669	5.250762484	-3.463280815	1.08E-05
peak_22046	chr18	42411548	42412071	-17001	Intergenic	NM_001005575	bcl9l	3.523698724	6.987169158	-3.463470434	0.000111
peak_5323	chr13	5145700	5146343	99925	Intergenic	NM_131893	meis1	4.62366127	8.087332302	-3.463671032	4.98E-12
peak_3601	chr7	20716053	20717711	-2771	Intergenic	NM_001037559	slc7a7	7.209078287	10.67373787	-3.464659581	2.26E-14
peak_16536	chr24	38867062	38867313	15695	Intergenic	NM_001002057	gnptg	1.224639552	4.689349027	-3.464709475	5.37E-06
peak_4787	chr6	6529700	6530853	-49018	Intergenic	NM_001014319	zgc:113227	5.38775394	8.852507719	-3.464753779	1.22E-12
peak_14501	chr25	24832890	24833486	-35349	Intergenic	NM_131149	th	2.363802745	5.829205835	-3.465403089	1.26E-06
peak_9019	chr16	23846484	23847018	33904	Intergenic	NM_001045163	si:ch211-154o6.2	3.834563943	7.300517475	-3.465953532	4.31E-09
peak_6993	chr11	44066249	44066708	-201411	Intergenic	NM_212914	foxg1b	4.057383766	7.523805619	-3.466421853	1.68E-10
peak_7659	chr14	21400631	21401184	243056	Intergenic	NM_152963	fmr1	5.134699206	8.601763632	-3.467064426	5.64E-10
peak_4213	chr14	41213391	41213920	480979	Intergenic	NM_001127519	pcdh19	4.964424746	8.431809914	-3.467385169	2.07E-13
peak_5360	chr11	29078870	29079390	-15851	Intergenic	NM_001033094_1	ephb2b	4.36599906	7.833470614	-3.467471554	5.36E-12
peak_13619	chr19	474814	475348	-33125	Intergenic	NM_200674	dus3l	2.363802745	5.831676231	-3.467873486	6.15E-07
peak_6049	chr10	35870444	35871290	60006	Intergenic	NM_001113658	spg20a	5.548475398	9.016802221	-3.468326824	2.68E-11
peak_5764	chr23	14539088	14539608	-23419	Intergenic	NM_001113646	nkain4	4.854460154	8.322923444	-3.468463291	1.39E-11
peak_20659	chr15	27384982	27385475	49136	Intergenic	NM_001007424	dhrs13a.3	3.19853316	6.667279563	-3.468746402	5.73E-05
peak_4156	chr19	35095701	35097230	29841	intron (NM_001076776, intron 1 of 10)	NM_001076776	runx1t1	6.266448947	9.73547639	-3.469027443	1.67E-13
peak_17884	chr5	42784309	42784851	22415	Intergenic	NM_001002505	sub1b	3.19853316	6.668412786	-3.469879625	1.27E-05
peak_16857	chr17	33033010	33033820	35593	intron (NM_131405, intron 3 of 3)	NM_131405	prox1a	4.826063007	8.296115187	-3.47005218	6.50E-06
peak_3749	chr17	34962783	34963539	-9908	Intergenic	NM_201291	id2a	6.272467252	9.742681965	-3.470214713	4.06E-14
peak_14178	chr17	21053200	21053597	289	exon (NM_001045435, exon 2 of 9)	NM_001045435	hspa12a	2.31603542	5.786257768	-3.470222348	9.72E-07
peak_8774	chr1	28815699	28816182	8615	intron (NM_001002746, intron 4 of 22)	NM_001002746	pcca	2.880158125	6.35043713	-3.470279005	3.03E-09
peak_4219	chr13	11167539	11168626	12172	Intergenic	NM_001082952	zbtb18	5.958052247	9.428850772	-3.470798525	2.12E-13
peak_4233	chr21	14247970	14248680	42597	Intergenic	NM_001003568	mzt2b	5.366532072	8.837446122	-3.47091405	2.22E-13
peak_9275	chr3	31006289	31006747	33016	Intergenic	NM_001098186	suv420h2	3.335768134	6.806809106	-3.471040972	6.14E-09
peak_9700	chr5	31416470	31417107	2463	intron (NM_001144790, intron 2 of 6)	NM_001144790	si:ch211-215c18.	3.086222395	6.557810832	-3.471588437	1.08E-08
peak_23923	chr6	53468079	53469084	59144	intron (NM_001013503, intron 13 of 14)	NM_213481_1	gnb1b	3.951610027	7.424140357	-3.47253033	0.000249
peak_9550	chr21	16242333	16242761	-127780	Intergenic	NM_001012312	gsna	2.632603848	6.105186437	-3.472582589	8.95E-09
peak_8076	chr3	32465630	32466540	-12808	Intergenic	NM_181437	prl	4.64320069	8.1163261	-3.473125409	1.09E-09
peak_11956	chr4	7940893	7941500	138262	Intergenic	NM_001260500	scube1	3.580151749	7.053645464	-3.473493716	1.29E-07
peak_3691	chr2	35413205	35413930	-35299	Intergenic	NM_001020770	ankrd45	6.970418617	10.4441466	-3.473727979	3.23E-14
peak_26415	chr10	18664007	18664481	-244832	Intergenic	NM_199776	ppp2r2d	2.081035483	5.555063928	-3.474028444	0.000635
peak_14876	chr12	37987015	37987469	-75076	Intergenic	NR_034207		1.984009138	5.458333133	-3.474323995	1.65E-06
peak_3815	chr5	20300898	20302030	379767	Intergenic	NM_201009	aacs	6.3901151	9.865217946	-3.475102846	5.33E-14
peak_3748	chr14	18731387	18732721	-9624	Intergenic	NM_001256194	slbp	5.530457231	9.005660532	-3.475203301	4.04E-14
peak_17734	chr14	7217301	7217872	49373	Intergenic	NM_001013291	trpt1	3.006230172	6.482076769	-3.475846597	1.15E-05
peak_14635	chr4	13062094	13062745	-24682	Intergenic	NM_001030098	prickle1b	2.909716015	6.385818929	-3.476102914	1.39E-06
peak_23783	chr15	32823658	32824275	-20375	Intergenic	NM_152974	mab21l1	2.702019304	6.17910024	-3.477080936	0.000235
peak_14484	chr1	53099925	53100747	53875	Intergenic	NM_214729	aptx	2.728799148	6.205938783	-3.477139635	1.24E-06
peak_21034	chr24	29391018	29391496	-30904	Intergenic	NM_200595	fbxo45	3.710343543	7.18784302	-3.477499477	6.82E-05
peak_5095	chr2	33744668	33745386	-33888	intron (NM_201074, intron 6 of 11)	NM_130988	ptch2	5.502059234	8.979799787	-3.477740554	2.90E-12
peak_28932	chr7	54591940	54592480	11356	Intergenic	NM_001083552	oraov1	2.234016866	5.711790337	-3.477773471	0.001483
peak_7090	chr1	4097767	4098382	-75175	Intergenic	NM_001003842	spry2	4.969345824	8.447283672	-3.477937848	2.07E-10
peak_10770	chr20	39035223	39035663	92385	intron (NM_001082893, intron 5 of 5)	NM_214819	rcan2	3.17667448	6.654693209	-3.478018729	3.74E-08
peak_11040	chr5	66657409	66657878	1419	intron (NM_001007457, intron 1 of 4)	NM_001007457	prdm12b	3.086222395	6.565375471	-3.479153076	5.12E-08
peak_11713	chr4	17796552	17797146	13325	intron (NM_001130612, intron 9 of 10)	NM_001130612	atxn10	3.576470503	7.055828164	-3.479357661	9.92E-08
peak_3768	chr18	19547466	19548225	-5878	Intergenic	NM_175083	smad3b	6.002059697	9.481710068	-3.479650371	4.48E-14
peak_12320	chr22	12680549	12680921	-53745	Intergenic	NM_001002453	zgc:92335	2.320443851	5.800615742	-3.480171891	1.82E-07
peak_6387	chr7	22168908	22169573	34339	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	4.898008447	8.379530462	-3.481522015	5.40E-11
peak_26965	chr23	9465531	9465867	90727	Intergenic	NM_001002641	acss2	1.944570835	5.426106488	-3.481535654	0.000769
peak_9298	chr5	51770902	51771152	50520	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	2.091390725	5.572976687	-3.481585961	6.38E-09

peak_23857	chr24	1934198	1934869	-292183	Intergenic	NM_212616	zgc:85789	3.710343543	7.192145944	-3.481802402	0.000243
peak_30329	chr14	38173445	38173857	11127	intron (NM_001020465, intron 2 of 2)	NM_001020465	zgc:113271	-0.360322949	3.122556218	-3.482879167	0.002214
peak_4995	chr11	16739616	16740762	138589	Intergenic	NM_001030143	slc25a26	7.10250033	10.58594802	-3.483447691	2.23E-12
peak_3845	chr14	44585384	44586211	176496	Intergenic	NM_001115099	pcdh18b	6.136244659	9.62007117	-3.483826511	5.96E-14
peak_4485	chr19	37780400	37780979	432636	Intergenic	NM_131814	angpt2b	4.658131683	8.142451187	-3.484319504	5.12E-13
peak_13299	chr25	17337692	17338114	6152	intron (NM_001089445, intron 3 of 4)	NM_001089445	ccnd2a	2.521897487	6.006444146	-3.484546659	4.63E-07
peak_4843	chr21	8012678	8013392	67	promoter-TSS (NM_001045299)	NM_001045299	crb2a	5.875649898	9.360560757	-3.484910859	1.46E-12
peak_7623	chr2	52559945	52561116	456	intron (NM_001044922, intron 1 of 13)	NM_001044922	scn12aa	4.917054279	8.402558308	-3.485504028	5.34E-10
peak_20167	chr23	32091344	32091707	37454	Intergenic	NM_131266	cmyb	2.912638768	6.398156315	-3.485517547	4.51E-05
peak_3804	chr14	37593428	37595239	4307	intron (NM_213200, intron 1 of 6)	NM_213200	gpm6aa	7.392464768	10.87800815	-3.485543378	5.06E-14
peak_5214	chr14	44595172	44596449	186509	Intergenic	NM_001115099	pcdh18b	5.68407117	9.17008298	-3.486011809	3.88E-12
peak_11130	chr12	2171257	2171934	-14232	Intergenic	NM_131643	sox9a	3.529533336	7.015874375	-3.48634104	5.66E-08
peak_8285	chr7	13645252	13645759	-82	promoter-TSS (NM_001080696)	NM_001080696	zgc:158785	3.546567647	7.033426347	-3.4868587	1.55E-09
peak_28593	chr13	27015151	27015609	7696	intron (NM_201170, intron 7 of 13)	NM_201170	vrk2	1.984009138	5.470879572	-3.486870434	0.001328
peak_8392	chr4	14607322	14608041	61222	intron (NM_214804, intron 5 of 9)	NM_214804	chchd3	4.364932445	7.852271944	-3.487339499	1.81E-09
peak_3887	chr18	9821114	9821697	-62615	Intergenic	NM_001100024	LOC566572	4.76734639	8.254782827	-3.487436436	7.02E-14
peak_11070	chr16	47253372	47253980	118928	Intergenic	NM_001123063	dpys	3.498630944	6.986290419	-3.487659475	5.35E-08
peak_26034	chr5	8219475	8219750	-49106	intron (NM_212640, intron 9 of 9)	NM_001246284_1	nipbla	-0.360322949	3.128007618	-3.488330568	0.000556
peak_8123	chr19	6937473	6938273	69962	Intergenic	NM_131684	atp1a3a	4.412286634	7.900743408	-3.488456774	1.19E-09
peak_11771	chr1	10406141	10406632	115092	Intergenic	NM_001128774	knstrn	3.378798964	6.86781558	-3.489016616	1.06E-07
peak_10998	chr10	28155319	28155701	423897	Intergenic	NM_152948	cxadr	2.64320069	6.132253508	-3.489052817	4.92E-08
peak_28101	chr16	56559602	56560026	33565	intron (NM_001098197, intron 3 of 10)	NM_001097586	nkd2b	0.653720264	4.14278677	-3.489066506	0.00114
peak_11665	chr19	10035891	10036264	-16316	Intergenic	NR_029986		2.346615242	5.835859556	-3.489244314	9.55E-08
peak_9896	chr21	15996022	15996406	-2207	Intergenic	NM_001018132	barhl1b	3.111880861	6.601846801	-3.48996594	1.39E-08
peak_3689	chr5	46111081	46111876	3909	Intergenic	NM_001111220	gas1a	6.529505567	10.01972772	-3.490222148	3.19E-14
peak_7079	chr7	47725547	47726219	96290	Intergenic	NM_130995	ccne1	5.03873779	8.529241561	-3.490503771	2.02E-10
peak_12571	chr7	38667778	38668239	-101429	Intergenic	NM_001146014	sall1a	3.293658114	6.784324564	-3.49066645	2.33E-07
peak_6132	chr16	6414062	6414497	23740	Intergenic	NM_200796	elovl4a	3.10167217	6.592554681	-3.490882511	3.28E-11
peak_34581	chr9	20331070	20331519	121064	Intergenic	NM_001115052	si:dkey-281i8.1	2.614767619	6.106010922	-3.491243304	0.006303
peak_22502	chr17	33063332	33063746	5469	intron (NM_131405, intron 2 of 3)	NM_131405	prox1a	1.831388386	5.323174678	-3.491786291	0.000135
peak_11660	chr11	938434	938889	-44810	intron (NM_212882_3, intron 7 of 8)	NM_001042731	hrh1	2.800163388	6.292182712	-3.492019324	9.52E-08
peak_15595	chr7	30274100	30275027	-74020	Intergenic	NM_198826	dnaaf1	2.862128275	6.354586585	-3.492458309	2.78E-06
peak_4146	chr23	28700480	28701184	-78421	Intergenic	NR_029989		4.904629727	8.397119662	-3.492489934	1.65E-13
peak_5704	chr6	26864782	26865825	-15524	Intergenic	NM_001008599	zgc:103559	4.865859134	8.35907147	-3.493212336	1.21E-11
peak_16311	chr1	18420043	18420431	28814	Intergenic	NM_001102393	tmem192	2.664163689	6.157851833	-3.493688144	4.63E-06
peak_4230	chr14	31979650	31981013	-22653	intron (NM_131860, intron 2 of 8)	NM_194421	hs6st2	6.68943152	10.18337403	-3.493942508	2.19E-13
peak_6379	chr19	47949740	47950482	13733	Intergenic	NM_001017816	utp23	3.498630944	6.993135503	-3.494504558	5.33E-11
peak_30122	chr8	45846329	45846785	8547	Intergenic	NM_130917	fzd10	2.614767619	6.109276989	-3.49450937	0.002096
peak_14500	chr9	32498852	32499713	59101	Intergenic	NM_001173502	tmtc4	3.559678887	7.054503428	-3.494824541	1.26E-06
peak_12497	chr17	46126024	46126481	150583	Intergenic	NR_029933		2.944570835	6.439466199	-3.494895364	2.18E-07
peak_7974	chr25	18758540	18759400	58823	Intergenic	NM_194380	dusp6	4.71709532	8.212077637	-3.494982318	9.18E-10
peak_16903	chr16	45037274	45037702	-29908	Intergenic	NM_001089393	zgc:162160	1.806462687	5.301615442	-3.495152754	6.68E-06
peak_9998	chr3	20291706	20292275	-284363	Intergenic	NM_194417	sepw2a	3.038698769	6.533928617	-3.495229848	1.56E-08
peak_17585	chr5	29160391	29160851	-9447	Intergenic	NM_205585	sfrp1a	2.122017822	5.617370691	-3.495352869	1.04E-05
peak_12942	chr17	19387650	19388186	-22449	Intergenic	NM_001029951	cyp26c1	3.665997984	7.161668201	-3.495670217	3.30E-07
peak_26461	chr13	24038704	24039263	-28626	Intergenic	NM_131707	oprm1	0.625495796	4.12118525	-3.495689454	0.000642
peak_8206	chr24	1751741	1752254	292805	Intergenic	NM_001113644_4	zgc:172101	3.044039864	6.539800062	-3.495760198	1.35E-09
peak_34442	chr1	60287211	60287580	-3138	Intergenic	NM_201088	parn	-0.360322949	3.135532974	-3.495855923	0.00611
peak_17848	chr2	45559984	45560343	5821	intron (NM_200438, intron 2 of 14)	NM_200438	gpsm2	1.205700064	4.702158133	-3.496458068	1.24E-05
peak_27192	chr5	68405439	68405742	-23736	Intergenic	NM_001002146	zgc:86715	1.234016866	4.730605748	-3.496588882	0.00083
peak_16718	chr7	28451372	28451689	35114	intron (NM_001123009, intron 2 of 14)	NM_001123009	sox6	2.075829856	5.573398471	-3.497568616	6.02E-06
peak_6860	chr10	19064076	19064669	16867	Intergenic	NM_001004006	tmem230a	3.927248682	7.425268149	-3.498019468	1.31E-10
peak_12735	chr8	48792432	48792795	-771	promoter-TSS (NM_131080)	NM_131080	her3	2.455073397	5.953115904	-3.498042507	2.74E-07
peak_13289	chr23	33625894	33626534	-51118	Intergenic	NM_001002424	slc48a1a	2.563403173	6.06159724	-3.498194066	4.59E-07
peak_18577	chr12	32589652	32590476	-56908	Intergenic	NM_001024427	crygmxl2	3.081035483	6.579614369	-3.498578885	1.86E-05
peak_15960	chr17	29916654	29916989	19625	intron (NM_212954, intron 2 of 5)	NM_212954	esrrga	2.247969535	5.746550258	-3.498580723	3.66E-06
peak_5734	chr13	31555862	31556343	-36142	Intergenic	NM_213410	prdm8	3.644959288	7.143578039	-3.498618751	1.30E-11
peak_12926	chr7	20029366	20029730	66514	intron (NM_001017819, intron 6 of 12)	NM_001017819	mllt3	2.106785545	5.605531151	-3.498745606	3.25E-07
peak_8650	chr5	56948113	56949002	-10365	Intergenic	NM_001003753	gna14	4.18281102	7.681560433	-3.498749413	2.51E-09
peak_9746	chr9	29996386	29996880	-24157	intron (NM_001007200, intron 14 of 25)	NM_200089	epb41l5	3.855979326	7.354879526	-3.498900199	1.16E-08
peak_7399	chr7	33316826	33317736	38019	intron (NM_200239, intron 14 of 17)	NM_200239	kif18a	5.24398162	8.742977206	-3.498995586	3.64E-10
peak_20715	chr25	15101918	15102446	-28549	Intergenic	NM_200452	dnajc24	1.984009138	5.483302116	-3.499292978	5.89E-05
peak_8119	chr18	11174488	11174964	325758	Intergenic	NM_001013335	zgc:110789	3.093967964	6.593328116	-3.499360152	1.18E-09
peak_23323	chr22	15673865	15674567	21759	intron (NM_001037373, intron 1 of 8)	NM_001037373	gpc1a	3.898051465	7.398175412	-3.500123947	0.000192
peak_18143	chr9	7749339	7749613	-16192	Intergenic	NM_001009886	mnx2a	1.467052111	4.967657615	-3.500605503	1.48E-05
peak_36797	chr12	11836549	11836871	134453	Intergenic	NM_001003834	top2a	-0.360322949	3.140388838	-3.500711787	0.010108
peak_6156	chr2	21811976	21812459	32745	intron (NM_001256694, intron 1 of 9)	NM_001256694	tox	3.849893014	7.350686942	-3.500793928	3.45E-11
peak_5502	chr13	30064024	30064714	69808	Intergenic	NM_131184	pax2a	5.200293341	8.701479254	-3.501185913	7.67E-12
peak_7062	chr2	17549152	17549757	50327	intron (NM_001083576, intron 2 of 32)	NM_001083576	ptprfb	3.933017882	7.43424053	-3.501222648	1.95E-10
peak_8161	chr16	51551332	51552177	53071	intron (NM_001003763, intron 2 of 7)	NM_001003763	eif3ha	5.822091642	9.323645156	-3.501553513	1.25E-09
peak_14488	chr7	28421664	28422021	5426	intron (NM_001123009, intron 1 of 14)	NM_001123009	sox6	1.66069094	5.16266387	-3.501972929	1.25E-06
peak_5574	chr16	48587592	48588190	-125326	Intergenic	NM_001115093	rgl2	3.679788522	7.181959061	-3.502170539	9.29E-12
peak_17262	chr10	35670684	35670958	-42469	Intergenic	NM_001013500	nbeaa	1.639677051	5.142153229	-3.502476178	8.35E-06
peak_21195	chr24	15269831	15270419	-234159	Intergenic	NM_001080646	cd226	3.898051465	7.400970056	-3.502918591	7.40E-05
peak_4376	chr13	13009705	13010337	107026	Intergenic	NM_001045208	letm1	5.504967087	9.00793517	-3.502968083	3.57E-13
peak_12251	chr22	21304195	21304528	-33567	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	2.247969535	5.751029565	-3.50306003	1.71E-07
peak_16598	chr2	7684324	7684893	81899	Intergenic	NM_001013525	kcnmb2	3.706980322	7.210107987	-3.503127665	5.58E-06
peak_5480	chr11	14787914	14788857	226227	Intergenic	NM_001122654	ptbp1b	5.124614504	8.62784279	-3.503228286	7.31E-12
peak_20385	chr12	2102854	2103316	54278	Intergenic	NM_131643	sox9a	2.122017822	5.625257982	-3.50324016	5.06E-05
peak_13412	chr16	7685723	7686049	-47480	Intergenic	NM_001007396	mboat1	2.200926086	5.704166615	-3.503240529	5.15E-07
peak_6344	chr5	30688848	30689318	77363	Intergenic	NM_001089376	stxbp1b	3.504454597	7.007849885	-3.503395288	4.95E-11
peak_18423	chr24	13170215	13171282	6228	intron (NM_001080583, intron 2 of 5)	NM_001080583	rdh10a	3.205700064	6.709096172	-3.503396108	1.71E-05
peak_7685	chr23	17935103	17935593	-18783	Intergenic	NR_030063		4.008884304	7.512801183	-3.503916879	5.83E-10
peak_14397	chr11	43160364	43161083	-57137	Intergenic	NM_001105592	her15.2	1.653720264	5.158297855	-3.50457759	1.16E-06
peak_24899	chr24	38589658	38589963	-3662	Intergenic	NM_001195241	kcnc3b	1.205700064	4.711229853	-3.505529789	0.000373
peak_4250	chr20	33470050	33470620	56287	Intergenic	NM_001044809	smek1	5.148401839	8.653979526	-3.505577687	2.31E-13
peak_14791	chr16	34795283	34795816	-78742	Intergenic	NM_131160	pou3f2b	3.075829856	6.581686047	-3.505856192	1.56E-06
peak_5087	chr7	29274870	29275509	209374	Intergenic	NM_173219	lmo1	5.578258609	9.085239977	-3.506981368	2.81E-12
peak_7701	chr9	8140362	8141009	-297897	Intergenic	NM_001109720	zgc:171776	5.379265637	8.886326884	-3.507061247	6.02E-10
peak_4217	chr2	7677347	7678327	75128	Intergenic	NM_001013525	kcnmb2	5.955220153	9.462886063	-3.50766591	2.11E-13
peak_22866	chr9	36942874	36943445	-11430	Intergenic	NM_131690	atp1a1b	3.988171427	7.495913201	-3.507741773	0.000158
peak_15329	chr2	10042694	10042979	-29136	Intergenic	NM_200576	gadd45aa	2.31603542	5.824514938	-3.508479518	2.32E-06
peak_14274	chr20	40990293	40990694	189497	Intergenic	NM_001100023	si:dkey-233p4.1	1.618352549	5.128180764	-3.509828215	1.04E-06
peak_3809	chr15	36066931	36067694	-123637	Intergenic	NM_001040687	nphs1	5.206856367	8.717173258	-3.510316891	5.18E-14
peak_5196	chr19	47321427	47322252	227005	intron (NM_001177934, intron 5 of 7)	NM_001177934	trps1	4.304890152	7.815287669	-3.510397516	3.77E-12
peak_6023	chr11	44778885	44779357	-82080	Intergenic	NM_001002123	ralbb	3.335768134	6.846576071	-3.510807936	2.50E-11
peak_5022	chr14	4899721	4900415	-202431	Intergenic	NM_001017822_1	zgc:110204	4.901690687	8.412621969	-3.510931282	2.38E-12
peak_8162	chr12	44303901	44304632	-17885	Intergenic	NM_001005950	glrx3	4.069219889	7.580184184	-3.510964295	1.25E-09
peak_5622	chr8	242759	243441	37365	intron (NM_199992, intron 3 of 19)	NM_199992	sema6a	5.346106353	8.857135349	-3.511028997	1.03E-11
peak_15899	chr7	33334755	33334995	20425	intron (NM_200239, intron 9 of 17)	NM_200239	kif18a	1.831388386	5.342488974	-3.511100588	3.49E-06
peak_9776	chr22	34324291	34324838	-8729	Intergenic	NM_001037661_1	slc6a6b	2.874173177	6.385670621	-3.511497445	1.20E-08
peak_18957	chr5	73248325	73248622	-88707	Intergenic	NM_001003629	rgs3a	0.234016866	3.745976437	-3.511959571	2.31E-05
peak_3408	chr9	54928223	54928975	-173599	Intergenic	NM_001009888	sox21b	6.311825665	9.824020237	-3.512194573	1.08E-14
peak_15228	chr11	16893772	16894041	-65474	Intergenic	NM_001110030	kbtbd8	2.075829856	5.588529077	-3.512699221	2.15E-06
peak_8586	chr3	11027866	11028287	17121	intron (NM_001077531, intron 1 of 6)	NM_001077531	srl	3.174240955	6.687137256	-3.512896301	2.33E-09

peak_7976	chr1	20840344	20840934	68459	Intergenic	NM_001083851	zgc:153957	3.438945476	6.952122332	-3.513176856	9.18E-10
peak_20951	chr14	44455772	44456176	46673	Intergenic	NM_001115099	pcdh18b	1.950271315	5.463475325	-3.513204009	6.53E-05
peak_13011	chr16	35872892	35873190	-33736	Intergenic	NM_131161	pou3f1	1.426730103	4.94017932	-3.513449217	3.57E-07
peak_8225	chr22	38824867	38825439	433508	Intergenic	NM_001113587	hykk.2	3.781005458	7.29481337	-3.513807912	1.40E-09
peak_12865	chr9	34042473	34042769	29	promoter-TSS (NM_205750)	NM_205750	vangl1	1.467052111	4.980863844	-3.513811732	3.06E-07
peak_7278	chr5	65472519	65473324	73066	Intergenic	NM_001110103	aspa	5.626831226	9.14083845	-3.514007224	2.96E-10
peak_26888	chr13	32358128	32358472	-9672	Intergenic	NM_001006079	osr1	1.205700064	4.719882392	-3.514182328	0.00075
peak_17675	chr16	35905243	35906105	-1103	Intergenic	NM_131161	pou3f1	2.521897487	6.036928801	-3.515031314	1.11E-05
peak_17747	chr20	26675733	26676142	-22361	Intergenic	NM_200604	exoc2	2.614767619	6.12989188	-3.515124261	1.17E-05
peak_4875	chr24	6725688	6726356	-266945	Intergenic	NM_131774	anxa13	3.851417001	7.366919168	-3.515502167	1.62E-12
peak_13781	chr3	46692486	46693101	95027	Intergenic	NM_001020667	raver1	2.540911861	6.056955238	-3.516043377	6.97E-07
peak_23925	chr25	3375088	3375433	-7721	intron (NM_213722, intron 7 of 7)	NM_001002474	ldhbb	0.978440673	4.494494818	-3.516054145	0.000249
peak_12080	chr23	28594043	28594384	-4311	Intergenic	NM_170762	neurod4	2.096540606	5.612701083	-3.516160477	1.44E-07
peak_8279	chr20	32460191	32460641	15479	intron (NM_001037106, intron 1 of 3)	NM_001037106	snx3	2.434885166	5.951939462	-3.517054296	1.54E-09
peak_34719	chr12	15941572	15941900	53593	Intergenic	NM_001004668	mylpfb	1.787481669	5.304916533	-3.517434865	0.006452
peak_17296	chr17	8475450	8476065	42999	intron (NM_131715, intron 1 of 8)	NM_001195491	ctbp2a	2.363802745	5.881773013	-3.517970268	8.50E-06
peak_13554	chr3	17683525	17683847	2956	intron (NM_001002649, intron 1 of 27)	NM_001002649	aclya	1.793836463	5.312237681	-3.518401219	5.79E-07
peak_6040	chr25	2750924	2751332	-88227	Intergenic	NM_001079965	adpgk	3.162011373	6.680571228	-3.518559855	2.59E-11
peak_19724	chr13	1204389	1204939	-24649	Intergenic	NM_001110393	olig3	3.309268024	6.827979011	-3.518710987	3.51E-05
peak_13174	chr7	46635677	46636022	55493	Intergenic	NM_001103194	uqcrfs1	1.426730103	4.945699641	-3.518969538	4.15E-07
peak_9569	chr13	17568765	17569290	51588	Intergenic	NM_198840	znf503	2.822091642	6.341163937	-3.519072294	9.20E-09
peak_14200	chr1	36049707	36050091	-95152	Intergenic	NM_212807	pou4f2	2.247969535	5.767564469	-3.519594934	9.85E-07
peak_31349	chr25	35600450	35600770	94938	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	0.944570835	4.464529614	-3.519958779	0.002881
peak_11613	chr1	39931142	39931934	24802	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	4.868915902	8.389722797	-3.520806895	9.16E-08
peak_20118	chr25	5167297	5167547	-35029	Intergenic	NM_001077725	athl1	1.632603848	5.153541634	-3.520937787	4.41E-05
peak_4439	chr3	18280203	18281295	-15946	Intergenic	NM_205616	cbx8a	5.47803224	8.999248482	-3.521216242	4.46E-13
peak_4639	chr9	18014071	18014836	59447	Intergenic	NM_001002190	rgcc	4.42564779	7.947038218	-3.521390428	7.88E-13
peak_18118	chr10	43634176	43634563	28645	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	1.938847741	5.46032247	-3.521474729	1.47E-05
peak_14778	chr4	18588807	18589201	39460	intron (NM_182865, intron 9 of 23)	NM_182865	snd1	2.521897487	6.043613531	-3.521716044	1.55E-06
peak_16422	chr7	57524700	57525125	163059	Intergenic	NM_212606	cdh15	2.614767619	6.136525312	-3.521757693	4.99E-06
peak_4033	chr8	1412753	1413970	20607	Intergenic	NM_131026	efna5b	6.815871747	10.33839537	-3.522523619	1.14E-13
peak_6270	chr15	37995299	37995930	218039	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	3.28916694	6.811851709	-3.522684768	4.32E-11
peak_13772	chr3	22932625	22932987	187972	Intergenic	NM_001128744	cyb561	2.555944961	6.079187963	-3.523243002	6.93E-07
peak_9652	chr2	43455122	43455476	-115060	Intergenic	NM_205674	nrp1b	2.210458296	5.734573948	-3.524115652	1.02E-08
peak_28814	chr23	42777493	42777890	56573	intron (NM_001127473, intron 2 of 3)	NM_001079852	cyp2aa3v1	-0.360322949	3.164082644	-3.524405593	0.001425
peak_15243	chr14	40693724	40694032	-166318	Intergenic	NM_131782	glra4a	1.66069094	5.18563236	-3.52494142	2.17E-06
peak_11165	chr13	19583596	19584128	216270	Intergenic	NM_131280	emx2	3.950271315	7.47531099	-3.525039675	5.86E-08
peak_7482	chr7	55516245	55516951	52863	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	5.103629114	8.629157523	-3.525528409	4.20E-10
peak_34934	chr23	17379366	17379713	-12197	Intergenic	NM_001080652	zgc:158791	0.978440673	4.504018173	-3.5255775	0.006776
peak_8516	chr25	37512762	37513538	25590	Intergenic	NM_213100_1	irx3b	3.669457996	7.195037018	-3.525579022	2.15E-09
peak_9106	chr25	16234254	16234737	35720	intron (NM_001003985, intron 3 of 6)	NM_001003985	syt9b	3.623713297	7.149804265	-3.526090968	4.88E-09
peak_6963	chr20	45184643	45185355	481175	Intergenic	NM_001013534	zgc:103511	4.429734144	7.955859596	-3.526125452	1.60E-10
peak_16747	chr4	5510035	5510485	-5685	Intergenic	NM_001030114	mrps18a	1.467052111	4.993524648	-3.526472536	6.11E-06
peak_12796	chr1	6793235	6793923	19343	intron (NM_131808_1, intron 2 of 4)	NM_131808_1	efnb2b	1.426730103	4.953651051	-3.526920948	2.89E-07
peak_8197	chr25	34880666	34881319	-15413	Intergenic	NM_001110167	roraa	4.834563943	8.36155564	-3.526991698	1.34E-09
peak_6120	chr7	15194215	15194831	25805	Intergenic	NM_001089577	rhcga	4.002039684	7.529641001	-3.527601317	3.20E-11
peak_9611	chr13	5170344	5171044	75252	intron (NM_131893, intron 12 of 12)	NM_131893	meis1	3.552201346	7.080186392	-3.527985046	9.69E-09
peak_29573	chr23	13774478	13774838	58450	Intergenic	NR_030650		1.426730103	4.955012437	-3.528282333	0.001796
peak_22645	chr25	33479527	33479960	4347	intron (NM_001077544, intron 1 of 12)	NM_001077544	ctdspl2a	1.632603848	5.162397542	-3.529793694	0.000145
peak_13910	chr15	30087785	30088385	25941	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	3.747021639	7.277143527	-3.530121888	7.77E-07
peak_4032	chr2	47609283	47609959	28523	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	5.650247795	9.180804046	-3.530556251	1.14E-13
peak_11065	chr16	17860285	17860631	-92688	Intergenic	NM_153650	has2	2.10167217	5.632246163	-3.530573994	5.31E-08
peak_29808	chr14	1344315	1344632	-20239	Intergenic	NM_001128574	il21	-0.360322949	3.170864889	-3.531187838	0.00192
peak_7512	chr21	28818234	28818659	31348	Intergenic	NM_001002076	fabp6	3.581988855	7.113283126	-3.531294271	4.43E-10
peak_9112	chr12	5611330	5611785	-5209	Intergenic	NM_001161653	plce1	3.348774912	6.881840152	-3.53306524	4.92E-09
peak_26203	chr8	23524139	23524503	-129672	Intergenic	NM_001199436	si:ch211-261n11.	1.243333623	4.776643357	-3.533309734	0.000591
peak_5586	chr2	49357015	49358575	-71002	Intergenic	NM_001077752	zgc:123035	7.086355871	10.62018322	-3.53382735	9.62E-12
peak_18811	chr19	49681231	49681464	61530	intron (NM_001040330, intron 2 of 8)	NM_001001889	ctnnb2	1.800163388	5.334482874	-3.534319486	2.14E-05
peak_14504	chr16	42375113	42375442	-137928	intron (NM_001076716, intron 6 of 13)	NM_182855	tgfbr2	2.122017822	5.656859116	-3.534841294	1.26E-06
peak_4649	chr23	27256000	27256838	34332	Intergenic	NM_200528	zgc:66440	4.503485619	8.038596822	-3.535111202	8.04E-13
peak_18733	chr16	12643765	12644269	99102	Intergenic	NM_131602	dedd1	2.664163689	6.200202945	-3.536039256	2.03E-05
peak_9426	chr17	20929955	20931092	-1997	Intergenic	NM_001017862	entpd6	5.753556765	9.289819642	-3.536262877	7.60E-09
peak_3590	chr8	18362596	18363587	-21448	Intergenic	NM_001006662	st6galnac5b	5.654618905	9.191496274	-3.536877369	2.13E-14
peak_14926	chr4	547331	548069	18777	intron (NM_001002170, intron 8 of 8)	NM_001002170	mapre3b	3.753556765	7.291471367	-3.537914602	1.71E-06
peak_9534	chr24	21911752	21912650	39842	Intergenic	NM_001008636	spice1	4.993742789	8.532548151	-3.538805362	8.70E-09
peak_15505	chr19	29391300	29391742	-116447	Intergenic	NM_213122	sox4a	2.247969535	5.78703927	-3.539069734	2.62E-06
peak_30939	chr3	47821158	47821413	122299	Intergenic	NM_001017696	mrpl12	-0.360322949	3.178947475	-3.539270424	0.002582
peak_25498	chr15	2113426	2114138	63860	intron (NM_131769, intron 5 of 7)	NM_201196	shox2	3.612971808	7.153060337	-3.54008853	0.000463
peak_24441	chr19	31569734	31570028	34563	Intergenic	NM_213235	khdrbs1b	0.978440673	4.518906156	-3.540465484	0.000309
peak_4258	chr11	42511329	42512066	-12007	Intergenic	NM_131332_1	pax7a	5.633046941	9.173636559	-3.540589618	2.37E-13
peak_10166	chr11	21049032	21049615	-298660	intron (NM_131086, intron 5 of 16)	NM_001002230	tuba7l	3.981308804	7.521903431	-3.540594627	1.87E-08
peak_12236	chr14	51797262	51797576	75087	intron (NM_001017782_1, intron 14 of 17)	NM_001017782_1	dctn4	1.831388386	5.37247378	-3.541085393	1.68E-07
peak_3653	chr14	33508882	33510201	-109780	Intergenic	NM_001039135	inppl1b	6.593659014	10.13478809	-3.541129072	2.83E-14
peak_4597	chr6	56277033	56277793	158036	Intergenic	NM_001008576_1	tfap2c	6.318744063	9.860015359	-3.541271295	6.99E-13
peak_15607	chr11	2278030	2278759	-49438	Intergenic	NM_200495	hnrnpa1a	3.825287705	7.366789884	-3.541502178	2.81E-06
peak_4898	chr6	35231971	35232494	79133	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	4.843015081	8.385277175	-3.542262095	1.71E-12
peak_3481	chr9	57188423	57189285	-54143	Intergenic	NM_001082994	tbl1x	5.744515468	9.287320184	-3.542804716	1.41E-14
peak_4488	chr11	44939762	44940330	39569	intron (NM_001015069_1, intron 1 of 3)	NM_001015069_1	gli2b	4.568099124	8.112294016	-3.544194891	5.16E-13
peak_5266	chr9	15230022	15230694	-449292	Intergenic	NM_212966	nrp2b	4.166915653	7.711507228	-3.544591575	4.45E-12
peak_8064	chr22	24578464	24578910	-26637	Intergenic	NR_029937		2.800163388	6.344901816	-3.544738428	1.08E-09
peak_6870	chr22	24889239	24889742	65670	intron (NM_001003617, intron 5 of 9)	NM_001003617	nek7	3.76976623	7.314785335	-3.545019105	1.33E-10
peak_25221	chr20	8763438	8763697	-166518	Intergenic	NM_001040685	dab1a	1.205700064	4.750927967	-3.545227903	0.000419
peak_6819	chr13	26901040	26901608	-26514	Intergenic	NM_212982	fancl	3.629054199	7.174574491	-3.545520291	1.23E-10
peak_7124	chr12	23046631	23047928	7570	Intergenic	NM_001020680	mrpl27	5.08686945	8.632484889	-3.545615439	2.19E-10
peak_3421	chr10	10315195	10317045	-20670	Intergenic	NR_029938		7.055372674	10.60131935	-3.545946673	1.12E-14
peak_5401	chr20	32410358	32411383	33439	intron (NM_001025482, intron 7 of 12)	NM_001025482	lace1b	6.229663022	9.775732205	-3.546069183	5.97E-12
peak_10594	chr12	9814059	9814683	27392	intron (NM_213300, intron 2 of 18)	NM_213300	exoc6	3.461075187	7.007284388	-3.546209201	3.05E-08
peak_26904	chr19	12458421	12458709	11551	intron (NM_001002873, intron 4 of 12)	NM_001002873	ctdp1	-0.360322949	3.185897242	-3.546220191	0.000755
peak_14405	chr24	26545873	26546339	39337	Intergenic	NM_200440	klhl24b	1.961605146	5.507990805	-3.546385659	1.16E-06
peak_5181	chr9	22611043	22611608	42095	Intergenic	NM_001123235	arhgef7a	3.496684491	7.043414843	-3.546730352	3.62E-12
peak_4903	chr17	38848474	38849770	108100	Intergenic	NM_131525	sptb	5.821359569	9.368809493	-3.547449924	1.73E-12
peak_4363	chr17	7027223	7028109	156067	Intergenic	NM_001023572	zbtb24	6.24164216	9.789293514	-3.547651354	3.31E-13
peak_32155	chr6	32419134	32419435	-18322	Intergenic	NM_001082940	mafa	-0.360322949	3.187512487	-3.547835436	0.003547
peak_3365	chr10	45381420	45382165	82506	Intergenic	NM_200592	nr2f1b	6.140925638	9.688829003	-3.547903365	9.03E-15
peak_3773	chr15	18974168	18974945	22826	Intergenic	NM_001017764	zgc:112083	5.976038448	9.524251295	-3.548212847	4.55E-14
peak_4010	chr6	41640463	41641117	-98769	Intergenic	NM_200137	rad18	5.401373514	8.949788492	-3.548414978	1.08E-13
peak_8947	chr20	30277287	30277839	119229	Intergenic	NM_001002716	allc	2.880158125	6.42946477	-3.549306645	3.91E-09
peak_17272	chr20	1681455	1682013	-87289	Intergenic	NM_001278799	lama2	2.702019304	6.251337932	-3.549318627	8.40E-06
peak_15885	chr9	56812878	56813610	-34470	Intergenic	NM_001013334	gpm6bb	4.216315102	7.765708825	-3.549393723	3.47E-06
peak_6468	chr12	29036937	29037332	3886	intron (NM_001002450, intron 1 of 2)	NM_001002450	meox1	3.395609492	6.945094441	-3.549484949	6.27E-11
peak_33972	chr16	58281210	58281495	178	intron (NM_001077321_1, intron 1 of 7)	NM_001077321_1	spag1b	-0.360322949	3.189627697	-3.549950646	0.005494
peak_17219	chr11	33449477	33449898	85814	intron (NM_001160822, intron 3 of 3)	NM_001160822	pcdh17	2.570823028	6.121330888	-3.55050786	8.13E-06
peak_15586	chr10	45039674	45040574	16143	Intergenic	NR_045221		3.18152925	6.732264596	-3.550735345	2.77E-06
peak_14979	chr8	34707478	34707857	198639	Intergenic	NM_001098243	pbx3b	2.862128275	6.412915362	-3.550787087	1.77E-06
peak_23596	chr13	22062348	22062794	96263	Intergenic	NM_001145707	zswim8	2.320443851	5.871816477	-3.551372626	0.000215

peak_13868	chr13	35403787	35404267	-156786	Intergenic	NM_131863	jag1b	2.66069094	6.212185735	-3.551494794	7.50E-07
peak_7874	chr1	42957541	42957944	295506	intron (NM_001159372, intron 5 of 15)	NM_001159372	ctnna2	3.389328476	6.941005261	-3.551676785	7.76E-10
peak_10103	chr20	39195169	39195676	48829	Intergenic	NM_001030189	cyp39a1	3.350931353	6.904602884	-3.553671532	1.74E-08
peak_12021	chr8	41507605	41508547	-51473	Intergenic	NM_001013516	msi1	4.668593771	8.222531384	-3.553937613	1.36E-07
peak_9690	chr19	34746329	34746967	-11703	Intergenic	NM_001083083	nkd3l	4.837642815	8.391674658	-3.554031843	1.07E-08
peak_16580	chr18	22620068	22620470	46157	intron (NM_200787, intron 3 of 7)	NM_200787	gnao1a	3.188780911	6.742962468	-3.554181557	5.52E-06
peak_4278	chr5	52229630	52230747	237646	Intergenic	NM_001135983	zgc:194908	4.825242463	8.379631123	-3.55438866	2.56E-13
peak_16864	chr8	29376067	29377018	910	intron (NM_213637, intron 1 of 1)	NM_213637	scrt2	3.531436	7.086283389	-3.55484739	6.51E-06
peak_16917	chr17	18486601	18486921	140615	Intergenic	NM_213385	vrk1	1.812734601	5.368315223	-3.555580622	6.74E-06
peak_4417	chr3	6651420	6652393	-87912	Intergenic	NM_001089460	pkn1b	5.211017346	8.766798439	-3.555781092	4.12E-13
peak_12664	chr21	7519946	7520973	-1442	Intergenic	NM_001128703	otpa	4.264212416	7.820069282	-3.555856867	2.53E-07
peak_5474	chr18	7273228	7274744	171210	Intergenic	NM_001044963	rabl2	7.309903247	10.86604757	-3.556144327	7.25E-12
peak_9195	chr5	74164770	74165170	224131	Intergenic	NM_001017876_1	fsip1	2.947423891	6.503801918	-3.556378027	5.48E-09
peak_11933	chr17	32774605	32774868	-2606	Intergenic	NM_001076587	eva1a	1.646715745	5.203242714	-3.556526969	1.27E-07
peak_8661	chr25	12324226	12324483	214494	intron (NM_001256664, intron 11 of 16)	NM_001256664	ntrk3a	2.447031973	6.003826892	-3.556794919	2.54E-09
peak_33510	chr22	4356106	4356617	-10842	Intergenic	NM_131047	calr	0.215200887	3.772518035	-3.557317148	0.004936
peak_13879	chr16	7468876	7469705	-10511	Intergenic	NM_131059	ctnnb1	3.707078536	7.264674267	-3.55759573	7.59E-07
peak_3767	chr1	37076523	37077462	31012	intron (NM_001145789, intron 2 of 17)	NM_001145788	dclk2	5.758821157	9.316431966	-3.557610809	4.47E-14
peak_16568	chr19	28557353	28558039	58624	Intergenic	NM_131823	irx1b	3.073219981	6.630902725	-3.557682744	5.47E-06
peak_13893	chr4	17740550	17740996	-18328	Intergenic	NR_029978		2.66069094	6.218483931	-3.557792991	7.66E-07
peak_2811	chr13	13282914	13284409	-128034	Intergenic	NM_131606	fgfr3	6.4192396	9.977232602	-3.557993002	7.98E-16
peak_5515	chr10	5883103	5883941	29605	exon (NM_001044911, exon 10 of 10)	NM_001012374	fut10	4.073143782	7.631378041	-3.558234259	7.89E-12
peak_5156	chr25	35168724	35169345	33858	Intergenic	NM_131285	foxb1a	3.774593768	7.33289258	-3.558298812	3.41E-12
peak_8087	chr4	21372959	21373641	-42538	Intergenic	NM_200791	zgc:73329	3.911263383	7.469682694	-3.558419311	1.11E-09
peak_6761	chr1	1761493	1761926	-20162	Intergenic	NM_001159837	slc5a3a	2.961605146	6.520429864	-3.558824719	1.11E-10
peak_24030	chr13	17657650	17657881	-63735	Intergenic	NM_001163808	comtd1	-0.360322949	3.198640993	-3.558963942	0.00026
peak_31534	chr4	33265240	33266071	-38010	Intergenic	NM_001128297	si:dkey-122c11.1	-0.360322949	3.198705706	-3.559028655	0.003026
peak_3206	chr19	21368252	21368886	84764	Intergenic	NM_214704	cndp2	5.532833648	9.092120848	-3.5592872	4.54E-15
peak_23082	chr8	24165319	24166170	-43463	Intergenic	NM_001020476	dnmt3b	3.795328417	7.35578	-3.560451583	0.000175
peak_20813	chr15	38007801	38008605	205450	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	3.657311474	7.21881116	-3.561499687	6.14E-05
peak_13834	chr7	24883787	24884080	29104	Intergenic	NM_001003457	zgc:92429	1.653720264	5.215714502	-3.561994237	7.30E-07
peak_29580	chr25	33467943	33468238	-7306	intron (NM_001017881, intron 8 of 9)	NM_001077544	ctdspl2a	-0.360322949	3.201708821	-3.562031771	0.001797
peak_6452	chr1	19059769	19061002	-248554	Intergenic	NM_207071	mettl14	6.07640556	9.638800597	-3.562395037	6.11E-11
peak_16746	chr1	53644105	53644510	111130	Intergenic	NM_001039565	il15	2.116958245	5.679500695	-3.56254245	6.11E-06
peak_2991	chr23	7927566	7928292	143643	Intergenic	NM_001100145	kif3b	6.888718223	10.45163416	-3.56291594	1.96E-15
peak_20927	chr8	21053285	21053580	12004	intron (NM_001290336, intron 2 of 10)	NM_001045850	csnk1g2b	1.467052111	5.030005173	-3.562953062	6.48E-05
peak_15753	chr12	27027010	27027374	66819	Intergenic	NM_001007313	ppm1bb	2.247969535	5.811416744	-3.563447209	3.18E-06
peak_12413	chr6	35234614	35235168	76474	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	3.17667448	6.740207983	-3.563533503	2.03E-07
peak_17665	chr17	19418379	19418815	37855	Intergenic	NM_001037575	reep3a	3.19853316	6.7627843	-3.56425114	1.10E-05
peak_9153	chr5	51743384	51744078	77816	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	3.655466094	7.219875532	-3.564409438	5.16E-09
peak_19965	chr21	3853825	3854253	-164670	Intergenic	NM_175082	smad7	2.075829856	5.64047521	-3.564645354	4.03E-05
peak_7361	chr1	49843280	49843709	-15840	Intergenic	NM_131260	msxb	3.169361555	6.734524462	-3.565162907	3.39E-10
peak_30650	chr14	44263396	44263838	-145684	Intergenic	NM_001115099	pcdh18b	2.471023015	6.036422992	-3.565399977	0.002396
peak_4031	chr24	21915306	21916119	36331	Intergenic	NM_001008636	spice1	5.842609659	9.408185435	-3.565575775	1.14E-13
peak_13687	chr8	50435295	50435835	-326692	Intergenic	NM_001128741	zgc:195023	4.451116927	8.017067845	-3.565950918	6.50E-07
peak_5861	chr11	32182406	32183765	-22485	Intergenic	NM_001201559	im:7137555	6.108379765	9.674564674	-3.566184908	1.74E-11
peak_15327	chr11	16336166	16336611	20820	intron (NM_001033727, intron 1 of 6)	NM_001033727	draxin	2.664163689	6.230403129	-3.56623944	2.32E-06
peak_5430	chr1	31002238	31002932	-14524	Intergenic	NM_001163312	lbx1b	5.540439543	9.106885793	-3.56644625	6.50E-12
peak_31409	chr19	21317531	21317871	33896	Intergenic	NM_214704	cndp2	0.625495796	4.191980027	-3.566484231	0.002921
peak_3321	chr20	698579	699245	19919	Intergenic	NM_001040331	nrl	5.725478726	9.292105613	-3.566626887	7.46E-15
peak_8194	chr4	16066444	16067062	57327	intron (NM_001033585, intron 9 of 14)	NM_001033585	sox5	3.432850718	7.000066287	-3.567215569	1.33E-09
peak_8678	chr19	2548189	2548511	-2205	Intergenic	NM_213241	sp8a	2.886118348	6.45419182	-3.568073472	2.64E-09
peak_16680	chr23	27398465	27399129	-5294	Intergenic	NM_001214908	wu:fc13c02	3.057306726	6.625527311	-3.568220586	5.87E-06
peak_20906	chr22	32103486	32103839	172622	Intergenic	NM_207637	adra2a	1.44299439	5.011232253	-3.568237863	6.43E-05
peak_12352	chr7	38232876	38233486	212260	Intergenic	NR_036681		3.078435017	6.647360993	-3.568925976	1.90E-07
peak_15925	chr24	6762885	6763144	-303937	Intergenic	NM_131774	anxa13	1.800163388	5.369345356	-3.569181968	3.56E-06
peak_29851	chr9	36324208	36324450	-283297	intron (NM_131830, intron 1 of 16)	NM_152886	appb	-0.360322949	3.209620909	-3.569943858	0.00194
peak_4399	chr7	17834180	17834747	-31217	Intergenic	NM_131158	dbx1a	3.92580277	7.495791138	-3.569988368	3.89E-13
peak_7546	chr21	33525140	33525791	98615	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	4.186438186	7.756510454	-3.570072268	4.76E-10
peak_10195	chr6	3935861	3936467	-67830	Intergenic	NM_200247	unc50	3.046703014	6.616969125	-3.570266111	1.94E-08
peak_6533	chr8	14812914	14813827	-57396	intron (NM_001245100, intron 2 of 14)	NM_001044945	sin3b	5.216349603	8.786770292	-3.570420689	7.15E-11
peak_23243	chr5	24989091	24989463	-3083	Intergenic	NM_001166334	nlgn3b	1.646715745	5.217421841	-3.570706096	0.000186
peak_16636	chr18	39995495	39995946	53957	Intergenic	NM_131511	fzd9b	1.618352549	5.189482457	-3.571129908	5.70E-06
peak_10756	chr5	21379047	21379452	101718	Intergenic	NM_001007349	mvk	2.809602052	6.380955375	-3.571353323	3.68E-08
peak_6216	chr6	29499225	29499787	-5487	Intergenic	NM_194376	ptmaa	3.348774912	6.92072716	-3.571952248	3.88E-11
peak_41054	chr5	43960441	43961005	38866	Intergenic	NR_048926_10		0.653720264	4.22591528	-3.572195016	0.021525
peak_30255	chr5	2000608	2001127	14075	intron (NM_001007430, intron 11 of 16)	NM_001007430	zgc:101699	-0.360322949	3.212773634	-3.573096583	0.002172
peak_20871	chr17	27915784	27916218	245063	Intergenic	NM_001242995	kdm1a	2.122017822	5.696554725	-3.574536903	6.30E-05
peak_14834	chr22	36757901	36758317	515282	Intergenic	NM_001003610	nicn1	1.938847741	5.513547107	-3.574699367	1.61E-06
peak_19770	chr22	40274602	40274931	60918	Intergenic	NM_213118	sox2	1.467052111	5.041993372	-3.574941261	3.59E-05
peak_6824	chr15	19461939	19462512	27911	intron (NM_200665, intron 4 of 10)	NM_200665	timm50	4.057383766	7.632569837	-3.575186071	1.24E-10
peak_3483	chr25	15227190	15227902	82850	Intergenic	NM_131304	pax6a	4.888347099	8.46375921	-3.575412111	1.42E-14
peak_10033	chr10	35560494	35560938	-152574	Intergenic	NM_001013500	nbeaa	4.241010068	7.81659289	-3.575582822	1.62E-08
peak_4168	chr18	22137291	22138178	57307	Intergenic	NM_200689	tmem170a	5.25841321	8.834488637	-3.576075427	1.78E-13
peak_26505	chr20	1123772	1124124	19417	intron (NM_212867, intron 4 of 15)	NM_212867	rngtt	1.426730103	5.00420503	-3.577474927	0.000654
peak_20787	chr21	3822145	3822602	-133004	Intergenic	NM_175082	smad7	2.986785331	6.564501394	-3.577716063	6.08E-05
peak_13811	chr5	46363026	46363386	-61751	intron (NM_001099990, intron 12 of 24)	NM_212584	ctsla	2.346615242	5.924866696	-3.578251454	7.13E-07
peak_3760	chr2	59928594	59929857	13435	intron (NM_212882_1, intron 8 of 9)	NR_030000		6.430528789	10.00891365	-3.57838486	4.31E-14
peak_7290	chr9	24329510	24330022	41011	intron (NM_001128536, intron 2 of 7)	NM_001128536	tmem163a	2.548447992	6.127070357	-3.578622365	3.01E-10
peak_17683	chr5	45998853	45999248	33713	Intergenic	NM_001122786	tars	2.363802745	5.942771144	-3.578968399	1.11E-05
peak_7941	chr11	16943664	16944195	-15451	Intergenic	NM_001110030	kbtbd8	3.653720264	7.232746664	-3.5790264	8.67E-10
peak_13624	chr16	9024949	9025331	101950	Intergenic	NM_001077532	cnot10	2.075829856	5.655981128	-3.580151273	6.17E-07
peak_5078	chr12	44717733	44718340	58652	intron (NM_001110011_1, intron 7 of 20)	NM_001110011_1	dock1	4.360658081	7.941133952	-3.580475871	2.76E-12
peak_8356	chr3	19093784	19094815	23370	intron (NM_181603, intron 26 of 32)	NM_181603	smarca4a	3.041371788	6.622121816	-3.580750028	1.71E-09
peak_8165	chr13	47113655	47114615	49788	Intergenic	NM_001089468_1	ate1	4.231678245	7.813681031	-3.582002785	1.25E-09
peak_22887	chr15	15063618	15064321	25811	Intergenic	NM_200099	dynll2a	4.104305698	7.686674871	-3.582369174	0.00016
peak_9637	chr4	16575259	16575659	-17055	Intergenic	NM_001045096	recql	2.797003394	6.379599012	-3.582595619	1.00E-08
peak_22977	chr17	10985832	10986118	-36899	Intergenic	NM_214731	dact1	1.243333623	4.826113344	-3.582779721	0.000167
peak_4414	chr21	3068565	3069396	130961	Intergenic	NM_213302	hnrnpabb	5.588400367	9.171263032	-3.582862665	4.07E-13
peak_8109	chr7	51232041	51232752	59639	Intergenic	NM_131231	ascl1b	5.127725403	8.710746847	-3.583021445	1.16E-09
peak_27627	chr5	36248269	36248601	-13912	Intergenic	NM_001114845	hexa	0.625495796	4.20877172	-3.583275924	0.000968
peak_16757	chr10	23252481	23252978	-66917	Intergenic	NM_200607	slc25a1a	2.935977657	6.519481584	-3.583503926	6.16E-06
peak_4185	chr19	26449327	26450552	-6726	Intergenic	NM_001202459	jarid2b	4.417440195	8.001339173	-3.583898978	1.89E-13
peak_18385	chr23	28504541	28505014	-61202	Intergenic	NM_145195	birc5b	2.614767619	6.198689439	-3.58392182	1.68E-05
peak_26474	chr1	39314704	39315063	-44158	Intergenic	NM_205734	vegfc	1.618352549	5.202408401	-3.584055852	0.000646
peak_9677	chr18	19626219	19626524	25651	intron (NM_001045129, intron 14 of 20)	NM_001045129	iqch	2.210458296	5.794542528	-3.584084232	1.05E-08
peak_3064	chr18	41466334	41467245	142627	intron (NM_001167569, intron 4 of 5)	NM_001167569	pvrl1b	5.817833269	9.402089556	-3.584256288	2.64E-15
peak_31434	chr20	22607459	22607752	-45269	Intergenic	NM_001075113	lnx1	-0.360322949	3.224116634	-3.584439583	0.002936
peak_6537	chr5	68093307	68093819	-4799	Intergenic	NM_131153	rxrab	3.284661742	6.869575756	-3.584914014	7.21E-11
peak_19694	chr15	8556342	8556928	87375	Intergenic	NM_001128700	tmem160	3.420583411	7.005524741	-3.58494133	3.46E-05
peak_18880	chr13	30978315	30978700	-49493	Intergenic	NM_178307	cxcl12a	2.363802745	5.948836338	-3.585033593	2.21E-05
peak_17313	chr11	4591507	4592051	232897	Intergenic	NM_001077310		2.075829856	5.662229282	-3.586399426	8.59E-06
peak_3877	chr8	5136659	5137535	51349	Intergenic	NM_001102640	tmem230b	6.250926802	9.837699074	-3.586772272	6.90E-14
peak_4536	chr19	37763368	37763968	415615	Intergenic	NM_131814	angpt2b	3.961605146	7.548488776	-3.58688363	5.96E-13
peak_3029	chr24	21854135	21856175	12242	intron (NM_001005393, intron 1 of 18)	NM_001005393	boc	7.863956371	11.45096615	-3.587009775	2.30E-15

peak_13313	chr21	8718103	8718481	2389	intron (NM_001037701, intron 1 of 14)	NM_001037701	mapk10	2.459077363	6.046163726	-3.587086363	4.69E-07
peak_2850	chr2	9400033	9401088	14539	intron (NM_200930, intron 1 of 6)	NM_200930	gipc2	6.217549113	9.804913799	-3.587364686	9.95E-16
peak_10978	chr16	18765963	18766768	187914	Intergenic	NM_001003589	ccdc12	4.411193427	7.998937685	-3.587744258	4.76E-08
peak_25132	chr7	31669641	31669930	34237	intron (NM_131850, intron 8 of 12)	NM_131850	aldh1a2	1.205700064	4.793844024	-3.58814396	0.000406
peak_21539	chr14	22188701	22188935	27858	exon (NM_001040390, exon 5 of 9)	NM_001040390	zgc:136929	1.243333623	4.832212738	-3.588879115	8.71E-05
peak_19095	chr5	6154763	6155071	116050	Intergenic	NM_205570	zgc:73226	0.95594936	4.545033808	-3.589084447	2.50E-05
peak_5950	chr6	32749346	32749831	-24896	Intergenic	NM_001042687	pomgnt1	3.399781695	6.988902125	-3.58912043	2.09E-11
peak_3269	chr7	15211551	15212835	43475	Intergenic	NM_001089577	rhcga	7.189285663	10.77892756	-3.589641897	5.95E-15
peak_11239	chr19	36894351	36894810	15324	Intergenic	NM_001020633	ndufs5	3.027956891	6.618155568	-3.590198677	6.27E-08
peak_16007	chr1	46101825	46102522	2475	exon (NM_001024418, exon 2 of 10)	NM_001024418	Sep-03	4.334615356	7.9249779	-3.590362544	3.79E-06
peak_27117	chr6	36677664	36678106	65747	intron (NM_001007298, intron 27 of 28)	NM_001007298	opa1	-0.360322949	3.230186271	-3.59050922	0.000809
peak_10532	chr21	9224657	9226150	41746	intron (NM_001080201, intron 1 of 5)	NM_001163923_1	ccbe1	5.407054143	8.997744045	-3.590689902	2.83E-08
peak_10231	chr8	55227121	55227499	9230	intron (NM_212609, intron 1 of 11)	NM_212609	gnb1a	2.091390725	5.682120909	-3.590730184	2.01E-08
peak_16594	chr10	45016969	45017738	38914	Intergenic	NR_045221		4.00759772	7.599809653	-3.592211933	5.57E-06
peak_4749	chr5	718452	718993	-72013	Intergenic	NM_001045284_1	thap1	5.227576515	8.821007617	-3.593431102	1.09E-12
peak_12639	chr3	20084708	20085256	-77355	Intergenic	NM_194417	sepw2a	4.477074143	8.071187184	-3.594113041	2.47E-07
peak_5657	chr22	18523595	18524155	-19887	Intergenic	NM_212916	gatad2ab	4.384073326	7.978270446	-3.59419712	1.12E-11
peak_11205	chr11	35909944	35910230	16771	Intergenic	NM_001003538	chchd4	2.075829856	5.670123337	-3.594293482	6.02E-08
peak_13045	chr18	23468163	23468702	190633	Intergenic	NM_131183	nr2f2	3.111880861	6.706485949	-3.594605088	3.70E-07
peak_14252	chr15	17243961	17244357	-60433	Intergenic	NM_001039638	or131-2	3.200926086	6.796194814	-3.595268727	1.03E-06
peak_5918	chr3	51586124	51586598	-200468	Intergenic	NM_001102636	zgc:165582	4.243401343	7.838939246	-3.595537903	1.96E-11
peak_13019	chr17	46357054	46357423	381569	Intergenic	NR_029933		2.459077363	6.054661051	-3.595583688	3.61E-07
peak_9413	chr5	24275513	24275999	-18204	Intergenic	NM_001202510	rpl36a	3.678071896	7.274261937	-3.596190041	7.49E-09
peak_5636	chr20	22564018	22564749	-88491	Intergenic	NM_001075113	lnx1	3.554074368	7.150600016	-3.596525648	1.06E-11
peak_7239	chr5	21485220	21485850	-9804	Intergenic	NM_001126454	fam222a	5.673721122	9.270436887	-3.596715765	2.75E-10
peak_5444	chr2	47602496	47603167	21733	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	4.89727087	8.494223437	-3.596952567	6.71E-12
peak_14352	chr10	34641939	34642279	39989	Intergenic	NM_200088	c21orf59	2.238682765	5.835886537	-3.597203772	1.10E-06
peak_15501	chr10	28066119	28066737	334815	Intergenic	NM_152948	cxadr	3.261922272	6.859473158	-3.597550886	2.61E-06
peak_23487	chr6	4401837	4402309	-30127	Intergenic	NM_201285	pou4f1	3.057306726	6.654958193	-3.597651467	0.000206
peak_11247	chr5	51107486	51107770	-295908	Intergenic	NM_001201438	si:dkey-172m14.:	1.967238845	5.565901468	-3.598662623	6.31E-08
peak_4550	chr1	51407102	51408057	-23009	Intergenic	NM_131215	otx1a	5.825242463	9.424324616	-3.599082154	6.19E-13
peak_8158	chr5	66855275	66855823	57529	Intergenic	NM_001002470	surf4l	4.297082589	7.89620683	-3.59912424	1.24E-09
peak_13291	chr15	16169412	16169708	-12174	intron (NM_212706, intron 15 of 15)	NM_001024399	mrpl28	1.426730103	5.025948913	-3.59921881	4.59E-07
peak_3119	chr10	4127880	4129192	74458	Intergenic	NM_200920	pitpnb	6.888357926	10.48765656	-3.599298635	3.08E-15
peak_19366	chr8	32182505	32182896	34486	Intergenic	NM_205691	gadd45g	2.42263522	6.022216445	-3.599581225	2.87E-05
peak_3263	chr21	19544380	19545558	2054	TTS (NM_213226)	NM_213226	zgc:85869	6.305985867	9.905974985	-3.599989118	5.85E-15
peak_3998	chr15	3456952	3457641	63377	Intergenic	NM_001077257	foxo1a	6.155531108	9.75626218	-3.600731071	1.05E-13
peak_27382	chr12	22774288	22774603	122562	intron (NM_001037121, intron 3 of 8)	NM_001037121	ca10a	-0.360322949	3.240500379	-3.600823328	0.000887
peak_18413	chr1	46669400	46670023	-21729	Intergenic	NM_001037662	sox1b	4.497714822	8.099057372	-3.60134255	1.70E-05
peak_14899	chr3	46054070	46054387	99116	Intergenic	NM_001135975	shisa9b	1.787481669	5.38917654	-3.601694871	1.68E-06
peak_6561	chr24	11389314	11389831	-111373	intron (NM_205728, intron 4 of 14)	NM_213449	prpf4bb	4.28916694	7.890943004	-3.601776064	7.49E-11
peak_25350	chr21	38313466	38313800	16250	intron (NM_001103111, intron 2 of 5)	NM_001103111	mntb	-0.360322949	3.241702208	-3.602025157	0.00044
peak_25837	chr16	9238558	9238807	30976	intron (NM_001030206, intron 12 of 13)	NM_001030206	ano10a	1.205700064	4.807819524	-3.60211946	0.000519
peak_3878	chr9	26851989	26853649	-21246	intron (NM_001114551, intron 1 of 8)	NM_001017560	gtdc1	5.805283662	9.408097573	-3.602813911	6.91E-14
peak_9604	chr24	42935680	42936030	31586	intron (NM_131210, intron 1 of 12)	NM_131210	acvr2b	2.64320069	6.24610638	-3.60290569	9.62E-09
peak_21133	chr19	28461807	28462098	5925	Intergenic	NM_001017699	med10	1.243333623	4.846788761	-3.603455139	7.16E-05
peak_16811	chr16	32932354	32932720	24551	Intergenic	NM_001013340	fam210a	1.787481669	5.391048921	-3.603567252	6.34E-06
peak_4409	chr17	18476011	18476776	150983	Intergenic	NM_213385	vrk1	5.822525535	9.426596726	-3.604071192	3.98E-13
peak_15652	chr8	27473554	27474077	-11613	Intergenic	NM_001128346	si:ch211-106g4.2	3.081035483	6.685133836	-3.604098353	2.92E-06
peak_2973	chr10	33090148	33091248	31564	Intergenic	NM_131076	wnt11r	6.315159013	9.919781447	-3.604622434	1.84E-15
peak_16408	chr19	31891368	31891864	12603	intron (NM_001003606, intron 1 of 11)	NM_001003606	fam49a	2.751830549	6.356717397	-3.604886848	4.94E-06
peak_14039	chr17	24116062	24116284	-30752	Intergenic	NM_131250	otx1b	0.967238845	4.572257878	-3.605019032	8.75E-07
peak_4977	chr4	4719367	4720448	42626	Intergenic	NM_001089551	slc13a4	4.903160956	8.508745543	-3.605584587	2.11E-12
peak_13336	chr5	36530352	36530623	-69729	Intergenic	NM_213129	ankra2	1.639677051	5.245373319	-3.605696268	4.84E-07
peak_20127	chr10	10603653	10604010	-30817	Intergenic	NM_001109694	dbh	1.618352549	5.224364229	-3.60601168	4.43E-05
peak_4038	chr5	50765444	50765893	13078	Intergenic	NM_001080029	arrdc3a	4.165691145	7.771835518	-3.606144373	1.16E-13
peak_37614	chr14	52155379	52155858	117825	intron (NM_001114465_1, intron 4 of 12)	NM_001114465_1	unc5a	-0.360322949	3.246181726	-3.606504675	0.011873
peak_7360	chr8	21016374	21017003	-9652	Intergenic	NM_001003563	zgc:101100	4.656389079	8.264606365	-3.608217286	3.39E-10
peak_6546	chr2	30350227	30351333	57794	intron (NM_001193651, intron 3 of 21)	NM_001193651	ctnnd2b	5.6784762	9.287021175	-3.608544975	7.31E-11
peak_11856	chr14	3162214	3162509	-25991	Intergenic	NM_131590	cd74a	1.467052111	5.076118319	-3.609066207	1.16E-07
peak_12282	chr17	34950241	34950567	-22665	Intergenic	NM_201291	id2a	1.95594936	5.5657236	-3.609774239	1.76E-07
peak_9540	chr20	36608828	36609244	32885	intron (NM_001013521, intron 1 of 12)	NM_001013521	enah	2.086222395	5.696035879	-3.609813484	8.85E-09
peak_12063	chr23	19386360	19386748	5851	intron (NM_001102675, intron 2 of 2)	NM_001102675	pard6b	3.116958245	6.726892613	-3.609934369	1.42E-07
peak_16405	chr17	30233300	30233643	-30897	Intergenic	NM_001142264	spata17	1.451058288	5.06120722	-3.610148932	4.93E-06
peak_17562	chr16	35125842	35126287	75006	Intergenic	NM_001114427	zgc:172323	2.075829856	5.685998432	-3.610168576	1.03E-05
peak_13211	chr5	39222449	39222780	-26784	Intergenic	NM_001099989	LOC558044	1.243333623	4.853738179	-3.610404556	4.26E-07
peak_13374	chr1	55956738	55956957	123237	Intergenic	NM_001114563	zgc:172106	1.831388386	5.442270213	-3.610881826	5.00E-07
peak_4251	chr17	24138120	24139255	-8238	Intergenic	NM_131250	otx1b	5.785021604	9.396345445	-3.611323841	2.31E-13
peak_15666	chr22	21312045	21312301	-41379	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	1.205700064	4.817225846	-3.611525782	2.97E-06
peak_13246	chr17	37948231	37948859	14829	Intergenic	NM_001077153	zfp36l1a	2.463070247	6.075982212	-3.612911964	4.39E-07
peak_14107	chr10	1502638	1503044	61724	Intergenic	NM_131732	gdnfa	1.426730103	5.039883082	-3.613152979	9.20E-07
peak_13977	chr11	20475935	20476432	-1334	Intergenic	NM_131636	fezf2	1.984009138	5.597780269	-3.613771131	8.25E-07
peak_3162	chr15	28063957	28064946	-37913	Intergenic	NM_200018	blmh	6.378503906	9.993060327	-3.614556421	3.70E-15
peak_7298	chr19	48514733	48515137	14573	Intergenic	NM_001012369	ext1b	2.537128982	6.15219558	-3.615066598	3.07E-10
peak_21036	chr11	25205836	25206363	-17588	Intergenic	NM_001002102	pnp4a	3.914097927	7.529829285	-3.615731359	6.83E-05
peak_10539	chr13	13466077	13466494	26720	Intergenic	NM_198916	foxi2	3.224639552	6.840597761	-3.615958209	2.85E-08
peak_13759	chr8	52717722	52718165	-73567	Intergenic	NM_001002419	entpd4	1.984009138	5.6006972	-3.616688062	6.86E-07
peak_14093	chr2	27574104	27574911	23037	Intergenic	NM_001076593	zgc:153394	2.664163689	6.280923742	-3.616760053	9.08E-07
peak_9761	chr18	42508211	42509109	21542	intron (NM_001081628, intron 1 of 18)	NM_001081628	cdon	4.352071172	7.969085059	-3.617013887	1.18E-08
peak_31521	chr21	36586606	36586853	-66902	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	-0.360322949	3.257060272	-3.617383221	0.003018
peak_29371	chr21	526494	526808	-48051	Intergenic	NM_200564	rad23b	0.234016866	3.851475978	-3.617459112	0.001694
peak_10740	chr17	17548656	17549195	37506	intron (NM_001123049, intron 2 of 9)	NM_001123049	adck1	3.217566349	6.835095501	-3.617529153	3.61E-08
peak_7552	chr24	20062377	20063463	-5083	Intergenic	NM_001003846	sulf1	4.329220506	7.947054363	-3.617833857	4.82E-10
peak_3145	chr12	46931888	46932842	-104627	Intergenic	NM_131640	pax2b	6.579205489	10.19762366	-3.618418168	3.50E-15
peak_6341	chr17	38128635	38129338	28730	intron (NM_001077519, intron 2 of 29)	NM_001077519	plekhh1	5.349314324	8.967758766	-3.618444442	4.92E-11
peak_14923	chr11	4778553	4779046	45877	Intergenic	NM_001077310		2.935977657	6.554711793	-3.618734136	1.70E-06
peak_7216	chr17	44354072	44354792	-58337	Intergenic	NM_131251	otx2	3.447031973	7.065800323	-3.61876835	2.63E-10
peak_24324	chr24	2007611	2007907	-218957	Intergenic	NM_212616	zgc:85789	1.243333623	4.862699221	-3.619365598	0.000296
peak_5402	chr5	15650186	15650782	292300	Intergenic	NM_001171697	npffr1l2	4.066598018	7.686098699	-3.61950068	5.98E-12
peak_3895	chr4	10809901	10810889	5166	intron (NM_001045016, intron 1 of 7)	NM_001045016	podxl	5.597510523	9.217308936	-3.619798413	7.14E-14
peak_2908	chr16	35797886	35799313	-108178	Intergenic	NM_131161	pou3f1	6.635702642	10.25697296	-3.621270319	1.34E-15
peak_6652	chr1	12173427	12173907	-17795	Intergenic	NM_001115058	pcdh18a	3.718814869	7.340138028	-3.621323159	9.02E-11
peak_16934	chr22	23863493	23864067	-122888	Intergenic	NM_207101	b3galt2	3.368192036	6.989518922	-3.621326886	6.80E-06
peak_3441	chr3	54179327	54182651	16441	intron (NM_131549, intron 9 of 32)	NM_131549	notch3	7.734597582	11.35627045	-3.621672865	1.19E-14
peak_4768	chr3	28819416	28820309	-3452	Intergenic	NM_001201336	fbxl16	4.725478726	8.347348477	-3.62186975	1.15E-12
peak_7692	chr21	7815798	7816477	-25563	intron (NM_212834, intron 6 of 6)	NM_001045564	psmb7	4.200856343	7.823757125	-3.622900783	5.91E-10
peak_6001	chr5	66864550	66865113	48247	Intergenic	NM_001002470	surf4l	4.074449378	7.697828193	-3.623378815	2.34E-11
peak_8318	chr5	46381649	46382419	-42923	intron (NM_001099990, intron 17 of 24)	NM_212584	ctsla	4.297082589	7.921148234	-3.624065644	1.64E-09
peak_18834	chr23	23633534	23633823	61727	Intergenic	NM_131873	her9	1.618352549	5.242472044	-3.624119495	2.17E-05
peak_3202	chr16	5625870	5626666	-13546	Intergenic	NM_001017852	mecr	5.674607394	9.298755206	-3.624147812	4.47E-15
peak_16603	chr1	17446360	17446686	-89595	Intergenic	NM_131859	klf3	2.075829856	5.700642887	-3.624813032	5.61E-06
peak_5721	chr16	31488752	31489428	16284	Intergenic	NM_200071	rhbg	4.821359569	8.446225117	-3.624865549	1.25E-11
peak_11104	chr5	74853105	74853313	-18391	intron (NM_001007778, intron 10 of 14)	NM_001003993	ak1	1.224639552	4.850349892	-3.62571034	5.49E-08
peak_11921	chr6	20910614	20911244	-119220	Intergenic	NM_205740	barhl2	3.905320753	7.531416265	-3.626095512	1.25E-07
peak_37732	chr4	39340967	39341505	-40541	Intergenic	NM_001109839	zgc:173617	-0.360322949	3.267211207	-3.627534156	0.012109

peak_3698	chr10	22020392	22021250	7700	intron (NM_001024126, intron 1 of 3)	NM_001024126	pcdh1g30	4.92580277	8.55351545	-3.627712681	3.33E-14
peak_9094	chr2	4430987	4431539	-1309	Intergenic	NM_199681	phb2a	2.629054199	6.256813173	-3.627758974	4.77E-09
peak_17813	chr25	10943629	10944416	-6486	Intergenic	NM_001177458	lrp5	3.935977657	7.563813534	-3.627835876	1.21E-05
peak_13865	chr24	5196698	5196910	-120669	Intergenic	NM_001007377	plod2	1.205700064	4.833918833	-3.628218768	7.48E-07
peak_18623	chr23	34811054	34811826	386674	Intergenic	NM_212746	klf15	2.363802745	5.992614994	-3.628812249	1.91E-05
peak_16273	chr25	6107290	6107863	-54129	Intergenic	NM_001128075	appl2	1.793836463	5.423114491	-3.629278029	4.48E-06
peak_32394	chr1	45891453	45891841	69064	intron (NM_001128337, intron 5 of 14)	NM_001145709	si:ch211-243a20.	-0.360322949	3.268985213	-3.629308162	0.003784
peak_12449	chr5	67614660	67615302	4248	Intergenic	NR_029939		4.148365674	7.777860754	-3.62949508	2.10E-07
peak_20807	chr7	47754166	47755086	125033	Intergenic	NM_130995	ccne1	3.365936857	6.996042287	-3.630105431	6.13E-05
peak_4952	chr11	19155802	19156710	-30615	Intergenic	NM_131245	id1	4.359587508	7.990179393	-3.630591885	1.94E-12
peak_9444	chr14	34728737	34729531	30870	3' UTR (NM_001166124, exon 3 of 3)	NM_001166124	apln	3.855979326	7.486731232	-3.630751905	7.77E-09
peak_8982	chr9	13463467	13463885	66859	intron (NM_001128362, intron 4 of 7)	NM_001128362	si:dkey-56k23.2	2.44299439	6.073833641	-3.630839251	4.09E-09
peak_4306	chr2	39734603	39735795	104939	Intergenic	NM_001005919	epha4a	5.909048437	9.539997754	-3.630949317	2.78E-13
peak_14413	chr7	67144107	67145206	-143726	Intergenic	NM_001083583	ctr9	2.10167217	5.732714941	-3.631042771	1.17E-06
peak_15513	chr6	858350	858907	98353	Intergenic	NM_001245966	zeb2b	2.238682765	5.870306671	-3.631623906	2.65E-06
peak_22288	chr6	53243257	53244121	14481	Intergenic	NM_001100138	rbm5	3.795328417	7.427861767	-3.632533349	0.000124
peak_4192	chr21	35168587	35169613	164261	Intergenic	NM_001007217	gpr34l	5.510282977	9.143736774	-3.633453797	1.92E-13
peak_4394	chr16	26870815	26871563	10970	intron (NM_001201419, intron 1 of 8)	NM_001201419	fxyd6l	4.644080257	8.278065407	-3.63398515	3.78E-13
peak_20653	chr16	6241678	6241979	-11175	intron (NM_001080653, intron 8 of 10)	NM_200320	cog6	0.625495796	4.259620124	-3.634124328	5.73E-05
peak_5887	chr13	22204795	22205429	-200170	Intergenic	NM_205678	myoz1a	2.883141315	6.518126213	-3.634984899	1.86E-11
peak_3729	chr17	42003060	42003732	-104500	Intergenic	NM_001098390	zgc:162576	5.703658466	9.339553688	-3.635895222	3.76E-14
peak_5831	chr5	9800694	9801473	-2829	Intergenic	NM_201339_1	tal2	5.308778146	8.944795373	-3.636017227	1.62E-11
peak_5979	chr14	5494975	5495917	57220	Intergenic	NM_182871	fgf24	4.884630599	8.520733375	-3.636102776	2.24E-11
peak_16327	chr5	34506077	34506692	2225	3' UTR (NM_200801, exon 4 of 4)	NM_200801	pole3	2.10167217	5.738140912	-3.636468743	4.67E-06
peak_5773	chr9	2560119	2560548	17983	intron (NM_213000, intron 1 of 6)	NM_213000	chn1	3.159552967	6.796669563	-3.637116596	1.42E-11
peak_23386	chr24	26221694	26222160	5498	intron (NM_001089349, intron 1 of 21)	NM_001089349	phex	2.205700064	5.842910167	-3.637210103	0.000197
peak_18238	chr7	36114648	36115085	39661	Intergenic	NM_001113472	slc9a5	3.519982194	7.157238598	-3.637256404	1.56E-05
peak_9618	chr14	41603510	41604607	90576	Intergenic	NM_001127519	pcdh19	5.012975542	8.650263337	-3.637287795	9.77E-09
peak_8790	chr1	47858099	47858481	-30287	Intergenic	NM_001005604	bcl9	2.219927938	5.857973963	-3.638046024	3.12E-09
peak_5056	chr5	31414208	31415030	4632	intron (NM_001144790, intron 2 of 6)	NM_001144790	si:ch211-215c18.	4.254962771	7.893884544	-3.638921772	2.60E-12
peak_3513	chr20	39059237	39059830	68295	intron (NM_001082893, intron 5 of 5)	NM_214819	rcan2	4.636144784	8.275098719	-3.638953935	1.60E-14
peak_8497	chr3	48205978	48206423	110116	Intergenic	NM_201010	qtrt1	2.625495796	6.264716553	-3.639220757	2.09E-09
peak_7322	chr5	49919993	49920847	32555	Intergenic	NR_029998		5.003451195	8.642673211	-3.639222016	3.19E-10
peak_24474	chr9	32485277	32485531	72979	Intergenic	NM_001173502	tmtc4	-0.360322949	3.278961076	-3.639284025	0.000312
peak_5103	chr24	2232132	2232818	5759	Intergenic	NM_212616	zgc:85789	3.849893014	7.489553617	-3.639660603	2.96E-12
peak_2485	chr15	28103448	28104787	-77579	Intergenic	NM_200018	blmh	6.282121372	9.921853264	-3.639731893	1.39E-16
peak_37471	chr8	41387361	41387685	71017	Intergenic	NM_001083829_1	pcsk5b	-0.360322949	3.279988504	-3.640311453	0.01161
peak_13805	chr23	3448962	3449332	-25592	Intergenic	NM_131015	mafba	2.363802745	6.004314712	-3.640511967	7.10E-07
peak_3354	chr15	28047568	28048760	-21626	Intergenic	NM_200018	blmh	5.492783688	9.133326137	-3.640542448	8.49E-15
peak_7350	chr5	28906687	28907089	-142607	Intergenic	NM_194391	hdr	3.174240955	6.814827822	-3.640586867	3.32E-10
peak_33377	chr13	11173251	11173458	17444	Intergenic	NM_001082952	zbtb18	0.653720264	4.295168875	-3.64144861	0.004795
peak_7989	chr3	25831818	25832177	82696	intron (NM_130998, intron 5 of 5)	NM_130998	ntn1b	2.552201346	6.194228503	-3.642027156	9.39E-10
peak_12292	chr9	47071121	47071435	69768	intron (NM_001039358, intron 5 of 24)	NM_001039358	hdac4	2.646715745	6.289234969	-3.642519224	1.78E-07
peak_6512	chr4	8068298	8068958	10830	intron (NM_001260500, intron 2 of 20)	NM_001260500	scube1	3.224639552	6.867978118	-3.643338566	6.89E-11
peak_9384	chr12	38709815	38710215	127500	Intergenic	NM_001040355	pmp22b	2.646715745	6.290317325	-3.64360158	7.17E-09
peak_10170	chr13	5173048	5174405	72220	intron (NM_131893, intron 10 of 12)	NM_131893	meis1	3.607465695	7.251281029	-3.643815334	1.88E-08
peak_21150	chr7	30776129	30776661	-21225	Intergenic	NM_131283	foxb1b	3.914097927	7.5579372	-3.643839274	7.23E-05
peak_14350	chr16	35855323	35855976	-51128	Intergenic	NM_131161	pou3f1	3.984009138	7.628287903	-3.644278765	1.10E-06
peak_16011	chr3	11936370	11936895	-60401	intron (NM_001042778, intron 10 of 11)	NM_001077334	hlfa	1.984009138	5.628984743	-3.644975605	3.80E-06
peak_12870	chr5	31655569	31655861	18463	Intergenic	NR_030068		1.467052111	5.11266671	-3.645614598	3.08E-07
peak_20544	chr19	24479434	24479949	11610	intron (NM_213460, intron 1 of 3)	NM_213460	syt11a	3.97012931	7.6159145	-3.64578519	5.43E-05
peak_8415	chr10	21873486	21874278	1410	exon (NM_001024128, exon 1 of 4)	NM_001024128	pcdh1g32	3.344452335	6.990340678	-3.645888342	1.88E-09
peak_7433	chr11	28329333	28330121	47570	Intergenic	NM_001025540	wnt7aa	4.597510523	8.243738257	-3.646227734	3.84E-10
peak_6435	chr12	40289324	40289888	-61795	Intergenic	NM_001099246	abca5	4.932339999	8.578772177	-3.646432177	5.94E-11
peak_17995	chr9	52780343	52780673	2418	exon (NM_001115090, exon 4 of 6)	NM_001115090	tbr1b	1.426730103	5.073645526	-3.646915423	1.36E-05
peak_11640	chr19	13217234	13217896	52969	Intergenic	NM_001044994	si:ch211-105d11.	5.128427451	8.777277874	-3.648850424	9.37E-08
peak_31124	chr9	26908679	26908926	34737	intron (NM_001017560, intron 4 of 10)	NM_001017560	gtdc1	-0.360322949	3.288631739	-3.648954688	0.0027
peak_15290	chr16	1435660	1436007	94185	Intergenic	NM_178222	sim1a	1.66069094	5.309745644	-3.649054703	2.25E-06
peak_24863	chr14	41093630	41093950	-566230	Intergenic	NM_131782	glra4a	1.243333623	4.892525831	-3.649192208	0.00037
peak_19819	chr5	15673946	15674701	268461	Intergenic	NM_001171697	npffr1l2	3.898051465	7.547429714	-3.649378249	3.72E-05
peak_5645	chr7	10112533	10113312	6066	intron (NM_212678, intron 1 of 2)	NM_212678	chsy1	4.970088389	8.61986078	-3.64977239	1.09E-11
peak_6800	chr10	23407708	23408356	-48968	Intergenic	NM_001020582	nle1	4.375563276	8.025494922	-3.649931646	1.17E-10
peak_11014	chr11	24066775	24067067	-51582	Intergenic	NM_001077467	atp2b4	2.075829856	5.725898279	-3.650068424	5.00E-08
peak_3874	chr7	57184395	57184926	-177193	Intergenic	NM_212606	cdh15	4.451058288	8.101786241	-3.650727953	6.81E-14
peak_10007	chr2	32740117	32740856	-167017	Intergenic	NM_001076570	rnf220a	3.611068793	7.262059516	-3.650990722	1.58E-08
peak_12801	chr11	43177214	43177611	-73826	Intergenic	NM_001105592	her15.2	2.091390725	5.742634658	-3.651243932	2.90E-07
peak_13605	chr5	57677501	57677792	-382	promoter-TSS (NM_131207)	NM_131207	lhx1b	1.243333623	4.894657421	-3.651323798	6.05E-07
peak_13342	chr15	1865414	1865882	8897	intron (NM_199826, intron 2 of 10)	NM_199826	zgc:63480	2.614767619	6.267214094	-3.652446475	4.87E-07
peak_6472	chr13	46525558	46526131	-8756	Intergenic	NM_199514	olig4	4.348774912	8.002039069	-3.653264158	6.38E-11
peak_8187	chr11	8605464	8605860	-42747	Intergenic	NM_001020583	tbl1xr1a	2.944570835	6.597907968	-3.653337133	1.31E-09
peak_16841	chr7	33813855	33814290	-128801	Intergenic	NM_205624	fshb	1.831388386	5.485184243	-3.653795857	6.45E-06
peak_12271	chr18	48522951	48523241	-304454	Intergenic	NM_001045317	mob2b	1.234016866	4.888168894	-3.654152028	1.74E-07
peak_4904	chr5	46553202	46553967	-9909	Intergenic	NM_205628	dmrt1	5.007557848	8.662171399	-3.65461355	1.74E-12
peak_4326	chr7	35805313	35807084	8192	Intergenic	NM_131267	irx3a	6.864328318	10.5189487	-3.65462038	2.92E-13
peak_5744	chr15	10302059	10302535	122100	Intergenic	NM_001002694	prcp	3.331406352	6.98627972	-3.654873368	1.32E-11
peak_25120	chr6	13653409	13653716	2	promoter-TSS (NM_001017569)	NM_001017569	cdk5r2a	0.978440673	4.633685865	-3.655245192	0.000405
peak_4058	chr13	43923146	43924261	-22004	Intergenic	NM_213128	eif3s6ip	6.415896059	10.07122636	-3.655330303	1.23E-13
peak_26855	chr7	3099469	3099749	-53442	Intergenic	NM_199814	zgc:66473	-0.360322949	3.295606669	-3.655929618	0.000743
peak_20628	chr22	22126335	22126819	40657	intron (NM_200423, intron 3 of 6)	NM_200423	aes	3.523698724	7.180801886	-3.657103162	5.67E-05
peak_4352	chr10	35494613	35495312	-218328	Intergenic	NM_001013500	nbeaa	4.070529039	7.727812511	-3.657283472	3.21E-13
peak_19002	chr5	17499271	17499876	-93955	Intergenic	NM_001100957	hspb8	3.523698724	7.181049509	-3.657350785	2.38E-05
peak_4153	chr19	39154519	39156041	-13959	Intergenic	NM_001122760	thsd7a	6.357696452	10.01574685	-3.658050403	1.67E-13
peak_11632	chr25	14753626	14754129	-14367	Intergenic	NM_131178	dbx1b	2.748562774	6.406715382	-3.658152607	9.31E-08
peak_8830	chr24	1229739	1230753	-85800	intron (NM_181497, intron 6 of 16)	NM_001034971	itgb1a	4.106785545	7.764943878	-3.658158333	3.34E-09
peak_3569	chr24	17744136	17744711	-61489	Intergenic	NM_001008734	commd3	5.805283662	9.463940739	-3.658657078	1.99E-14
peak_27876	chr20	18783186	18783683	8166	intron (NM_199591, intron 9 of 10)	NM_199591	eif5	1.978440673	5.637108364	-3.658667691	0.001057
peak_14387	chr12	2143367	2143769	13795	Intergenic	NM_131643	sox9a	2.570823028	6.229878151	-3.659055123	1.15E-06
peak_19807	chr6	3645522	3646186	3044	intron (NM_194419, intron 3 of 16)	NM_194419	gad1b	2.471023015	6.130590081	-3.659567065	3.68E-05
peak_9939	chr2	23877535	23877903	26656	intron (NM_001172370, intron 2 of 37)	NM_001172370	col15a1b	2.342286181	6.00195488	-3.659668699	1.47E-08
peak_19217	chr6	20601503	20602117	-296781	Intergenic	NM_178131	scinla	2.075829856	5.736625536	-3.66079568	2.66E-05
peak_9640	chr22	18339304	18339570	-40650	Intergenic	NM_001045327	nr2c2ap	1.825197218	5.486861488	-3.661664269	1.00E-08
peak_30698	chr6	31830877	31831346	-45146	Intergenic	NM_131290	foxd3	1.984009138	5.645876234	-3.661867096	0.002427
peak_9857	chr17	21126438	21127011	1577	intron (NM_001077547, intron 2 of 12)	NM_001077547	eno4	2.797003394	6.459151741	-3.662148348	1.33E-08
peak_6648	chr14	33587246	33587814	-31791	Intergenic	NM_001039135	inppl1b	3.760062422	7.422377751	-3.662315329	8.96E-11
peak_6391	chr1	39941005	39941731	34632	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	4.47602896	8.139037007	-3.663008046	5.44E-11
peak_10536	chr6	26658648	26659085	-54888	Intergenic	NM_201474	hdlbpa	2.742004936	6.405186145	-3.663181209	2.83E-08
peak_28350	chr18	47989369	47989670	-110332	Intergenic	NM_001007334	yif1b	1.243333623	4.906590747	-3.663257124	0.001229
peak_3298	chr8	5108829	5109952	62657	Intergenic	NM_131039	es1	5.641880334	9.305550265	-3.663669931	6.73E-15
peak_6116	chr17	38439524	38439969	9785	Intergenic	NM_131776	nkx2.1b	3.030649868	6.694564099	-3.663914231	3.18E-11
peak_13477	chr19	15040548	15040910	37404	intron (NM_001135132, intron 1 of 2)	NM_001135132	si:ch211-206a7.2	0.944570835	4.608947431	-3.664376596	5.43E-07
peak_24666	chr7	27633826	27634603	9743	Intergenic	NM_198366	eif4a1a	2.091390725	5.755831965	-3.66444124	0.00034
peak_7683	chr9	3571923	3572490	27308	intron (NM_001199724, intron 4 of 22)	NM_001199724	tlk1a	2.725478726	6.389994922	-3.664516195	5.82E-10
peak_14925	chr5	26092814	26093333	-90454	Intergenic	NM_131822	znf703	2.122017822	5.787000104	-3.664982282	1.71E-06
peak_6728	chr6	31420493	31421396	296426	Intergenic	NM_201025	pgm1	6.102989535	9.768700583	-3.665711048	1.05E-10
peak_9590	chr2	16127767	16128680	133594	Intergenic	NM_001256616	sh3glb1b	4.109335453	7.77525206	-3.665916608	9.48E-09

peak_11709	chr8	34845851	34846243	60259	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	2.122017822	5.788371116	-3.666353295	9.88E-08
peak_27128	chr3	28590302	28590882	225818	Intergenic	NM_001201336	fbxl16	-0.360322949	3.306832559	-3.667155508	0.000812
peak_6623	chr24	28904190	28904705	-155011	Intergenic	NM_001080203	hs6st1b	4.71709532	8.384508926	-3.667413606	8.55E-11
peak_13306	chr3	22046723	22047161	-202232	Intergenic	NM_201449	cdc27	2.614767619	6.282593857	-3.667826238	4.67E-07
peak_39772	chr4	38999605	39000261	-381844	Intergenic	NM_001109839	zgc:173617	1.787481669	5.455369991	-3.667888322	0.017317
peak_3058	chr10	43639572	43640489	22984	intron (NM_131269, intron 3 of 11)	NM_131269	tcf7l1a	6.07577281	9.745268061	-3.669495251	2.54E-15
peak_43736	chr4	36409558	36411064	-846450	Intergenic	NM_001135989_1	zgc:174690	5.59791156	9.267421475	-3.669509915	0.031892
peak_6101	chr1	43959621	43960634	106945	Intergenic	NM_001002577	suclg1	4.952403202	8.622623585	-3.670220383	3.04E-11
peak_7648	chr18	19878077	19878523	63604	Intergenic	NM_001002604	morf4l1	3.106785545	6.77742405	-3.670638505	5.51E-10
peak_12868	chr15	23339474	23339876	-43301	Intergenic	NM_212633	appbp2	2.529533336	6.200838152	-3.671304817	3.06E-07
peak_5646	chr12	12158460	12159653	-27765	Intergenic	NM_131406	raraa	5.660716295	9.332075222	-3.671358927	1.09E-11
peak_27549	chr12	9666702	9667041	45686	Intergenic	NM_131146	cyp26a1	-0.360322949	3.3111745	-3.671497449	0.000941
peak_2598	chr5	71945547	71946654	-19323	Intergenic	NR_039379		6.155839497	9.827338287	-3.67149879	2.62E-16
peak_3302	chr24	8439841	8441962	89713	Intergenic	NM_176859	tfap2a	7.394172506	11.06606057	-3.671888067	6.78E-15
peak_16236	chr10	9691992	9692358	51271	Intergenic	NM_001044910	si:ch211-243g18.	1.66069094	5.332590287	-3.671899347	4.37E-06
peak_5062	chr5	22669648	22670457	-7220	Intergenic	NM_198374	pik3ip1	4.474051752	8.146546983	-3.672495232	2.64E-12
peak_12089	chr18	22594048	22594633	20228	intron (NM_200787, intron 2 of 7)	NM_200787	gnao1a	3.414290115	7.086944599	-3.672654484	1.45E-07
peak_12382	chr7	41177284	41177741	-33257	Intergenic	NM_001037384	grpel1	1.467052111	5.139830606	-3.672778495	1.96E-07
peak_5815	chr6	55900992	55901524	67622	intron (NM_001004558, intron 10 of 15)	NM_001004558	eya2	4.610221378	8.286685593	-3.676464215	1.56E-11
peak_27035	chr12	24070463	24070776	47317	Intergenic	NM_001202427	cdca9	-0.360322949	3.316272849	-3.676595798	0.000786
peak_13948	chr4	18423611	18423992	204663	intron (NM_182865, intron 17 of 23)	NM_182865	snd1	0.944570835	4.621181256	-3.676610421	8.04E-07
peak_26696	chr25	8754685	8755029	4510	Intergenic	NR_029997		1.66069094	5.338248841	-3.677557901	0.0007
peak_24445	chr15	43583130	43583544	-2400	Intergenic	NM_214806	gria4a	0.234016866	3.911950229	-3.677933363	0.000309
peak_13203	chr24	3029608	3030268	8013	intron (NM_130916, intron 1 of 1)	NM_130916	inhbaa	2.247969535	5.925915835	-3.6779463	4.24E-07
peak_16506	chr24	8483447	8483931	46925	Intergenic	NM_176859	tfap2a	2.834474036	6.514262016	-3.67978798	5.29E-06
peak_7863	chr7	47923414	47924198	294213	Intergenic	NM_130995	ccne1	3.226989601	6.907154891	-3.68016529	7.63E-10
peak_13270	chr20	33466892	33468062	59145	Intergenic	NM_001044809	smek1	4.21513183	7.895455577	-3.680323747	4.52E-07
peak_30364	chr15	28083434	28083799	-57078	Intergenic	NM_200018	blmh	-0.360322949	3.320008242	-3.680331191	0.002231
peak_12547	chr11	45867845	45868296	-54874	intron (NM_001077304, intron 3 of 11)	NM_001003595	cant1b	1.618352549	5.298913173	-3.680560624	2.28E-07
peak_3916	chr8	9859064	9859681	255838	intron (NM_001098489, intron 10 of 31)	NM_001098489	plxna3	4.892794297	8.573907582	-3.681113285	7.69E-14
peak_32176	chr17	52029161	52029485	-124196	Intergenic	NM_001012488	zgc:113142	-0.360322949	3.321808019	-3.682130968	0.003567
peak_2505	chr5	41337818	41339801	-34630	intron (NM_199829, intron 2 of 14)	NM_001105279	prkg2	6.260152074	9.942356275	-3.682204201	1.52E-16
peak_16028	chr8	19707222	19707934	83692	Intergenic	NM_212872	zgc:77486	2.664163689	6.346524777	-3.682361088	3.84E-06
peak_12312	chr12	26527602	26527914	65545	Intergenic	NM_001113758	socs5a	1.205700064	4.888288537	-3.682588473	1.81E-07
peak_3754	chr2	40074163	40075068	-7284	Intergenic	NM_153658	epha4b	6.581516405	10.26442877	-3.68291237	4.19E-14
peak_15179	chr2	38202864	38203402	127102	Intergenic	NM_131151	psmb5	1.653720264	5.336910296	-3.683190031	2.06E-06
peak_14571	chr22	38873406	38873770	481943	Intergenic	NM_001113587	hykk.2	1.938847741	5.623109544	-3.684261803	1.31E-06
peak_8926	chr14	14902459	14903483	-2172	Intergenic	NM_001014818	phox2bb	4.269855434	7.954665838	-3.684810405	3.79E-09
peak_14071	chr6	20912778	20913270	-117125	Intergenic	NM_205740	barhl2	2.886118348	6.571212486	-3.685094137	8.95E-07
peak_5047	chr8	41565537	41566103	6271	intron (NM_001013516, intron 3 of 11)	NM_001013516	msi1	4.252657886	7.938285003	-3.685627117	2.50E-12
peak_13167	chr20	33335351	33336246	2434	intron (NM_212614, intron 2 of 2)	NM_212614	mycn	3.088808875	6.77460452	-3.685795646	4.13E-07
peak_4856	chr11	37054537	37055566	15901	intron (NM_001287547, intron 3 of 4)	NM_001118895	rrp9	5.006150351	8.69225992	-3.686109569	1.53E-12
peak_2742	chr5	53529187	53530074	-56893	Intergenic	NM_131100	otpb	6.417167945	10.10357701	-3.686409063	5.45E-16
peak_5677	chr7	43082588	43083563	-530564	Intergenic	NM_131063	shha	4.097825209	7.785175778	-3.687350569	1.16E-11
peak_23418	chr13	39809913	39810583	14098	intron (NM_001111187, intron 3 of 13)	NM_001111187	zgc:172136	2.537128982	6.224700909	-3.687571927	0.000199
peak_4635	chr23	21189591	21190108	37872	intron (NM_001146149, intron 5 of 8)	NM_001146149	pax7b	4.642320587	8.330409419	-3.688088832	7.81E-13
peak_32028	chr14	52962180	52962443	-153664	Intergenic	NM_199952	ube2d2l	-0.360322949	3.327884442	-3.688207391	0.003448
peak_10615	chr10	33558553	33558858	6862	intron (NM_001006083, intron 1 of 5)	NM_001006083	mogat2	1.984009138	5.673170664	-3.689161526	3.14E-08
peak_7076	chr2	32809949	32810363	-97347	Intergenic	NM_001076570	rnf220a	3.459077363	7.14861317	-3.689535807	2.01E-10
peak_13283	chr5	26215231	26215616	2442	intron (NM_001122747, intron 4 of 19)	NM_001122747	atp6v0a2b	1.243333623	4.933477861	-3.690144239	4.57E-07
peak_4730	chr6	26461534	26462594	141914	Intergenic	NM_201474	hdlbpa	5.45356904	9.14486492	-3.69129588	1.02E-12
peak_4318	chr9	32279117	32280131	31732	intron (NM_001037416, intron 3 of 7)	NM_205727	zic5	5.739997481	9.432112768	-3.692115287	2.87E-13
peak_6124	chr12	27091427	27093723	-35827	Intergenic	NM_131363	six3b	5.831047278	9.523393463	-3.692346184	3.22E-11
peak_16127	chr22	13277024	13277520	26751	intron (NM_131264, intron 2 of 10)	NM_131264	ahr2	1.831388386	5.523816143	-3.692427756	4.07E-06
peak_10476	chr5	38302351	38302717	8482	TTS (NM_130958)	NM_130958	dlb	2.116958245	5.809837003	-3.692878758	2.66E-08
peak_4346	chr22	38871978	38872843	480765	Intergenic	NM_001113587	hykk.2	4.194866279	7.887762396	-3.692896117	3.16E-13
peak_14058	chr3	35574408	35574732	-41803	Intergenic	NR_023338		1.787481669	5.480569833	-3.693088164	8.89E-07
peak_12904	chr18	6556923	6557373	-13435	Intergenic	NM_152983	myo7aa	2.42263522	6.115785104	-3.693149884	3.17E-07
peak_4997	chr2	7908129	7908810	11679	Intergenic	NM_001079995	chst2a	3.886118348	7.579887151	-3.693768803	2.24E-12
peak_18058	chr5	70401918	70402371	15009	intron (NM_131418, intron 6 of 16)	NM_131418	coe2	3.620037365	7.314154165	-3.6941168	1.41E-05
peak_9552	chr20	49065436	49066099	15484	intron (NM_001001944, intron 29 of 30)	NM_131589	nkx2.1a	3.825197218	7.520512597	-3.695315379	8.98E-09
peak_3404	chr7	34735262	34736154	-22869	Intergenic	NM_212849	glceb	5.773009839	9.468649101	-3.695639262	1.06E-14
peak_37454	chr23	20127007	20127510	94917	3' UTR (NM_001128242, exon 21 of 21)	NM_001128242	atp2b3b	-0.360322949	3.335999564	-3.696322513	0.011567
peak_18926	chr7	28446837	28447407	30706	intron (NM_001123009, intron 2 of 14)	NM_001123009	sox6	2.935977657	6.633142501	-3.697164843	2.28E-05
peak_3697	chr4	14197409	14198257	-28795	Intergenic	NM_131680	nrf1	4.518967649	8.216778732	-3.697811083	3.31E-14
peak_5101	chr7	16651165	16651736	14710	intron (NM_131641, intron 6 of 11)	NM_131641	pax6b	3.735417151	7.433505448	-3.698088297	2.95E-12
peak_12869	chr5	68371833	68372158	-57331	Intergenic	NM_001002146	zgc:86715	2.091390725	5.789852845	-3.698462119	3.08E-07
peak_24231	chr25	7880491	7880726	-38059	Intergenic	NM_001128733	syt12	-0.360322949	3.338291913	-3.698614862	0.000284
peak_10875	chr5	22810149	22810641	3929	intron (NM_001271393, intron 1 of 19)	NM_001271393	camk2b1	2.346615242	6.045610516	-3.698995274	4.31E-08
peak_13149	chr20	51937615	51938112	-41004	Intergenic	NM_212800	disp1	3.302598733	7.0016537	-3.699054967	4.06E-07
peak_3331	chr12	27559100	27559709	35089	intron (NM_001004585, intron 2 of 12)	NM_001004585	bmpr1ab	4.887604564	8.587442339	-3.699837775	7.78E-15
peak_3827	chr11	7717591	7718356	-161601	Intergenic	NM_213367	eltd1	5.844141355	9.544195045	-3.70005369	5.57E-14
peak_6723	chr15	13909859	13910293	-77273	Intergenic	NM_001089327	zgc:162193	3.627276095	7.327879113	-3.700603019	1.04E-10
peak_30288	chr8	53804292	53804931	-19320	Intergenic	NM_152962	fgfr1a	2.200926086	5.901536384	-3.700610298	0.002185
peak_7547	chr12	32716343	32716724	73755	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	2.229335828	5.930041144	-3.700705316	4.79E-10
peak_13906	chr12	38336598	38336948	-11179	Intergenic	NM_001113644_1	zgc:172101	2.434885166	6.135656275	-3.700771109	7.76E-07
peak_14060	chr17	21192313	21193248	5947	intron (NM_001198761, intron 3 of 16)	NM_001198761	si:ch73-56p18.4	3.567117871	7.268168017	-3.701050147	8.90E-07
peak_5567	chr2	44178232	44178799	66304	intron (NM_001045246, intron 2 of 9)	NM_001045246	cadm3	3.542799588	7.244018206	-3.701218618	9.10E-12
peak_15953	chr24	9084853	9085299	9572	Intergenic	NM_199567	tgif1	3.664163689	7.365407152	-3.701243463	3.64E-06
peak_3465	chr14	19656128	19657232	6928	Intergenic	NM_213067	dusp1	6.1736497	9.875119572	-3.701469872	1.31E-14
peak_10004	chr24	1349260	1349657	-18197	Intergenic	NM_001040326	nrp1a	1.653720264	5.355798433	-3.702078169	1.58E-08
peak_8020	chr21	22856020	22857262	167996	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	5.308190988	9.010364732	-3.702173745	9.87E-10
peak_9185	chr7	47136212	47136997	-436686	Intergenic	NM_001020749	pop4	3.179103907	6.881597266	-3.702493358	5.40E-09
peak_4443	chr4	16548364	16549083	-43791	Intergenic	NM_001045096	recql	5.109372609	8.812926336	-3.703553727	4.54E-13
peak_8726	chr10	13584406	13585004	151932	intron (NM_001098242, intron 2 of 8)	NM_001098242	cntfr	3.902383121	7.60603456	-3.703651438	2.85E-09
peak_29420	chr8	33747515	33748006	-5515	Intergenic	NM_001123289	si:dkey-56i24.1	-0.360322949	3.343334439	-3.703657388	0.001715
peak_4383	chr15	10732163	10732873	197953	intron (NM_130969, intron 4 of 31)	NM_130969	odz4	4.731284458	8.435253234	-3.703968776	3.65E-13
peak_5248	chr14	41210545	41211970	483377	Intergenic	NM_001127519	pcdh19	6.22259729	9.926663187	-3.704065897	4.22E-12
peak_14613	chr4	10362200	10362635	-13457	Intergenic	NM_131060	sema3aa	2.664163689	6.368319227	-3.704155538	1.37E-06
peak_27249	chr16	7426800	7427156	31801	Intergenic	NM_131059	ctnnb1	0.234016866	3.938577691	-3.704560825	0.000847
peak_25208	chr23	3762429	3764487	9159	Intergenic	NM_001289907	hmga1a	4.480960159	8.185823168	-3.704863009	0.000417
peak_37258	chr4	34959632	34960100	-145157	Intergenic	NM_001114927	zgc:174650	-0.360322949	3.345314441	-3.70563739	0.011127
peak_19329	chr4	10069673	10070057	19229	intron (NM_001130603, intron 1 of 11)	NM_001130603	tmtc2	2.42263522	6.128499798	-3.705864578	2.82E-05
peak_8568	chr19	28406318	28406910	-49413	Intergenic	NM_001017699	med10	4.114421786	7.821264163	-3.706842377	2.27E-09
peak_27802	chr15	41141619	41142074	30759	Intergenic	NM_001003733	cldn8	-0.360322949	3.347169432	-3.707492381	0.001032
peak_7423	chr13	28691375	28692000	-27432	Intergenic	NM_131281	fgf8a	2.812734601	6.520843671	-3.70810907	3.78E-10
peak_22818	chr12	24954916	24955248	108508	Intergenic	NM_131784	bambia	-0.360322949	3.34812194	-3.708444889	0.000155
peak_8554	chr4	27555475	27555935	108268	Intergenic	NM_001020599	trmu	2.90091206	6.609437209	-3.708525149	2.24E-09
peak_13737	chr10	45360851	45361301	61790	Intergenic	NM_200592	nr2f1b	1.984009138	5.692924862	-3.708915724	6.74E-07
peak_16676	chr6	9612837	9613331	6631	Intergenic	NM_001197058	nfil3-5	2.986785331	6.695764556	-3.708979224	5.86E-06
peak_10669	chr24	18238672	18239043	-289623	intron (NM_001281991, intron 13 of 23)	NM_213495	cul1b	1.787481669	5.49709154	-3.709609871	3.36E-08
peak_15109	chr1	52438929	52439296	118114	Intergenic	NM_212969	dand5	1.812734601	5.523041099	-3.710306498	1.96E-06
peak_7770	chr5	32097837	32099623	-41077	Intergenic	NM_001128731	atf5a	4.196066283	7.907388882	-3.711322598	6.66E-10
peak_14763	chr5	45285254	45285839	15966	intron (NM_001126415, intron 1 of 11)	NM_001126415	si:dkey-40c11.1	2.552201346	6.263600853	-3.711399506	1.53E-06
peak_6516	chr5	38302721	38303661	9139	Intergenic	NM_130958	dlb	3.539021661	7.250421281	-3.71139962	6.98E-11

peak_6318	chr5	66636098	66636881	-19735	Intergenic	NM_001007457	prdm12b	4.171803318	7.883960031	-3.712156713	4.68E-11
peak_28122	chr7	66445213	66445850	114992	Intergenic	NM_001077722	tpcn2	1.426730103	5.139512049	-3.712781945	0.001149
peak_19275	chr15	29374178	29374682	-165180	Intergenic	NM_001113485	nlk2	2.42263522	6.135911604	-3.713276385	2.74E-05
peak_13384	chr1	15766841	15767536	-336328	Intergenic	NM_001017793	zgc:112426	2.784293744	6.498340694	-3.71404695	5.05E-07
peak_5063	chr16	39464263	39465876	-43138	Intergenic	NM_200078	cited4b	6.137163847	9.852654227	-3.71549038	2.65E-12
peak_18672	chr20	21152793	21153127	-148018	Intergenic	NM_001024815	btbd6b	1.243333623	4.959433661	-3.716100038	1.96E-05
peak_10082	chr22	24896009	24896341	58985	intron (NM_001003617, intron 4 of 9)	NM_001003617	nek7	2.081035483	5.797315121	-3.716279638	1.70E-08
peak_5243	chr11	25883437	25883860	42620	intron (NM_200936, intron 1 of 20)	NM_200936	sulf2a	3.587486179	7.30422642	-3.71674024	4.16E-12
peak_3463	chr23	23644139	23645084	50794	Intergenic	NM_131873	her9	4.901690687	8.61870934	-3.717018653	1.30E-14
peak_6506	chr19	30977569	30978369	-65535	Intergenic	NM_213223	marcksl1b	5.441953721	9.158972519	-3.717018798	6.78E-11
peak_13916	chr4	7916294	7916821	162901	Intergenic	NM_001260500	scube1	2.363802745	6.080824571	-3.717021826	7.80E-07
peak_15661	chr2	47617178	47617430	36206	intron (NM_131277, intron 5 of 7)	NM_131277	pax3a	0.653720264	4.370878276	-3.717158012	2.95E-06
peak_17300	chr16	31458995	31459359	14715	Intergenic	NR_029995		1.984009138	5.701788879	-3.717779741	8.51E-06
peak_13524	chr16	2333893	2334273	31746	Intergenic	NM_181735	foxi1	1.618352549	5.336716531	-3.718363981	5.65E-07
peak_12577	chr13	13002759	13003162	99965	Intergenic	NM_001045208	letm1	2.247969535	5.966961836	-3.718992301	2.34E-07
peak_4879	chr25	1049489	1050062	38712	Intergenic	NM_001080075	nell2a	4.194866279	7.913888066	-3.719021787	1.63E-12
peak_12631	chr11	24710388	24710784	-22406	Intergenic	NM_001145767	nfasca	2.075829856	5.795212141	-3.719382286	2.45E-07
peak_17491	chr14	17766838	17767371	11780	Intergenic	NM_001159840	olfcg1	3.188780911	6.908338098	-3.719557187	9.70E-06
peak_8122	chr7	50118461	50119795	3015	Intergenic	NM_001002040	cdkn1c	4.375563276	8.095251397	-3.719688121	1.19E-09
peak_15414	chr16	41435521	41435849	110417	Intergenic	NM_213544	emc2	1.426730103	5.146710169	-3.719980066	2.45E-06
peak_2729	chr18	25405839	25406772	76729	Intergenic	NM_001103120	pex11a	5.532358678	9.252697529	-3.720338851	5.15E-16
peak_5699	chr7	38371424	38372196	350889	Intergenic	NR_036681		5.443470232	9.16396855	-3.720498318	1.20E-11
peak_4862	chr24	10450292	10451207	218801	Intergenic	NM_207078	fam49bb	4.478003463	8.19888603	-3.720882567	1.56E-12
peak_5533	chr9	22731583	22732362	-24107	Intergenic	NM_001002483	sox1a	5.011652845	8.733233617	-3.721580773	8.25E-12
peak_4778	chr8	49093477	49093995	-1969	Intergenic	NM_001123282	espn	4.412286634	8.134219963	-3.721933329	1.19E-12
peak_5448	chr4	5384871	5385491	4973	intron (NM_001002095, intron 1 of 11)	NM_001002095	mapk11	4.18281102	7.904958678	-3.722147659	6.76E-12
peak_5004	chr15	8527105	8527827	58206	Intergenic	NM_001128700	tmem160	4.927971095	8.652430009	-3.724458915	2.25E-12
peak_7050	chr7	38252459	38253018	231817	Intergenic	NR_036681		3.720483721	7.445073188	-3.724589466	1.91E-10
peak_5674	chr24	10033340	10033973	-70197	Intergenic	NM_213142	otulina	4.60023239	8.325434127	-3.725201737	1.16E-11
peak_22923	chr23	20178821	20179417	43056	intron (NM_001128242, intron 5 of 20)	NM_001128242	atp2b3b	1.831388386	5.556738846	-3.72535046	0.000163
peak_12992	chr24	1289671	1290044	41128	intron (NM_181497, intron 2 of 16)	NM_181497	nrp1a	1.787481669	5.513272327	-3.725790658	3.49E-07
peak_18690	chr10	36412608	36413032	21136	intron (NM_001128760, intron 3 of 8)	NM_001128760	gabrr3a	2.834474036	6.560680233	-3.726206197	1.98E-05
peak_6254	chr10	34639644	34640171	37787	Intergenic	NM_200088	c21orf59	3.282403856	7.008735543	-3.726331687	4.22E-11
peak_18824	chr10	27967814	27968410	236499	Intergenic	NM_152948	cxadr	2.363802745	6.090230387	-3.726427642	2.15E-05
peak_18638	chr7	13031202	13031438	-146727	Intergenic	NM_001080993	mex3b	1.205700064	4.932424111	-3.726724047	1.92E-05
peak_24427	chr10	15352483	15352774	-16715	Intergenic	NM_199538	trappc13	-0.360322949	3.366485007	-3.726807956	0.000308
peak_20641	chr22	24581761	24582541	-30101	Intergenic	NR_029937		4.166987057	7.894035442	-3.727048385	5.71E-05
peak_20251	chr18	12372522	12372821	-66036	Intergenic	NM_001082852	parp12a	1.205700064	4.932927626	-3.727227562	4.71E-05
peak_10122	chr8	49546975	49547349	-61375	Intergenic	NM_001005994	pex10	1.818979367	5.546774141	-3.727794774	1.78E-08
peak_6443	chr4	11359620	11360383	3192	intron (NM_152978, intron 2 of 7)	NM_152978	mkrn1	5.336280683	9.064116767	-3.727836084	6.04E-11
peak_3069	chr13	37509458	37510519	71901	Intergenic	NM_174862	esr2b	5.684926177	9.413007476	-3.728081299	2.68E-15
peak_7667	chr8	12139014	12139594	18468	intron (NM_001123244, intron 4 of 14)	NM_001123244	fnbp1a	3.712120089	7.4410936	-3.728973512	5.72E-10
peak_12756	chr4	8734739	8735340	3086	intron (NM_001045110, intron 1 of 21)	NM_001045110	si:dkey-153k10.9	2.210458296	5.940233736	-3.72977544	2.79E-07
peak_17111	chr20	30334464	30334864	62128	Intergenic	NM_001002716	allc	2.664163689	6.394007792	-3.729844103	7.56E-06
peak_14917	chr16	35934380	35934888	27857	Intergenic	NM_131161	pou3f1	3.006230172	6.736622216	-3.730392044	1.69E-06
peak_13169	chr18	12481964	12482409	117500	Intergenic	NM_001075112	tmem5	2.200926086	5.931565598	-3.730639511	4.13E-07
peak_8433	chr8	16882721	16883123	42918	intron (NM_212973, intron 7 of 18)	NM_212973	faf1	2.825197218	6.556380865	-3.731183647	1.93E-09
peak_6354	chr14	35387140	35387604	-22388	Intergenic	NM_205598	gria1a	3.086222395	6.817455243	-3.731232848	5.04E-11
peak_7753	chr21	5095003	5095444	-6903	Intergenic	NM_131441_1	notch1a	2.947423891	6.679178751	-3.731754861	6.50E-10
peak_9380	chr24	20073241	20073763	5499	intron (NM_001003846, intron 1 of 18)	NM_001003846	sulf1	2.434885166	6.166645377	-3.731760211	7.16E-09
peak_13007	chr22	18480066	18480445	1399	Intergenic	NR_029996		2.521897487	6.254854231	-3.732956744	3.55E-07
peak_8716	chr14	21624966	21625392	267834	Intergenic	NM_001080068	ids	2.712120089	6.445700207	-3.733580118	2.82E-09
peak_5340	chr12	26334705	26335562	3358	intron (NM_001017555, intron 1 of 5)	NM_001017555	foxn2b	6.184590475	9.918245879	-3.733655404	5.20E-12
peak_25346	chr24	11401950	11402175	-123863	intron (NM_205728, intron 4 of 14)	NM_213449	prpf4bb	0.625495796	4.35947621	-3.733980414	0.00044
peak_10573	chr15	38182300	38183403	30802	intron (NM_131633, intron 1 of 29)	NM_131633	robo2	4.978440673	8.712567957	-3.734127284	2.97E-08
peak_8213	chr12	32684827	32685182	105284	intron (NM_131259, intron 6 of 14)	NM_131259	tcf7l2	2.10167217	5.836383381	-3.734711211	1.36E-09
peak_24705	chr23	15766308	15766729	315747	Intergenic	NM_001002371	eef1a2	1.215200887	4.950042032	-3.734841145	0.000346
peak_2419	chr6	4478976	4480109	47342	Intergenic	NM_201285	pou4f1	6.406047713	10.14208277	-3.736035053	9.29E-17
peak_6689	chr10	39429055	39429667	7326	Intergenic	NR_029984		3.50251599	7.238948713	-3.736432722	9.64E-11
peak_3296	chr7	47654640	47655404	25429	Intergenic	NM_130995	ccne1	4.639677051	8.377137819	-3.737460768	6.70E-15
peak_22834	chr3	17013968	17014353	-167059	Intergenic	NM_001077392	hcrt	2.122017822	5.859673958	-3.737656136	0.000156
peak_21561	chr2	35626334	35626663	25065	intron (NM_173277, intron 1 of 27)	NM_173277	lamc1	1.787481669	5.52550502	-3.738023351	8.82E-05
peak_17581	chr10	43956764	43957162	2131	intron (NM_001161732, intron 1 of 17)	NM_001161732	fgfr1b	0.234016866	3.97242924	-3.738412374	1.04E-05
peak_36018	chr6	32857366	32857722	83060	Intergenic	NM_001042687	pomgnt1	-0.360322949	3.378784021	-3.73910697	0.008561
peak_2657	chr5	19142377	19143641	-415978	Intergenic	NM_001100015	chfr	6.561802135	10.30105407	-3.739251932	3.46E-16
peak_4395	chr12	38761397	38762003	75815	Intergenic	NM_001040355	pmp22b	3.846840202	7.587088075	-3.740247873	3.80E-13
peak_9137	chr18	14941122	14941701	18171	intron (NM_205712, intron 11 of 17)	NM_205712	rfx4	3.785795595	7.526599103	-3.740803508	5.05E-09
peak_14184	chr6	44261141	44261471	71976	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	2.075829856	5.817363662	-3.741533806	9.76E-07
peak_3787	chr7	44796186	44797102	-35833	Intergenic	NM_131214	cdh11	5.094611555	8.836357224	-3.74174567	4.80E-14
peak_3115	chr6	36292312	36293522	38368	Intergenic	NM_131079	her6	6.580111532	10.32192133	-3.741809803	3.06E-15
peak_17492	chr1	52679661	52680174	16288	intron (NM_001145597, intron 2 of 4)	NM_001145597	rab3da	3.473004376	7.215023742	-3.742019365	9.71E-06
peak_5945	chr19	1144044	1144503	-24863	Intergenic	NM_001130777	slc39a4	4.46113342	8.203521388	-3.742387968	2.07E-11
peak_6188	chr3	41813350	41814346	-27888	Intergenic	NM_001003430	grifin	3.768153455	7.510564617	-3.742411162	3.65E-11
peak_15572	chr7	52572220	52572453	13740	intron (NM_001123230, intron 1 of 48)	NM_001123230	col4a5	1.243333623	4.986477977	-3.743144354	2.74E-06
peak_5305	chr24	34798571	34799163	102107	Intergenic	NM_001008621	zgc:101800	3.859012881	7.602341145	-3.743328264	4.88E-12
peak_9373	chr18	25412052	25412598	82749	Intergenic	NM_001103120	pex11a	1.95594936	5.699491852	-3.743542491	7.06E-09
peak_4162	chr2	27625004	27625634	-13952	Intergenic	NM_001144819	zswim5	3.722150645	7.465749079	-3.743598434	1.72E-13
peak_31940	chr8	25626463	25626857	25852	intron (NM_001080599, intron 8 of 8)	NM_001080599	slc16a4	0.625495796	4.369743275	-3.744247479	0.003376
peak_7885	chr18	11212806	11213246	287458	Intergenic	NM_001013335	zgc:110789	3.559678887	7.304028289	-3.744349403	7.90E-10
peak_9000	chr19	43999685	44000462	-16872	Intergenic	NM_001017801	psmb4	4.300368768	8.04531684	-3.744948072	4.22E-09
peak_27225	chr20	20569924	20570396	-1923	Intergenic	NM_207095	six1b	1.938847741	5.684008716	-3.745160975	0.00084
peak_10762	chr22	18568697	18569161	25167	intron (NM_212916, intron 1 of 10)	NM_212916	gatad2ab	2.31603542	6.06136813	-3.74533271	3.71E-08
peak_19927	chr20	35099969	35100523	739	exon (NM_130960, exon 2 of 4)	NM_130960	lft1	2.122017822	5.867484505	-3.745466683	3.95E-05
peak_13205	chr15	17456238	17456741	61832	intron (NM_131831, intron 1 of 19)	NM_131831	ncam1b	2.075829856	5.821510295	-3.745680439	4.25E-07
peak_5417	chr23	35778905	35779492	14097	exon (NM_001089364, exon 4 of 6)	NM_194388	tuba1b	3.234016866	6.980016923	-3.746000057	6.23E-12
peak_10902	chr23	41457530	41457888	-288299	Intergenic	NM_001139458	si:dkey-194e6.1	1.66069094	5.407005759	-3.746314818	4.43E-08
peak_4955	chr9	7628583	7629779	-24711	intron (NM_001130588, intron 12 of 22)	NR_030098		6.032310832	9.778992278	-3.746681446	1.95E-12
peak_2412	chr20	30874617	30875492	51801	Intergenic	NM_200198	hebp2	6.067253933	9.814744512	-3.747490579	8.73E-17
peak_7925	chr8	670817	671235	-19317	Intergenic	NM_001017864	zgc:110697	2.224639552	5.972380475	-3.747740924	8.47E-10
peak_18345	chr2	47627651	47627993	46724	intron (NM_131277, intron 7 of 7)	NM_131277	pax3a	1.66069094	5.409118898	-3.748427958	1.65E-05
peak_4101	chr20	48846786	48847731	-58122	Intergenic	NM_205644	insm1a	6.091390725	9.840522309	-3.749131583	1.42E-13
peak_4433	chr15	7103078	7104053	-251	promoter-TSS (NM_001166166)	NM_001166166	her8.2	5.021162876	8.770705656	-3.749542781	4.36E-13
peak_15255	chr16	26397094	26397601	-22538	Intergenic	NM_001076627	bcam	2.748562774	6.498897128	-3.750334353	2.19E-06
peak_20238	chr8	46154237	46154595	-206687	Intergenic	NM_001130631	ulk1a	0.625495796	4.375950073	-3.750454277	4.67E-05
peak_8469	chr9	38101056	38101525	81686	Intergenic	NM_131068	inhbb	3.331406352	7.08203199	-3.750625638	2.02E-09
peak_16018	chr7	63172240	63172634	281204	Intergenic	NM_200491	tbc1d19	1.978440673	5.72921943	-3.750778757	3.81E-06
peak_24038	chr1	38680895	38681307	-76723	Intergenic	NM_131626	hand2	1.618352549	5.369334284	-3.750981735	0.000261
peak_24559	chr13	53826716	53827023	-16816	intron (NM_199954, intron 1 of 2)	NM_200370	zgc:64043	-0.360322949	3.391055003	-3.751377952	0.000324
peak_21008	chr19	1903215	1903614	36413	intron (NM_198819, intron 2 of 28)	NM_198819	ptk2aa	-0.360322949	3.391382383	-3.751705332	6.74E-05
peak_13356	chr2	2566398	2566796	22583	intron (NM_001135042, intron 2 of 13)	NM_001135042	dab1b	1.467052111	5.218980236	-3.751928125	4.92E-07
peak_18371	chr8	27149375	27149751	4019	intron (NM_200297, intron 2 of 7)	NM_200297	mgll	1.205700064	4.959050184	-3.75335012	1.67E-05
peak_2588	chr7	27629741	27631053	-6582	Intergenic	NM_131702	sox19b	6.445266921	10.19918342	-3.753916498	2.35E-16
peak_19113	chr15	32676929	32677505	126374	Intergenic	NM_152974	mab21l1	2.834474036	6.58848201	-3.754007975	2.53E-05
peak_4803	chr17	53405937	53406391	-26400	Intergenic	NM_131896_1	meis2a	3.96864384	7.723077575	-3.754433735	1.27E-12
peak_11509	chr16	35935267	35936085	28541	Intergenic	NM_199998	utp11l	4.375625066	8.130178393	-3.754553327	8.29E-08

peak_25332	chr21	41733094	41733435	-1246	Intergenic	NM_001115117	sept8a	-0.360322949	3.394288884	-3.754611833	0.000438
peak_13511	chr9	52166886	52167254	381591	Intergenic	NM_001020575	fign	1.618352549	5.373172438	-3.754819889	5.59E-07
peak_16871	chr18	16102982	16103222	197128	Intergenic	NM_001045074	alx1	0.978440673	4.733270027	-3.754829354	6.56E-06
peak_31749	chr21	6123099	6123423	65943	Intergenic	NM_212591	cdk9	-0.360322949	3.395123121	-3.75544607	0.003225
peak_9898	chr17	24115542	24115918	-31195	Intergenic	NM_131250	otx1b	1.831388386	5.587137268	-3.755748882	1.40E-08
peak_30762	chr1	50441927	50442218	-2949	intron (NM_001145563, intron 5 of 5)	NM_001145564	cyp2u1	-0.360322949	3.395477477	-3.755800426	0.002462
peak_9049	chr8	32250356	32250776	14417	Intergenic	NM_200505_1	znf131	3.144713902	6.901816863	-3.75710296	4.52E-09
peak_16651	chr3	30485451	30486188	76976	Intergenic	NM_001045859	mybpc2a	3.834474036	7.592055261	-3.757581225	5.75E-06
peak_12456	chr8	54512632	54512957	-4080	Intergenic	NM_131296	tcf7l1b	2.31603542	6.073967297	-3.757931878	2.11E-07
peak_7250	chr25	11695199	11695650	-301968	Intergenic	NM_001265607	mespbb	3.353084575	7.111473818	-3.758389242	2.80E-10
peak_12899	chr22	24497431	24497704	54483	Intergenic	NR_029937		1.467052111	5.22550296	-3.758450849	3.16E-07
peak_21552	chr8	45612700	45613079	4323	intron (NM_001007032, intron 1 of 44)	NM_001007032	ncor2	0.625495796	4.384010901	-3.758515105	8.79E-05
peak_8024	chr16	21350062	21350957	-143411	Intergenic	NM_205550	sp8b	4.85450449	8.614388894	-3.759884405	9.91E-10
peak_5233	chr15	13750178	13750682	-71712	intron (NM_001012375, intron 4 of 8)	NM_001030204	dpf1	4.822913981	8.583388915	-3.760474934	4.06E-12
peak_9203	chr14	38881631	38882209	675021	Intergenic	NM_001048055	lect2l	2.722150645	6.482892314	-3.760741669	5.55E-09
peak_15008	chr14	32864692	32865006	21645	Intergenic	NM_001001950	zic3	1.243333623	5.004335003	-3.76100138	1.81E-06
peak_12671	chr5	62464791	62465305	-63045	Intergenic	NM_001030174	lig3	2.533336158	6.295340018	-3.762003861	2.56E-07
peak_5186	chr23	2348118	2349448	-86547	Intergenic	NM_131230	tcp1	5.778250591	9.540261341	-3.76201075	3.68E-12
peak_2856	chr22	32989880	32991100	-29759	Intergenic	NM_131237	mxi1	5.99997995	9.762481605	-3.762501655	1.02E-15
peak_10464	chr25	20256390	20256780	32475	Intergenic	NM_001004622	zgc:101783	2.355234589	6.117891659	-3.76265707	2.62E-08
peak_13900	chr11	35486036	35486363	-11578	Intergenic	NM_001080079	mapkapk3	2.247969535	6.011649877	-3.763680342	7.70E-07
peak_5851	chr7	38991773	38992340	22338	intron (NM_001043333, intron 3 of 9)	NM_001043333	nkd1	2.725478726	6.489874598	-3.764395872	1.69E-11
peak_4047	chr10	32301937	32302511	67257	Intergenic	NM_200398	tmem218	3.636144784	7.401073921	-3.764929137	1.19E-13
peak_21505	chr20	36623073	36623447	18661	intron (NM_001013521, intron 1 of 12)	NM_001013521	enah	0.95594936	4.720958282	-3.765008922	8.56E-05
peak_8180	chr25	14754254	14755047	-13594	Intergenic	NM_131178	dbx1b	4.011613085	7.776643303	-3.765030218	1.29E-09
peak_21486	chr22	12596694	12597169	35954	Intergenic	NM_199522	rnd3a	-0.360322949	3.405535903	-3.765858852	8.47E-05
peak_7299	chr9	38797144	38797779	-9693	Intergenic	NM_001113576	pdia5	3.634375402	7.400483045	-3.766107643	3.07E-10
peak_11288	chr21	23019245	23019876	5077	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	3.828296123	7.594907635	-3.766611512	6.55E-08
peak_23570	chr11	4594014	4594435	230452	Intergenic	NM_001077310		2.31603542	6.082848169	-3.766812749	0.000212
peak_10414	chr16	49452775	49453533	-12859	Intergenic	NM_001145238	rpz	4.539911934	8.306737736	-3.766825802	2.48E-08
peak_5881	chr10	46121413	46122373	158594	intron (NM_199957, intron 1 of 6)	NM_199957	ppiab	5.593444636	9.360402604	-3.766957969	1.81E-11
peak_3940	chr23	41461928	41462837	-292972	Intergenic	NM_001139458	si:dkey-194e6.1	5.562992427	9.330151511	-3.767159084	8.18E-14
peak_22637	chr21	10689102	10689424	1488	intron (NM_001002562, intron 1 of 12)	NM_001002562	celf4	-0.360322949	3.406852992	-3.767175941	0.000144
peak_18909	chr24	26971411	26971747	-10433	Intergenic	NR_030508		0.978440673	4.74666188	-3.768221208	2.25E-05
peak_17289	chr8	45861596	45862118	23847	Intergenic	NM_130917	fzd10	3.250281917	7.01860307	-3.768321152	8.46E-06
peak_13716	chr16	45167629	45167938	-84851	Intergenic	NM_200188	herpud2	1.426730103	5.195087454	-3.768357351	6.63E-07
peak_13058	chr9	3410223	3410640	-13277	Intergenic	NM_131311	dlx2a	2.614767619	6.383271195	-3.768503576	3.74E-07
peak_19058	chr16	42565452	42566476	-40327	Intergenic	NM_001076716	rbms3	3.665896933	7.435122631	-3.769225698	2.46E-05
peak_2235	chr6	18107070	18110398	109916	intron (NM_131029, intron 4 of 5)	NM_131029	ntn1a	7.531876621	11.30234256	-3.77046594	2.72E-17
peak_15358	chr22	17178820	17179096	40489	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	0.653720264	4.424337749	-3.770617484	2.35E-06
peak_3509	chr6	44845845	44847037	-513159	Intergenic	NM_001256392	pdzrn3b	6.501060324	10.27213291	-3.771072583	1.59E-14
peak_6373	chr23	35756561	35757461	-3200	Intergenic	NM_001190982	tuba1l2	5.534759635	9.305919562	-3.771159926	5.22E-11
peak_18300	chr18	19748168	19748466	-8181	Intergenic	NM_001045133	skor1b	1.467052111	5.238229202	-3.771177091	1.61E-05
peak_12432	chr2	37516016	37516413	-20342	Intergenic	NM_001076578	sdr39u1	1.618352549	5.389676569	-3.77132402	2.06E-07
peak_10773	chr24	20497074	20497533	127966	Intergenic	NM_001077372	zgc:153639	2.909716015	6.681357221	-3.771641207	3.76E-08
peak_10824	chr19	43343625	43343980	38854	intron (NM_001044977, intron 5 of 11)	NM_001044977	tinagl1	1.66069094	5.432360249	-3.771669308	3.99E-08
peak_12950	chr8	43212939	43213312	14051	intron (NM_212918, intron 6 of 6)	NM_212918	fahd2a	2.570823028	6.343123252	-3.772300224	3.34E-07
peak_6369	chr7	44353503	44354076	3785	intron (NM_001146305, intron 1 of 13)	NM_001146305	plxdc2	2.883141315	6.6554736	-3.772332285	5.18E-11
peak_6912	chr17	10781551	10782079	-82530	Intergenic	NM_214693	lgals3l	3.605660766	7.378177305	-3.772516539	1.45E-10
peak_4734	chr7	37314165	37315311	-149795	Intergenic	NM_001045227	irx5a	5.506874198	9.279683657	-3.772809459	1.02E-12
peak_14621	chr10	4691504	4692012	-29806	Intergenic	NM_001204256	palm2	3.137236739	6.910431328	-3.773194589	1.37E-06
peak_5294	chr13	1128495	1129208	51164	Intergenic	NM_001110393	olig3	4.293658114	8.066970098	-3.773311984	4.78E-12
peak_4915	chr8	44561983	44562969	102409	Intergenic	NM_001123319	kazald3	4.571801766	8.345814002	-3.774012236	1.78E-12
peak_8487	chr15	29326458	29326770	176552	Intergenic	NR_030070		2.229335828	6.003473881	-3.774138053	2.07E-09
peak_3077	chr7	37596009	37596881	-198317	Intergenic	NM_200105	aktip	4.865104932	8.639320751	-3.77421582	2.76E-15
peak_20241	chr8	53892417	53892890	-15372	Intergenic	NM_001013567	zgc:113115	1.618352549	5.392871205	-3.774518655	4.68E-05
peak_19245	chr15	23574180	23574692	-278062	Intergenic	NM_212633	appbp2	1.426730103	5.201694746	-3.774964643	2.70E-05
peak_25489	chr12	26052243	26052690	-192840	intron (NM_001080021, intron 15 of 21)	NM_001001812	fshr	1.467052111	5.242854959	-3.775802848	0.000462
peak_2349	chr5	67617026	67618475	7017	Intergenic	NR_029939		6.794396127	10.57067276	-3.776276632	6.36E-17
peak_18958	chr1	16316222	16316649	13012	intron (NM_001031837, intron 1 of 20)	NM_001031837	acsl1a	1.984009138	5.760418152	-3.776409014	2.31E-05
peak_16166	chr23	23744654	23745063	-35142	Intergenic	NM_001177452	hm:gc12	1.618352549	5.394996242	-3.776643692	4.19E-06
peak_12198	chr13	16876366	16876963	305032	intron (NM_001145600, intron 18 of 28)	NM_001145600	kcnma1a	3.620141679	7.396802606	-3.776660926	1.63E-07
peak_4405	chr17	37093946	37094524	9932	intron (NM_001018149, intron 2 of 12)	NM_001018149	dpysl5a	4.632603848	8.409971407	-3.777367559	3.93E-13
peak_14239	chr3	42364757	42364973	-150781	Intergenic	NM_001109869	kdm8	0.625495796	4.402882434	-3.777386638	1.02E-06
peak_2977	chr17	26401192	26402098	44991	Intergenic	NM_001080665	fam149b1	5.751878154	9.530286849	-3.778408695	1.88E-15
peak_3047	chr24	28414230	28414826	-4213	Intergenic	NM_131095	ek1	4.523754484	8.302801838	-3.779047355	2.42E-15
peak_31669	chr15	34268407	34268777	25088	Intergenic	NM_200166	zgc:55621	-0.360322949	3.419007429	-3.779330379	0.003145
peak_11931	chr14	41563732	41564179	130679	Intergenic	NM_001127519	pcdh19	2.570823028	6.350576215	-3.779753188	1.27E-07
peak_13588	chr11	19420068	19420562	97775	intron (NM_001007063, intron 2 of 21)	NM_001110031	rhol	2.784293744	6.565608297	-3.781314553	5.97E-07
peak_4718	chr1	46580252	46580945	-110842	Intergenic	NM_001037662	sox1b	4.674632506	8.455992954	-3.781360449	9.84E-13
peak_11986	chr6	3598339	3598754	-44264	Intergenic	NM_194419	gad1b	2.614767619	6.39614712	-3.781379501	1.33E-07
peak_13966	chr1	47715226	47715557	39755	Intergenic	NM_001003579	morc3b	2.075829856	5.857410918	-3.781581062	8.20E-07
peak_12813	chr11	3163069	3163346	6169	intron (NM_201028, intron 17 of 19)	NR_030505		1.618352549	5.399980368	-3.781627819	2.93E-07
peak_6152	chr11	40283151	40284190	-5428	Intergenic	NM_001017736	cldn19	4.294778726	8.076742041	-3.781963315	3.40E-11
peak_16385	chr8	16747201	16748095	30815	Intergenic	NM_001007064	dmrta2	2.350931353	6.133365362	-3.78243401	4.86E-06
peak_3213	chr17	29069503	29071218	108087	Intergenic	NM_131067	foxg1a	5.392472402	9.176919635	-3.784447233	4.62E-15
peak_6105	chr17	29924648	29925103	11571	intron (NM_212954, intron 2 of 5)	NM_212954	esrrga	3.236351702	7.020862475	-3.784510773	3.10E-11
peak_13813	chr18	9069063	9069567	121761	Intergenic	NM_001045084	sema3e	2.10167217	5.886236647	-3.784564477	7.16E-07
peak_7994	chr4	8492713	8493199	-45935	Intergenic	NM_200145	zgc:55888	3.017134431	6.802701894	-3.785567462	9.46E-10
peak_2401	chr11	40461315	40462676	-25433	Intergenic	NM_001040387	wnt4a	6.684926177	10.47083215	-3.785905969	8.28E-17
peak_8288	chr17	39101427	39101892	-46762	intron (NM_212821, intron 14 of 16)	NM_001017770	slc24a4a	2.533336158	6.319710778	-3.786374621	1.56E-09
peak_2890	chr5	69573546	69574218	-150179	Intergenic	NM_001083565	hip1rb	5.080347896	8.866890254	-3.786542358	1.25E-15
peak_15855	chr15	32746144	32746397	57321	Intergenic	NM_152974	mab21l1	1.243333623	5.029907098	-3.786573476	3.41E-06
peak_13915	chr7	32629157	32629679	-79511	Intergenic	NM_001089326	ctdspl2b	2.834474036	6.62150297	-3.787028934	7.80E-07
peak_21818	chr16	45775673	45776168	-4607	TTS (NM_001128238)	NM_173225	thbs3a	2.122017822	5.909115849	-3.787098027	9.98E-05
peak_4323	chr7	17971577	17972014	-32725	intron (NM_001017655, intron 13 of 15)	NM_001009557	slc6a5	3.85293938	7.641790632	-3.788851252	2.90E-13
peak_6510	chr12	1944624	1945403	212350	Intergenic	NM_131643	sox9a	3.486912637	7.276453633	-3.789540996	6.86E-11
peak_7599	chr23	29681245	29681998	-44244	intron (NM_194382, intron 20 of 46)	NM_213453	pgd	4.080959696	7.870537247	-3.789577551	5.08E-10
peak_2782	chr10	27874700	27875491	143482	Intergenic	NM_152948	cxadr	5.324806851	9.114902755	-3.790095904	7.08E-16
peak_25088	chr23	13596749	13597334	-119167	Intergenic	NR_030650		-0.360322949	3.429885472	-3.790208421	0.000401
peak_15281	chr15	3170043	3170562	-115616	Intergenic	NM_001045369	zgc:153184	3.25733105	7.048903416	-3.791572366	2.23E-06
peak_11188	chr7	59344662	59344986	-928	promoter-TSS (NM_001006063)	NM_001006063	ank2b	1.787481669	5.57929316	-3.791811491	5.96E-08
peak_26023	chr15	16569485	16569704	143577	Intergenic	NM_213076	rps6kb1b	0.625495796	4.417461039	-3.791965243	0.000554
peak_13512	chr7	48468275	48468678	-77651	Intergenic	NM_001195407	tshz3b	2.075829856	5.868104717	-3.792274861	5.60E-07
peak_18619	chr4	16205508	16205827	-81587	Intergenic	NM_001033585	sox5	0.625495796	4.418395745	-3.792899949	1.91E-05
peak_13823	chr13	11017181	11017862	76277	intron (NM_001197201, intron 3 of 14)	NM_001197201	akt3a	1.243333623	5.036238821	-3.792905198	7.23E-07
peak_3300	chr23	2133451	2134413	-74810	Intergenic	NM_001002301	prdm5	5.467607045	9.260633061	-3.793026016	6.75E-15
peak_9085	chr19	24431723	24432103	13989	intron (NM_001044923, intron 1 of 10)	NM_001044923	si:dkey-222b8.1	2.329220506	6.122565518	-3.793345012	4.71E-09
peak_7147	chr7	16759184	16759773	39698	intron (NM_001017638, intron 6 of 9)	NM_001017638	elp4	3.712120089	7.506249647	-3.794129559	2.27E-10
peak_8695	chr4	2334439	2334927	-18373	Intergenic	NM_001128382	zdhhc17	2.715471362	6.509779981	-3.794308619	2.69E-09
peak_9486	chr14	38265035	38265530	58383	Intergenic	NM_001048055	lect2l	1.639677051	5.433995749	-3.794318698	8.25E-09
peak_10333	chr2	23330225	23331040	-3247	Intergenic	NM_001256203	angptl4	4.719649537	8.5139936	-3.794344063	2.26E-08
peak_5270	chr2	27137470	27138705	-20522	Intergenic	NM_001077448	cdh7	5.142153178	8.93688218	-3.794729002	4.54E-12
peak_2325	chr20	30174410	30175363	-113686	Intergenic	NM_131337	sox11b	6.498387781	10.29374598	-3.795358197	5.65E-17
peak_15139	chr20	28471815	28472228	11545	intron (NM_001111169, intron 1 of 11)	NM_001111169	dpf3	2.247969535	6.043846218	-3.795876682	2.00E-06

peak_2881	chr21	19540810	19544053	-484	promoter-TSS (NM_213226)	NM_213226	zgc:85869	6.799757254	10.5957811	-3.796023845	1.19E-15
peak_23069	chr13	31120893	31121180	-14975	Intergenic	NM_001037105	drgx	0.944570835	4.740913107	-3.796342272	0.000174
peak_28456	chr8	11427137	11427448	44518	intron (NM_001004579, intron 4 of 14)	NM_001004579	pip5k1bb	0.234016866	4.030460052	-3.796443186	0.001271
peak_5366	chr17	33049939	33050490	18794	intron (NM_131405, intron 3 of 3)	NM_131405	prox1a	2.883141315	6.679592734	-3.79645142	5.42E-12
peak_12319	chr17	51870840	51871417	83353	Intergenic	NM_001006065	tssc1	2.31603542	6.112562577	-3.796527157	1.82E-07
peak_19222	chr21	39802646	39803002	-68690	Intergenic	NM_001076712	bod1	1.646715745	5.443342367	-3.796626622	2.66E-05
peak_3532	chr12	28245070	28245722	52313	intron (NM_200874, intron 2 of 16)	NM_200874	arhgap12b	4.451058288	8.247899079	-3.796840791	1.76E-14
peak_11874	chr9	14873940	14874460	-93134	Intergenic	NM_212966	nrp2b	1.938847741	5.73682014	-3.7979724	1.19E-07
peak_3869	chr5	21463065	21464100	-31757	Intergenic	NM_001126454	fam222a	6.522306147	10.32046051	-3.798154362	6.71E-14
peak_3097	chr15	20308193	20309434	70436	Intergenic	NM_001128755	ubash3bb	5.485412503	9.283968276	-3.798555773	2.86E-15
peak_11765	chr5	47611103	47611375	10086	intron (NM_001128339, intron 1 of 11)	NM_001128339	sv2c	1.426730103	5.225401162	-3.798671059	1.05E-07
peak_14522	chr21	43185928	43186181	-16532	Intergenic	NM_131826	spry4	1.243333623	5.042959928	-3.799626306	1.27E-06
peak_24170	chr11	16725434	16725712	123973	Intergenic	NM_001030143	slc25a26	0.625495796	4.425540062	-3.800044266	0.000278
peak_4212	chr23	172220	172844	33909	Intergenic	NM_001077296	zgc:153351	3.641439946	7.44177045	-3.800330503	2.07E-13
peak_23427	chr10	38986036	38986288	152701	intron (NM_212796, intron 6 of 16)	NM_212796	msi2a	-0.360322949	3.440942461	-3.80126541	0.0002
peak_13405	chr9	31065616	31065994	21682	exon (NM_001080171, exon 6 of 8)	NM_001080171	dcbld2	1.984009138	5.785419665	-3.801410527	5.12E-07
peak_16003	chr17	22256249	22256644	45183	intron (NM_001039144, intron 1 of 5)	NM_001039144	slc8a1b	1.467052111	5.268816194	-3.801764083	3.78E-06
peak_9070	chr10	24066966	24067636	273007	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	4.079659981	7.88171617	-3.80205619	4.64E-09
peak_9666	chr22	24650806	24651150	-98928	Intergenic	NR_029937		1.978440673	5.780661589	-3.802220916	1.04E-08
peak_14240	chr17	53221733	53222242	-35121	Intergenic	NM_213232	spred1	1.938847741	5.742041469	-3.803193728	1.02E-06
peak_13549	chr19	8608968	8609338	48496	Intergenic	NM_001100099	si:dkey-266f7.5	1.243333623	5.046561693	-3.803228071	5.76E-07
peak_7866	chr6	25924713	25925110	-97781	Intergenic	NM_001037227	dzip1l	2.903852685	6.707722437	-3.803869752	7.66E-10
peak_2437	chr20	22666300	22667621	14086	intron (NM_001075113, intron 2 of 10)	NM_001075113	lnx1	5.868495741	9.67279433	-3.804298589	1.06E-16
peak_10583	chr12	33083828	33084209	25617	intron (NM_001034980, intron 3 of 7)	NM_001034980	vti1a	1.215200887	5.020626641	-3.805425753	3.01E-08
peak_16502	chr5	505873	506468	5402	intron (NM_001004603, intron 3 of 8)	NM_001004603	ass1	3.912638768	7.719053574	-3.806414806	5.27E-06
peak_14229	chr9	37348631	37349006	394229	Intergenic	NM_131690	atp1a1b	1.618352549	5.424909439	-3.806556889	1.01E-06
peak_13920	chr3	35841407	35841763	-55760	Intergenic	NM_001017817	crlf3	2.363802745	6.170530668	-3.806727923	7.83E-07
peak_4501	chr7	54728150	54728788	51020	Intergenic	NM_001076585	zgc:153993	3.224639552	7.031391709	-3.806752157	5.33E-13
peak_13142	chr17	24075553	24075900	-71199	Intergenic	NM_131250	otx1b	1.66069094	5.46767117	-3.80698023	4.02E-07
peak_15181	chr4	2650297	2650641	-60331	Intergenic	NM_001044997	slco1c1	1.66069094	5.467966686	-3.807275746	2.06E-06
peak_18333	chr9	10642735	10643124	-272354	Intergenic	NM_001003636	hnmt	2.533336158	6.340914761	-3.807578604	1.64E-05
peak_4237	chr3	58679745	58680861	-82705	Intergenic	NM_001161654	notum1a	5.389297874	9.197002475	-3.807704601	2.26E-13
peak_18538	chr8	1418161	1418554	15611	Intergenic	NM_131026	efna5b	3.742100794	7.550253854	-3.80815306	1.82E-05
peak_16335	chr18	20163192	20164227	75339	Intergenic	NM_131355	kif23	3.368192036	7.176742295	-3.808550259	4.70E-06
peak_5956	chr3	37977081	37977797	158389	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	3.106785545	6.916328171	-3.809542626	2.12E-11
peak_3444	chr24	40218590	40219301	-60562	Intergenic	NM_001110474	zgc:162925	4.666813271	8.477065147	-3.810251876	1.21E-14
peak_14627	chr23	28569253	28569648	3471	TTS (NM_145195)	NM_145195	birc5b	2.075829856	5.886198253	-3.810368398	1.38E-06
peak_5745	chr11	32288568	32289057	83242	intron (NM_001201559, intron 17 of 19)	NM_001201559	im:7137555	3.217566349	7.028168601	-3.810602252	1.33E-11
peak_4021	chr6	12185880	12186504	185140	Intergenic	NM_001045348	gpd2	4.155857485	7.966789206	-3.81093172	1.11E-13
peak_5939	chr2	29436906	29437703	11702	Intergenic	NM_207641	ptf1a	4.604757454	8.415890629	-3.811133175	2.05E-11
peak_2179	chr7	37309644	37311057	-145407	Intergenic	NM_001045227	irx5a	6.179139309	9.990601248	-3.811461939	1.94E-17
peak_8945	chr23	35057002	35057365	140931	Intergenic	NM_212746	klf15	1.967238845	5.779058288	-3.811819442	3.90E-09
peak_10289	chr10	27011194	27011439	-139111	Intergenic	NM_001007030	synj1	1.618352549	5.430702886	-3.812350337	2.17E-08
peak_16056	chr17	17799880	17800468	14958	intron (NM_001045384, intron 1 of 6)	NM_001045384	ccdc85ca	3.222285668	7.03544275	-3.813157082	3.92E-06
peak_8749	chr24	35532481	35532802	-50472	Intergenic	NM_001002724	zgc:92591	2.324838852	6.138148245	-3.813309393	2.93E-09
peak_2955	chr16	35063464	35064345	12846	Intergenic	NM_001114427	zgc:172323	5.065941806	8.880442719	-3.814500913	1.68E-15
peak_14943	chr10	10179791	10180482	115314	Intergenic	NR_029938		2.64320069	6.458512786	-3.815312096	1.73E-06
peak_5917	chr4	11884908	11885736	-25305	intron (NM_212680, intron 4 of 4)	NM_001159768	b2m	4.991671167	8.807325456	-3.815654289	1.96E-11
peak_6587	chr15	13292335	13292683	149222	Intergenic	NM_199847	fxyd6	2.224639552	6.040494135	-3.815854583	7.92E-11
peak_10519	chr24	3195815	3196149	35436	Intergenic	NM_212751	fam69c	2.200926086	6.016839333	-3.815913247	2.77E-08
peak_23306	chr7	54307393	54307620	-35275	Intergenic	NM_001080170	tp53bp1	0.653720264	4.469735363	-3.816015098	0.000191
peak_8513	chr13	25272509	25272980	149248	intron (NM_001272084, intron 6 of 10)	NM_001272084	adka	3.019847667	6.8363934	-3.816545733	2.15E-09
peak_10127	chr3	30720199	30721007	-81421	Intergenic	NM_214766	med25	2.200926086	6.018290729	-3.817364642	1.80E-08
peak_18235	chr8	34800322	34800701	105795	intron (NM_001098243, intron 2 of 8)	NM_001098243	pbx3b	0.978440673	4.796055595	-3.817614922	1.55E-05
peak_17002	chr14	34166609	34167472	-72667	Intergenic	NM_212957	pdzd11	4.813471063	8.632393374	-3.818922311	7.05E-06
peak_2791	chr1	41897579	41898980	51536	Intergenic	NM_200766	paip2b	6.414850683	10.23460198	-3.819751297	7.26E-16
peak_27463	chr21	6285180	6285413	227978	Intergenic	NM_212591	cdk9	-0.360322949	3.461177376	-3.821500325	0.000914
peak_5494	chr13	5449494	5450917	163881	Intergenic	NM_213234	spred2b	4.347695481	8.169206271	-3.82151079	7.55E-12
peak_7405	chr5	74942669	74943148	28043	Intergenic	NM_131208	lhx3	3.019847667	6.841473016	-3.821625349	3.69E-10
peak_25431	chr23	41998094	41998415	9400	Intergenic	NM_181764_1		-0.360322949	3.461395658	-3.821718607	0.000453
peak_9887	chr8	30458976	30459303	17089	Intergenic	NM_131091	atoh1a	1.984009138	5.806624482	-3.822615344	1.38E-08
peak_22531	chr6	35692856	35693276	92833	Intergenic	NM_001079976	dmrt2b	-0.360322949	3.462599673	-3.822922622	0.000137
peak_7763	chr22	36043715	36044289	28658	intron (NM_173274, intron 1 of 2)	NM_173274	dag1	2.215200887	6.038712145	-3.823511258	6.61E-10
peak_14243	chr4	14218266	14218733	-49461	Intergenic	NM_131680	nrf1	2.075829856	5.899345649	-3.823515794	1.02E-06
peak_17108	chr2	19681900	19682279	-35469	Intergenic	NM_131615_1	pbx1a	1.787481669	5.611319639	-3.82383797	7.55E-06
peak_14538	chr21	7063572	7064450	-32600	Intergenic	NM_001003459	crhbp	2.862128275	6.686006333	-3.823878058	1.29E-06
peak_8142	chr12	45181745	45182588	-361058	Intergenic	NM_001110011	dock1	3.273336808	7.09768843	-3.824351621	1.22E-09
peak_4360	chr9	16129602	16130515	-348378	Intergenic	NM_200144	upp2	5.122685838	8.947267466	-3.824581628	3.28E-13
peak_22980	chr24	3673293	3673725	116827	Intergenic	NM_001168264	wdr37	0.234016866	4.059495031	-3.825478164	0.000168
peak_19566	chr3	23711935	23712325	41065	Intergenic	NM_205716	casc3	2.243333623	6.068818688	-3.825485066	3.21E-05
peak_8697	chr16	25531244	25532048	9527	intron (NM_200783, intron 1 of 4)	NM_200783	efna1b	4.298135349	8.124315205	-3.826179855	2.70E-09
peak_11405	chr14	32832505	32832978	53753	Intergenic	NM_001001950	zic3	2.953113131	6.779828422	-3.826715291	7.46E-08
peak_26251	chr5	35600289	35601002	-22960	Intergenic	NM_200354	zgc:63972	2.200926086	6.027905274	-3.826979187	0.0006
peak_7243	chr11	29190734	29191344	96058	intron (NM_001033094_1, intron 3 of 4)	NM_001033094_1	ephb2b	3.166915653	6.994052554	-3.8271369	2.76E-10
peak_16467	chr4	2962898	2963400	-146812	Intergenic	NM_213494	aebp2	0.978440673	4.80557881	-3.827138137	5.15E-06
peak_6777	chr8	16529198	16529891	5990	intron (NM_001244600, intron 1 of 7)	NM_001244600	elavl4	3.59113946	7.418350062	-3.827210603	1.13E-10
peak_11966	chr18	7283736	7284374	181279	Intergenic	NM_001044963	rabl2	3.243333623	7.07059663	-3.827263007	1.31E-07
peak_4689	chr5	16335978	16336827	-48258	Intergenic	NM_001128246	sc:d411	3.815860363	7.64342598	-3.827565617	9.07E-13
peak_3175	chr15	6214457	6215258	-133853	Intergenic	NM_001005991	zgc:103530	5.646741346	9.474436416	-3.82769507	3.92E-15
peak_2948	chr6	6451752	6452839	44467	intron (NM_001100951, intron 2 of 2)	NM_001100951	bcl11ab	5.608844195	9.436828097	-3.827983902	1.64E-15
peak_36872	chr4	43968318	43969673	1289342	Intergenic	NM_001128300	LOC100008037	-0.360322949	3.467710527	-3.828033476	0.010299
peak_16939	chr17	31733117	31733727	-14651	intron (NM_001077796, intron 5 of 5)	NM_131462	vsx2	3.28916694	7.117365034	-3.828198094	6.82E-06
peak_10497	chr7	70044586	70044937	-133586	Intergenic	NM_205546	hnf4b	1.639677051	5.468610997	-3.828933946	2.72E-08
peak_20670	chr21	16298178	16298499	-93761	Intergenic	NM_001161551	rxraa	1.618352549	5.447318193	-3.828965644	5.79E-05
peak_11990	chr18	19716301	19716728	-39984	Intergenic	NM_001045133	skor1b	1.825197218	5.654260351	-3.829063132	1.33E-07
peak_35555	chr7	4677104	4677685	6447	Intergenic	NM_001100083	si:dkey-83f18.11	-0.360322949	3.469029511	-3.82935246	0.007767
peak_10636	chr22	36595829	36596313	353244	Intergenic	NM_001003610	nicn1	2.44299439	6.272497362	-3.829502972	3.25E-08
peak_10783	chr2	7670854	7671675	68555	Intergenic	NM_001013525	kcnmb2	3.563403173	7.394103321	-3.830700148	3.79E-08
peak_5404	chr2	40811678	40812299	143604	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	3.589313976	7.420514668	-3.831200692	6.01E-12
peak_15054	chr12	38358219	38358666	-32848	Intergenic	NM_001113644_1	zgc:172101	2.31603542	6.147817626	-3.831782207	1.89E-06
peak_5412	chr22	39016602	39017140	397614	Intergenic	NM_001017600	polr2h	4.106785545	7.939232124	-3.832446579	6.15E-12
peak_3552	chr20	30179883	30180373	-118928	Intergenic	NM_131337	sox11b	3.684926177	7.517403479	-3.832477303	1.91E-14
peak_14652	chr8	31413074	31413558	-54645	intron (NM_001123253, intron 8 of 22)	NM_001039816	specc1la	1.831388386	5.664068835	-3.832680449	1.41E-06
peak_32133	chr8	47369308	47369852	-76746	Intergenic	NM_213457	chmp4b	-0.360322949	3.472537604	-3.832860553	0.003527
peak_5182	chr21	11898334	11898860	-5806	Intergenic	NM_131112	pou5f3	4.319278758	8.1523612	-3.833082443	3.62E-12
peak_30391	chr15	4728786	4729095	97162	Intergenic	NM_001039993	lipt2	-0.360322949	3.472802025	-3.833124974	0.002243
peak_7766	chr20	34390905	34391503	-34165	Intergenic	NM_001144791	fam129aa	4.298135349	8.131427631	-3.833292281	6.62E-10
peak_6588	chr15	10772667	10773136	238336	intron (NM_130969, intron 7 of 31)	NM_130969	odz4	3.605660766	7.439041294	-3.833380528	7.93E-11
peak_11915	chr21	17990002	17990424	104180	Intergenic	NM_001002475	nkx6.1	1.831388386	5.664956228	-3.833567841	1.24E-07
peak_9504	chr11	19633151	19633485	53888	exon (NM_001257196, exon 27 of 30)	NM_001257196	adamts9	2.329220506	6.163368712	-3.834148206	8.38E-09
peak_4269	chr9	32222243	32223209	21707	intron (NM_001037416, intron 1 of 7)	NM_001037416	clybl	4.444004846	8.278183209	-3.834178363	2.47E-13
peak_20705	chr17	28892581	28893784	-22472	Intergenic	NM_001003822	g2e3	2.986785331	6.821151631	-3.8343663	5.87E-05
peak_16006	chr14	770634	770963	-8267	intron (NM_212882, intron 8 of 12)	NM_199878	trim35-27	1.243333623	5.078000866	-3.834667244	3.78E-06
peak_17701	chr1	1890909	1891270	32762	intron (NM_001099998, intron 2 of 7)	NM_001161671	mbnl2	1.66069094	5.495999994	-3.835309054	1.13E-05
peak_19284	chr20	24046125	24046891	103643	Intergenic	NM_212819	cx52.6	4.495767131	8.332180942	-3.836413811	2.76E-05

peak_17572	chr19	22140675	22141228	57939	Intergenic	NM_001159669	LOC100003866	2.200926086	6.038331318	-3.837405231	1.03E-05
peak_3652	chr3	47885552	47886616	-82611	Intergenic	NM_001002183	cdc42ep4a	5.516568263	9.354065036	-3.837496773	2.83E-14
peak_18780	chr18	37231925	37232316	19747	intron (NM_001202420, intron 1 of 11)	NM_001202420	fam214a	2.238682765	6.076606846	-3.837924081	2.09E-05
peak_7980	chr16	34857004	34857588	-16995	Intergenic	NM_131160	pou3f2b	3.432850718	7.270862029	-3.838011311	9.21E-10
peak_9953	chr19	23096614	23096973	51611	Intergenic	NM_001044951	eif3eb	2.075829856	5.914739009	-3.838909154	1.48E-08
peak_15043	chr19	15381141	15381494	-66821	Intergenic	NM_199211	ctps1a	2.471023015	6.310372318	-3.839349303	1.87E-06
peak_20287	chr19	32202727	32202995	49855	Intergenic	NM_212595	rbb4	0.944570835	4.784299179	-3.839728344	4.80E-05
peak_5005	chr19	2592159	2592926	-46397	Intergenic	NM_213241	sp8a	4.234016866	8.073840314	-3.839823448	2.26E-12
peak_9888	chr7	44795334	44795747	-34729	Intergenic	NM_131214	cdh11	1.938847741	5.779026654	-3.840178914	1.38E-08
peak_3953	chr14	32839323	32840056	46805	Intergenic	NM_001001950	zic3	4.790616223	8.630796039	-3.840179816	8.88E-14
peak_23203	chr8	24182117	24182382	-26958	Intergenic	NM_001020476	dnmt3b	-0.360322949	3.480271971	-3.84059492	0.000184
peak_15539	chr12	12076814	12077202	-109813	Intergenic	NM_131406	raraa	2.42263522	6.263918999	-3.841283779	2.70E-06
peak_22414	chr18	23273796	23274326	299480	Intergenic	NM_131301	mef2aa	0.653720264	4.495150233	-3.841429968	0.000131
peak_11059	chr11	19874307	19874729	19905	intron (NM_183343, intron 2 of 7)	NM_183343	prickle2	2.122017822	5.964262947	-3.842245125	5.27E-08
peak_2736	chr11	2825251	2826087	83593	Intergenic	NM_001080669	srpk1b	5.614715268	9.456980866	-3.842265598	5.35E-16
peak_15024	chr12	36737501	36737937	-127107	Intergenic	NM_200770	fscn2b	3.073219981	6.915558865	-3.842338884	1.84E-06
peak_6815	chr5	30224402	30225015	-32896	intron (NM_130907, intron 11 of 22)	NM_001089574	zgc:162952	4.51121928	8.353850589	-3.84263131	1.22E-10
peak_10964	chr20	29096943	29097362	110904	Intergenic	NM_001128711	gpr176	1.961605146	5.804382667	-3.842777521	4.68E-08
peak_11879	chr8	17750086	17750510	46286	Intergenic	NM_001003556	dimt1l	2.614767619	6.457623084	-3.842855465	1.19E-07
peak_8616	chr19	49304419	49304989	-7540	intron (NM_001040330, intron 2 of 8)	NM_001002609	psmb2	3.701920745	7.545636618	-3.843715873	2.42E-09
peak_7022	chr13	30562884	30563702	111570	Intergenic	NM_201216	rps24	4.782603938	8.626401312	-3.843797374	1.76E-10
peak_6419	chr9	45297377	45298341	57714	intron (NM_001089474, intron 2 of 12)	NM_001089474	cerkl	2.809602052	6.653670729	-3.844068676	5.76E-11
peak_5847	chr21	36537596	36538356	-18149	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	4.629942431	8.474443493	-3.844501062	1.67E-11
peak_17923	chr9	16052082	16052646	-351493	Intergenic	NM_131520	fn1a	3.420463621	7.264973497	-3.844509876	1.30E-05
peak_9244	chr7	57105933	57106637	209539	Intergenic	NM_001003506	trappc2l	3.275608918	7.12023071	-3.844621792	5.85E-09
peak_9740	chr19	42525275	42525939	-34758	Intergenic	NM_001013293	chrac1	5.610247636	9.454876364	-3.844628729	1.15E-08
peak_2514	chr11	42482493	42483745	16571	intron (NM_131332_1, intron 1 of 3)	NM_131324_1	pax7a	6.106804156	9.951445157	-3.844641001	1.59E-16
peak_18123	chr11	30506433	30507123	27932	Intergenic	NM_001037677	rpl22	3.822182324	7.667156767	-3.844974443	1.47E-05
peak_2763	chr6	45847522	45848631	-5192	Intergenic	NM_131415	epha2a	6.62745956	10.47245958	-3.845000022	6.25E-16
peak_20721	chr7	25605791	25606941	33718	intron (NM_001100026, intron 20 of 25)	NM_001083839	nat8l	4.22103851	8.066619234	-3.845580724	5.90E-05
peak_18134	chr25	13581270	13581717	-6999	Intergenic	NR_029920		1.831388386	5.677120702	-3.845732315	1.47E-05
peak_12669	chr5	56410800	56411182	35160	intron (NM_001130397, intron 5 of 13)	NM_001130397	mamdc2a	0.978440673	4.824698129	-3.846257457	2.55E-07
peak_3334	chr10	38425940	38427038	-51745	Intergenic	NM_001077461	cuedc1a	6.369475636	10.21590273	-3.846427093	7.84E-15
peak_6406	chr10	5276491	5277028	39013	Intergenic	NM_001020471	sptlc1	3.383019995	7.229850314	-3.846830319	5.58E-11
peak_5601	chr7	52510812	52511468	-47456	Intergenic	NM_001123230	col4a5	3.096540606	6.943547026	-3.84700642	9.88E-12
peak_21518	chr17	51587162	51587430	59463	intron (NM_200464, intron 26 of 36)	NM_200464	aqr	0.653720264	4.500831117	-3.847110853	8.60E-05
peak_11659	chr10	3607414	3607889	79893	Intergenic	NM_001037412	zgc:123275	1.205700064	5.053479422	-3.847779358	9.50E-08
peak_2904	chr21	19526218	19527468	-16072	Intergenic	NM_213226	zgc:85869	6.460370025	10.30943777	-3.849067746	1.32E-15
peak_25130	chr1	14673175	14673374	-127314	Intergenic	NM_001020560	tusc3	-0.360322949	3.489368325	-3.849691274	0.000406
peak_3488	chr11	29046977	29047548	-47719	Intergenic	NM_001033094_1	ephb2b	4.225815055	8.077113323	-3.851298269	1.44E-14
peak_6134	chr11	19142913	19143857	-17744	Intergenic	NM_131245	id1	6.181297005	10.0326611	-3.851364097	3.29E-11
peak_4226	chr20	30101340	30102245	-40592	Intergenic	NM_131337	sox11b	4.202051377	8.053640799	-3.851589422	2.16E-13
peak_3717	chr13	43771357	43772749	40131	intron (NM_214809, intron 28 of 68)	NM_001077581	zgc:153073	5.389328476	9.24097832	-3.851649844	3.58E-14
peak_5471	chr20	43430119	43430839	19637	Intergenic	NM_001044916	unc93a	4.023907976	7.875606124	-3.851698148	7.16E-12
peak_6945	chr3	40462444	40463180	61752	Intergenic	NM_181601	actb2	3.607465695	7.459250102	-3.851784407	1.55E-10
peak_5171	chr14	30359837	30360488	-284869	Intergenic	NM_001045414	zgc:153146	4.410220044	8.263010885	-3.852790841	3.50E-12
peak_17844	chr10	32555441	32555795	-45193	Intergenic	NM_001115066	esama	1.426730103	5.280062134	-3.853332031	1.24E-05
peak_5344	chr5	34400168	34400709	-8705	Intergenic	NM_199754	ier5l	4.671134553	8.525292018	-3.854157466	5.23E-12
peak_7077	chr1	12184718	12185383	-29178	Intergenic	NM_001115058	pcdh18a	4.754371579	8.608589143	-3.854217565	2.02E-10
peak_16212	chr23	16477686	16477976	-358159	Intergenic	NM_200736	mrgbp	0.978440673	4.83298311	-3.854542438	4.32E-06
peak_17018	chr13	17497664	17498183	15412	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	2.42263522	6.277319361	-3.854684142	7.10E-06
peak_23421	chr14	37699252	37699569	-41802	Intergenic	NM_001110281	aga	1.205700064	5.060706148	-3.855006084	0.0002
peak_18527	chr23	28866079	28866405	40485	intron (NM_131361, intron 1 of 28)	NM_131361	nadl1.2	1.793836463	5.648897858	-3.855061395	1.81E-05
peak_2676	chr5	49785391	49786802	-27865	Intergenic	NM_001013453	ccnh	5.722150645	9.577394296	-3.855243651	3.81E-16
peak_28579	chr20	48690955	48691190	40465	Intergenic	NM_001020753	prep	-0.360322949	3.495159073	-3.855482022	0.001323
peak_6827	chr13	1167230	1168068	12366	Intergenic	NM_001110393	olig3	4.496684491	8.352611857	-3.855927366	1.24E-10
peak_11539	chr23	21767002	21767320	-1997	Intergenic	NM_131090	her4.2	2.075829856	5.931788009	-3.855958153	8.52E-08
peak_4322	chr5	51097813	51098527	-286450	Intergenic	NM_001201438	si:dkey-172m14.:	3.594783512	7.450895264	-3.856111752	2.90E-13
peak_5787	chr17	12726326	12727359	-79235	intron (NM_001146304, intron 33 of 39)	NM_199629	nfkbiab	4.513202404	8.369427382	-3.856224978	1.46E-11
peak_36802	chr4	53261125	53261641	313463	intron (NM_001109740, intron 1 of 2)	NM_001114418	zgc:174704	-0.360322949	3.496753203	-3.857076152	0.010116
peak_16699	chr15	38068387	38068901	145009	intron (NM_131633, intron 2 of 29)	NM_131633	robo2	2.664163689	6.522043517	-3.857879828	5.95E-06
peak_4412	chr19	28472464	28473094	16752	Intergenic	NM_001017699	med10	4.478989702	8.337027012	-3.85803731	4.06E-13
peak_3427	chr19	1236018	1236721	-9421	Intergenic	NM_001113601	scrt1a	5.337400409	9.196344101	-3.858943692	1.14E-14
peak_6669	chr10	44010109	44010537	39864	intron (NM_001161732, intron 7 of 17)	NM_200539	stc1l	2.950271315	6.809426601	-3.859155285	9.25E-11
peak_2775	chr9	6742425	6743153	-40104	Intergenic	NM_131150	pou3f3a	5.899092613	9.760858393	-3.86176578	6.68E-16
peak_13249	chr24	34805788	34806122	109195	Intergenic	NM_001008621	zgc:101800	1.812734601	5.675446101	-3.862711499	4.40E-07
peak_6924	chr24	27616905	27617631	-148807	Intergenic	NM_001077761	nceh1b	3.753556765	7.61725624	-3.863699474	1.48E-10
peak_13535	chr23	37686328	37686572	-13310	Intergenic	NM_200856	tor1l3	0.625495796	4.489769005	-3.86427321	5.70E-07
peak_11127	chr17	27287228	27288091	-5888	Intergenic	NM_001033095	vgll2b	2.702019304	6.567333501	-3.865314196	5.65E-08
peak_12884	chr23	14501349	14501751	14379	intron (NM_001113646, intron 1 of 6)	NM_001113646	nkain4	1.66069094	5.526629123	-3.865938183	3.12E-07
peak_11271	chr12	34179830	34180192	-71061	Intergenic	NM_001256805	LOC557756	2.122017822	5.988051166	-3.866033344	6.44E-08
peak_9274	chr22	18491760	18492327	13187	Intergenic	NR_029996		3.410159719	7.276278074	-3.866118355	6.13E-09
peak_2369	chr14	44394113	44395094	-14698	Intergenic	NM_001115099	pcdh18b	6.878268689	10.74493721	-3.866668521	6.83E-17
peak_2952	chr5	73473962	73475069	68582	intron (NM_001278805, intron 8 of 23)	NM_001278805	pappaa	5.441983226	9.309158008	-3.867174782	1.67E-15
peak_14063	chr16	51846358	51846934	52104	intron (NM_001012368, intron 1 of 10)	NM_001012368	ext1a	1.618352549	5.486837102	-3.868484553	8.92E-07
peak_6530	chr5	70612163	70613525	44288	intron (NM_001080604, intron 1 of 3)	NM_001080604	zbtb20	5.70999708	9.579012785	-3.869015706	7.12E-11
peak_17999	chr12	5072879	5073157	-46218	Intergenic	NM_001077333	ca15c	0.978440673	4.847766301	-3.869325628	1.37E-05
peak_4117	chr6	14278487	14278972	-75821	Intergenic	NM_001128547	inpp4ab	3.391425188	7.261646012	-3.870220824	1.49E-13
peak_18208	chr22	468721	469454	12649	intron (NM_205627, intron 2 of 12)	NM_205627	dstyk	2.834474036	6.704712131	-3.870238095	1.53E-05
peak_8207	chr16	45689670	45690119	20729	Intergenic	NM_001252504	txnipb	3.111880861	6.982949862	-3.871069001	1.36E-09
peak_9711	chr19	9489245	9489522	13828	intron (NM_131494, intron 3 of 13)	NM_131494	celf3a	1.426730103	5.298063827	-3.871333723	1.10E-08
peak_20708	chr17	12240655	12240924	7843	intron (NM_131434, intron 1 of 7)	NM_131434	snap25b	0.944570835	4.816294725	-3.87172389	5.87E-05
peak_4810	chr17	44314148	44314919	-18438	Intergenic	NM_131251	otx2	5.349853535	9.221849965	-3.87199643	1.29E-12
peak_13185	chr14	25484721	25485320	-74683	Intergenic	NM_131627	cxcl14	2.912638768	6.784964358	-3.87232559	4.17E-07
peak_22836	chr15	30802424	30802730	11543	Intergenic	NM_001099251	hmgb1b	0.944570835	4.81736702	-3.872796185	0.000156
peak_11860	chr3	24560950	24561354	49503	Intergenic	NM_001037381	zgc:123244	2.075829856	5.948909705	-3.873079849	1.16E-07
peak_6977	chr9	16089824	16090729	-388160	Intergenic	NM_200144	upp2	5.142153178	9.015430102	-3.873276925	1.63E-10
peak_7541	chr23	30554270	30554861	267137	Intergenic	NM_212848	uts2a	2.463070247	6.337891417	-3.87482117	4.71E-10
peak_9964	chr11	22448475	22448807	29083	Intergenic	NM_001013545	zgc:101564	1.434885166	5.309797969	-3.874912803	1.50E-08
peak_4627	chr10	28560593	28561370	149816	Intergenic	NM_001020542	ints2	4.714585424	8.589522168	-3.874936744	7.70E-13
peak_6375	chr22	24353657	24354774	214	intron (NM_001044943, intron 1 of 12)	NM_001044943	crb1	5.269351986	9.145184946	-3.87583296	5.24E-11
peak_5526	chr6	749212	750260	-140855	Intergenic	NM_001114903	cyth4b	4.777803175	8.654399903	-3.876596728	8.07E-12
peak_28909	chr20	36495101	36495373	-53739	intron (NM_001013521, intron 4 of 12)	NM_001002720	lbr	-0.360322949	3.51729882	-3.877621769	0.001472
peak_19274	chr22	19935848	19936232	-22598	Intergenic	NM_199573	rgmd	0.653720264	4.532448804	-3.878728539	2.74E-05
peak_2940	chr3	55502434	55503791	17745	intron (NM_001159970, intron 1 of 1)	NM_001159970	s1pr2	5.469096843	9.347868388	-3.878771545	1.57E-15
peak_4838	chr24	28551382	28552265	133082	intron (NM_131095, intron 11 of 16)	NM_131095	ek1	5.337400409	9.216338742	-3.878938333	1.44E-12
peak_17785	chr2	32798027	32798721	-109129	Intergenic	NM_001076570	rnf220a	3.19853316	7.077574076	-3.879040915	1.20E-05
peak_3432	chr13	31552603	31553465	-33074	Intergenic	NM_213410	prdm8	4.228163191	8.108195226	-3.880032034	1.15E-14
peak_5131	chr1	47047661	47048590	-47852	Intergenic	NM_001007327	cab39l	5.058665212	8.939605669	-3.880940457	3.22E-12
peak_9089	chr8	34173463	34173998	56225	intron (NM_001025167, intron 3 of 8)	NM_001025167	lmx1bb	4.37985538	8.261022603	-3.881167223	4.74E-09
peak_5422	chr10	33062661	33063101	3747	intron (NM_131076, intron 3 of 5)	NM_131076	wnt11r	2.958780025	6.840719155	-3.881939131	6.33E-12
peak_5862	chr1	35641723	35642214	-18071	Intergenic	NM_131356	smad1	3.64320069	7.525447959	-3.882247269	1.74E-11
peak_11782	chr11	26758013	26758440	5041	intron (NM_130938, intron 1 of 7)	NM_130938	skib	2.618352549	6.500823622	-3.882471073	1.07E-07
peak_2298	chr3	17837677	17839779	59121	Intergenic	NM_200116	zgc:56719	7.146230561	11.02922286	-3.882992301	4.77E-17
peak_9160	chr3	37352483	37353237	-209497	Intergenic	NM_001024223	mlx	3.911263383	7.794978174	-3.883714791	5.20E-09

peak_2537	chr5	25874243	25876082	-4783	Intergenic	NM_130908	sox19a	6.917449925	10.80209554	-3.884645612	1.78E-16
peak_4073	chr23	23650090	23651265	44728	Intergenic	NM_131873	her9	4.982659603	8.867605712	-3.88494611	1.30E-13
peak_33704	chr9	31696803	31697067	-56421	Intergenic	NM_001109865	klf12b	-0.360322949	3.526721852	-3.887044801	0.005149
peak_5168	chr5	74193022	74193444	252394	Intergenic	NM_001017876_1	fsip1	2.886118348	6.773231106	-3.887112757	3.49E-12
peak_9825	chr8	17394152	17394601	116662	Intergenic	NM_199875	elovl7a	3.428773195	7.316744407	-3.887971213	1.28E-08
peak_12814	chr14	5167877	5168116	-224029	Intergenic	NM_001007134	lbx2	0.625495796	4.514379638	-3.888883842	2.93E-07
peak_6078	chr5	31549654	31550354	-78633	Intergenic	NR_030053		4.384073326	8.273020033	-3.888946707	2.91E-11
peak_3462	chr13	45117529	45118498	240135	Intergenic	NM_001030175	zfand3	6.114757596	10.00468949	-3.889931893	1.30E-14
peak_3850	chr17	15284033	15285006	9752	Intergenic	NM_131605	fabp7a	5.578718708	9.468680859	-3.889962151	6.05E-14
peak_10914	chr4	13462221	13462682	47804	Intergenic	NM_001161493	si:dkey-261e22.4	2.570823028	6.461572285	-3.890749257	4.48E-08
peak_6213	chr9	45310903	45312071	44086	intron (NM_001089474, intron 2 of 12)	NM_001089474	cerkl	4.859012881	8.751164513	-3.892151632	3.85E-11
peak_6762	chr13	30625359	30625758	-104825	Intergenic	NM_001113339	zmiz1a	2.874173177	6.766908208	-3.892735032	1.11E-10
peak_7092	chr16	29420774	29421347	31253	Intergenic	NM_001104936	alg2	3.391425188	7.284592689	-3.893167501	2.07E-10
peak_6091	chr13	5255735	5256096	-9969	Intergenic	NM_131893	meis1	2.234016866	6.129143735	-3.895126869	2.95E-11
peak_2866	chr17	27258681	27260017	-1833	Intergenic	NR_030062		5.571339455	9.467460752	-3.896121298	1.09E-15
peak_4374	chr19	22476222	22477234	-70376	Intergenic	NM_001045150	sall3b	4.132157201	8.028821693	-3.896664492	3.52E-13
peak_31639	chr22	18513807	18514061	-29828	Intergenic	NM_212916	gatad2ab	-0.360322949	3.538062003	-3.898384952	0.003116
peak_2172	chr3	24446942	24447760	-34097	Intergenic	NM_001003478	prr15la	6.05172188	9.950282679	-3.898560798	1.90E-17
peak_32746	chr13	44365479	44365758	96677	Intergenic	NM_001160346	zfyve21	0.625495796	4.524710769	-3.899214973	0.004128
peak_8722	chr23	10223926	10224467	-29235	Intergenic	NM_001111167	zgc:171775	4.356308395	8.255874992	-3.899566597	2.84E-09
peak_10186	chr13	9587557	9587891	-53972	Intergenic	NM_001030064	rnaset2	1.938847741	5.839235738	-3.900387997	1.91E-08
peak_3084	chr16	2534546	2535179	232525	Intergenic	NM_181735	foxi1	5.703658466	9.604230827	-3.900572361	2.81E-15
peak_6165	chr18	48209898	48210364	110280	Intergenic	NM_001007334	yif1b	3.104231123	7.005666504	-3.901435382	3.50E-11
peak_11424	chr8	16109584	16110103	-287364	Intergenic	NM_001017814	spata6	2.471023015	6.372891414	-3.901868398	7.59E-08
peak_3376	chr19	17202264	17202771	-3461	Intergenic	NM_001083068	lrp12	4.804103672	8.706188644	-3.902084972	9.34E-15
peak_4133	chr17	38530339	38531065	67302	Intergenic	NM_001256179	mbip	4.898008447	8.800460204	-3.902451757	1.58E-13
peak_14551	chr3	47884270	47884966	-84077	Intergenic	NM_001002183	cdc42ep4a	3.703609243	7.606593505	-3.902984261	1.29E-06
peak_3012	chr19	1103751	1104395	15337	Intergenic	NM_001130777	slc39a4	4.742052865	8.646664445	-3.90461158	2.16E-15
peak_11084	chr7	8021765	8022853	155836	Intergenic	NM_205544	actn3b	4.243333623	8.14911023	-3.905776608	5.40E-08
peak_15193	chr21	22588784	22589087	-3446	Intergenic	NM_199635	zbtb16a	1.426730103	5.333486637	-3.906756534	2.08E-06
peak_14505	chr18	24362368	24362617	16601	Intergenic	NM_200850	lysmd4	0.215200887	4.121994841	-3.906793954	1.26E-06
peak_6103	chr7	41882161	41882812	4303	intron (NM_001128667, intron 20 of 22)	NR_030097		3.041371788	6.948303049	-3.906931261	3.06E-11
peak_18140	chr3	46852071	46853708	2723	intron (NM_131449, intron 1 of 5)	NM_131449	elavl3	3.82373585	7.731431956	-3.907696105	1.48E-05
peak_3627	chr20	44242365	44242925	-47665	Intergenic	NM_212897_1	clic5b	4.165691145	8.073534441	-3.907843295	2.58E-14
peak_10854	chr18	22664753	22665073	90801	intron (NM_200787, intron 3 of 7)	NM_200787	gnao1a	1.938847741	5.847247923	-3.908400182	4.14E-08
peak_19663	chr19	42033055	42033706	-3251	Intergenic	NM_001002594	sgce	4.548393178	8.457118299	-3.908725121	3.41E-05
peak_2474	chr18	14939210	14939818	20068	intron (NM_205712, intron 12 of 17)	NM_205712	rfx4	5.190056257	9.098877286	-3.908821029	1.30E-16
peak_11984	chr13	16764589	16764913	193119	intron (NM_001145600, intron 3 of 28)	NM_001145600	kcnma1a	0.978440673	4.887422018	-3.908981345	1.33E-07
peak_3353	chr10	43762521	43763304	23016	Intergenic	NM_001002163	zgc:86599	4.391425188	8.301162014	-3.909736826	8.48E-15
peak_4069	chr2	1486717	1487283	47301	Intergenic	NR_111928_1		4.647593172	8.557874377	-3.910281205	1.29E-13
peak_7176	chr5	27164891	27165436	62511	Intergenic	NM_181758	anxa1a	3.555944961	7.466975872	-3.911030911	2.40E-10
peak_3518	chr10	10815950	10816742	13486	Intergenic	NM_181495	nrarpa	5.013015265	8.924436564	-3.9114213	1.63E-14
peak_14430	chr11	29098673	29099147	3929	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	3.250281917	7.161707122	-3.911425204	1.19E-06
peak_22574	chr23	36300152	36300535	57207	Intergenic	NM_001080184	cbx5	0.625495796	4.53779107	-3.912295274	0.00014
peak_4116	chr17	23011879	23012779	35526	intron (NM_001110464, intron 7 of 16)	NM_001110464	rasgrp3	4.466115708	8.379622181	-3.913506473	1.46E-13
peak_21148	chr3	8963072	8963472	-93358	Intergenic	NM_001014360	zgc:113250	2.363802745	6.278027977	-3.914225232	7.22E-05
peak_5576	chr10	6971083	6971512	-32958	Intergenic	NM_001017857	slc35e4	2.895012766	6.809458537	-3.914445771	9.31E-12
peak_10521	chr16	35903870	35904734	-2475	Intergenic	NM_131161	pou3f1	3.169361555	7.084102746	-3.914741191	2.78E-08
peak_12687	chr6	7172115	7172591	5975	intron (NM_001001501, intron 3 of 17)	NM_001001501	dzip1	2.935977657	6.850752805	-3.914775147	2.60E-07
peak_13373	chr4	19325632	19325993	71995	intron (NM_131900, intron 3 of 46)	NM_131900	cacna1c	1.243333623	5.158648504	-3.915314881	4.99E-07
peak_10744	chr3	25833761	25834266	80680	intron (NM_130998, intron 4 of 5)	NM_130998	ntn1b	3.705295767	7.620685156	-3.915389389	3.63E-08
peak_32760	chr22	39340258	39340580	74066	Intergenic	NM_001017600	polr2h	0.625495796	4.541138088	-3.915642292	0.004137
peak_7411	chr9	42594667	42595173	-14168	Intergenic	NM_001004564	mfsd6b	2.350931353	6.266630159	-3.915698806	3.72E-10
peak_1785	chr2	32824701	32828045	-81130	Intergenic	NM_001076570	rnf220a	6.962310563	10.87816539	-3.915854829	1.08E-18
peak_7397	chr21	33557086	33557474	66800	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	2.715471362	6.631508493	-3.916037131	3.61E-10
peak_5076	chr24	9327663	9328626	-84996	Intergenic	NM_001202441	nphp3	3.92580277	7.841898935	-3.916096166	2.75E-12
peak_3514	chr17	24178136	24179574	31930	Intergenic	NM_131250	otx1b	6.40784627	10.32404384	-3.916197569	1.61E-14
peak_18776	chr23	40026132	40026575	21117	intron (NM_001142955, intron 3 of 3)	NM_001142955	minos1	1.205700064	5.122031061	-3.916330997	2.08E-05
peak_6442	chr13	25176580	25177096	110091	intron (NM_001272084, intron 8 of 10)	NM_001110395	zgc:172281	3.605660766	7.522720049	-3.917059283	6.04E-11
peak_3686	chr16	38424112	38424897	-31318	Intergenic	NM_001115142	snrnp48	4.256113835	8.17387814	-3.917764306	3.18E-14
peak_4054	chr11	5081685	5082575	-257454	Intergenic	NM_001077310		4.945242996	8.863241641	-3.917998645	1.21E-13
peak_2203	chr4	16587308	16588286	-4717	Intergenic	NM_001045096	recql	5.269888677	9.188490057	-3.918601379	2.32E-17
peak_18636	chr17	23989515	23990075	97605	Intergenic	NM_205752	b3gnt2b	2.862128275	6.781440689	-3.919312414	1.92E-05
peak_13617	chr17	21638461	21638954	-8699	Intergenic	NM_205601	ikzf5	2.521897487	6.441764744	-3.919867257	6.14E-07
peak_6148	chr1	24294866	24295677	48573	Intergenic	NM_213368	arfip1	4.65197232	8.572046115	-3.920073795	3.36E-11
peak_12024	chr12	44029283	44029771	253111	Intergenic	NM_001080602	ebf3	2.702019304	6.622161123	-3.920141818	1.37E-07
peak_3267	chr24	4664703	4665739	-137263	Intergenic	NM_130918	fzd8a	6.795572534	10.71596484	-3.92039231	5.92E-15
peak_11571	chr2	41496551	41496938	-48074	intron (NM_001020567, intron 2 of 14)	NM_001080597	d2hgdh	2.111880861	6.032526966	-3.920646105	8.80E-08
peak_11947	chr7	68089967	68090364	-111735	Intergenic	NM_178300	arntl1b	1.426730103	5.348390692	-3.921660589	1.28E-07
peak_2682	chr2	32791129	32792294	-115792	Intergenic	NM_001076570	rnf220a	4.310441227	8.232585623	-3.922144396	3.90E-16
peak_5145	chr16	43207314	43208223	-18887	exon (NM_001109715, exon 11 of 11)	NM_001080036	tp53inp1	4.967982496	8.890155692	-3.922173196	3.33E-12
peak_5134	chr21	37261802	37262238	-10814	Intergenic	NM_001080058	zgc:158291	2.886118348	6.808602286	-3.922483938	3.24E-12
peak_18877	chr14	8092473	8093022	-42072	Intergenic	NM_001002626	zgc:92242	1.984009138	5.906874749	-3.922865611	2.21E-05
peak_2329	chr13	37233593	37234535	29005	Intergenic	NM_001008538_1	pygl	5.179139309	9.102036185	-3.922896876	5.73E-17
peak_28978	chr7	7766495	7766784	-14892	Intergenic	NM_001177454_1	zgc:175248	-0.360322949	3.562770383	-3.923093332	0.001501
peak_6853	chr7	17965390	17966159	-38746	intron (NM_001017655, intron 13 of 15)	NM_001009557	slc6a5	4.380911023	8.304027229	-3.923116206	1.30E-10
peak_17191	chr13	17061608	17061999	451532	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	1.205700064	5.129016194	-3.92331613	7.95E-06
peak_12175	chr2	38997752	38998607	185539	intron (NM_001159839, intron 2 of 16)	NM_001159839	clstn2	3.116958245	7.040902084	-3.923943839	1.59E-07
peak_7198	chr16	9400444	9400865	32420	intron (NM_001193327, intron 2 of 5)	NM_001193327	snrka	2.728799148	6.652968006	-3.924168858	2.53E-10
peak_10700	chr1	30246929	30247373	78458	Intergenic	NM_001017795	eef1a1b	3.183950523	7.108473293	-3.924522771	3.46E-08
peak_12330	chr19	15749163	15749660	254145	Intergenic	NM_001201443	gmeb1	2.702019304	6.626721943	-3.924702639	1.86E-07
peak_20027	chr4	6842929	6843314	39120	intron (NM_001201357, intron 1 of 16)	NM_001201357	LOC798487	1.426730103	5.352094884	-3.925364781	4.20E-05
peak_11300	chr8	44167368	44167960	111310	intron (NM_001017996, intron 4 of 8)	NM_001017996	gfra2a	2.751830549	6.677220977	-3.925390428	6.65E-08
peak_2552	chr7	15199778	15200714	31528	Intergenic	NM_001089577	rhcga	6.167545361	10.09459946	-3.927054099	1.92E-16
peak_6319	chr12	18432495	18433108	58910	Intergenic	NM_001001822	ptenb	3.380911023	7.308221275	-3.927310252	4.68E-11
peak_16914	chr20	25684422	25685113	-10010	Intergenic	NM_001082878	si:dkeyp-117h8.4	3.073219981	7.002653026	-3.929433045	6.73E-06
peak_14012	chr17	27261772	27262495	951	TTS (NR_030062)	NR_030062		3.19853316	7.12859623	-3.93006307	8.52E-07
peak_7452	chr13	40036204	40037056	14677	Intergenic	NM_001202417	marveld1	5.46157421	9.391682109	-3.930107898	4.00E-10
peak_11453	chr7	30065010	30065452	4028	intron (NM_205552, intron 1 of 8)	NM_205552	ccdc102a	2.42263522	6.353496583	-3.930861364	7.83E-08
peak_6539	chr20	31909209	31909977	34963	intron (NM_001099981, intron 2 of 26)	NM_001099981	stxbp5a	3.482985287	7.414267116	-3.931281829	7.21E-11
peak_9482	chr7	55545123	55545865	23967	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	4.236419751	8.167920805	-3.931501055	8.20E-09
peak_5537	chr17	33291203	33292529	-72242	Intergenic	NM_001012313	snx9a	5.08686945	9.018396416	-3.931526966	8.31E-12
peak_3193	chr20	38978804	38979528	44180	intron (NM_001082893, intron 1 of 5)	NM_001082893	si:dkey-221h15.1	5.058043882	8.989765999	-3.931722117	4.28E-15
peak_9321	chr18	23759311	23759820	-100500	Intergenic	NM_131183	nr2f2	3.322643025	7.254904442	-3.932261417	6.58E-09
peak_13488	chr6	37555841	37556451	-15906	Intergenic	NM_001018141	tubgcp5	3.137236739	7.069870349	-3.932633611	5.50E-07
peak_10158	chr16	4658973	4659300	16871	intron (NM_131408, intron 5 of 6)	NM_131408	vegfaa	1.434885166	5.367813061	-3.932927895	1.85E-08
peak_13901	chr11	27775884	27776286	-140916	Intergenic	NM_001045307	acad9	3.124540972	7.057966177	-3.933425205	7.74E-07
peak_9810	chr23	14486472	14487193	29097	intron (NM_001113646, intron 1 of 6)	NM_001113646	nkain4	2.632603848	6.567382621	-3.934778774	1.26E-08
peak_17339	chr23	23209789	23210650	259532	Intergenic	NM_212722	eno1a	2.247969535	6.183691205	-3.935721669	8.70E-06
peak_31627	chr17	28922219	28922574	-51686	Intergenic	NM_001003822	g2e3	-0.360322949	3.575908116	-3.936231065	0.003101
peak_3635	chr20	30192909	30193526	-132017	Intergenic	NM_131337	sox11b	5.010971152	8.94752845	-3.936557298	2.61E-14
peak_10023	chr9	13089121	13089483	-34084	Intergenic	NM_001122856	glb1l	1.831388386	5.768001472	-3.936613086	1.60E-08
peak_16432	chr21	36208703	36209468	143625	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	3.365936857	7.302686746	-3.936749889	5.02E-06
peak_26917	chr3	28289351	28289569	-62646	Intergenic	NM_001005596	rbfox1	-0.360322949	3.576729232	-3.937052181	0.000759
peak_10198	chr12	29990222	29991028	74880	Intergenic	NM_001002515	cdk5r1b	3.905406352	7.842753193	-3.937346841	1.94E-08

peak_11789	chr21	19440525	19440776	-102265	Intergenic	NM_213226	zgc:85869	0.944570835	4.88194604	-3.937375205	1.08E-07
peak_3612	chr5	36284399	36285039	-50196	Intergenic	NM_001114845	hexa	5.097825209	9.036041725	-3.938216516	2.37E-14
peak_10257	chr8	31352983	31353499	4029	intron (NM_001123253, intron 1 of 22)	NM_001123253	si:dkey-91m11.5	2.363802745	6.302203419	-3.938400674	2.08E-08
peak_13459	chr9	36251986	36252391	-211156	intron (NM_131830, intron 5 of 16)	NM_152886	appb	1.639677051	5.578174483	-3.938497432	5.36E-07
peak_3205	chr2	45105595	45106386	-37000	Intergenic	NM_001254950	LOC100536659	6.051741216	9.990406618	-3.938665402	4.51E-15
peak_7156	chr20	32482308	32482982	2632	intron (NM_001003608, intron 1 of 8)	NM_001003608	nr2e1	3.346615242	7.286307635	-3.939692393	2.30E-10
peak_19344	chr17	24971642	24971982	-44015	Intergenic	NM_001114588	cln8	1.205700064	5.146512581	-3.940812517	2.84E-05
peak_13420	chr6	33264340	33264539	29515	Intergenic	NM_201143	pik3r3b	0.639677051	4.580608575	-3.940931524	5.19E-07
peak_17728	chr21	4198742	4199010	78055	Intergenic	NM_001007061	dolpp1	0.625495796	4.567172562	-3.941676766	1.15E-05
peak_7440	chr19	10569643	10570019	-80294	Intergenic	NM_001083084	cacng7a	2.555944961	6.498084448	-3.942139487	3.90E-10
peak_18128	chr15	29866257	29867230	135685	intron (NM_201109, intron 10 of 14)	NM_001003615	mrps23	2.247969535	6.190286844	-3.942317309	1.47E-05
peak_11566	chr9	7740489	7740895	-15174	Intergenic	NM_001168287	si:ch73-199e17.1	2.247969535	6.190499853	-3.942530317	8.78E-08
peak_13695	chr13	34174235	34174799	-122882	intron (NM_200549, intron 4 of 19)	NM_001256646	flrt3	3.137236739	7.079820994	-3.942584256	6.53E-07
peak_22672	chr6	15650648	15651103	6799	TTS (NM_001083832)	NM_001083832	ackr3b	1.234016866	5.177075549	-3.943058683	0.000146
peak_14808	chr25	38010591	38011169	87181	intron (NM_200913, intron 6 of 8)	NM_200913	wwox	2.471023015	6.414812625	-3.943789609	1.58E-06
peak_7494	chr19	26691824	26692398	28774	intron (NM_001044814, intron 1 of 3)	NM_001044814	dtnbp1b	2.745287581	6.689653509	-3.944365928	4.27E-10
peak_17667	chr15	14320520	14320831	-14666	Intergenic	NM_001130625	zgc:194737	0.978440673	4.922878394	-3.944437721	1.10E-05
peak_25212	chr3	11710925	11711210	-58094	intron (NM_001042778, intron 10 of 11)	NM_001020706	zgc:112965	-0.360322949	3.584586468	-3.944909417	0.000418
peak_22186	chr20	26304326	26304763	108431	Intergenic	NM_152959	esr1	0.944570835	4.890060803	-3.945489968	0.000118
peak_12859	chr20	33454779	33455292	71587	Intergenic	NM_001044809	smek1	2.31603542	6.261988137	-3.945952717	3.04E-07
peak_12579	chr14	26087763	26088474	24107	intron (NM_001007160, intron 19 of 21)	NM_001007160	pde6a	2.702019304	6.649698894	-3.94767959	2.34E-07
peak_17582	chr23	17352270	17352586	-39308	Intergenic	NM_001080652	zgc:158791	1.243333623	5.193388236	-3.950054613	1.04E-05
peak_8160	chr9	22575918	22576242	6850	intron (NM_001123235, intron 2 of 21)	NM_001123235	arhgef7a	2.426730103	6.377508701	-3.950778598	1.25E-09
peak_11516	chr20	22470575	22471115	72	promoter-TSS (NM_001025512)	NM_001025512	gsx2	2.42263522	6.373504531	-3.950869312	8.33E-08
peak_12081	chr3	60737242	60737786	153300	Intergenic	NM_001130778_1	zgc:194562	2.075829856	6.027102304	-3.951272448	1.44E-07
peak_10793	chr16	31448166	31448580	3911	Intergenic	NR_029995		1.66069094	5.612458696	-3.951767755	3.83E-08
peak_10517	chr12	23615987	23616370	1798	intron (NM_001114552, intron 1 of 3)	NM_001114552	wnt3	1.467052111	5.4199928	-3.952940689	2.76E-08
peak_16095	chr20	28158244	28158560	-116500	Intergenic	NM_001079835	dll4	0.653720264	4.60731925	-3.953598986	3.99E-06
peak_7831	chr4	8174093	8174836	-48810	3' UTR (NM_212824, exon 3 of 3)	NM_001201412	si:dkey-48p11.3	3.5783123	7.532297133	-3.953984833	7.31E-10
peak_5867	chr18	9835040	9835555	-76507	Intergenic	NM_001100024	LOC566572	3.627276095	7.581614417	-3.954338322	1.77E-11
peak_30625	chr24	33163669	33163927	215396	Intergenic	NM_001018143	trdmt1	-0.360322949	3.594318777	-3.954641726	0.002383
peak_6757	chr15	32825960	32827390	-23084	Intergenic	NM_152974	mab21l1	4.933017882	8.887786736	-3.954768854	1.10E-10
peak_19887	chr17	13957439	13958126	368825	Intergenic	NM_200482	jkamp	2.31603542	6.271161213	-3.955125793	3.85E-05
peak_11141	chr7	32889607	32890145	-113940	Intergenic	NM_001199362	cilp	1.938847741	5.89403783	-3.955190089	5.73E-08
peak_14921	chr8	55591159	55591441	13553	3' UTR (NM_131556, exon 9 of 13)	NM_131556	fgd	0.625495796	4.581072593	-3.955576797	1.70E-06
peak_6301	chr13	28762547	28763433	26511	intron (NM_131521, intron 5 of 8)	NM_131521	fbxw4	5.077057032	9.032949189	-3.955892157	4.53E-11
peak_5170	chr12	36619866	36620768	-188405	Intergenic	NM_001256248	tbccl	2.964424746	6.92076624	-3.956341494	3.49E-12
peak_11839	chr5	16941350	16941867	34272	intron (NM_001013508, intron 5 of 6)	NM_183339	tbx1	2.075829856	6.033257625	-3.95742777	1.14E-07
peak_2828	chr5	51293023	51293713	-234205	Intergenic	NM_131180	nr2f1a	3.993783045	7.951676634	-3.95789359	8.92E-16
peak_10838	chr13	10173784	10174143	-12490	Intergenic	NM_001145616	prepl	1.984009138	5.9426357	-3.958626562	4.06E-08
peak_7069	chr16	22423999	22424667	41562	Intergenic	NM_001003471	fkbp14	3.019847667	6.978515404	-3.958667737	1.98E-10
peak_19381	chr10	46354932	46355794	-129	promoter-TSS (NM_183074)	NM_183074	ved	4.158250357	8.117059818	-3.958809461	2.90E-05
peak_24447	chr19	2555243	2555549	-9251	Intergenic	NM_213241	sp8a	0.653720264	4.613157901	-3.959437636	0.00031
peak_12272	chr13	47593580	47594115	-144145	Intergenic	NM_001114553	vip	2.935977657	6.896281276	-3.960303619	1.74E-07
peak_4348	chr2	21863277	21863999	84166	intron (NM_001256694, intron 4 of 9)	NM_001256694	tox	3.277877455	7.238654916	-3.960777461	3.17E-13
peak_19080	chr2	21794245	21794587	14944	intron (NM_001256694, intron 1 of 9)	NM_001256694	tox	1.243333623	5.204396266	-3.961062643	2.48E-05
peak_16682	chr20	30469365	30469698	-47059	Intergenic	NM_001044899	myt1la	1.205700064	5.169282327	-3.963582263	5.89E-06
peak_20477	chr13	43100223	43100584	40539	intron (NM_001167662, intron 6 of 9)	NM_001167662	cpeb3	0.978440673	4.942508315	-3.964067642	5.24E-05
peak_20455	chr23	3046829	3047118	121408	Intergenic	NM_001089467	zgc:158828	0.944570835	4.909089701	-3.964518866	5.18E-05
peak_10547	chr11	20486129	20486549	8822	Intergenic	NM_131636	fezf2	1.938847741	5.903891836	-3.965044095	2.88E-08
peak_22099	chr3	33333659	33334002	-83146	Intergenic	NM_131399	rarab	0.215200887	4.182853342	-3.967652455	0.000114
peak_14900	chr23	7900815	7901297	116770	Intergenic	NM_001100145	kif3b	2.521897487	6.489607633	-3.967710146	1.68E-06
peak_15010	chr2	2025607	2026435	47	promoter-TSS (NM_001170647)	NM_001170648	tmie	3.784293744	7.752829335	-3.96853559	1.81E-06
peak_1960	chr21	33553359	33554292	70255	intron (NM_152955, intron 1 of 13)	NM_152955	dacha	5.615612369	9.584892909	-3.969280541	4.70E-18
peak_9617	chr16	45089917	45090146	-12585	Intergenic	NM_001039979	ppox	1.451058288	5.420830986	-3.969772698	9.76E-09
peak_2784	chr1	10677062	10678443	192869	Intergenic	NM_001040305	brat1	5.102312334	9.072313382	-3.970001048	7.12E-16
peak_4113	chr3	33257502	33258777	-7455	Intergenic	NM_131399	rarab	5.71374782	9.684197905	-3.970450085	1.46E-13
peak_25918	chr1	57690589	57690876	-21144	intron (NM_001113805, intron 8 of 9)	NM_001033742	b3gntl1	0.653720264	4.624846051	-3.971125787	0.000536
peak_16271	chr1	20635290	20635787	74750	intron (NM_131638, intron 8 of 10)	NM_131638	pax5	3.420583411	7.391801894	-3.971218483	4.48E-06
peak_11645	chr19	30078613	30078968	-158927	Intergenic	NM_001044337	fndc5b	1.618352549	5.58964673	-3.971294181	9.39E-08
peak_3073	chr5	48116561	48117340	-305	promoter-TSS (NM_001007790)	NM_001007790	hapln1a	3.999292718	7.971428582	-3.972135864	2.70E-15
peak_4765	chr12	28411506	28412219	10895	intron (NM_131709, intron 1 of 7)	NM_131709	zeb1b	4.967982496	8.940445437	-3.972462941	1.14E-12
peak_4606	chr9	49361960	49362591	-4134	Intergenic	NM_001159842	col28a1a	4.30933272	8.282782317	-3.973449598	7.29E-13
peak_14644	chr11	30995929	30996477	-41638	Intergenic	NM_001130771	cdkl5	3.19853316	7.172379319	-3.973846159	1.40E-06
peak_7931	chr9	33768018	33768612	-5081	Intergenic	NM_001020796	olig1	3.700230269	7.674364712	-3.974134444	8.60E-10
peak_7886	chr18	19134147	19134481	-65517	Intergenic	NM_213419	map2k1	1.793836463	5.767971267	-3.974134805	7.91E-10
peak_2879	chr15	45826961	45828106	42555	intron (NM_001278822, intron 1 of 6)	NM_001278822	igsf11	6.090404249	10.0645943	-3.974190052	1.17E-15
peak_3345	chr10	618093	618802	10434	intron (NM_001080048, intron 1 of 16)	NM_001080048	rfx3	3.995162437	7.969443769	-3.974281332	8.21E-15
peak_10362	chr17	49717860	49718189	-118836	Intergenic	NM_205687	cga	1.66069094	5.635768215	-3.975077274	2.33E-08
peak_11076	chr9	30016299	30016696	20056	intron (NM_001007200, intron 6 of 25)	NM_001007200	ptpn4a	0.653720264	4.630027256	-3.976306991	5.37E-08
peak_12611	chr6	13656866	13657349	3547	Intergenic	NM_001017569	cdk5r2a	3.785888587	7.762352397	-3.97646381	2.41E-07
peak_10726	chr24	6985283	6985835	449758	Intergenic	NM_001089556	actr3b	2.718814869	6.696312916	-3.977498047	3.56E-08
peak_11038	chr5	62112794	62113389	-415002	Intergenic	NM_001030174	lig3	4.439899675	8.41772691	-3.977827234	5.11E-08
peak_6697	chr10	32249207	32249584	14428	Intergenic	NM_200398	tmem218	2.111880861	6.089840292	-3.977959431	9.84E-11
peak_10634	chr13	1132286	1132925	47410	Intergenic	NM_001110393	olig3	2.570823028	6.549024549	-3.978201521	3.25E-08
peak_4193	chr13	35385952	35386875	-174400	Intergenic	NM_131863	jag1b	3.883141315	7.861538877	-3.978397563	1.94E-13
peak_10058	chr17	38436864	38437090	7016	Intergenic	NM_131776	nkx2.1b	1.205700064	5.18460967	-3.978909606	1.66E-08
peak_12346	chr13	47027162	47027628	13222	intron (NM_178303, intron 2 of 17)	NM_001243004	fgfr2	2.521897487	6.501082073	-3.979184586	1.89E-07
peak_6285	chr21	3401890	3402823	-202415	Intergenic	NM_213302	hnrnpabb	5.045372053	9.025764876	-3.980392823	4.44E-11
peak_13217	chr20	24888555	24889034	103851	intron (NM_001044979, intron 6 of 17)	NM_001044979	epha7	1.831388386	5.81178885	-3.980400463	4.28E-07
peak_2754	chr6	6478414	6479432	71095	Intergenic	NM_001100951	bcl11ab	6.175475977	10.15634811	-3.980872134	5.86E-16
peak_17278	chr1	17986113	17986659	-10601	Intergenic	NM_001098769	ptprdb	1.639677051	5.620684598	-3.981007547	8.42E-06
peak_2501	chr10	14839725	14840437	118152	Intergenic	NM_131366	smad2	4.727969758	8.709299146	-3.981329388	1.49E-16
peak_7162	chr19	10087444	10087926	7235	intron (NM_213398, intron 3 of 4)	NM_213398	vamp1	3.912723933	7.89434957	-3.981625637	2.32E-10
peak_13047	chr20	37582798	37583195	-35819	Intergenic	NM_001030164	hivep2a	0.944570835	4.926330227	-3.981759392	3.70E-07
peak_3241	chr17	21271749	21273039	-915	promoter-TSS (NM_194410)	NM_194410	vax1	5.199660318	9.18238358	-3.982723262	5.50E-15
peak_8851	chr17	45996213	45996568	20721	Intergenic	NR_029933		1.44299439	5.425953996	-3.982959606	3.41E-09
peak_7717	chr11	37053240	37053577	17544	intron (NM_001287547, intron 3 of 4)	NM_001118895	rrp9	1.955594936	5.939758865	-3.983809504	6.20E-10
peak_11053	chr5	41649266	41649695	30067	Intergenic	NM_001100075	tmem175	1.243333623	5.228660162	-3.985326539	5.22E-08
peak_14129	chr8	17408065	17408715	130676	Intergenic	NM_199875	elovl7a	2.614767619	6.600370248	-3.985602629	9.35E-07
peak_3261	chr24	260625	261444	-15626	intron (NM_001089337, intron 2 of 7)	NM_001020572	impa2	4.250349312	8.23793527	-3.987585957	5.83E-15
peak_9201	chr11	2819883	2820324	78027	Intergenic	NM_001080669	srpk1b	2.247969535	6.236646197	-3.988676662	5.54E-09
peak_25507	chr4	39021180	39021558	-360408	Intergenic	NM_001109839	zgc:173617	0.653720264	4.643629772	-3.989909507	0.000464
peak_23500	chr16	41696668	41696957	89618	Intergenic	NM_001002427	eny2	-0.360322949	3.630333312	-3.990656261	0.000207
peak_14599	chr20	25704963	25705287	-30368	Intergenic	NM_001082878	si:dkeyp-117h8.4	1.205700064	5.196663023	-3.990962959	1.35E-06
peak_9578	chr13	24849879	24850237	-36073	Intergenic	NM_131272	msxc	2.200926086	6.192602077	-3.99167599	9.33E-09
peak_11738	chr4	18351086	18351436	-235522	intron (NM_182865, intron 21 of 23)	NR_030075		2.200926086	6.192953992	-3.992027906	1.02E-07
peak_7270	chr2	2605970	2606355	-16982	Intergenic	NM_001040386	dab1b	1.625495796	5.617791169	-3.992295373	2.91E-10
peak_6483	chr7	67199283	67199842	-88820	Intergenic	NM_001083583	ctr9	2.889089251	6.882009667	-3.992920416	6.59E-11
peak_9557	chr22	24055804	24056343	-94951	Intergenic	NM_001007418	cfhl2	2.31603542	6.308980434	-3.992945015	9.03E-09
peak_7231	chr14	36489568	36490207	-37501	Intergenic	NM_001003412	clint1a	3.481017596	7.474576337	-3.993558742	2.72E-10
peak_5376	chr9	38787946	38788600	-18881	Intergenic	NM_001113576	pdia5	4.376622063	8.370574036	-3.993951973	5.51E-12
peak_7854	chr10	1795179	1795729	-50354	intron (NM_131223, intron 10 of 23)	NR_036690		1.632603848	5.626789728	-3.99418588	7.49E-10
peak_11741	chr18	19158204	19158679	-41390	Intergenic	NM_213419	map2k1	2.521897487	6.516839778	-3.994942291	1.02E-07
peak_13378	chr19	10190670	10191129	-45819	Intergenic	NM_001020468	ing4	1.787481669	5.783308835	-3.995827166	5.02E-07

peak_1779	chr25	1882921	1884631	-33099	Intergenic	NM_131042_1	fbln1	6.812354817	10.80871263	-3.996357817	1.06E-18
peak_4296	chr22	21794382	21794939	3950	Intergenic	NM_001082925	s1pr3a	3.393518857	7.389974958	-3.996456101	2.65E-13
peak_7347	chr7	37052915	37053323	-82365	Intergenic	NM_001023575	irx6a	2.229335828	6.22612474	-3.996788913	3.30E-10
peak_26574	chr16	35513762	35514242	36483	Intergenic	NM_001020635	rragca	1.831388386	5.828453389	-3.997065002	0.000668
peak_12585	chr18	17718206	17718533	-45082	exon (NM_001080164, exon 6 of 6)	NM_001002520	cbln1	1.467052111	5.464478244	-3.997426133	2.36E-07
peak_19104	chr6	39264963	39265381	9954	Intergenic	NM_001083023	zgc:158846	1.205700064	5.203635034	-3.99793497	2.51E-05
peak_21462	chr11	33467463	33468233	67653	intron (NM_001160822, intron 2 of 3)	NM_001160822	pcdh17	1.787481669	5.787753753	-4.000272084	8.38E-05
peak_5517	chr6	23633503	23633858	-44265	Intergenic	NM_001089394	thumpd3	2.533336158	6.534071069	-4.000734911	7.92E-12
peak_3234	chr13	50213147	50213909	-65699	Intergenic	NM_001030104	tsnax	4.09267992	8.09400228	-4.00132236	5.14E-15
peak_17321	chr11	3384354	3384911	17304	intron (NM_001083015_2, intron 5 of 20)	NM_001083015_2	acap3b	3.782697136	7.784041075	-4.001343938	8.63E-06
peak_5717	chr22	38815703	38816696	424554	Intergenic	NM_001113587	hykk.2	5.093930409	9.095297567	-4.001367159	1.24E-11
peak_21874	chr13	10670602	10670915	134949	Intergenic	NM_200480	dync2li1	-0.360322949	3.641204733	-4.001527682	0.000103
peak_20369	chr5	66639162	66639936	-16675	Intergenic	NM_001007457	prdm12b	4.447980841	8.449958861	-4.00197802	5.02E-05
peak_9508	chr18	8932281	8932695	-15066	Intergenic	NM_001045084	sema3e	1.243333623	5.245516732	-4.00218311	8.40E-09
peak_4071	chr5	53541422	53541923	66262	Intergenic	NM_001017562	lhfpl2b	3.722150645	7.724402303	-4.002251658	1.29E-13
peak_12177	chr22	12814169	12814479	18814	intron (NM_131610, intron 2 of 11)	NM_131610	adarb1a	0.944570835	4.947187598	-4.002616763	1.59E-07
peak_32979	chr2	38112527	38113163	36814	Intergenic	NM_131151	psmb5	-0.360322949	3.642616636	-4.002939585	0.004381
peak_15918	chr20	27720703	27721044	-21448	Intergenic	NM_214797	zbtb1	0.978440673	4.981533357	-4.003092684	3.55E-06
peak_17017	chr2	53043798	53044118	-29386	intron (NM_130911, intron 3 of 6)	NM_001045238	zgc:136336	1.44299439	5.446109852	-4.003115462	7.10E-06
peak_13392	chr24	13159044	13159523	17693	intron (NM_001080583, intron 4 of 5)	NM_001080583	rdh10a	2.200926086	6.204481217	-4.003555131	5.09E-07
peak_11611	chr8	43621896	43622325	-64245	Intergenic	NM_001123259	si:ch211-158d24.	2.862128275	6.866017539	-4.003889264	9.15E-08
peak_14594	chr11	20440156	20440506	-37186	Intergenic	NM_131636	fezf2	0.978440673	4.983424867	-4.004984194	1.34E-06
peak_6699	chr14	35442964	35443486	-78241	Intergenic	NM_205598	gria1a	2.238682765	6.24378148	-4.005098715	9.84E-11
peak_21671	chr22	5060051	5060300	-32312	Intergenic	NM_001118891	s1pr4	0.653720264	4.660100777	-4.006380512	9.28E-05
peak_4086	chr2	33825643	33826091	-4125	Intergenic	NM_213001	klhl20	3.539021661	7.545446194	-4.006424533	1.36E-13
peak_9650	chr8	19411973	19412353	5999	intron (NM_001082819, intron 5 of 8)	NM_001082819	rorca	1.467052111	5.474030998	-4.006978887	1.02E-08
peak_15908	chr24	35422538	35422937	15730	Intergenic	NM_174861	gbx1	0.234016866	4.241258848	-4.007241982	3.53E-06
peak_9894	chr3	41749354	41749675	23166	Intergenic	NM_213547	chst12a	1.426730103	5.434292512	-4.007562409	1.39E-08
peak_5715	chr3	41866448	41867158	-45478	Intergenic	NM_130971	lfng	4.718766161	8.726627697	-4.007861537	1.24E-11
peak_2022	chr2	14967205	14968500	18851	intron (NM_200111, intron 2 of 26)	NM_200111	arhgap29b	6.775018757	10.78303174	-4.008012981	7.36E-18
peak_12914	chr18	40019054	40019420	30440	Intergenic	NM_131511	fzd9b	1.205700064	5.214012845	-4.008312781	3.21E-07
peak_2340	chr20	48249212	48250032	134835	Intergenic	NM_001024665	tfap2b	5.596147662	9.604919669	-4.008772007	6.00E-17
peak_5610	chr2	27935959	27936337	52927	Intergenic	NM_201330	dhcr7	2.329220506	6.338829966	-4.00960946	1.01E-11
peak_6692	chr8	41562907	41563468	3638	intron (NM_001013516, intron 3 of 11)	NM_001013516	msi1	3.698537809	7.710050892	-4.011513083	9.73E-11
peak_21284	chr5	5554467	5554837	-343013	Intergenic	NM_001076606	mvb12ba	0.625495796	4.637031493	-4.011535698	7.68E-05
peak_3151	chr22	27610392	27611519	-43358	Intergenic	NM_198068	cxcl12b	4.698587205	8.710124274	-4.011537069	3.60E-15
peak_13400	chr18	12028906	12029495	32085	intron (NM_001099985, intron 1 of 13)	NM_001099985	hipk2	3.659052965	7.671058862	-4.012005898	5.09E-07
peak_6137	chr1	46550116	46550929	121395	Intergenic	NM_001008624	arhgef7b	3.535233816	7.547405323	-4.012171507	3.29E-11
peak_22188	chr6	3562988	3563314	34437	Intergenic	NM_199547	ssb	0.234016866	4.246483284	-4.012466418	0.000118
peak_18649	chr10	4663883	4664192	-18773	Intergenic	NM_001002132	lppr1	1.234016866	5.247306025	-4.013289159	1.94E-05
peak_2821	chr19	9490357	9491059	12503	intron (NM_131494, intron 3 of 13)	NM_131494	celf3a	4.864350335	8.877953626	-4.013603291	8.42E-16
peak_28651	chr7	10756579	10756897	-61331	Intergenic	NM_214730	asb7	-0.360322949	3.653651144	-4.013974093	0.001349
peak_4484	chr13	24875578	24876481	-10102	Intergenic	NM_131272	msxc	4.054740277	8.068724268	-4.013983991	5.10E-13
peak_4436	chr5	34145801	34146507	-22980	Intergenic	NM_212898	ntmt1	3.55032589	7.565298499	-4.01497261	4.42E-13
peak_7997	chr11	22805112	22806556	61881	intron (NM_001199491, intron 2 of 17)	NM_001199491	foxp4	5.065323602	9.080660355	-4.015336753	9.48E-10
peak_12284	chr11	37529919	37530444	-88221	Intergenic	NM_001005312	parapinopsinb	3.307048351	7.324382058	-4.017333706	1.77E-07
peak_16164	chr23	28519132	28519699	-46564	Intergenic	NM_145195	birc5b	2.075829856	6.093610335	-4.017780479	4.18E-06
peak_22088	chr23	5524360	5524622	-45700	Intergenic	NR_039095		0.625495796	4.643307104	-4.017811309	0.000113
peak_11473	chr5	50868065	50868463	-56544	Intergenic	NM_001201438	si:dkey-172m14.	1.938847741	5.958923059	-4.020075318	8.03E-08
peak_22437	chr25	13174471	13175091	12187	intron (NM_001128358, intron 2 of 9)	NM_001128358	LOC797250	2.122017822	6.142628062	-4.02061024	0.000132
peak_5549	chr19	18441355	18442604	1721	Intergenic	NR_030124		4.752693915	8.773701091	-4.021007176	8.68E-12
peak_11836	chr18	23497272	23498014	161422	Intergenic	NM_131183	nr2f2	2.247969535	6.269936999	-4.021967463	1.13E-07
peak_27906	chr1	5490740	5491073	-12739	Intergenic	NM_001145627	si:ch211-93g23.2	0.653720264	4.675833495	-4.022113231	0.001068
peak_10233	chr5	29768427	29768905	25643	Intergenic	NM_001017802	zgc:110329	2.122017822	6.144213522	-4.0221957	2.01E-08
peak_17430	chr25	2630177	2630551	22256	intron (NM_001077466, intron 8 of 16)	NM_001077466	bbs4	1.426730103	5.449394727	-4.022664624	9.29E-06
peak_5550	chr21	23820380	23820847	-7451	Intergenic	NM_001004630	sc5d	2.728799148	6.752189273	-4.023390125	8.74E-12
peak_12750	chr5	46593672	46593995	-25346	intron (NM_205628, intron 4 of 4)	NM_001005779	dmrt3a	1.467052111	5.490513211	-4.0234611	2.78E-07
peak_12038	chr13	43914430	43914993	-13012	Intergenic	NM_213128	eif3s6ip	2.834474036	6.858500599	-4.024026564	1.39E-07
peak_10544	chr1	48361257	48361597	32701	intron (NM_001077556, intron 7 of 17)	NM_001077556	ccdc147	1.205700064	5.230131082	-4.024431018	2.87E-08
peak_2878	chr19	9495471	9496196	7378	intron (NM_131494, intron 3 of 13)	NM_131494	celf3a	4.523754484	8.548698654	-4.02494417	1.17E-15
peak_11083	chr2	13049598	13049917	-2972	exon (NM_001291422, exon 10 of 11)	NM_201139	kdsr	1.243333623	5.268386614	-4.025052991	5.39E-08
peak_12187	chr7	64123123	64123422	1168710	Intergenic	NM_131287	sox17	1.467052111	5.492283595	-4.025231483	1.60E-07
peak_36431	chr16	31807433	31807794	-8479	Intergenic	NM_001256731	ensab	-0.360322949	3.664937995	-4.025260944	0.009409
peak_14373	chr7	41852658	41853743	-24983	intron (NM_001128667, intron 13 of 22)	NR_030097		3.309268024	7.334720059	-4.025452035	1.13E-06
peak_9439	chr6	28901222	28901482	8067	intron (NM_001030085, intron 1 of 3)	NM_001030085	si:dkey-98p3.2	1.426730103	5.452316231	-4.025586128	7.72E-09
peak_6501	chr12	12173902	12174240	-12750	Intergenic	NM_131406	raraa	2.559678887	6.585369587	-4.025690701	6.75E-11
peak_11959	chr18	35728220	35728805	-33010	Intergenic	NM_001139480	yap1	2.664163689	6.689879211	-4.025715522	1.30E-07
peak_23973	chr5	58401411	58401776	27232	exon (NM_001100053, exon 12 of 14)	NM_001100053	tmem232	0.653720264	4.679496547	-4.025776283	0.000254
peak_2065	chr19	32028749	32029893	16081	intron (NM_001044774, intron 1 of 10)	NM_001044774	trit1	4.788231132	8.814282487	-4.026051355	9.40E-18
peak_6654	chr3	49055595	49056085	-325690	Intergenic	NM_001110108	fn3krp	1.639677051	5.666338279	-4.026661228	9.02E-11
peak_7326	chr15	36084023	36085059	-140866	Intergenic	NM_001040687	nphs1	5.098429644	9.125564176	-4.027134532	3.21E-10
peak_24032	chr20	13003770	13004000	51159	intron (NM_173267, intron 12 of 19)	NM_173267	ints7	-0.360322949	3.667102487	-4.027425436	0.00026
peak_6095	chr5	14901993	14902320	-11454	Intergenic	NM_199534	zgc:65851	2.096540606	6.125955945	-4.029415339	2.99E-11
peak_3868	chr17	35126242	35127067	-137500	Intergenic	NM_001045207	asap2a	5.330313843	9.360540387	-4.030226544	6.68E-14
peak_2003	chr5	38212689	38217089	3522	intron (NM_001044789, intron 1 of 3)	NM_001044789	nova1	7.71775867	11.74827	-4.030511329	6.67E-18
peak_5042	chr17	35892018	35892485	166484	Intergenic	NM_131336	sox11a	4.153388562	8.183942634	-4.030554073	2.48E-12
peak_15815	chr21	30832688	30833042	16537	exon (NM_001013474, exon 7 of 7)	NM_001013474	mat2b	1.938847741	5.970932978	-4.032085238	3.30E-06
peak_5436	chr4	21485319	21485879	69761	Intergenic	NM_001167826	zgc:73329	2.889089251	6.921546154	-4.032456903	6.60E-12
peak_9041	chr7	29272348	29272700	212039	Intergenic	NM_173219	lmo1	1.618352549	5.651225344	-4.032872795	4.46E-09
peak_7645	chr15	26557069	26557501	-156001	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	2.632603848	6.665493185	-4.032889337	5.49E-10
peak_9233	chr8	17761765	17762158	57949	Intergenic	NM_001003556	dimt1l	1.618352549	5.653591763	-4.035239214	5.77E-09
peak_24135	chr12	38121935	38122205	57874	Intergenic	NM_001003874_1	chmp6b	-0.360322949	3.674967073	-4.035290022	0.000273
peak_10318	chr4	12875072	12875569	-237	promoter-TSS (NM_001082923)	NM_001082923	pdzrn4	1.938847741	5.974607171	-4.035759431	2.23E-08
peak_4392	chr21	3395921	3396718	-196378	Intergenic	NM_213302	hnrnpabb	3.391425188	7.427472293	-4.036047105	3.74E-13
peak_6269	chr24	10386392	10387158	172537	Intergenic	NM_131412	myca	4.18281102	8.219390672	-4.036579653	4.30E-11
peak_4825	chr1	45936656	45937105	87291	intron (NM_001128337, intron 2 of 14)	NM_001128337	LOC559976	2.64320069	6.680176503	-4.036975812	1.37E-12
peak_31013	chr7	13199887	13200266	10078	TTS (NM_001037578)	NM_001037578	fam154b	-0.360322949	3.676863337	-4.037186286	0.002624
peak_12094	chr15	40611438	40611698	199483	Intergenic	NM_001007768	farsb	0.653720264	4.691160505	-4.037440241	1.46E-07
peak_12604	chr7	55494115	55494663	75072	intron (NM_173218, intron 1 of 28)	NM_173218	neo1	2.200926086	6.238678904	-4.037752817	2.40E-07
peak_7555	chr5	26128866	26129510	57447	Intergenic	NM_200182	tia1l	3.149677235	7.188667506	-4.03899027	4.84E-10
peak_7217	chr14	27674398	27675063	39187	Intergenic	NM_131041	neurog1	3.014416083	7.053827404	-4.03941132	2.64E-10
peak_17508	chr9	29109298	29109871	-28593	Intergenic	NM_201499	idh1	2.247969535	6.287673841	-4.039704306	9.83E-06
peak_11588	chr1	40766429	40766832	110416	Intergenic	NM_200023	zgc:56493	1.467052111	5.507109042	-4.040056931	8.91E-08
peak_5138	chr5	57645563	57646081	-32206	Intergenic	NM_131207	lhx1b	4.533336158	8.574030441	-4.040694283	3.27E-12
peak_12015	chr13	17410379	17411054	102619	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	2.784293744	6.826499628	-4.042205883	1.36E-07
peak_3551	chr20	24806470	24807582	185619	Intergenic	NM_001044979	epha7	5.542300364	9.585548287	-4.043247922	1.91E-14
peak_20831	chr24	3883929	3884162	327363	Intergenic	NM_001168264	wdr37	0.653720264	4.697201623	-4.043481359	6.21E-05
peak_11334	chr5	34086625	34087250	20757	intron (NM_001080046, intron 17 of 17)	NM_001080046	gpr107	2.075829856	6.119345912	-4.043516056	6.90E-08
peak_3246	chr11	38949858	38950932	64044	Intergenic	NM_201004	snrpe	4.654644367	8.698898606	-4.044254239	5.58E-15
peak_8485	chr16	14527038	14527394	34091	Intergenic	NM_001079953	isoc2	1.459077363	5.50349281	-4.044415447	2.06E-09
peak_9074	chr13	47178736	47179121	6157	intron (NM_001030177, intron 1 of 12)	NM_001030177	slc29a1a	2.200926086	6.245672247	-4.044746161	4.66E-09
peak_2372	chr8	20273699	20274684	61820	Intergenic	NM_131271	foxd1	5.59159547	9.636361849	-4.044766379	6.89E-17
peak_9292	chr6	35248536	35248895	62650	intron (NM_001256393, intron 2 of 18)	NM_001256393	apoer2	2.122017822	6.166802726	-4.044784904	6.31E-09
peak_10960	chr9	10829060	10829507	-88452	Intergenic	NM_131834	cxcr4b	2.122017822	6.167523537	-4.045505715	4.67E-08
peak_3495	chr7	26421155	26422717	-69449	intron (NM_001076730, intron 19 of 21)	NM_212666	cyp26b1	5.317106618	9.362648094	-4.045541476	1.47E-14

peak_16547	chr9	23734196	23734869	23684	intron (NM_001082836, intron 10 of 15)	NM_001082836	itgb5	3.073219981	7.118942274	-4.045722292	5.42E-06
peak_8198	chr4	23481788	23482736	-582753	Intergenic	NM_194401	celf2	4.610168862	8.656241681	-4.046072819	1.34E-09
peak_15017	chr12	8951934	8952393	-97581	Intergenic	NM_001039062	med24	2.521897487	6.568336807	-4.04643932	1.82E-06
peak_5859	chr10	20997027	20997480	-209939	Intergenic	NM_200782	kcnip3b	1.961605146	6.00835149	-4.046746344	1.73E-11
peak_14585	chr18	45802450	45802970	54625	Intergenic	NM_199925	zgc:77304	2.200926086	6.24769113	-4.046765044	1.32E-06
peak_7376	chr16	26386022	26386423	-11413	Intergenic	NM_001076627	bcam	1.825197218	5.872930809	-4.047733591	3.47E-10
peak_8092	chr8	5111319	5111853	64853	Intergenic	NM_131039	es1	3.406017464	7.455415234	-4.04939777	1.12E-09
peak_10419	chr4	10296032	10296522	58659	Intergenic	NM_001045037	tspan11	1.787481669	5.836937522	-4.049455853	2.50E-08
peak_30772	chr19	26585935	26586240	129422	intron (NM_001202459, intron 3 of 17)	NM_001202459	jarid2b	-0.360322949	3.689184899	-4.049507848	0.002467
peak_13254	chr14	27710794	27711223	2909	Intergenic	NM_131041	neurog1	1.984009138	6.033902421	-4.049893283	4.42E-07
peak_7051	chr8	26849534	26850108	-8710	Intergenic	NR_030246		2.818979367	6.871719679	-4.052740312	1.92E-10
peak_12714	chr1	50209293	50209637	50099	Intergenic	NM_001077289	tsga10	1.467052111	5.520864173	-4.053812062	2.68E-07
peak_9594	chr1	49838481	49838846	-20671	Intergenic	NM_131260	msxb	1.205700064	5.261633669	-4.055933604	9.51E-09
peak_3107	chr2	17751553	17752654	-152322	Intergenic	NM_001083576	ptprfb	4.871127539	8.927633801	-4.056506262	2.97E-15
peak_3071	chr16	2493764	2494238	191664	Intergenic	NM_181735	foxi1	4.801740793	8.858404766	-4.056663973	2.68E-15
peak_27826	chr17	11125726	11125990	67513	exon (NM_001258228_1, exon 11 of 21)	NM_212687	irf2bpl	-0.360322949	3.697055852	-4.057378801	0.00104
peak_6543	chr18	14883202	14883763	25419	intron (NM_001005293, intron 9 of 9)	NM_001044708	si:dkey-103i16.6	3.981308804	8.039692943	-4.058384139	7.26E-11
peak_10306	chr12	32785844	32786258	4237	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	1.618352549	5.677444436	-4.059091887	2.20E-08
peak_16339	chr5	8547519	8547903	-11449	Intergenic	NM_001002654	pdlim5a	1.234016866	5.293256896	-4.05924003	4.72E-06
peak_8220	chr9	2589431	2589902	3236	TTS (NM_212960)	NM_212960	sp9	2.081035483	6.140302727	-4.059267244	1.38E-09
peak_14336	chr25	35667254	35667904	27969	intron (NM_200662, intron 28 of 28)	NM_001076772	klf13	2.355234589	6.415041702	-4.059807113	1.09E-06
peak_11624	chr24	28719947	28720614	29156	intron (NM_001080203, intron 1 of 1)	NM_001080203	hs6st1b	2.702019304	6.762095992	-4.060076688	9.24E-08
peak_10643	chr24	3664188	3664478	107651	Intergenic	NM_001168264	wdr37	1.205700064	5.265885424	-4.06018536	3.29E-08
peak_8771	chr6	48096405	48096921	1120	intron (NM_201202, intron 1 of 14)	NM_201202	phc2b	3.580151749	7.64045972	-4.060307972	3.02E-09
peak_9063	chr11	36358619	36358898	153524	Intergenic	NM_200450	camkvb	1.426730103	5.487556908	-4.060826805	4.61E-09
peak_4704	chr16	34870217	34870659	-3853	Intergenic	NM_131160	pou3f2b	3.154623552	7.215820243	-4.061196691	9.42E-13
peak_23823	chr17	26642765	26643073	-2241	Intergenic	NM_213104	pgrmc2	0.639677051	4.70145713	-4.061780079	0.000239
peak_8990	chr14	53600	54119	-13764	Intergenic	NM_178132	nkx3.2	2.096540606	6.158458951	-4.061918345	4.16E-09
peak_4667	chr16	26602371	26602818	154738	intron (NM_001007428, intron 1 of 7)	NM_001007428	cadm4	3.224639552	7.286699714	-4.062060163	8.44E-13
peak_2308	chr9	31782874	31783613	29887	intron (NM_001109865, intron 1 of 5)	NM_001109865	klf12b	5.441477378	9.504037534	-4.062560156	5.07E-17
peak_14789	chr19	45525331	45525990	9824	intron (NM_001195615, intron 3 of 9)	NM_001195615	nkd3	2.42263522	6.485849244	-4.063214025	1.56E-06
peak_3837	chr12	20869898	20870886	91475	Intergenic	NM_001013509	shisa9a	4.559733273	8.623311601	-4.063578328	5.87E-14
peak_12626	chr23	33114387	33115055	-389223	Intergenic	NR_029935		2.862128275	6.926822438	-4.064694163	2.44E-07
peak_3117	chr2	33085406	33086874	-14489	Intergenic	NM_001030073	slc6a9	5.441477378	9.506449742	-4.064972363	3.07E-15
peak_22815	chr4	1565470	1565723	14107	intron (NM_001045098, intron 1 of 8)	NM_001045098	gas2l3	-0.360322949	3.705584965	-4.065907914	0.000155
peak_12565	chr13	44207051	44207276	21817	intron (NM_001114316, intron 1 of 22)	NM_001114316	ablim1a	0.95594936	5.023556257	-4.067606897	2.32E-07
peak_5278	chr3	24461968	24462430	-19249	Intergenic	NM_001003478	prr15la	3.226989601	7.295277123	-4.068287522	4.58E-12
peak_10452	chr10	24293416	24294066	46567	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	2.702019304	6.770629908	-4.068610603	2.58E-08
peak_4538	chr2	44172759	44173671	71604	intron (NM_001045246, intron 2 of 9)	NM_001045246	cadm3	4.030649868	8.099440712	-4.068790844	6.00E-13
peak_10056	chr7	49764871	49765098	10154	Intergenic	NM_001013519	slc25a44b	1.234016866	5.302958093	-4.068941227	1.65E-08
peak_3761	chr1	51659618	51660486	7312	intron (NM_131861, intron 2 of 26)	NM_131861	jag1a	3.500574775	7.569674123	-4.069099348	4.34E-14
peak_24298	chr15	14527129	14527560	-8283	exon (NM_139077, exon 13 of 15)	NM_205762	traf4a	0.215200887	4.284838107	-4.06963722	0.000293
peak_12154	chr23	27294581	27294874	2101	intron (NM_213170, intron 1 of 7)	NM_213170	ptges3a	0.944570835	5.015078393	-4.070507558	1.56E-07
peak_8204	chr18	15871410	15872298	-33557	Intergenic	NM_001245072	slc6a15	2.822091642	6.892612376	-4.070520733	1.35E-09
peak_26802	chr2	42749042	42749333	-76327	Intergenic	NM_001202454	basp1	-0.360322949	3.710299138	-4.070622087	0.000729
peak_25967	chr5	2672510	2672822	-125796	Intergenic	NM_201167	hpda	-0.360322949	3.710479576	-4.070802525	0.000543
peak_6330	chr7	41739085	41739494	118254	intron (NM_001128667, intron 11 of 22)	NM_001128667	ptprn2	2.621928594	6.692795765	-4.070867172	4.79E-11
peak_15096	chr9	16097378	16097950	-380772	Intergenic	NM_200144	upp2	3.309268024	7.382529475	-4.073261451	1.95E-06
peak_8147	chr2	27098635	27099261	-59661	Intergenic	NM_001077448	cdh7	2.903852685	6.977856824	-4.074004139	1.22E-09
peak_3727	chr22	31340460	31341167	-3716	Intergenic	NR_030119		5.886883323	9.961442041	-4.074558717	3.73E-14
peak_12286	chr20	13894440	13894820	10400	intron (NM_001080631, intron 2 of 2)	NM_001080631	rd3	1.44299439	5.518723769	-4.075729379	1.77E-07
peak_13324	chr5	65484539	65484787	84808	Intergenic	NM_001110103	aspa	1.243333623	5.321403945	-4.078070323	4.74E-07
peak_2610	chr7	41850551	41851606	-27105	intron (NM_001128667, intron 12 of 22)	NR_030097		4.772986383	8.851327868	-4.078341486	2.80E-16
peak_24144	chr18	25893387	25893670	7832	intron (NM_199564, intron 2 of 7)	NM_199564	idh2	0.625495796	4.704648048	-4.079152252	0.000274
peak_12722	chr21	36552864	36553546	-33378	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	3.521785822	7.601021895	-4.079236073	2.71E-07
peak_3221	chr21	19531364	19532818	-10824	Intergenic	NM_213226	zgc:85869	6.562061991	10.64215936	-4.08009737	4.75E-15
peak_22792	chr11	34531991	34532263	-77296	Intergenic	NM_001024389	lims1	-0.360322949	3.719829489	-4.080152438	0.000153
peak_15061	chr10	39480655	39481204	-42019	Intergenic	NR_030051		3.519982194	7.600644782	-4.080662589	1.90E-06
peak_17331	chr22	17272939	17274219	18592	Intergenic	NR_030666		3.822182324	7.9034812	-4.081298876	8.68E-06
peak_7967	chr7	15241695	15242145	15080	Intergenic	NR_045222		2.548447992	6.629981642	-4.08153365	9.05E-10
peak_16563	chr5	21528802	21529768	33946	intron (NM_001126454, intron 1 of 1)	NM_001126454	fam222a	3.742100794	7.823669175	-4.081568381	5.47E-06
peak_9347	chr19	6394697	6395060	-72303	Intergenic	NM_001177451	zgc:174904	1.467052111	5.54896712	-4.081915008	6.83E-09
peak_13777	chr9	28029719	28030113	-333282	Intergenic	NM_001126402	si:rp71-84d19.3	2.075829856	6.158026496	-4.08219664	6.95E-07
peak_10759	chr9	15025304	15025532	-244352	Intergenic	NM_212966	nrp2b	1.234016866	5.317027143	-4.083010277	3.71E-08
peak_10940	chr16	16690322	16691155	1367	intron (NM_182859, intron 1 of 3)	NM_182859	crabp2a	1.426730103	5.509824234	-4.083094131	4.57E-08
peak_8043	chr15	34693895	34694343	144493	Intergenic	NM_001080189_1	zgc:158328	2.708761012	6.792010127	-4.083249115	1.03E-09
peak_3989	chr15	13293761	13295079	151133	Intergenic	NM_199847	fxyd6	5.531380536	9.614985157	-4.083604621	1.02E-13
peak_17931	chr19	35162208	35162455	95707	Intergenic	NM_001076776	runx1t1	-0.360322949	3.723409758	-4.083732707	1.31E-05
peak_11793	chr12	44392476	44392834	40097	Intergenic	NM_001034970	zgc:111868	1.787481669	5.871752806	-4.084271137	1.08E-07
peak_8573	chr21	26332505	26332992	-52886	Intergenic	NM_001004677	fkbp2	2.106785545	6.192120909	-4.085335364	2.29E-09
peak_11600	chr23	37621985	37622349	12070	Intergenic	NM_001130632	tor1l1	0.625495796	4.712899758	-4.087403962	9.07E-08
peak_29722	chr4	19272973	19273339	19339	intron (NM_131900, intron 1 of 46)	NM_131900	cacna1c	-0.360322949	3.727564766	-4.087887715	0.001871
peak_4817	chr20	24050993	24051565	108414	Intergenic	NM_212819	cx52.6	3.822091642	7.910307386	-4.088215744	1.32E-12
peak_10287	chr9	53189767	53190195	-276330	Intergenic	NM_001076600	tank	2.42263522	6.512021839	-4.089386619	2.17E-08
peak_2045	chr12	46697586	46698665	-76690	Intergenic	NM_212942	fbxl15	6.407602421	10.49737487	-4.08977245	8.53E-18
peak_16785	chr23	21757414	21758419	14	promoter-TSS (NM_001128390)	NM_001128390	LOC100149066	2.935977657	7.026918329	-4.090940671	6.26E-06
peak_10765	chr3	31012252	31012791	27013	Intergenic	NM_001098186	suv420h2	2.122017822	6.213262923	-4.091245102	3.72E-08
peak_8011	chr6	29687837	29688427	113076	intron (NM_199526, intron 5 of 25)	NM_199526	dlg1	3.868163296	7.959587208	-4.091423912	9.75E-10
peak_8643	chr11	28745376	28745783	-41281	Intergenic	NM_212670	cstf1	1.467052111	5.55906712	-4.092015009	2.48E-09
peak_29454	chr22	40127135	40127480	208377	Intergenic	NM_213118	sox2	-0.360322949	3.731952961	-4.09227591	0.001732
peak_3087	chr14	7213806	7215733	46556	Intergenic	NM_001013291	trpt1	5.868893954	9.961554089	-4.092660135	2.82E-15
peak_21210	chr8	1726615	1726943	104558	Intergenic	NM_205739	dgcr6	-0.360322949	3.732502734	-4.092825683	7.44E-05
peak_16960	chr25	35391757	35392240	-182	promoter-TSS (NM_001110479)	NM_001110479	trpm1b	2.247969535	6.341416654	-4.093447118	6.89E-06
peak_8291	chr2	40808963	40809459	146381	intron (NM_001020508, intron 1 of 1)	NM_001020508	hs6st1a	2.880158125	6.973682228	-4.093524103	1.57E-09
peak_8993	chr7	31682240	31682883	21461	intron (NM_131850, intron 4 of 12)	NM_131850	aldh1a2	3.950271315	8.044790635	-4.09451932	4.19E-09
peak_25133	chr17	27460648	27460934	56656	intron (NM_001007398, intron 2 of 4)	NM_001007398	pacrg	-0.360322949	3.736635374	-4.096958323	0.000406
peak_15638	chr5	41756244	41756778	79066	Intergenic	NM_001100034	si:dkey-193c22.1	1.938847741	6.035973382	-4.097125641	2.89E-06
peak_14202	chr13	30663749	30664114	-66452	Intergenic	NM_001113339	zmiz1a	1.243333623	5.340727454	-4.097393831	9.86E-07
peak_11355	chr6	36897440	36897706	6241	intron (NM_001003851, intron 1 of 6)	NM_001003851	negr1	1.243333623	5.341662756	-4.098329133	7.04E-08
peak_12151	chr23	28600794	28601377	-11183	Intergenic	NM_170762	neurod4	3.473119882	7.571834564	-4.098714682	1.56E-07
peak_22419	chr4	19188789	19189025	-17313	Intergenic	NM_200982	stk38l	-0.360322949	3.738610738	-4.098933687	0.000131
peak_6547	chr10	38203626	38204584	-62759	Intergenic	NM_001007363	dhrs13a.1	4.248037038	8.347016621	-4.098979582	7.32E-11
peak_25609	chr8	42504378	42504604	22604	Intergenic	NM_001075105	aplnra	-0.360322949	3.739210581	-4.09953353	0.000482
peak_20572	chr16	35874801	35875093	-31830	Intergenic	NM_131161	pou3f1	0.625495796	4.725217183	-4.099721388	5.53E-05
peak_19258	chr2	41854492	41854782	107521	Intergenic	NM_182864	keap1a	-0.360322949	3.739636494	-4.099959443	2.72E-05
peak_3658	chr22	19888584	19889429	17262	Intergenic	NM_001105607	LOC100006793	5.332466203	9.433207086	-4.100740884	2.88E-14
peak_8435	chr19	28669759	28670220	-53669	Intergenic	NM_131823	irx1b	1.787481669	5.888262576	-4.100780907	1.93E-09
peak_26118	chr18	2145075	2145437	29456	exon (NM_207073, exon 2 of 11)	NM_207073	relt	-0.360322949	3.740506292	-4.100829241	0.000573
peak_3025	chr7	53999115	54000838	13582	intron (NM_214816, intron 5 of 12)	NM_214816	tcf12	4.967238845	9.068161256	-4.10092241	2.27E-15
peak_16812	chr23	23745428	23746426	-34073	Intergenic	NM_001177452	hm:gc12	2.224639552	6.326010354	-4.101370803	6.34E-06
peak_9218	chr3	17549049	17549575	52819	Intergenic	NM_001003433	nkiras2	1.467052111	5.56942742	-4.102375308	5.68E-09
peak_9039	chr18	19605873	19606344	5388	intron (NM_001045129, intron 5 of 20)	NM_001045129	iqch	2.122017822	6.224485067	-4.102467245	4.45E-09
peak_3997	chr20	4006574	4007330	30636	Intergenic	NM_001110475	exoc8	4.650273334	8.752764891	-4.102491558	1.04E-13
peak_14746	chr12	42091518	42091954	-1038007	Intergenic	NM_212880	zgc:76887	2.935977657	7.03914049	-4.103162832	1.51E-06
peak_3313	chr24	35555323	35556026	-73505	Intergenic	NM_001002724	zgc:92591	4.283533241	8.386935215	-4.103401974	7.10E-15

peak_3184	chr24	5184479	5185895	127252	Intergenic	NM_001076612	zic4	5.831842011	9.93622977	-4.104387759	4.09E-15
peak_3429	chr8	20652822	20653963	22680	intron (NM_001013278, intron 1 of 17)	NM_001013278	rfx2	4.330313843	8.435636855	-4.105323013	1.15E-14
peak_14662	chr3	24456069	24456679	-25074	Intergenic	NM_001003478	prr15la	2.751830549	6.857472695	-4.105642146	1.41E-06
peak_22491	chr18	5151965	5152762	-65923	Intergenic	NM_001171590	cplx3b	2.42263522	6.528479217	-4.105843997	0.000135
peak_29809	chr15	8283244	8283521	-31082	Intergenic	NM_001040313	zgc:136739	-0.360322949	3.745556032	-4.105878981	0.001922
peak_18914	chr15	10640151	10640452	105736	intron (NM_130969, intron 1 of 31)	NM_130969	odz4	0.234016866	4.34144709	-4.107430224	2.26E-05
peak_22208	chr7	74363683	74363961	-63918	Intergenic	NM_214699	myl12.1	-0.360322949	3.747195787	-4.107518736	0.000119
peak_11464	chr17	17493609	17494222	92516	intron (NM_001123049, intron 2 of 9)	NM_001123049	adck1	1.66069094	5.768688253	-4.107997313	7.93E-08
peak_4842	chr13	28755240	28755946	19114	intron (NM_131521, intron 5 of 8)	NM_131521	fbxw4	2.818979367	6.927149539	-4.108170172	1.46E-12
peak_4800	chr14	28111265	28111968	300523	Intergenic	NM_001110457	klhl4	2.544684847	6.652936685	-4.108251838	1.26E-12
peak_13548	chr16	45103007	45103441	-25778	Intergenic	NM_001039979	ppox	3.25733105	7.365677091	-4.108346041	5.75E-07
peak_9340	chr20	32486197	32486716	-1179	Intergenic	NM_001003608	nr2e1	2.471023015	6.58041488	-4.109391865	6.77E-09
peak_11757	chr3	40020959	40021385	28225	intron (NM_001045469, intron 2 of 21)	NM_001045469	llgl1	2.570823028	6.680788271	-4.109965243	1.04E-07
peak_9457	chr17	48569999	48570312	61342	Intergenic	NM_001201393_1	smoc1	1.205700064	5.316855145	-4.111155081	7.94E-09
peak_3152	chr13	33638856	33639639	-16557	intron (NM_199898, intron 12 of 21)	NM_001114925	btbd6a	3.761684263	7.873910974	-4.112226711	3.60E-15
peak_10351	chr14	20713488	20713890	-444162	Intergenic	NM_152963	fmr1	2.31603542	6.428390921	-4.112355501	2.30E-08
peak_2178	chr6	19221849	19222743	10344	intron (NM_001017556, intron 2 of 8)	NM_001017556	rhbdl3	5.160782694	9.273632885	-4.112850191	1.94E-17
peak_2123	chr20	39984445	39985863	-170409	Intergenic	NM_001082853	rnf217	6.0933053	10.20705313	-4.113747832	1.34E-17
peak_21987	chr19	32163656	32163914	-13797	Intergenic	NM_001083090	si:ch211-194e15.	-0.360322949	3.753617201	-4.11394015	0.000108
peak_2497	chr19	1183887	1184588	-61553	Intergenic	NM_001113601	scrt1a	5.454099926	9.570215213	-4.116115288	1.48E-16
peak_11556	chr12	38808362	38808845	28912	Intergenic	NM_001040355	pmp22b	3.006230172	7.122353865	-4.116123693	8.72E-08
peak_11299	chr7	70158570	70158845	-19640	Intergenic	NM_205546	hnf4b	1.426730103	5.543248237	-4.116518134	6.64E-08
peak_8621	chr1	34222584	34223192	93204	Intergenic	NM_207062	klf12a	1.831388386	5.949643562	-4.118255176	2.43E-09
peak_24014	chr1	9626988	9627336	22529	Intergenic	NM_001039805	tnrc5	0.653720264	4.772148046	-4.118427782	0.000258
peak_4717	chr4	18398216	18398822	229945	intron (NM_182865, intron 17 of 23)	NM_182865	snd1	4.142153178	8.261580842	-4.119427664	9.83E-13
peak_12838	chr11	44993816	44994237	59414	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	1.938847741	6.058488892	-4.119641151	2.99E-07
peak_12496	chr8	29785342	29785627	36753	intron (NM_001004123, intron 1 of 15)	NM_001004123	grid2	1.243333623	5.363209252	-4.119875629	2.18E-07
peak_8534	chr17	8584988	8585324	-46956	Intergenic	NM_131715	ctbp2a	1.831388386	5.951599215	-4.120210828	2.19E-09
peak_9725	chr24	23774523	23774990	407350	Intergenic	NM_001199998	si:dkey-7n6.2	2.363802745	6.484226929	-4.120424184	1.12E-08
peak_10316	chr19	33330930	33331269	-44079	Intergenic	NM_001044918	znf704	1.205700064	5.326127943	-4.120427879	2.23E-08
peak_5777	chr2	16369050	16369641	12266	3' UTR (NM_131221, exon 7 of 7)	NM_001031841	grk7a	2.944570835	7.066231939	-4.121661104	1.43E-11
peak_2829	chr7	37339229	37340914	-175128	Intergenic	NM_001045227	irx5a	5.841865564	9.963740317	-4.121874753	8.92E-16
peak_20155	chr1	19331862	19332264	43019	Intergenic	NM_001044325	zgc:136652	1.205700064	5.327994475	-4.122294411	4.48E-05
peak_12051	chr2	32713988	32714401	149679	Intergenic	NM_001002637	tmem53	2.200926086	6.323231088	-4.122305002	1.41E-07
peak_27377	chr20	43098497	43098875	12555	intron (NM_001030124, intron 3 of 17)	NM_001030124	snx9b	-0.360322949	3.76255399	-4.122876939	0.000884
peak_4476	chr8	16063930	16064403	-241687	Intergenic	NM_001017814	spata6	3.630830115	7.754672085	-4.12384197	5.03E-13
peak_5028	chr12	36574083	36575011	-142635	Intergenic	NM_001256248	tbccl	3.044039864	7.168015429	-4.123975565	2.40E-12
peak_3534	chr10	10284739	10285627	10267	Intergenic	NR_029938		5.951651476	10.07590378	-4.1242523	1.80E-14
peak_14908	chr5	58052198	58052597	-129359	Intergenic	NM_001102384	tbx2a	0.215200887	4.339734999	-4.124534112	1.69E-06
peak_22826	chr5	32860793	32861229	-127531	Intergenic	NM_001014339	camkk1	-0.360322949	3.764243551	-4.1245665	0.000156
peak_9798	chr23	28061384	28061819	1856	intron (NM_130990, intron 1 of 8)	NM_130990	acvr1b	2.42263522	6.547374965	-4.124739746	1.24E-08
peak_4595	chr5	14941034	14941798	43235	Intergenic	NM_001002703	snrnp27	3.494735408	7.619585038	-4.12484963	6.95E-13
peak_26964	chr15	45377577	45378127	300851	intron (NM_200615, intron 2 of 5)	NM_200615	lrfn1	-0.360322949	3.764594235	-4.124917184	0.000769
peak_17525	chr5	27033148	27033378	-11567	Intergenic	NM_001082856	rorb	-0.360322949	3.764604276	-4.124927225	9.94E-06
peak_9338	chr14	41441287	41441526	253228	Intergenic	NM_001127519	pcdh19	0.944570835	5.069790005	-4.12521917	6.75E-09
peak_9353	chr22	18515612	18516174	-27869	Intergenic	NM_212916	gatad2ab	2.106785545	6.232189768	-4.125404223	6.86E-09
peak_2072	chr10	39483703	39484714	-45298	Intergenic	NR_030051		6.12648552	10.25328176	-4.126796239	9.83E-18
peak_5423	chr2	46571500	46572204	-129113	Intergenic	NM_201020_1	gpc1b	4.838411507	8.965699815	-4.127288308	6.33E-12
peak_15337	chr11	32509502	32509953	75171	Intergenic	NM_001089489	zgc:162816	1.831388386	5.958713682	-4.127325296	2.33E-06
peak_8238	chr3	15925250	15925561	75481	Intergenic	NM_213208	rpl19	1.467052111	5.5956277	-4.128575588	1.42E-09
peak_19728	chr22	35287236	35288138	67891	intron (NM_213117_1, intron 1 of 14)	NM_213117	zgc:65870	3.875584362	8.004433498	-4.128849136	3.52E-05
peak_28086	chr2	11625735	11626160	77704	Intergenic	NM_001004569	abhd3	-0.360322949	3.769436044	-4.129758993	0.001136
peak_8546	chr20	54814895	54815170	-6107	Intergenic	NM_205633	evlb	1.205700064	5.335692837	-4.129992773	2.22E-09
peak_13847	chr14	53267054	53267432	-23228	Intergenic	NM_001020587		0.978440673	5.108960586	-4.130519913	7.38E-07
peak_3542	chr2	5584432	5585461	-441	promoter-TSS (NM_001114458)	NM_001114458	tmem125b	4.926525907	9.057444758	-4.130918852	1.82E-14
peak_16578	chr12	31154311	31154793	-181040	Intergenic	NM_131731	gfra1b	1.426730103	5.557706679	-4.130976576	5.51E-06
peak_12988	chr10	24993031	24993407	86208	Intergenic	NM_001017825	stoml3b	0.978440673	5.109559752	-4.13111908	3.48E-07
peak_20020	chr13	34757958	34758157	-155050	intron (NM_200549, intron 16 of 19)	NM_001100953	tasp1	-0.360322949	3.770884327	-4.131207276	4.17E-05
peak_9968	chr11	3849147	3849605	73267	Intergenic	NM_131233	gata2a	2.200926086	6.332818375	-4.131892288	1.50E-08
peak_7221	chr12	8593908	8594306	139281	Intergenic	NM_001114592	tmem26b	2.533336158	6.665640709	-4.132304551	2.68E-10
peak_6925	chr16	35004465	35005005	-17899	Intergenic	NM_001083837	pnisr	3.693448485	7.825937964	-4.132489479	1.49E-10
peak_5421	chr15	15311004	15311507	31406	intron (NM_001020595, intron 1 of 7)	NM_001020595	nxn	2.735417151	6.868266918	-4.132849766	6.29E-12
peak_14400	chr20	30149483	30150309	-88696	Intergenic	NM_131337	sox11b	3.313826142	7.447004077	-4.133177934	1.16E-06
peak_6046	chr9	38094375	38095162	75164	Intergenic	NM_131068	inhbb	3.974250173	8.107717627	-4.133467453	2.67E-11
peak_21569	chr20	8179616	8179872	417305	Intergenic	NM_001040685	dab1a	-0.360322949	3.773901466	-4.134224415	8.86E-05
peak_24656	chr3	4472626	4472852	297121	intron (NM_001114711_1, intron 6 of 6)	NM_001130791	plbd1	-0.360322949	3.774143089	-4.134466038	0.000338
peak_7761	chr17	17030205	17030671	247614	intron (NM_001080009, intron 18 of 23)	NM_001080009	nrxn3a	1.44299439	5.57818303	-4.13518864	6.60E-10
peak_11444	chr5	14541214	14541750	12371	exon (NM_001082797, exon 4 of 4)	NM_001082862	ydjc	2.529533336	6.665044831	-4.135511495	7.76E-08
peak_6021	chr8	50455223	50456107	-306592	Intergenic	NM_001128741	zgc:195023	5.079659981	9.215296044	-4.135636064	2.50E-11
peak_10060	chr16	51836095	51836495	41753	intron (NM_001012368, intron 1 of 10)	NM_001012368	ext1a	1.831388386	5.967156	-4.135767614	1.66E-08
peak_19343	chr22	19361474	19362300	24812	intron (NM_001040095, intron 1 of 2)	NM_001040095	fgf22	-0.360322949	3.775667021	-4.13598997	2.84E-05
peak_9297	chr25	14752385	14752916	-15594	Intergenic	NM_131178	dbx1b	2.363802745	6.500926825	-4.13712408	6.38E-09
peak_17069	chr10	6746727	6747079	16140	Intergenic	NM_001033731	snx24	1.950271315	6.087758886	-4.13748757	7.34E-06
peak_3732	chr18	44546276	44546897	-13414	Intergenic	NM_001002686	blvrb	3.291414275	7.430891118	-4.139476844	3.82E-14
peak_6464	chr13	33971506	33973040	43968	intron (NM_200549, intron 3 of 19)	NM_200549	macrod2	5.082982761	9.22315381	-4.140171049	6.22E-11
peak_24126	chr15	26297451	26297803	20795	exon (NM_200622, exon 7 of 25)	NM_200622	bcas3	1.205700064	5.345912432	-4.140212367	0.000272
peak_24760	chr19	44629521	44629722	8882	exon (NM_200545, exon 5 of 8)	NM_200545	nkain1	-0.360322949	3.780496498	-4.140819447	0.000353
peak_11215	chr4	14308965	14309395	-140142	intron (NM_001004495, intron 21 of 30)	NM_131680	nrf1	1.938847741	6.080343366	-4.141495625	6.08E-08
peak_12817	chr24	19474719	19475079	-254874	Intergenic	NM_200844	zgc:66014	1.243333623	5.387794566	-4.144460943	2.94E-07
peak_4459	chr19	18444819	18445466	-1442	Intergenic	NR_030124		4.818200248	8.963945949	-4.145745701	4.83E-13
peak_2489	chr16	54700058	54701026	-10634	Intergenic	NM_213187	dhdds	6.338471717	10.48442281	-4.145951089	1.41E-16
peak_8887	chr12	27582314	27582808	11932	intron (NM_001004585, intron 1 of 12)	NM_001004585	bmpr1ab	1.938847741	6.085130617	-4.146282877	3.58E-09
peak_6036	chr7	22160208	22161142	25774	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	4.776246171	8.922586502	-4.146340331	2.57E-11
peak_9055	chr25	35184129	35184483	18586	Intergenic	NM_131285	foxb1a	1.831388386	5.979195597	-4.14780721	4.55E-09
peak_8477	chr25	5530495	5530907	-25483	Intergenic	NM_001258409_1	cmasb	1.426730103	5.574619052	-4.147888949	2.04E-09
peak_12945	chr24	31488921	31489192	36751	Intergenic	NM_201451	hccs	0.944570835	5.092588518	-4.148017684	3.31E-07
peak_27834	chr12	97215	97564	84292	Intergenic	NM_001089421	map2k4b	-0.360322949	3.787766856	-4.148089805	0.001042
peak_9319	chr7	55945084	55945458	-34554	intron (NM_001077575, intron 12 of 12)	NM_001128270	LOC796180	1.44299439	5.591396854	-4.148402464	6.55E-09
peak_7301	chr4	11134810	11135330	-30201	Intergenic	NM_001044967	si:dkey-222f8.3	2.234016866	6.383046145	-4.149029278	3.08E-10
peak_13972	chr7	47931793	47932889	302748	Intergenic	NM_130995	ccne1	3.137236739	7.28715021	-4.149913471	8.20E-07
peak_20399	chr7	37679652	37680042	-114915	Intergenic	NM_200105	aktip	1.205700064	5.355970363	-4.150270299	5.08E-05
peak_4644	chr6	43034074	43034757	-10940	Intergenic	NM_001130694	lrrn1	4.484893018	8.635264774	-4.150371755	7.92E-13
peak_6976	chr7	52587536	52588420	29382	intron (NM_001123230, intron 1 of 48)	NM_001123230	col4a5	3.621928594	7.772513742	-4.150585149	1.63E-10
peak_3136	chr11	43148496	43152960	-47142	Intergenic	NM_001105592	her15.2	6.814505071	10.96529381	-4.150788743	3.39E-15
peak_10281	chr11	27604095	27604614	30815	Intergenic	NM_001045307	acad9	3.008963973	7.159874715	-4.150910741	2.16E-08
peak_21131	chr5	45278758	45279313	22477	intron (NM_001126415, intron 1 of 11)	NM_001126415	si:dkey-40c11.1	-0.360322949	3.791114475	-4.151437424	7.15E-05
peak_7013	chr1	29630592	29631257	-6442	Intergenic	NM_001080561	zgc:158645	4.209200867	8.360861194	-4.151660327	1.74E-10
peak_29942	chr17	46523148	46523452	547631	Intergenic	NR_029933		0.639677051	4.792677436	-4.153000385	0.00199
peak_10266	chr5	51380759	51381052	-146668	Intergenic	NM_131180	nr2f1a	0.625495796	4.778604572	-4.153108776	2.11E-08
peak_15408	chr7	60059340	60059696	5705	intron (NM_199930, intron 7 of 12)	NM_199930	larp7	1.812734601	5.967747101	-4.1550125	2.43E-06
peak_3434	chr16	7376611	7377623	81662	Intergenic	NM_131059	ctnnb1	5.020485663	9.17737167	-4.156886007	1.16E-14
peak_10037	chr12	356497	356808	-29965	Intergenic	NM_001098767	pts	0.978440673	5.1358473	-4.157406627	1.62E-08
peak_2241	chr20	35252316	35252834	18193	intron (NM_001042761, intron 2 of 6)	NM_001042761	fzd3a	5.079047629	9.238196079	-4.15914845	2.87E-17
peak_10124	chr25	21675933	21676181	25420	intron (NM_198805, intron 5 of 9)	NM_198805	gnaia	1.234016866	5.393777997	-4.159761131	1.79E-08
peak_14476	chr20	33441342	33441648	85127	Intergenic	NM_001044809	smek1	0.944570835	5.104378334	-4.1598075	1.24E-06

peak_5326	chr24	13905167	13905603	76123	intron (NM_131193, intron 12 of 18)	NM_131193	eya1	2.219927938	6.380038336	-4.160110398	5.03E-12
peak_9530	chr9	55057860	55058582	-43977	Intergenic	NM_001009888	sox21b	4.480032743	8.640208544	-4.160175802	8.64E-09
peak_10797	chr10	28041478	28041793	310022	Intergenic	NM_152948	cxadr	1.831388386	5.992367925	-4.160979538	3.86E-08
peak_13113	chr17	33019087	33019434	-34063	Intergenic	NM_001013550	smyd2a	0.944570835	5.105592762	-4.161021927	3.94E-07
peak_4836	chr7	35318341	35319048	-22633	intron (NM_001114317, intron 21 of 21)	NM_001130652	skor1a	4.021202373	8.184018982	-4.162816609	1.42E-12
peak_18223	chr4	5606881	5607885	-7661	Intergenic	NM_131289	pou3f2a	4.28472755	8.447845934	-4.163118384	1.55E-05
peak_22030	chr9	3328638	3328966	49859	Intergenic	NM_001004572	hat1	-0.360322949	3.803458612	-4.163781561	0.00011
peak_11099	chr1	25115920	25116320	122508	Intergenic	NM_200554	mtap	1.967238845	6.131394053	-4.164155207	5.46E-08
peak_6338	chr15	3186749	3187543	-132460	Intergenic	NM_001045369	zgc:153184	2.106785545	6.272045064	-4.165259519	4.88E-11
peak_2776	chr13	5438692	5439747	174867	Intergenic	NM_213234	spred2b	5.427692414	9.593294876	-4.165602462	6.76E-16
peak_30060	chr15	10437852	10438364	-13711	intron (NM_001002750, intron 4 of 4)	NM_001002694	prcp	-0.360322949	3.805345131	-4.16566808	0.002058
peak_18322	chr11	45010939	45011457	42242	intron (NM_001015069, intron 8 of 9)	NM_001015069	gli2b	2.862128275	7.027978578	-4.165850303	1.63E-05
peak_10138	chr3	17522301	17522590	79686	Intergenic	NM_001003433	nkiras2	1.205700064	5.371822208	-4.166122144	1.82E-08
peak_19947	chr13	35198070	35198343	-118750	Intergenic	NM_001003562	sptlc3	-0.360322949	3.805895363	-4.166218313	3.98E-05
peak_13751	chr13	35382002	35382472	-178576	Intergenic	NM_131863	jag1b	2.664163689	6.831053357	-4.166889668	6.82E-07
peak_25762	chr3	17180739	17180969	-365	promoter-TSS (NM_001077392)	NM_001077392	hcrt	-0.360322949	3.806885692	-4.167208641	0.000507
peak_11050	chr5	46467302	46467685	-5263	Intergenic	NM_199942	fbp1a	1.243333623	5.411159552	-4.167825929	5.19E-08
peak_9135	chr2	44279213	44279603	-18154	exon (NM_131683, exon 17 of 25)	NM_001003523	sdhc	1.426730103	5.594843897	-4.168113794	5.03E-09
peak_9747	chr18	17328541	17328847	5616	intron (NM_001045075, intron 2 of 15)	NM_001045075	cpne2	1.205700064	5.374828557	-4.169128492	1.16E-08
peak_2143	chr4	7756210	7756811	-166112	Intergenic	NM_130937	wnt5b	4.568099124	8.737924342	-4.169825217	1.53E-17
peak_8105	chr14	2252737	2253249	-23734	Intergenic	NM_001013264	fgf18a	1.243333623	5.413215932	-4.169882309	1.15E-09
peak_5391	chr10	27833002	27834047	101911	Intergenic	NM_152948	cxadr	4.249193638	8.420325718	-4.17113208	5.79E-12
peak_1360	chr19	28703286	28704722	-37760	Intergenic	NM_001020493	irx4b	6.716492648	10.88862376	-4.172131112	2.48E-20
peak_6200	chr17	36208768	36209386	-150342	Intergenic	NM_131336	sox11a	2.818979367	6.992551258	-4.173571891	3.73E-11
peak_2134	chr7	51235889	51236950	63662	Intergenic	NM_131231	ascl1b	6.240770243	10.41612173	-4.175351492	1.42E-17
peak_4895	chr18	23279265	23279937	305020	Intergenic	NM_131301	mef2aa	2.650222256	6.825932786	-4.175710531	1.70E-12
peak_18349	chr16	43522734	43523563	-96908	Intergenic	NM_131442	gbp	3.473004376	7.649015508	-4.176011132	1.65E-05
peak_17216	chr22	40382585	40383157	-47187	Intergenic	NM_213118	sox2	3.97012931	8.146419851	-4.176290541	8.10E-06
peak_7923	chr25	37532190	37532641	44855	Intergenic	NM_213100_1	irx3b	2.122017822	6.298928918	-4.176911096	8.45E-10
peak_9120	chr5	56313723	56314222	132179	Intergenic	NM_001130397	mamdc2a	2.66069094	6.838004376	-4.177313436	4.96E-09
peak_2195	chr7	66411879	66412939	81870	Intergenic	NM_001077722	tpcn2	6.522094854	10.70051375	-4.178418901	2.17E-17
peak_10469	chr5	68253759	68254144	-55421	Intergenic	NM_001002491	olfm1a	1.426730103	5.605928339	-4.179198235	2.64E-08
peak_20301	chr20	30269565	30270173	126923	Intergenic	NM_001002716	allc	1.243333623	5.422898835	-4.179565213	4.83E-05
peak_13530	chr17	44277491	44277935	18382	Intergenic	NM_131251	otx2	1.831388386	6.012330773	-4.180942387	5.67E-07
peak_6958	chr3	35358870	35359583	-132217	Intergenic	NM_001003873	rbbp6	2.889089251	7.070380882	-4.181291631	1.58E-10
peak_4705	chr25	16762719	16763134	49754	intron (NM_212847, intron 4 of 13)	NM_212847	tead1a	2.961605146	7.143195978	-4.181590832	9.43E-13
peak_8699	chr3	37341694	37342434	-198701	Intergenic	NM_001024223	mlx	2.122017822	6.303615953	-4.181598131	2.72E-09
peak_4279	chr13	37513145	37513580	75275	Intergenic	NM_174862	esr2b	2.95594936	7.138115457	-4.182166096	2.58E-13
peak_11055	chr3	38691956	38692439	218583	Intergenic	NM_001045132	si:dkey-106c17.2	2.935977657	7.118771983	-4.182794326	5.25E-08
peak_4822	chr9	31129171	31129638	5357	intron (NM_001142374, intron 1 of 2)	NM_001142374	col8a1a	2.809602052	6.993145301	-4.183543249	1.36E-12
peak_3657	chr7	43100881	43101397	-512500	Intergenic	NM_131063	shha	3.273336808	7.457467247	-4.184130438	2.86E-14
peak_3052	chr2	56074269	56074863	-7536	Intergenic	NM_131226	rx2	3.958780025	8.144496522	-4.185716497	2.49E-15
peak_7201	chr19	36361805	36362148	59950	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	1.938847741	6.12463787	-4.185790129	2.56E-10
peak_9009	chr1	30759938	30760377	92671	Intergenic	NM_178296	gli1	3.078435017	7.264740959	-4.186305941	4.24E-09
peak_10712	chr22	38877359	38877863	485966	Intergenic	NM_001113587	hykk.2	2.247969535	6.43518322	-4.187213685	3.51E-08
peak_11781	chr5	23807213	23807660	3250	exon (NM_001126376, exon 3 of 4)	NM_001126376	asb12a	1.812734601	6.000220606	-4.187486005	1.07E-07
peak_3008	chr13	33654712	33655373	-32352	intron (NM_199898, intron 16 of 21)	NM_001114925	btbd6a	3.393518857	7.581263455	-4.187744598	2.11E-15
peak_3852	chr9	47067256	47067972	73432	intron (NM_001039358, intron 5 of 24)	NM_001039358	hdac4	4.802528849	8.990643732	-4.188114883	6.28E-14
peak_20311	chr5	23142935	23143276	71550	Intergenic	NM_001114691	sh2d1aa	0.234016866	4.424014688	-4.189997822	4.84E-05
peak_3999	chr9	7507379	7508381	72933	Intergenic	NM_130963	desma	4.217566349	8.407982938	-4.190416589	1.05E-13
peak_2975	chr12	46778584	46779258	48817	intron (NM_131640, intron 6 of 9)	NM_131640	pax2b	4.610221378	8.8006632	-4.190441822	1.87E-15
peak_8589	chr13	10974385	10975217	118997	intron (NM_001197201, intron 3 of 14)	NM_001197201	akt3a	3.119490251	7.312029796	-4.192539545	2.34E-09
peak_10222	chr6	31898686	31899261	108110	Intergenic	NM_001002103	atg4c	1.831388386	6.024638121	-4.193249734	2.00E-08
peak_31441	chr21	22509024	22509420	76267	intron (NM_199635, intron 3 of 4)	NM_199635	zbtb16a	-0.360322949	3.833998187	-4.194321136	0.002944
peak_8547	chr7	35736041	35736448	40066	Intergenic	NM_001017545	nr1h3	2.229335828	6.425883419	-4.196547591	2.22E-09
peak_2688	chr20	21530469	21531662	67709	intron (NM_131862, intron 19 of 25)	NM_131862	jag2b	6.022516348	10.22123509	-4.198718746	4.04E-16
peak_17256	chr11	44471770	44472303	-16301	Intergenic	NM_214686	sult6b1	0.978440673	5.178376995	-4.199936322	8.31E-06
peak_1632	chr19	42537358	42538297	-46978	Intergenic	NM_001013293	chrac1	6.285789361	10.48701584	-4.201226475	3.50E-19
peak_12184	chr18	40040067	40040629	9329	Intergenic	NM_131511	fzd9b	0.234016866	4.435993712	-4.201976846	1.60E-07
peak_33803	chr23	36360463	36360907	2597	exon (NM_200104, exon 10 of 11)	NM_200104	hnrnpa1b	-0.360322949	3.841888659	-4.202211608	0.005256
peak_5977	chr5	8116887	8117939	-10024	Intergenic	NM_001017576	lmbrd2a	4.880860969	9.0831538	-4.202292831	2.23E-11
peak_12142	chr8	18865647	18865889	21368	Intergenic	NM_200255	dmap1	0.625495796	4.828043291	-4.202547495	1.55E-07
peak_15646	chr10	29684483	29684851	-167116	Intergenic	NM_131000	alcama	-0.360322949	3.842480904	-4.202803853	2.91E-06
peak_1742	chr6	27825692	27826447	-87797	Intergenic	NM_131496	smx5	5.101031722	9.303852349	-4.202820628	8.25E-19
peak_10426	chr4	5596768	5597035	-18143	Intergenic	NM_131289	pou3f2a	0.944570835	5.147470946	-4.202900111	2.52E-08
peak_14693	chr16	49415135	49415580	-50656	Intergenic	NM_001145238	rpz	2.200926086	6.40718265	-4.206256563	1.45E-06
peak_2014	chr19	34909989	34910890	81077	Intergenic	NM_001127256	triqk	4.940238868	9.146639963	-4.206401095	7.01E-18
peak_8816	chr23	27391526	27391933	1774	intron (NM_001214908, intron 1 of 2)	NM_001214908	wu:fc13c02	2.521897487	6.729896064	-4.207998577	3.25E-09
peak_7422	chr4	17755011	17755557	-32839	Intergenic	NR_029978		1.243333623	5.453483112	-4.21014949	3.78E-10
peak_7968	chr22	31822376	31822766	-8497	exon (NM_205711, exon 10 of 10)	NM_205574	pvalb7	1.984009138	6.194808328	-4.21079919	9.07E-10
peak_15006	chr11	43154910	43155472	-51605	Intergenic	NM_001105592	her15.2	3.572672044	7.784141605	-4.211469561	1.81E-06
peak_11419	chr9	2314665	2315063	-14125	Intergenic	NM_201176	atp5g3a	0.944570835	5.156658853	-4.212088019	7.56E-08
peak_18369	chr8	27008656	27009053	72103	Intergenic	NM_001123326	dalrd3	0.625495796	4.839006003	-4.213510208	1.67E-05
peak_15856	chr14	20684339	20685356	-473004	Intergenic	NM_152963	fmr1	3.860615567	8.074135946	-4.213520379	3.41E-06
peak_8633	chr13	41569377	41570230	-64768	Intergenic	NM_001281800	dkk1a	2.909716015	7.124389157	-4.214673142	2.46E-09
peak_11636	chr21	11749758	11750217	114347	Intergenic	NM_001080655	pnpla7a	2.646715745	6.861944228	-4.215228483	9.35E-08
peak_5357	chr11	5486577	5486933	-66255	Intergenic	NM_201450	cse1l	1.812734601	6.028252234	-4.215517633	5.32E-12
peak_1968	chr5	25866433	25867689	3318	Intergenic	NM_130908	sox19a	6.204771368	10.42208001	-4.217308647	4.96E-18
peak_8826	chr17	17450920	17451369	135287	intron (NM_001123049, intron 3 of 9)	NM_001123049	adck1	1.793836463	6.011354157	-4.217517694	3.32E-09
peak_13792	chr10	27988818	27989485	257538	Intergenic	NM_152948	cxadr	3.006230172	7.224915013	-4.218684841	7.03E-07
peak_11234	chr13	10165574	10166397	-20468	Intergenic	NM_001145616	prepl	3.057306726	7.276144173	-4.218837447	6.25E-08
peak_5368	chr12	12878921	12879468	123003	Intergenic	NM_001114932_1	wapalb	2.822091642	7.041504792	-4.21941315	5.43E-12
peak_19121	chr16	25520121	25520465	-1826	Intergenic	NM_200783	efna1b	1.66069094	5.881082516	-4.220391576	2.54E-05
peak_11382	chr20	35180035	35180377	69005	intron (NM_001045094, intron 5 of 36)	NM_001045094	si:ch211-89p3.3	1.618352549	5.841641255	-4.223288705	7.29E-08
peak_5105	chr5	19166148	19166737	-392545	Intergenic	NM_001100015	chfr	3.561542232	7.784951132	-4.223408901	2.97E-12
peak_1688	chr16	34831956	34833295	-41666	Intergenic	NM_131160	pou3f2b	6.466847069	10.69069965	-4.223852585	5.67E-19
peak_6920	chr19	4639823	4640250	-15527	Intergenic	NM_001114461	eva1bb	1.818979367	6.043853467	-4.2248741	1.47E-10
peak_6294	chr1	6815841	6816426	-17203	Intergenic	NM_001128672_1	mxb	3.033337828	7.258890458	-4.225552631	4.50E-11
peak_2019	chr6	33117132	33117841	-117438	Intergenic	NM_201143	pik3r3b	5.111282037	9.337743764	-4.226461728	7.33E-18
peak_7425	chr15	27736723	27737291	19286	intron (NM_200251, intron 4 of 4)	NM_200251	slc43a2a	1.944570835	6.172034495	-4.22746366	3.79E-10
peak_9032	chr12	31951852	31952180	-16763	Intergenic	NM_001164028	tdrd1	1.243333623	5.471034754	-4.227701132	4.37E-09
peak_10567	chr23	27308255	27308560	-455	promoter-TSS (NM_001003534)	NM_001003534	mipa	1.467052111	5.695291561	-4.22823945	2.94E-08
peak_6117	chr10	32536364	32537213	-64023	Intergenic	NM_001115066	esama	5.391979436	9.620426067	-4.228446631	3.18E-11
peak_5969	chr1	36026103	36026521	-118739	Intergenic	NM_212807	pou4f2	2.708761012	6.937217201	-4.228456189	2.18E-11
peak_4890	chr9	22798340	22799009	-30588	Intergenic	NM_001123300	rev1	4.144641387	8.373694301	-4.229052914	1.68E-12
peak_8364	chr21	3649136	3649517	40043	Intergenic	NM_175082	smad7	1.234016866	5.464275652	-4.230258786	1.73E-09
peak_5162	chr17	31098993	31099486	18843	intron (NM_001193598, intron 1 of 21)	NM_001193598	eml1	2.333588892	6.5638965	-4.230307609	3.44E-12
peak_9410	chr18	11207654	11208086	292614	Intergenic	NM_001013335	zgc:110789	2.363802745	6.594172212	-4.230369467	7.44E-09
peak_9561	chr18	23575169	23575623	83669	Intergenic	NM_131183	nr2f2	2.748562774	6.979077845	-4.230515071	9.11E-09
peak_29617	chr23	8524355	8524833	-60493	Intergenic	NM_205589	oprl1	-0.360322949	3.871502629	-4.231825578	0.00181
peak_23025	chr12	12749812	12750151	-6210	Intergenic	NM_001114932_1	wapalb	-0.360322949	3.871539159	-4.231862108	0.000171
peak_4019	chr25	36342390	36342952	14796	Intergenic	NM_001045234	fancf	3.646715745	7.87972258	-4.233006836	1.11E-13
peak_20247	chr5	20614428	20614752	66641	intron (NM_201009, intron 16 of 18)	NM_201009	aacs	0.653720264	4.887890996	-4.234170731	4.69E-05
peak_2398	chr19	36416623	36417610	4810	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	4.418468701	8.65279122	-4.234322519	8.20E-17
peak_23992	chr1	4722631	4723055	-101178	Intergenic	NM_212965	nrp2a	1.618352549	5.853176625	-4.234824075	0.000256

peak_9279	chr16	17018344	17018663	135336	Intergenic	NM_001077320	deptor	1.243333623	5.47831003	-4.234976407	6.16E-09
peak_3824	chr16	1452605	1453442	76995	Intergenic	NM_178222	sim1a	3.855979326	8.092028087	-4.236048761	5.55E-14
peak_12214	chr17	10739480	10740042	-40476	Intergenic	NM_214693	lgals3l	3.706980322	7.943032006	-4.236051684	1.65E-07
peak_14055	chr6	32437748	32438376	-37100	Intergenic	NM_001082940	mafa	2.247969535	6.484068	-4.236098465	8.86E-07
peak_21799	chr25	5776044	5776315	-66274	Intergenic	NM_001197316	plxnb2b	-0.360322949	3.875935813	-4.236258762	9.90E-05
peak_11392	chr9	43640299	43640736	-39682	Intergenic	NM_001007182	gulp1a	2.664163689	6.901065535	-4.236901846	7.40E-08
peak_5782	chr21	10845005	10845543	-154523	Intergenic	NM_001002562	celf4	3.08363127	7.320709036	-4.237077766	1.44E-11
peak_12887	chr25	37172349	37172915	-16301	Intergenic	NM_001001405	irx5b	2.784293744	7.022188753	-4.237895009	3.13E-07
peak_6422	chr11	24747548	24748012	14788	intron (NM_001145767, intron 3 of 29)	NM_001145767	nfasca	1.95594936	6.194259515	-4.238310154	5.80E-11
peak_16515	chr24	13281373	13281776	-104598	Intergenic	NM_001080583	rdh10a	1.618352549	5.858780844	-4.240428295	5.33E-06
peak_10199	chr4	2182437	2183168	28706	Intergenic	NM_001006011	phlda1	2.935977657	7.176660828	-4.240683171	1.94E-08
peak_15670	chr1	633625	633970	5011	intron (NM_001039974, intron 1 of 8)	NM_131438	pou2f1a	0.653720264	4.895097624	-4.241377359	2.98E-06
peak_12566	chr9	33760714	33761738	2008	Intergenic	NM_001020796	olig1	2.784293744	7.025939349	-4.241645604	2.32E-07
peak_8370	chr23	28592834	28593136	-3083	Intergenic	NM_170762	neurod4	1.787481669	6.029524294	-4.242042625	1.75E-09
peak_3010	chr21	9560532	9561078	-79670	intron (NM_001080201, intron 1 of 5)	NM_001128677	prlra	3.992402332	8.235308489	-4.242906157	2.14E-15
peak_7288	chr17	24122411	24122692	-24374	Intergenic	NM_131250	otx1b	1.467052111	5.710381742	-4.243329631	3.00E-10
peak_3654	chr2	5212885	5213456	-9775	Intergenic	NM_001014298	parla	4.090100377	8.334717104	-4.244616727	2.84E-14
peak_1772	chr11	5510628	5511583	-41905	Intergenic	NM_201450	cse1l	5.329188601	9.574081399	-4.244892798	1.01E-18
peak_27921	chr6	3622146	3622467	-20504	Intergenic	NM_194419	gad1b	-0.360322949	3.884885181	-4.24520813	0.001076
peak_23073	chr3	60389086	60389514	-1408	Intergenic	NM_205564	cdr2l	1.625495796	5.871219114	-4.245723319	0.000174
peak_18368	chr13	27010607	27010899	12323	intron (NM_201170, intron 9 of 13)	NM_201170	vrk2	-0.360322949	3.885644035	-4.245966984	1.67E-05
peak_6309	chr7	25631545	25632461	8081	intron (NM_001083839, intron 2 of 2)	NM_001083839	nat8l	2.818979367	7.065252531	-4.246273164	4.62E-11
peak_2785	chr5	41378504	41379523	32495	intron (NM_199829, intron 2 of 14)	NM_199829	rasgef1ba	3.991020297	8.237489426	-4.246469129	7.13E-16
peak_10312	chr23	23409878	23411327	62957	Intergenic	NM_001003830	noc2l	4.139660669	8.386383047	-4.246722378	2.21E-08
peak_27506	chr13	26329842	26330192	252920	Intergenic	NM_001040391	bcl11aa	-0.360322949	3.887205601	-4.24752855	0.000928
peak_1712	chr5	3422652	3423419	-95427	Intergenic	NM_213022	ywhag1	4.922906591	9.171352621	-4.24844603	6.59E-19
peak_15660	chr9	3202533	3203138	34226	intron (NM_001076667, intron 4 of 10)	NM_001076667	dync1i2a	3.822182324	8.071280193	-4.249097869	2.95E-06
peak_2451	chr18	20000455	20001908	-6337	Intergenic	NM_131012	gro2	5.478003463	9.727134331	-4.249130868	1.18E-16
peak_22276	chr22	39114005	39114324	300321	Intergenic	NM_001017600	polr2h	0.653720264	4.904047886	-4.250327622	0.000123
peak_23918	chr4	14536765	14537127	-51102	Intergenic	NM_001004495	plxna4	-0.360322949	3.892115785	-4.252438734	0.000248
peak_12457	chr13	32913541	32914069	35975	intron (NM_001002351, intron 2 of 7)	NM_001002351	pdss2	3.25733105	7.511162593	-4.253831543	2.11E-07
peak_21598	chr1	47987124	47987527	4114	exon (NM_001145622, exon 3 of 4)	NM_001145622	lrrc58a	-0.360322949	3.893808606	-4.254131555	8.98E-05
peak_12615	chr16	43223306	43223710	-3147	Intergenic	NM_001080036	tp53inp1	1.984009138	6.238388147	-4.254379009	2.42E-07
peak_12120	chr1	47045421	47045801	-50366	Intergenic	NM_001007327	cab39l	1.215200887	5.47052128	-4.255320393	1.51E-07
peak_26822	chr15	8519512	8519796	50394	Intergenic	NM_001128700	tmem160	-0.360322949	3.895140601	-4.25546355	0.000734
peak_5013	chr2	28307510	28307910	-164350	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	2.434885166	6.690973182	-4.256088016	2.32E-12
peak_1306	chr18	14959071	14960926	-416	promoter-TSS (NM_205712)	NM_205712	rfx4	6.629694519	10.8881991	-4.25850458	1.39E-20
peak_8608	chr20	30164937	30165363	-103950	Intergenic	NM_131337	sox11b	2.748562774	7.007303424	-4.25874065	2.40E-09
peak_14283	chr17	35004199	35004514	31287	Intergenic	NM_201291	id2a	-0.360322949	3.899017076	-4.259340025	1.05E-06
peak_9105	chr9	15064705	15065078	-283825	Intergenic	NM_212966	nrp2b	1.831388386	6.091560574	-4.260172188	4.87E-09
peak_6866	chr7	26423453	26424159	-67579	intron (NM_001076730, intron 20 of 21)	NM_212666	cyp26b1	2.555944961	6.816505516	-4.260560555	1.32E-10
peak_14555	chr23	2641013	2641313	-98907	Intergenic	NM_001030232	zgc:114123	-0.360322949	3.900782288	-4.261105237	1.30E-06
peak_2356	chr22	4639588	4640546	7918	TTS (NM_131225)	NM_131225	rx1	4.340116769	8.60134612	-4.261229351	6.47E-17
peak_2466	chr7	54510723	54511426	-66238	Intergenic	NM_131025	ccnd1	4.43995877	8.701425029	-4.261466259	1.23E-16
peak_3529	chr13	31502972	31503575	16687	Intergenic	NM_213410	prdm8	2.961605146	7.224040736	-4.26243559	1.74E-14
peak_18085	chr5	57713014	57713545	26229	intron (NM_001271839, intron 11 of 11)	NM_001083828	aatf	1.787481669	6.050138459	-4.26265679	1.43E-05
peak_7998	chr7	22349270	22349621	-92174	Intergenic	NM_001017564	zgc:113025	1.205700064	5.4691728	-4.263472736	9.51E-10
peak_2342	chr9	13747060	13747510	-116016	Intergenic	NM_131139	fzd7a	3.594783512	7.858463781	-4.263680269	6.11E-17
peak_2701	chr7	66549326	66550315	219281	Intergenic	NM_001077722	tpcn2	4.701970026	8.965902945	-4.263932919	4.51E-16
peak_23164	chr7	42970266	42970627	-643193	Intergenic	NM_131063	shha	-0.360322949	3.90394145	-4.264264399	0.000181
peak_5111	chr23	10187576	10188517	-65385	Intergenic	NM_001111167	zgc:171775	4.210458296	8.475041131	-4.264582835	3.01E-12
peak_10819	chr11	3391182	3391626	24076	intron (NM_001083015_2, intron 10 of 20)	NM_001083015_2	acap3b	2.751830549	7.017988236	-4.266157686	3.96E-08
peak_3649	chr5	26112346	26112939	73993	Intergenic	NM_200182	tia1l	3.234016866	7.501489426	-4.26747256	2.78E-14
peak_1452	chr12	23610447	23613158	-2578	Intergenic	NM_001114552	wnt3	6.8009293	11.06962256	-4.26869326	6.75E-20
peak_21364	chr19	35119731	35120468	53475	intron (NM_001076776, intron 2 of 10)	NM_001076776	runx1t1	0.978440673	5.250077438	-4.271636766	7.99E-05
peak_16750	chr1	35716063	35716356	22183	Intergenic	NM_001077565	zgc:152968	0.234016866	4.506094542	-4.272077676	6.13E-06
peak_11916	chr1	15316131	15316743	-46803	Intergenic	NM_001115123	pcm1	2.247969535	6.522424174	-4.274454639	1.24E-07
peak_3293	chr2	40057782	40058518	-23749	Intergenic	NM_153658	epha4b	3.093967964	7.368427841	-4.274459877	6.62E-15
peak_20255	chr24	8395406	8395861	-87801	Intergenic	NM_001039995	slc35b3	-0.360322949	3.914311215	-4.274634164	4.72E-05
peak_10468	chr8	43479807	43480352	-12468	Intergenic	NM_200578	arpc5la	2.426730103	6.701884267	-4.275154164	2.63E-08
peak_10543	chr6	52963398	52963765	37376	Intergenic	NM_199788	fam212ab	0.944570835	5.21999461	-4.275423775	2.86E-08
peak_14120	chr9	45300520	45301740	54443	intron (NM_001089474, intron 2 of 12)	NM_001089474	cerkl	3.948765246	8.224597787	-4.275832542	9.31E-07
peak_1546	chr1	46666411	46667725	-24372	Intergenic	NM_001037662	sox1b	5.32699939	9.602847825	-4.275848435	1.84E-19
peak_20516	chr17	21219571	21219882	-20999	intron (NM_182878, intron 6 of 13)	NM_001198761	si:ch73-56p18.4	-0.360322949	3.9158335	-4.276156449	5.34E-05
peak_7916	chr15	17120030	17120538	-14032	Intergenic	NM_001008629	pih1d2	2.122017822	6.400583531	-4.27856571	8.38E-10
peak_9141	chr9	48817440	48817859	64269	Intergenic	NM_001003480	zgc:92380	2.471023015	6.750076522	-4.279053506	5.08E-09
peak_13992	chr7	61141123	61141516	165354	intron (NM_131550, intron 9 of 20)	NM_131550	pcxb	0.625495796	4.904841621	-4.279345825	8.36E-07
peak_4679	chr14	26930257	26930815	14184	Intergenic	NM_199956	g3bp1	2.877168754	7.15666119	-4.279492436	8.74E-13
peak_9785	chr18	26773534	26773892	260	exon (NM_001081497, exon 2 of 17)	NM_001081497	si:dkey-24l11.1	1.205700064	5.486295682	-4.280595618	1.22E-08
peak_11610	chr7	44311088	44311403	46329	intron (NM_001146305, intron 1 of 13)	NM_001146305	plxdc2	0.944570835	5.225379116	-4.280808281	9.14E-08
peak_5261	chr12	19009906	19010523	-85813	Intergenic	NM_001171584	nptx2b	2.874173177	7.155274747	-4.281101571	4.41E-12
peak_14049	chr17	17794607	17795125	9650	intron (NM_001045384, intron 1 of 6)	NM_001045384	ccdc85ca	3.47113868	7.752823202	-4.281684522	8.82E-07
peak_28914	chr12	26144015	26144245	-101176	Intergenic	NM_001001812	fshr	0.215200887	4.497934075	-4.282733188	0.001474
peak_14128	chr6	52355570	52356026	-56350	Intergenic	NM_200944	eif6	0.944570835	5.227821583	-4.283250749	9.35E-07
peak_1880	chr14	5168198	5169259	-223297	Intergenic	NM_001007134	lbx2	5.705766241	9.989143648	-4.283377407	2.34E-18
peak_22444	chr16	52476428	52476955	429063	Intergenic	NM_001110524	brd2b	0.944570835	5.228447498	-4.283876663	0.000132
peak_7272	chr16	510936	511422	58955	Intergenic	NM_201057	irx2a	2.981227592	7.265198123	-4.283970531	2.92E-10
peak_22324	chr14	26559179	26559515	27314	intron (NM_001199318, intron 2 of 3)	NM_001199318	cplx2	1.205700064	5.489806958	-4.284106894	0.000126
peak_7177	chr6	54214974	54215390	72381	intron (NM_001033728, intron 5 of 9)	NM_001033728	pacsin1b	1.618352549	5.902895313	-4.284542763	2.40E-10
peak_21064	chr9	38059284	38059606	39841	Intergenic	NM_131068	inhbb	0.653720264	4.93991287	-4.286192605	6.92E-05
peak_14166	chr9	39026293	39026972	47669	intron (NM_001171585, intron 1 of 20)	NM_001171585	adcy5	2.42263522	6.709381436	-4.286746217	9.63E-07
peak_1453	chr16	453738	455245	-55717	Intergenic	NM_131755	slc6a3	6.323983789	10.61350827	-4.289524481	6.84E-20
peak_5060	chr11	28551527	28551977	27923	intron (NM_001202418, intron 9 of 21)	NM_001202418	phf2	2.229335828	6.518949041	-4.289613213	2.63E-12
peak_14003	chr16	1303902	1304230	225952	Intergenic	NM_178222	sim1a	0.944570835	5.234331204	-4.289760369	8.47E-07
peak_11944	chr16	35939639	35940227	24284	Intergenic	NM_199998	utp11l	1.426730103	5.716836648	-4.290106545	1.28E-07
peak_3640	chr11	43771352	43772021	-39587	intron (NM_153660, intron 2 of 12)	NM_001128706	zgc:194981	2.961605146	7.252449654	-4.290844508	2.67E-14
peak_19042	chr9	32339846	32340059	24414	Intergenic	NM_131558	zic2a	-0.360322949	3.931449055	-4.291772004	2.44E-05
peak_10106	chr20	34745608	34745915	3639	intron (NM_001015044, intron 1 of 2)	NM_001015044	pnocb	0.978440673	5.270530663	-4.292089991	1.75E-08
peak_14247	chr18	43388757	43388975	-36437	Intergenic	NM_001025169	pex16	-0.360322949	3.932003846	-4.292326795	1.02E-06
peak_9025	chr11	29128894	29129498	34215	intron (NM_001033094_1, intron 1 of 4)	NM_001033094_1	ephb2b	2.567117871	6.859539151	-4.29242128	4.34E-09
peak_8721	chr3	50107914	50108518	-73032	Intergenic	NM_001083559	zgc:163083	3.567117871	7.859568484	-4.292450614	2.84E-09
peak_29181	chr8	50185056	50185393	128459	Intergenic	NM_001128254	mfn2	-0.360322949	3.932172105	-4.292495054	0.001599
peak_14535	chr16	39094775	39095039	-109818	Intergenic	NM_001200061	LOC100005807	-0.360322949	3.934489485	-4.294812434	1.29E-06
peak_8794	chr11	44505442	44505723	-8963	Intergenic	NM_001114555	vip2	1.205700064	5.501263334	-4.29556327	3.13E-09
peak_10814	chr15	3419110	3419752	25512	Intergenic	NM_001077257	foxo1a	2.784293744	7.08055228	-4.296258536	3.94E-08
peak_4719	chr23	21764485	21765645	99	promoter-TSS (NM_131090)	NM_131090	her4.2	3.766538874	8.063036899	-4.296498024	9.85E-13
peak_2076	chr6	13884589	13885256	-6624	Intergenic	NR_030096		5.263606833	9.561070586	-4.297463754	1.02E-17
peak_2415	chr16	11506057	11506707	-14754	Intergenic	NM_001114410	ncalda	4.248037038	8.545801092	-4.297764054	8.94E-17
peak_3808	chr23	29345746	29346628	-254657	Intergenic	NM_198364	tardbpl	4.410220044	8.709014227	-4.298794183	5.15E-14
peak_11535	chr12	9021173	9021716	-166862	Intergenic	NM_001039062	med24	2.862128275	7.161227497	-4.299099221	8.48E-08
peak_1545	chr6	7315990	7316825	-14681	Intergenic	NM_131286	sox21a	5.862440068	10.16237811	-4.299938045	1.83E-19
peak_3426	chr16	7534368	7535390	-15663	Intergenic	NM_001080645	zgc:158657	3.772986383	8.073081692	-4.30009531	1.13E-14
peak_13120	chr5	75075988	75076276	33228	Intergenic	NM_001114475	fam78ab	0.653720264	4.954700246	-4.300979982	3.96E-07
peak_7442	chr6	37799864	37800406	-102076	Intergenic	NM_001006062	nipa1	1.825197218	6.126569974	-4.301372755	3.91E-10
peak_13827	chr8	14807502	14808041	-51797	intron (NM_001245100, intron 2 of 14)	NM_001044945	sin3b	3.473004376	7.775228043	-4.302223666	7.24E-07

peak_9177	chr20	31345281	31345581	31924	intron (NM_001032729, intron 5 of 7)	NM_001025488	si:dkey-185l3.3	1.467052111	5.769936419	-4.302884308	5.33E-09
peak_7318	chr18	22646708	22647060	72772	intron (NM_200787, intron 3 of 7)	NM_200787	gnao1a	1.426730103	5.729848757	-4.303118654	3.16E-10
peak_12049	chr1	9084760	9085322	39541	Intergenic	NM_200308	rnf175	2.614767619	6.918689353	-4.303921734	1.40E-07
peak_8914	chr1	52751994	52752360	-34262	Intergenic	NM_001145598	cnn1a	1.426730103	5.73081281	-4.304082707	3.71E-09
peak_1813	chr21	22826249	22827353	197836	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	4.522798387	8.827213184	-4.304414797	1.42E-18
peak_24000	chr24	30087443	30087983	-191048	Intergenic	NM_001163988	prmt6	1.467052111	5.771522142	-4.304470031	0.000256
peak_6062	chr6	12252763	12253311	118295	Intergenic	NM_001045348	gpd2	3.357381403	7.662437312	-4.305055909	2.76E-11
peak_7507	chr23	3701628	3702015	-7105	Intergenic	NM_001020538	pacsin1a	1.831388386	6.136541215	-4.305152829	4.40E-10
peak_7571	chr22	25062956	25063641	-68918	Intergenic	NM_001099256	si:dkey-121a9.3	3.574626352	7.880296583	-4.305670231	4.92E-10
peak_17838	chr14	28522720	28522977	528973	Intergenic	NM_200569	tsc22d3	0.215200887	4.521064269	-4.305863382	1.23E-05
peak_21997	chr6	56630797	56631222	511632	Intergenic	NM_001008576_1	tfap2c	-0.360322949	3.945869254	-4.306192203	0.000109
peak_11420	chr13	49300304	49300987	-28871	Intergenic	NM_001159668	fbxo11a	3.124540972	7.430759469	-4.306218497	7.56E-08
peak_10300	chr7	36927433	36927915	-40177	Intergenic	NM_198067	mmp2	2.363802745	6.670457565	-4.30665482	2.19E-08
peak_17226	chr13	10036918	10037343	-149323	Intergenic	NM_001145616	prepl	1.205700064	5.514329418	-4.308629354	8.18E-06
peak_13179	chr24	4634934	4635286	-107152	Intergenic	NM_130918	fzd8a	0.215200887	4.523960976	-4.308760089	4.16E-07
peak_2646	chr6	49621371	49621961	-72261	Intergenic	NM_001017688	npepl1	4.196066283	8.505411498	-4.309345215	3.33E-16
peak_5559	chr25	11683899	11684630	-290808	Intergenic	NM_001265607	mespbb	4.753556765	9.063525695	-4.30996893	8.92E-12
peak_8183	chr21	36005282	36005593	-64266	Intergenic	NM_001002534	nop16	0.978440673	5.288869487	-4.310428814	1.30E-09
peak_6508	chr10	39424061	39424648	-8417	Intergenic	NR_030069		3.479047217	7.792119314	-4.313072098	6.82E-11
peak_30318	chr1	1154531	1155129	-53801	Intergenic	NM_131603	runx1	-0.360322949	3.953117835	-4.313440784	0.002205
peak_2012	chr25	802315	803343	-69381	intron (NM_001098393, intron 3 of 7)	NM_199725_1	twf1a	5.714609849	10.02895938	-4.314349533	6.98E-18
peak_2260	chr8	202488	203102	-2940	Intergenic	NM_199992	sema6a	4.498630944	8.8140178	-4.315386856	3.25E-17
peak_2339	chr24	21921171	21921710	30603	Intergenic	NM_001008636	spice1	4.000666855	8.317056298	-4.316389443	5.96E-17
peak_2359	chr6	57608397	57609560	-3874	Intergenic	NM_001076592	zgc:153702	5.466115708	9.783156666	-4.317040958	6.59E-17
peak_16357	chr24	11378593	11378945	-100570	intron (NM_205728, intron 5 of 14)	NM_213449	prpf4bb	1.243333623	5.561187646	-4.317854023	4.76E-06
peak_25468	chr16	22153965	22154361	-28162	Intergenic	NM_131028	ahr1a	0.215200887	4.533172145	-4.317971258	0.000459
peak_2765	chr22	12547095	12547643	-13608	Intergenic	NM_199522	rnd3a	4.422575411	8.7421215	-4.319546089	6.28E-16
peak_4368	chr13	14797373	14797796	-7410	Intergenic	NM_001115095	cdc25	2.818979367	7.138891546	-4.31991218	3.45E-13
peak_10614	chr9	42878558	42878895	72150	Intergenic	NR_030747		0.944570835	5.265718777	-4.321147942	3.13E-08
peak_7955	chr25	29315245	29315823	-140763	Intergenic	NM_001098391	tmem17	1.467052111	5.788626589	-4.321574478	8.87E-10
peak_11204	chr10	33262844	33263381	185983	intron (NM_201069, intron 13 of 14)	NM_201069	uvrag	2.664163689	6.987511092	-4.323347403	6.01E-08
peak_2284	chr7	34930292	34931670	87292	Intergenic	NM_131780	gro1	5.795770433	10.11966909	-4.323898659	4.34E-17
peak_10878	chr22	4637966	4638458	-7091	Intergenic	NM_200074	cherp	1.459077363	5.783088792	-4.324011429	4.32E-08
peak_25671	chr5	21322254	21322538	44865	Intergenic	NM_001007349	mvk	-0.360322949	3.963848636	-4.324171585	0.00049
peak_9183	chr5	75509883	75510304	58408	Intergenic	NM_130915	tbx5a	1.215200887	5.53965516	-4.324454273	5.38E-09
peak_1865	chr2	20171116	20172008	-70004	Intergenic	NM_001172653	agla	5.151498006	9.479241932	-4.327743926	2.07E-18
peak_12470	chr18	23773600	23774182	-114826	Intergenic	NM_131183	nr2f2	3.006230172	7.335283171	-4.329052998	2.13E-07
peak_17793	chr11	8449938	8450317	-136213	Intergenic	NM_001002332	uox	0.944570835	5.273781446	-4.329210611	1.20E-05
peak_27500	chr8	19486889	19487324	-68944	Intergenic	NM_001082819	rorca	-0.360322949	3.970088008	-4.330410957	0.000927
peak_3679	chr9	38082189	38082857	62919	Intergenic	NM_131068	inhbb	2.803316476	7.134622202	-4.331305727	3.08E-14
peak_2028	chr20	33392558	33393388	59609	Intergenic	NM_212614	mycn	4.881650491	9.214359887	-4.332709396	7.74E-18
peak_25802	chr13	30825146	30825397	29471	intron (NM_001098388, intron 2 of 4)	NM_001004626	ppifa	-0.360322949	3.972595509	-4.332918458	0.000514
peak_4605	chr16	35808030	35808819	-98353	Intergenic	NM_131161	pou3f1	5.367033809	9.701129046	-4.334095237	7.28E-13
peak_11459	chr14	31397641	31398086	12733	Intergenic	NM_001003886	her11	2.075829856	6.410166186	-4.33433633	7.92E-08
peak_6768	chr15	20369018	20369737	-29898	Intergenic	NR_030052		2.200926086	6.535838294	-4.334912208	1.12E-10
peak_11280	chr1	4733931	4734306	-112453	Intergenic	NM_212965	nrp2a	1.243333623	5.578943913	-4.335610291	6.51E-08
peak_35609	chr19	38225636	38226620	-441316	Intergenic	NM_001007288	cx30.9	-0.360322949	3.976379077	-4.336702026	0.007863
peak_9131	chr2	26573194	26573581	43849	intron (NM_131022, intron 2 of 3)	NM_213112	rabggtb	2.243333623	6.580568004	-4.337234381	5.01E-09
peak_4458	chr17	38546129	38546660	82994	Intergenic	NM_001256179	mbip	3.938764103	8.276676532	-4.337912429	4.78E-13
peak_10628	chr18	37094672	37095090	-97431	Intergenic	NM_200573	onecut1	2.784293744	7.122609327	-4.338315583	3.23E-08
peak_7535	chr4	9522000	9522407	91070	intron (NM_001082867, intron 1 of 5)	NM_001082867	kcnd2	2.075829856	6.414830588	-4.339000732	4.68E-10
peak_20655	chr13	28609217	28609577	-31511	Intergenic	NM_001162541	slc2a15a	0.625495796	4.964641034	-4.339145238	5.73E-05
peak_2760	chr10	38443721	38444666	-34041	Intergenic	NM_001077461	cuedc1a	5.106785545	9.446058099	-4.339272554	6.00E-16
peak_10462	chr13	30227672	30228017	2018	intron (NM_130959, intron 2 of 5)	NM_130959	wnt8b	0.944570835	5.284570747	-4.339999912	2.62E-08
peak_4986	chr23	20617048	20617629	-70295	Intergenic	NM_001243045	lamb2	3.94019709	8.280739361	-4.340542271	2.15E-12
peak_7536	chr20	37945243	37945565	12459	exon (NM_001029960, exon 9 of 9)	NM_001029960	angel2	0.95594936	5.297667754	-4.341718393	4.69E-10
peak_11043	chr7	30037862	30038363	-20123	Intergenic	NM_001020481	gpr56	2.784293744	7.127797314	-4.34350357	5.15E-08
peak_6082	chr16	49295949	49296391	25974	Intergenic	NM_001003557	bola1	2.116958245	6.460668136	-4.343709891	2.92E-11
peak_7119	chr8	24187482	24187946	-21493	Intergenic	NM_001020476	dnmt3b	1.625495796	5.970661052	-4.345165256	2.18E-10
peak_9249	chr23	29401367	29401671	-199325	Intergenic	NM_198364	tardbpl	0.653720264	4.998999571	-4.345279306	5.89E-09
peak_10830	chr1	14092351	14092825	107160	Intergenic	NM_001045485	pi4k2b	1.831388386	6.179173818	-4.347785432	4.01E-08
peak_14379	chr18	30576759	30577066	64644	Intergenic	NM_001002622	irf8	0.653720264	5.001637912	-4.347917648	1.14E-06
peak_24253	chr20	35237588	35237900	33024	exon (NM_001042761, exon 7 of 7)	NM_001042761	fzd3a	-0.360322949	3.987826947	-4.348149896	0.000288
peak_12302	chr20	21534538	21535292	71559	intron (NM_131862, intron 20 of 25)	NM_131862	jag2b	3.368192036	7.718142866	-4.34995083	1.80E-07
peak_7651	chr17	20703306	20703838	-50272	Intergenic	NM_212564	cdk1	2.363802745	6.714029802	-4.350227057	5.58E-10
peak_2636	chr17	10783574	10784312	-82466	Intergenic	NM_001258228	si:ch211-185a18.	4.565315894	8.91761442	-4.352298526	3.12E-16
peak_13234	chr5	39217362	39217908	-31763	Intergenic	NM_001099989	LOC558044	3.420583411	7.772967549	-4.352384138	4.33E-07
peak_7364	chr19	36729905	36730381	-145926	Intergenic	NM_001044971	bmp8a	1.467052111	5.819547798	-4.352495687	3.40E-10
peak_14641	chr7	37307341	37308004	-142729	Intergenic	NM_001045227	irx5a	3.700328943	8.052861414	-4.35253247	1.40E-06
peak_30233	chr17	39696242	39696493	-168772	Intergenic	NM_001288652	eprs	-0.360322949	3.992744245	-4.353067194	0.002161
peak_25187	chr25	18381250	18381687	24358	exon (NM_131577, exon 19 of 19)	NM_131577	arntl1a	-0.360322949	3.993045812	-4.353368761	0.000414
peak_2111	chr11	22492496	22493820	73600	Intergenic	NM_001013545	zgc:101564	4.062656257	8.416331628	-4.353675371	1.23E-17
peak_19538	chr1	4711174	4711554	-89699	Intergenic	NM_212965	nrp2a	-0.360322949	3.993481326	-4.353804275	3.16E-05
peak_9329	chr22	17275932	17276157	16127	Intergenic	NR_030666		0.653720264	5.007737912	-4.354017648	6.63E-09
peak_4777	chr2	18762096	18763011	74479	Intergenic	NM_001128369	LOC100006660	2.953113131	7.307366608	-4.354253477	1.19E-12
peak_2787	chr5	46935537	46936255	-5420	Intergenic	NM_001287096	adamts3	3.764922485	8.119311674	-4.354389189	7.17E-16
peak_3599	chr1	46609261	46609849	-81885	Intergenic	NM_001037662	sox1b	2.895012766	7.249828485	-4.354815719	2.24E-14
peak_6199	chr18	36944204	36944501	186024	Intergenic	NM_001089357	alx4b	1.44299439	5.797889438	-4.354895048	3.73E-11
peak_2978	chr23	34817690	34818403	380068	Intergenic	NM_212746	klf15	3.728799148	8.085218424	-4.356419276	1.89E-15
peak_10428	chr19	26668351	26668846	52287	intron (NM_001044814, intron 1 of 3)	NM_001044814	dtnbp1b	2.621928594	6.979855988	-4.357927395	2.52E-08
peak_12628	chr14	10066632	10067080	-273165	intron (NM_001142584, intron 4 of 9)	NM_213447	tmem129	0.625495796	4.984733174	-4.359237378	2.45E-07
peak_1554	chr9	7621759	7622759	-31633	intron (NM_001130588, intron 12 of 22)	NR_030098		4.826017789	9.187859583	-4.361841794	1.93E-19
peak_11703	chr5	15621895	15622239	320717	Intergenic	NM_001171697	npffr1l2	0.978440673	5.340311519	-4.361870847	9.82E-08
peak_10029	chr25	7238885	7239649	-388057	Intergenic	NM_001089334	hmg20a	2.31603542	6.679405651	-4.363370232	1.61E-08
peak_8048	chr7	16697057	16697468	60522	intron (NM_001017638, intron 9 of 9)	NM_131641	pax6b	1.467052111	5.831348076	-4.364295965	1.04E-09
peak_9315	chr7	16826065	16826546	-27129	Intergenic	NM_001017638	elp4	3.208081142	7.572780027	-4.364698885	6.53E-09
peak_6491	chr16	54603330	54603728	-107647	Intergenic	NM_213187	dhdds	2.525720463	6.890449082	-4.364728619	6.67E-11
peak_13146	chr23	21765726	21766201	-799	promoter-TSS (NM_131090)	NM_131090	her4.2	3.420463621	7.785372239	-4.364908617	4.04E-07
peak_11161	chr1	30998220	30998899	-10498	Intergenic	NM_001163312	lbx1b	2.834474036	7.200609956	-4.36613592	5.85E-08
peak_4174	chr3	35517423	35518125	26331	Intergenic	NM_001193674	rbbp6	4.535178498	8.903137673	-4.367959175	1.82E-13
peak_14241	chr13	26220294	26220493	143296	Intergenic	NM_001040391	bcl11aa	-0.360322949	4.008848353	-4.369171302	1.02E-06
peak_17195	chr17	48510327	48510651	1676	intron (NM_001201393_1, intron 1 of 3)	NM_001201393_1	smoc1	-0.360322949	4.009273711	-4.36959666	7.96E-06
peak_22190	chr16	49505386	49505634	7398	Intergenic	NM_001146098	rpz3	0.215200887	4.584890084	-4.369689197	0.000118
peak_1827	chr13	17039847	17040710	468646	intron (NM_001020701, intron 5 of 6)	NM_001145600	kcnma1a	5.143434108	9.514523737	-4.371089629	1.57E-18
peak_13546	chr1	6439982	6440569	-14674	Intergenic	NM_001128672	mxb	2.664163689	7.036037474	-4.371873785	5.75E-07
peak_10873	chr20	10296737	10297284	8804	intron (NM_130910, intron 7 of 12)	NM_130910	meis2b	1.618352549	5.990975853	-4.372623303	4.31E-08
peak_10465	chr15	2094263	2094760	83131	intron (NM_131769, intron 5 of 7)	NM_201196	shox2	2.614767619	6.987874932	-4.373107313	2.62E-08
peak_5190	chr16	7472471	7473109	-14011	Intergenic	NM_131059	ctnnb1	2.653720264	7.026847924	-4.37312766	3.73E-12
peak_7733	chr9	44146822	44147229	139075	Intergenic	NM_182881	sestd1	1.66069094	6.035497696	-4.374806756	6.37E-10
peak_11883	chr22	21301975	21302249	-31318	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	0.234016866	4.609001984	-4.374985118	1.20E-07
peak_2591	chr7	16778120	16778853	20690	intron (NM_001017638, intron 4 of 9)	NM_001017638	elp4	4.104231123	8.479573215	-4.375342092	2.50E-16
peak_6429	chr6	1344037	1344569	-23166	Intergenic	NM_183072	txnrd1	3.011692604	7.387809087	-4.376116483	5.88E-11
peak_2627	chr3	13877008	13878060	-678	promoter-TSS (NM_001197065)	NM_001197065	nfil3-2	5.290885533	9.667637531	-4.376751998	3.03E-16
peak_1993	chr5	68763257	68764133	7753	intron (NM_131302, intron 2 of 33)	NM_131302	notch1b	5.379824576	9.757854713	-4.378030137	5.99E-18
peak_4648	chr18	35698923	35699342	-3630	Intergenic	NM_001139480	yap1	2.434885166	6.814377086	-4.37949192	8.02E-13

peak_7023	chr1	51689449	51690319	-10871	Intergenic	NM_001145581	btbd3a	4.708761012	9.090401348	-4.381640336	1.76E-10
peak_6710	chr3	23679862	23680281	73124	Intergenic	NM_205716	casc3	1.831388386	6.214255391	-4.382867005	1.01E-10
peak_10563	chr9	14794997	14795489	-14177	Intergenic	NM_212966	nrp2b	2.31603542	6.699028892	-4.382993472	2.92E-08
peak_7744	chr10	10288901	10290550	5725	Intergenic	NR_029938		4.26992192	8.652961083	-4.383039163	6.44E-10
peak_7005	chr12	34533178	34533567	177210	Intergenic	NM_130982	nog3	1.467052111	5.850752721	-4.38370061	1.71E-10
peak_4187	chr19	42556285	42556897	-65742	Intergenic	NM_001013293	chrac1	3.875671743	8.259708457	-4.384036714	1.91E-13
peak_7498	chr20	30877714	30878233	48882	Intergenic	NM_200198	hebp2	2.200926086	6.585839065	-4.384912978	4.32E-10
peak_28437	chr7	30801309	30801831	3950	Intergenic	NM_131283	foxb1b	-0.360322949	4.025125448	-4.385448397	0.001262
peak_13974	chr15	28972738	28973128	-37250	Intergenic	NM_001128669	samsn1a	1.467052111	5.85284044	-4.385788328	8.23E-07
peak_9491	chr23	27878173	27878518	-3992	Intergenic	NM_001003441	arf3a	2.075829856	6.461747998	-4.385918143	8.28E-09
peak_10734	chr14	32908982	32909480	17080	Intergenic	NM_001001837	zic6	2.521897487	6.907846265	-4.385948778	3.58E-08
peak_10413	chr7	57155685	57156509	-205756	Intergenic	NM_212606	cdh15	2.329220506	6.715469234	-4.386248729	2.48E-08
peak_5818	chr18	19995962	19996629	-11223	Intergenic	NM_131012	gro2	2.625495796	7.013278923	-4.387783128	1.57E-11
peak_9383	chr5	45586578	45586912	97774	Intergenic	NM_001013558	zgc:112966	1.205700064	5.593486472	-4.387786408	7.16E-09
peak_15738	chr8	8221052	8221478	-47007	Intergenic	NM_212736	mecp2	-0.360322949	4.027640093	-4.387963042	3.13E-06
peak_11599	chr22	34327458	34327814	-11801	Intergenic	NM_001037661_1	slc6a6b	0.944570835	5.332668241	-4.388097406	9.07E-08
peak_8416	chr15	10726449	10726807	192063	intron (NM_130969, intron 4 of 31)	NM_130969	odz4	1.618352549	6.007280916	-4.388928367	1.89E-09
peak_2082	chr24	36586193	36587277	-91686	Intergenic	NM_001030067	pcmtd1	5.475040695	9.864550531	-4.389509837	1.04E-17
peak_12278	chr7	29322847	29323957	161161	Intergenic	NM_173219	lmo1	3.250281917	7.640205852	-4.389923935	1.75E-07
peak_8345	chr1	52114958	52115551	102	exon (NM_001003607, exon 1 of 3)	NM_001003607	cnrip1a	2.614767619	7.004920086	-4.390152467	1.69E-09
peak_9447	chr2	45304039	45304567	-51565	Intergenic	NR_029925		2.935977657	7.327487135	-4.391509477	7.84E-09
peak_20586	chr23	23734143	23734498	-38915	Intergenic	NM_131873	her9	-0.360322949	4.031500174	-4.391823123	5.56E-05
peak_2237	chr22	17263468	17264129	28373	Intergenic	NR_030666		4.334678924	8.729160386	-4.394481462	2.78E-17
peak_8427	chr15	29124941	29125412	-19501	intron (NM_001076633, intron 10 of 10)	NR_030050		1.938847741	6.33341496	-4.394567219	1.91E-09
peak_22957	chr14	42028199	42028515	65243	intron (NM_001114413, intron 5 of 6)	NM_001114413	tnmd	0.625495796	5.020143796	-4.394648	0.000166
peak_8768	chr17	43753375	43753686	-43377	Intergenic	NM_183341	egr2a	0.944570835	5.339480682	-4.394909847	3.00E-09
peak_2601	chr2	21897999	21898601	51014	intron (NM_001256694, intron 9 of 9)	NM_201173	cyp7a1a	3.229335828	7.625111854	-4.395776026	2.66E-16
peak_12091	chr19	33832001	33832708	-84	promoter-TSS (NM_001044826)	NM_001044826	atxn1a	1.205700064	5.601812251	-4.396112187	1.45E-07
peak_1499	chr20	33379609	33380444	46662	Intergenic	NM_212614	mycn	5.657696229	10.05525585	-4.397559618	1.15E-19
peak_4298	chr11	14697448	14698389	135760	Intergenic	NM_001122654	ptbp1b	3.795420797	8.19444712	-4.399026322	2.66E-13
peak_7307	chr18	14903445	14903998	11820	intron (NM_001005293, intron 4 of 9)	NM_001005293	ric8b	3.481017596	7.881206104	-4.400188508	3.09E-10
peak_6842	chr11	32272648	32273036	67272	intron (NM_001201559, intron 15 of 19)	NM_001201559	im:7137555	2.430813397	6.831675404	-4.400862008	1.27E-10
peak_3572	chr5	42681133	42681770	40775	Intergenic	NM_001006105	golph3	3.843780917	8.244860824	-4.401079907	2.01E-14
peak_1915	chr22	18483270	18484514	5036	Intergenic	NR_029996		4.283533241	8.684707463	-4.401174222	3.25E-18
peak_6844	chr10	22263902	22264229	-6955	Intergenic	NM_170766	tlx3b	1.618352549	6.020925003	-4.402572454	1.28E-10
peak_4142	chr23	44483656	44484217	7470	intron (NM_131417, intron 1 of 16)	NM_131417	ephb4b	3.096540606	7.499597461	-4.403056855	1.63E-13
peak_9583	chr10	4276972	4277398	56792	Intergenic	NR_029954		2.075829856	6.479939664	-4.404109809	9.39E-09
peak_7365	chr9	8196156	8196793	-242108	Intergenic	NM_001109720	zgc:171776	3.750292903	8.154778455	-4.404485552	3.40E-10
peak_10939	chr22	12052378	12052754	-30404	Intergenic	NM_001045311	mgat5	0.978440673	5.387110043	-4.40866937	4.56E-08
peak_2283	chr2	3615029	3616377	36995	intron (NM_001007185, intron 3 of 4)	NM_001007185	wnt3a	6.171228861	10.58130139	-4.410072524	4.30E-17
peak_17910	chr20	34713482	34713761	17617	intron (NM_001014322, intron 9 of 14)	NM_001014322	elp3	-0.360322949	4.050522193	-4.410845142	1.29E-05
peak_7419	chr9	33728258	33728755	-11190	Intergenic	NM_001103138	ercc1	2.075829856	6.486720489	-4.410890634	3.76E-10
peak_4123	chr7	53931707	53932179	81615	Intergenic	NM_214816	tcf12	2.970047467	7.381555223	-4.411507757	1.53E-13
peak_28850	chr10	11433070	11433363	69117	intron (NM_201103, intron 11 of 13)	NM_201103	cwc27	-0.360322949	4.051228033	-4.411550982	0.001443
peak_6618	chr23	22368303	22368976	-1864	intron (NM_152958, intron 9 of 14)	NM_001136488	phc2a	3.320443851	7.732756292	-4.412312441	8.49E-11
peak_8355	chr5	21393402	21394014	-101631	Intergenic	NM_001126454	fam222a	2.471023015	6.883844919	-4.412821903	1.70E-09
peak_13466	chr6	27690923	27691368	-9100	Intergenic	NM_001080177	amotl2a	1.243333623	5.657488924	-4.414155301	5.39E-07
peak_14473	chr17	27054304	27054886	22889	intron (NM_001039992, intron 3 of 7)	NM_001039992	asap3	3.753461665	8.170019983	-4.416558317	1.24E-06
peak_15919	chr7	74681309	74681527	164271	Intergenic	NM_001008590	slc35c1	-0.360322949	4.057576004	-4.417898954	3.55E-06
peak_4978	chr16	20775817	20776164	-155690	Intergenic	NM_199736	slc6a19b	1.793836463	6.212800749	-4.418964286	2.11E-12
peak_2949	chr6	31917390	31917989	89394	Intergenic	NM_001002103	atg4c	3.449046535	7.868478219	-4.419431684	1.65E-15
peak_12524	chr7	37566519	37567031	-227987	Intergenic	NM_200105	aktip	3.47113868	7.890838996	-4.419700316	2.24E-07
peak_3929	chr15	20329975	20331239	-68668	Intergenic	NR_030052		4.933059868	9.353628625	-4.420568757	7.93E-14
peak_6465	chr24	14361430	14361875	6115	Intergenic	NM_001163831	prdm14	2.66069094	7.081615212	-4.420924272	6.23E-11
peak_2289	chr17	8556324	8557022	-18473	Intergenic	NM_131715	ctbp2a	3.848367416	8.269633772	-4.421266357	4.43E-17
peak_2675	chr7	39208168	39208636	-4124	Intergenic	NM_001166272	adcy7	2.967238845	7.389541507	-4.422302661	3.78E-16
peak_3420	chr21	17992293	17992911	106569	Intergenic	NM_001002475	nkx6.1	3.857496901	8.280700529	-4.423203628	1.12E-14
peak_17610	chr8	12405122	12405637	100218	intron (NM_200660, intron 7 of 7)	NM_200660	med27	0.653720264	5.077139415	-4.423419151	1.07E-05
peak_8199	chr10	36126158	36126423	5819	intron (NM_001020552, intron 2 of 4)	NM_001020552	zgc:110006	0.967238845	5.390793746	-4.4235549	1.34E-09
peak_12058	chr13	10418507	10419194	54205	intron (NM_001142592, intron 22 of 37)	NM_001142592	lrpprc	2.912638768	7.33620568	-4.423566912	1.42E-07
peak_8078	chr23	27426045	27426436	-32737	Intergenic	NM_001214908	wu:fc13c02	1.831388386	6.256766384	-4.425377998	1.09E-09
peak_17799	chr8	50494812	50495602	-267050	Intergenic	NM_001128741	zgc:195023	4.197335207	8.622933796	-4.425598588	1.21E-05
peak_2543	chr17	31103387	31104348	14215	intron (NM_001193598, intron 1 of 21)	NM_001193598	eml1	4.19726529	8.623695826	-4.426430536	1.84E-16
peak_2568	chr6	43211113	43212103	45908	Intergenic	NM_001006096	arl6ip5a	4.478989702	8.905449119	-4.426459417	2.10E-16
peak_1719	chr3	25822999	25824079	91154	intron (NM_130998, intron 5 of 5)	NM_130998	ntn1b	6.02185951	10.44922791	-4.427368403	7.05E-19
peak_4923	chr24	28421484	28422050	3026	intron (NM_131095, intron 1 of 16)	NM_131095	ek1	3.114421786	7.542194929	-4.427773142	1.82E-12
peak_5930	chr23	25912187	25912551	-83775	Intergenic	NM_001003541	rbms2b	2.210458296	6.641048191	-4.430589895	2.01E-11
peak_13115	chr13	34770667	34771947	-141800	intron (NM_200549, intron 17 of 19)	NM_001100953	tasp1	3.139733435	7.5705373	-4.430803865	3.94E-07
peak_6885	chr16	54979796	54980363	53994	Intergenic	NM_001082926	si:ch211-107n13.	1.95594936	6.386763482	-4.430814122	1.38E-10
peak_21436	chr23	28544029	28544484	-21723	Intergenic	NM_145195	birc5b	1.205700064	5.636688361	-4.430988296	8.27E-05
peak_7881	chr5	58419567	58419960	45402	Intergenic	NM_001100053	tmem232	1.426730103	5.858480363	-4.431750259	7.81E-10
peak_19808	chr21	36479097	36479427	40565	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	0.625495796	5.059195637	-4.433699841	3.68E-05
peak_18367	chr8	21467830	21468290	-15299	Intergenic	NM_001007438	haus5	1.618352549	6.053085116	-4.434732567	1.67E-05
peak_15679	chr1	47312883	47313345	16762	Intergenic	NM_001278811	si:ch73-160h15.3	1.618352549	6.053388836	-4.435036286	3.01E-06
peak_13455	chr2	45325501	45325935	-72980	Intergenic	NR_029925		1.426730103	5.862588177	-4.435858074	5.34E-07
peak_24577	chr18	23786283	23786671	-127412	Intergenic	NM_131183	nr2f2	-0.360322949	4.076415892	-4.436738841	0.000328
peak_18738	chr4	11732912	11733237	49802	intron (NM_001020739, intron 3 of 3)	NM_001005957	mgst1.1	-0.360322949	4.076627152	-4.436950101	2.03E-05
peak_3347	chr9	49197805	49198291	3661	exon (NM_199577, exon 2 of 12)	NM_199577	phgdh	2.64320069	7.080410072	-4.437209382	8.28E-15
peak_27518	chr3	28322284	28322704	-95680	Intergenic	NM_001005596	rbfox1	-0.360322949	4.077028246	-4.437351195	0.000931
peak_11974	chr18	14866068	14866679	8310	intron (NM_001044708, intron 1 of 6)	NM_001044708	si:dkey-103i16.6	3.313826142	7.751298275	-4.437472133	1.32E-07
peak_10049	chr12	38281953	38282588	43324	Intergenic	NM_001113644_1	zgc:172101	3.750197587	8.188175113	-4.437977526	1.64E-08
peak_19680	chr21	22865197	22865523	159277	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	-0.360322949	4.077955867	-4.438278816	3.43E-05
peak_3920	chr2	39824486	39825131	15330	intron (NM_001005919, intron 3 of 16)	NM_001005919	epha4a	2.632603848	7.071794403	-4.439190555	7.84E-14
peak_7196	chr18	42586521	42587166	-56641	Intergenic	NM_001081628	cdon	3.116958245	7.558940447	-4.441982202	2.51E-10
peak_27996	chr2	41437685	41438162	11450	intron (NM_001020567, intron 1 of 14)	NM_001020567	zgc:110158	-0.360322949	4.082208921	-4.44253187	0.001102
peak_23810	chr1	39993095	39993388	86505	intron (NM_130968, intron 3 of 28)	NM_130968	tenm3	-0.360322949	4.08256639	-4.442889339	0.000237
peak_9483	chr8	8700503	8701004	-104884	Intergenic	NM_001122628_1		2.42263522	6.866306676	-4.443671456	8.21E-09
peak_6867	chr13	29416819	29417280	65036	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	1.426730103	5.870711298	-4.443981195	1.32E-10
peak_23192	chr13	30105167	30105433	-44396	Intergenic	NM_001017994	cuedc2	-0.360322949	4.083893773	-4.444216722	0.000183
peak_1645	chr17	32549678	32550552	25668	Intergenic	NM_001077604	klf11b	4.371320339	8.816195606	-4.444875266	4.02E-19
peak_8234	chr10	32246440	32246891	11698	Intergenic	NM_200398	tmem218	2.570823028	7.015746931	-4.444923903	1.41E-09
peak_29679	chr6	49910886	49911409	23812	intron (NM_199218, intron 7 of 9)	NM_001128801	asip	-0.360322949	4.085563045	-4.445885994	0.001852
peak_22416	chr20	13687559	13687769	-10150	Intergenic	NM_001029958	lpgat1	-0.360322949	4.085568208	-4.445891157	0.000131
peak_6202	chr20	33444360	33444708	82088	Intergenic	NM_001044809	smek1	1.831388386	6.278847173	-4.447458786	3.74E-11
peak_3260	chr18	23238151	23238693	263841	Intergenic	NM_131301	mef2aa	2.722150645	7.169839822	-4.447689177	5.83E-15
peak_4321	chr19	36253042	36253583	37488	intron (NM_001044925, intron 17 of 21)	NM_001044925	elp2	2.797003394	7.245153829	-4.448150435	2.90E-13
peak_4095	chr2	39833320	39834108	6424	intron (NM_001005919, intron 3 of 16)	NM_001005919	epha4a	5.101709524	9.55011891	-4.448409386	1.40E-13
peak_7259	chr17	36168158	36168577	-109632	Intergenic	NM_131336	sox11a	2.521897487	6.97088815	-4.448990663	2.85E-10
peak_1267	chr5	8731600	8732555	110767	Intergenic	NM_131457	bmpr1ba	5.705766241	10.15528077	-4.449514531	9.92E-21
peak_6567	chr14	33592359	33592642	-26821	Intergenic	NM_001039135	inppl1b	1.205700064	5.655297184	-4.44959712	7.59E-11
peak_8224	chr20	21978686	21979092	3314	intron (NM_001030136, intron 1 of 24)	NM_001030136	daam1b	2.42263522	6.87305789	-4.450422671	1.40E-09
peak_8349	chr23	28597071	28597612	-7439	Intergenic	NM_170762	neurod4	3.054663095	7.505491347	-4.450828251	1.69E-09
peak_1166	chr14	27647173	27648619	66021	Intergenic	NM_131041	neurog1	6.631482584	11.08232054	-4.450837954	2.51E-21
peak_11395	chr7	66902240	66902841	-72340	Intergenic	NM_198825_1	fam60al	2.614767619	7.068072759	-4.45330514	7.41E-08
peak_2834	chr13	30639110	30639576	-91040	Intergenic	NM_001113339	zmiz1a	3.096540606	7.549861285	-4.453320678	9.23E-16

peak_9558	chr20	22508299	22508746	-37605	Intergenic	NM_001025512	gsx2	1.938847741	6.392433734	-4.453585993	9.06E-09
peak_7830	chr11	28374235	28374966	2697	intron (NM_001025540, intron 2 of 3)	NM_001025540	wnt7aa	2.247969535	6.703348829	-4.455379294	7.28E-10
peak_8787	chr9	2191387	2191860	-137366	Intergenic	NM_201176	atp5g3a	0.944570835	5.40056509	-4.455994255	3.11E-09
peak_6162	chr17	33724147	33724484	23363	Intergenic	NM_205577	pth2	1.459077363	5.918274491	-4.459197128	3.48E-11
peak_9696	chr16	24803532	24804243	59793	Intergenic	NM_001013495	s100t	2.081035483	6.54031795	-4.459282466	1.08E-08
peak_9003	chr9	24153978	24154355	-2471	Intergenic	NM_001004670	lypd6	1.205700064	5.664996656	-4.459296592	4.22E-09
peak_4533	chr5	31113964	31114246	12630	intron (NM_001114548, intron 3 of 47)	NM_001114548	cacna1ba	1.632603848	6.091927108	-4.45932326	5.93E-13
peak_13013	chr8	7895786	7896192	65	promoter-TSS (NM_001166129)	NM_001166129	pcsk1nl	0.978440673	5.43930322	-4.460862547	3.57E-07
peak_4617	chr16	31292086	31292503	38830	Intergenic	NM_001199720	LOC555692	2.459077363	6.92014613	-4.461068767	7.47E-13
peak_9456	chr4	18078754	18079139	23070	Intergenic	NM_001030186	lepb	1.243333623	5.705513712	-4.462180089	7.93E-09
peak_5869	chr17	22518634	22520031	-70894	Intergenic	NM_173285	ttc27	4.709601515	9.172117323	-4.462515808	1.77E-11
peak_2635	chr11	27590658	27591141	44270	Intergenic	NM_001045307	acad9	3.093967964	7.556657137	-4.462689173	3.12E-16
peak_10817	chr12	26007082	26007596	152623	intron (NM_001080021, intron 9 of 21)	NM_001080021	nrxn1a	2.471023015	6.9338169	-4.462793885	3.95E-08
peak_7099	chr12	49778113	49779151	-8314	Intergenic	NM_200855	ndufb8	3.238682765	7.701970425	-4.463287659	2.12E-10
peak_8756	chr23	32328627	32328883	9930	intron (NM_001130616, intron 8 of 8)	NM_001130616	zgc:194455	0.944570835	5.408875541	-4.464304706	2.95E-09
peak_7657	chr18	30254318	30254718	-131500	Intergenic	NM_001080807	gse1	2.122017822	6.586513141	-4.46449532	5.63E-10
peak_11708	chr5	51258482	51258800	-268932	Intergenic	NM_131180	nr2f1a	0.978440673	5.445297021	-4.466856348	9.88E-08
peak_10475	chr24	21861558	21861902	5667	intron (NM_001005393, intron 1 of 18)	NM_001005393	boc	1.205700064	5.672703158	-4.467003094	2.66E-08
peak_2555	chr19	26376556	26377402	-79686	Intergenic	NM_001202459	jarid2b	4.06002242	8.527814565	-4.467792145	1.94E-16
peak_5919	chr9	26832128	26832671	21784	intron (NM_001114551, intron 1 of 8)	NM_001114551	zeb2a	1.938847741	6.407596396	-4.468748656	1.97E-11
peak_6941	chr13	28729366	28730251	-6671	Intergenic	NM_131521	fbxw4	2.363802745	6.83280204	-4.468999295	1.53E-10
peak_6172	chr8	50515893	50516555	-246033	Intergenic	NM_001128741	zgc:195023	3.447031973	7.916299142	-4.469267169	3.54E-11
peak_7540	chr22	40041545	40041901	152467	Intergenic	NM_001003462	trim35-36	0.653720264	5.12302157	-4.469301306	4.71E-10
peak_4744	chr12	9558380	9558858	-18321	Intergenic	NM_200161	reep3b	1.950271315	6.420431088	-4.470159772	1.07E-12
peak_1246	chr7	15236256	15236880	20432	Intergenic	NR_045222		5.323160258	9.793399374	-4.470239117	8.02E-21
peak_7280	chr22	414332	414965	765	intron (NM_001080577_1, intron 2 of 28)	NM_001080577_1	celsr2	3.525720463	7.997080728	-4.471360265	2.96E-10
peak_5672	chr1	36132606	36133138	-12179	Intergenic	NM_212807	pou4f2	3.65197232	8.123346569	-4.471374248	1.15E-11
peak_2721	chr20	23987633	23988309	45106	Intergenic	NM_212819	cx52.6	3.395609492	7.867429638	-4.471820147	4.95E-16
peak_6515	chr8	29367073	29367504	-8344	Intergenic	NM_213637	scrt2	2.31603542	6.789271276	-4.473235856	6.98E-11
peak_7704	chr17	33022444	33023093	-37571	Intergenic	NM_001013550	smyd2a	3.944487529	8.418250364	-4.473762835	6.05E-10
peak_9695	chr16	45083022	45083597	-5863	Intergenic	NM_001039979	ppox	2.471023015	6.944964106	-4.473941091	1.07E-08
peak_30896	chr13	2834370	2834778	9901	intron (NM_001161598, intron 1 of 6)	NM_001161598	si:ch211-239i4.3	-0.360322949	4.113907947	-4.474230896	0.002551
peak_18766	chr12	410819	411067	32080	Intergenic	NM_001081440	hs3st3l	-0.360322949	4.114892888	-4.475215837	2.07E-05
peak_18020	chr7	17403894	17404294	-66669	Intergenic	NM_001006026	csrp3	0.625495796	5.10075745	-4.475261654	1.38E-05
peak_4686	chr4	16547101	16547845	-45041	Intergenic	NM_001045096	recql	3.241010068	7.717509978	-4.47649991	8.99E-13
peak_9308	chr13	50175279	50175522	-27571	Intergenic	NM_001030104	tsnax	0.215200887	4.692571269	-4.477370382	6.48E-09
peak_5020	chr13	3311694	3312631	-143881	Intergenic	NM_001017635	park2	5.029264731	9.506660505	-4.477395774	2.36E-12
peak_7053	chr17	27980405	27980874	180425	Intergenic	NM_001242995	kdm1a	1.984009138	6.461615824	-4.477606686	1.92E-10
peak_3154	chr7	44345706	44346832	11305	intron (NM_001146305, intron 1 of 13)	NM_001146305	plxdc2	4.273336808	8.751620741	-4.478283932	3.63E-15
peak_15630	chr4	6850915	6851305	31131	intron (NM_001201357, intron 1 of 16)	NM_001201357	LOC798487	0.234016866	4.712337754	-4.478320888	2.87E-06
peak_6337	chr2	17657397	17657796	-57815	Intergenic	NM_001083576	ptprfb	1.243333623	5.722572755	-4.479239133	4.86E-11
peak_14083	chr13	25125470	25126205	59090	Intergenic	NM_001110395	zgc:172281	3.795328417	8.277431178	-4.482102761	9.03E-07
peak_29334	chr9	13267230	13267609	31427	intron (NM_001039807, intron 1 of 12)	NM_001039807	bmpr2b	-0.360322949	4.121801979	-4.482124928	0.001679
peak_7396	chr7	41845149	41846046	-32586	intron (NM_001128667, intron 12 of 22)	NR_030097		4.349916436	8.832541858	-4.482625422	3.61E-10
peak_1852	chr4	5598041	5598759	-16644	Intergenic	NM_131289	pou3f2a	4.889089251	9.371799555	-4.482710304	1.85E-18
peak_19823	chr20	20500261	20500536	-18209	Intergenic	NM_001044806	prkchb	-0.360322949	4.122894635	-4.483217584	3.72E-05
peak_1497	chr23	44505223	44506233	29262	intron (NM_131417, intron 4 of 16)	NM_131417	ephb4b	5.145299012	9.628937323	-4.483638311	1.11E-19
peak_10531	chr7	34137259	34137808	30130	Intergenic	NM_001005398	slc17a6b	1.984009138	6.469185388	-4.48517625	2.82E-08
peak_10068	chr12	50160381	50160857	-32310	Intergenic	NM_001015064_1	ctbp2l	2.106785545	6.592045773	-4.485260228	1.68E-08
peak_7625	chr20	21735953	21736275	68710	Intergenic	NM_180966	esr2a	0.625495796	5.111176097	-4.485680301	5.35E-10
peak_6358	chr25	677990	678456	23749	intron (NM_001098393, intron 1 of 7)	NM_001098393	zgc:162740	1.205700064	5.692796514	-4.48709645	5.09E-11
peak_8658	chr2	10075884	10076220	4080	TTS (NM_200576)	NM_200576	gadd45aa	0.978440673	5.466865769	-4.488425096	2.53E-09
peak_7351	chr10	9970778	9971125	324499	Intergenic	NR_029938		0.978440673	5.468244077	-4.489803405	3.33E-10
peak_15986	chr5	22787701	22788035	26456	intron (NM_001271393, intron 5 of 19)	NM_001271393	camk2b1	1.467052111	5.957500251	-4.490448139	3.73E-06
peak_9139	chr3	26459614	26460153	-33134	Intergenic	NM_001172397	xylt1	2.363802745	6.854686357	-4.490883612	5.08E-09
peak_9196	chr13	1115975	1116449	63803	Intergenic	NM_001110393	olig3	2.912638768	7.403972771	-4.491334004	5.49E-09
peak_5276	chr8	29382860	29383300	7448	TTS (NM_213637)	NM_213637	scrt2	2.081035483	6.573225693	-4.492190209	4.56E-12
peak_5441	chr8	45786977	45787984	14070	Intergenic	NM_131706	mhc2dcb	4.049438723	8.542129113	-4.49269039	6.66E-12
peak_7404	chr20	20602153	20602442	3728	TTS (NM_001020585)	NM_001020585	six6b	1.205700064	5.700706388	-4.495006323	3.69E-10
peak_22204	chr5	67652612	67652876	-14156	intron (NM_201076, intron 3 of 10)	NM_001110168	si:ch211-233f10.4	-0.360322949	4.13747068	-4.497793629	0.000119
peak_6031	chr18	41631874	41632185	80792	Intergenic	NM_001167569_1	pvrl1b	1.66069094	6.159150483	-4.498459543	2.55E-11
peak_9659	chr2	29698594	29699026	7543	Intergenic	NM_131040	eng2b	0.944570835	5.443391509	-4.498820674	1.03E-08
peak_19244	chr8	27205591	27205881	-20356	intron (NM_001077370, intron 1 of 9)	NM_001128293	hyal3	0.215200887	4.715979481	-4.500778594	2.70E-05
peak_18126	chr17	31028154	31028396	6806	intron (NM_199519, intron 1 of 12)	NM_199519	evla	-0.360322949	4.142313138	-4.502636087	1.47E-05
peak_10897	chr13	26670447	26670863	-257183	Intergenic	NM_212982	fancl	0.625495796	5.128825048	-4.503329252	4.43E-08
peak_12520	chr19	29503590	29504049	-228745	Intergenic	NM_213122	sox4a	0.234016866	4.737688598	-4.503671732	2.23E-07
peak_17022	chr11	28333012	28333263	44160	Intergenic	NM_001025540	wnt7aa	-0.360322949	4.144117806	-4.504440755	7.11E-06
peak_6395	chr18	23384462	23385453	274108	Intergenic	NM_131183	nr2f2	3.359525028	7.864590813	-4.505065785	5.47E-11
peak_10151	chr5	52191870	52192180	275809	Intergenic	NM_001135983	zgc:194908	0.944570835	5.450675904	-4.506105069	1.84E-08
peak_16010	chr23	8023600	8024229	239628	Intergenic	NM_001100145	kif3b	0.978440673	5.484942706	-4.506502033	3.79E-06
peak_26151	chr23	33097592	33098000	-406148	Intergenic	NR_029935		-0.360322949	4.146466309	-4.506789258	0.00058
peak_7018	chr7	70551486	70552182	-120739	Intergenic	NM_199682	ap1g1	2.66069094	7.167727938	-4.507036998	1.75E-10
peak_2647	chr7	51229643	51230144	57136	Intergenic	NM_131231	ascl1b	3.391425188	7.898487346	-4.507062159	3.34E-16
peak_11218	chr24	27918044	27918612	50045	Intergenic	NM_001077562	larp4b	3.25733105	7.764426569	-4.507095519	6.09E-08
peak_8482	chr1	48622387	48622660	293797	Intergenic	NM_001077556	ccdc147	0.653720264	5.160852654	-4.507132389	2.05E-09
peak_4942	chr18	38821914	38822910	-16356	Intergenic	NM_001017885	chrna5	4.513146234	9.020318439	-4.507172205	1.88E-12
peak_5899	chr1	51630815	51631309	36302	exon (NM_131861, exon 14 of 27)	NM_131861	jag1a	1.618352549	6.125557977	-4.507205428	1.89E-11
peak_20663	chr2	56490877	56491211	70769	Intergenic	NM_001037113	uba52	-0.360322949	4.147774072	-4.508097021	5.75E-05
peak_1477	chr16	45163619	45164179	-86453	Intergenic	NM_001039979	ppox	4.367064887	8.875399362	-4.508334475	8.91E-20
peak_8500	chr12	31911820	31912145	23271	Intergenic	NM_001164028	tdrd1	0.978440673	5.486875679	-4.508435006	2.10E-09
peak_1513	chr5	70397303	70398043	10538	intron (NM_131418, intron 5 of 16)	NM_131418	coe2	5.357948883	9.8671642	-4.509215317	1.27E-19
peak_8088	chr13	13662843	13663337	30985	intron (NM_001159828, intron 2 of 19)	NM_001159828	slc4a11	2.426730103	6.937463308	-4.510733205	1.11E-09
peak_10831	chr24	25168406	25168827	99110	Intergenic	NM_200955	bhlhe22	0.944570835	5.455958047	-4.511387212	4.01E-08
peak_19742	chr13	9935449	9935719	-109005	Intergenic	NM_131362	six3a	0.215200887	4.727120899	-4.511920012	3.54E-05
peak_5235	chr25	8777035	8777968	-18134	Intergenic	NR_029997		4.813562289	9.3288211	-4.515258812	4.09E-12
peak_20379	chr18	12011010	12011379	50091	intron (NM_001099985, intron 1 of 13)	NM_001099985	hipk2	0.625495796	5.142126237	-4.516630442	5.04E-05
peak_2652	chr5	19560738	19561569	2166	intron (NM_001100015, intron 2 of 17)	NM_001100015	chfr	3.777803175	8.294602759	-4.516799584	3.37E-16
peak_7664	chr18	23866678	23867463	-208005	Intergenic	NM_131183	nr2f2	3.869580369	8.386697459	-4.51711709	5.69E-10
peak_1537	chr19	29399127	29399838	-124408	Intergenic	NM_213122	sox4a	5.254962771	9.772248953	-4.517286181	1.66E-19
peak_21833	chr7	35683307	35683602	43642	Intergenic	NM_001017717	bbox1	-0.360322949	4.158355307	-4.518678256	0.000101
peak_5644	chr5	70409562	70410042	22667	intron (NM_131418, intron 6 of 16)	NM_131418	coe2	2.797003394	7.316310802	-4.519307409	1.08E-11
peak_23124	chr9	22038441	22038785	62703	Intergenic	NM_153664	tbx15	-0.360322949	4.15935335	-4.519676299	0.000179
peak_7320	chr7	59346023	59346425	-2328	Intergenic	NM_001006063	ank2b	2.122017822	6.641931096	-4.519913274	3.18E-10
peak_12765	chr13	28621191	28621644	-19491	Intergenic	NM_001162541	slc2a15a	1.426730103	5.946678375	-4.519948271	2.81E-07
peak_11812	chr25	18258313	18258633	-75921	intron (NM_001130648, intron 6 of 10)	NM_001089372	zgc:162634	0.944570835	5.464680672	-4.520109837	1.10E-07
peak_22415	chr7	32606146	32606543	-102585	Intergenic	NM_001089326	ctdspl2b	-0.360322949	4.160679951	-4.5210029	0.000131
peak_5578	chr18	19634457	19634888	-28970	intron (NM_001045129, intron 14 of 20)	NM_001082953	zgc:162898	1.66069094	6.18376349	-4.523072549	9.38E-12
peak_8149	chr4	14354928	14355303	130729	intron (NM_001004495, intron 4 of 30)	NM_001004495	plxna4	0.978440673	5.501579442	-4.52313877	1.23E-09
peak_28810	chr11	20239663	20239877	-44253	Intergenic	NM_212668	namptb	-0.360322949	4.163500535	-4.523823484	0.001424
peak_15745	chr10	37836473	37836789	-1039	Intergenic	NM_001190303	slc1a3b	-0.360322949	4.164685409	-4.525008358	3.16E-06
peak_17133	chr5	19322068	19322404	-236751	Intergenic	NM_001100015	chfr	0.653720264	5.178882833	-4.525162568	7.65E-06
peak_1521	chr22	19923919	19924684	-34337	Intergenic	NM_199573	rgmd	5.063313966	9.589546721	-4.526232755	1.43E-19
peak_8284	chr1	39942620	39943225	36186	intron (NM_130968, intron 1 of 28)	NM_130968	tenm3	2.751830549	7.278275643	-4.526445094	1.55E-09
peak_12820	chr14	8537895	8538271	-26926	Intergenic	NM_001002333	stx5a	0.234016866	4.760731074	-4.526714208	2.96E-07
peak_9152	chr17	29955599	29956546	-19626	Intergenic	NM_212954	esrrga	2.702019304	7.228998967	-4.526979663	5.15E-09

peak_14193	chr1	51632847	51633119	34381	intron (NM_131861, intron 13 of 26)	NM_131861	jag1a	-0.360322949	4.166719761	-4.52704271	9.80E-07
peak_3360	chr6	44309829	44310301	23217	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	2.803316476	7.330418418	-4.527101942	8.80E-15
peak_13471	chr20	39344732	39345308	13365	Intergenic	NM_001082896	si:dkey-217m5.3	1.243333623	5.770471303	-4.52713768	5.41E-07
peak_1682	chr25	20253087	20254406	29636	Intergenic	NM_001004622	zgc:101783	5.0373604	9.564549123	-4.527188723	5.39E-19
peak_7001	chr17	24114157	24114860	-32417	Intergenic	NM_131250	otx1b	2.471023015	6.999536012	-4.528512996	1.70E-10
peak_19149	chr11	31139424	31139680	10130	exon (NM_001114730, exon 6 of 20)	NM_001114730	ppef1	0.234016866	4.763187645	-4.529170779	2.57E-05
peak_18621	chr6	51922429	51922735	147156	Intergenic	NM_001287552	LOC570865	0.234016866	4.765958171	-4.531941305	1.91E-05
peak_10834	chr4	14446517	14447008	39082	intron (NM_001004495, intron 2 of 30)	NM_001004495	plxna4	1.426730103	5.95886532	-4.532135217	4.04E-08
peak_12373	chr16	23993227	23993775	2177	TTS (NM_001258235)	NM_001258235	dicp3.3	3.368192036	7.900813626	-4.53262159	1.94E-07
peak_9533	chr16	9074609	9075093	-132855	Intergenic	NM_001030206	ano10a	3.006230172	7.539337147	-4.533106974	8.69E-09
peak_11490	chr19	35142622	35142920	76147	intron (NM_001076776, intron 9 of 10)	NM_001076776	runx1t1	0.215200887	4.748550134	-4.533349247	8.14E-08
peak_12297	chr10	26317299	26317592	16414	Intergenic	NM_131294	sod1	0.639677051	5.1736903	-4.534013249	1.79E-07
peak_8946	chr15	29370571	29370873	-168888	Intergenic	NM_001113485	nlk2	0.978440673	5.513695267	-4.535254594	3.91E-09
peak_4746	chr4	14600235	14600997	68287	intron (NM_214804, intron 5 of 9)	NM_214804	chchd3	4.08363127	8.61908677	-4.5354555	1.08E-12
peak_2819	chr21	23007172	23007629	17237	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	2.636144784	7.171778917	-4.535634133	8.33E-16
peak_18397	chr6	40591216	40591614	-1237	Intergenic	NM_200695	eno1b	-0.360322949	4.175689117	-4.536012066	1.69E-05
peak_5737	chr5	25909773	25910159	-2298	exon (NM_001013499, exon 4 of 5)	NM_001105113	plscr3a	1.205700064	5.743011759	-4.537311694	1.31E-11
peak_28248	chr10	37199498	37199856	35902	Intergenic	NM_001007431	katnal1	-0.360322949	4.177126739	-4.537449688	0.001188
peak_7897	chr1	24356295	24356816	-3022	Intergenic	NM_001077384	sfrp2	2.122017822	6.660437316	-4.538419495	8.10E-10
peak_20514	chr11	27191971	27192203	-104910	Intergenic	NM_001045240	ppcs	-0.360322949	4.179290433	-4.539613382	5.34E-05
peak_1952	chr7	17604840	17605920	197866	Intergenic	NM_131158	dbx1a	4.971490612	9.511895615	-4.540405002	4.42E-18
peak_24685	chr10	23390662	23391008	-31771	Intergenic	NM_001020582	nle1	-0.360322949	4.183699581	-4.54402253	0.000343
peak_15455	chr14	30777639	30778004	-67168	Intergenic	NM_001079996	cyp4v7	0.215200887	4.759603952	-4.544403065	2.53E-06
peak_20089	chr16	35548974	35549275	71605	Intergenic	NM_001020635	rragca	-0.360322949	4.184538094	-4.544861043	4.33E-05
peak_14298	chr16	35926656	35927468	20285	Intergenic	NM_131161	pou3f1	3.836014389	8.381964474	-4.545950085	1.06E-06
peak_11684	chr16	35616197	35616467	138813	Intergenic	NM_001020635	rragca	0.215200887	4.761987366	-4.546786479	9.68E-08
peak_2805	chr3	25816251	25817014	98061	intron (NM_130998, intron 5 of 5)	NM_130998	ntn1b	3.583823625	8.130951303	-4.547127679	7.81E-16
peak_10558	chr17	33333572	33334097	-30274	Intergenic	NM_001012313	snx9a	1.243333623	5.79047123	-4.547137607	2.91E-08
peak_14343	chr12	32674986	32675240	115175	intron (NM_131259, intron 11 of 14)	NM_131259	tcf7l2	0.639677051	5.187293184	-4.547616133	1.10E-06
peak_12491	chr2	48870839	48871163	78766	Intergenic	NM_001100058	LOC797092	-0.360322949	4.187451497	-4.547774446	2.17E-07
peak_7324	chr7	46653169	46653576	73016	Intergenic	NM_001103194	uqcrfs1	1.44299439	5.991633055	-4.548638665	3.20E-10
peak_5272	chr5	21489239	21490008	-5716	Intergenic	NM_001126454	fam222a	2.324838852	6.874429025	-4.549590173	4.55E-12
peak_7377	chr24	10601844	10602344	67456	intron (NM_207078, intron 6 of 10)	NM_207078	fam49bb	2.247969535	6.799390083	-4.551420547	3.50E-10
peak_15768	chr16	57002423	57002863	16397	intron (NM_001039925, intron 6 of 11)	NM_001039925	rbm24b	0.944570835	5.496051804	-4.551480969	3.21E-06
peak_23963	chr25	16142659	16143105	-55893	intron (NM_131517, intron 11 of 15)	NM_001003985	syt9b	-0.360322949	4.191463551	-4.5517865	0.000253
peak_9372	chr2	29454320	29454602	28859	Intergenic	NM_207641	ptf1a	1.205700064	5.757531467	-4.551831403	7.05E-09
peak_12060	chr25	2745038	2745462	-82349	Intergenic	NM_001079965	adpgk	1.215200887	5.768588657	-4.55338777	1.42E-07
peak_11903	chr5	66654849	66655444	-1078	Intergenic	NM_001007457	prdm12b	3.073219981	7.626830093	-4.553610112	1.22E-07
peak_21618	chr18	27309218	27309490	46346	Intergenic	NM_001003735	zgc:92411	-0.360322949	4.193884833	-4.554207782	9.07E-05
peak_9140	chr17	36163284	36163723	-104768	Intergenic	NM_131336	sox11a	1.44299439	5.998882698	-4.555888308	5.08E-09
peak_7402	chr20	26345722	26346146	67041	Intergenic	NM_152959	esr1	1.831388386	6.38812131	-4.556732924	3.68E-10
peak_6035	chr20	28839191	28839541	9473	intron (NM_001002128, intron 3 of 11)	NM_001002128	fntb	1.426730103	5.983569324	-4.556839221	2.57E-11
peak_18833	chr5	49915992	49916272	36843	Intergenic	NR_029998		-0.360322949	4.196784221	-4.55710717	2.17E-05
peak_12222	chr5	49634626	49634917	123460	Intergenic	NM_001013453	ccnh	0.653720264	5.214239162	-4.560518898	1.67E-07
peak_23365	chr1	16231735	16232085	-37363	intron (NM_212967, intron 14 of 30)	NM_131877	casp3a	-0.360322949	4.201911045	-4.562233994	0.000195
peak_19704	chr6	39398803	39399068	7233	intron (NM_001045183, intron 1 of 25)	NM_001045183	scn8ab	0.625495796	5.187932961	-4.562437165	3.47E-05
peak_28329	chr23	3456889	3457465	-33622	Intergenic	NM_131015	mafba	-0.360322949	4.202722859	-4.563045808	0.001225
peak_13575	chr7	29460947	29461175	23502	intron (NM_173219, intron 2 of 3)	NM_173219	lmo1	0.234016866	4.798375427	-4.564358561	5.90E-07
peak_9331	chr23	21166202	21166771	14509	intron (NM_001146149, intron 4 of 8)	NM_001146149	pax7b	2.986785331	7.551690503	-4.564905172	6.64E-09
peak_17127	chr4	1394724	1395055	5551	intron (NM_001005944, intron 1 of 15)	NM_001005944	slc38a4	-0.360322949	4.205121542	-4.565444491	7.63E-06
peak_2853	chr5	19783286	19784412	82665	intron (NM_178304, intron 1 of 10)	NM_178304	zdhhc8b	2.800163388	7.366097934	-4.565934546	1.01E-15
peak_7669	chr11	7706202	7706622	-150040	Intergenic	NM_213367	eltd1	1.618352549	6.185596362	-4.567243812	5.72E-10
peak_8989	chr2	26874502	26874965	43594	Intergenic	NM_001002745	impa1	0.625495796	5.194066758	-4.568570962	4.16E-09
peak_4502	chr1	49799878	49800258	-59266	Intergenic	NM_131260	msxb	1.646715745	6.216517616	-4.569801871	5.37E-13
peak_4611	chr1	35517539	35518405	19775	intron (NM_001080012, intron 4 of 12)	NM_001080012	hhip	4.608367314	9.179538398	-4.571171085	7.39E-13
peak_21959	chr16	26494206	26494671	-60560	intron (NM_001007428, intron 5 of 7)	NM_200750	rps19	0.978440673	5.551432429	-4.572991757	0.000107
peak_9221	chr10	909077	909508	-76500	Intergenic	NM_001099984_1	unc5c	1.426730103	6.00061511	-4.573885007	5.70E-09
peak_15939	chr3	33268405	33268625	-17831	Intergenic	NM_131399	rarab	0.234016866	4.807952865	-4.573935999	3.60E-06
peak_2708	chr13	3205591	3206680	-37854	Intergenic	NM_001017635	park2	4.106785545	8.680758441	-4.573972896	4.69E-16
peak_3326	chr19	18443559	18444354	-256	promoter-TSS (NR_030124)	NR_030124		3.854460154	8.428860054	-4.574399901	7.71E-15
peak_1981	chr15	29123971	29124790	-20297	intron (NM_001076633, intron 10 of 10)	NR_030050		4.827567192	9.402134659	-4.574567467	5.46E-18
peak_22398	chr22	40499529	40499914	-20119	Intergenic	NM_200761	dnajc19	-0.360322949	4.215534885	-4.575857834	0.00013
peak_12889	chr22	3791973	3792513	56664	Intergenic	NM_001013507	timm44	1.243333623	5.820137058	-4.576803436	3.14E-07
peak_20304	chr19	3761637	3762026	-5475	Intergenic	NM_001100059	si:ch211-133n4.6	-0.360322949	4.216818556	-4.577141505	4.83E-05
peak_27100	chr4	51280363	51280912	-206031	Intergenic	NM_001109839_1	zgc:173617	-0.360322949	4.216943539	-4.577266488	0.000805
peak_6996	chr12	9790615	9791229	50841	intron (NM_213300, intron 11 of 18)	NM_213300	exoc6	3.208081142	7.785478881	-4.577397739	1.68E-10
peak_5834	chr20	38905006	38905444	25097	exon (NM_001002312, exon 37 of 48)	NR_030060		1.66069094	6.240735608	-4.580044668	1.63E-11
peak_3928	chr13	18921429	18921825	-37376	Intergenic	NM_001145606	lzts2a	1.967238845	6.54899306	-4.581754215	7.92E-14
peak_27072	chr2	9315551	9315865	-7	promoter-TSS (NM_001077791)	NM_001077791	zgc:153615	-0.360322949	4.222428437	-4.582751386	0.000794
peak_7065	chr9	1176226	1176765	139402	Intergenic	NM_001110451	stk24a	1.806462687	6.389720765	-4.583258078	1.96E-10
peak_11523	chr20	40039714	40040269	-225246	Intergenic	NM_001082853	rnf217	2.247969535	6.831326289	-4.583356753	8.40E-08
peak_28224	chr9	53049824	53050161	-136341	Intergenic	NM_001076600	tank	-0.360322949	4.223228791	-4.58355174	0.001182
peak_19155	chr9	14157366	14157680	147699	Intergenic	NM_001076586	abi2a	-0.360322949	4.223429152	-4.583752101	2.58E-05
peak_16232	chr13	27647643	27648170	-69983	Intergenic	NM_001114589	ddx43	1.205700064	5.790889666	-4.585189602	4.37E-06
peak_22413	chr5	36349084	36349387	-114712	Intergenic	NM_001114845	hexa	0.215200887	4.800567781	-4.585366894	0.000131
peak_13507	chr18	17936963	17937249	-128095	Intergenic	NM_199787	n4bp1	0.215200887	4.800587331	-4.585386444	5.58E-07
peak_18561	chr15	4240295	4240542	40363	intron (NM_131670, intron 2 of 6)	NM_131670	atp1b3b	-0.360322949	4.228148942	-4.588471891	1.84E-05
peak_5671	chr19	2443718	2444306	14996	Intergenic	NM_130984	twist1a	1.831388386	6.422321775	-4.590933388	1.14E-11
peak_6451	chr3	16056732	16057371	-23435	Intergenic	NM_200508	eftud2	1.646715745	6.237735095	-4.59101935	6.11E-11
peak_4931	chr13	28553601	28554325	-22735	Intergenic	NM_001025532	lbx1a	4.350994206	8.942278834	-4.591284628	1.85E-12
peak_29864	chr6	50006009	50006381	58748	intron (NM_205610, intron 3 of 9)	NM_212675	eif2s2	0.625495796	5.217273264	-4.591777468	0.001945
peak_3609	chr7	51041918	51042487	65988	Intergenic	NM_001020629	hrasb	2.818979367	7.412201189	-4.593221822	2.34E-14
peak_8386	chr23	7991177	7991588	207096	Intergenic	NM_001100145	kif3b	1.618352549	6.212059509	-4.59370696	1.81E-09
peak_14164	chr18	23428983	23429409	229869	Intergenic	NM_131183	nr2f2	-0.360322949	4.233837938	-4.594160887	9.59E-07
peak_6965	chr5	46596153	46596638	-22784	intron (NM_205628, intron 4 of 4)	NM_001005779	dmrt3a	2.636144784	7.23196152	-4.595816736	1.61E-10
peak_5652	chr25	2761484	2762046	-98864	Intergenic	NM_001079965	adpgk	1.618352549	6.214710646	-4.596358096	1.09E-11
peak_2525	chr3	30489251	30490532	81048	Intergenic	NM_001045859	mybpc2a	4.261855416	8.858846032	-4.596990616	1.71E-16
peak_13864	chr19	22518784	22519664	-27880	Intergenic	NM_001045150	sall3b	1.938847741	6.535967428	-4.597119688	7.48E-07
peak_20152	chr18	24371758	24372104	26040	Intergenic	NM_200850	lysmd4	-0.360322949	4.237429244	-4.597752193	4.47E-05
peak_6177	chr7	26425608	26426183	-65490	intron (NM_001076730, intron 20 of 21)	NM_212666	cyp26b1	1.831388386	6.429878717	-4.59849033	3.57E-11
peak_4754	chr3	56704479	56705074	87669	Intergenic	NM_131561	axin2	2.426730103	7.025461898	-4.598731795	1.10E-12
peak_19456	chr7	57173844	57174077	-187893	Intergenic	NM_212606	cdh15	0.234016866	4.832761566	-4.5987447	3.01E-05
peak_25834	chr25	23326395	23326811	15951	intron (NM_001045312, intron 5 of 16)	NM_001045312	stra6	-0.360322949	4.238824804	-4.599147753	0.000519
peak_8413	chr8	10694300	10694597	220212	Intergenic	NM_001077391	zgc:153997	0.955594936	5.55562689	-4.59967753	1.87E-09
peak_11408	chr1	27834443	27834677	-14449	intron (NM_213047, intron 15 of 20)	NM_001037434	poglut1	-0.360322949	4.240314414	-4.600637363	7.50E-08
peak_4139	chr14	37484505	37484990	17662	intron (NM_199532, intron 3 of 3)	NM_199532	elovl6	3.397697102	7.998792547	-4.601095446	1.63E-13
peak_26105	chr19	37120041	37120393	24350	intron (NM_001082901, intron 1 of 2)	NM_001082901	col8a2	-0.360322949	4.241001462	-4.601324411	0.000571
peak_16024	chr23	3114339	3114645	188927	Intergenic	NM_001089467	zgc:158828	-0.360322949	4.241090876	-4.601413825	3.84E-06
peak_6394	chr6	16080018	16081118	131580	Intergenic	NM_152964	gbx2	3.90687284	8.508333557	-4.601460716	5.45E-11
peak_10211	chr19	32870026	32870678	39605	intron (NM_001045026, intron 6 of 22)	NM_200086	gmnn	3.073219981	7.674920558	-4.601700577	1.96E-08
peak_8615	chr15	21362591	21362933	-34340	Intergenic	NM_001271624	tmem136a	0.653720264	5.256047576	-4.602327311	2.42E-09
peak_18548	chr2	33167544	33167824	5390	intron (NM_001014308, intron 2 of 6)	NM_001014308	ccdc24	-0.360322949	4.242291124	-4.602614073	1.83E-05
peak_5688	chr21	14240256	14240755	50417	Intergenic	NM_001003568	mzt2b	2.075829856	6.678650276	-4.60282042	1.18E-11
peak_4263	chr21	25782667	25783167	1	promoter-TSS (NM_205581)	NM_205581	tmsb	2.563403173	7.166620648	-4.603217475	2.38E-13
peak_8231	chr19	33085164	33085690	-37754	Intergenic	NM_212561	hey1	1.938847741	6.542255374	-4.603407634	1.41E-09

peak_3693	chr22	21317240	21317646	-46649	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	1.95594936	6.561558546	-4.605609186	3.26E-14
peak_21632	chr14	53013343	53013625	-102491	Intergenic	NM_199952	ube2d2l	-0.360322949	4.245455491	-4.60577844	9.13E-05
peak_4642	chr19	29521177	29522031	-246530	Intergenic	NM_213122	sox4a	2.552201346	7.158079906	-4.605878559	7.91E-13
peak_11155	chr3	42923227	42925336	-29058	Intergenic	NR_030106		3.2869161	7.892829816	-4.605913716	5.81E-08
peak_12983	chr9	23617959	23618249	-47028	Intergenic	NM_001126461	etv5a	-0.360322949	4.247208949	-4.607531898	3.45E-07
peak_9263	chr2	30353323	30354071	54877	intron (NM_001193651, intron 3 of 21)	NM_001193651	ctnnd2b	3.075829856	7.683435156	-4.6076053	6.00E-09
peak_3433	chr18	48178883	48179378	79279	Intergenic	NM_001007334	yif1b	3.557813132	8.16559643	-4.607783298	1.16E-14
peak_16583	chr13	26334165	26334381	257176	Intergenic	NM_001040391	bcl11aa	-0.360322949	4.247615924	-4.607938873	5.53E-06
peak_19691	chr25	15308607	15309035	1575	intron (NM_131304, intron 1 of 12)	NM_131304	pax6a	-0.360322949	4.24814928	-4.608472229	3.45E-05
peak_9949	chr1	8367209	8367569	1202	exon (NM_001020780, exon 2 of 3)	NM_001020780	uncx4.1	0.944570835	5.554184828	-4.609613993	1.48E-08
peak_18115	chr12	36403567	36403888	22754	Intergenic	NM_131566	prph2a	-0.360322949	4.250264913	-4.610587862	1.47E-05
peak_19524	chr22	22184786	22185074	-17696	intron (NM_001045036, intron 5 of 7)	NM_200423	aes	0.625495796	5.237631155	-4.61213536	3.14E-05
peak_2067	chr5	46981823	46982522	40856	intron (NM_001287096, intron 4 of 21)	NM_001287096	adamts3	4.343369665	8.955522576	-4.612152912	9.62E-18
peak_6454	chr23	21752707	21753930	-87	promoter-TSS (NM_001161408)	NM_001161408	her4.3	4.599378584	9.211617576	-4.612238992	6.13E-11
peak_8084	chr2	35287692	35288060	-27	promoter-TSS (NM_131036)	NM_131036	tnw	0.95594936	5.568313276	-4.612363916	1.11E-09
peak_16447	chr5	34172493	34172879	-49512	Intergenic	NM_212898	ntmt1	1.205700064	5.818295772	-4.612595708	5.09E-06
peak_4091	chr11	25189738	25190214	-33711	Intergenic	NM_001002102	pnp4a	2.735417151	7.348788215	-4.613371063	1.37E-13
peak_9516	chr18	23489050	23489388	169846	Intergenic	NM_131183	nr2f2	0.978440673	5.592351218	-4.613910546	8.51E-09
peak_5018	chr6	33100546	33100894	-134204	Intergenic	NM_201143	pik3r3b	1.831388386	6.446355767	-4.61496738	2.34E-12
peak_8478	chr22	18501374	18501655	22658	Intergenic	NR_029996		0.215200887	4.830959676	-4.615758789	2.04E-09
peak_13223	chr23	45383440	45383865	5128	Intergenic	NM_001004674	hmgb2b	1.205700064	5.822977631	-4.617277566	4.29E-07
peak_5625	chr9	5225063	5225809	124021	Intergenic	NM_001113590	tnfsf13b	2.075829856	6.693575507	-4.617745651	1.03E-11
peak_6658	chr18	23445375	23446123	213316	Intergenic	NM_131183	nr2f2	2.122017822	6.740549307	-4.618531485	9.10E-11
peak_5149	chr4	14435850	14436256	49791	intron (NM_001004495, intron 2 of 30)	NM_001004495	plxna4	1.831388386	6.450240071	-4.618851684	3.36E-12
peak_15511	chr1	13797446	13797817	-145729	Intergenic	NM_001076622	itln1	-0.360322949	4.259600411	-4.61992336	2.64E-06
peak_22376	chr15	42958005	42958270	7816	intron (NM_001076768, intron 3 of 3)	NM_001076768	lrtomt	-0.360322949	4.259662078	-4.619985027	0.000129
peak_4479	chr7	32896435	32897160	-120861	Intergenic	NM_001199362	cilp	2.657209812	7.27979328	-4.622583467	5.03E-13
peak_4710	chr18	12042148	12042872	18775	intron (NM_001099985, intron 1 of 13)	NM_001099985	hipk2	2.106785545	6.729496208	-4.622710662	9.60E-13
peak_10401	chr1	48740315	48740604	411733	Intergenic	NM_001077556	ccdc147	0.234016866	4.857175299	-4.623158433	2.44E-08
peak_22700	chr21	7388228	7388491	-96568	Intergenic	NM_201054	tbca	-0.360322949	4.26399821	-4.624321159	0.000148
peak_16320	chr12	34076552	34077001	32174	Intergenic	NM_001256805	LOC557756	-0.360322949	4.264471524	-4.624794473	4.65E-06
peak_9542	chr20	30286415	30286882	110144	Intergenic	NM_001002716	allc	3.137236739	7.766117897	-4.628881158	8.85E-09
peak_11118	chr18	24609043	24609646	-93965	Intergenic	NM_001045011	rgma	3.124540972	7.754899493	-4.630358521	5.58E-08
peak_17617	chr19	1678445	1678668	-19831	Intergenic	NM_001089516	lrrc3b	-0.360322949	4.270490747	-4.630813696	1.07E-05
peak_2976	chr25	15254669	15255216	55454	Intergenic	NM_131304	pax6a	2.44299439	7.074547451	-4.631553061	1.88E-15
peak_9875	chr8	16839765	16840318	-61578	intron (NM_212973, intron 13 of 18)	NM_001007064	dmrta2	2.751830549	7.383584915	-4.631754366	1.36E-08
peak_20370	chr3	34726739	34727103	13383	Intergenic	NM_194389	znfl1	-0.360322949	4.272649101	-4.63297205	5.02E-05
peak_14176	chr6	23052165	23052491	124647	intron (NM_001256241, intron 13 of 16)	NM_214684	cacng1	0.95594936	5.58906661	-4.63311725	9.70E-07
peak_21190	chr19	45347500	45347804	-12026	Intergenic	NM_213455	zgc:55573	-0.360322949	4.273189559	-4.633512508	7.39E-05
peak_9020	chr5	33168065	33168773	-60886	Intergenic	NM_198982	p2rx1	2.471023015	7.104679828	-4.633656813	4.32E-09
peak_3567	chr3	23675364	23676413	77307	Intergenic	NM_205716	casc3	3.154623552	7.790655554	-4.636032003	1.98E-14
peak_9438	chr12	37927391	37927792	-134727	Intergenic	NR_034207		0.234016866	4.872254798	-4.638237931	7.72E-09
peak_12879	chr9	27376106	27376597	239192	Intergenic	NM_131023	efnb2a	0.639677051	5.279770714	-4.640093663	3.11E-07
peak_2242	chr4	7329155	7329842	-105382	Intergenic	NM_001030152	si:ch211-240l19.!	3.636144784	8.276316954	-4.640172169	2.88E-17
peak_8126	chr5	22896862	22897431	13293	intron (NM_001039926, intron 1 of 1)	NM_001039926	hs3st1l2	1.618352549	6.259266862	-4.640914313	1.19E-09
peak_6440	chr11	44343522	44343997	75870	Intergenic	NM_212914	foxg1b	2.735417151	7.376605584	-4.641188433	6.02E-11
peak_11911	chr3	44259963	44260325	31583	Intergenic	NM_001002533_1	rab11fip4a	-0.360322949	4.28114508	-4.641468029	1.23E-07
peak_15742	chr16	12032100	12032413	9244	TTS (NM_205636)	NM_205636	ino80e	0.215200887	4.857973049	-4.642772162	3.16E-06
peak_2844	chr4	5399070	5399639	2280	intron (NM_001044841, intron 4 of 11)	NM_001044841	mapk12b	3.086222395	7.729911239	-4.643688844	9.68E-16
peak_1285	chr3	43295182	43296405	-54874	Intergenic	NM_200517	zfand2a	4.903895528	9.547962941	-4.644067413	1.19E-20
peak_7474	chr23	36070538	36071109	-15997	Intergenic	NM_001110166	calcoco1a	1.205700064	5.85007787	-4.644377806	4.09E-10
peak_8373	chr10	32419767	32420432	33097	intron (NM_131482, intron 2 of 26)	NM_131482	robo3	4.360595647	9.005495412	-4.644899765	1.76E-09
peak_8338	chr9	15576161	15576653	124464	Intergenic	NM_131520	fn1a	2.751830549	7.397232597	-4.645402048	1.67E-09
peak_2746	chr10	23897532	23898076	442504	intron (NM_200664, intron 1 of 10)	NM_200664	cadm2a	2.95594936	7.60242699	-4.64647763	5.68E-16
peak_7842	chr1	52357819	52358295	37059	Intergenic	NM_212969	dand5	0.978440673	5.626794904	-4.648354231	7.40E-10
peak_15943	chr23	21226028	21226344	74209	3' UTR (NM_001146149, exon 9 of 9)	NM_001146149	pax7b	-0.360322949	4.288827837	-4.649150786	3.61E-06
peak_28090	chr8	18844435	18844871	42483	Intergenic	NM_200255	dmap1	-0.360322949	4.289022151	-4.6493451	0.001137
peak_1832	chr15	14784742	14785334	-20234	Intergenic	NM_001077141	tada2a	4.632603848	9.283157651	-4.650553803	1.63E-18
peak_5124	chr18	22425670	22426342	39083	intron (NM_001135133, intron 2 of 6)	NM_001135133	bcar1	1.818979367	6.469994194	-4.651014827	3.16E-12
peak_18934	chr11	34009813	34010120	444865	Intergenic	NM_001024389	lims1	-0.360322949	4.291352174	-4.651675123	2.29E-05
peak_5992	chr16	27098274	27098665	-21946	Intergenic	NR_029985		1.434885166	6.090113446	-4.65522828	2.28E-11
peak_4620	chr7	54027666	54028804	-14677	Intergenic	NM_214816	tcf12	3.08363127	7.740347649	-4.656716379	7.51E-13
peak_12428	chr11	14421684	14422309	-18903	Intergenic	NM_001017859	palm1a	3.657311474	8.314585149	-4.657273675	2.05E-07
peak_20557	chr11	33500086	33500363	35277	intron (NM_001160822, intron 1 of 3)	NM_001160822	pcdh17	-0.360322949	4.259259051	-4.657582	5.48E-05
peak_2105	chr14	27688364	27688880	25295	Intergenic	NM_131041	neurog1	3.277877455	7.935816942	-4.657939487	1.20E-17
peak_4892	chr5	49810209	49810658	43137	TTS (NM_213371)	NM_213371	tmem161b	1.426730103	6.085108798	-4.658378695	1.69E-12
peak_25905	chr22	33152566	33152974	16108	Intergenic	NM_001126460	si:dkey-169i5.4	0.215200887	4.873587216	-4.658386329	0.000533
peak_4681	chr14	28923796	28924800	127523	Intergenic	NM_200569	tsc22d3	2.978440673	7.637496441	-4.659055768	8.90E-13
peak_23998	chr15	13750987	13751276	-71011	exon (NM_001012375, exon 5 of 9)	NM_001030204	dpf1	-0.360322949	4.299141176	-4.659464125	0.000256
peak_3057	chr18	26477978	26478431	200217	Intergenic	NM_001007395	def8	2.219927938	6.879508076	-4.659580138	2.54E-15
peak_20772	chr17	40570306	40570657	467684	Intergenic	NM_001013292	supt7l	0.653720264	5.313995266	-4.660275002	6.03E-05
peak_9368	chr15	4297334	4297635	-16703	intron (NM_198208, intron 10 of 13)	NM_131670	atp1b3b	0.625495796	5.286463578	-4.660967782	7.01E-09
peak_7864	chr23	23950020	23950648	170334	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	2.784293744	7.445361016	-4.661067272	7.64E-10
peak_34835	chr1	1209928	1211193	-64788	Intergenic	NR_039328		-0.360322949	4.302808527	-4.663131476	0.006608
peak_11457	chr25	23303289	23303754	-7131	Intergenic	NM_001045312	stra6	2.31603542	6.979352852	-4.663317432	7.89E-08
peak_11170	chr5	5273672	5274079	-62236	Intergenic	NM_001076606	mvb12ba	0.944570835	5.608322542	-4.663751707	5.88E-08
peak_17588	chr6	31885026	31885291	-99193	Intergenic	NM_131290	foxd3	-0.360322949	4.303962742	-4.664285691	1.05E-05
peak_3366	chr7	40094803	40095445	11535	Intergenic	NM_001020702	fbxo3	2.44299439	7.109004524	-4.666010134	9.07E-15
peak_1926	chr8	53126220	53127257	45779	Intergenic	NM_001123044	bin3	4.540911861	9.207311554	-4.666399693	3.68E-18
peak_7910	chr1	4101203	4101697	-71799	Intergenic	NM_001003842	spry2	2.664163689	7.332182358	-4.668018669	8.27E-10
peak_4641	chr5	23823767	23824129	12232	exon (NM_200394, exon 6 of 14)	NM_200394	mtmr8	1.639677051	6.308211395	-4.668534344	7.89E-13
peak_22228	chr6	31572858	31573146	144368	Intergenic	NM_201025	pgm1	-0.360322949	4.308866411	-4.66918936	0.000121
peak_12464	chr22	24584348	24584945	-32596	Intergenic	NR_029937		3.567226082	8.236937944	-4.669711862	2.12E-07
peak_7335	chr20	13879100	13879378	-4991	Intergenic	NM_001080631	rd3	0.653720264	5.324566567	-4.670846303	3.24E-10
peak_5251	chr12	36814255	36814682	-50358	Intergenic	NM_200770	fscn2b	1.787481669	6.460113075	-4.672631406	4.24E-12
peak_4114	chr21	23401336	23401885	170710	intron (NM_001113551, intron 1 of 11)	NM_001113551	cadm1a	2.953113131	7.626118031	-4.673004899	1.46E-13
peak_8629	chr23	8090033	8090401	-196627	Intergenic	NM_001030258	LOC571123	0.234016866	4.907591699	-4.673574833	2.45E-09
peak_12137	chr13	10058691	10059552	-127332	Intergenic	NM_001145616	prepl	3.313826142	7.989332152	-4.67550601	1.54E-07
peak_1384	chr8	24618079	24618958	14759	Intergenic	NM_001126422	zgc:195245	5.411223569	10.08772501	-4.676501445	3.31E-20
peak_22085	chr24	43061953	43062258	17817	Intergenic	NM_001003428	crygn2	-0.360322949	4.316262513	-4.676585462	0.000113
peak_21146	chr10	836960	837410	-148607	Intergenic	NM_001099984_1	unc5c	-0.360322949	4.318035768	-4.678358717	7.21E-05
peak_17576	chr20	28701370	28701579	-36721	exon (NM_001281792, exon 12 of 21)	NM_001035263	rgs6	-0.360322949	4.318839128	-4.679162077	1.04E-05
peak_11900	chr9	8355905	8356276	-82492	Intergenic	NM_001109720	zgc:171776	-0.360322949	4.319987926	-4.680310875	1.22E-07
peak_14529	chr1	9603944	9604325	45557	intron (NM_152956, intron 4 of 12)	NM_001039805	tnrc5	-0.360322949	4.320793176	-4.681116125	1.28E-06
peak_7194	chr14	21922276	21922942	-8522	Intergenic	NM_199273	zgc:66433	2.200926086	6.882558295	-4.681632209	2.50E-10
peak_8635	chr2	46676462	46676755	-233869	Intergenic	NM_201020_1	gpc1b	0.653720264	5.336719733	-4.682999468	2.46E-09
peak_2607	chr6	44027790	44028669	-52618	intron (NM_001080600, intron 11 of 11)	NM_001012373	rybpb	4.837642815	9.522497161	-4.684854346	2.75E-16
peak_26876	chr13	51806627	51807093	20297	Intergenic	NM_001014817	dntt	-0.360322949	4.324608618	-4.684931567	0.000746
peak_2156	chr17	30255175	30255660	-8951	Intergenic	NM_001142264	spata17	3.104231123	7.790176976	-4.685945853	1.62E-17
peak_3536	chr11	43137689	43138873	-34695	Intergenic	NM_001105592	her15.2	5.236351702	9.922640398	-4.686288697	1.80E-14
peak_11644	chr5	5564458	5564888	-353034	Intergenic	NM_001076606	mvb12ba	-0.360322949	4.326853142	-4.687176091	9.39E-08
peak_5811	chr6	18104283	18105042	105844	intron (NM_131029, intron 4 of 5)	NM_131029	ntn1a	2.825197218	7.512392042	-4.687194824	1.55E-11
peak_18533	chr4	14446036	14446389	39632	intron (NM_001004495, intron 2 of 30)	NM_001004495	plxna4	-0.360322949	4.32721458	-4.687537529	1.82E-05
peak_6926	chr1	29459682	29460072	-15361	Intergenic	NM_001089374	LOC557028	0.625495796	5.313076968	-4.687581172	1.49E-10
peak_8691	chr8	18001604	18002022	34033	intron (NM_130935, intron 1 of 6)	NM_130935	skia	0.653720264	5.341606421	-4.687886156	2.67E-09

peak_1762	chr7	29248259	29250010	235429	Intergenic	NM_173219	lmo1	5.636586791	10.32622642	-4.689639626	9.13E-19
peak_6292	chr12	29047430	29047787	14360	Intergenic	NM_001002450	meox1	1.467052111	6.157051658	-4.689999547	4.49E-11
peak_32865	chr20	684712	685263	5994	exon (NM_001040331, exon 2 of 5)	NM_001040331	nrl	-0.360322949	4.329805776	-4.690128725	0.004245
peak_4205	chr16	41363335	41364118	38458	intron (NM_213544, intron 7 of 10)	NM_213544	emc2	3.241010068	7.931460292	-4.690450223	2.03E-13
peak_5822	chr13	26184882	26185322	108005	Intergenic	NM_001040391	bcl11aa	1.467052111	6.157943587	-4.690891476	1.58E-11
peak_18157	chr9	24133523	24133770	18049	intron (NM_001004670, intron 1 of 4)	NM_001004670	lypd6	-0.360322949	4.331080097	-4.691403046	1.49E-05
peak_1536	chr22	18489295	18490244	10913	Intergenic	NR_029996		5.24745839	9.940204171	-4.692745781	1.61E-19
peak_2365	chr16	23194811	23195363	-72642	Intergenic	NM_001110396	snx10b	3.104231123	7.797539019	-4.693307897	6.75E-17
peak_13018	chr17	34748396	34748930	-224406	Intergenic	NM_201291	id2a	1.938847741	6.633083886	-4.694236146	3.60E-07
peak_2897	chr23	7935227	7935658	151156	Intergenic	NM_001100145	kif3b	2.722150645	7.417743585	-4.69559294	1.28E-15
peak_5740	chr3	40425544	40426433	98576	Intergenic	NM_181601	actb2	1.787481669	6.483412677	-4.695931008	1.32E-11
peak_9525	chr22	40350273	40350618	-14761	Intergenic	NM_213118	sox2	0.978440673	5.676841766	-4.698401093	8.61E-09
peak_3956	chr5	42900294	42900945	25513	intron (NM_001102673, intron 3 of 7)	NM_001102673	npr3	3.291414275	7.990524725	-4.69911045	8.91E-14
peak_24517	chr5	51837173	51837520	-15799	Intergenic	NM_200418	fam172a	-0.360322949	4.340236736	-4.700559685	0.000319
peak_5558	chr21	20389630	20390110	12790	intron (NM_001014304, intron 2 of 6)	NM_001014304	pvrl3b	1.938847741	6.639862495	-4.701014754	8.91E-12
peak_18366	chr7	9653071	9653321	34903	intron (NM_194409, intron 2 of 2)	NM_194409	vax2	-0.360322949	4.341049897	-4.701372846	1.67E-05
peak_8693	chr5	21391193	21391911	-103787	Intergenic	NM_001126454	fam222a	2.784293744	7.489483579	-4.705189835	2.68E-09
peak_7333	chr2	31758938	31759469	25047	Intergenic	NM_200172	mycb	2.664163689	7.369967384	-4.705803695	3.24E-10
peak_2945	chr7	22183206	22183971	48687	intron (NM_131806, intron 1 of 4)	NM_131806	efnb3b	3.781005458	8.488536065	-4.707530607	1.61E-15
peak_20347	chr22	20094194	20094510	135714	intron (NM_001130788, intron 3 of 10)	NM_199573	rgmd	-0.360322949	4.348689915	-4.709012864	4.95E-05
peak_17631	chr2	37104459	37104701	17831	intron (NM_131855, intron 8 of 17)	NM_131855	prkci	-0.360322949	4.349257817	-4.709580766	1.08E-05
peak_20768	chr9	43146968	43147341	8074	intron (NM_001020731, intron 1 of 7)	NM_001020731	pcbp3	-0.360322949	4.349781616	-4.710104565	6.02E-05
peak_8475	chr20	32487074	32487579	-2049	Intergenic	NM_001003608	nr2e1	1.243333623	5.956729523	-4.7133959	2.03E-09
peak_3311	chr5	66868561	66869683	43956	Intergenic	NM_001002470	surf4l	4.109335453	8.822850003	-4.713514551	6.99E-15
peak_2051	chr20	33955463	33956010	8789	intron (NM_001025498, intron 1 of 6)	NM_001025498	lmx1a	2.961605146	7.677881612	-4.716276467	8.90E-18
peak_20058	chr21	7753867	7754430	-22751	intron (NM_001033720, intron 6 of 8)	NM_212834	nr5a1b	-0.360322949	4.358530116	-4.718853065	4.27E-05
peak_6721	chr7	73861330	73861868	26758	intron (NM_001115141, intron 6 of 13)	NM_001115141	dhx15	1.787481669	6.507197238	-4.719715569	1.04E-10
peak_6585	chr21	18839238	18839595	-91674	Intergenic	NM_212709	ppp1r3b	1.426730103	6.146726428	-4.719996325	7.92E-11
peak_7137	chr17	15279860	15280222	5274	Intergenic	NM_131605	fabp7a	0.978440673	5.699007229	-4.720566556	2.24E-10
peak_18283	chr11	2085950	2086194	-2338	intron (NM_200495, intron 6 of 12)	NM_200121	tceb3	0.215200887	4.935980621	-4.720779734	1.60E-05
peak_3075	chr17	19427998	19428807	28050	Intergenic	NM_001037575	reep3a	4.217566349	8.938729409	-4.72116306	2.74E-15
peak_28752	chr5	17334698	17335023	68361	Intergenic	NM_001003493	suds3	-0.360322949	4.361150077	-4.721473027	0.001396
peak_9818	chr19	33214432	33215091	64969	intron (NM_001044918, intron 4 of 8)	NM_001045021	tpd52	2.702019304	7.424660357	-4.722641053	1.27E-08
peak_19995	chr5	412546	413096	75610	Intergenic	NM_200293	ddrgk1	-0.360322949	4.367709937	-4.728032886	4.11E-05
peak_2910	chr22	18502247	18503237	23886	Intergenic	NR_029996		4.652023337	9.380116178	-4.728092841	1.34E-15
peak_22362	chr24	41897637	41897983	-315432	Intergenic	NM_001077598	aoc1	-0.360322949	4.368778545	-4.729101494	0.000128
peak_12056	chr3	18290438	18291331	-5811	Intergenic	NM_205616	cbx8a	-0.360322949	4.368890159	-4.729213108	1.41E-07
peak_14349	chr7	53764936	53765231	-54745	Intergenic	NM_001144979	gnrhr2	-0.360322949	4.369947936	-4.730270885	1.10E-06
peak_20200	chr20	39008354	39008830	73606	intron (NM_001082893, intron 2 of 5)	NM_001082893	si:dkey-221h15.1	0.653720264	5.387770454	-4.73405019	4.59E-05
peak_4082	chr7	47241965	47242401	-331107	Intergenic	NM_001020749	pop4	1.800163388	6.534419914	-4.734256526	1.34E-13
peak_25134	chr15	26661371	26661749	-51726	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	-0.360322949	4.374268363	-4.734591313	0.000406
peak_6764	chr25	10913001	10913473	24299	intron (NM_001177458, intron 5 of 20)	NM_001177458	lrp5	1.825197218	6.559815831	-4.734618613	1.11E-10
peak_20095	chr17	31571194	31571497	-28825	Intergenic	NM_001006660	ltk	-0.360322949	4.374849706	-4.735172655	4.35E-05
peak_26605	chr7	20323293	20323675	34544	intron (NM_212868, intron 1 of 15)	NM_212868	kirrela	-0.360322949	4.375510261	-4.735833211	0.000676
peak_11673	chr5	34714989	34715285	-75225	Intergenic	NM_213490	zgc:55461	0.653720264	5.392045233	-4.738324968	9.60E-08
peak_7694	chr16	24999294	24999843	-43802	Intergenic	NM_001079956	pbxip1b	2.664163689	7.402589714	-4.738426026	5.92E-10
peak_15069	chr4	14731542	14731786	60428	intron (NM_001030134, intron 9 of 17)	NM_001030134	exoc4	-0.360322949	4.381317483	-4.741640432	1.90E-06
peak_7151	chr1	42744420	42744947	82447	intron (NM_001159372, intron 1 of 15)	NM_001159372	ctnna2	2.42263522	7.164667585	-4.742032365	2.27E-10
peak_11168	chr3	50031623	50031822	28095	Intergenic	NM_001080569	hs3st3b1a	-0.360322949	4.382853006	-4.743175955	5.88E-08
peak_4707	chr23	39005124	39005894	-40559	Intergenic	NM_001080609	sall4	4.645010553	9.388548687	-4.743538134	9.47E-13
peak_17870	chr21	3484169	3484587	204991	Intergenic	NM_175082	smad7	-0.360322949	4.383559141	-4.74388209	1.26E-05
peak_8189	chr24	28446095	28447175	27894	intron (NM_131095, intron 3 of 16)	NM_131095	ek1	2.751830549	7.49625597	-4.74442542	1.31E-09
peak_13215	chr7	38839898	38841383	71203	Intergenic	NM_001146014	sall1a	3.782697136	8.527717214	-4.745020077	4.26E-07
peak_20323	chr18	20070949	20071262	63587	Intergenic	NM_131012	gro2	-0.360322949	4.385281232	-4.745604181	4.88E-05
peak_27890	chr22	11498084	11498417	50400	Intergenic	NM_200832	mid1ip1b	-0.360322949	4.385604557	-4.745927506	0.001062
peak_14014	chr7	54547871	54548598	-29078	Intergenic	NM_131025	ccnd1	2.075829856	6.824935837	-4.749105981	8.55E-07
peak_1446	chr16	45741622	45743001	5830	intron (NM_173225, intron 21 of 22)	NR_030047		5.263034397	10.01277372	-4.749739321	6.51E-20
peak_2165	chr2	35521544	35522381	-53113	Intergenic	NM_001201444	dhx9	4.629054199	9.380074493	-4.751020294	1.82E-17
peak_5888	chr16	26310647	26310932	64020	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	1.215200887	5.968886532	-4.753685645	1.86E-11
peak_5258	chr5	39467145	39467702	12454	Intergenic	NM_131056	ins	3.052014612	7.806707107	-4.754692495	4.37E-12
peak_19450	chr8	38147229	38147582	8646	intron (NM_001126443, intron 8 of 10)	NM_001126443	renbp	-0.360322949	4.394444414	-4.754767363	3.00E-05
peak_5923	chr18	19397337	19397692	-31418	Intergenic	NM_001045051	LOC564395	1.467052111	6.222958434	-4.755906322	1.98E-11
peak_8208	chr2	2570025	2570623	18856	intron (NM_001135042, intron 1 of 13)	NM_001135042	dab1b	1.984009138	6.739977989	-4.755968851	1.36E-09
peak_1283	chr11	28361443	28362461	15345	Intergenic	NM_001025540	wnt7aa	4.334678924	9.090894911	-4.756215986	1.15E-20
peak_1208	chr12	23647542	23648593	33687	intron (NM_001114552, intron 2 of 3)	NM_001114552	wnt3	5.012334216	9.769578418	-4.757244203	4.62E-21
peak_7337	chr9	35553888	35554381	-58407	Intergenic	NM_001126411	shox	1.938847741	6.696887325	-4.758039584	3.25E-10
peak_12538	chr6	22448336	22448622	-146404	Intergenic	NM_001098754	igfbp5b	0.215200887	4.974266758	-4.759065871	2.27E-07
peak_3085	chr13	37517357	37517958	79570	Intergenic	NM_174862	esr2b	3.602044119	8.361493703	-4.759449584	2.81E-15
peak_5982	chr19	1194188	1194623	-51385	Intergenic	NM_001113601	scrt1a	1.938847741	6.699981521	-4.76113378	2.25E-11
peak_9729	chr14	25291404	25291856	14351	Intergenic	NM_212645	hnrnpa0a	1.215200887	5.977253245	-4.762052357	1.14E-08
peak_9595	chr7	57187247	57187772	-174344	Intergenic	NM_212606	cdh15	3.19853316	7.960724337	-4.762191176	9.52E-09
peak_4658	chr16	49319251	49319896	-39026	Intergenic	NM_131186	nr2f5	2.533336158	7.2959543	-4.762618143	8.28E-13
peak_7408	chr7	20695626	20695856	9829	exon (NM_001017654, exon 10 of 10)	NM_001017654	ttc5	0.625495796	5.388503357	-4.763007561	3.70E-10
peak_5202	chr7	35151337	35151970	-133380	Intergenic	NM_131780	gro1	2.31603542	7.079519227	-4.763483807	3.80E-12
peak_6210	chr18	23628886	23629177	30034	Intergenic	NM_131183	nr2f2	0.653720264	5.418749327	-4.765029063	3.80E-11
peak_3287	chr15	32814353	32815720	-11445	Intergenic	NM_152974	mab21l1	5.119564041	9.885158171	-4.765594129	6.48E-15
peak_16393	chr20	16282892	16283103	-19406	Intergenic	NM_212788	echdc2	-0.360322949	4.405457264	-4.765780213	4.88E-06
peak_2587	chr13	5212745	5213504	32822	intron (NM_131893, intron 7 of 12)	NM_131893	meis1	3.537128982	8.302992702	-4.765863721	2.34E-16
peak_2788	chr22	16349745	16350507	19753	intron (NM_001100086, intron 8 of 10)	NM_001100086	slc30a7	3.166915653	7.934158487	-4.767242834	7.20E-16
peak_3461	chr10	21719429	21719927	-12355	intron (NM_001024099, intron 3 of 3)	NM_001020804	pcdh1g1	2.106785545	6.87423192	-4.767446375	1.28E-14
peak_6183	chr1	27470713	27471260	91234	Intergenic	NM_131197	ednrb1a	1.434885166	6.203275439	-4.768390273	3.61E-11
peak_2404	chr7	34696698	34697302	-12488	Intergenic	NM_199986	anp32a	2.877168754	7.648208207	-4.771039453	8.34E-17
peak_18351	chr8	19553163	19553543	-135191	Intergenic	NM_001082819	rorca	0.215200887	4.987376141	-4.772175254	1.66E-05
peak_4580	chr5	29755943	29756403	38136	Intergenic	NM_001017802	zgc:110329	1.787481669	6.561039836	-4.773558167	6.68E-13
peak_6780	chr4	16544310	16545390	-47664	Intergenic	NM_001045096	recql	4.052014612	8.826030281	-4.774015669	1.13E-10
peak_8277	chr14	25143142	25143642	-32833	Intergenic	NM_200981	cpeb4	1.618352549	6.394832558	-4.776480008	1.54E-09
peak_7378	chr16	37058930	37059358	-5245	Intergenic	NM_183345	paqr7b	1.205700064	5.98627928	-4.780579215	3.50E-10
peak_7797	chr24	4195528	4195852	30902	Intergenic	NM_201461	klf6a	1.426730103	6.21003966	-4.783309557	6.85E-10
peak_3023	chr7	38649842	38651236	-118898	Intergenic	NM_001146014	sall1a	3.756813261	8.54215067	-4.785337409	2.25E-15
peak_27904	chr14	395344	395693	75794	Intergenic	NM_001017768	cops6	-0.360322949	4.425050217	-4.785373167	0.001067
peak_2815	chr14	27686881	27687930	26512	Intergenic	NM_131041	neurog1	4.576416744	9.361854327	-4.785437583	8.24E-16
peak_10213	chr2	23270059	23270544	-28323	Intergenic	NM_213059	crsp7	3.250281917	8.037097032	-4.786815115	1.97E-08
peak_4330	chr13	32176592	32177296	-14853	Intergenic	NM_173273	diexf	2.463070247	7.250285902	-4.787215655	3.00E-13
peak_6595	chr15	26386043	26386439	109409	intron (NM_200622, intron 15 of 24)	NM_200622	bcas3	0.944570835	5.733615746	-4.789044911	7.98E-11
peak_4702	chr7	38638870	38639470	-130267	Intergenic	NM_001146014	sall1a	2.742004936	7.531930741	-4.789925806	9.41E-13
peak_8898	chr17	12561722	12562060	-53	promoter-TSS (NM_001002563)	NM_001002563	stmn4l	0.625495796	5.416438466	-4.79094267	3.62E-09
peak_17266	chr2	37701630	37702021	1209	intron (NM_001161488, intron 1 of 2)	NM_001161488	pcp4l1	-0.360322949	4.431368581	-4.79169153	8.36E-06
peak_6832	chr7	26395853	26396204	93198	intron (NM_001076730, intron 15 of 21)	NM_001076730	exoc6b	0.653720264	5.446483862	-4.792763598	1.25E-10
peak_7495	chr18	17933855	17934330	-131109	Intergenic	NM_199787	n4bp1	1.426730103	6.22117292	-4.794442817	4.28E-10
peak_2532	chr5	19481321	19481930	-77362	Intergenic	NM_001100015	chfr	2.958780025	7.753777912	-4.794997888	1.75E-16
peak_18350	chr11	4568773	4569079	255750	Intergenic	NM_001077310		-0.360322949	4.436220515	-4.796543464	1.66E-05
peak_11255	chr5	35021074	35021516	57562	intron (NM_001128527, intron 3 of 28)	NM_001128527	garnl3	0.215200887	5.012723992	-4.797523105	6.36E-08
peak_12145	chr17	22286719	22287047	75620	intron (NM_001039144, intron 1 of 5)	NM_001039144	slc8a1b	-0.360322949	4.438123683	-4.798446632	1.55E-07
peak_18007	chr13	26259273	26259659	182369	Intergenic	NM_001040391	bcl11aa	0.234016866	5.033969519	-4.799952653	1.37E-05
peak_8486	chr7	38261342	38261815	240657	Intergenic	NR_036681		1.984009138	6.785142964	-4.801133826	2.06E-09

peak_1595	chr23	31029481	31030021	-26853	Intergenic	NM_001039921	pcmtd2	3.893534166	8.697363668	-4.803829502	2.47E-19
peak_12745	chr1	53704231	53704538	51053	Intergenic	NM_001039565	il15	-0.360322949	4.444405199	-4.804728148	2.76E-07
peak_28695	chr23	3768218	3768563	4227	intron (NM_001289906, intron 4 of 4)	NM_001289907	hmga1a	-0.360322949	4.444583998	-4.804906947	0.001368
peak_2962	chr8	33248470	33249023	10866	intron (NM_199813, intron 7 of 7)	NM_199813	mthfd2l	2.806462687	7.613082124	-4.806619437	1.74E-15
peak_1053	chr7	47994126	47995809	365374	Intergenic	NM_130995	ccne1	5.421036764	10.22929695	-4.808260185	5.84E-22
peak_28562	chr7	28268346	28268689	101283	Intergenic	NM_001002079	rps13	-0.360322949	4.44823205	-4.808554999	0.001317
peak_14033	chr23	9958566	9958880	11689	exon (NM_199641, exon 3 of 20)	NM_199641	prkcbp1l	-0.360322949	4.448286807	-4.808609756	8.67E-07
peak_18079	chr13	50335089	50335351	87700	Intergenic	NM_199981	irf2bp2a	-0.360322949	4.448349078	-4.808672027	1.43E-05
peak_5604	chr4	7614187	7614741	-24066	Intergenic	NM_130937	wnt5b	2.122017822	6.931786286	-4.809768464	9.97E-12
peak_6412	chr7	44654450	44655010	-8214	Intergenic	NM_213493	dnaja2	1.618352549	6.428637912	-4.810285363	5.72E-11
peak_11023	chr11	39239689	39240166	100999	Intergenic	NR_034195		0.625495796	5.435918658	-4.810422862	5.05E-08
peak_6973	chr17	34793583	34794002	-179277	Intergenic	NM_201291	id2a	0.653720264	5.464876425	-4.81115616	1.62E-10
peak_3587	chr22	18476976	18477356	-1690	Intergenic	NR_029996		2.096540606	6.908444075	-4.811903469	2.09E-14
peak_5640	chr5	58098374	58098845	-175571	Intergenic	NM_001102384	tbx2a	0.978440673	5.791226013	-4.81278534	1.08E-11
peak_7349	chr16	25900516	25900864	129747	Intergenic	NM_131596	adar	0.653720264	5.466922087	-4.813201822	3.32E-10
peak_31061	chr20	52619780	52620684	33743	intron (NM_200890, intron 9 of 12)	NM_200890	naprt1	-0.360322949	4.453681378	-4.814004327	0.002658
peak_7105	chr10	41470635	41470935	-179323	Intergenic	NM_001080188	git2b	0.625495796	5.442591792	-4.817095996	2.14E-10
peak_11501	chr18	23073079	23073391	98654	intron (NM_131301, intron 4 of 9)	NM_131301	mef2aa	-0.360322949	4.457685348	-4.818008297	8.23E-08
peak_12040	chr21	36856041	36856522	79472	intron (NM_001007405_1, intron 7 of 11)	NM_001039108	ripply1	1.426730103	6.245063224	-4.81833312	1.39E-07
peak_3258	chr11	28787727	28788396	-57823	Intergenic	NM_201007	alpl	4.65197232	9.470384569	-4.818412249	5.78E-15
peak_17322	chr15	3455577	3455930	61834	Intergenic	NM_001077257	foxo1a	-0.360322949	4.458490899	-4.818813848	8.64E-06
peak_6930	chr22	18472503	18472907	-6151	Intergenic	NR_029996		1.938847741	6.758080394	-4.819232653	1.50E-10
peak_5377	chr5	2671990	2672422	-126256	Intergenic	NM_201167	hpda	1.831388386	6.652286691	-4.820898304	5.51E-12
peak_6574	chr2	32702498	32703155	138311	Intergenic	NM_001002637	tmem53	1.787481669	6.608661076	-4.821179407	7.72E-11
peak_11997	chr18	20785093	20785402	42257	intron (NM_152968, intron 2 of 20)	NM_152968	igf1ra	-0.360322949	4.462482223	-4.822805172	1.35E-07
peak_23573	chr9	35560279	35560600	-52102	Intergenic	NM_001126411	shox	-0.360322949	4.463742011	-4.82406496	0.000213
peak_1481	chr24	42947337	42948459	19543	intron (NM_131210, intron 1 of 12)	NM_131210	acvr2b	4.667678564	9.491883735	-4.824205172	9.21E-20
peak_12642	chr4	14428499	14429309	56940	intron (NM_001004495, intron 2 of 30)	NM_001004495	plxna4	2.075829856	6.900424612	-4.824594757	2.48E-07
peak_8453	chr8	15818504	15819084	3685	intron (NM_001017814, intron 6 of 12)	NM_001017814	spata6	1.205700064	6.030299662	-4.824599598	1.97E-09
peak_18303	chr3	33212389	33212708	38136	intron (NM_131399, intron 2 of 7)	NM_131399	rarab	-0.360322949	4.464462839	-4.824785788	1.62E-05
peak_34429	chr21	7602446	7603176	57143	Intergenic	NM_001030261	wdr41	-0.360322949	4.465164313	-4.825487262	0.006091
peak_1233	chr4	11684521	11686027	4681	intron (NM_001020739, intron 1 of 3)	NM_001020739	lmo3	5.120159438	9.946971012	-4.826811573	6.65E-21
peak_14310	chr15	29704349	29704630	42	promoter-TSS (NM_001113501)	NM_001113501	nos2b	-0.360322949	4.467850875	-4.828173824	1.07E-06
peak_17493	chr18	41136873	41137400	40236	Intergenic	NM_001007388	ttc36	-0.360322949	4.467937246	-4.828260195	9.72E-06
peak_27270	chr16	56116249	56116573	-1371	Intergenic	NM_152960	fabp10a	-0.360322949	4.468264719	-4.828587668	0.000854
peak_7620	chr3	17862350	17862705	55609	Intergenic	NM_198363	tob1a	0.234016866	5.062810037	-4.828793171	5.33E-10
peak_12788	chr24	23863729	23863957	415489	Intergenic	NM_001075111	hnf4g	-0.360322949	4.469424972	-4.829747921	2.87E-07
peak_7936	chr5	64770094	64770418	49904	intron (NM_199919, intron 20 of 21)	NM_199919	ap2b1	0.215200887	5.046222576	-4.831021689	8.65E-10
peak_29782	chr14	23033076	23033328	-14703	Intergenic	NM_212802	ssrp1a	-0.360322949	4.47093412	-4.831257069	0.001909
peak_20538	chr4	5832009	5832373	110713	intron (NM_001030082, intron 13 of 20)	NM_001159823	lyrm5a	-0.360322949	4.470940159	-4.831263108	5.39E-05
peak_4739	chr13	32929525	32929971	20032	intron (NM_001002351, intron 1 of 7)	NM_001002351	pdss2	2.657209812	7.490578217	-4.833368404	1.05E-12
peak_1403	chr1	28784366	28785154	-18529	Intergenic	NM_001001820	zic2b	4.701970026	9.535521888	-4.833551862	3.90E-20
peak_11313	chr15	13274346	13274568	131170	Intergenic	NM_199847	fxyd6	0.234016866	5.068364914	-4.834348047	6.76E-08
peak_988	chr7	17837257	17838169	-33837	Intergenic	NM_131681	htatip2	4.522798387	9.357281043	-4.834482656	1.94E-22
peak_6954	chr15	35289043	35289380	88277	Intergenic	NM_001017614	rhbdd1	1.205700064	6.041022828	-4.835322764	1.57E-10
peak_5846	chr15	28062538	28063285	-36373	Intergenic	NM_200018	blmh	3.981227592	8.818675889	-4.837448297	1.67E-11
peak_10253	chr11	18118551	18118891	94795	intron (NM_001077273, intron 4 of 5)	NM_001077273	fam19a4b	-0.360322949	4.477250145	-4.837573094	2.07E-08
peak_9967	chr4	17742779	17743592	-20740	Intergenic	NR_029978		3.137236739	7.974828335	-4.837591596	1.50E-08
peak_5419	chr21	21814462	21814897	-5967	Intergenic	NM_001245987	gig2d	0.639677051	5.47739471	-4.83771766	6.28E-12
peak_28001	chr4	53545586	53546330	28888	intron (NM_001109740, intron 1 of 2)	NM_001114418	zgc:174704	-0.360322949	4.477620848	-4.837943797	0.001104
peak_20736	chr4	7542638	7543113	-5096	intron (NM_130937, intron 2 of 5)	NM_001015043	fbxl14b	-0.360322949	4.477724014	-4.838046963	5.95E-05
peak_17740	chr6	16083996	16084334	135177	Intergenic	NM_152964	gbx2	-0.360322949	4.478538986	-4.838861935	1.16E-05
peak_34304	chr17	52484315	52484640	-65044	Intergenic	NM_001040406	numb	-0.360322949	4.479737109	-4.840060058	0.005914
peak_27717	chr5	27121800	27122024	-100216	Intergenic	NM_001082856	rorb	-0.360322949	4.479816001	-4.84013895	0.000997
peak_1253	chr5	51894061	51895589	-73278	Intergenic	NM_200418	fam172a	4.422575411	9.262978906	-4.840403495	8.48E-21
peak_19759	chr16	29599223	29599615	-12537	Intergenic	NM_001007449	stx17	-0.360322949	4.481291534	-4.841614483	3.57E-05
peak_3120	chr10	28444566	28445260	265884	Intergenic	NM_001020542	ints2	3.947423891	8.790198605	-4.842774715	3.16E-15
peak_4186	chr23	14432232	14432801	83413	intron (NM_001113646, intron 3 of 6)	NM_001113646	nkain4	2.708761012	7.554563721	-4.845802709	1.89E-13
peak_10899	chr17	39311013	39311585	40627	intron (NM_212821, intron 2 of 16)	NM_212821	crim1	0.978440673	5.826791355	-4.848350682	4.43E-08
peak_19553	chr8	50238697	50239048	182107	Intergenic	NM_001128254	mfn2	-0.360322949	4.48814645	-4.848469399	3.19E-05
peak_11166	chr7	41733063	41733732	112362	intron (NM_001128667, intron 11 of 22)	NM_001128667	ptprn2	3.523698724	8.37287371	-4.849174986	5.86E-08
peak_13525	chr22	30663050	30663480	51876	Intergenic	NM_001111155	zgc:174651	-0.360322949	4.488974055	-4.849297004	5.65E-07
peak_5649	chr13	35272987	35273571	-193823	Intergenic	NM_001003562	sptlc3	1.831388386	6.681409011	-4.850020624	1.09E-11
peak_20632	chr18	36779238	36779550	21066	exon (NM_001089357, exon 2 of 5)	NM_001089357	alx4b	-0.360322949	4.490278568	-4.850601517	5.67E-05
peak_5591	chr15	30554602	30554923	8137	intron (NM_001079963, intron 1 of 4)	NM_001079963	vezf1b	0.944570835	5.795412673	-4.850841838	9.69E-12
peak_10683	chr5	21432030	21432248	-63200	Intergenic	NM_001126454	fam222a	-0.360322949	4.490894564	-4.851217513	3.41E-08
peak_12744	chr7	51310784	51311442	-10924	Intergenic	NM_001190305	slc1a2a	1.831388386	6.682753192	-4.851364805	2.76E-07
peak_4811	chr13	19372743	19373304	5431	TTS (NM_131280)	NM_131280	emx2	2.200926086	7.053183247	-4.852257161	1.29E-12
peak_1593	chr18	14953158	14954203	5902	intron (NM_205712, intron 4 of 17)	NM_205712	rfx4	4.414350268	9.269078096	-4.854727828	2.43E-19
peak_2704	chr3	33259891	33260670	-9596	Intergenic	NM_131399	rarab	3.627276095	8.483802911	-4.856526816	4.57E-16
peak_5426	chr11	25094854	25095147	30485	Intergenic	NM_001030278	sox12	0.653720264	5.513328559	-4.859608295	6.40E-12
peak_2202	chr5	52258189	52260071	208704	Intergenic	NM_001135983	zgc:194908	4.859770274	9.719593406	-4.859823132	2.28E-17
peak_20039	chr7	32089796	32090095	-26348	intron (NM_001077597, intron 5 of 15)	NM_001020766	mcee	-0.360322949	4.499918541	-4.86024149	4.22E-05
peak_5484	chr10	28755102	28755507	43677	intron (NM_001281468, intron 3 of 29)	NM_001281468	med13a	1.434885166	6.297211187	-4.862326021	7.35E-12
peak_12193	chr24	28485182	28485437	66568	intron (NM_131095, intron 5 of 16)	NM_131095	ek1	-0.360322949	4.502049696	-4.862372646	1.62E-07
peak_11520	chr13	28778548	28779329	-25058	intron (NM_131521, intron 6 of 8)	NM_001044333	wbp1la	3.519982194	8.382973072	-4.862990879	8.37E-08
peak_10219	chr21	20937226	20937483	78812	intron (NM_212752, intron 2 of 15)	NM_212752	gria4b	0.215200887	5.078295564	-4.863094677	1.98E-08
peak_3004	chr15	34779359	34780195	230151	Intergenic	NM_001080189_1	zgc:158328	3.484950298	8.348885315	-4.863935016	2.07E-15
peak_1818	chr8	49546022	49546672	-60560	Intergenic	NM_001005994	pex10	3.587486179	8.451525708	-4.864039528	1.46E-18
peak_13262	chr1	40286030	40286261	-27842	Intergenic	NM_200369	tmem134	-0.360322949	4.50458293	-4.864905879	4.46E-07
peak_18873	chr14	6727873	6728225	-184836	Intergenic	NM_131444	gnb2l1	-0.360322949	4.506129484	-4.866452433	2.21E-05
peak_13177	chr3	43452466	43452830	60739	Intergenic	NM_201585	micall2a	-0.360322949	4.508038501	-4.86836145	4.16E-07
peak_15326	chr12	432759	433037	10125	intron (NM_001081440, intron 1 of 1)	NM_001081440	hs3st3l	-0.360322949	4.50836125	-4.868684199	2.31E-06
peak_1857	chr17	11159387	11160083	33636	intron (NM_001258228_1, intron 9 of 20)	NM_212687	irf2bpl	3.718814869	8.587557739	-4.86874287	1.97E-18
peak_5514	chr1	39564300	39564861	171859	Intergenic	NR_030668		2.42263522	7.291541168	-4.868905949	7.89E-12
peak_5711	chr7	40521695	40522383	-36523	Intergenic	NM_131070	mdka	1.467052111	6.336761003	-4.869708892	1.23E-11
peak_5225	chr16	35816930	35817713	-89456	Intergenic	NM_131161	pou3f1	1.224639552	6.094420805	-4.869781254	3.96E-12
peak_16822	chr16	28558777	28559174	-75780	Intergenic	NM_001044848	arhgef1b	-0.360322949	4.511001932	-4.871324881	6.37E-06
peak_5520	chr10	43713196	43713587	-10221	Intergenic	NM_001002201	dbnla	0.944570835	5.816405593	-4.871834758	8.01E-12
peak_1070	chr20	33431387	33432254	94802	Intergenic	NM_001044809	smek1	4.066598018	8.938885289	-4.872287271	7.06E-22
peak_2653	chr5	49875131	49875533	-21762	Intergenic	NM_213371	tmem161b	2.224639552	7.097926274	-4.873286722	3.42E-16
peak_6803	chr18	47457906	47458424	10617	intron (NM_001003854, intron 4 of 9)	NM_001003854	st3gal4	1.787481669	6.662366441	-4.874884772	1.19E-10
peak_4428	chr20	22495228	22496377	-24885	Intergenic	NM_001025512	gsx2	4.328062482	9.205402369	-4.877339888	4.30E-13
peak_9807	chr17	29200935	29201890	-22965	Intergenic	NM_131067	foxg1a	3.124540972	8.002715911	-4.87817494	1.25E-08
peak_1862	chr14	33693130	33693664	-10560	Intergenic	NM_001001811	sox3	2.803316476	7.68205411	-4.878737634	2.04E-18
peak_11146	chr19	25131682	25131919	49811	intron (NM_001045221, intron 21 of 21)	NM_001045220	si:dkeyp-92c9.2	-0.360322949	4.52186727	-4.882190219	5.75E-08
peak_9318	chr7	34407699	34408618	41202	intron (NM_001128725, intron 2 of 3)	NM_001001843	tph1b	3.250281917	8.132925516	-4.882643599	6.55E-09
peak_10445	chr14	40744416	40744875	-217085	Intergenic	NM_131782	glra4a	0.625495796	5.510641894	-4.885146099	2.55E-08
peak_19165	chr24	27373460	27373760	55188	intron (NM_001037676, intron 2 of 32)	NM_001037676	tnikb	0.234016866	5.120589289	-4.886572422	2.59E-05
peak_17302	chr10	23254536	23254881	-64938	Intergenic	NM_200607	slc25a1a	-0.360322949	4.526813395	-4.887136344	8.52E-06
peak_10542	chr19	8269338	8269575	9978	intron (NM_001044762, intron 2 of 19)	NM_001044762	cgnb	-0.360322949	4.527191825	-4.887514774	2.86E-08
peak_11359	chr18	19954276	19954969	-52896	Intergenic	NM_131012	gro2	3.420463621	8.309075269	-4.888611647	7.08E-08
peak_19754	chr21	41887728	41888145	-3366	Intergenic	NM_001024434	atg4a	-0.360322949	4.528805016	-4.889127965	3.56E-05
peak_15397	chr22	663739	664704	13518	Intergenic	NM_001200020	arl8a	4.494792299	9.384797907	-4.890005608	2.41E-06
peak_6144	chr2	55201971	55202311	24044	intron (NM_001277117, intron 4 of 15)	NM_001277117	acss2l	0.978440673	5.868583877	-4.890143204	3.33E-11

peak_5393	chr14	37542927	37543301	-2263	Intergenic	NM_205731	egf	2.075829856	6.970509826	-4.894679971	5.81E-12
peak_19041	chr23	30484534	30485041	197359	Intergenic	NM_212848	uts2a	-0.360322949	4.534554658	-4.894877607	2.44E-05
peak_6748	chr3	38727984	38728337	182620	Intergenic	NM_001045132	si:dkey-106c17.2	1.205700064	6.101016068	-4.895316004	1.09E-10
peak_6389	chr16	27140507	27141416	3509	Intergenic	NR_030065		2.664163689	7.560531526	-4.896367837	5.43E-11
peak_14042	chr16	14580020	14580363	16268	Intergenic	NM_001029956	u2af2a	-0.360322949	4.539401018	-4.899723967	8.78E-07
peak_2224	chr7	41862862	41863692	-14906	intron (NM_001128667, intron 14 of 22)	NR_030097		3.98547888	8.885603306	-4.900124426	2.54E-17
peak_5135	chr23	21175273	21175577	23448	intron (NM_001146149, intron 4 of 8)	NM_001146149	pax7b	0.967238845	5.869077014	-4.901838168	3.25E-12
peak_5810	chr3	17010317	17010667	-170727	Intergenic	NM_001077392	hcrt	0.978440673	5.883124812	-4.904684139	1.54E-11
peak_6713	chr2	31008931	31009339	9248	Intergenic	NM_214715	adcyap1b	0.978440673	5.884155209	-4.905714536	1.02E-10
peak_7545	chr1	21612519	21612906	-3794	Intergenic	NM_131315	ldb2b	0.944570835	5.851319102	-4.906748267	4.74E-10
peak_6175	chr12	5650889	5651375	17087	Intergenic	NM_001128769	lgi1b	1.831388386	6.738550977	-4.90716259	3.56E-11
peak_7435	chr1	50826483	50826849	25604	TTS (NM_001045851)	NM_001045851	aimp1	0.625495796	5.53375367	-4.908257874	3.85E-10
peak_6534	chr19	39129294	39130062	-39561	Intergenic	NM_001122760	thsd7a	2.521897487	7.430508196	-4.908610709	7.16E-11
peak_2151	chr23	23660341	23661103	34683	Intergenic	NM_131873	her9	3.555944961	8.46520397	-4.909259009	1.58E-17
peak_4128	chr9	26653699	26654138	-155260	Intergenic	NM_001135104	zeb2a	2.238682765	7.149132335	-4.91044957	1.55E-13
peak_4821	chr20	28396753	28397200	2628	3' UTR (NM_001012250, exon 3 of 3)	NM_001012250	rhov	1.618352549	6.5300472	-4.911694651	1.35E-12
peak_5240	chr15	30558454	30559079	4133	intron (NM_001079963, intron 1 of 4)	NM_001079963	vezf1b	2.790662565	7.703749023	-4.913086458	4.14E-12
peak_17295	chr4	16499278	16499684	14168	Intergenic	NM_131219	ascl1a	-0.360322949	4.552836755	-4.913159704	8.50E-06
peak_10247	chr3	31342081	31342816	-32892	Intergenic	NM_001080044	smg1	-0.360322949	4.553830115	-4.914153064	2.06E-08
peak_15740	chr2	18665031	18665273	-6287	Intergenic	NR_030086		-0.360322949	4.556477445	-4.916800394	3.14E-06
peak_6184	chr9	17601231	17601545	201160	intron (NM_001012247, intron 54 of 81)	NM_001012247	mycbp2	0.653720264	5.57106633	-4.917346065	3.62E-11
peak_10486	chr25	8131725	8131976	-3778	Intergenic	NM_131716	mdkb	0.215200887	5.133117065	-4.917916178	2.69E-08
peak_6186	chr20	22058858	22059342	-76897	Intergenic	NM_001030136	daam1b	1.984009138	6.90240316	-4.918394022	3.64E-11
peak_17391	chr9	17659644	17659991	142731	exon (NM_001012247, exon 35 of 82)	NM_001012247	mycbp2	-0.360322949	4.559141396	-4.919464345	9.08E-06
peak_17880	chr6	56401082	56401559	281943	Intergenic	NM_001008576_1	tfap2c	-0.360322949	4.559996531	-4.92031948	1.27E-05
peak_25281	chr11	16699778	16700056	98317	intron (NM_001030143, intron 9 of 9)	NM_001030143	slc25a26	-0.360322949	4.561573305	-4.921896254	0.00043
peak_10361	chr12	10109000	10109477	48974	Intergenic	NM_001082873	zgc:162204	1.459077363	6.384604955	-4.925527592	2.33E-08
peak_8892	chr1	8359986	8360548	-5920	Intergenic	NM_001020780	uncx4.1	3.19853316	8.124628613	-4.926095453	3.60E-09
peak_9168	chr13	17462627	17463650	50197	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	2.247969535	7.174393703	-4.926424167	5.27E-09
peak_9621	chr9	22602627	22603547	33857	Intergenic	NM_001123235	arhgef7a	3.250281917	8.179139905	-4.928857988	9.82E-09
peak_7515	chr16	31293414	31293722	40104	Intergenic	NM_001199720	LOC555692	0.653720264	5.582713275	-4.92899301	4.46E-10
peak_17117	chr15	30014328	30014722	99501	intron (NM_201109, intron 6 of 14)	NM_201109	msi2b	-0.360322949	4.568783485	-4.929106434	7.59E-06
peak_17685	chr11	45093764	45094099	-40491	intron (NM_001015069_1, intron 2 of 3)	NM_001015069	gli2b	-0.360322949	4.569563632	-4.929886581	1.11E-05
peak_1578	chr11	44793120	44793772	-96405	Intergenic	NM_001002123	ralbb	3.857496901	8.787734047	-4.930237146	2.27E-19
peak_17907	chr19	26448771	26449022	-7769	Intergenic	NM_001202459	jarid2b	-0.360322949	4.570522914	-4.930845863	1.29E-05
peak_4638	chr13	10167959	10168393	-18277	Intergenic	NM_001145616	prepl	1.426730103	6.358114496	-4.931384393	7.86E-13
peak_8329	chr7	25134765	25135168	-39026	Intergenic	NM_001130784	homezb	0.978440673	5.910181216	-4.931740543	1.65E-09
peak_19687	chr3	62406583	62406961	-76453	Intergenic	NM_001013547	zgc:113295	-0.360322949	4.572087937	-4.932410886	3.44E-05
peak_20245	chr8	18843518	18843991	43382	Intergenic	NM_200255	dmap1	-0.360322949	4.572484662	-4.932807611	4.69E-05
peak_9644	chr22	14027129	14027435	-3768	Intergenic	NM_205753	sh3bp4a	-0.360322949	4.577151451	-4.9374744	1.01E-08
peak_4670	chr5	65156740	65157310	96649	Intergenic	NM_178287	sepw1	3.052014612	7.990973175	-4.938958563	8.47E-13
peak_6497	chr20	20631734	20632650	-26167	Intergenic	NM_001020585	six6b	4.748658198	9.689889995	-4.941231797	6.70E-11
peak_1668	chr5	40471321	40472016	-15288	Intergenic	NM_001130840	fras1	2.964424746	7.905694769	-4.941270023	4.76E-19
peak_8899	chr14	8262294	8262528	-36493	Intergenic	NM_001145091	nrg2b	-0.360322949	4.582451506	-4.942774455	3.63E-09
peak_5665	chr21	13119232	13119766	-85128	Intergenic	NM_001008603	pus1	1.205700064	6.150948428	-4.945248364	1.13E-11
peak_6627	chr16	43532466	43533109	-87269	Intergenic	NM_131442	gbp	1.234016866	6.180718434	-4.946701568	8.64E-11
peak_10176	chr6	54154109	54154629	11568	intron (NM_001033728, intron 1 of 9)	NM_001033728	pacsin1b	-0.360322949	4.586492965	-4.946815914	1.89E-08
peak_6715	chr25	29302144	29302665	153415	Intergenic	NM_001173985	aass	2.570823028	7.517853634	-4.947030607	1.03E-10
peak_10663	chr17	41717300	41717682	137833	Intergenic	NM_199658	insm1b	0.215200887	5.162380361	-4.947179474	3.35E-08
peak_17100	chr7	38095262	38095701	74560	Intergenic	NR_036681		-0.360322949	4.589452548	-4.949775497	7.52E-06
peak_1946	chr12	35211435	35212036	72240	Intergenic	NM_212582	llgl2	2.886118348	7.838497372	-4.952379023	4.30E-18
peak_4647	chr16	8975181	8975931	52366	Intergenic	NM_001077532	cnot10	4.236419751	9.189084143	-4.952664392	7.99E-13
peak_17136	chr20	20893863	20894192	-109	promoter-TSS (NM_173222)	NM_173222	ckbb	-0.360322949	4.593359403	-4.953682352	7.67E-06
peak_12294	chr22	20758210	20758513	10845	Intergenic	NM_001104941	foxq2	-0.360322949	4.593413673	-4.953736622	1.78E-07
peak_28116	chr13	26209564	26210203	132786	Intergenic	NM_001040391	bcl11aa	-0.360322949	4.59457534	-4.954898289	0.001147
peak_4888	chr1	35740775	35741198	46960	Intergenic	NM_001077565	zgc:152968	1.205700064	6.162950352	-4.957250288	1.67E-12
peak_8849	chr9	49316276	49317027	-32686	exon (NM_001159842, exon 15 of 36)	NM_200299	bbs5	2.862128275	7.819813362	-4.957685086	3.40E-09
peak_13539	chr1	47808084	47808563	-80254	Intergenic	NM_001005604	bcl9	0.944570835	5.90260347	-4.958032636	5.71E-07
peak_2155	chr21	11318777	11319434	5680	intron (NM_001003591, intron 1 of 5)	NM_001003591	fam219aa	2.806462687	7.764831713	-4.958369026	1.62E-17
peak_3933	chr6	57700192	57700702	-95343	Intergenic	NM_001076592	zgc:153702	1.618352549	6.578074479	-4.95972193	8.03E-14
peak_1869	chr10	10276165	10277029	18853	Intergenic	NR_029938		3.951692923	8.91202932	-4.960336397	2.16E-18
peak_5083	chr19	22605576	22606781	35956	intron (NM_001045154, intron 10 of 27)	NM_001045154	atp9b	3.793836463	8.754664917	-4.960828454	2.79E-12
peak_2851	chr7	54031249	54032012	-18072	Intergenic	NM_214816	tcf12	2.947423891	7.908512572	-4.961088682	9.98E-16
peak_7646	chr24	24020615	24021034	258508	Intergenic	NM_001075111	hnf4g	0.215200887	5.177073811	-4.961872924	5.49E-10
peak_26673	chr5	60910658	60911077	-21711	Intergenic	NM_001017896	prkrip1	-0.360322949	4.601632948	-4.961955897	0.000692
peak_15651	chr21	44231335	44231630	3306	intron (NM_200849, intron 5 of 9)	NM_200849	slc22a4	-0.360322949	4.601937145	-4.962260094	2.92E-06
peak_4307	chr6	37617760	37618266	14452	intron (NM_212759, intron 3 of 30)	NM_212759	cyfip1	2.075829856	7.038969931	-4.963140075	2.78E-13
peak_19033	chr23	21178757	21179044	26923	intron (NM_001146149, intron 5 of 8)	NM_001146149	pax7b	-0.360322949	4.604131268	-4.964454217	2.43E-05
peak_28089	chr8	20329146	20329470	112665	Intergenic	NM_001270477	LOC566028	-0.360322949	4.605338763	-4.965661712	0.001136
peak_991	chr2	3607562	3608808	35391	intron (NM_001007185, intron 3 of 4)	NM_001113621_1	ipp	4.685780676	9.651688691	-4.965908015	2.00E-22
peak_20677	chr22	17094288	17094568	113441	intron (NM_001079962, intron 7 of 10)	NM_001099263	tm2d1	-0.360322949	4.606917238	-4.967240187	5.81E-05
peak_1909	chr5	51765944	51767388	54881	intron (NM_200418, intron 2 of 6)	NM_200418	fam172a	4.244561664	9.212040373	-4.967478709	2.99E-18
peak_14446	chr14	34179693	34179961	-59880	Intergenic	NM_212957	pdzd11	-0.360322949	4.611726143	-4.972049092	1.21E-06
peak_18327	chr14	32845985	32846344	40330	Intergenic	NM_001001950	zic3	-0.360322949	4.612342994	-4.972665943	1.64E-05
peak_28922	chr8	23924105	23924557	10252	intron (NM_001045205, intron 1 of 3)	NM_001123314	si:dkey-70p6.1	-0.360322949	4.612481274	-4.972804223	0.001478
peak_5093	chr18	22579478	22579921	5587	intron (NM_200787, intron 2 of 7)	NM_200787	gnao1a	1.426730103	6.399662005	-4.972931902	2.87E-12
peak_10003	chr20	26899430	26899715	-10911	Intergenic	NM_001002653	serpinb1	-0.360322949	4.613941669	-4.974264618	1.58E-08
peak_6538	chr1	36091035	36091417	-53825	Intergenic	NM_212807	pou4f2	1.243333623	6.218878891	-4.975545268	7.21E-11
peak_6528	chr21	513789	514298	-58516	Intergenic	NM_205663_1	lhfpl2a	1.205700064	6.182834456	-4.977134392	7.10E-11
peak_11870	chr3	24086540	24086771	26479	Intergenic	NM_131115	hoxb1a	-0.360322949	4.617368076	-4.977691025	1.18E-07
peak_5285	chr24	2054075	2054564	-172397	Intergenic	NM_212616	zgc:85789	2.075829856	7.055828774	-4.979998919	4.63E-12
peak_11784	chr21	36511964	36512220	7735	intron (NM_131430, intron 16 of 19)	NM_131430	fgfr4	-0.360322949	4.621298972	-4.981621921	1.07E-07
peak_19236	chr21	6079960	6080330	22827	Intergenic	NM_212591	cdk9	0.215200887	5.19751455	-4.982313663	2.68E-05
peak_2982	chr13	32988918	32989442	25069	intron (NM_001098618, intron 4 of 7)	NM_001098618	sobpa	2.333588892	7.316157389	-4.982568498	1.90E-15
peak_13293	chr3	17486638	17486966	-76261	Intergenic	NM_200316	ttc25	-0.360322949	4.624204922	-4.984527871	4.61E-07
peak_17014	chr20	41947359	41947724	10684	exon (NM_001201561, exon 2 of 3)	NM_001201561	LOC555548	-0.360322949	4.624628231	-4.98495118	7.09E-06
peak_17648	chr19	8501679	8502008	1185	intron (NM_001083065, intron 2 of 11)	NM_001083065	si:dkeyp-85e10.2	-0.360322949	4.626048207	-4.986371156	1.09E-05
peak_11100	chr1	47254323	47254617	-34658	Intergenic	NR_030003		0.215200887	5.203754707	-4.98855382	5.47E-08
peak_6480	chr18	15602424	15603257	-12373	Intergenic	NM_001044999	plekhg7	2.614767619	7.603739917	-4.988972298	6.51E-11
peak_8574	chr16	43421201	43422455	180054	Intergenic	NM_001002075	ccne2	2.986785331	7.977921195	-4.991135863	2.29E-09
peak_8637	chr14	52035238	52035896	-2226	intron (NM_001017782_1, intron 14 of 17)	NM_001114465_1	unc5a	1.831388386	6.823137043	-4.991748656	2.46E-09
peak_10995	chr13	32286411	32286729	-81402	Intergenic	NM_001006079	osr1	-0.360322949	4.633085802	-4.993408752	4.91E-08
peak_15299	chr16	33496448	33496738	-3705	Intergenic	NM_001014347	scrt1b	-0.360322949	4.633309269	-4.993632218	2.27E-06
peak_1427	chr24	23916761	23917800	362052	Intergenic	NM_001075111	hnf4g	3.632603848	8.627110267	-4.994506419	5.29E-20
peak_21639	chr7	40574506	40575463	16422	Intergenic	NM_131070	mdka	0.234016866	5.232000437	-4.99798357	9.18E-05
peak_10169	chr17	12767693	12768815	-37823	intron (NM_001146304, intron 38 of 39)	NM_199629	nfkbiab	3.523698724	8.522811607	-4.999112883	1.88E-08
peak_6244	chr7	28705140	28705580	106529	Intergenic	NM_001002471	calca	1.205700064	6.205267795	-4.999567731	4.10E-11
peak_11985	chr4	14889537	14889795	-144209	Intergenic	NM_001044894	si:dkey-117n7.5	-0.360322949	4.63927021	-4.999593159	1.33E-07
peak_11508	chr11	27711803	27712036	-76750	Intergenic	NM_001045307	acad9	-0.360322949	4.640755016	-5.001077965	8.29E-08
peak_4247	chr20	30153299	30153719	-92309	Intergenic	NM_131337	sox11b	1.831388386	6.832705478	-5.001317091	2.30E-13
peak_4105	chr16	4326680	4327082	199841	Intergenic	NM_200701	wdr21	1.426730103	6.428812031	-5.002081927	1.43E-13
peak_6191	chr7	57066944	57067349	170400	Intergenic	NM_001003506	trappc2l	1.243333623	6.24556201	-5.002228387	3.69E-11
peak_15094	chr10	30819680	30820420	-9128	Intergenic	NM_001020556	lim2.1	1.66069094	6.664029082	-5.003338142	1.94E-06
peak_5473	chr13	33983024	33983355	54884	intron (NM_200549, intron 3 of 19)	NM_200549	macrod2	1.205700064	6.209871895	-5.004171831	7.25E-12
peak_19876	chr21	11077834	11078253	208843	Intergenic	NM_001033747	zgc:109965	-0.360322949	4.644688453	-5.005011402	3.82E-05

peak_7463	chr18	15377842	15378171	54371	Intergenic	NM_001002574	nr1h4	0.653720264	5.660916274	-5.007196009	4.05E-10
peak_7228	chr10	44711182	44712604	44416	intron (NM_214688, intron 10 of 14)	NM_214688	vcanb	1.467052111	6.479280162	-5.012228051	2.71E-10
peak_16198	chr19	34744192	34744784	-9543	Intergenic	NM_001083083	nkd3l	0.944570835	5.957000783	-5.012429948	4.28E-06
peak_1543	chr2	30986450	30987068	31624	Intergenic	NM_214715	adcyap1b	4.455073397	9.467528209	-5.012454812	1.73E-19
peak_17336	chr4	23459113	23459426	-559760	Intergenic	NM_194401	celf2	-0.360322949	4.652432985	-5.012755934	8.70E-06
peak_1102	chr3	46853932	46858235	-471	promoter-TSS (NM_131449)	NM_131449	elavl3	5.315971024	10.3289571	-5.01298608	1.07E-21
peak_13438	chr20	4696667	4697001	83019	Intergenic	NM_205758	papola	0.234016866	5.249222364	-5.015205498	5.27E-07
peak_5414	chr23	21748350	21750049	-97	promoter-TSS (NM_001161409)	NM_001161409	LOC100148329	4.211576179	9.22743783	-5.015861651	6.17E-12
peak_19198	chr4	24185553	24186185	-34226	intron (NM_001042744, intron 3 of 6)	NM_131211	gata3	0.625495796	5.6423483	-5.016852504	2.63E-05
peak_5302	chr22	4634219	4634742	-3359	Intergenic	NM_200074	cherp	2.31603542	7.334921917	-5.018886497	4.86E-12
peak_4676	chr20	40322034	40322687	29261	intron (NM_001025545, intron 2 of 4)	NM_001025545	clvs2	2.122017822	7.141339861	-5.019322039	8.62E-13
peak_7383	chr7	34732250	34732530	-26187	Intergenic	NM_212849	glceb	0.234016866	5.253947286	-5.01993042	3.51E-10
peak_4299	chr6	44745693	44746008	-412568	Intergenic	NM_001256392	pdzrn3b	0.978440673	5.998483655	-5.020042982	2.66E-13
peak_12037	chr11	27252344	27252832	-44409	Intergenic	NM_001045240	ppcs	0.215200887	5.235910864	-5.020709977	1.39E-07
peak_21633	chr20	42095953	42096338	-71542	Intergenic	NM_001044332	si:dkeyp-114g9.1	-0.360322949	4.66076939	-5.021092339	9.13E-05
peak_13403	chr2	35517974	35518355	-56911	Intergenic	NM_001201444	dhx9	-0.360322949	4.661728187	-5.022051136	5.11E-07
peak_10508	chr24	23914383	23914729	364776	Intergenic	NM_001075111	hnf4g	0.215200887	5.238206072	-5.023005185	2.74E-08
peak_25919	chr22	23358013	23358378	-83953	Intergenic	NR_048931_1		-0.360322949	4.662816989	-5.023139938	0.000536
peak_17314	chr6	20325550	20325994	-20743	Intergenic	NM_178131	scinla	-0.360322949	4.663209803	-5.023532752	8.59E-06
peak_19727	chr19	4748776	4749173	56634	intron (NM_001113635, intron 5 of 16)	NM_001113635	map7d1b	-0.360322949	4.664249371	-5.02457232	3.51E-05
peak_19411	chr4	13140897	13141266	-103344	Intergenic	NM_001030098	prickle1b	-0.360322949	4.664782741	-5.02510569	2.95E-05
peak_13989	chr10	13650260	13650542	86236	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	-0.360322949	4.665023382	-5.025346331	8.33E-07
peak_5703	chr12	26875725	26876370	31589	Intergenic	NM_207055	zfp36l2	2.247969535	7.274165072	-5.026195536	1.21E-11
peak_12020	chr3	30165410	30165842	-37052	Intergenic	NM_001003521	hsd17b14	-0.360322949	4.666723399	-5.027046348	1.36E-07
peak_5392	chr7	16205576	16206061	-10193	Intergenic	NM_152969	igf1rb	1.831388386	6.8591292	-5.027740813	5.80E-12
peak_1021	chr13	47043585	47045066	-3708	Intergenic	NM_001243005	fgfr2	5.539494444	10.56963117	-5.03013673	3.48E-22
peak_20126	chr5	28347835	28348168	16810	intron (NM_001003781, intron 4 of 8)	NM_001003781	tango2	-0.360322949	4.670302452	-5.030625401	4.43E-05
peak_8941	chr11	6692947	6693327	154324	Intergenic	NM_213031	gadd45ba	0.625495796	5.657091734	-5.031595938	3.88E-09
peak_8436	chr4	16074458	16075542	49080	exon (NM_001033585, exon 8 of 15)	NM_001033585	sox5	3.19853316	8.231493825	-5.032960664	1.93E-09
peak_16111	chr13	46516637	46516961	-17801	Intergenic	NM_199514	olig4	-0.360322949	4.673446128	-5.033769077	4.03E-06
peak_20607	chr6	12331408	12331962	39647	intron (NM_001045348, intron 6 of 12)	NM_001045348	gpd2	-0.360322949	4.673697679	-5.034020628	5.61E-05
peak_10111	chr6	16300434	16301084	23253	Intergenic	NM_001002395	faimb	0.978440673	6.01311008	-5.034669407	1.75E-08
peak_6847	chr20	32434813	32435161	9322	intron (NM_001025482, intron 5 of 12)	NM_001025482	lace1b	0.234016866	5.268989731	-5.034972865	1.28E-10
peak_10018	chr1	22803189	22803679	-47047	Intergenic	NM_152975	mab21l2	1.426730103	6.462959837	-5.036229734	1.59E-08
peak_9881	chr16	46613794	46614107	-226141	Intergenic	NM_001114444_1	oxr1a	-0.360322949	4.676218411	-5.03654136	1.37E-08
peak_4377	chr7	65848487	65848951	-21721	Intergenic	NM_001110485	m1ap	1.938847741	6.97554853	-5.036700789	3.57E-13
peak_18918	chr7	34394755	34395045	31938	intron (NM_001128725, intron 1 of 3)	NM_001128725	kcnc1a	-0.360322949	4.677125632	-5.037448581	2.26E-05
peak_13506	chr20	40128818	40129060	222682	Intergenic	NM_001025545	clvs2	-0.360322949	4.677467705	-5.037790654	5.58E-07
peak_10974	chr24	3132018	3132423	1588	intron (NM_001017762, intron 2 of 5)	NM_001017762	tubb6	-0.360322949	4.680046092	-5.040369042	4.74E-08
peak_7017	chr13	35424153	35424875	-136299	Intergenic	NM_131863	jag1b	2.122017822	7.163043474	-5.041025653	1.75E-10
peak_15575	chr7	27553161	27553804	8822	Intergenic	NM_199624	her8a	0.625495796	5.666924866	-5.041429071	2.75E-06
peak_5588	chr5	69200934	69201672	1831	intron (NM_001089486, intron 1 of 7)	NM_001089486	coq2	2.471023015	7.512694829	-5.041671813	9.65E-12
peak_1179	chr16	35562374	35563168	85252	Intergenic	NM_001020635	rragca	4.690897074	9.736545448	-5.045648374	3.19E-21
peak_8418	chr25	32136549	32137048	16112	Intergenic	NM_001009901	tnni2a.4	0.653720264	5.699536711	-5.045816446	1.89E-09
peak_18990	chr5	34250408	34250701	-127380	Intergenic	NM_212898	ntmt1	-0.360322949	4.685798542	-5.046121491	2.37E-05
peak_5863	chr22	40057669	40058017	168587	Intergenic	NM_001003462	trim35-36	0.944570835	5.992121288	-5.047550453	1.75E-11
peak_2162	chr20	39000615	39001182	65912	intron (NM_001082893, intron 1 of 5)	NM_001082893	si:dkey-221h15.1	2.333588892	7.381472388	-5.047883496	1.78E-17
peak_14657	chr22	17165491	17165852	53776	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	-0.360322949	4.693020908	-5.053343857	1.41E-06
peak_7447	chr9	26510851	26511573	-33776	Intergenic	NM_001110278	acvr2aa	2.075829856	7.130086449	-5.054256593	3.97E-10
peak_14928	chr13	37525126	37525390	87171	Intergenic	NM_174862	esr2b	-0.360322949	4.695405141	-5.05572809	1.71E-06
peak_5358	chr19	41228405	41229161	17759	intron (NM_001144053, intron 2 of 6)	NM_001144053	cdk6	4.300368768	9.356414469	-5.056045701	5.33E-12
peak_10182	chr1	16351478	16351737	16320	Intergenic	NM_207065	helt	-0.360322949	4.696952255	-5.057275205	1.91E-08
peak_12498	chr18	40046410	40047434	2755	Intergenic	NM_131511	fzd9b	4.004861327	9.062599114	-5.057737788	2.18E-07
peak_4847	chr18	14950239	14950606	9160	intron (NM_205712, intron 6 of 17)	NM_205712	rfx4	0.625495796	5.683829804	-5.058334008	1.49E-12
peak_6829	chr13	483025	483714	26824	intron (NM_001034968, intron 4 of 37)	NM_001034968	slit1a	2.862128275	7.921252416	-5.059124141	1.24E-10
peak_5100	chr17	31043148	31043655	-8320	intron (NM_001193598, intron 16 of 21)	NM_199519	evla	2.247969535	7.308214136	-5.060244601	2.93E-12
peak_23092	chr3	12125779	12126111	6822	intron (NM_001076623, intron 2 of 10)	NM_001076623	prkar1b	-0.360322949	4.700651794	-5.060974743	0.000176
peak_26301	chr2	47634604	47635008	53708	Intergenic	NM_131277	pax3a	-0.360322949	4.700875781	-5.061198731	0.00061
peak_11878	chr5	60569288	60569565	-30636	Intergenic	NM_001002701	tmem136b	-0.360322949	4.701088819	-5.061411768	1.19E-07
peak_9505	chr19	24517178	24517476	-8232	exon (NM_213460, exon 4 of 4)	NM_001128781	rit1	0.215200887	5.277324333	-5.062123446	8.39E-09
peak_17484	chr2	44963497	44963730	43984	Intergenic	NM_001145089	camk2n1a	-0.360322949	4.702490202	-5.062813151	9.65E-06
peak_16947	chr9	40859935	40860176	-169505	Intergenic	NM_001161762_1	si:zfos-1425h8.1	-0.360322949	4.702497048	-5.062819997	6.85E-06
peak_5603	chr23	32983769	32984459	352993	Intergenic	NM_200286	taf8	2.122017822	7.185335517	-5.063317696	9.92E-12
peak_2027	chr7	41883049	41884630	5656	intron (NM_001128667, intron 21 of 22)	NR_030097		4.350931353	9.414830563	-5.06389921	7.72E-18
peak_2366	chr6	7292020	7292633	-38762	intron (NM_001007038, intron 20 of 29)	NM_131286	sox21a	2.895012766	7.959965151	-5.064952385	6.76E-17
peak_5479	chr17	1262534	1262932	-67696	intron (NM_001002412, intron 1 of 1)	NM_001033741	srp14	1.205700064	6.274358923	-5.068658858	7.30E-12
peak_12118	chr18	25598771	25599228	39959	intron (NM_001128352, intron 4 of 13)	NM_001128352	sema4ba	-0.360322949	4.710192983	-5.070515932	1.50E-07
peak_6187	chr3	32132758	32133366	34597	intron (NM_001195240, intron 1 of 3)	NM_001195240	kcnc3a	1.467052111	6.537638267	-5.070586156	3.65E-11
peak_13351	chr15	18989095	18990883	38259	Intergenic	NM_001017764	zgc:112083	4.969304881	10.04152532	-5.072220439	4.90E-07
peak_12266	chr10	11155696	11156123	-75290	Intergenic	NM_199599	hsdl2	0.625495796	5.698526828	-5.073031032	1.73E-07
peak_14841	chr21	20303986	20304278	98528	Intergenic	NM_001014304	pvrl3b	-0.360322949	4.715053396	-5.075376345	1.62E-06
peak_7321	chr8	18406777	18407075	18301	intron (NM_001202434, intron 3 of 21)	NM_001202434	slc44a5b	0.234016866	5.309420608	-5.075403742	3.19E-10
peak_9343	chr21	8436996	8437472	131844	Intergenic	NM_001076741	esm1	1.818979367	6.894494608	-5.075515241	6.81E-09
peak_11030	chr1	10751580	10751876	118893	Intergenic	NM_001040305	brat1	-0.360322949	4.717012699	-5.077335648	5.07E-08
peak_1214	chr19	32082187	32083507	-26288	Intergenic	NM_001045142	myclb	4.194866279	9.277168037	-5.082301758	4.83E-21
peak_11595	chr17	44280937	44281293	14980	Intergenic	NM_131251	otx2	0.978440673	6.061147355	-5.082706682	9.01E-08
peak_1385	chr6	44728949	44729779	-396082	Intergenic	NM_001256392	pdzrn3b	2.961605146	8.04749103	-5.085885884	3.35E-20
peak_17811	chr8	50535923	50536277	-226157	Intergenic	NM_001128741	zgc:195023	0.215200887	5.302144993	-5.086944106	1.21E-05
peak_9856	chr3	22945759	22946009	174894	Intergenic	NM_001128744	cyb561	-0.360322949	4.726882583	-5.087205532	1.33E-08
peak_6274	chr10	27903069	27903771	171807	Intergenic	NM_152948	cxadr	2.471023015	7.558725376	-5.087702361	4.34E-11
peak_13729	chr16	25995953	25996319	40702	Intergenic	NM_200765	rps27.2	-0.360322949	4.727729338	-5.088052287	6.68E-07
peak_27812	chr3	62388376	62388907	-58322	Intergenic	NM_001013547	zgc:113295	-0.360322949	4.731383528	-5.091706477	0.001035
peak_10206	chr14	29154493	29154779	-52233	Intergenic	NM_200688	zgc:64189	-0.360322949	4.733096223	-5.093419172	1.96E-08
peak_18292	chr3	17821460	17821751	41998	Intergenic	NM_200116	zgc:56719	-0.360322949	4.73486386	-5.095186809	1.61E-05
peak_20518	chr7	37515345	37515710	-279235	Intergenic	NM_200105	aktip	-0.360322949	4.734877246	-5.095200195	5.34E-05
peak_7523	chr7	15205207	15205794	36782	Intergenic	NM_001089577	rhcga	2.751830549	7.847749168	-5.095918619	4.55E-10
peak_17385	chr6	15091209	15091494	46400	intron (NM_001003492, intron 1 of 3)	NM_001003492	nck2b	-0.360322949	4.735699669	-5.096022618	9.05E-06
peak_4961	chr2	31031423	31031859	7372	intron (NM_001013270, intron 1 of 11)	NM_001013270	yes1	0.978440673	6.076295744	-5.097855072	1.99E-12
peak_1760	chr21	17950176	17951253	64681	Intergenic	NM_001002475	nkx6.1	3.798584256	8.896539607	-5.097955351	9.06E-19
peak_19393	chr7	56940320	56940811	43819	Intergenic	NM_001003506	trappc2l	-0.360322949	4.74185436	-5.102177309	2.92E-05
peak_19537	chr3	24037186	24037703	-5947	exon (NM_131117, exon 4 of 5)	NM_131116	hoxb2a	-0.360322949	4.742719138	-5.103042087	3.16E-05
peak_9466	chr6	52756566	52757028	14082	intron (NM_213549, intron 1 of 15)	NM_213549	matn4	0.215200887	5.319669149	-5.104468262	8.01E-09
peak_17483	chr10	37848179	37848438	-12716	Intergenic	NM_001190303	slc1a3b	-0.360322949	4.745111021	-5.10543397	9.62E-06
peak_8683	chr21	20372405	20372729	30093	intron (NM_001014304, intron 2 of 6)	NM_001014304	pvrl3b	-0.360322949	4.746769905	-5.107092854	2.66E-09
peak_21974	chr5	32261617	32262083	-2233	Intergenic	NM_001128735	tcnl	-0.360322949	4.747511933	-5.107834882	0.000108
peak_8072	chr14	32958899	32959481	67039	Intergenic	NM_001001837	zic6	-0.360322949	4.748655019	-5.108977968	1.09E-09
peak_5166	chr20	29072784	29073445	86866	Intergenic	NM_001128711	gpr176	2.471023015	7.58102024	-5.109997225	3.48E-12
peak_23310	chr21	3446048	3446716	242987	Intergenic	NM_175082	smad7	0.625495796	5.736973065	-5.111477269	0.000191
peak_13979	chr16	8099729	8100096	-36522	Intergenic	NM_001271459	mbpb	0.944570835	6.056460071	-5.111889237	8.26E-07
peak_8235	chr16	13037697	13037908	36237	intron (NM_001170836, intron 5 of 6)	NM_001170836	znf574	-0.360322949	4.753229839	-5.113552788	1.41E-09
peak_5684	chr13	30126057	30126604	-23366	Intergenic	NM_001017994	cuedc2	1.426730103	6.541060745	-5.114330642	1.17E-11
peak_17786	chr13	22191670	22192089	-213403	Intergenic	NM_205678	myoz1a	-0.360322949	4.754751451	-5.1150744	1.20E-05
peak_10578	chr10	8659516	8659761	-45234	Intergenic	NM_200058_1	reep5	-0.360322949	4.754758033	-5.115080982	2.99E-08
peak_18437	chr14	8524733	8525071	-40107	Intergenic	NM_001002333	stx5a	-0.360322949	4.755812632	-5.116135581	1.72E-05
peak_6917	chr5	27099999	27100674	-78640	Intergenic	NM_001082856	rorb	2.521897487	7.640089177	-5.118191689	1.46E-10

peak_3270	chr21	19334574	19335259	110150	Intergenic	NM_001006022	zgc:103482	3.327031342	8.445394089	-5.118362746	5.95E-15
peak_16993	chr21	36530704	36531025	-11037	intron (NM_001007405_1, intron 7 of 11)	NM_131430	fgfr4	-0.360322949	4.758834197	-5.119157146	7.01E-06
peak_13647	chr18	30268959	30269254	-116912	Intergenic	NM_001080807	gse1	-0.360322949	4.758954479	-5.119277428	6.28E-07
peak_6140	chr10	4209702	4210500	123876	Intergenic	NR_029954		2.521897487	7.641987789	-5.120090302	3.31E-11
peak_9535	chr19	4624987	4625466	-30337	Intergenic	NM_001114461	eva1bb	0.625495796	5.746127159	-5.120631363	8.72E-09
peak_17718	chr6	43581535	43582002	200163	intron (NM_001039637, intron 9 of 19)	NM_001013450	zgc:113054	-0.360322949	4.761626228	-5.121949177	1.14E-05
peak_17821	chr22	11557341	11557709	-8875	intron (NM_001130818, intron 6 of 7)	NM_200832	mid1ip1b	-0.360322949	4.763489094	-5.123812043	1.22E-05
peak_5400	chr2	21844514	21845022	65296	intron (NM_001256694, intron 3 of 9)	NM_001256694	tox	1.426730103	6.550789073	-5.12405897	5.95E-12
peak_18090	chr23	27401075	27401324	-7696	Intergenic	NM_001214908	wu:fc13c02	-0.360322949	4.76626559	-5.126588539	1.44E-05
peak_17626	chr20	31711126	31711402	-188056	Intergenic	NM_001044819	sash1a	-0.360322949	4.767599831	-5.12792278	1.08E-05
peak_6129	chr16	18373966	18374392	-85533	Intergenic	NM_001290140	zgc:56148	1.467052111	6.596495838	-5.129443727	3.27E-11
peak_9217	chr24	37781135	37781487	16773	intron (NM_001004577, intron 6 of 10)	NM_001004577	coasy	0.625495796	5.755165221	-5.129669426	5.68E-09
peak_17221	chr4	5866247	5866708	144999	intron (NM_001030082, intron 6 of 20)	NM_001159823	lyrm5a	0.653720264	5.785459696	-5.131739432	8.14E-06
peak_9258	chr7	44837712	44838009	-77049	Intergenic	NM_131214	cdh11	0.234016866	5.366255446	-5.13223858	5.96E-09
peak_16182	chr5	7554880	7555121	-73609	Intergenic	NM_001018130	crybb3	-0.360322949	4.772507592	-5.132830542	4.23E-06
peak_6522	chr15	27224779	27225535	-165920	Intergenic	NM_131216	lhx1a	2.471023015	7.606560364	-5.135537349	7.07E-11
peak_2944	chr24	14285913	14286328	-69417	intron (NM_131777, intron 10 of 21)	NM_001163831	prdm14	1.625495796	6.761324277	-5.135828481	1.61E-15
peak_19365	chr24	4762476	4762915	82709	Intergenic	NM_001110021	cpb1	-0.360322949	4.776026225	-5.136349174	2.87E-05
peak_16573	chr3	33417868	33418273	-19462	Intergenic	NM_001114705	hspb9	-0.360322949	4.77837019	-5.138693139	5.49E-06
peak_3358	chr19	2588541	2588913	-42582	Intergenic	NM_213241	sp8a	1.66069094	6.799465056	-5.138774116	8.68E-15
peak_9804	chr6	12642529	12642882	120559	Intergenic	NM_001039817	bmpr2a	-0.360322949	4.779234334	-5.139557283	1.25E-08
peak_9890	chr16	42921865	42922352	-45483	Intergenic	NM_001017358	rspo3	-0.360322949	4.77954761	-5.139870559	1.38E-08
peak_6987	chr6	26334513	26334987	-66639	Intergenic	NM_001037680	sox14	2.570823028	7.714154494	-5.143331467	1.66E-10
peak_17292	chr13	24582111	24582417	20895	Intergenic	NM_001007443	rhoua	-0.360322949	4.783822479	-5.144145428	8.48E-06
peak_10858	chr17	52843770	52843994	206397	Intergenic	NM_001128292	prox2	-0.360322949	4.784362489	-5.144685438	4.17E-08
peak_14918	chr5	36513169	36513685	-86789	Intergenic	NM_213129	ankra2	-0.360322949	4.784774788	-5.145097737	1.69E-06
peak_22640	chr5	51603433	51603924	76105	intron (NM_200418, intron 6 of 6)	NM_131180	nr2f1a	0.215200887	5.362913904	-5.147713017	0.000144
peak_14603	chr1	47872863	47873136	-15578	Intergenic	NM_001005604	bcl9	-0.360322949	4.788005789	-5.148328738	1.35E-06
peak_14158	chr13	15839929	15840251	43287	intron (NM_200953, intron 14 of 14)	NM_001076625	ttl	-0.360322949	4.788263267	-5.148586216	9.54E-07
peak_6214	chr19	1239821	1240216	-5772	Intergenic	NM_001113601	scrt1a	0.234016866	5.383666938	-5.149650072	3.87E-11
peak_9428	chr22	21307439	21307730	-36790	intron (NM_001202512, intron 4 of 17)	NM_200884	fkbp8	-0.360322949	4.791253535	-5.151576484	7.65E-09
peak_8808	chr13	9896271	9896886	-69999	Intergenic	NM_131362	six3a	0.234016866	5.386940377	-5.152923511	3.19E-09
peak_17558	chr17	43656896	43657207	11092	exon (NM_001005937, exon 12 of 13)	NM_001005937	rtkn2a	-0.360322949	4.792829751	-5.1531527	1.02E-05
peak_2867	chr13	4967266	4968188	-226597	Intergenic	NM_001039639	abcg2c	3.698537809	8.852765215	-5.154227405	1.10E-15
peak_3700	chr20	22467091	22467498	3623	Intergenic	NM_001025512	gsx2	1.243333623	6.398564593	-5.15523097	3.34E-14
peak_2802	chr5	8762900	8763374	79707	Intergenic	NM_131457	bmpr1ba	2.629054199	7.785269639	-5.156215439	7.69E-16
peak_16618	chr9	46743509	46743824	-5377	Intergenic	NM_001002736	asb1	-0.360322949	4.796165656	-5.156488605	5.65E-06
peak_8769	chr1	12069645	12069958	57155	Intergenic	NM_212571	pcdh10a	-0.360322949	4.798898226	-5.159221175	3.01E-09
peak_4664	chr13	39716274	39716667	3346	exon (NM_213264, exon 5 of 32)	NM_213264	col9a1b	1.66069094	6.821267198	-5.160576257	8.38E-13
peak_17604	chr20	46388691	46388911	43719	Intergenic	NM_131360	bmp2b	-0.360322949	4.801066867	-5.161389816	1.06E-05
peak_1629	chr11	43142633	43146792	-41126	Intergenic	NM_001105592	her15.2	5.2948114	10.45642807	-5.161616675	3.46E-19
peak_6266	chr19	36890446	36890936	19213	Intergenic	NM_001020633	ndufs5	1.618352549	6.78032934	-5.161976791	4.29E-11
peak_17433	chr20	20659099	20659359	24039	Intergenic	NM_001161332	ppm1ab	-0.360322949	4.801749058	-5.162072008	9.30E-06
peak_7027	chr7	33456034	33456893	-101163	Intergenic	NM_200239	kif18a	1.66069094	6.823003803	-5.162312862	1.77E-10
peak_5201	chr9	14188020	14188655	178513	Intergenic	NM_001076586	abi2a	2.521897487	7.68531532	-5.163417833	3.80E-12
peak_9951	chr17	38777890	38778189	37017	Intergenic	NM_131525	sptb	-0.360322949	4.807918445	-5.168241394	1.48E-08
peak_9715	chr18	24178834	24179061	81633	intron (NR_120393, intron 4 of 4)	NR_120393		-0.360322949	4.808059508	-5.168382457	1.11E-08
peak_12033	chr18	47837708	47838038	121416	Intergenic	NM_001080167	ppp1r37	-0.360322949	4.808169013	-5.168491962	1.38E-07
peak_4937	chr4	16490829	16491687	5945	Intergenic	NM_131219	ascl1a	1.426730103	6.596625205	-5.169895102	1.87E-12
peak_7330	chr25	15013362	15013755	58005	Intergenic	NM_200042	mpped2	-0.360322949	4.811550203	-5.171873153	3.22E-10
peak_13126	chr20	38765948	38766441	16910	intron (NM_001045025, intron 5 of 8)	NM_001030180	uts1	0.215200887	5.388031491	-5.172830604	3.96E-07
peak_6315	chr5	36172419	36172728	5258	intron (NM_198870, intron 2 of 5)	NM_198870	aif1l	0.215200887	5.388564176	-5.173363289	4.67E-11
peak_2967	chr3	18262271	18262789	-34165	Intergenic	NM_205616	cbx8a	1.646715745	6.822743022	-5.176027277	1.78E-15
peak_18116	chr9	22765359	22765795	9498	Intergenic	NM_001002483	sox1a	-0.360322949	4.815882166	-5.176205115	1.47E-05
peak_4926	chr6	19971993	19972397	20844	Intergenic	NM_182866	glulb	1.426730103	6.604169138	-5.177439035	1.83E-12
peak_3357	chr8	52961689	52962147	-30768	Intergenic	NM_001002647	egr3	1.44299439	6.622300158	-5.179305768	8.65E-15
peak_8511	chr11	16666688	16667250	65369	intron (NM_001030143, intron 6 of 9)	NM_001030143	slc25a26	3.25733105	8.438483194	-5.181152144	2.14E-09
peak_10551	chr1	7818413	7818734	48293	Intergenic	NM_199602	zgc:77849	-0.360322949	4.821141127	-5.181464076	2.89E-08
peak_4755	chr18	11534010	11534543	-33792	Intergenic	NM_001013335	zgc:110789	1.205700064	6.389000863	-5.183300799	1.10E-12
peak_8313	chr17	26041438	26041678	365921	Intergenic	NM_001080656	acss1	-0.360322949	4.823221552	-5.183544501	1.62E-09
peak_8173	chr15	38377325	38377703	-163861	Intergenic	NM_131633	robo2	-0.360322949	4.824735972	-5.185058921	1.27E-09
peak_2391	chr5	19232116	19232610	-326624	Intergenic	NM_001100015	chfr	2.091390725	7.277538157	-5.186147432	7.70E-17
peak_12998	chr13	32711440	32711769	33700	Intergenic	NM_001006031	rdh14a	-0.360322949	4.826972644	-5.187295593	3.51E-07
peak_33603	chr16	44295574	44296416	9142	Intergenic	NM_001002540	rpp25l	-0.360322949	4.827109566	-5.187432515	0.005029
peak_7984	chr15	34949483	34949806	-251290	Intergenic	NM_001017614	rhbdd1	-0.360322949	4.8271126	-5.187435549	9.30E-10
peak_7977	chr17	36541748	36542108	154606	Intergenic	NM_001007331	colec11	0.978440673	6.166304456	-5.187863783	9.19E-10
peak_14655	chr10	13711491	13711873	24955	intron (NM_001098242, intron 1 of 8)	NM_001098242	cntfr	-0.360322949	4.828759693	-5.189082642	1.41E-06
peak_10437	chr15	17241793	17242269	-58305	Intergenic	NM_001039638	or131-2	-0.360322949	4.829895724	-5.190218673	2.53E-08
peak_8646	chr13	25740458	25740705	11111	exon (NM_001126432, exon 5 of 20)	NM_001126432	inpp5f	-0.360322949	4.830218454	-5.190541404	2.50E-09
peak_3684	chr21	37205407	37206107	-67077	Intergenic	NM_001080058	zgc:158291	2.708761012	7.899351525	-5.190590513	3.17E-14
peak_6823	chr5	40851062	40851715	-79959	Intergenic	NM_200710	paqr3a	1.426730103	6.617834757	-5.191104654	1.24E-10
peak_18517	chr23	23106715	23107070	156205	Intergenic	NM_212722	eno1a	-0.360322949	4.8312549	-5.191577849	1.80E-05
peak_6590	chr23	27471429	27472027	-78225	Intergenic	NM_001214908	wu:fc13c02	2.751830549	7.943493347	-5.191662798	7.94E-11
peak_8099	chr7	56965619	56966004	69065	Intergenic	NM_001003506	trappc2l	0.625495796	5.820505192	-5.195009396	1.13E-09
peak_16002	chr19	9060252	9060634	-43895	Intergenic	NM_200597	efna1a	-0.360322949	4.836063513	-5.196386462	3.77E-06
peak_7834	chr1	15942072	15942362	-176600	Intergenic	NM_212967	fat1a	0.653720264	5.8532478	-5.199527536	7.35E-10
peak_14972	chr23	13825314	13825624	109261	Intergenic	NR_030650		-0.360322949	4.84002262	-5.200345569	1.76E-06
peak_6444	chr6	19599162	19599414	-48228	Intergenic	NM_001024415	cbx8b	0.215200887	5.416704502	-5.201503615	6.05E-11
peak_4145	chr14	32065090	32065510	-44273	Intergenic	NM_131860	gpc4	1.243333623	6.445287089	-5.201953466	1.65E-13
peak_9103	chr12	35834619	35834907	17380	intron (NM_001030125, intron 2 of 20)	NM_001030125	camk2g1	-0.360322949	4.84298893	-5.203311879	4.86E-09
peak_7579	chr3	21076216	21076674	-3505	Intergenic	NM_001004583	slc35b1	0.625495796	5.830182754	-5.204686959	4.96E-10
peak_6396	chr10	10292127	10292655	3059	Intergenic	NR_029938		1.938847741	7.144246018	-5.205398278	5.49E-11
peak_4131	chr7	30822546	30822915	25110	Intergenic	NM_131283	foxb1b	0.625495796	5.832098227	-5.206602432	1.56E-13
peak_6556	chr12	33085434	33085953	23942	intron (NM_001034980, intron 3 of 7)	NM_001034980	vti1a	2.834474036	8.042292692	-5.207818657	7.44E-11
peak_10008	chr13	49796752	49797113	-71079	Intergenic	NM_001003463	ntpcr	-0.360322949	4.851198054	-5.211521003	1.58E-08
peak_10283	chr2	20387662	20387984	48542	Intergenic	NM_001025177	dusp12	-0.360322949	4.852657893	-5.212980842	2.16E-08
peak_21743	chr12	32690736	32691312	99264	intron (NM_131259, intron 5 of 14)	NM_131259	tcf7l2	-0.360322949	4.853026114	-5.213349063	9.62E-05
peak_17655	chr20	47959403	47959813	-77544	Intergenic	NM_200967	efhc1	-0.360322949	4.853811173	-5.214134123	1.10E-05
peak_8936	chr4	11599418	11599779	-57869	Intergenic	NM_001007341	arhgef39	-0.360322949	4.854373325	-5.214696274	3.84E-09
peak_17432	chr4	9291755	9292086	-139213	Intergenic	NM_001082867	kcnd2	-0.360322949	4.857562134	-5.217885083	9.30E-06
peak_7277	chr5	5414500	5414785	-203003	Intergenic	NM_001076606	mvb12ba	0.215200887	5.433519762	-5.218318875	2.95E-10
peak_1950	chr21	14163922	14165119	-32441	Intergenic	NM_131218	lhx5	4.102952214	9.32154066	-5.218588447	4.34E-18
peak_12085	chr18	37915138	37915550	-5000	Intergenic	NM_200757	scg3	-0.360322949	4.858362692	-5.218685641	1.45E-07
peak_4356	chr8	8954270	8955316	-58179	Intergenic	NM_001030157	comta	2.31603542	7.53476787	-5.218732451	3.25E-13
peak_15683	chr12	28740385	28740707	12520	intron (NM_001080011, intron 4 of 13)	NM_001080011	skap1	-0.360322949	4.85852796	-5.218850909	3.02E-06
peak_18343	chr25	20266338	20266699	42408	Intergenic	NM_001004622	zgc:101783	0.234016866	5.453208937	-5.219192071	1.65E-05
peak_7570	chr6	42793555	42793860	42013	intron (NM_001014822, intron 1 of 17)	NM_001014822	sema3fa	-0.360322949	4.859188429	-5.219511378	4.92E-10
peak_14868	chr3	28233480	28233945	-6898	Intergenic	NM_001005596	rbfox1	-0.360322949	4.859594462	-5.219917411	1.65E-06
peak_2463	chr20	25057672	25058202	-65292	Intergenic	NM_001044979	epha7	1.44299439	6.662942535	-5.219948144	1.20E-16
peak_10493	chr25	19092414	19092746	17952	intron (NM_001007124, intron 1 of 19)	NM_001007124	met	0.215200887	5.439386059	-5.224185172	2.71E-08
peak_10950	chr2	55618831	55619265	-139717	Intergenic	NM_001083017	rnf126	-0.360322949	4.863868834	-5.224191783	4.63E-08
peak_13953	chr1	47298778	47299060	30957	Intergenic	NM_001278811	si:ch73-160h15.3	-0.360322949	4.86691186	-5.227234809	8.08E-07
peak_2600	chr10	40658517	40659050	-9540	Intergenic	NM_001098734	kcnj1b	1.950271315	7.180207507	-5.229936192	2.64E-16
peak_3086	chr7	38404000	38404661	-365107	Intergenic	NM_001146014	sall1a	1.831388386	7.062000353	-5.230611967	2.81E-15
peak_2637	chr7	32875418	32876134	-99840	Intergenic	NM_001199362	cilp	2.430813397	7.663259678	-5.232446281	3.18E-16

peak_14815	chr13	30094209	30094596	-55294	Intergenic	NM_001017994	cuedc2	-0.360322949	4.873564786	-5.233887735	1.59E-06
peak_10595	chr2	31909522	31909830	70486	Intergenic	NM_200070	fam49ba	-0.360322949	4.875725878	-5.236048827	3.06E-08
peak_3801	chr5	48486124	48486756	-210375	Intergenic	NM_199995	cox7c	1.66069094	6.89713992	-5.23644898	5.02E-14
peak_22759	chr11	8474110	8474566	-160424	Intergenic	NM_001002332	uox	-0.360322949	4.876141188	-5.236464137	0.000151
peak_29036	chr3	41928622	41929356	16708	Intergenic	NM_130971	lfng	-0.360322949	4.876203318	-5.236526267	0.001527
peak_3050	chr17	16219628	16220029	-36201	Intergenic	NM_001110117	kcnk13a	1.787481669	7.024594048	-5.237112379	2.45E-15
peak_6221	chr10	45014056	45014331	42074	Intergenic	NR_045221		0.215200887	5.452696065	-5.237495178	3.91E-11
peak_10178	chr18	4151184	4151473	157673	Intergenic	NM_200555	pdcd10a	-0.360322949	4.877661003	-5.237983952	1.89E-08
peak_16819	chr12	34539025	34539536	183118	Intergenic	NM_130982	nog3	-0.360322949	4.882281869	-5.242604818	6.36E-06
peak_33488	chr9	41565415	41565755	-54135	Intergenic	NM_001128564	vwc2l	-0.360322949	4.883175537	-5.243498486	0.004904
peak_10309	chr14	35210324	35210584	59487	Intergenic	NM_199741	med7	-0.360322949	4.88468355	-5.245006499	2.20E-08
peak_11148	chr25	3115529	3115770	43492	3' UTR (NM_001089539, exon 23 of 23)	NM_001089539	hps5	-0.360322949	4.885807858	-5.246130807	5.76E-08
peak_15984	chr15	25276642	25277172	44385	intron (NM_001017861, intron 9 of 10)	NR_030080		1.426730103	6.674405522	-5.247675419	3.73E-06
peak_8423	chr13	48832614	48832988	-46481	Intergenic	NM_001098262	zmp:000000113	-0.360322949	4.887478085	-5.247801034	1.90E-09
peak_20400	chr4	27557601	27557936	106205	Intergenic	NM_001020599	trmu	-0.360322949	4.887728581	-5.24805153	5.08E-05
peak_3881	chr17	24121864	24122286	-24850	Intergenic	NM_131250	otx1b	0.978440673	6.226961607	-5.248520935	6.97E-14
peak_4554	chr7	15182446	15182973	13991	Intergenic	NM_001089577	rhcga	3.119490251	8.369198615	-5.249708363	6.23E-13
peak_12052	chr11	28634720	28635083	-51461	Intergenic	NR_023337		-0.360322949	4.889575443	-5.249898392	1.41E-07
peak_8571	chr17	28904837	28905796	-34606	Intergenic	NM_001003822	g2e3	3.309268024	8.559575777	-5.250307753	2.28E-09
peak_8464	chr9	32237988	32238315	37132	intron (NM_001037416, intron 1 of 7)	NM_001037416	clybl	-0.360322949	4.891979505	-5.252302454	2.00E-09
peak_20196	chr6	9810906	9811237	7519	intron (NM_001080085, intron 1 of 9)	NM_001080085	palm3	-0.360322949	4.893022976	-5.253345925	4.58E-05
peak_8966	chr1	47941996	47942215	-1136	Intergenic	NM_131809	cx44.1	-0.360322949	4.893417718	-5.253740667	4.00E-09
peak_10395	chr9	29896868	29897102	3870	intron (NM_001002693, intron 1 of 5)	NM_001111251	LOC100007315	-0.360322949	4.895129332	-5.255452282	2.42E-08
peak_8108	chr5	49788350	49788627	-30257	Intergenic	NM_001013453	ccnh	-0.360322949	4.895473239	-5.255796189	1.15E-09
peak_13287	chr21	37260794	37261094	-11890	Intergenic	NM_001080058	zgc:158291	-0.360322949	4.8978015	-5.258124449	4.58E-07
peak_1695	chr14	27683970	27684724	29570	Intergenic	NM_131041	neurog1	3.498630944	8.757554297	-5.258923353	5.84E-19
peak_8900	chr16	35103764	35104298	52973	Intergenic	NM_001114427	zgc:172323	-0.360322949	4.901207415	-5.261530364	3.64E-09
peak_18447	chr14	2315556	2315998	5918	Intergenic	NR_039355		-0.360322949	4.901304364	-5.261627313	1.73E-05
peak_5587	chr20	23255204	23255904	-14471	Intergenic	NM_200302	ociad1	0.625495796	5.888329246	-5.26283345	9.64E-12
peak_3180	chr3	23906993	23907947	-11995	Intergenic	NM_213028	atp5g1	1.95594936	7.220090252	-5.264140892	4.00E-15
peak_8973	chr13	9763954	9764344	-33742	Intergenic	NM_131783	six2a	-0.360322949	4.908172858	-5.268495808	4.04E-09
peak_7238	chr8	28325483	28325887	-42372	Intergenic	NM_001130795	si:ch211-254n4.3	0.234016866	5.505848023	-5.271831157	2.75E-10
peak_13475	chr17	35048572	35048993	75713	Intergenic	NM_201291	id2a	0.215200887	5.487914024	-5.272713137	5.42E-07
peak_6814	chr20	37719265	37719484	65646	Intergenic	NM_001083097	adat2	-0.360322949	4.913411471	-5.27373442	1.22E-10
peak_4633	chr4	17128995	17129353	140421	intron (NM_001100017, intron 11 of 25)	NM_001100017	anks1b	0.653720264	5.927529109	-5.273808845	7.79E-13
peak_4338	chr6	32700018	32700425	-74263	Intergenic	NM_001042687	pomgnt1	0.944570835	6.21868256	-5.274111726	3.08E-13
peak_22223	chr9	2721525	2722025	-39131	Intergenic	NM_001089498	sp3a	-0.360322949	4.91455823	-5.274881179	0.00012
peak_9052	chr15	27105209	27105825	-46280	Intergenic	NM_131216	lhx1a	3.519982194	8.795762019	-5.275779826	4.55E-09
peak_5823	chr24	21875279	21875938	-8211	Intergenic	NM_001005393	boc	2.834474036	8.110359229	-5.275885194	1.58E-11
peak_22987	chr25	6832334	6832721	28335	exon (NM_001122855, exon 2 of 2)	NM_001122855	snx33	-0.360322949	4.916330783	-5.276653732	0.000168
peak_5407	chr11	43163799	43164373	-60500	Intergenic	NM_001105592	her15.2	2.200926086	7.478784796	-5.277858709	6.06E-12
peak_20085	chr15	14065077	14065463	5886	Intergenic	NM_001030247	zgc:114130	0.215200887	5.493220002	-5.278019115	4.32E-05
peak_11237	chr24	9940329	9940681	110041	Intergenic	NM_213106_1	zgc:63694	-0.360322949	4.918688095	-5.279011044	6.26E-08
peak_22610	chr6	36617343	36618020	125951	Intergenic	NM_001007298	opa1	-0.360322949	4.918761704	-5.279084654	0.000142
peak_18037	chr24	20580711	20581010	44409	Intergenic	NM_001077372	zgc:153639	-0.360322949	4.920628089	-5.280951038	1.39E-05
peak_11785	chr19	36880209	36880707	29446	Intergenic	NM_001020633	ndufs5	-0.360322949	4.9214854	-5.281808349	1.08E-07
peak_20732	chr24	33514855	33515325	133415	Intergenic	NM_131872	vim	-0.360322949	4.921851069	-5.282174018	5.94E-05
peak_18034	chr2	42738000	42738344	-87342	Intergenic	NM_001202454	basp1	-0.360322949	4.923110718	-5.283433667	1.39E-05
peak_5142	chr5	50469823	50470293	3820	intron (NM_001001845, intron 1 of 89)	NM_001001845	gpr98	0.625495796	5.909588828	-5.284093032	3.31E-12
peak_8510	chr13	35155071	35155422	-75790	Intergenic	NM_001003562	sptlc3	-0.360322949	4.924601986	-5.284924935	2.13E-09
peak_9227	chr13	34449038	34449423	-397595	intron (NM_200549, intron 6 of 19)	NM_001256646	flrt3	-0.360322949	4.925517312	-5.285840261	5.73E-09
peak_18219	chr1	55716550	55716897	5693	exon (NM_001089547, exon 5 of 15)	NM_001089547	zgc:158803	-0.360322949	4.925673208	-5.285996158	1.54E-05
peak_12192	chr18	40930098	40930443	-130299	Intergenic	NM_199804	cntn5	-0.360322949	4.925902569	-5.286225518	1.62E-07
peak_5019	chr2	4179170	4179504	-10996	Intergenic	NM_194424	egfra	0.639677051	5.927081408	-5.287404357	2.34E-12
peak_20809	chr4	7885978	7886341	193299	Intergenic	NM_001260500	scube1	-0.360322949	4.927247321	-5.28757027	6.14E-05
peak_17170	chr6	39332745	39333023	41561	intron (NM_001045183, intron 20 of 25)	NM_200568	zgc:77517	-0.360322949	4.927955394	-5.288278343	7.85E-06
peak_9435	chr21	16286332	16286782	-105542	Intergenic	NM_001161551	rxraa	1.205700064	6.495002401	-5.289302337	7.70E-09
peak_18650	chr17	20655420	20655788	-98240	Intergenic	NM_212564	cdk1	-0.360322949	4.92969106	-5.290014009	1.94E-05
peak_17088	chr11	25897566	25897846	-30645	intron (NM_200936, intron 1 of 20)	NM_001007295	zgc:92107	-0.360322949	4.930000696	-5.290323645	7.43E-06
peak_881	chr3	46848494	46851209	5761	exon (NM_131449, exon 2 of 6)	NM_131449	elavl3	5.399781695	10.69045829	-5.290676598	3.75E-23
peak_9663	chr3	3059557	3059846	58020	Intergenic	NM_001098774	zgc:165583	-0.360322949	4.931508354	-5.291831303	1.04E-08
peak_9143	chr10	22049155	22049451	36182	Intergenic	NM_001024126	pcdh1g30	-0.360322949	4.931764238	-5.292087187	5.10E-09
peak_1339	chr10	10286310	10287703	8444	Intergenic	NR_029938		4.456075431	9.748608371	-5.29253294	1.87E-20
peak_19745	chr16	12600522	12600878	55785	Intergenic	NM_131602	dedd1	-0.360322949	4.933535498	-5.293858447	3.54E-05
peak_2807	chr16	31468157	31469026	24129	Intergenic	NR_029995		3.408090078	8.702394769	-5.294304691	7.90E-16
peak_3187	chr14	10921812	10922442	39091	intron (NM_200653, intron 30 of 34)	NM_001040407	fgf16	1.426730103	6.721189782	-5.294459679	4.15E-15
peak_11352	chr5	11131954	11132269	14283	Intergenic	NM_001083817	LOC553308	-0.360322949	4.934749663	-5.295072612	7.03E-08
peak_4833	chr22	40060343	40061047	171439	Intergenic	NM_001003462	trim35-36	1.618352549	6.915761485	-5.297408936	1.40E-12
peak_26040	chr14	25592818	25593204	-30464	intron (NM_131736, intron 6 of 35)	NR_030121		-0.360322949	4.941205971	-5.30152892	0.000558
peak_17043	chr7	31691290	31691735	12510	intron (NM_131850, intron 1 of 12)	NM_131850	aldh1a2	-0.360322949	4.942289017	-5.302611966	7.21E-06
peak_11182	chr23	691023	691345	32964	Intergenic	NM_212879	irf10	-0.360322949	4.942832157	-5.303155106	5.95E-08
peak_16965	chr4	14425705	14426029	59977	intron (NM_001004495, intron 2 of 30)	NM_001004495	plxna4	-0.360322949	4.943417706	-5.303740655	6.91E-06
peak_13391	chr17	46383660	46384060	408191	Intergenic	NR_029933		-0.360322949	4.947681126	-5.308004075	5.09E-07
peak_17224	chr11	31774431	31774735	154735	Intergenic	NM_200716	zgc:73111	-0.360322949	4.951702713	-5.312025662	8.15E-06
peak_3061	chr23	1820134	1820764	94867	Intergenic	NM_001076663	rabggta	1.938847741	7.251082675	-5.312234934	2.58E-15
peak_8481	chr3	35514971	35515254	23669	Intergenic	NM_001193674	rbbp6	-0.360322949	4.953294232	-5.313617181	2.04E-09
peak_9243	chr7	56034736	56035159	34981	intron (NM_001077575, intron 11 of 12)	NM_001077575	trip4	0.978440673	6.294712346	-5.316271673	5.83E-09
peak_11926	chr22	10634234	10634508	14946	intron (NM_001014324, intron 7 of 12)	NM_001014324	ippk	-0.360322949	4.95648205	-5.316804999	1.26E-07
peak_27623	chr1	47403344	47403733	18219	intron (NM_001145586, intron 2 of 10)	NM_001145586	pdxkb	-0.360322949	4.958698744	-5.319021693	0.000967
peak_8636	chr24	43020448	43020715	-7932	Intergenic	NM_200729	zgc:73144	-0.360322949	4.961288717	-5.321611666	2.46E-09
peak_6656	chr7	38387030	38387289	366238	Intergenic	NR_036681		-0.360322949	4.961446743	-5.321769692	9.07E-11
peak_8334	chr2	21692710	21693778	41687	Intergenic	NM_001017571	ca8	3.073219981	8.397006214	-5.323786232	1.66E-09
peak_15274	chr21	15874193	15874759	61101	Intergenic	NM_001282392	tsc1b	-0.360322949	4.964388983	-5.324711932	2.22E-06
peak_3471	chr5	30971806	30972159	-138429	intron (NM_001114548, intron 28 of 47)	NM_001099979	man1b1	1.215200887	6.541499255	-5.326298368	1.32E-14
peak_20288	chr6	10336024	10336319	-119599	Intergenic	NM_001044895	scn1lab	-0.360322949	4.966071126	-5.326394075	4.80E-05
peak_10332	chr5	31668530	31668818	31422	Intergenic	NR_030068		-0.360322949	4.969852411	-5.33017536	2.26E-08
peak_7117	chr5	65290488	65290912	85845	Intergenic	NM_212616_1	zgc:85789	-0.360322949	4.969906588	-5.330229537	2.17E-10
peak_6744	chr17	36795388	36795807	39798	Intergenic	NM_001128709	htr1b	0.625495796	5.955808799	-5.330313003	1.08E-10
peak_6820	chr2	42304	42679	15747	Intergenic	NM_001168350	adcy1b	-0.360322949	4.969994	-5.330316949	1.23E-10
peak_11778	chr5	3713648	3713997	-123018	Intergenic	NM_001008615	hspb1	-0.360322949	4.970551785	-5.330874734	1.07E-07
peak_20825	chr17	21226373	21226961	21601	intron (NM_182878, intron 5 of 13)	NM_182878	atp6v1ba	-0.360322949	4.971558918	-5.331881867	6.19E-05
peak_1383	chr14	33596883	33597587	-22086	Intergenic	NM_001039135	inppl1b	4.153388562	9.485749657	-5.332361096	3.29E-20
peak_12862	chr6	28842840	28843280	30640	Intergenic	NM_212650	si:dkey-98p3.1	-0.360322949	4.972404862	-5.332727811	3.05E-07
peak_10410	chr2	32836016	32836465	-71263	Intergenic	NM_001076570	rnf220a	-0.360322949	4.97577167	-5.336094619	2.47E-08
peak_3906	chr16	32981463	32982206	73848	Intergenic	NM_001013340	fam210a	1.831388386	7.168349514	-5.336961127	7.40E-14
peak_4812	chr25	34577568	34578336	257576	Intergenic	NM_001172680	zgc:136826	1.243333623	6.583886419	-5.340552796	1.30E-12
peak_11243	chr24	40708128	40708503	-25969	Intergenic	NM_205554	atp6v0cb	-0.360322949	4.980520231	-5.34084318	6.28E-08
peak_3555	chr23	28863515	28863993	37997	intron (NM_131361, intron 1 of 28)	NM_131361	nadl1.2	1.467052111	6.807960996	-5.340908885	1.91E-14
peak_8784	chr20	31095595	31095898	-6700	Intergenic	NM_001030112	otofa	-0.360322949	4.981110802	-5.341433751	3.10E-09
peak_7671	chr4	8498379	8498769	-40317	Intergenic	NM_200145	zgc:55888	0.653720264	5.995542354	-5.34182209	5.72E-10
peak_11485	chr2	27327755	27328074	149390	Intergenic	NM_001020557	tmx3	-0.360322949	4.981787944	-5.342110893	8.10E-08
peak_6950	chr16	7339990	7340369	118600	Intergenic	NM_131059	ctnnb1	0.215200887	5.558099301	-5.342898414	1.56E-10
peak_2915	chr13	13323507	13324084	-115770	Intergenic	NM_198916	foxi2	1.205700064	6.548768351	-5.343068287	1.36E-15
peak_6865	chr4	5612663	5613145	-2140	Intergenic	NM_131289	pou3f2a	3.124540972	8.467928867	-5.343387896	1.31E-10
peak_4557	chr19	34858113	34858383	28886	intron (NM_001127256, intron 3 of 3)	NM_001127256	triqk	0.234016866	5.578391971	-5.344375105	6.33E-13

peak_13158	chr7	28493937	28494498	77801	intron (NM_001123009, intron 4 of 14)	NM_001123009	sox6	-0.360322949	4.987607339	-5.347930288	4.10E-07
peak_3751	chr11	40872052	40872478	-435703	Intergenic	NM_001040387	wnt4a	0.639677051	5.988737769	-5.349060718	4.12E-14
peak_7499	chr2	54201788	54202088	-4233	Intergenic	NM_200690	ranbp3b	0.234016866	5.584724363	-5.350707497	4.32E-10
peak_11799	chr11	16620684	16620895	19189	intron (NM_001030143, intron 3 of 9)	NM_001030143	slc25a26	-0.360322949	4.991113595	-5.351436544	1.09E-07
peak_3696	chr9	57194656	57195219	-60226	Intergenic	NM_001082994	tbl1x	1.205700064	6.558722214	-5.35302215	3.29E-14
peak_19520	chr2	24623228	24623561	-14266	Intergenic	NM_001003419	rab3aa	-0.360322949	4.993598486	-5.353921435	3.13E-05
peak_17472	chr5	75058223	75058629	50934	Intergenic	NM_001114475	fam78ab	-0.360322949	4.997549362	-5.357872311	9.57E-06
peak_10374	chr7	47822137	47822577	192764	Intergenic	NM_130995	ccne1	-0.360322949	4.99776658	-5.358089529	2.36E-08
peak_6280	chr11	43131167	43131742	-27868	Intergenic	NM_001105592	her15.2	2.614767619	7.974385117	-5.359617498	4.41E-11
peak_6174	chr15	38293983	38294229	-80453	Intergenic	NM_131633	robo2	-0.360322949	5.001721019	-5.362043968	3.55E-11
peak_5029	chr11	36380521	36381125	175589	Intergenic	NM_200450	camkvb	2.210458296	7.572745523	-5.362287226	2.40E-12
peak_2116	chr10	30052956	30054204	-26713	Intergenic	NM_001012378	dlg2	3.484950298	8.847736813	-5.362786515	1.31E-17
peak_4912	chr7	38361372	38362121	340825	Intergenic	NR_036681		1.984009138	7.348103576	-5.364094438	1.77E-12
peak_5353	chr11	19706115	19706712	126983	Intergenic	NM_001257196	adamts9	0.944570835	6.308677274	-5.364106439	5.29E-12
peak_11407	chr22	41357474	41357751	11285	intron (NM_001020665, intron 1 of 3)	NM_001020665	ptk7a	-0.360322949	5.00401807	-5.364341019	7.49E-08
peak_10030	chr23	10194436	10194892	-58767	Intergenic	NM_001111167	zgc:171775	0.944570835	6.309574674	-5.365003839	1.61E-08
peak_8882	chr1	46847981	46848276	-54452	Intergenic	NM_001004513	tubgcp3	-0.360322949	5.005357789	-5.365680738	3.54E-09
peak_7591	chr12	27120454	27120716	-7817	Intergenic	NM_131363	six3b	-0.360322949	5.005574385	-5.365897334	5.03E-10
peak_17181	chr11	32995290	32995629	408256	Intergenic	NM_001003624	diaph3	-0.360322949	5.005779743	-5.366102692	7.91E-06
peak_4908	chr2	31959481	31959993	20425	intron (NM_200070, intron 1 of 10)	NM_200070	fam49ba	2.702019304	8.068925987	-5.366906683	1.76E-12
peak_16701	chr21	13747862	13748149	-56320	Intergenic	NM_131448	smarcb1b	-0.360322949	5.006804654	-5.367127603	5.96E-06
peak_12938	chr24	28604586	28604893	144697	Intergenic	NM_001080203	hs6st1b	0.215200887	5.583282157	-5.36808127	3.29E-07
peak_13296	chr13	30689665	30690074	-40514	Intergenic	NM_001113339	zmiz1a	-0.360322949	5.008748093	-5.369071042	4.62E-07
peak_4357	chr21	3556032	3556744	132981	Intergenic	NM_175082	smad7	0.653720264	6.024460235	-5.370739971	3.25E-13
peak_9487	chr9	492822	493246	-50874	Intergenic	NM_001080074_1	zgc:158316	0.234016866	5.606071888	-5.372055022	8.25E-09
peak_8963	chr5	40971151	40971529	108597	Intergenic	NM_001044709	antxr2a	-0.360322949	5.014952918	-5.375275867	3.98E-09
peak_6467	chr6	26376636	26377171	-108792	Intergenic	NM_001037680	sox14	1.205700064	6.58291566	-5.377215595	6.25E-11
peak_16608	chr20	19050266	19050616	-15171	intron (NM_001045070, intron 9 of 9)	NM_213245	tdh	-0.360322949	5.017397667	-5.377720616	5.62E-06
peak_20925	chr19	2502567	2503026	43349	Intergenic	NM_213241	sp8a	-0.360322949	5.021465186	-5.381788135	6.47E-05
peak_4408	chr9	33812274	33812739	-25683	Intergenic	NM_178100	olig2	1.467052111	6.850284237	-5.383232126	3.97E-13
peak_12757	chr2	33823877	33824261	-5923	Intergenic	NM_213001	klhl20	-0.360322949	5.0231151	-5.383438049	2.79E-07
peak_1630	chr22	26681101	26682612	5227	intron (NM_194426, intron 2 of 6)	NM_194426	pdgfaa	4.582906532	9.966963067	-5.384056536	3.47E-19
peak_17583	chr13	29256230	29256637	-95580	Intergenic	NM_001111149	unc5b	-0.360322949	5.025900341	-5.38622329	1.04E-05
peak_9116	chr13	17496639	17497005	16513	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	-0.360322949	5.025949562	-5.386272511	4.93E-09
peak_17396	chr13	30010677	30010950	16252	intron (NM_131184, intron 6 of 9)	NM_131184	pax2a	-0.360322949	5.028671995	-5.388994944	9.11E-06
peak_5524	chr4	14896003	14896663	-137542	Intergenic	NM_001044894	si:dkey-117n7.5	0.625495796	6.014926017	-5.389430221	8.04E-12
peak_12528	chr10	4201973	4202397	131792	Intergenic	NR_029954		-0.360322949	5.029807413	-5.390130362	2.25E-07
peak_8680	chr20	30583717	30584043	-21028	exon (NM_001044899, exon 11 of 21)	NM_001002125	fgfr1op	-0.360322949	5.030118205	-5.390441154	2.64E-09
peak_1393	chr2	21895440	21897098	53045	intron (NM_001256694, intron 8 of 9)	NM_201173	cyp7a1a	4.057383766	9.450825897	-5.393442131	3.59E-20
peak_8023	chr13	25270306	25270726	151476	intron (NM_001272084, intron 6 of 10)	NM_001272084	adka	-0.360322949	5.034682536	-5.395005485	9.90E-10
peak_17482	chr3	22027308	22027720	-221660	Intergenic	NM_201449	cdc27	-0.360322949	5.034697039	-5.395019988	9.62E-06
peak_18964	chr16	31909188	31909585	12634	intron (NM_131196, intron 1 of 9)	NM_131196	tmod4	-0.360322949	5.036309217	-5.396632166	2.32E-05
peak_6290	chr9	14509695	14510088	-124811	Intergenic	NM_001040366	prkag3b	-0.360322949	5.037082161	-5.39740511	4.47E-11
peak_9668	chr19	13221852	13222142	48537	Intergenic	NM_001044994	si:ch211-105d11.	-0.360322949	5.03806657	-5.398389519	1.04E-08
peak_17154	chr1	36150983	36151362	6121	Intergenic	NM_212807	pou4f2	-0.360322949	5.038288316	-5.398611265	7.77E-06
peak_8450	chr10	33062212	33062533	3238	exon (NM_131076, exon 3 of 6)	NM_131076	wnt11r	-0.360322949	5.043239072	-5.403562021	1.97E-09
peak_9269	chr23	5028861	5029330	2238	intron (NM_131064, intron 1 of 3)	NM_131064	ntf7	-0.360322949	5.044068596	-5.404391545	6.06E-09
peak_12903	chr20	22496794	22497059	-26009	Intergenic	NM_001025512	gsx2	-0.360322949	5.046121894	-5.406444843	3.17E-07
peak_10788	chr9	35301913	35302367	11503	intron (NM_001089329, intron 1 of 12)	NM_001089329	pou2f1b	-0.360322949	5.047916792	-5.408239741	3.81E-08
peak_5639	chr5	60005035	60005435	-13729	Intergenic	NM_001199683	pou2f3	1.950271315	7.3609583	-5.410686985	1.07E-11
peak_17463	chr18	38793664	38794030	12209	intron (NM_001017885, intron 2 of 8)	NM_001017885	chrna5	-0.360322949	5.050481079	-5.410804028	9.50E-06
peak_18767	chr6	19371685	19371947	-6215	exon (NM_001082824, exon 10 of 16)	NM_001082829	atad5b	-0.360322949	5.051072568	-5.411395518	2.07E-05
peak_14479	chr13	26115927	26116312	39022	intron (NM_001040391, intron 2 of 2)	NM_001040391	bcl11aa	-0.360322949	5.05588732	-5.416210269	1.24E-06
peak_6027	chr7	12923369	12923772	-38977	Intergenic	NM_001080993	mex3b	0.234016866	5.653606976	-5.41959011	2.53E-11
peak_1990	chr21	22571762	22572337	13440	intron (NM_199635, intron 2 of 4)	NM_199635	zbtb16a	2.947423891	8.36942666	-5.422002769	5.89E-18
peak_16984	chr3	26472899	26473279	-19928	Intergenic	NM_001172397	xylt1	-0.360322949	5.061905775	-5.422228724	6.98E-06
peak_5287	chr16	7463979	7464583	-5502	Intergenic	NM_131059	ctnnb1	1.787481669	7.209875317	-5.422393648	4.64E-12
peak_4934	chr24	4804948	4805670	40095	Intergenic	NM_001110021	cpb1	1.66069094	7.083328692	-5.422637751	1.86E-12
peak_9374	chr5	9798146	9798440	-5619	Intergenic	NM_201339_1	tal2	-0.360322949	5.065128716	-5.425451666	7.06E-09
peak_11026	chr21	32543880	32544183	-157367	Intergenic	NM_200026	rps14	-0.360322949	5.066023461	-5.42634641	5.06E-08
peak_3538	chr20	48298803	48299358	85377	Intergenic	NM_001024665	tfap2b	2.31603542	7.743513439	-5.42747802	1.81E-14
peak_17400	chr23	5866603	5866909	-33485	Intergenic	NM_205567	csrp1a	-0.360322949	5.067411811	-5.42773476	9.13E-06
peak_10412	chr4	6550776	6551107	-27691	intron (NM_001114883, intron 5 of 12)	NM_001201541	tnnt2e	0.234016866	5.661992112	-5.427975245	2.47E-08
peak_11622	chr23	23637711	23637999	57550	Intergenic	NM_131873	her9	-0.360322949	5.067719922	-5.428042872	9.22E-08
peak_3835	chr19	2584579	2584931	-38610	Intergenic	NM_213241	sp8a	0.653720264	6.082431062	-5.428710798	5.83E-14
peak_12996	chr4	16188054	16188511	-64202	Intergenic	NM_001033585	sox5	-0.360322949	5.068618061	-5.42894101	3.50E-07
peak_16789	chr6	31822868	31823138	-37038	Intergenic	NM_131290	foxd3	-0.360322949	5.068701463	-5.429024412	6.28E-06
peak_4015	chr21	25418797	25419185	2707	intron (NM_200039, intron 2 of 4)	NM_200039	sdf2	0.625495796	6.058267691	-5.432771895	1.09E-13
peak_2569	chr16	8355381	8356012	46669	Intergenic	NM_199560	nt5c3a	2.243333623	7.676126187	-5.432792564	2.13E-16
peak_3550	chr3	40545921	40546504	-21648	Intergenic	NM_181601	actb2	1.984009138	7.417573771	-5.433564633	1.91E-14
peak_4678	chr4	19610264	19610818	-138146	Intergenic	NM_001045143	nav3	1.787481669	7.224076129	-5.43659446	8.70E-13
peak_9509	chr20	28396278	28396633	2107	exon (NM_001012250, exon 3 of 3)	NM_001012250	rhov	-0.360322949	5.076469537	-5.436792486	8.41E-09
peak_8331	chr13	50630775	50631103	-48020	Intergenic	NM_213036	tomm20a	-0.360322949	5.077165904	-5.437488853	1.66E-09
peak_5916	chr13	25675766	25676133	2360	Intergenic	NM_131632	atoh7	0.653720264	6.095152113	-5.441431849	1.95E-11
peak_6014	chr20	24647472	24647778	337716	Intergenic	NM_131459_1	pdgfra	0.215200887	5.657250565	-5.442049678	2.45E-11
peak_4674	chr21	26526226	26526851	-9030	Intergenic	NM_001089419	slc8a4a	0.625495796	6.067758627	-5.442262831	8.56E-13
peak_3633	chr11	42440555	42440999	58913	intron (NM_131332_1, intron 3 of 3)	NM_131324_1	pax7a	0.978440673	6.421283295	-5.442842622	2.61E-14
peak_4561	chr1	51373005	51373298	-25669	Intergenic	NM_001099240	zgc:154142	0.234016866	5.679297022	-5.445280156	6.39E-13
peak_2297	chr24	24188974	24189967	89862	Intergenic	NM_001075111	hnf4g	2.238682765	7.684068711	-5.445385946	4.77E-17
peak_9418	chr24	1553504	1554024	94572	Intergenic	NM_001113644_4	zgc:172101	0.978440673	6.427104946	-5.448664274	7.55E-09
peak_12758	chr2	52670096	52670491	16721	exon (NM_001110836, exon 6 of 6)	NM_001110836	si:ch211-137c4.4	-0.360322949	5.088884079	-5.449207028	2.80E-07
peak_16946	chr6	29903418	29903731	75992	Intergenic	NM_199862	lrrc40	-0.360322949	5.089756425	-5.450079374	6.85E-06
peak_10650	chr18	17026838	17027179	31462	intron (NM_001039460, intron 1 of 8)	NM_001039460	zfpm1	-0.360322949	5.089817666	-5.450140615	3.32E-08
peak_6022	chr24	24217099	24217400	62083	Intergenic	NM_001075111	hnf4g	-0.360322949	5.091603317	-5.451926266	2.50E-11
peak_1609	chr11	43121144	43121713	-17842	Intergenic	NM_001105592	her15.2	2.342286181	7.796535346	-5.454249165	2.81E-19
peak_7240	chr13	33630580	33630945	-8072	exon (NM_199898, exon 9 of 22)	NM_001114925	btbd6a	-0.360322949	5.094200528	-5.454523477	2.75E-10
peak_27316	chr15	14067440	14068077	3398	3' UTR (NM_001030247, exon 2 of 2)	NM_001030247	zgc:114130	-0.360322949	5.094222725	-5.454545674	0.000866
peak_11548	chr21	28282143	28282473	-70558	Intergenic	NM_001198550	ppp3ca	-0.360322949	5.094319089	-5.454642039	8.64E-08
peak_10313	chr7	54504313	54504866	-72723	Intergenic	NM_131025	ccnd1	0.967238845	6.423185869	-5.455947024	2.21E-08
peak_16180	chr20	1974931	1975341	-171352	intron (NM_001278799, intron 25 of 49)	NM_001245964	l3mbtl3	-0.360322949	5.096678008	-5.457000957	4.22E-06
peak_7514	chr25	13248052	13248490	19809	intron (NM_001126430, intron 11 of 11)	NM_001126430	klhdc4	0.215200887	5.673946463	-5.458745576	4.45E-10
peak_10991	chr24	24220301	24220694	58835	Intergenic	NM_001075111	hnf4g	-0.360322949	5.09965196	-5.459974909	4.89E-08
peak_17566	chr4	7935081	7935455	144190	Intergenic	NM_001260500	scube1	-0.360322949	5.099993122	-5.460316071	1.03E-05
peak_7803	chr18	7763251	7763576	-21615	Intergenic	NM_001100012	chkb	-0.360322949	5.101256626	-5.461579575	6.95E-10
peak_21375	chr1	51818179	51818586	87340	Intergenic	NM_001082894	ndufaf5	-0.360322949	5.101933202	-5.462256151	8.06E-05
peak_10916	chr23	2300876	2301318	-134233	Intergenic	NM_131230	tcp1	-0.360322949	5.102476539	-5.462799488	4.48E-08
peak_3094	chr4	16100590	16101418	23076	intron (NM_001033585, intron 3 of 14)	NM_001033585	sox5	1.984009138	7.448434849	-5.464425711	2.85E-15
peak_9606	chr12	36319458	36319735	-42867	intron (NM_200842, intron 4 of 6)	NM_001105598	timm23	-0.360322949	5.104355897	-5.464678846	9.65E-09
peak_1468	chr2	7744875	7745740	56186	intron (NM_131097, intron 9 of 15)	NM_131097	ephb3a	3.581988855	9.049202059	-5.467213204	8.00E-20
peak_6106	chr17	38537883	38538555	74819	Intergenic	NM_001256179	mbip	2.834474036	8.301824338	-5.467350302	3.10E-11
peak_10104	chr19	28649325	28649739	-33212	Intergenic	NM_131823	irx1b	-0.360322949	5.107587239	-5.467910188	1.75E-08
peak_11747	chr12	44284468	44284755	-1973	Intergenic	NM_001080602	ebf3	-0.360322949	5.107708459	-5.468031408	1.03E-07
peak_7481	chr14	29188372	29188738	-86152	Intergenic	NM_200688	zgc:64189	-0.360322949	5.107887722	-5.468210671	4.17E-10
peak_17008	chr15	32270141	32270462	129867	Intergenic	NM_199743	zgc:73340	-0.360322949	5.10814092	-5.468463869	7.06E-06
peak_18122	chr21	43848869	43849245	68030	intron (NM_001012389, intron 2 of 10)	NM_001001404	vdac1	-0.360322949	5.110492726	-5.470815675	1.47E-05

peak_8640	chr24	20295441	20295826	-28129	Intergenic	NM_199619	csrnp1b	-0.360322949	5.111069037	-5.471391986	2.47E-09
peak_5165	chr8	29385320	29385710	9883	Intergenic	NM_213637	scrt2	0.95594936	6.427687284	-5.471737923	3.46E-12
peak_6204	chr6	6449849	6450135	42164	intron (NM_001100951, intron 2 of 2)	NM_001100951	bcl11ab	-0.360322949	5.114033491	-5.47435644	3.76E-11
peak_7131	chr1	25683440	25683736	-41559	Intergenic	NM_001037692	zgc:123172	-0.360322949	5.114334931	-5.47465788	2.22E-10
peak_4565	chr4	16269260	16269904	-43607	Intergenic	NM_001099454	casc1	0.234016866	5.709035923	-5.475019056	6.42E-13
peak_7059	chr12	30996239	30996563	208121	Intergenic	NM_001111150	bms1l	-0.360322949	5.115242841	-5.47556579	1.94E-10
peak_8169	chr4	5441688	5442080	29189	Intergenic	NM_001044855	vegfab	-0.360322949	5.116777697	-5.477100646	1.26E-09
peak_12229	chr13	30229760	30230234	-135	promoter-TSS (NM_130959)	NM_130959	wnt8b	-0.360322949	5.117998018	-5.478320967	1.67E-07
peak_6665	chr15	13261080	13261297	117901	Intergenic	NM_199847	fxyd6	-0.360322949	5.119404199	-5.479727148	9.20E-11
peak_7614	chr24	25069602	25070367	478	exon (NM_200955, exon 1 of 1)	NM_200955	bhlhe22	-0.360322949	5.11991175	-5.480234699	5.23E-10
peak_2565	chr3	35545473	35545992	54289	Intergenic	NM_001193674	rbbp6	1.825197218	7.305586724	-5.480389506	2.06E-16
peak_6041	chr3	54028360	54028602	73419	Intergenic	NM_001044783	xab2	-0.360322949	5.120693821	-5.48101677	2.62E-11
peak_16233	chr13	35329900	35330217	-230755	Intergenic	NM_131863	jag1b	-0.360322949	5.123089563	-5.483412512	4.37E-06
peak_10534	chr7	17868758	17869123	-2610	Intergenic	NM_131681	htatip2	-0.360322949	5.123169067	-5.483492016	2.83E-08
peak_5816	chr11	2279176	2279522	-50393	Intergenic	NM_200495	hnrnpa1a	-0.360322949	5.123355027	-5.483677976	1.57E-11
peak_2993	chr11	44800550	44801084	-99660	Intergenic	NM_001015069_1	gli2b	1.66069094	7.146150771	-5.485459831	1.97E-15
peak_12568	chr17	53345689	53346016	-1345	Intergenic	NM_131896	meis2a	-0.360322949	5.126035454	-5.486358403	2.32E-07
peak_17207	chr9	26232027	26232476	-17296	Intergenic	NM_001017796	esd	-0.360322949	5.129771489	-5.490094438	8.01E-06
peak_5983	chr23	9109329	9109670	13444	intron (NM_001012253, intron 2 of 2)	NM_001012253	xkr7	-0.360322949	5.131115989	-5.491438938	2.25E-11
peak_1461	chr18	22440330	22441080	53782	intron (NM_001135133, intron 2 of 6)	NM_001135133	bcar1	3.171803318	8.664492747	-5.492689429	7.69E-20
peak_3111	chr13	33990482	33991022	60883	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	1.618352549	7.111683125	-5.493330576	3.02E-15
peak_19828	chr7	55276005	55276665	50739	intron (NM_173218, intron 12 of 28)	NM_200845	rps17	-0.360322949	5.135055195	-5.495378144	3.73E-05
peak_6461	chr1	47041329	47041995	-54315	Intergenic	NM_001007327	cab39l	1.205700064	6.702869769	-5.497169705	6.20E-11
peak_1254	chr6	7325163	7325741	-5636	Intergenic	NM_131286	sox21a	2.451058288	7.948523006	-5.497464719	8.50E-21
peak_13331	chr10	35527373	35527901	-185653	Intergenic	NM_001013500	nbeaa	-0.360322949	5.13721395	-5.497536899	4.81E-07
peak_9472	chr19	34713192	34713559	21570	Intergenic	NM_001083083	nkd3l	-0.360322949	5.13898557	-5.499308519	8.05E-09
peak_16673	chr13	3073993	3074394	94088	intron (NM_001017635, intron 2 of 6)	NM_001017635	park2	-0.360322949	5.139274713	-5.499597662	5.84E-06
peak_1034	chr23	27904778	27905647	-11025	Intergenic	NM_200025	rps26	3.219927938	8.721295801	-5.501367862	4.27E-22
peak_7594	chr6	48091805	48092197	-3542	Intergenic	NM_201202	phc2b	-0.360322949	5.142146512	-5.502469461	5.07E-10
peak_4434	chr12	32721272	32721998	68653	intron (NM_131259, intron 4 of 14)	NM_131259	tcf7l2	2.363802745	7.871173937	-5.507371192	4.36E-13
peak_9451	chr13	46975361	46975763	65055	intron (NM_178303, intron 6 of 17)	NM_001243004	fgfr2	-0.360322949	5.14709539	-5.507418339	7.86E-09
peak_11413	chr21	15986471	15986734	7405	Intergenic	NM_001018132	barhl1b	-0.360322949	5.149926692	-5.510249641	7.52E-08
peak_17563	chr11	42382035	42382650	-10627	Intergenic	NM_131332	pax7a	-0.360322949	5.150250543	-5.510573492	1.03E-05
peak_4736	chr15	27085842	27086476	-26922	Intergenic	NM_131216	lhx1a	0.978440673	6.490687513	-5.51224684	1.04E-12
peak_17944	chr6	10787979	10788203	5413	exon (NM_212575, exon 8 of 10)	NM_212575	mtx2	-0.360322949	5.152520987	-5.512843936	1.32E-05
peak_8955	chr7	47900770	47901159	271371	Intergenic	NM_130995	ccne1	-0.360322949	5.154286093	-5.514609042	3.94E-09
peak_3227	chr13	34348057	34348538	-296662	intron (NM_200549, intron 5 of 19)	NM_001256646	flrt3	1.984009138	7.498800995	-5.514791857	4.85E-15
peak_6030	chr16	6416594	6416850	26183	Intergenic	NM_200796	elovl4a	-0.360322949	5.155856527	-5.516179476	2.54E-11
peak_7039	chr7	57364391	57364676	2680	intron (NM_212606, intron 1 of 15)	NM_212606	cdh15	0.215200887	5.732374847	-5.51717396	1.84E-10
peak_2079	chr9	40876014	40876803	-153152	Intergenic	NM_001161762_1	si:zfos-1425h8.1	2.210458296	7.728738776	-5.51828048	1.02E-17
peak_6797	chr18	29826105	29826483	21564	Intergenic	NM_001282139	cmc2	-0.360322949	5.158068765	-5.518391714	1.17E-10
peak_9869	chr10	4656917	4657255	-11822	Intergenic	NM_001002132	lppr1	-0.360322949	5.15940097	-5.519723919	1.35E-08
peak_13121	chr4	8592553	8592891	12200	Intergenic	NM_001018127	kitlgb	-0.360322949	5.159815466	-5.520138415	3.96E-07
peak_2620	chr4	2695514	2695985	-105611	Intergenic	NM_001044997	slco1c1	2.096540606	7.61738017	-5.520839564	2.94E-16
peak_6283	chr5	24327408	24327680	-78	promoter-TSS (NM_001202511)	NM_001202511	glra4b	-0.360322949	5.161422665	-5.521745614	4.42E-11
peak_20523	chr10	6214671	6215073	19601	intron (NM_213293, intron 6 of 6)	NM_001024412	ubxn8	-0.360322949	5.162664277	-5.522987226	5.36E-05
peak_7197	chr22	14985329	14985668	4277	intron (NM_001024811, intron 2 of 10)	NM_001024811	gtpbp1l	-0.360322949	5.164065795	-5.524388744	2.52E-10
peak_3002	chr10	10208258	10208747	86948	Intergenic	NR_029938		1.205700064	6.730758991	-5.525058927	2.05E-15
peak_15959	chr11	44808427	44808912	-91808	Intergenic	NM_001015069_1	gli2b	-0.360322949	5.171199294	-5.531522243	3.65E-06
peak_16034	chr10	25775377	25775750	-55149	Intergenic	NM_200339	chordc1b	-0.360322949	5.171678473	-5.532001422	3.86E-06
peak_6484	chr14	32804380	32804775	-71990	Intergenic	NM_212598	rbmx	0.653720264	6.185843151	-5.532122886	6.59E-11
peak_4626	chr14	34437666	34438027	18667	Intergenic	NM_001013533	lamp2	0.215200887	5.74811297	-5.532912083	7.68E-13
peak_15988	chr24	20106965	20107439	39199	intron (NM_001003846, intron 5 of 18)	NM_001003846	sulf1	-0.360322949	5.174034734	-5.534357683	3.74E-06
peak_755	chr11	29216378	29217193	121804	intron (NM_001033094_1, intron 3 of 4)	NM_001033094_1	ephb2b	3.848367416	9.383036949	-5.534669534	4.64E-24
peak_10043	chr13	29316253	29316649	-35562	Intergenic	NM_001111149	unc5b	-0.360322949	5.175703701	-5.53602665	1.63E-08
peak_10380	chr13	36520657	36520988	22259	Intergenic	NM_001002084	med6	-0.360322949	5.176523747	-5.536846696	2.38E-08
peak_5057	chr11	32181849	32182301	-23495	Intergenic	NM_001201559	im:7137555	0.653720264	6.191534022	-5.537813757	2.60E-12
peak_9610	chr11	16955923	16956315	-3261	Intergenic	NM_001110030	kbtbd8	-0.360322949	5.177874541	-5.53819749	9.69E-09
peak_7878	chr18	36898286	36898594	140112	Intergenic	NM_001089357	alx4b	-0.360322949	5.179050852	-5.539373801	7.78E-10
peak_3443	chr10	40246492	40247018	105501	intron (NM_001030224, intron 11 of 32)	NM_001166122	pcp4a	1.205700064	6.746784706	-5.541084642	1.21E-14
peak_5592	chr4	14215318	14215613	-46427	Intergenic	NM_131680	nrf1	-0.360322949	5.184232221	-5.54455517	9.70E-12
peak_2858	chr4	7956620	7957507	122395	Intergenic	NM_001260500	scube1	1.426730103	6.973439923	-5.54670982	1.05E-15
peak_9204	chr13	47032748	47033115	7686	5' UTR (NM_001243005, exon 2 of 18)	NM_001243004	fgfr2	-0.360322949	5.188818342	-5.549141291	5.56E-09
peak_9679	chr10	25011468	25011776	67805	Intergenic	NM_001017825	stoml3b	-0.360322949	5.189038955	-5.549361904	1.05E-08
peak_2442	chr14	33552824	33553393	-66213	Intergenic	NM_001039135	inppl1b	1.66069094	7.210927275	-5.550236334	1.11E-16
peak_6423	chr11	45627479	45628156	21478	Intergenic	NM_200298	map1lc3c	0.653720264	6.205081861	-5.551361597	5.80E-11
peak_5420	chr4	5421382	5421738	11210	Intergenic	NM_001044836	si:dkey-14d8.7	0.215200887	5.767670496	-5.552469609	6.28E-12
peak_5726	chr16	54688601	54689353	-22199	Intergenic	NM_213187	dhdds	3.073219981	8.625891103	-5.552671122	1.27E-11
peak_2346	chr1	36215341	36215838	70538	Intergenic	NM_212807	pou4f2	1.467052111	7.020125571	-5.55307346	6.17E-17
peak_11604	chr21	32434599	32435120	-48195	Intergenic	NM_200026	rps14	0.978440673	6.533293795	-5.554853123	9.10E-08
peak_7771	chr16	21359834	21360229	-133889	Intergenic	NM_205550	sp8b	-0.360322949	5.194709189	-5.555032138	6.68E-10
peak_13409	chr23	6271161	6271523	142895	Intergenic	NM_200558	mybpha	-0.360322949	5.194711499	-5.555034448	5.14E-07
peak_18411	chr4	8035247	8035640	44015	intron (NM_001260500, intron 4 of 20)	NM_001260500	scube1	-0.360322949	5.195513658	-5.555836607	1.70E-05
peak_10357	chr20	27177118	27177433	4827	intron (NM_001025551, intron 2 of 9)	NM_001025551	btbd7	-0.360322949	5.196288892	-5.556611842	2.33E-08
peak_9813	chr8	24346012	24346404	-28741	Intergenic	NM_001014824	sema3gb	-0.360322949	5.196438038	-5.556760987	1.27E-08
peak_9429	chr7	27675470	27675890	3855	intron (NM_001080017, intron 1 of 13)	NM_001080017	tnk2b	-0.360322949	5.197266877	-5.557589826	7.67E-09
peak_16057	chr24	8653864	8654230	-21982	Intergenic	NM_001005603	gcm2	-0.360322949	5.197327163	-5.557650112	3.92E-06
peak_6854	chr25	14743937	14744211	-24170	Intergenic	NM_131178	dbx1b	-0.360322949	5.197898927	-5.558221877	1.30E-10
peak_6347	chr2	25260386	25260639	-266115	Intergenic	NM_001159832	fndc3ba	-0.360322949	5.19793949	-5.558262439	4.98E-11
peak_7172	chr7	45067683	45068073	-307067	Intergenic	NM_131214	cdh11	-0.360322949	5.199586775	-5.559909724	2.39E-10
peak_8725	chr3	44293362	44293744	-1826	Intergenic	NM_001002533_1	rab11fip4a	-0.360322949	5.200207647	-5.560530596	2.85E-09
peak_11433	chr5	49936546	49936828	16288	Intergenic	NR_029998		-0.360322949	5.200455902	-5.560778851	7.67E-08
peak_27119	chr21	6129666	6130153	72591	Intergenic	NM_212591	cdk9	-0.360322949	5.201170907	-5.561493856	0.00081
peak_9829	chr12	2724903	2725207	62207	Intergenic	NM_131721	mapk8b	-0.360322949	5.201332578	-5.561655527	1.29E-08
peak_6255	chr5	28011538	28011831	118755	intron (NM_001128534, intron 4 of 15)	NM_001098190	si:ch211-214j8.1	-0.360322949	5.201364669	-5.561687618	4.22E-11
peak_5280	chr23	23661286	23661618	33953	Intergenic	NM_131873	her9	-0.360322949	5.202978729	-5.563301678	4.59E-12
peak_5727	chr14	30473665	30474171	-171113	Intergenic	NM_001045414	zgc:153146	-0.360322949	5.205411075	-5.565734024	1.27E-11
peak_5343	chr11	14716478	14716817	154489	Intergenic	NM_001122654	ptbp1b	-0.360322949	5.205900526	-5.566223475	5.21E-12
peak_4530	chr4	6015313	6015755	12889	intron (NM_001030082, intron 1 of 20)	NM_001030082	foxp2	0.978440673	6.546298884	-5.567858212	5.88E-13
peak_2393	chr6	41490254	41490820	-23371	Intergenic	NM_001114419	hemk1	1.618352549	7.191490389	-5.573137839	7.78E-17
peak_18737	chr6	44160272	44160706	31840	Intergenic	NM_001110371	ppp4r2b	-0.360322949	5.213463067	-5.573786016	2.03E-05
peak_8762	chr13	9704925	9705192	-92833	Intergenic	NM_131783	six2a	-0.360322949	5.213697176	-5.574020125	2.97E-09
peak_2780	chr8	48007192	48007763	-15133	intron (NM_001004678, intron 9 of 9)	NM_200779	ogdha	1.787481669	7.364469541	-5.576987872	7.03E-16
peak_5855	chr20	42432756	42433158	-22361	Intergenic	NM_001039977	dcbld1	-0.360322949	5.218936597	-5.579259546	1.70E-11
peak_1973	chr1	15313290	15313798	-49696	Intergenic	NM_001115123	pcm1	2.430813397	8.010637838	-5.579824441	5.22E-18
peak_11758	chr9	32521195	32522040	36766	Intergenic	NM_001173502	tmtc4	1.467052111	7.049803859	-5.582751748	1.04E-07
peak_6207	chr16	35793131	35793465	-113479	Intergenic	NM_131161	pou3f1	-0.360322949	5.223431659	-5.583754608	3.78E-11
peak_8866	chr21	6045548	6045976	10765	intron (NM_213437, intron 7 of 15)	NM_213437	fpgs	-0.360322949	5.225271618	-5.585594567	3.47E-09
peak_8249	chr16	43452547	43452892	-167337	Intergenic	NM_131442	gbp	-0.360322949	5.225343531	-5.58566648	1.45E-09
peak_8928	chr17	32371515	32371846	204103	Intergenic	NM_001077604	klf11b	-0.360322949	5.225351474	-5.585674423	3.81E-09
peak_2988	chr23	32963368	32964083	332604	Intergenic	NM_200286	taf8	1.978440673	7.56785007	-5.589409397	1.95E-15
peak_12074	chr5	21351251	21351724	73956	Intergenic	NM_001007349	mvk	-0.360322949	5.22970425	-5.590027199	1.43E-07
peak_16558	chr17	29897993	29898400	38250	intron (NM_212954, intron 3 of 5)	NM_212954	esrrga	-0.360322949	5.229729331	-5.59005228	5.45E-06
peak_23233	chr11	2760645	2761098	18795	intron (NM_001080669, intron 2 of 15)	NM_001080669	srpk1b	-0.360322949	5.230350123	-5.590673072	0.000185
peak_3730	chr7	29462227	29463046	21927	intron (NM_173219, intron 1 of 3)	NM_173219	lmo1	1.459077363	7.049824752	-5.590747388	3.77E-14

peak_5595	chr13	10585637	10586189	50104	Intergenic	NM_200480	dync2li1	0.978440673	6.570327263	-5.59188659	9.78E-12
peak_12546	chr17	36074085	36074627	-15621	Intergenic	NM_131336	sox11a	-0.360322949	5.231846271	-5.59216922	2.28E-07
peak_1433	chr24	20273841	20274277	-6555	Intergenic	NM_199619	csrnp1b	2.224639552	7.817795123	-5.593155572	5.61E-20
peak_2299	chr18	25402622	25403125	73297	Intergenic	NM_001103120	pex11a	2.243333623	7.836836962	-5.593503339	4.77E-17
peak_6003	chr1	51692649	51693236	-7813	Intergenic	NM_001145581	btbd3a	2.935977657	8.530675196	-5.594697539	2.36E-11
peak_7924	chr7	44213027	44213503	-14873	Intergenic	NM_001127306	smarcd3b	-0.360322949	5.235685235	-5.596008184	8.45E-10
peak_7245	chr14	18649294	18649610	-3808	Intergenic	NM_001018105	ogt.1	-0.360322949	5.236139503	-5.596462452	2.77E-10
peak_9680	chr10	15350440	15350877	-18685	Intergenic	NM_199538	trappc13	-0.360322949	5.236422227	-5.596745176	1.05E-08
peak_6093	chr4	5594092	5594497	-20750	Intergenic	NM_131289	pou3f2a	-0.360322949	5.237030882	-5.597353831	2.96E-11
peak_10761	chr24	2707349	2707798	6153	intron (NM_001105594_1, intron 1 of 5)	NM_001105594_1	fars2	-0.360322949	5.239557514	-5.599880463	3.71E-08
peak_19129	chr18	24514138	24514784	168570	Intergenic	NM_200850	lysmd4	-0.360322949	5.242939286	-5.603262235	2.55E-05
peak_7275	chr24	19610737	19611100	-148769	Intergenic	NM_001089499	zgc:162928	-0.360322949	5.24373824	-5.60406119	2.93E-10
peak_2071	chr1	28779821	28780469	-23144	Intergenic	NM_001001820	zic2b	2.215200887	7.820515914	-5.605315027	9.82E-18
peak_7205	chr10	42807674	42808071	7061	intron (NM_001002414, intron 1 of 6)	NM_001002414	cabp1b	-0.360322949	5.245283135	-5.605606084	2.57E-10
peak_2907	chr19	36658537	36659151	-74627	Intergenic	NM_001044971	bmp8a	2.205700064	7.811402929	-5.605702864	1.33E-15
peak_6577	chr3	41022523	41022774	-51334	Intergenic	NM_212673	cyp3c1	-0.360322949	5.246666599	-5.606989548	7.81E-11
peak_1088	chr8	41576864	41577938	17852	intron (NM_001013516, intron 5 of 11)	NM_001013516	msi1	4.2140167	9.822395252	-5.608378551	8.97E-22
peak_2290	chr7	51174514	51175373	2186	TTS (NM_131231)	NM_131231	ascl1b	2.459077363	8.068844815	-5.609767452	4.43E-17
peak_853	chr18	47953257	47954087	-146179	Intergenic	NM_001007334	yif1b	3.387228713	8.997259565	-5.610030853	2.63E-23
peak_1699	chr2	42731021	42732327	-93840	Intergenic	NM_001202454	basp1	3.625495796	9.237203407	-5.611707611	5.96E-19
peak_2872	chr3	41818944	41819453	-33238	Intergenic	NM_001003430	grifin	0.625495796	6.238454187	-5.612958392	1.16E-15
peak_6846	chr11	7463095	7463444	-7608	Intergenic	NM_199831	diras1a	-0.360322949	5.252863861	-5.61318681	1.28E-10
peak_1706	chr19	33375244	33376237	-27150	Intergenic	NM_001004653	zgc:103761	3.674632506	9.287952967	-5.613320461	6.26E-19
peak_3072	chr9	26731358	26731905	-77547	Intergenic	NM_001135104	zeb2a	1.243333623	6.857406837	-5.614073215	2.69E-15
peak_6746	chr8	52921291	52921774	-71154	Intergenic	NM_001002647	egr3	0.978440673	6.595135202	-5.616694529	1.09E-10
peak_9065	chr4	3883133	3883535	30613	Intergenic	NM_001144049	gpr37b	0.215200887	5.831935428	-5.616734541	4.62E-09
peak_32797	chr5	71273820	71274157	59158	Intergenic	NM_001007401_1	b4galt4	-0.360322949	5.258697621	-5.61902057	0.004172
peak_6726	chr9	29092369	29092764	-45611	Intergenic	NM_201499	idh1	-0.360322949	5.25909273	-5.619415679	1.04E-10
peak_17543	chr4	20141664	20142062	-109	promoter-TSS (NM_001002463)	NM_001002463	syt1a	-0.360322949	5.259213184	-5.619536133	1.01E-05
peak_7068	chr3	31940820	31941910	92	promoter-TSS (NM_131373)	NM_131373	gfap	3.309268024	8.92956158	-5.620293556	1.98E-10
peak_14669	chr6	54297917	54298189	5673	exon (NM_001013542, exon 3 of 6)	NM_001013542	zgc:101577	-0.360322949	5.260358561	-5.62068151	1.42E-06
peak_13568	chr23	21755366	21755890	2223	TTS (NM_001128390)	NM_001161408	her4.3	-0.360322949	5.260807754	-5.621130703	5.88E-07
peak_8028	chr2	29433948	29434438	8591	Intergenic	NM_207641	ptf1a	-0.360322949	5.262409786	-5.622732735	1.00E-09
peak_5146	chr9	22671234	22671680	-84622	Intergenic	NM_001002483	sox1a	0.653720264	6.279865066	-5.626144801	3.35E-12
peak_7469	chr20	36616918	36617390	24767	intron (NM_001013521, intron 1 of 12)	NM_001013521	enah	1.243333623	6.869997523	-5.6266639	4.07E-10
peak_10192	chr3	23021316	23021808	99216	Intergenic	NM_001128744	cyb561	-0.360322949	5.272967513	-5.633290462	1.94E-08
peak_9254	chr19	35740578	35740867	23307	intron (NM_001044778, intron 2 of 11)	NM_001044778	poc1bl	-0.360322949	5.274903162	-5.635226111	5.95E-09
peak_6972	chr5	51162592	51163682	-351417	Intergenic	NM_001201438	si:dkey-172m14.	3.368192036	9.003789974	-5.635597938	1.62E-10
peak_5431	chr12	4124676	4124957	-40888	Intergenic	NM_001114916	coa3	-0.360322949	5.277727301	-5.63805025	6.51E-12
peak_11481	chr25	17016402	17016742	-30122	Intergenic	NM_001033717	cecr1a	-0.360322949	5.278569168	-5.638892117	8.09E-08
peak_14009	chr13	30011007	30011427	16656	intron (NM_131184, intron 6 of 9)	NM_131184	pax2a	-0.360322949	5.278698888	-5.639021837	8.51E-07
peak_7075	chr20	38601490	38601900	33374	intron (NM_001045018, intron 16 of 17)	NM_001045020	slc30a2	-0.360322949	5.27999422	-5.640317169	2.01E-10
peak_6605	chr11	32285858	32286277	80497	intron (NM_001201559, intron 17 of 19)	NM_001201559	im:7137555	-0.360322949	5.280559692	-5.640882641	8.20E-11
peak_15924	chr23	19557245	19557818	-38394	Intergenic	NM_131871	guca1b	-0.360322949	5.280692126	-5.641015075	3.56E-06
peak_5249	chr16	9795204	9795588	-152315	Intergenic	NM_213342	ddc	-0.360322949	5.28171972	-5.642042669	4.22E-12
peak_7483	chr8	22771479	22771813	-113154	Intergenic	NM_194404	dffb	-0.360322949	5.284724214	-5.645047164	4.21E-10
peak_13387	chr16	25472241	25472701	-49648	Intergenic	NM_200783	efna1b	-0.360322949	5.288777243	-5.649100193	5.07E-07
peak_6466	chr24	4598519	4598787	-70695	Intergenic	NM_130918	fzd8a	-0.360322949	5.289702729	-5.650025678	6.24E-11
peak_5617	chr24	4603177	4603499	-75380	Intergenic	NM_130918	fzd8a	-0.360322949	5.289780807	-5.650103756	1.02E-11
peak_13426	chr23	21751979	21752424	-1204	Intergenic	NM_001161408	her4.3	-0.360322949	5.292309429	-5.652632378	5.23E-07
peak_6593	chr8	34280995	34281507	-51296	intron (NM_001136477, intron 7 of 9)	NM_001025167	lmx1bb	0.625495796	6.280976898	-5.655481102	7.98E-11
peak_11849	chr4	12734471	12734764	-26477	Intergenic	NM_001044805	nrcama	-0.360322949	5.295742434	-5.656065383	1.15E-07
peak_4673	chr11	25858377	25859174	17747	intron (NM_200936, intron 1 of 20)	NM_200936	sulf2a	2.784293744	8.442917263	-5.658623519	8.55E-13
peak_16413	chr20	16671755	16672099	-8385	Intergenic	NM_205560	tmem30ab	-0.360322949	5.298955699	-5.659278648	4.94E-06
peak_6928	chr4	5617599	5617935	2723	TTS (NM_131289)	NM_131289	pou3f2a	-0.360322949	5.300651135	-5.660974084	1.49E-10
peak_8070	chr18	23814574	23814961	-155702	Intergenic	NM_131183	nr2f2	-0.360322949	5.30325513	-5.663578079	1.09E-09
peak_845	chr17	17848888	17849694	-12761	intron (NM_001045384, intron 3 of 6)	NM_200054	setd3	2.809602052	8.473309987	-5.663707934	2.38E-23
peak_3451	chr12	38737494	38738201	99668	Intergenic	NM_001040355	pmp22b	0.653720264	6.317577846	-5.663857582	1.24E-14
peak_3396	chr3	46760906	46762090	-40653	Intergenic	NM_201053	prkcsh	2.471023015	8.135018563	-5.663995548	1.04E-14
peak_4968	chr19	2164682	2164990	39455	intron (NM_198819, intron 27 of 28)	NM_001045844	btd	-0.360322949	5.303792977	-5.664115927	2.01E-12
peak_7734	chr23	29892748	29893094	17693	intron (NM_001077784, intron 1 of 16)	NM_001077784	clstn1	-0.360322949	5.31038958	-5.670712529	6.38E-10
peak_13340	chr16	7451314	7451916	7164	intron (NM_131059, intron 1 of 15)	NM_131059	ctnnb1	-0.360322949	5.314375897	-5.674698846	4.85E-07
peak_2324	chr4	7609765	7610228	-19598	Intergenic	NM_130937	wnt5b	0.967238845	6.642717028	-5.675478182	5.62E-17
peak_17024	chr12	19076023	19076414	-151817	Intergenic	NM_001171584	nptx2b	-0.360322949	5.315887108	-5.676210057	7.12E-06
peak_5204	chr8	46001054	46001427	102958	Intergenic	NM_183338	piwil1	-0.360322949	5.31724774	-5.677570689	3.81E-12
peak_4745	chr13	22740669	22741290	44976	intron (NM_131621, intron 2 of 12)	NM_131621	bmpr1aa	2.31603542	7.99388784	-5.67785242	1.08E-12
peak_7048	chr10	30045865	30046173	-32381	Intergenic	NM_200798	tmem126a	-0.360322949	5.31876234	-5.67908529	1.87E-10
peak_8041	chr16	51516998	51517407	87623	intron (NM_001003763, intron 4 of 7)	NM_001003763	eif3ha	-0.360322949	5.322759414	-5.683082363	1.03E-09
peak_4982	chr17	19409634	19410540	-44618	Intergenic	NM_001029951	cyp26c1	2.751830549	8.437266701	-5.685436152	2.13E-12
peak_6437	chr23	31021976	31022276	-19228	Intergenic	NM_001039921	pcmtd2	-0.360322949	5.325294296	-5.685617245	6.00E-11
peak_6560	chr23	7895794	7897837	112529	Intergenic	NM_001100145	kif3b	2.751830549	8.438133593	-5.686303044	7.49E-11
peak_6855	chr7	27576335	27576670	7178	intron (NM_001113340, intron 5 of 7)	NM_001113340	zgc:172079	-0.360322949	5.328553101	-5.68887605	1.30E-10
peak_15884	chr15	2230286	2230740	49307	intron (NM_212947, intron 3 of 10)	NM_212947	rsrc1	-0.360322949	5.329508787	-5.689831736	3.47E-06
peak_11848	chr4	5937459	5937927	90730	intron (NM_001030082, intron 5 of 20)	NM_001030082	foxp2	-0.360322949	5.331969649	-5.692292598	1.15E-07
peak_3588	chr23	27367831	27368264	-4239	Intergenic	NM_001130590	stat6	0.653720264	6.348644975	-5.69492471	2.12E-14
peak_4061	chr25	15158859	15159549	28473	3' UTR (NM_200452, exon 5 of 5)	NM_200452	dnajc24	1.426730103	7.124856154	-5.69812605	1.25E-13
peak_1192	chr1	51668614	51669321	-1603	Intergenic	NM_131861	jag1a	3.022555809	8.723887318	-5.701331509	3.77E-21
peak_23008	chr24	1858486	1859092	-367927	Intergenic	NM_212616	zgc:85789	-0.360322949	5.347281702	-5.707604651	0.00017
peak_2382	chr24	35617797	35618209	-135834	Intergenic	NM_001002724	zgc:92591	1.426730103	7.135178933	-5.70844883	7.33E-17
peak_13576	chr17	18589674	18590035	37522	Intergenic	NM_213385	vrk1	-0.360322949	5.352081143	-5.712404092	5.90E-07
peak_6038	chr16	56518196	56518750	-7666	TTS (NM_200582)	NM_001098197	nkd2a	0.215200887	5.927921346	-5.712720459	2.58E-11
peak_10095	chr18	42476317	42476710	53689	intron (NM_001081628, intron 13 of 18)	NM_001081628	cdon	-0.360322949	5.352461619	-5.712784568	1.73E-08
peak_16308	chr18	42696277	42696812	21550	Intergenic	NM_001045140	si:ch211-151h10.	-0.360322949	5.353518179	-5.713841128	4.62E-06
peak_5262	chr12	27034073	27034492	73909	Intergenic	NM_001007313	ppm1bb	0.967238845	6.681785789	-5.714546943	4.41E-12
peak_2896	chr7	57221645	57222301	-139880	Intergenic	NM_212606	cdh15	1.938847741	7.655577886	-5.716730146	1.28E-15
peak_7247	chr13	50442652	50443013	-19912	Intergenic	NM_199981	irf2bp2a	-0.360322949	5.362622856	-5.722945805	2.79E-10
peak_11841	chr23	17348357	17348804	-43156	Intergenic	NM_001080652	zgc:158791	-0.360322949	5.364611593	-5.724934542	1.14E-07
peak_5390	chr4	7431307	7431645	57638	Intergenic	NM_001025506	adipor2	-0.360322949	5.365503417	-5.725826366	5.78E-12
peak_9305	chr9	13342140	13342462	-54516	intron (NM_001039807, intron 3 of 12)	NM_001128362	si:dkey-56k23.2	-0.360322949	5.365976033	-5.726298982	6.45E-09
peak_5679	chr17	24298886	24299108	24487	TTS (NM_212729)	NM_212729	ugp2b	-0.360322949	5.3677881	-5.728111049	1.16E-11
peak_2373	chr16	56601573	56601997	-50583	Intergenic	NM_001083010	zgc:158766	0.95594936	6.685263098	-5.729313737	7.01E-17
peak_8623	chr3	29168122	29168485	63909	Intergenic	NM_212894	lgals2a	-0.360322949	5.371196265	-5.731519214	2.44E-09
peak_5593	chr14	37611026	37611372	6957	Intergenic	NM_001004013	spata4	-0.360322949	5.374117978	-5.734440927	9.73E-12
peak_5848	chr23	28277192	28277486	-7074	Intergenic	NM_194371	sp5l	-0.360322949	5.374831419	-5.735154368	1.67E-11
peak_7972	chr13	40506077	40506523	1254	intron (NM_131858, intron 1 of 2)	NM_131858	sfrp5	-0.360322949	5.376279466	-5.736602415	9.14E-10
peak_10804	chr16	43498733	43499024	-121178	Intergenic	NM_131442	gbp	-0.360322949	5.377470215	-5.737793164	3.88E-08
peak_5215	chr23	27226013	27226381	6389	intron (NM_001044396, intron 2 of 4)	NM_001044396	rnd1l	-0.360322949	5.378417798	-5.738740747	3.89E-12
peak_3742	chr15	29121173	29121614	-23284	intron (NM_001076633, intron 10 of 10)	NR_030050		0.944570835	6.683369369	-5.738798534	3.96E-14
peak_7909	chr9	44762668	44762980	-45520	Intergenic	NM_001077569	cwc22	-0.360322949	5.382474439	-5.742797389	8.26E-10
peak_6701	chr25	30745982	30746330	67853	Intergenic	NM_001083030	brd1b	-0.360322949	5.383363508	-5.743686457	9.86E-11
peak_8395	chr21	19397862	19398169	-144900	Intergenic	NM_213226	zgc:85869	-0.360322949	5.384368744	-5.744691693	1.83E-09
peak_16455	chr22	24661397	24661872	-109584	intron (NM_001017710, intron 7 of 7)	NR_029937		-0.360322949	5.387132434	-5.747455383	5.10E-06
peak_7342	chr14	26567017	26567324	19491	intron (NM_001199318, intron 1 of 3)	NM_001199318	cplx2	-0.360322949	5.389679656	-5.750002605	3.28E-10
peak_3995	chr18	22667755	22668362	93946	intron (NM_200787, intron 3 of 7)	NM_200787	gnao1a	2.702019304	8.452086415	-5.750067111	1.04E-13
peak_6784	chr23	17888146	17888571	-60292	Intergenic	NM_001030133	bhlhe23	-0.360322949	5.392563469	-5.752886418	1.14E-10

peak_1942	chr10	17305796	17306319	23238	Intergenic	NM_201031_1	stoml2	1.787481669	7.542106909	-5.75462524	4.20E-18
peak_7136	chr3	61251932	61252225	26796	Intergenic	NM_001076706	foxj1a	-0.360322949	5.395585799	-5.755908749	2.24E-10
peak_13763	chr10	10290658	10291080	4581	Intergenic	NR_029938		-0.360322949	5.395654105	-5.755977054	6.87E-07
peak_14212	chr4	16641618	16641979	34519	Intergenic	NM_001017908	itfg2	-0.360322949	5.396036313	-5.756359262	9.94E-07
peak_6674	chr21	5901676	5901958	-6850	Intergenic	NM_214783	mob1bb	-0.360322949	5.398473183	-5.758796132	9.32E-11
peak_7681	chr17	27260267	27260810	-644	promoter-TSS (NR_030062)	NR_030062		-0.360322949	5.3988884	-5.759211349	5.81E-10
peak_995	chr5	39346812	39347482	2341	intron (NM_001007152, intron 1 of 10)	NM_001007152	dpf2	2.548447992	8.308171809	-5.759723817	2.19E-22
peak_8742	chr11	35859100	35859521	-6411	Intergenic	NM_001098765	slc38a3a	0.625495796	6.385387976	-5.75989218	2.91E-09
peak_6381	chr20	24077997	24078351	86686	Intergenic	NM_001020750	map3k7	-0.360322949	5.39965949	-5.759982439	5.33E-11
peak_8896	chr11	44751294	44751812	-54512	Intergenic	NM_001002123	ralbb	-0.360322949	5.399802179	-5.760125128	3.62E-09
peak_5450	chr16	35553528	35553855	76172	Intergenic	NM_001020635	rragca	-0.360322949	5.399865243	-5.760188192	6.80E-12
peak_5009	chr20	32494037	32495327	-9405	Intergenic	NM_001003608	nr2e1	2.702019304	8.463133769	-5.761114465	2.28E-12
peak_15963	chr16	39112940	39113500	-91505	Intergenic	NM_001200061	LOC100005807	-0.360322949	5.402017714	-5.762340663	3.68E-06
peak_16249	chr25	37223268	37223688	30718	Intergenic	NM_213163	amfr	-0.360322949	5.402295603	-5.762618552	4.41E-06
peak_6938	chr19	5817879	5818261	60513	intron (NM_131523, intron 3 of 9)	NM_131523	stx1b	0.234016866	5.99862287	-5.764606004	1.51E-10
peak_4252	chr6	44743626	44744045	-410553	Intergenic	NM_001256392	pdzrn3b	0.234016866	5.999153789	-5.765136923	2.33E-13
peak_5722	chr17	20893977	20894433	2021	exon (NM_131333, exon 5 of 5)	NM_131333	vsx1	0.625495796	6.393134403	-5.767638608	1.26E-11
peak_5102	chr11	16896119	16896362	-63140	Intergenic	NM_001110030	kbtbd8	-0.360322949	5.407412693	-5.767735642	2.95E-12
peak_2138	chr17	24093136	24093782	-53466	Intergenic	NM_131250	otx1b	0.978440673	6.746503071	-5.768062399	1.46E-17
peak_16266	chr6	36392115	36392582	-61063	Intergenic	NM_131079	her6	-0.360322949	5.407846113	-5.768169062	4.47E-06
peak_2100	chr13	1474828	1475410	-193987	Intergenic	NM_201000	bag2	2.346615242	8.115138509	-5.768523266	1.16E-17
peak_4969	chr13	12625722	12626167	-4983	Intergenic	NM_205603	zgc:100846	-0.360322949	5.409659801	-5.76998275	2.02E-12
peak_6758	chr5	35084722	35085096	-6052	Intergenic	NM_001128527	garnl3	-0.360322949	5.410467452	-5.770790401	1.10E-10
peak_7081	chr13	23771320	23771754	64679	intron (NM_214782, intron 7 of 12)	NM_214782	zgc:110727	-0.360322949	5.410469028	-5.770791977	2.02E-10
peak_6933	chr11	20785288	20785594	38773	intron (NM_131086, intron 2 of 16)	NM_131086	cdh4	-0.360322949	5.410895104	-5.771218053	1.51E-10
peak_4593	chr22	39363200	39363581	51095	Intergenic	NM_001017600	polr2h	0.234016866	6.005441835	-5.771424969	6.90E-13
peak_5931	chr6	8715136	8715498	-26619	Intergenic	NM_001098189	vps16	-0.360322949	5.412182858	-5.772505807	2.02E-11
peak_16593	chr10	27916762	27917204	185370	Intergenic	NM_152948	cxadr	-0.360322949	5.415662719	-5.775985668	5.57E-06
peak_11649	chr8	21309094	21309449	67089	Intergenic	NM_001123271	si:ch211-133l5.7	-0.360322949	5.415735569	-5.776058518	9.45E-08
peak_4871	chr19	37385743	37386249	37943	intron (NM_131814, intron 6 of 8)	NM_131814	angpt2b	-0.360322949	5.41864093	-5.778963879	1.61E-12
peak_5523	chr7	41611638	41611929	-9252	exon (NM_001089492, exon 19 of 27)	NM_001128667	ptprn2	-0.360322949	5.420805774	-5.781128723	8.02E-12
peak_10748	chr22	17793122	17793474	26082	Intergenic	NM_001007282	gpx4a	-0.360322949	5.426998864	-5.787321813	3.65E-08
peak_5762	chr22	18173881	18174231	121702	Intergenic	NM_001044907	hapln4	-0.360322949	5.427128098	-5.787451047	1.38E-11
peak_5771	chr1	47319596	47320320	9918	Intergenic	NM_001278811	si:ch73-160h15.3	2.751830549	8.539842811	-5.788012262	1.41E-11
peak_6403	chr20	7496306	7496610	-5897	Intergenic	NM_001256637	dsg2	-0.360322949	5.427839329	-5.788162279	5.55E-11
peak_8580	chr1	51457195	51457547	26783	Intergenic	NM_131215	otx1a	-0.360322949	5.429814645	-5.790137594	2.31E-09
peak_12199	chr25	30337447	30337746	15298	intron (NM_001160156, intron 1 of 4)	NM_001160156	nptna	-0.360322949	5.429879086	-5.790202035	1.63E-07
peak_5470	chr3	34449411	34449717	130211	Intergenic	NM_213197	znf207a	-0.360322949	5.431283296	-5.791606245	7.16E-12
peak_3243	chr8	8614639	8615061	-18981	intron (NM_001111186, intron 5 of 7)	NM_001122628_1		1.467052111	7.261651564	-5.794599453	5.52E-15
peak_9882	chr9	33808828	33809129	-22155	Intergenic	NM_178100	olig2	-0.360322949	5.436734812	-5.797057761	1.37E-08
peak_7526	chr7	49776736	49777232	56	promoter-TSS (NM_001001842)	NM_001001842	crabp1b	-0.360322949	5.438160996	-5.798483946	4.56E-10
peak_9268	chr14	8538484	8538827	-26354	Intergenic	NM_001002333	stx5a	-0.360322949	5.43836673	-5.798689679	6.05E-09
peak_6684	chr10	22763701	22764053	-57623	Intergenic	NM_001111177	zgc:172339	-0.360322949	5.439006987	-5.799329936	9.56E-11
peak_3470	chr4	14395441	14396267	89990	intron (NM_001004495, intron 2 of 30)	NM_001004495	plxna4	2.363802745	8.163791451	-5.799988706	1.32E-14
peak_4933	chr18	17221224	17221476	-17977	intron (NM_130981, intron 5 of 21)	NR_030087		-0.360322949	5.439673768	-5.799996717	1.85E-12
peak_17919	chr17	53219172	53220227	-32833	Intergenic	NM_213232	spred1	0.215200887	6.015394976	-5.800194089	1.30E-05
peak_5555	chr24	23764748	23765170	397553	Intergenic	NM_001199998	si:dkey-7n6.2	0.215200887	6.015505049	-5.800304162	8.84E-12
peak_7587	chr20	24129912	24130320	34744	Intergenic	NM_001020750	map3k7	-0.360322949	5.444107537	-5.804430486	5.01E-10
peak_8701	chr7	20045680	20046088	50178	intron (NM_001017819, intron 2 of 12)	NM_001017819	mllt3	-0.360322949	5.444464367	-5.804787316	2.73E-09
peak_5217	chr10	45444954	45445225	21079	intron (NM_001003782, intron 9 of 11)	NM_001003782	sept5b	-0.360322949	5.450068543	-5.810391492	3.90E-12
peak_2427	chr6	31955137	31955732	51649	Intergenic	NM_001002103	atg4c	1.205700064	7.016733947	-5.811033883	9.87E-17
peak_17378	chr2	19604537	19604933	14335	Intergenic	NM_131615	pbx1a	-0.360322949	5.451732974	-5.812055923	9.02E-06
peak_5245	chr18	21940679	21940913	50614	Intergenic	NM_001080629	zgc:158868	-0.360322949	5.452939637	-5.813262586	4.17E-12
peak_1586	chr18	23248531	23249125	274247	Intergenic	NM_131301	mef2aa	2.096540606	7.911266328	-5.814725722	2.37E-19
peak_357	chr17	53904593	53906965	6848	Intergenic	NM_001045465	exd1	4.883886149	10.6993399	-5.815453754	7.31E-29
peak_32457	chr16	19433748	19434358	-26976	Intergenic	NM_001109824	zyx	-0.360322949	5.456444956	-5.816767905	0.003848
peak_9252	chr23	21762298	21762615	2708	TTS (NM_131090)	NM_131090	her4.2	-0.360322949	5.457061834	-5.817384783	5.92E-09
peak_11309	chr19	14330565	14330984	-22260	Intergenic	NM_131258	oprd1a	-0.360322949	5.45715158	-5.817474529	6.74E-08
peak_7191	chr13	12507608	12507919	8146	intron (NM_203460, intron 6 of 9)	NM_203460	adh8b	-0.360322949	5.457386666	-5.817709615	2.48E-10
peak_5788	chr11	23430921	23431234	1691	exon (NM_131006, exon 2 of 3)	NM_131006	myog	-0.360322949	5.457634856	-5.817957805	1.47E-11
peak_12851	chr20	23684434	23685020	-39929	Intergenic	NM_205656	cbr4	-0.360322949	5.461872295	-5.822195244	3.02E-07
peak_5311	chr13	52236949	52237349	20343	intron (NM_001045030, intron 7 of 15)	NM_001045030	prtga	-0.360322949	5.462023619	-5.822346568	4.90E-12
peak_4227	chr10	28437067	28437428	273550	Intergenic	NM_001020542	ints2	0.215200887	6.03869567	-5.823494783	2.16E-13
peak_4126	chr14	12129821	12130203	148854	Intergenic	NM_001105523	znf711	0.625495796	6.452429845	-5.82693405	1.54E-13
peak_12799	chr8	48796637	48796964	-4958	Intergenic	NM_131080	her3	-0.360322949	5.468807708	-5.829130657	2.89E-07
peak_5557	chr7	76653838	76654337	-18042	Intergenic	NM_001076619	btr12	-0.360322949	5.468881944	-5.829204893	8.91E-12
peak_4740	chr15	29459183	29459487	-80275	Intergenic	NM_001113485	nlk2	-0.360322949	5.471125122	-5.831448071	1.05E-12
peak_7887	chr16	5528597	5529026	25603	exon (NM_001007789, exon 11 of 15)	NM_001045271	arnt	-0.360322949	5.472469316	-5.832792265	7.93E-10
peak_10075	chr16	6769774	6770175	-83492	Intergenic	NM_001002182	zgc:91890	-0.360322949	5.473468794	-5.833791743	1.69E-08
peak_9302	chr18	23532544	23533001	126293	Intergenic	NM_131183	nr2f2	-0.360322949	5.474257541	-5.83458049	6.42E-09
peak_10907	chr25	37844092	37844694	253668	intron (NM_200913, intron 8 of 8)	NM_200913	wwox	-0.360322949	5.475380266	-5.835703215	4.45E-08
peak_2350	chr13	31558924	31559363	34634	Intergenic	NM_001030276	rrp12	1.831388386	7.668062332	-5.836673945	6.36E-17
peak_5758	chr2	21860164	21860525	80872	intron (NM_001256694, intron 4 of 9)	NM_001256694	tox	-0.360322949	5.479315415	-5.839638364	1.36E-11
peak_9917	chr25	22217540	22217923	-39692	Intergenic	NM_001003755	immp2l	-0.360322949	5.479714452	-5.840037401	1.44E-08
peak_3821	chr8	47536298	47536720	-21157	Intergenic	NM_213145	ywhabb	0.944570835	6.785077929	-5.840507094	5.52E-14
peak_7041	chr16	25080278	25080637	34219	Intergenic	NM_001003997	flad1	-0.360322949	5.482591127	-5.842914076	1.84E-10
peak_8681	chr19	12703079	12703437	64598	Intergenic	NM_200882	pabpc1b	-0.360322949	5.484416107	-5.844739056	2.65E-09
peak_1795	chr22	16191032	16191490	-2858	Intergenic	NM_131691	s1pr1	1.44299439	7.291067759	-5.848073369	1.20E-18
peak_16415	chr18	6547877	6548307	-4379	Intergenic	NM_152983	myo7aa	-0.360322949	5.488494853	-5.848817802	4.96E-06
peak_6939	chr5	49906463	49906754	46367	Intergenic	NR_029998		-0.360322949	5.488715793	-5.849038742	1.52E-10
peak_5770	chr7	28559765	28560209	143571	intron (NM_001123009, intron 11 of 14)	NM_001123009	sox6	-0.360322949	5.490439159	-5.850762108	1.40E-11
peak_5776	chr14	32987951	32988318	95983	Intergenic	NM_001001837	zic6	-0.360322949	5.491886924	-5.852209873	1.42E-11
peak_3109	chr8	50502992	50503376	-259073	Intergenic	NM_001128741	zgc:195023	0.215200887	6.070077751	-5.854876864	2.98E-15
peak_8665	chr24	5225019	5225788	-92070	Intergenic	NM_001007377	plod2	0.234016866	6.089482317	-5.855465451	2.57E-09
peak_8847	chr5	35012747	35013073	55250	intron (NM_001128527, intron 7 of 28)	NM_001014828	ptges	-0.360322949	5.495383004	-5.855705953	3.40E-09
peak_4716	chr5	36708312	36709708	93349	Intergenic	NM_212913	foxd1l	2.912638768	8.772339848	-5.859701081	9.81E-13
peak_2738	chr4	14610158	14610809	58420	intron (NM_214804, intron 5 of 9)	NM_214804	chchd3	2.075829856	7.937235448	-5.861405592	5.40E-16
peak_4867	chr10	17721261	17721663	-4023	TTS (NM_200038)	NR_030123		-0.360322949	5.50292524	-5.863248189	1.59E-12
peak_6024	chr24	10451286	10451565	218125	Intergenic	NM_207078	fam49bb	-0.360322949	5.506695607	-5.867018556	2.51E-11
peak_7716	chr12	35876077	35876613	58962	intron (NM_001030125, intron 2 of 20)	NM_001030125	camk2g1	-0.360322949	5.507196237	-5.867519186	6.18E-10
peak_1887	chr8	19100073	19101254	1659	intron (NM_214763, intron 1 of 5)	NM_214763	tmem47	1.66069094	7.529994269	-5.869303329	2.48E-18
peak_7236	chr10	28112980	28113356	381555	Intergenic	NM_152948	cxadr	-0.360322949	5.509617688	-5.869940637	2.74E-10
peak_10520	chr15	28038202	28038742	-11934	Intergenic	NM_200018	blmh	-0.360322949	5.51015258	-5.870475529	2.77E-08
peak_6455	chr16	43199933	43200341	24730	intron (NM_001109715, intron 9 of 10)	NM_001109715	zgc:165534	-0.360322949	5.510160469	-5.870483418	6.14E-11
peak_7387	chr18	30413187	30413560	27355	exon (NM_001080807, exon 10 of 15)	NM_001080807	gse1	-0.360322949	5.511919918	-5.872242867	3.54E-10
peak_8125	chr6	19173812	19174181	-37956	Intergenic	NM_001017556	rhbdl3	-0.360322949	5.513381361	-5.873704311	1.19E-09
peak_10026	chr7	20712164	20713127	-7008	Intergenic	NM_001037559	slc7a7	0.625495796	6.500172614	-5.874676818	1.61E-08
peak_4630	chr14	29073168	29073456	-21491	intron (NM_200688, intron 1 of 1)	NM_200569	tsc22d3	-0.360322949	5.514941025	-5.875263974	7.74E-13
peak_6190	chr21	36514898	36515393	4682	intron (NM_131430, intron 8 of 19)	NM_131430	fgfr4	-0.360322949	5.520917609	-5.881240558	3.66E-11
peak_8602	chr23	20616376	20616716	-69503	Intergenic	NM_001243045	lamb2	-0.360322949	5.523084961	-5.883407911	2.37E-09
peak_4738	chr23	28887308	28887937	47848	intron (NM_131361, intron 1 of 28)	NM_001080663	ribc1	-0.360322949	5.523390085	-5.883713034	1.04E-12
peak_4819	chr11	32158242	32158719	-47090	Intergenic	NM_001201559	im:7137555	-0.360322949	5.524610648	-5.884933597	1.33E-12
peak_8354	chr19	36383760	36384167	37963	intron (NM_001144054, intron 1 of 18)	NM_001144054	ctnnal1	-0.360322949	5.526069898	-5.886392847	1.70E-09
peak_11763	chr8	41564272	41565114	5144	intron (NM_001013516, intron 3 of 11)	NM_001013516	msi1	0.653720264	6.540942465	-5.8872222	1.05E-07
peak_1637	chr13	5856050	5856844	-9827	Intergenic	NM_201488	ppm1g	1.818979367	7.708668967	-5.8896896	3.70E-19

peak_8420	chr8	53811840	53812296	-26777	Intergenic	NM_152962	fgfr1a	-0.360322949	5.532567384	-5.892890333	1.90E-09
peak_8304	chr8	24615480	24615834	17620	Intergenic	NM_001126422	zgc:195245	-0.360322949	5.535609421	-5.89593237	1.60E-09
peak_5507	chr17	53713310	53713588	26211	intron (NM_001013290, intron 5 of 7)	NM_001013290	dph6	-0.360322949	5.535719917	-5.896042866	7.75E-12
peak_4175	chr7	54092236	54092658	-78889	Intergenic	NM_214816	tcf12	-0.360322949	5.536673749	-5.896996698	1.83E-13
peak_15923	chr9	21915157	21915823	28237	Intergenic	NM_198873	wdr3	-0.360322949	5.537596785	-5.897919734	3.56E-06
peak_3493	chr4	17957086	17957816	-37902	intron (NM_199533, intron 2 of 7)	NM_001045043	mcat	1.618352549	7.516831559	-5.89847901	1.46E-14
peak_9278	chr6	44318838	44319236	14245	intron (NM_001256392, intron 3 of 9)	NM_001256392	pdzrn3b	-0.360322949	5.538833355	-5.899156305	6.14E-09
peak_3512	chr5	68410634	68411813	-18103	Intergenic	NM_001002146	zgc:86715	2.664163689	8.564517865	-5.900354176	1.59E-14
peak_3142	chr18	30318048	30318515	-67737	Intergenic	NM_001080807	gse1	0.215200887	6.116604775	-5.901403888	3.50E-15
peak_6163	chr19	3556942	3557261	-6901	intron (NM_001077735, intron 3 of 15)	NM_001083069	scxa	-0.360322949	5.541198942	-5.901521891	3.49E-11
peak_3986	chr8	48793793	48794164	-2136	Intergenic	NM_131080	her3	0.234016866	6.135637678	-5.901620812	1.01E-13
peak_9212	chr19	1893910	1894347	27127	intron (NM_198819, intron 1 of 28)	NM_198819	ptk2aa	-0.360322949	5.543218642	-5.903541591	5.65E-09
peak_3285	chr24	4234286	4235235	-8168	Intergenic	NM_201461	klf6a	1.984009138	7.889013577	-5.905004439	6.43E-15
peak_4582	chr11	33513592	33514069	21671	intron (NM_001160822, intron 1 of 3)	NM_001160822	pcdh17	1.243333623	7.148786955	-5.905453332	6.77E-13
peak_9388	chr11	25466543	25467164	-74516	Intergenic	NM_001080582	mxra8a	-0.360322949	5.545980231	-5.90630318	7.24E-09
peak_14967	chr16	26541724	26542381	-108174	intron (NM_001007428, intron 1 of 7)	NM_200750	rps19	-0.360322949	5.548333021	-5.90865597	1.76E-06
peak_4598	chr19	4960670	4961059	-28164	Intergenic	NM_001100068	rragcb	-0.360322949	5.548581871	-5.90890482	7.00E-13
peak_3192	chr3	30927668	30928403	111499	Intergenic	NM_001098186	suv420h2	2.31603542	8.227148413	-5.911112993	4.27E-15
peak_5045	chr6	1203174	1203473	41738	intron (NM_001110010_1, intron 3 of 17)	NM_001110010_1	plxna1b	-0.360322949	5.563518209	-5.923841158	2.49E-12
peak_11422	chr24	24487104	24487568	-39741	Intergenic	NM_200062	rrs1	-0.360322949	5.56481317	-5.925136119	7.58E-08
peak_3904	chr3	17547382	17547702	54589	Intergenic	NM_001003433	nkiras2	-0.360322949	5.564927737	-5.925250686	7.39E-14
peak_2767	chr14	27720113	27720712	-4330	Intergenic	NM_199669	polr2gl	1.224639552	7.150151894	-5.925512343	6.40E-16
peak_6278	chr11	44232264	44232621	-35447	Intergenic	NM_212914	foxg1b	-0.360322949	5.569099629	-5.929422578	4.38E-11
peak_3967	chr14	24470108	24470520	-98751	Intergenic	NM_001039461	med12	-0.360322949	5.572726506	-5.933049455	9.47E-14
peak_3043	chr2	30838327	30838968	179736	Intergenic	NM_214715	adcyap1b	0.625495796	6.5591591	-5.933663304	2.40E-15
peak_12036	chr13	34117672	34118269	-66335	intron (NM_200549, intron 4 of 19)	NM_001256646	flrt3	0.215200887	6.152523361	-5.937322473	1.39E-07
peak_5866	chr25	14947937	14948254	-7458	Intergenic	NM_200042	mpped2	-0.360322949	5.579836651	-5.9401596	1.76E-11
peak_17044	chr10	42752864	42753373	11436	intron (NM_001040249, intron 2 of 12)	NM_001040249	agpat6	-0.360322949	5.584021149	-5.944344098	7.22E-06
peak_16302	chr23	29216978	29217655	-165944	Intergenic	NM_001002631	dffa	-0.360322949	5.586568901	-5.94689185	4.60E-06
peak_1693	chr25	20861276	20861822	11279	intron (NM_001006012, intron 3 of 4)	NM_001006012	kctd15a	1.618352549	7.567034648	-5.948682098	5.83E-19
peak_6110	chr17	27206825	27207213	-5787	Intergenic	NM_001017678	ppie	-0.360322949	5.589947172	-5.950270121	3.15E-11
peak_7108	chr5	53507235	53507595	-34678	Intergenic	NM_131100	otpb	-0.360322949	5.592545161	-5.95286811	2.15E-10
peak_6460	chr3	34461614	34461941	142424	Intergenic	NM_213197	znf207a	-0.360322949	5.592639152	-5.952962101	6.19E-11
peak_6263	chr7	28752237	28752666	59438	Intergenic	NM_001002471	calca	-0.360322949	5.592878589	-5.953201538	4.28E-11
peak_4764	chr17	8370415	8370839	37394	intron (NM_001080601, intron 1 of 5)	NM_001080601	fzd3b	-0.360322949	5.594452627	-5.954775577	1.14E-12
peak_3277	chr3	61337784	61338103	-19179	Intergenic	NM_001020529	tsen54	0.625495796	6.581009553	-5.955513758	6.27E-15
peak_3134	chr19	26320083	26320965	-62016	Intergenic	NM_212563	pard6gb	2.570823028	8.527752303	-5.956929276	3.37E-15
peak_4637	chr23	23934946	23935256	155101	intron (NM_001177452, intron 2 of 33)	NM_001177452	hm:gc12	-0.360322949	5.600041787	-5.960364736	7.85E-13
peak_3918	chr23	41491105	41491467	-321876	Intergenic	NM_001139458	si:dkey-194e6.1	-0.360322949	5.600639374	-5.960962323	7.74E-14
peak_4505	chr18	43820236	43820552	206148	Intergenic	NM_001004538	gyltl1b	-0.360322949	5.602506903	-5.962829852	5.49E-13
peak_7386	chr18	14254508	14254893	9306	TTS (NM_001013351)	NM_001099999	si:dkey-238o13.4	-0.360322949	5.605063813	-5.965386762	3.52E-10
peak_6523	chr1	4362157	4362496	-12681	Intergenic	NM_001082796	atic	-0.360322949	5.606044278	-5.966367227	7.07E-11
peak_7438	chr9	32917426	32917896	31070	intron (NM_001012382, intron 3 of 4)	NM_001012382	fgf14	-0.360322949	5.609668736	-5.969991685	3.89E-10
peak_8905	chr20	21269836	21270275	-71135	Intergenic	NM_001044888	nudt14	-0.360322949	5.61129318	-5.971616129	3.66E-09
peak_3149	chr2	30373174	30374709	34633	intron (NM_001193651, intron 2 of 21)	NM_001193651	ctnnd2b	3.944487529	9.918272314	-5.973784786	3.54E-15
peak_7942	chr14	48870335	48870744	32222	intron (NM_001004573, intron 3 of 9)	NM_001004573	macrod1	-0.360322949	5.614331471	-5.97465442	8.67E-10
peak_10107	chr8	32659473	32659822	-9836	intron (NM_001007291, intron 15 of 16)	NM_001014300	plcxd3	-0.360322949	5.616523709	-5.976846658	1.75E-08
peak_5159	chr13	20563775	20564082	-60625	intron (NM_131730, intron 4 of 6)	NM_131730_1	gfra1a	-0.360322949	5.617704638	-5.978027587	3.43E-12
peak_11319	chr4	16471059	16471444	6300	intron (NM_200551, intron 3 of 12)	NM_200551	pah	-0.360322949	5.61913731	-5.97946026	6.80E-08
peak_5032	chr6	14371319	14371639	-168571	Intergenic	NM_001128547	inpp4ab	-0.360322949	5.620276754	-5.980599703	2.43E-12
peak_6835	chr17	51621197	51621531	25395	intron (NM_200464, intron 14 of 36)	NM_200464	aqr	-0.360322949	5.620902791	-5.98122574	1.26E-10
peak_10912	chr8	14829523	14830206	62773	intron (NM_001245100, intron 2 of 14)	NM_001245100	si:dkey-6n6.7	-0.360322949	5.622169644	-5.982492593	4.48E-08
peak_5618	chr1	22846272	22846576	-4057	Intergenic	NM_152975	mab21l2	-0.360322949	5.622657001	-5.98297995	1.02E-11
peak_5755	chr22	25067110	25067494	-72922	Intergenic	NM_001099256	si:dkey-121a9.3	-0.360322949	5.624281214	-5.984604163	1.36E-11
peak_5702	chr5	30269042	30269408	47968	intron (NM_130907, intron 1 of 22)	NM_130907	tnc	-0.360322949	5.626143232	-5.986466181	1.21E-11
peak_3386	chr14	5180553	5180908	-211295	Intergenic	NM_001007134	lbx2	0.215200887	6.203089719	-5.987888832	9.74E-15
peak_6901	chr4	27623398	27623785	40382	Intergenic	NM_001020599	trmu	-0.360322949	5.630248514	-5.990571463	1.40E-10
peak_4378	chr2	31653941	31654367	726	intron (NM_200831, intron 1 of 24)	NM_200831	amph	-0.360322949	5.630375495	-5.990698444	3.58E-13
peak_6836	chr12	38512239	38512597	2591	intron (NM_001080568, intron 1 of 1)	NM_001080568	hs3st3b1b	-0.360322949	5.630999504	-5.991322453	1.26E-10
peak_11705	chr17	35908185	35908647	150319	Intergenic	NM_131336	sox11a	-0.360322949	5.63140566	-5.99172861	9.84E-08
peak_2496	chr20	22488941	22489583	-18345	Intergenic	NM_001025512	gsx2	0.944570835	6.93861415	-5.994043315	1.47E-16
peak_3743	chr16	51643330	51643589	-38634	intron (NM_199595, intron 9 of 13)	NM_001003763	eif3ha	-0.360322949	5.635232953	-5.995555902	3.97E-14
peak_4336	chr19	2578628	2578975	-32656	Intergenic	NM_213241	sp8a	-0.360322949	5.636939207	-5.997262156	3.05E-13
peak_12265	chr18	19945978	19946461	-61299	Intergenic	NM_131012	gro2	-0.360322949	5.638989336	-5.999312285	1.73E-07
peak_3504	chr4	16483548	16484441	-1319	Intergenic	NM_131219	ascl1a	1.787481669	7.787063711	-5.999582042	1.53E-14
peak_6185	chr5	65677055	65677542	5532	intron (NM_001100016, intron 1 of 7)	NM_001100016	si:ch211-253h3.1	-0.360322949	5.643004917	-6.003327866	3.63E-11
peak_4382	chr1	29358590	29358967	-4500	Intergenic	NM_001126467	si:dkey-22o12.2	-0.360322949	5.644162351	-6.0044853	3.65E-13
peak_4891	chr22	11994671	11994991	-51364	Intergenic	NM_001044313	ptpn4b	-0.360322949	5.644847619	-6.005170568	1.69E-12
peak_2018	chr5	36705490	36706163	90165	Intergenic	NM_212913	foxd1l	1.434885166	7.441328357	-6.006443191	7.10E-18
peak_3864	chr3	25128739	25129407	41661	Intergenic	NM_001017853	cbx7a	3.259628487	9.26631248	-6.006683993	6.58E-14
peak_8178	chr23	24440484	24440822	72763	Intergenic	NM_001130783	plekhm2	-0.360322949	5.6501173	-6.010440249	1.29E-09
peak_1187	chr23	38283405	38284263	30894	Intergenic	NM_001020707	zgc:112994	2.463070247	8.476108142	-6.013037894	3.59E-21
peak_6104	chr6	34671006	34671386	22834	Intergenic	NM_001076659	uhmk1	-0.360322949	5.654217829	-6.014540778	3.08E-11
peak_11380	chr3	38289415	38289708	470511	intron (NM_214788, intron 4 of 12)	NM_214788	asic2	-0.360322949	5.655042834	-6.015365783	7.28E-08
peak_8255	chr12	28212328	28212646	19404	intron (NM_200874, intron 2 of 16)	NM_200874	arhgap12b	-0.360322949	5.655622327	-6.015945276	1.47E-09
peak_2694	chr25	10903066	10903465	34271	intron (NM_001177458, intron 5 of 20)	NM_001177458	lrp5	0.215200887	6.234165398	-6.018964511	4.15E-16
peak_4422	chr2	31718611	31719021	-15340	intron (NM_194370, intron 9 of 11)	NM_200172	mycb	-0.360322949	5.659398779	-6.019721728	4.22E-13
peak_3759	chr6	8012929	8013255	-6012	Intergenic	NM_170763	fzd7b	-0.360322949	5.659542304	-6.019865253	4.30E-14
peak_5252	chr19	23155513	23155810	-7257	Intergenic	NM_001044951	eif3eb	-0.360322949	5.663593464	-6.023916413	4.25E-12
peak_9242	chr25	3449273	3449707	34728	Intergenic	NM_001089331	zgc:162618	-0.360322949	5.663670204	-6.023993153	5.83E-09
peak_12730	chr2	19787249	19787615	69874	Intergenic	NM_131614_1	pbx1a	-0.360322949	5.664056783	-6.024379732	2.73E-07
peak_15706	chr16	31474836	31475281	30316	Intergenic	NM_200071	rhbg	-0.360322949	5.667009322	-6.027332271	3.06E-06
peak_5580	chr23	35866226	35866719	6320	intron (NM_001285536, intron 1 of 7)	NM_001285536	nr1d4a	-0.360322949	5.668033578	-6.028356528	9.41E-12
peak_6781	chr5	46995081	46995476	53962	intron (NM_001287096, intron 4 of 21)	NM_001287096	adamts3	-0.360322949	5.671697886	-6.032020835	1.14E-10
peak_7926	chr10	3925821	3926420	-127958	Intergenic	NM_200920	pitpnb	-0.360322949	5.671993301	-6.03231625	8.52E-10
peak_5143	chr18	22443742	22444124	57010	intron (NM_001135133, intron 2 of 6)	NM_001135133	bcar1	-0.360322949	5.673678562	-6.034001511	3.32E-12
peak_5314	chr8	56040217	56040755	53530	Intergenic	NM_001012365	trh	-0.360322949	5.676088508	-6.036411457	4.92E-12
peak_4568	chr17	16907159	16907550	192726	intron (NM_001080009, intron 18 of 23)	NM_212789	dio2	-0.360322949	5.680540815	-6.040863764	6.48E-13
peak_5313	chr12	39052898	39053239	-215553	Intergenic	NM_001040355	pmp22b	-0.360322949	5.681425474	-6.041748423	4.92E-12
peak_5212	chr24	1193576	1193973	-49328	intron (NM_181497, intron 10 of 16)	NM_001034971	itgb1a	-0.360322949	5.682689873	-6.043012822	3.87E-12
peak_6149	chr22	20172082	20172474	157655	intron (NM_001130788, intron 2 of 10)	NM_001130788	celf5a	-0.360322949	5.684882765	-6.045205714	3.36E-11
peak_6582	chr21	2294631	2295036	97702	Intergenic	NM_001014292	hmgcrb	-0.360322949	5.686392701	-6.04671565	7.88E-11
peak_5814	chr12	32759451	32759866	30630	intron (NM_131259, intron 3 of 14)	NM_131259	tcf7l2	-0.360322949	5.687203218	-6.047526167	1.55E-11
peak_8034	chr25	20860283	20860673	12350	intron (NM_001006012, intron 3 of 4)	NM_001006012	kctd15a	-0.360322949	5.69724268	-6.057565629	1.01E-09
peak_3315	chr24	18909325	18909922	74085	intron (NM_001006074, intron 4 of 8)	NM_001006074	tpk1	0.234016866	6.293008161	-6.058991295	7.21E-15
peak_5535	chr7	41856032	41856369	-21983	intron (NM_001128667, intron 13 of 22)	NR_030097		-0.360322949	5.698735732	-6.059058681	8.30E-12
peak_4319	chr18	24833257	24833690	2068	intron (NM_153662, intron 1 of 5)	NM_153662	st8sia2	-0.360322949	5.699085793	-6.059408742	2.88E-13
peak_26352	chr3	41926781	41927691	14955	Intergenic	NM_130971	lfng	-0.360322949	5.702385569	-6.062708518	0.000621
peak_5669	chr24	21920556	21921027	31252	Intergenic	NM_001008636	spice1	-0.360322949	5.70318499	-6.063507939	1.14E-11
peak_7271	chr7	21103220	21103544	-5313	Intergenic	NM_001171587	prox1b	-0.360322949	5.704681204	-6.065004153	2.92E-10
peak_3078	chr18	42585019	42585540	-55077	Intergenic	NM_001081628	cdon	0.978440673	7.043655401	-6.065214728	2.78E-15
peak_10384	chr2	10039243	10039597	-32552	Intergenic	NM_200576	gadd45aa	-0.360322949	5.706814571	-6.06713752	2.40E-08
peak_6922	chr21	7996433	7996908	16432	intron (NM_001045299, intron 1 of 12)	NM_001045299	crb2a	-0.360322949	5.70708518	-6.067408129	1.48E-10
peak_2545	chr14	41466485	41467058	227863	Intergenic	NM_001127519	pcdh19	0.625495796	6.693084977	-6.067589181	1.86E-16
peak_5483	chr7	34754951	34755458	-3373	Intergenic	NM_212849	glceb	-0.360322949	5.708589582	-6.068912531	7.35E-12

peak_14691	chr14	27763091	27763717	34566	Intergenic	NM_173263	eef1g	-0.360322949	5.70912141	-6.069444359	1.45E-06
peak_4652	chr4	5892272	5892684	135945	intron (NM_001030082, intron 5 of 20)	NM_001030082	foxp2	-0.360322949	5.709305826	-6.069628775	8.11E-13
peak_4284	chr6	32928303	32928573	153954	Intergenic	NM_001042687	pomgnt1	-0.360322949	5.711350221	-6.07167317	2.59E-13
peak_6488	chr19	29087492	29087887	122896	Intergenic	NR_105066		0.215200887	6.287875451	-6.072674564	6.62E-11
peak_5058	chr17	14234684	14235031	91750	Intergenic	NM_200482	jkamp	-0.360322949	5.714449158	-6.074772107	2.62E-12
peak_5707	chr18	34988250	34988795	-15968	TTS (NM_001044319)	NM_001083063	capn12	-0.360322949	5.719380962	-6.079703911	1.22E-11
peak_6646	chr8	53395047	53395494	-145698	Intergenic	NM_001002178	zgc:91909	-0.360322949	5.720362175	-6.080685124	8.93E-11
peak_2690	chr2	47589903	47590505	9106	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	2.200926086	8.282741298	-6.081815211	4.08E-16
peak_6838	chr2	31054000	31054443	29952	exon (NM_001013270, exon 4 of 12)	NM_001013270	yes1	-0.360322949	5.72443952	-6.084762469	1.27E-10
peak_9128	chr19	35433809	35434261	-7331	Intergenic	NM_213091	elmo1	-0.360322949	5.725404026	-6.085726975	4.99E-09
peak_2528	chr17	22287118	22287618	76105	intron (NM_001039144, intron 1 of 5)	NM_001039144	slc8a1b	0.215200887	6.301183088	-6.085982201	1.73E-16
peak_5348	chr6	6513048	6513985	-65778	Intergenic	NM_001014319	zgc:113227	3.188780911	9.279003885	-6.090222974	5.26E-12
peak_1640	chr18	44321145	44321653	-50031	Intergenic	NM_201026	ap2m1b	1.467052111	7.557419258	-6.090367147	3.81E-19
peak_5780	chr19	48530131	48530537	29972	Intergenic	NM_001012369	ext1b	0.215200887	6.306278948	-6.091078061	1.44E-11
peak_4026	chr22	12417100	12417444	-86874	Intergenic	NR_030072		-0.360322949	5.733293604	-6.093616553	1.12E-13
peak_4080	chr4	20989859	20990174	153545	intron (NM_001045111, intron 1 of 28)	NM_001045111	ppfia2	-0.360322949	5.735470968	-6.095793917	1.34E-13
peak_9237	chr16	7508147	7508677	-42130	Intergenic	NM_001080645	zgc:158657	-0.360322949	5.738214819	-6.098537768	5.80E-09
peak_4806	chr14	18126147	18126581	-88698	Intergenic	NM_001166332	nlgn3a	-0.360322949	5.740978201	-6.10130115	1.27E-12
peak_2500	chr9	32286354	32286822	24768	intron (NM_001037416, intron 6 of 7)	NM_205727	zic5	0.234016866	6.336412739	-6.102395873	1.48E-16
peak_5763	chr11	34650866	34651385	-3438	Intergenic	NM_001079969	spoplb	-0.360322949	5.742403039	-6.102725988	1.39E-11
peak_6622	chr8	30789048	30789578	85258	Intergenic	NM_200364	hsd17b3	-0.360322949	5.743297958	-6.103620907	8.55E-11
peak_4508	chr19	27566550	27566937	61646	Intergenic	NM_212859	tnfa	-0.360322949	5.747446368	-6.107769318	5.51E-13
peak_1959	chr24	33260061	33260539	118894	Intergenic	NM_001018143	trdmt1	1.243333623	7.351321098	-6.107987475	4.69E-18
peak_1975	chr7	25642409	25643528	-2884	Intergenic	NM_001083839	nat8l	2.200926086	8.309189565	-6.108263478	5.33E-18
peak_2732	chr7	41943441	41943938	27717	Intergenic	NM_200305	dnajb6b	0.625495796	6.740744179	-6.115248383	5.23E-16
peak_4729	chr9	362868	363236	-15218	Intergenic	NM_001080074	zgc:158316	-0.360322949	5.755279863	-6.115602812	1.02E-12
peak_2170	chr17	23128389	23128875	-123	promoter-TSS (NM_001100139)	NM_001100139	zgc:165461	1.831388386	7.948812584	-6.117424197	1.87E-17
peak_9567	chr11	44729410	44729931	-32629	Intergenic	NM_001002123	ralbb	-0.360322949	5.760874913	-6.121197862	9.18E-09
peak_2113	chr1	46605349	46606099	-85716	Intergenic	NM_001037662	sox1b	1.66069094	7.783104913	-6.122413972	1.28E-17
peak_2282	chr19	29740599	29741154	36336	Intergenic	NM_001080628	zgc:158604	0.653720264	6.778066017	-6.124345753	4.19E-17
peak_17925	chr17	24109562	24110336	-36976	Intergenic	NM_131250	otx1b	0.215200887	6.340339639	-6.125138752	1.31E-05
peak_6182	chr17	46673878	46674227	698383	Intergenic	NR_029933		-0.360322949	5.765500805	-6.125823754	3.61E-11
peak_8696	chr15	14066080	14066739	4747	TTS (NM_001030247)	NM_001030247	zgc:114130	0.625495796	6.751737506	-6.12624171	2.70E-09
peak_11169	chr7	43041790	43042364	-571562	Intergenic	NM_131063	shha	-0.360322949	5.766469482	-6.126792431	5.88E-08
peak_1716	chr19	34738775	34739321	-4103	Intergenic	NM_001083083	nkd3l	1.618352549	7.745795268	-6.127442718	6.84E-19
peak_3363	chr6	20047339	20047727	-30964	Intergenic	NM_001002216	gadd45ab	-0.360322949	5.767991465	-6.128314414	8.95E-15
peak_16030	chr6	54463306	54464085	-1951	Intergenic	NR_029981		-0.360322949	5.768328161	-6.12865111	3.85E-06
peak_3309	chr19	35885640	35886098	26135	intron (NM_001144043, intron 1 of 18)	NM_001144043	gabbr2	-0.360322949	5.770023126	-6.130346075	6.92E-15
peak_10433	chr7	44793621	44794424	-33211	Intergenic	NM_131214	cdh11	0.215200887	6.347287502	-6.132086615	2.53E-08
peak_16176	chr11	27413259	27413642	96865	Intergenic	NM_001004017	st3gal2l	-0.360322949	5.777675448	-6.137998397	4.21E-06
peak_3203	chr5	49807629	49807975	45768	Intergenic	NM_213371	tmem161b	-0.360322949	5.77845217	-6.138775119	4.50E-15
peak_9858	chr3	59306118	59306503	-17752	Intergenic	NM_001122620	zgc:171489	-0.360322949	5.779675839	-6.139998788	1.33E-08
peak_16931	chr2	23682752	23683309	80180	Intergenic	NR_030519		-0.360322949	5.787897567	-6.148220516	6.78E-06
peak_9342	chr12	23900306	23900707	-20515	Intergenic	NM_001007151	shbg	-0.360322949	5.789555025	-6.149877975	6.81E-09
peak_4267	chr3	22911370	22911679	209254	Intergenic	NM_001128744	cyb561	-0.360322949	5.790096488	-6.150419437	2.45E-13
peak_3489	chr20	33397072	33397478	63911	Intergenic	NM_212614	mycn	0.234016866	6.386549009	-6.152532143	1.45E-14
peak_12280	chr7	38684170	38684682	-85011	Intergenic	NM_001146014	sall1a	-0.360322949	5.793998838	-6.154321787	1.76E-07
peak_8651	chr17	44271173	44271572	24723	Intergenic	NM_131251	otx2	-0.360322949	5.794014376	-6.154337325	2.51E-09
peak_3945	chr7	37637771	37638152	-156801	Intergenic	NM_200105	aktip	-0.360322949	5.794970493	-6.155293442	8.37E-14
peak_7775	chr17	26617012	26617371	-27969	Intergenic	NM_213104	pgrmc2	-0.360322949	5.796197785	-6.156520734	6.70E-10
peak_3622	chr7	29102211	29102838	142526	Intergenic	NM_001017815	rras2	-0.360322949	5.798026289	-6.158349238	2.50E-14
peak_10143	chr6	21065935	21066460	36048	Intergenic	NM_205740	barhl2	-0.360322949	5.80118518	-6.16150813	1.83E-08
peak_4607	chr22	17427906	17428237	-8331	Intergenic	NM_001044715	nrd1	-0.360322949	5.80198592	-6.162308869	7.35E-13
peak_4864	chr9	32452063	32452432	106136	Intergenic	NM_001173502	tmtc4	-0.360322949	5.804747592	-6.165070541	1.57E-12
peak_4018	chr18	25792462	25792784	-39200	Intergenic	NM_199792	znf710a	-0.360322949	5.810682089	-6.171005038	1.10E-13
peak_5109	chr4	8017565	8018224	61564	intron (NM_001260500, intron 6 of 20)	NM_001260500	scube1	-0.360322949	5.811291863	-6.171614812	2.99E-12
peak_5226	chr1	41884039	41884413	37483	Intergenic	NM_200766	paip2b	-0.360322949	5.818179097	-6.178502046	3.96E-12
peak_2596	chr15	8545260	8545824	76282	Intergenic	NM_001128700	tmem160	2.521897487	8.701867102	-6.179969614	2.58E-16
peak_7024	chr11	32652966	32653404	65982	intron (NM_001003624, intron 3 of 5)	NM_001003624	diaph3	-0.360322949	5.821033747	-6.181356696	1.77E-10
peak_7802	chr21	28229446	28229956	88037	Intergenic	NM_001003543	zgc:100829	0.215200887	6.40405159	-6.188850703	6.93E-10
peak_12974	chr10	10293200	10293908	1896	Intergenic	NR_029938		0.215200887	6.40649638	-6.191295493	3.44E-07
peak_3851	chr14	37595615	37596225	2720	intron (NM_213200, intron 1 of 6)	NM_213200	gpm6aa	-0.360322949	5.833649936	-6.193972885	6.14E-14
peak_5388	chr23	27232746	27233256	13193	intron (NM_001044396, intron 2 of 4)	NM_001044396	rnd1l	-0.360322949	5.835771207	-6.196094156	5.76E-12
peak_3166	chr24	5046496	5046840	6784	Intergenic	NM_130933	zic1	-0.360322949	5.83889818	-6.199221129	3.74E-15
peak_8720	chr1	47315939	47316452	13681	Intergenic	NM_001278811	si:ch73-160h15.3	-0.360322949	5.839236723	-6.199559672	2.83E-09
peak_3248	chr8	17851462	17851746	147592	Intergenic	NM_001003556	dimt1l	-0.360322949	5.839663152	-6.199986101	5.61E-15
peak_2684	chr14	11387951	11388737	-205714	Intergenic	NM_001020678	zgc:112315	1.243333623	7.446886203	-6.20355258	3.92E-16
peak_4570	chr12	33363893	33364250	-36294	Intergenic	NM_001110373	habp2	-0.360322949	5.847351225	-6.207674174	6.51E-13
peak_3356	chr4	2769561	2770154	46480	Intergenic	NM_213494	aebp2	-0.360322949	5.848615408	-6.208938357	8.57E-15
peak_3794	chr12	34530351	34531033	174530	Intergenic	NM_130982	nog3	-0.360322949	5.84955991	-6.209882859	4.87E-14
peak_7703	chr20	22468080	22468615	2570	TTS (NM_001025512)	NM_001025512	gsx2	-0.360322949	5.851435726	-6.211758675	6.03E-10
peak_3775	chr23	29323617	29323985	-272429	Intergenic	NM_001002631	dffa	-0.360322949	5.851557659	-6.211880608	4.59E-14
peak_17079	chr16	12633896	12634500	89283	Intergenic	NM_131602	dedd1	-0.360322949	5.852800713	-6.213123662	7.38E-06
peak_2580	chr6	43599708	43600063	214111	intron (NM_001039637, intron 6 of 19)	NM_001039637	foxp1b	0.215200887	6.428653927	-6.21345304	2.24E-16
peak_5996	chr7	40532538	40532948	-25819	Intergenic	NM_131070	mdka	-0.360322949	5.854872969	-6.215195918	2.31E-11
peak_5626	chr23	29773835	29774189	22310	exon (NM_194362, exon 9 of 28)	NM_194362	ube4b	-0.360322949	5.855119751	-6.2154427	1.04E-11
peak_4221	chr15	5815817	5816208	-1684	Intergenic	NM_001003524	sh3bgr	-0.360322949	5.855539583	-6.215862532	2.13E-13
peak_3585	chr20	26504338	26504777	-7645	Intergenic	NM_001281788	akap12b	-0.360322949	5.857143343	-6.217466292	2.08E-14
peak_2594	chr15	18977292	18978174	26003	Intergenic	NM_001017764	zgc:112083	0.653720264	6.872246003	-6.218525738	2.56E-16
peak_4795	chr6	59819041	59819420	-7437	Intergenic	NM_001080701	slc32a1	-0.360322949	5.862560728	-6.222883677	1.23E-12
peak_7128	chr15	28365119	28365691	-3818	Intergenic	NM_130979	dharma	-0.360322949	5.864924595	-6.225247544	2.21E-10
peak_4946	chr13	25178234	25178822	111781	intron (NM_001272084, intron 8 of 10)	NM_001110395	zgc:172281	-0.360322949	5.868228242	-6.228551191	1.91E-12
peak_5054	chr4	2220609	2221071	-9332	intron (NM_201318, intron 14 of 14)	NM_001006011	phlda1	-0.360322949	5.872971343	-6.233294292	2.55E-12
peak_1388	chr1	40310656	40311115	35312	Intergenic	NM_001002448	ing2	1.467052111	7.70329332	-6.236241209	3.44E-20
peak_7772	chr3	12672795	12673227	50185	Intergenic	NM_001110762	vasnb	-0.360322949	5.877381354	-6.237704303	6.68E-10
peak_4127	chr20	39222702	39223185	21308	intron (NM_001030189, intron 10 of 11)	NM_001030189	cyp39a1	-0.360322949	5.879596758	-6.239919708	1.54E-13
peak_5935	chr16	31448760	31449142	4489	Intergenic	NR_029995		-0.360322949	5.883272879	-6.243595828	2.03E-11
peak_3051	chr24	23403253	23403715	36078	Intergenic	NM_001199998	si:dkey-7n6.2	-0.360322949	5.885401524	-6.245724473	2.48E-15
peak_9517	chr15	3314488	3315052	47183	Intergenic	NM_001098750	stoml3a	-0.360322949	5.886379261	-6.24670221	8.51E-09
peak_6720	chr17	20676333	20676926	-77215	Intergenic	NM_212564	cdk1	-0.360322949	5.887026236	-6.247349185	1.04E-10
peak_1550	chr4	4750964	4751502	54594	Intergenic	NM_001013456	ndufa5	1.205700064	7.453433726	-6.247733662	1.91E-19
peak_4654	chr5	28046590	28046965	91025	intron (NM_001128534, intron 2 of 15)	NM_001128534	arvcfb	-0.360322949	5.889501459	-6.249824408	8.18E-13
peak_4602	chr9	8465958	8466458	16327	Intergenic	NM_001045426	zgc:153499	0.234016866	6.487174802	-6.253157936	7.13E-13
peak_4503	chr6	22775967	22776357	118	exon (NM_001045204, exon 1 of 2)	NM_001045204	inha	-0.360322949	5.900000715	-6.260323664	5.48E-13
peak_5269	chr6	36295786	36296308	35238	Intergenic	NM_131079	her6	0.215200887	6.475568371	-6.260367484	4.54E-12
peak_3859	chr3	33486299	33486633	2743	intron (NM_001109711, intron 1 of 9)	NM_001109711	mpp2a	-0.360322949	5.900967794	-6.261290743	6.41E-14
peak_3455	chr13	5126251	5126665	119488	Intergenic	NM_131893	meis1	-0.360322949	5.902915752	-6.263238701	1.27E-14
peak_3519	chr19	28470854	28471304	15052	Intergenic	NM_001017699	med10	-0.360322949	5.905370648	-6.265693597	1.64E-14
peak_6122	chr9	22640141	22640783	71232	Intergenic	NM_001123235	arhgef7a	-0.360322949	5.9074652	-6.267788149	3.21E-11
peak_3818	chr15	27160603	27161123	-101626	Intergenic	NM_131216	lhx1a	-0.360322949	5.908507803	-6.268830752	5.37E-14
peak_1165	chr18	39960653	39961126	70813	Intergenic	NM_001006018	bcl7bb	1.224639552	7.493554065	-6.268914513	2.49E-21
peak_3156	chr6	14239403	14239793	-36690	Intergenic	NM_001128547	inpp4ab	-0.360322949	5.909928894	-6.270251844	3.67E-15
peak_4820	chr23	6711857	6712413	-20104	Intergenic	NM_001020520	mipb	-0.360322949	5.91320048	-6.273523429	1.35E-12
peak_1591	chr5	31367484	31368242	20833	Intergenic	NM_001017712	barhl1a	2.075829856	8.357658773	-6.281828917	2.41E-19
peak_4872	chr17	11064349	11064828	41714	intron (NM_001258228_1, intron 18 of 20)	NM_214731	dact1	-0.360322949	5.922249129	-6.282572078	1.61E-12

peak_3739	chr16	35872259	35872668	-34314	Intergenic	NM_131161	pou3f1	-0.360322949	5.927372537	-6.287695486	3.93E-14
peak_5122	chr2	28302399	28302957	-159318	intron (NM_001013520, intron 2 of 15)	NM_200331	zgc:56556	-0.360322949	5.928361719	-6.288684668	3.14E-12
peak_2854	chr2	47593429	47594557	12895	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	2.521897487	8.814428524	-6.292531037	1.01E-15
peak_9539	chr15	25795329	25795880	79726	Intergenic	NM_199811	rpa1	-0.360322949	5.933939026	-6.294261975	8.85E-09
peak_4498	chr8	30477450	30477827	-6372	Intergenic	NM_001020774	smarcad1	-0.360322949	5.934072523	-6.294395472	5.28E-13
peak_4023	chr17	8526487	8526801	-7888	intron (NM_131715, intron 1 of 8)	NM_001195491	ctbp2a	-0.360322949	5.937156099	-6.297479048	1.12E-13
peak_5389	chr11	22564893	22565381	145579	Intergenic	NM_001013545	zgc:101564	-0.360322949	5.938344487	-6.298667436	5.77E-12
peak_3846	chr16	34905240	34905591	-8158	Intergenic	NM_001007315	fbxl4	-0.360322949	5.940908083	-6.301231032	6.01E-14
peak_2886	chr9	36978045	36978452	23659	Intergenic	NM_131690	atp1a1b	-0.360322949	5.94127219	-6.301595139	1.23E-15
peak_2930	chr21	41153270	41153656	119477	Intergenic	NM_201133	stk10	-0.360322949	5.942655707	-6.302978656	1.48E-15
peak_3604	chr7	48664355	48664734	-273719	Intergenic	NM_001195407	tshz3b	-0.360322949	5.943961043	-6.304283992	2.29E-14
peak_6246	chr17	33325843	33326388	-37993	Intergenic	NM_001012313	snx9a	-0.360322949	5.945453359	-6.305776308	4.12E-11
peak_11465	chr11	43091357	43092120	1833	TTS (NM_182875)	NM_182875	her15.1	-0.360322949	5.946218447	-6.306541396	7.94E-08
peak_4473	chr23	22122236	22122645	164556	Intergenic	NM_001003477	dhrs3a	-0.360322949	5.947955804	-6.308278753	4.99E-13
peak_3034	chr10	11396861	11397351	33007	intron (NM_201103, intron 10 of 13)	NM_201103	cwc27	0.215200887	6.524383826	-6.309182939	2.34E-15
peak_4578	chr6	50003902	50004222	56615	intron (NM_205610, intron 3 of 9)	NM_212675	eif2s2	-0.360322949	5.952026961	-6.312349911	6.64E-13
peak_1851	chr2	10160641	10161038	17199	intron (NM_213146, intron 2 of 11)	NM_213146	wls	0.625495796	6.937991749	-6.312495953	1.84E-18
peak_3855	chr17	53047750	53048578	2115	exon (NM_001128292, exon 2 of 5)	NM_001128292	prox2	-0.360322949	5.956510421	-6.31683337	6.32E-14
peak_15554	chr5	66828113	66828577	-42707	Intergenic	NM_201495	rab14	-0.360322949	5.960723856	-6.321046805	2.71E-06
peak_3179	chr13	33603069	33603495	11163	intron (NM_199898, intron 3 of 21)	NM_199898	brf1a	-0.360322949	5.968651365	-6.328974314	4.00E-15
peak_3435	chr5	68482016	68482424	-2484	Intergenic	NM_153656	ptgs1	-0.360322949	5.96990168	-6.330224629	1.16E-14
peak_5692	chr3	46835597	46836609	19509	Intergenic	NM_131449	elavl3	0.234016866	6.564788485	-6.330771618	1.19E-11
peak_6830	chr15	19450733	19451146	-20995	intron (NM_200665, intron 8 of 10)	NM_130944	dlc	-0.360322949	5.972263102	-6.332586051	1.25E-10
peak_3889	chr20	26347179	26347645	65563	Intergenic	NM_152959	esr1	-0.360322949	5.972363844	-6.332686793	7.04E-14
peak_3316	chr1	17621536	17622000	-30918	Intergenic	NM_001161335	zgc:195282	-0.360322949	5.97355634	-6.333879289	7.24E-15
peak_3510	chr7	62092995	62093495	6594	Intergenic	NM_212647_1		-0.360322949	5.977159661	-6.33748261	1.59E-14
peak_2882	chr13	15114894	15115281	-21099	Intergenic	NM_001080584	mavs	-0.360322949	5.984311995	-6.344634944	1.20E-15
peak_5312	chr22	18925941	18926405	44422	Intergenic	NM_207052	midn	-0.360322949	5.985314324	-6.345637273	4.91E-12
peak_5123	chr5	38285168	38285627	-8655	Intergenic	NM_130958	dlb	-0.360322949	5.986945252	-6.347268201	3.15E-12
peak_31659	chr4	55512986	55514642	-100138	Intergenic	NM_001111199	zgc:173710	-0.360322949	5.98826303	-6.348585979	0.003135
peak_15222	chr7	76611891	76612477	16292	intron (NM_001290417, intron 1 of 5)	NM_001290417	znf219	-0.360322949	5.99352833	-6.353851279	2.14E-06
peak_2354	chr23	31025726	31026198	-23064	Intergenic	NM_001039921	pcmtd2	0.234016866	6.590042311	-6.356025445	6.44E-17
peak_5085	chr2	21804337	21804772	25082	intron (NM_001256694, intron 1 of 9)	NM_001256694	tox	-0.360322949	5.999881046	-6.360203995	2.80E-12
peak_4469	chr7	35863533	35864235	-49494	Intergenic	NM_131267	irx3a	-0.360322949	6.001497643	-6.361820592	4.96E-13
peak_4753	chr5	65467214	65467577	67540	Intergenic	NM_001110103	aspa	-0.360322949	6.001791306	-6.362114255	1.09E-12
peak_5509	chr3	16618772	16619187	-31667	Intergenic	NM_131479	stat3	-0.360322949	6.00628538	-6.366608329	7.82E-12
peak_3272	chr18	23219751	23220262	245425	Intergenic	NM_131301	mef2aa	-0.360322949	6.0097789	-6.370101849	6.05E-15
peak_6708	chr16	35541530	35541857	64174	Intergenic	NM_001020635	rragca	-0.360322949	6.012538635	-6.372861584	1.01E-10
peak_2744	chr5	33381313	33381735	-27196	intron (NM_001076613, intron 3 of 12)	NM_001122846	dpm2	-0.360322949	6.016676085	-6.376999034	5.61E-16
peak_2671	chr9	28316630	28317086	-46340	Intergenic	NM_001126402	si:rp71-84d19.3	-0.360322949	6.01973296	-6.380055909	3.73E-16
peak_7074	chr10	34872460	34872914	109763	intron (NM_200443, intron 13 of 17)	NM_200443	rxfp2b	-0.360322949	6.020831699	-6.381154648	2.00E-10
peak_5257	chr13	5436561	5436971	177320	Intergenic	NM_213234	spred2b	-0.360322949	6.029330328	-6.389653277	4.35E-12
peak_2245	chr16	31439245	31439984	-4848	Intergenic	NR_029995		1.205700064	7.596354556	-6.390654491	2.96E-17
peak_4794	chr18	27347584	27348036	-37047	Intergenic	NM_001077249	tp53i11b	-0.360322949	6.031815076	-6.392138025	1.23E-12
peak_4733	chr17	34316996	34317351	-36589	intron (NM_001177444, intron 8 of 14)	NM_194363	mpp5a	-0.360322949	6.035399148	-6.395722097	1.02E-12
peak_2873	chr4	14930871	14931262	-102809	Intergenic	NM_001044894	si:dkey-117n7.5	-0.360322949	6.040596328	-6.400919277	1.16E-15
peak_4939	chr8	27858204	27858689	-43764	Intergenic	NM_200085	slc16a1	-0.360322949	6.04260645	-6.402929399	1.88E-12
peak_3573	chr22	18505304	18505687	26639	Intergenic	NR_029996		-0.360322949	6.044048733	-6.404371682	2.02E-14
peak_5277	chr4	4864988	4865370	-59352	Intergenic	NM_001013456	ndufa5	-0.360322949	6.057246499	-6.417569448	4.58E-12
peak_3641	chr20	29038993	29039357	52927	Intergenic	NM_001128711	gpr176	-0.360322949	6.063020512	-6.423343461	2.68E-14
peak_2876	chr16	25469017	25469526	-52848	Intergenic	NM_200783	efna1b	-0.360322949	6.063124412	-6.423447361	1.17E-15
peak_5449	chr8	26851983	26852701	-6189	Intergenic	NR_030246		-0.360322949	6.063932873	-6.424255822	6.77E-12
peak_3490	chr24	8400800	8401227	-93181	Intergenic	NM_001039995	slc35b3	-0.360322949	6.067098715	-6.427421664	1.45E-14
peak_1442	chr7	64648564	64648955	643223	Intergenic	NM_131287	sox17	0.625495796	7.053713156	-6.42821736	5.99E-20
peak_11722	chr20	20608464	20609044	-2729	Intergenic	NM_001020585	six6b	-0.360322949	6.071849823	-6.432172772	9.99E-08
peak_6225	chr5	46037311	46037693	72165	Intergenic	NM_001122786	tars	-0.360322949	6.07963353	-6.439956479	3.92E-11
peak_1996	chr7	51937349	51937768	-70079	Intergenic	NM_001127470	hypk	0.234016866	6.675517362	-6.441500496	6.13E-18
peak_5304	chr13	34660485	34660909	-252410	intron (NM_200549, intron 8 of 19)	NM_001100953	tasp1	-0.360322949	6.082219564	-6.442542513	4.87E-12
peak_1378	chr11	43140786	43141488	-37551	Intergenic	NM_001105592	her15.2	1.831388386	8.277490528	-6.446102141	3.14E-20
peak_10308	chr20	23767692	23768636	43488	intron (NM_001044792, intron 2 of 11)	NM_001044792	sh3rf1	-0.360322949	6.089779143	-6.450102092	2.20E-08
peak_5513	chr17	27254772	27255523	-6035	Intergenic	NR_030062		-0.360322949	6.093897357	-6.454220306	7.88E-12
peak_6749	chr13	22422901	22423418	17877	Intergenic	NM_205678	myoz1a	-0.360322949	6.097177114	-6.457500063	1.09E-10
peak_2793	chr21	11616507	11616856	26619	intron (NM_001020714, intron 6 of 9)	NM_001020714	zgc:113162	-0.360322949	6.097952012	-6.458274961	7.41E-16
peak_1732	chr3	28286140	28286770	-59641	Intergenic	NM_001005596	rbfox1	1.467052111	7.93065162	-6.463599509	7.78E-19
peak_3648	chr9	2602226	2602574	-9498	Intergenic	NM_212960	sp9	-0.360322949	6.105054398	-6.465377347	2.76E-14
peak_5608	chr5	35054367	35054837	24255	intron (NM_001128527, intron 1 of 28)	NM_001128527	garnl3	-0.360322949	6.107424127	-6.467747076	1.01E-11
peak_3262	chr2	4076002	4076512	-13371	Intergenic	NM_205701	c1ql3b	-0.360322949	6.110880713	-6.471203662	5.85E-15
peak_1133	chr1	23784383	23784916	249802	Intergenic	NM_001130587	tmem154	1.426730103	7.89822308	-6.471492977	1.78E-21
peak_8607	chr23	6598245	6598696	3072	intron (NM_205682, intron 2 of 12)	NM_205682	spo11	-0.360322949	6.119336562	-6.479659512	2.40E-09
peak_4759	chr4	13028516	13029137	8911	TTS (NM_001080080)	NM_001030098	prickle1b	-0.360322949	6.120202788	-6.480525737	1.11E-12
peak_3958	chr7	56944471	56944895	47937	Intergenic	NM_001003506	trappc2l	-0.360322949	6.121543591	-6.48186654	9.02E-14
peak_3036	chr16	32425749	32426062	-44587	Intergenic	NM_001199365	sema6e	-0.360322949	6.122030908	-6.482353857	2.35E-15
peak_2025	chr25	17824745	17825270	62319	Intergenic	NM_213432	e2f4	0.234016866	6.717800163	-6.483783297	7.60E-18
peak_3695	chr20	42361464	42361942	48893	Intergenic	NM_001039977	dcbld1	-0.360322949	6.124499603	-6.484822552	3.26E-14
peak_2661	chr7	43034384	43035068	-578913	Intergenic	NM_131063	shha	-0.360322949	6.127428275	-6.487751224	3.54E-16
peak_3350	chr4	11931005	11931327	-4661	Intergenic	NM_212680	hmga2	-0.360322949	6.127748121	-6.48807107	8.37E-15
peak_3201	chr7	66477290	66477843	147027	Intergenic	NM_001077722	tpcn2	-0.360322949	6.12793101	-6.488253959	4.45E-15
peak_4726	chr10	27866916	27867429	135559	Intergenic	NM_152948	cxadr	-0.360322949	6.128270683	-6.488593632	1.01E-12
peak_6158	chr17	21628797	21629538	-6124	Intergenic	NM_131634	hmx3	-0.360322949	6.132333175	-6.492656124	3.46E-11
peak_2954	chr9	35554828	35555586	-57334	Intergenic	NM_001126411	shox	1.205700064	7.701660602	-6.495960538	1.68E-15
peak_3978	chr20	30848622	30849071	78009	Intergenic	NM_200198	hebp2	-0.360322949	6.138009437	-6.498332387	9.75E-14
peak_2792	chr24	38879727	38880164	28453	Intergenic	NM_001002057	gnptg	-0.360322949	6.139066281	-6.49938923	7.28E-16
peak_1896	chr6	14182313	14182933	20285	intron (NM_001128547, intron 1 of 21)	NM_001128547	inpp4ab	2.247969535	8.756696248	-6.508726713	2.60E-18
peak_3056	chr5	15647298	15647902	295184	Intergenic	NM_001171697	npffr1l2	-0.360322949	6.151931624	-6.512254573	2.53E-15
peak_3048	chr11	26898910	26899429	74985	intron (NM_001080082, intron 1 of 8)	NM_001080082	zgc:158299	-0.360322949	6.153677612	-6.514000561	2.44E-15
peak_3346	chr23	1814114	1814585	88767	Intergenic	NM_001076663	rabggta	-0.360322949	6.158544888	-6.518867837	8.26E-15
peak_3776	chr9	27860013	27860398	-502993	Intergenic	NM_001126402	si:rp71-84d19.3	-0.360322949	6.159431367	-6.519754316	4.59E-14
peak_2739	chr6	28065432	28065767	57604	intron (NM_201198, intron 1 of 10)	NM_201198	lpp	-0.360322949	6.159471102	-6.519794051	5.40E-16
peak_4151	chr23	4482789	4483220	-22167	intron (NM_181498_1, intron 2 of 5)	NM_001122628	si:ch73-142c19.1	-0.360322949	6.160235214	-6.520558163	1.66E-13
peak_2247	chr8	32457774	32458277	-3574	Intergenic	NM_001083578	ghra	-0.360322949	6.161064584	-6.521387533	2.98E-17
peak_3106	chr20	36629601	36630160	12041	intron (NM_001013521, intron 1 of 12)	NM_001013521	enah	0.944570835	7.469248599	-6.524677765	2.96E-15
peak_1957	chr9	24243651	24244101	6665	intron (NM_001123275, intron 1 of 24)	NM_001123275	kif5c	0.625495796	7.15273948	-6.527243684	4.66E-18
peak_15209	chr10	8313245	8313926	9729	intron (NM_001002119, intron 1 of 8)	NM_001002119	tpm2	-0.360322949	6.172527707	-6.532850656	2.11E-06
peak_12462	chr14	32783062	32783528	-50708	Intergenic	NM_212598	rbmx	-0.360322949	6.175154405	-6.535477355	2.12E-07
peak_6229	chr5	70421137	70421545	-23783	intron (NM_131418, intron 6 of 16)	NM_001089554	si:dkey-251i10.1	-0.360322949	6.175398117	-6.535721066	3.95E-11
peak_4540	chr10	10291154	10291770	3988	Intergenic	NR_029938		-0.360322949	6.177142037	-6.537464986	6.02E-13
peak_3274	chr13	31537390	31537850	-17660	Intergenic	NM_213410	prdm8	-0.360322949	6.178268563	-6.538591512	6.16E-15
peak_2677	chr13	34017670	34018093	33754	intron (NM_200549, intron 3 of 19)	NM_001256646	flrt3	-0.360322949	6.17844887	-6.53877182	3.81E-16
peak_1085	chr14	23456618	23457405	-3197	Intergenic	NM_001012383	gdf9	1.205700064	7.751262148	-6.545562084	8.31E-22
peak_3042	chr8	33222375	33222912	11404	Intergenic	NM_200128	lipg	-0.360322949	6.185545566	-6.545868515	2.39E-15
peak_3816	chr23	2966952	2967644	41733	Intergenic	NM_001089467	zgc:158828	-0.360322949	6.190043201	-6.55036615	5.33E-14
peak_5068	chr11	33360674	33361168	174580	Intergenic	NM_001160822	pcdh17	-0.360322949	6.19724835	-6.557571299	2.67E-12
peak_1624	chr20	52344262	52344918	172783	Intergenic	NM_001045274	taf1a	0.653720264	7.213155163	-6.559434898	3.29E-19
peak_2256	chr14	26903412	26904087	40971	intron (NM_131402, intron 8 of 8)	NM_199956	g3bp1	0.653720264	7.213594428	-6.559874164	3.16E-17
peak_824	chr19	48872380	48872896	-9955	Intergenic	NM_131813	angpt1	1.234016866	7.794179318	-6.560162452	1.77E-23

peak_5192	chr5	60370971	60371411	167599	Intergenic	NM_001002701	tmem136b	-0.360322949	6.204936011	-6.56525896	3.74E-12
peak_3112	chr2	32919754	32920242	12495	intron (NM_001076570, intron 8 of 10)	NM_001076570	rnf220a	-0.360322949	6.210007374	-6.570330323	3.04E-15
peak_2321	chr17	31726963	31727627	-8524	3' UTR (NM_001077796, exon 6 of 6)	NM_131462	vsx2	0.95594936	7.533844178	-6.577894818	5.54E-17
peak_1022	chr20	32417729	32418336	26277	intron (NM_001025482, intron 7 of 12)	NM_001025482	lace1b	1.205700064	7.784087118	-6.578387054	3.66E-22
peak_3100	chr24	25161389	25161804	92090	Intergenic	NM_200955	bhlhe22	-0.360322949	6.220220908	-6.580543857	2.89E-15
peak_2995	chr14	34761699	34762116	63643	Intergenic	NM_001166124	apln	-0.360322949	6.224820876	-6.585143825	2.00E-15
peak_2769	chr7	29919223	29919860	-18055	intron (NM_001014813, intron 16 of 22)	NM_199732	tmem9b	-0.360322949	6.225001437	-6.585324386	6.41E-16
peak_11105	chr7	23889987	23890816	4578	intron (NM_200211, intron 2 of 16)	NM_200211	fxr2	-0.360322949	6.231860551	-6.5921835	5.51E-08
peak_1148	chr23	23665171	23665854	29893	Intergenic	NM_131873	her9	1.618352549	8.213294129	-6.59494158	2.05E-21
peak_7582	chr15	28543887	28544303	-32950	Intergenic	NM_001076647	zgc:153893	-0.360322949	6.242055728	-6.602378677	4.99E-10
peak_4178	chr23	3369763	3370469	53439	Intergenic	NM_131015	mafba	0.234016866	6.841101913	-6.607085047	1.83E-13
peak_4814	chr25	38396985	38397327	-7256	Intergenic	NM_199979	slc1a2b	-0.360322949	6.250735931	-6.61105888	1.32E-12
peak_9272	chr2	4071466	4071901	-17945	Intergenic	NM_205701	c1ql3b	-0.360322949	6.251521311	-6.61184426	6.12E-09
peak_15034	chr4	10743221	10743626	-17086	Intergenic	NM_212694	mkln1	-0.360322949	6.257566363	-6.617889312	1.86E-06
peak_29280	chr8	47760587	47760927	153163	Intergenic	NM_212758	ppiaa	-0.360322949	6.258711357	-6.619034306	0.001653
peak_3982	chr8	9847773	9848254	267197	intron (NM_001098489, intron 10 of 31)	NM_001098489	plxna3	0.234016866	6.855845589	-6.621828723	9.88E-14
peak_3046	chr22	21763489	21763932	34900	intron (NM_001045077, intron 3 of 5)	NM_001082925	s1pr3a	-0.360322949	6.267887172	-6.628210121	2.41E-15
peak_936	chr18	24625244	24625967	-77704	Intergenic	NM_001045011	rgma	1.426730103	8.058075613	-6.63134551	8.37E-23
peak_6224	chr23	23405056	23405607	68228	Intergenic	NM_001003830	noc2l	-0.360322949	6.275557285	-6.635880234	3.92E-11
peak_2319	chr16	29679847	29680433	9352	intron (NM_152970, intron 2 of 17)	NM_152970	invs	-0.360322949	6.27684634	-6.637169289	5.48E-17
peak_3961	chr2	32802450	32802908	-104824	Intergenic	NM_001076570	rnf220a	-0.360322949	6.278246223	-6.638569172	9.21E-14
peak_2222	chr23	21218956	21219386	67194	intron (NM_001146149, intron 7 of 8)	NM_001146149	pax7b	-0.360322949	6.289004404	-6.649327353	2.53E-17
peak_2697	chr4	10492946	10493456	-29422	Intergenic	NM_001017563	ankrd16	-0.360322949	6.293698049	-6.654020998	4.25E-16
peak_2735	chr13	28361454	28361959	125752	intron (NM_001077778, intron 5 of 9)	NM_001077778	smap1	-0.360322949	6.29419905	-6.654521999	5.35E-16
peak_2399	chr18	26134012	26134462	-74449	Intergenic	NM_212688	ctsh	-0.360322949	6.300957658	-6.661280607	8.23E-17
peak_15185	chr5	36642809	36643876	27681	Intergenic	NM_212913	foxd1l	-0.360322949	6.302530404	-6.662853353	2.07E-06
peak_2672	chr8	24342044	24342423	-32716	Intergenic	NM_001014824	sema3gb	-0.360322949	6.303928048	-6.664250997	3.73E-16
peak_6272	chr6	20884568	20885043	-145344	Intergenic	NM_205740	barhl2	-0.360322949	6.304050433	-6.664373382	4.33E-11
peak_2806	chr2	42860575	42861133	12330	Intergenic	NM_001002469		-0.360322949	6.307302089	-6.667625038	7.82E-16
peak_1972	chr23	3106371	3106886	181063	Intergenic	NM_001089467	zgc:158828	-0.360322949	6.307456991	-6.66777994	5.22E-18
peak_2554	chr16	12646105	12646629	101452	Intergenic	NM_131602	dedd1	0.944570835	7.612714898	-6.668144063	1.94E-16
peak_9500	chr13	29146832	29147649	137779	Intergenic	NM_001020523	nsmce4a	-0.360322949	6.311077761	-6.67140071	8.36E-09
peak_1997	chr12	38707900	38708320	129405	Intergenic	NM_001040355	pmp22b	0.234016866	6.91366097	-6.679644104	6.22E-18
peak_1222	chr15	26621237	26621759	-91788	intron (NM_200622, intron 22 of 24)	NM_131051	tbx2b	0.653720264	7.33801729	-6.684297025	5.69E-21
peak_2158	chr9	54641658	54642145	103819	intron (NM_001288817, intron 7 of 31)	NM_001288817	trpm2	-0.360322949	6.324895651	-6.6852186	1.64E-17
peak_2358	chr1	36209505	36210032	64717	Intergenic	NM_212807	pou4f2	-0.360322949	6.344407239	-6.704730188	6.56E-17
peak_3399	chr13	36230190	36230791	-27572	Intergenic	NM_001145575	kcnk1b	1.205700064	7.915900034	-6.71019997	1.05E-14
peak_2709	chr21	9884298	9884751	-8086	Intergenic	NM_001076714	grin1a	-0.360322949	6.35208948	-6.712412429	4.69E-16
peak_1923	chr4	14568317	14568718	-82673	intron (NM_214804, intron 8 of 9)	NM_001004495	plxna4	-0.360322949	6.35480259	-6.715125539	3.59E-18
peak_2726	chr5	51215655	51216286	-311603	Intergenic	NM_131180	nr2f1a	-0.360322949	6.355483323	-6.715806272	5.10E-16
peak_2513	chr18	8606211	8606579	-29986	Intergenic	NM_131048	sema3d	-0.360322949	6.35568745	-6.716010399	1.58E-16
peak_3994	chr3	35393867	35394335	-97342	Intergenic	NM_001003873	rbbp6	-0.360322949	6.357577893	-6.717900842	1.04E-13
peak_2574	chr6	27592946	27593361	-11732	Intergenic	NM_200602	cep63	-0.360322949	6.376286194	-6.736609143	2.19E-16
peak_1451	chr16	28549534	28549993	-66568	Intergenic	NM_001044848	arhgef1b	0.653720264	7.404389615	-6.75066935	6.73E-20
peak_5446	chr5	58299490	58300048	34162	Intergenic	NM_001007340	ppm1db	-0.360322949	6.390843477	-6.751166426	6.72E-12
peak_1160	chr20	21174047	21174481	-166926	Intergenic	NM_001044888	nudt14	0.978440673	7.738110978	-6.759670305	2.41E-21
peak_2926	chr21	41052233	41052648	220500	Intergenic	NM_201133	stk10	-0.360322949	6.400042309	-6.760365258	1.46E-15
peak_1769	chr24	6224256	6224696	17836	intron (NM_001017708, intron 15 of 15)	NM_001017708	gad2	0.234016866	7.002173236	-6.76815637	9.76E-19
peak_6783	chr17	20679609	20680795	-73642	Intergenic	NM_212564	cdk1	0.234016866	7.012315325	-6.778298459	1.14E-10
peak_2407	chr2	32823723	32824694	-83295	Intergenic	NM_001076570	rnf220a	-0.360322949	6.418765059	-6.779088008	8.54E-17
peak_4816	chr5	31379808	31380359	8613	Intergenic	NM_001017712	barhl1a	-0.360322949	6.422114221	-6.78243717	1.32E-12
peak_862	chr14	33516993	33517444	-102103	Intergenic	NM_001039135	inppl1b	0.639677051	7.422393175	-6.782716124	2.96E-23
peak_6541	chr13	35314860	35315403	-235675	Intergenic	NM_001003562	sptlc3	-0.360322949	6.426951325	-6.787274274	7.24E-11
peak_2250	chr6	42690009	42690431	-61474	Intergenic	NM_001014822	sema3fa	-0.360322949	6.429951423	-6.790274372	3.01E-17
peak_7642	chr10	34046511	34047102	-79847	Intergenic	NM_001017871	myl10	-0.360322949	6.437570003	-6.797892952	5.47E-10
peak_5621	chr18	34999458	34999928	-4797	Intergenic	NM_001083063	capn12	-0.360322949	6.439566798	-6.799889747	1.03E-11
peak_2209	chr16	26314651	26315101	59933	intron (NM_001076627, intron 1 of 12)	NM_001076627	bcam	-0.360322949	6.440918115	-6.801241064	2.39E-17
peak_11603	chr17	24110487	24111206	-36079	Intergenic	NM_131250	otx1b	-0.360322949	6.441926938	-6.802249887	9.09E-08
peak_1750	chr23	10190503	10190965	-62697	Intergenic	NM_001111167	zgc:171775	-0.360322949	6.445011187	-6.805334136	8.61E-19
peak_2616	chr17	42064815	42065377	-42800	Intergenic	NM_001098390	zgc:162576	-0.360322949	6.449787679	-6.810110629	2.84E-16
peak_2499	chr21	17915193	17915563	29345	Intergenic	NM_001002475	nkx6.1	-0.360322949	6.462156909	-6.822479859	1.48E-16
peak_1434	chr8	41561606	41562344	2426	intron (NM_001013516, intron 3 of 11)	NM_001013516	msi1	1.426730103	8.257202001	-6.830471898	5.66E-20
peak_4661	chr12	28215855	28216479	23084	intron (NM_200874, intron 2 of 16)	NM_200874	arhgap12b	-0.360322949	6.472256264	-6.832579213	8.32E-13
peak_1394	chr17	24217877	24218615	-49443	Intergenic	NM_199969	mdh1b	0.639677051	7.4730213	-6.833344249	3.59E-20
peak_5882	chr24	4976357	4976988	76780	Intergenic	NM_130933	zic1	-0.360322949	6.478785149	-6.839108098	1.82E-11
peak_2285	chr7	36205482	36205908	-43814	Intergenic	NM_199272	esrp2	-0.360322949	6.48000042	-6.840323369	4.38E-17
peak_1807	chr21	36236005	36236566	116425	intron (NM_001007405_1, intron 11 of 11)	NM_205565	zgc:77151	-0.360322949	6.485254328	-6.845577277	1.37E-18
peak_1998	chr12	24860203	24860556	13805	Intergenic	NM_131784	bambia	-0.360322949	6.487898412	-6.848221361	6.34E-18
peak_1588	chr3	29934717	29935367	69148	intron (NM_200641, intron 1 of 3)	NM_200641	cacng2a	0.639677051	7.488083081	-6.84840603	2.40E-19
peak_3317	chr10	42284797	42285266	20377	intron (NM_001039812, intron 4 of 19)	NM_001039812	bmp1b	-0.360322949	6.488851888	-6.849174837	7.24E-15
peak_7612	chr6	36296815	36297385	34185	Intergenic	NM_131079	her6	-0.360322949	6.493350259	-6.853673208	5.21E-10
peak_2232	chr10	40667783	40668298	-283	promoter-TSS (NM_001098734)	NM_001098734	kcnj1b	0.234016866	7.088858333	-6.854841467	2.68E-17
peak_856	chr12	28211533	28211997	18682	intron (NM_200874, intron 2 of 16)	NM_200874	arhgap12b	0.653720264	7.509974972	-6.856254707	2.80E-23
peak_3391	chr7	38066851	38067555	46282	Intergenic	NR_036681		-0.360322949	6.498720552	-6.859043502	1.01E-14
peak_2544	chr13	17148915	17149452	364152	intron (NM_001020701, intron 5 of 6)	NM_001020701	c10orf11	-0.360322949	6.504708348	-6.865031297	1.85E-16
peak_1828	chr7	28708345	28708973	103230	Intergenic	NM_001002471	calca	-0.360322949	6.505790551	-6.8661135	1.57E-18
peak_816	chr23	29418254	29418746	-182344	Intergenic	NM_198364	tardbpl	0.653720264	7.533100321	-6.879380056	1.53E-23
peak_728	chr13	33615637	33616206	6769	intron (NM_199898, intron 5 of 21)	NM_001114925	btbd6a	0.967238845	7.857568972	-6.890330126	3.14E-24
peak_2269	chr16	18750372	18751093	172281	Intergenic	NM_001003589	ccdc12	-0.360322949	6.532697381	-6.89302033	3.58E-17
peak_2128	chr6	43042067	43042486	-18801	Intergenic	NM_001130694	lrrn1	-0.360322949	6.557665734	-6.917988683	1.38E-17
peak_1610	chr4	17788667	17789212	21235	TTS (NM_001130612)	NM_001130612	atxn10	-0.360322949	6.574060205	-6.934383154	2.81E-19
peak_2311	chr10	3720222	3720762	192734	Intergenic	NM_001037412	zgc:123275	-0.360322949	6.577144138	-6.937467087	5.28E-17
peak_2498	chr25	11679307	11679859	-286127	Intergenic	NM_001265607	mespbb	-0.360322949	6.57887199	-6.939194939	1.48E-16
peak_3492	chr13	39542476	39542987	171791	Intergenic	NM_001077317	zgc:153049	-0.360322949	6.578988549	-6.939311498	1.46E-14
peak_3320	chr13	31483197	31483631	36546	Intergenic	NM_213410	prdm8	-0.360322949	6.580670744	-6.940993693	7.42E-15
peak_1824	chr5	51167238	51167644	-355721	Intergenic	NM_001201438	si:dkey-172m14..	-0.360322949	6.580739232	-6.941062181	1.52E-18
peak_3282	chr23	32966898	32967310	335983	Intergenic	NM_200286	taf8	-0.360322949	6.581158716	-6.941481665	6.41E-15
peak_2040	chr5	36342408	36342873	-108117	Intergenic	NM_001114845	hexa	-0.360322949	6.590925327	-6.951248276	8.14E-18
peak_1703	chr22	4647815	4648277	-61	promoter-TSS (NM_131225)	NM_131225	rx1	-0.360322949	6.591015696	-6.951338645	6.09E-19
peak_4493	chr18	27562341	27563067	42330	intron (NM_212663, intron 4 of 9)	NM_212663	cd82b	-0.360322949	6.594636532	-6.954959481	5.25E-13
peak_1466	chr10	29601494	29602102	-84247	Intergenic	NM_131000	alcama	0.215200887	7.17698417	-6.961783283	7.96E-20
peak_1718	chr16	45154814	45155459	-77690	Intergenic	NM_001039979	ppox	-0.360322949	6.6200821	-6.980405049	6.98E-19
peak_3704	chr18	24027537	24028016	232804	Intergenic	NR_120393		-0.360322949	6.620716015	-6.981038964	3.36E-14
peak_2271	chr17	53288067	53288552	-58888	Intergenic	NM_131896	meis2a	-0.360322949	6.623716753	-6.984039702	3.68E-17
peak_1803	chr8	18366214	18366709	-22164	Intergenic	NM_001202434	slc44a5b	-0.360322949	6.626574981	-6.98689793	1.36E-18
peak_3452	chr23	24140560	24141141	-64454	intron (NM_001177452, intron 18 of 33)	NM_200454	ptpn11b	-0.360322949	6.631467272	-6.991790221	1.24E-14
peak_2330	chr18	20017486	20018155	10302	intron (NM_131012, intron 4 of 20)	NM_131012	gro2	-0.360322949	6.641025262	-7.001348211	5.74E-17
peak_9522	chr1	54588291	54589357	8596	exon (NM_130954, exon 10 of 12)	NM_130954	dla	-0.360322949	6.649054375	-7.009377324	8.56E-09
peak_1792	chr6	41491275	41491679	-24311	Intergenic	NM_001114419	hemk1	-0.360322949	6.653323902	-7.013646851	1.16E-18
peak_1515	chr8	23897174	23897680	34822	TTS (NM_001045205)	NM_001128259	uckl1a	-0.360322949	6.656242786	-7.016565735	1.28E-19
peak_2968	chr6	6517880	6518623	-61043	Intergenic	NM_001014319	zgc:113227	-0.360322949	6.657869887	-7.018192836	1.80E-15
peak_3579	chr12	6537072	6537539	-109431	Intergenic	NM_001161653_1	plce1	-0.360322949	6.658161687	-7.018484636	2.05E-14
peak_1791	chr19	32069510	32070008	-13200	Intergenic	NM_001045142	myclb	-0.360322949	6.658857614	-7.019180564	1.15E-18
peak_1967	chr6	27827654	27828241	-85919	Intergenic	NM_131496	smx5	-0.360322949	6.661001472	-7.021324421	4.91E-18
peak_1761	chr11	16813132	16813588	-146020	Intergenic	NM_001110030	kbtbd8	-0.360322949	6.681953341	-7.04227629	9.08E-19

peak_2837	chr24	32554849	32555279	-36547	Intergenic	NM_001002229	snx7	-0.360322949	6.68865585	-7.048978799	9.41E-16
peak_1684	chr24	28901435	28901815	-152189	Intergenic	NM_001080203	hs6st1b	-0.360322949	6.690066093	-7.050389042	5.47E-19
peak_3218	chr12	43358325	43358839	-90735	Intergenic	NM_001020516	dpysl4	-0.360322949	6.699697294	-7.060020243	4.73E-15
peak_4466	chr3	24458544	24459173	-22590	Intergenic	NM_001003478	prr15la	-0.360322949	6.700017561	-7.06034051	4.90E-13
peak_2070	chr13	28779712	28780447	-23917	intron (NM_131521, intron 7 of 8)	NM_001044333	wbp1la	-0.360322949	6.706483182	-7.066806131	9.72E-18
peak_2426	chr8	50352046	50352572	295544	Intergenic	NM_001128254	mfn2	-0.360322949	6.707543981	-7.06786693	9.78E-17
peak_2655	chr5	49787295	49788160	-29496	Intergenic	NM_001013453	ccnh	-0.360322949	6.707754836	-7.068077785	3.43E-16
peak_828	chr19	43307616	43308122	2921	intron (NM_001044977, intron 1 of 11)	NM_001044977	tinagl1	0.639677051	7.708744564	-7.069067513	1.85E-23
peak_2347	chr10	44075967	44076505	-26049	Intergenic	NM_200539	stc1l	-0.360322949	6.709124694	-7.069447643	6.31E-17
peak_1475	chr3	50013852	50014529	10563	intron (NM_001076646, intron 1 of 2)	NM_001080569	hs3st3b1a	-0.360322949	6.717986189	-7.078309138	8.84E-20
peak_1767	chr4	16866865	16867446	-5819	Intergenic	NM_001007322	mybpc1	-0.360322949	6.726427904	-7.086750853	9.66E-19
peak_2520	chr18	39671304	39671738	17206	intron (NM_212831, intron 1 of 13)	NM_212831	veph	-0.360322949	6.734067258	-7.094390207	1.66E-16
peak_2055	chr17	21472827	21473362	141073	Intergenic	NM_001115098	hmx2	-0.360322949	6.740713463	-7.101036412	8.93E-18
peak_1265	chr7	25117355	25117855	42768	Intergenic	NM_199948	syt4	-0.360322949	6.742933464	-7.103256413	9.78E-21
peak_1019	chr22	18516324	18517056	-27072	Intergenic	NM_212916	gatad2ab	0.944570835	8.05138895	-7.106818115	3.37E-22
peak_2408	chr7	56815909	56816365	-13146	intron (NM_001080641, intron 13 of 14)	NM_200668	aprt	-0.360322949	6.74806411	-7.108387059	8.55E-17
peak_2323	chr22	24476550	24477142	75204	Intergenic	NR_029937		-0.360322949	6.751590553	-7.111913502	5.61E-17
peak_1402	chr8	34276958	34277441	-47244	intron (NM_001136477, intron 9 of 9)	NM_001025167	lmx1bb	0.215200887	7.327314841	-7.112113954	3.84E-20
peak_2425	chr20	26134188	26134708	-38821	Intergenic	NM_001082917	myct1	-0.360322949	6.760509911	-7.12083286	9.70E-17
peak_1582	chr2	45304676	45305225	-52212	Intergenic	NR_029925		-0.360322949	6.761876736	-7.122199685	2.32E-19
peak_798	chr21	22874614	22875402	149629	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	0.653720264	7.784373271	-7.130653006	1.10E-23
peak_1971	chr18	22590805	22591276	16928	intron (NM_200787, intron 2 of 7)	NM_200787	gnao1a	-0.360322949	6.771467568	-7.131790517	5.10E-18
peak_2033	chr20	19660258	19660987	26079	Intergenic	NM_131597	nme6	-0.360322949	6.782131644	-7.142454593	7.86E-18
peak_2017	chr10	10169614	10170141	125573	Intergenic	NR_029938		-0.360322949	6.790542089	-7.150865038	7.10E-18
peak_885	chr8	2863662	2864170	46464	Intergenic	NM_001126405	naif1	0.215200887	7.372974298	-7.157773411	4.01E-23
peak_2953	chr16	35801544	35802029	-104991	Intergenic	NM_131161	pou3f1	-0.360322949	6.802579923	-7.162902872	1.68E-15
peak_1945	chr13	31530402	31530892	-10687	Intergenic	NM_213410	prdm8	-0.360322949	6.80789211	-7.168215059	4.25E-18
peak_1334	chr7	32543896	32544413	-164775	Intergenic	NM_001089326	ctdspl2b	-0.360322949	6.816382527	-7.176705476	1.76E-20
peak_1651	chr17	31743804	31744200	10325	intron (NM_001077796, intron 5 of 5)	NM_001077796	lin52	-0.360322949	6.824669261	-7.18499221	4.19E-19
peak_1994	chr4	9276018	9276567	-154841	Intergenic	NM_001082867	kcnd2	-0.360322949	6.83787539	-7.198198339	6.00E-18
peak_1510	chr25	17794394	17794856	31937	Intergenic	NM_213432	e2f4	-0.360322949	6.85210059	-7.212423539	1.23E-19
peak_2086	chr23	22245406	22245878	121133	Intergenic	NM_001136488	phc2a	-0.360322949	6.853554415	-7.213877364	1.07E-17
peak_2275	chr21	20333462	20333857	69001	Intergenic	NM_001014304	pvrl3b	-0.360322949	6.863067921	-7.22339087	3.87E-17
peak_2021	chr11	44857938	44858419	-42299	Intergenic	NM_001015069_1	gli2b	-0.360322949	6.867332375	-7.227655324	7.34E-18
peak_2922	chr1	28760046	28760476	16878	intron (NM_212728, intron 11 of 16)	NM_212728	tm9sf2	-0.360322949	6.868820489	-7.229143439	1.43E-15
peak_1164	chr10	22040013	22040502	27136	Intergenic	NM_001024126	pcdh1g30	0.215200887	7.462031221	-7.246830334	2.49E-21
peak_3480	chr3	46836852	46837374	18499	Intergenic	NM_131449	elavl3	-0.360322949	6.900872461	-7.26119541	1.40E-14
peak_1749	chr21	22914594	22915166	109757	intron (NM_131202, intron 1 of 18)	NM_131202	ncam1a	-0.360322949	6.912801241	-7.27312419	8.51E-19
peak_1440	chr11	32211497	32212382	6369	intron (NM_001201559, intron 3 of 19)	NM_001201559	im:7137555	-0.360322949	6.935707392	-7.296030341	5.97E-20
peak_5872	chr22	4645404	4645946	2310	intron (NM_131225, intron 2 of 3)	NM_131225	rx1	-0.360322949	6.937009841	-7.29733279	1.78E-11
peak_3044	chr5	36266082	36266683	-31859	Intergenic	NM_001114845	hexa	-0.360322949	6.941345887	-7.301668836	2.41E-15
peak_2262	chr2	32268903	32269479	23609	Intergenic	NM_213298	tmub1	-0.360322949	6.945164999	-7.305487948	3.34E-17
peak_1963	chr5	42313922	42314564	44914	Intergenic	NM_130962	isl1	-0.360322949	6.958906797	-7.319229746	4.77E-18
peak_1571	chr17	35340021	35340466	65202	intron (NM_001045207, intron 4 of 27)	NM_001037409	itgb1bp1	-0.360322949	6.973966662	-7.334289611	2.16E-19
peak_1277	chr16	25460371	25460851	-61508	Intergenic	NM_200783	efna1b	-0.360322949	6.980804277	-7.341127226	1.09E-20
peak_2073	chr18	47958854	47959695	-140577	Intergenic	NM_001007334	yif1b	-0.360322949	6.986870349	-7.347193298	9.84E-18
peak_1348	chr9	13315649	13316661	80163	intron (NM_001039807, intron 3 of 12)	NM_001039807	bmpr2b	0.625495796	7.974063667	-7.348567871	2.12E-20
peak_2337	chr16	7523709	7524317	-26529	Intergenic	NM_001080645	zgc:158657	-0.360322949	7.04182976	-7.402152709	5.94E-17
peak_1286	chr22	19891818	19892338	20334	Intergenic	NM_001105607	LOC100006793	-0.360322949	7.045099651	-7.4054226	1.20E-20
peak_1708	chr9	26763560	26764016	-45390	Intergenic	NM_001135104	zeb2a	-0.360322949	7.054229376	-7.414552325	6.36E-19
peak_1305	chr13	24545816	24546331	-10553	Intergenic	NM_001126381	rab4a	-0.360322949	7.067794805	-7.428117754	1.38E-20
peak_1140	chr14	32778846	32779465	-46568	Intergenic	NM_212598	rbmx	-0.360322949	7.084327659	-7.444650608	1.90E-21
peak_1549	chr14	8531965	8532522	-32766	Intergenic	NM_001002333	stx5a	-0.360322949	7.100332247	-7.460655196	1.88E-19
peak_1396	chr20	29751412	29751867	-18173	intron (NM_001278602, intron 5 of 12)	NM_199982	kidins220b	-0.360322949	7.109604197	-7.469927146	3.63E-20
peak_1231	chr10	22783541	22784005	-77519	Intergenic	NM_001111177	zgc:172339	-0.360322949	7.110533272	-7.470856222	6.49E-21
peak_1153	chr15	28411937	28412573	38173	intron (NM_001077721, intron 10 of 11)	NM_001077721	si:ch211-137a8.2	-0.360322949	7.11569521	-7.476018159	2.23E-21
peak_242	chr3	25836207	25837017	78081	intron (NM_130998, intron 4 of 5)	NM_130998	ntn1b	1.812734601	9.291752555	-7.479017954	1.02E-31
peak_1249	chr10	33885303	33885807	-40147	Intergenic	NM_001045333	kctd7	-0.360322949	7.120766236	-7.481089185	8.07E-21
peak_2633	chr5	30122640	30123352	-22124	intron (NM_001143901, intron 13 of 14)	NR_040607		-0.360322949	7.13046182	-7.490784769	3.09E-16
peak_1666	chr5	25865439	25865961	4679	Intergenic	NM_130908	sox19a	-0.360322949	7.144604597	-7.504927546	4.69E-19
peak_1599	chr10	26267958	26268363	65699	Intergenic	NM_131294	sod1	-0.360322949	7.153525575	-7.513848524	2.53E-19
peak_1117	chr21	43187960	43188488	-18702	Intergenic	NM_131826	spry4	-0.360322949	7.160844881	-7.52116783	1.46E-21
peak_450	chr16	6273430	6274509	-43316	intron (NM_001080653, intron 8 of 10)	NM_200320	cog6	1.618352549	9.141394553	-7.523042004	2.77E-27
peak_2814	chr12	27041786	27042303	81671	Intergenic	NM_001007313	ppm1bb	-0.360322949	7.195803757	-7.556126706	8.22E-16
peak_642	chr2	26505703	26506363	53885	intron (NM_131022, intron 1 of 3)	NM_131022	efna2	0.653720264	8.209859237	-7.556138973	3.96E-25
peak_1218	chr2	44347218	44347718	-3068	Intergenic	NM_194361	mpz	0.234016866	7.794672441	-7.560655575	5.36E-21
peak_2091	chr22	16683720	16684302	-18886	Intergenic	NM_201002	plekhb2	-0.360322949	7.205570647	-7.565893596	1.13E-17
peak_2361	chr9	3295169	3296000	16641	intron (NM_001004572, intron 6 of 10)	NM_001004572	hat1	-0.360322949	7.206220361	-7.566543311	6.66E-17
peak_849	chr2	33082879	33083404	-17488	Intergenic	NM_001030073	slc6a9	-0.360322949	7.21384558	-7.574168529	2.51E-23
peak_2486	chr9	33794566	33795241	-8080	Intergenic	NM_178100	olig2	-0.360322949	7.231089202	-7.591412151	1.39E-16
peak_830	chr24	18971626	18972296	23787	intron (NM_001006074, intron 8 of 8)	NM_001002499	sec61g	-0.360322949	7.24957268	-7.60989563	1.89E-23
peak_4507	chr15	29247148	29247819	97421	Intergenic	NR_030070		-0.360322949	7.250996779	-7.611319729	5.50E-13
peak_612	chr7	36215208	36215799	-34006	Intergenic	NM_199272	esrp2	0.625495796	8.255274975	-7.629779179	1.90E-25
peak_980	chr10	13474147	13474679	-113930	intron (NM_001098242, intron 6 of 8)	NM_001099446	LOC556326	-0.360322949	7.293345298	-7.653668247	1.74E-22
peak_932	chr15	2313513	2314088	-97243	intron (NM_212947, intron 5 of 10)	NM_001105110	hephl1	-0.360322949	7.320115934	-7.680438883	7.91E-23
peak_1744	chr2	47613135	47613644	32291	intron (NM_131277, intron 4 of 7)	NM_131277	pax3a	-0.360322949	7.329845965	-7.690168914	8.38E-19
peak_781	chr15	18793549	18794054	-6299	Intergenic	NM_212634	alcamb	-0.360322949	7.333015573	-7.693338522	8.06E-24
peak_748	chr11	25848798	25849331	8036	intron (NM_200936, intron 1 of 20)	NM_200936	sulf2a	-0.360322949	7.342756427	-7.703079377	4.21E-24
peak_1806	chr24	6315651	6316284	27745	intron (NM_205579, intron 5 of 38)	NM_205579	myo3a	-0.360322949	7.350821471	-7.71114442	1.36E-18
peak_4899	chr5	40379982	40380586	27540	Intergenic	NM_001126413	cxc64	-0.360322949	7.35284485	-7.713167799	1.71E-12
peak_629	chr18	20059545	20060973	52741	Intergenic	NM_131012	gro2	0.978440673	8.7008938	-7.722453127	2.65E-25
peak_756	chr13	26337894	26338589	261144	Intergenic	NM_001040391	bcl11aa	-0.360322949	7.37280449	-7.733127439	4.67E-24
peak_888	chr23	25884331	25884798	-111580	Intergenic	NM_001003541	rbms2b	-0.360322949	7.372962069	-7.733285018	4.29E-23
peak_1847	chr4	16577821	16578462	-14373	Intergenic	NM_001045096	recql	-0.360322949	7.379697726	-7.740020675	1.81E-18
peak_987	chr6	31316436	31317005	256479	Intergenic	NM_131073	jak1	-0.360322949	7.386107001	-7.74642995	1.87E-22
peak_1324	chr4	4709323	4709999	32380	Intergenic	NM_001089551	slc13a4	-0.360322949	7.40015818	-7.760481129	1.62E-20
peak_890	chr14	32926974	32927498	35085	Intergenic	NM_001001837	zic6	-0.360322949	7.401957228	-7.762280177	4.44E-23
peak_1561	chr21	37644338	37644933	33393	intron (NM_200427, intron 1 of 1)	NM_200427	siah2l	-0.360322949	7.402070961	-7.76239391	2.03E-19
peak_1234	chr5	46600369	46601028	-18481	intron (NM_205628, intron 4 of 4)	NM_001005779	dmrt3a	-0.360322949	7.403698099	-7.764021048	6.85E-21
peak_1325	chr17	29022934	29023485	-152499	Intergenic	NM_001003822	g2e3	-0.360322949	7.40844024	-7.768763189	1.63E-20
peak_1916	chr5	21181721	21182267	1498	intron (NM_131099, intron 2 of 9)	NM_131099	foxn4	-0.360322949	7.410393806	-7.770716755	3.35E-18
peak_709	chr22	17154205	17154767	64961	intron (NM_001079962, intron 2 of 10)	NM_001079962	nfia	-0.360322949	7.460601266	-7.820924215	2.06E-24
peak_1155	chr14	32981196	32982353	89623	Intergenic	NM_001001837	zic6	-0.360322949	7.476808392	-7.837131341	2.26E-21
peak_1258	chr23	27380531	27381304	12586	intron (NM_001214908, intron 2 of 2)	NM_001214908	wu:fc13c02	-0.360322949	7.483770987	-7.844093936	8.69E-21
peak_2223	chr6	28886709	28887302	-13305	Intergenic	NM_212650	si:dkey-98p3.1	-0.360322949	7.505349137	-7.865672086	2.53E-17
peak_953	chr7	54536536	54537469	-40310	Intergenic	NM_131025	ccnd1	-0.360322949	7.559016183	-7.919339132	1.04E-22
peak_382	chr4	16218772	16219743	-93932	Intergenic	NM_001099454	casc1	0.639677051	8.561308705	-7.921631654	2.49E-28
peak_1307	chr13	33974077	33975107	46287	intron (NM_200549, intron 3 of 19)	NM_200549	macrod2	-0.360322949	7.565997814	-7.926320763	1.41E-20
peak_630	chr7	47916809	47918093	287858	Intergenic	NM_130995	ccne1	-0.360322949	7.570682412	-7.931005361	2.72E-25
peak_997	chr9	13654318	13655161	-23470	Intergenic	NM_131139	fzd7a	-0.360322949	7.578397417	-7.938720366	2.20E-22
peak_647	chr3	24419189	24419992	32392	Intergenic	NR_030095		-0.360322949	7.582150159	-7.942473108	4.50E-25
peak_1240	chr8	22297657	22298861	376888	Intergenic	NM_001040382	si:dkey-24f17.5	-0.360322949	7.597943841	-7.95826679	7.51E-21
peak_473	chr22	10907641	10909222	16324	Intergenic	NM_001001402	enc1	1.66069094	9.62236191	-7.96167097	6.52E-27
peak_1882	chr18	23604926	23606024	53590	Intergenic	NM_131183	nr2f2	-0.360322949	7.611492911	-7.97181586	2.36E-18
peak_631	chr23	27383375	27384015	9808	intron (NM_001214908, intron 2 of 2)	NM_001214908	wu:fc13c02	-0.360322949	7.628406433	-7.988729382	2.74E-25

peak_616	chr17	53903726	53904532	5198	TTS (NM_001045465)	NM_001045465	exd1	-0.360322949	7.642627047	-8.002949996	2.07E-25
peak_878	chr16	33543380	33544036	-50820	Intergenic	NM_001014347	scrt1b	-0.360322949	7.660659863	-8.020982812	3.64E-23
peak_717	chr13	26213408	26214159	136686	Intergenic	NM_001040391	bcl11aa	-0.360322949	7.667093536	-8.027416485	2.37E-24
peak_1005	chr10	18359906	18360394	393368	Intergenic	NM_001002632	prkab1a	-0.360322949	7.667417228	-8.027740177	2.91E-22
peak_965	chr13	29363246	29363879	11549	intron (NM_001111149, intron 1 of 16)	NM_001111149	unc5b	-0.360322949	7.669518374	-8.029841323	1.24E-22
peak_6953	chr4	16498200	16499213	13393	Intergenic	NM_131219	ascl1a	-0.360322949	7.674975928	-8.035298877	1.56E-10
peak_739	chr1	47053543	47054057	-42177	Intergenic	NM_001007327	cab39l	-0.360322949	7.743418574	-8.103741523	3.78E-24
peak_1212	chr7	54563438	54563987	-13600	Intergenic	NM_131025	ccnd1	-0.360322949	7.744341024	-8.104663973	4.68E-21
peak_1796	chr11	24653717	24654264	-79002	Intergenic	NM_001145767	nfasca	-0.360322949	7.77336417	-8.133687119	1.21E-18
peak_1937	chr19	33080702	33081285	-33320	Intergenic	NM_212561	hey1	-0.360322949	7.785070905	-8.145393854	4.08E-18
peak_900	chr16	14143207	14143716	-73632	Intergenic	NM_001001849	trpv6	-0.360322949	7.78664688	-8.146969829	5.19E-23
peak_516	chr1	47761737	47762195	86330	Intergenic	NM_001003579	morc3b	-0.360322949	7.830994023	-8.191316973	2.07E-26
peak_1533	chr9	29167061	29167779	29243	Intergenic	NM_201499	idh1	-0.360322949	7.846193836	-8.206516785	1.56E-19
peak_656	chr16	31796634	31797539	-9425	Intergenic	NM_152984	onecutl	-0.360322949	7.86658855	-8.226911499	5.47E-25
peak_457	chr7	40564466	40565482	6412	intron (NM_131070, intron 1 of 4)	NM_131070	mdka	-0.360322949	7.876463538	-8.236786487	3.92E-27
peak_948	chr15	4315772	4316595	-35402	intron (NM_198208, intron 7 of 13)	NM_131670	atp1b3b	-0.360322949	7.877815538	-8.238138487	9.83E-23
peak_533	chr12	33379687	33380537	-20253	Intergenic	NM_001110373	habp2	-0.360322949	7.931909438	-8.292232387	3.23E-26
peak_602	chr5	31408567	31409465	10235	intron (NM_001144790, intron 2 of 6)	NM_001144790	si:ch211-215c18.	-0.360322949	8.001584351	-8.361907301	1.39E-25
peak_883	chr17	45948516	45949258	-26782	Intergenic	NR_029933		-0.360322949	8.033845889	-8.394168838	3.86E-23
peak_567	chr20	21279870	21280478	-61016	Intergenic	NM_001044888	nudt14	0.234016866	8.673572657	-8.439555791	6.26E-26
peak_23833	chr3	45806535	45809938	7999	TTS (NM_001128723)	NM_212996	h3f3a	-0.360322949	8.079632416	-8.439955365	0.00024
peak_454	chr18	16298794	16299672	-75761	Intergenic	NM_001013443	eif4g2b	-0.360322949	8.115152088	-8.475475038	3.35E-27
peak_551	chr19	19094092	19094878	28409	intron (NM_001003646, intron 4 of 7)	NM_001003646	hibadha	-0.360322949	8.121401218	-8.481724167	5.02E-26
peak_800	chr8	10632962	10633466	220517	Intergenic	NM_001126470	kcnd1	-0.360322949	8.137412997	-8.497735946	1.15E-23
peak_538	chr13	17343752	17344661	169129	intron (NM_001020701, intron 2 of 6)	NM_001020701	c10orf11	-0.360322949	8.17172934	-8.532052289	3.49E-26
peak_420	chr9	3197679	3198580	29520	intron (NM_001076667, intron 4 of 10)	NM_001076667	dync1i2a	-0.360322949	8.176134662	-8.536457611	9.37E-28
peak_701	chr2	33069557	33070759	25746	Intergenic	NM_131723	klf17	-0.360322949	8.23403632	-8.594359269	1.66E-24
peak_959	chr9	29248728	29249417	-17006	Intergenic	NM_131134	fzd5	-0.360322949	8.23443852	-8.594761469	1.11E-22
peak_395	chr18	26496702	26497316	219022	Intergenic	NM_001007395	def8	-0.360322949	8.237856012	-8.598178961	4.04E-28
peak_1204	chr20	32490620	32491685	-5875	Intergenic	NM_001003608	nr2e1	-0.360322949	8.565829395	-8.926152344	4.39E-21
peak_228	chr16	31275143	31276549	22382	Intergenic	NM_001199720	LOC555692	-0.360322949	8.65520706	-9.015530009	2.82E-32

Table S3. Catalogue numbers of TaqMan® assays used in this work.

Gene name	TaqMan® assay catalogue number
cops2	Dr03114763_m1
dld	Dr03111908_m1
dll4	Dr03428646_m1
eef1a1l1	Dr03432748_m1
gata2a	Dr03086718_m1
gata2b	Dr03140570_m1
kdrl	Dr03432897_m1
lsm12b	Dr03139893_m1
rpl13a	Dr03101115_g1
rplp0	Dr03131546_m1
runx1	Dr03074179_m1

All TaqMan® assays were obtained from ThermoFisher Scientific.

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