

Top promoter[SNPs in top promoter]	Linkage	Corrected coexpression score	FDR
p1@TRIM40 [rs9261467]		0.67	0.0
	rs9261467:rs9295829 D'=0.84; r ² =0.6. p3@ZNRD1-AS1 [rs9295829]	0.33	0.05
	rs9261467:rs9295829 D'=0.84; r ² =0.6. p2@ZNRD1 [rs9295829]	0.16	0.45
p4@RNF186 [rs12064796]		0.61	0.0
p2@HLA-DQA1 [rs9272426]		0.6	0.0
p11@C1orf106 [rs7554511]		0.56	0.0
	same SNP, different promoter: p@chr1:200877847..200877851,+ [rs7554511]	0.19	0.37
	rs7554511:rs296533 D'=0.73; r ² =0.4. enhancer@chr1:200865457-200866265 [rs296533]	0.08	0.73
p1@LOC100133445, p1@LOC115110 [rs1886730]		0.54	0.0
p3@HLA-DQA1 [rs3135391]		0.51	0.0
	rs3135391:rs2050188 D'=1.0; r ² =0.47. p2@C6orf10 [rs2050188]	0.28	0.15
p@chr20:62366043..62366057,+ [rs2427533]		0.48	0.0
p@chr11:6461452..6461464,- [rs10839564]		0.46	0.0
p2@LSP1 [rs907611]		0.45	0.0
p2@FAM55A [rs661946]		0.44	0.0
p3@X07061, p3@X07062 [rs1058026]		0.4	0.01
p2@NKX2-3 [rs10883371, rs10883373]		0.4	0.01
p@chr1:206943938..206943954,- [rs3024493]		0.39	0.01
p27@CFB [rs1048709]		0.37	0.02
p13@TMBIM1 [rs2382817]		0.36	0.03
p@chr17:38029166..38029196,+ [rs12936231]		0.36	0.03
p5@CCNY [rs12242110]		0.36	0.03
p4@PMPCA [rs3812584]		0.36	0.03
	same SNP, different promoter: p3@PMPCA [rs3812584]	0.29	0.13
enhancer@chr1:151792678-151793001 [rs949969]		0.34	0.04
p7@CREM [rs4934730]		0.34	0.04
p4@CXCR2 [rs4674258]		0.33	0.05
p28@TNIP1 [rs2233287]		0.31	0.09
p4@MZB1 [rs9327847]		0.3	0.11
p@chr1:8022209..8022235,- [rs3766606]		0.3	0.11
p@chr6:31464084..31464111,- [rs6916394]		0.29	0.12
	rs6916394:rs3828912 D'=1.0; r ² =1.0. p@chr6:31465753..31465756,- [rs3828912, rs3828914];rs6916394:rs3828914 D'=1.0; r ² =1.0. p@chr6:31465753..31465756,- [rs3828912, rs3828914]	0.04	0.89
p@chr5:498417..498421,- [rs12521198]		0.29	0.12
enhancer@chr14:98513457-98513851 [rs8008845]		0.27	0.16
enhancer@chr2:61095090-61095322 [rs842639]		0.27	0.17
p1@SLC26A3 [rs2301988, rs2301989]		0.26	0.19
p15@GAL3ST1 [rs7286285]		0.25	0.21
enhancer@chr18:4003748-4003994 [rs16945853]		0.25	0.21
enhancer@chr3:49389809-49389972 [rs17080528]		0.23	0.27
	rs17080528:rs11716445 D'=1.0; r ² =0.3. p@chr3:49405916..49405955,- [rs11716445]	0.05	0.83
enhancer@chr5:601191-601577 [rs3749615]		0.23	0.27
	rs3749615:rs7434 D'=1.0; r ² =1.0. p@chr5:660645..660655,- [rs7434]	0.14	0.5
enhancer@chr2:61204524-61204872 [rs7608910]		0.23	0.27
p@chr6:32186154..32186158,- [rs436388]		0.23	0.27
	rs436388:rs176095 D'=1.0; r ² =0.21. p@chr6:32158228..32158249,+ [rs176095] rs436388:rs3134947 D'=0.92; r ² =0.18. p2@AGPAT1 [rs3134947]	0.19	0.37
		0.03	0.91
p1@GNA12 [rs1636249]		0.23	0.27
enhancer@chr5:40410103-40410947 [rs6451493, rs11742570]		0.21	0.32
p@chr3:49139102..49139119,- [rs35673421]		0.21	0.32
chr2:28203328..28203338,+ [rs898031]		0.21	0.32
p1@ENST00000448198, p1@ENST00000455328 [rs3916765]		0.21	0.32
p@chr8:135520294..135520308,- [rs16905158]		0.21	0.32
enhancer@chr6:42081758-42081907 [rs9462770]		0.2	0.33
p1@RBM5 [rs2247510]		0.19	0.37
p11@PNMT [rs876493]		0.19	0.37
p2@TNFRSF6B [rs2297441]		0.19	0.37
enhancer@chr13:37723502-37723846 [rs17054986]		0.19	0.37
p@chr3:49591052..49591057,+ [rs3811697]		0.18	0.39
p@chr6:29635769..29635797,+ [rs1318631]		0.18	0.4
p9@MMP23B [rs28456011]		0.16	0.45
chr3:49941317..49941322,- [rs2280406]		0.16	0.45
	rs2280406:rs6772095 D'=1.0; r ² =0.87. p7@RBM6 [rs6772095]	0.1	0.69
enhancer@chr21:40466283-40466718 [rs2836882]		0.15	0.47
p@chr4:148535454..148535476,- [rs931779]		0.15	0.49
p@chr1:110364218..110364229,+ [rs2938616]		0.13	0.56
p@chr5:149627361..149627384,- [rs7711562]		0.12	0.61
p@chr12:7032510..7032525,+ [rs10849541]		0.11	0.63
enhancer@chr1:36715455-36715834 [rs11263868]		0.1	0.68
enhancer@chr5:158826036-158826401 [rs918519]		0.1	0.68
p4@PRKAR1B [rs4074132]		0.1	0.68
p1@ENST00000431069 [rs3780373]		0.09	0.73
enhancer@chr6:30716597-30717062 [rs12210092]		0.08	0.73
enhancer@chr3:138565329-138565569 [rs11716652]		0.08	0.73
chr2:127816629..127816649,+ [rs17014835]		0.07	0.79
p1@MLH3 [rs175083]		0.06	0.79
p12@LAMB1 [rs2158836]		0.06	0.79
enhancer@chr17:25691108-25691369 [rs322207]		0.06	0.82
enhancer@chr7:22711367-22711465 [rs17147141]		0.04	0.89
p1@ZFP90 [rs1170445, rs1170444]		0.03	0.9
enhancer@chr12:8147722-8148111 [rs10161016]		0.03	0.9
p1@SLC38A3 [rs1858828]		0.01	0.97
p@chr13:77463947..77463954,- [rs17066875]		0.0	1.0

Cell type	RRA p	FDR
small intestine adult pool1	9.7e-07	0
liver adult pool1	5e-06	0
macLPS 04hr	0.00011	0
colon adult pool1	0.00019	0
appendix adult	0.00026	0
rectum fetal	0.00053	0
duodenum fetal donor1 tech	3.3e-05	0.0073
macLPS 05hr	9.8e-05	0.0073
small intestine fetal	0.0075	0.012
macLPS 22hr	0.026	0.012
macLPS 12hr	0.013	0.015
spleen adult pool1	0.041	0.015
macLPS 18hr	0.019	0.018
colon fetal	0.012	0.033
macLPS 10hr	0.006	0.035
macLPS 03hr30min	0.0022	0.036
macLPS 24hr	0.035	0.036
macLPS 20hr	0.036	0.036