Table 1 – miR-181 targets identification in RGC *Xenopus laevis* isolated axons

Table 1: Predicted miR-181-5p targets, detectable within the axonal transcriptome, ranked by TotalScore. The final candidate selection is based on the 20% best ranked candidates which were conserved as targets in human and mice, filtered by the Reactome axon guidance pathway (R-HSA-422475) and the Reactome integrin cell surface interactions pathway (R-HSA-216083).

Column header	Comment
TCS	Total Context Score from miR-181a-5p targets predicted using TargetScan 6
8mer-1a 7mer-m8 7mer-1a	Type of miR-181-5p MRE (miRNA responsive element)
TS.a-5p	Total sites of miR-181a-5p MREs in *Xenopus*
TS.a-1-3p	Total sites of miR-181a-1-3p MREs in *Xenopus*
TS.a-2-3p	Total sites of miR-181a-2-3p MREs in *Xenopus*
TS.miR	Total sites of miR-181a MREs in *Xenopus*
TS.3p	Total sites of miR-181a-3p MREs in *Xenopus*
h-TS-miR	Human total number of miR-181 MREs
h-TS-5p	Human total number of miR-181-5p MREs
h-TS-3p	Human total number of miR-181-3p MREs
tc-h-ID	miR-181 TargetScan**t**argeting **c**onserved in **h**uman based on entrez**ID** > yes or no
tc-h-Gn	miR-181 TargetScan**t**argeting **c**onserved in **h**uman based on **g**ene **n**ame > yes or no
m-TS-miR	Mice total number of miR-181 MREs
m-TS-5p	Mice total number of miR-181-5p MREs
m-TS-3p	Mice total number of miR-181-3p MREs
tc-m-ID	miR-181 TargetScan**t**argeting **c**onserved in **m**ice based on entrez**ID** > yes or no
tc-m-Gn	miR-181 TargetScan**t**argeting **c**onserved in **m**ice based on **g**ene **n**ame > yes or no
Integrin_Reactome	Transcripts reported in the Reactome integrin cell surface interactions pathway (R-HSA-216083) >yes (if it is reported in the selected Reactome pathway)
Axon-guidance_Reactome	Transcripts reported in the Reactome axon guidance pathway (R-HSA-422475) >yes (if it is reported in the selected Reactome pathway)

Axonal predicted transcripts targeted by miR-181-5p also in human or mouse, within the top 20% candidates ranked by TotalScore. Highlighted rows indicate the three candidates experimentally followed up

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18018240m.g	atp8b4.L	-0.558	1	3	0	4			4			79895	241633	1		1	yes	yes	3	2	1	yes	yes	2.0919425	2769		
Xelaev18016455m.g	rnf169.S	-0.541	3	0	0	3			3		108710062	254225	108937	4	4		yes	yes	3	2	1	yes	yes	3.3120635	3771		
Xelaev18046188m.g	sall4.S	-0.538	3	0	0	3			3		100337553	57167	99377	5	3	2	yes	yes	2	2		yes	yes	3.6158368	1177		
Xelaev18009670m.g	b4galt1.1.S	-0.5	0	4	0	4			4		108706812	2683	14595	4	2	2	yes	no	1	1		yes	no	6.6865762	2612		
Xelaev18033096m.g	colq.S	-0.5	2	0	0	2		1	3	1		8292	382864	1	1		no	yes	8	3	5	yes	yes	3.1622867	2121		
Xelaev18025677m.g	ccdc134.S	-0.493	2	1	0	3			3		108715781	79879	76457	2		2	yes	yes	1	1		yes	yes	1.3332938	3152		
Xelaev18018501m.g	plpbp.L	-0.487	0	3	0	3			3		100037173	11212	114863	2		2	yes	no	1	1		yes	no	10.701074	574		
Xelaev18021116m.g	twf1.S	-0.479	2	2	0	4			4		447307	5756	19230	3	1	2	yes	yes	2		2	yes	yes	8.9191532	3950		
Xelaev18022032m.g	fads2.L	-0.464	1	1	0	2			2		446688	9415	56473				no	no	1	1		yes	yes	3.0251381	1954		
Xelaev18028107m.g	ldah.L	-0.454	1	1	0	2			2			60526	68832	4	1	3	yes	no				no	no	1.0785094	2740		
Xelaev18027427m.g	ece2.L	-0.438	1	2	1	4	2		6	2	108716945	9718	107522				no	no	1	1		no	yes	2.2273771	3967		
Xelaev18017544m.g	frs2.L	-0.428	1	1	0	2			2		380490	10818	327826	3	2	1	yes	yes	1	1		yes	yes	9.0188002	1379		yes
Xelaev18016959m.g	txndc15.L	-0.425	2	0	0	2			2		779219	79770	69672	2	2		yes	yes				no	no	5.8648021	1307		
Xelaev18010354m.g	lif.S	-0.421	2	0	0	2			2			3976	16878	3	1	2	yes	yes	1	1		yes	yes	1.8376063	1221		
Xelaev18013283m.g	med4.L	-0.415	0	3	0	3			3		108708534	29079	67381	2	1	1	yes	yes				no	no	2.0946741	1264		
Xelaev18018478m.g	fam96a.L	-0.406	2	0	2	4	1	1	6	2	496282	84191	68250	3	2	1	yes	yes				no	no	1.12287	8360		
Xelaev18017340m.g	brd8.L	-0.405	1	1	0	2			2		108710994	10902	78656	1		1	yes	yes	2	1	1	yes	yes	10.186412	1358		
Xelaev18008037m.g	pam.L	-0.398	1	1	0	2			2		379207	5066	18484	2	2		yes	yes	2	1	1	yes	yes	3.221392	822		
Xelaev18024564m.g	tead1.S	-0.397	2	0	1	3			3		100126656	7003	21676	4	2	2	no	yes	2	1	1	no	yes	39.612962	1036		
Xelaev18018079m.g	znf609.L	-0.394	1	1	0	2			2			23060		3	1	2	yes	yes				no	no	10.105079	5423		
Xelaev18033977m.g	deptor.S	-0.394	1	2	0	3			3			64798	97998	3	3		yes	yes	2	2		yes	yes	2.603834	1602		
Xelaev18019763m.g	bicd1.S	-0.39	2	0	1	3			3			636	12121	1		1	yes	yes	1	1		yes	yes	5.587136	2146		
Xelaev18031818m.g	seh1l.L	-0.388	1	1	0	2			2		734650	81929	72124				no	no	2	2		yes	yes	5.5772546	3624		
Xelaev18026219m.g	prox1.L	-0.383	2	0	0	2	1	2	5	3	399348	5629	19130	4	4		yes	yes	5	4	1	yes	yes	4.2165712	8721		
Xelaev18017227m.g	sh3tc2.L	-0.381	1	1	0	2			2		108710943	79628	225608	13	8	5	yes	yes	1	1		yes	yes	3.1680331	1245		
Xelaev18032331m.g	deptor.L	-0.38	1	1	0	2			2			64798	97998	3	3		yes	yes	2	2		yes	yes	7.4292015	6140		
Xelaev18017459m.g	atp2b1.L	-0.379	1	1	0	2			2		446772	490	67972	4	3	1	yes	yes	4	2	2	yes	yes	16.313575	1407		
Xelaev18025044m.g	mcoln3.S	-0.377	1	1	0	2			2		444109	55283	171166	2	2		yes	yes				no	no	1.7519288	3409		
Xelaev18022952m.g	ankrd13c.L	-0.369	0	2	0	2			2		431897	81573	433667	6	3	3	yes	yes	5	2	3	yes	yes	6.2921862	2794		
Xelaev18002132m.g	tmem30a.L	-0.368	0	3	0	3			3		380548	55754	69981	3	1	2	yes	yes	2	1	1	yes	yes	12.972373	6025		
Xelaev18008971m.g	pi4k2b.S	-0.366	1	2	0	3			3			55300	67073	1	1		yes	yes	1	1		yes	yes	1.5617898	1965		
Xelaev18015092m.g	gmeb1.S	-0.365	1	0	0	1			1		432199	10691	56809	1	1		yes	yes	1		1	yes	yes	5.3817752	325		
Xelaev18034554m.g	abraxas2.L	-0.363	1	0	1	2			2		447750	23172	109359	3	1	2	yes	no	1	1		yes	no	5.0024299	4762		
Xelaev18033190m.g	dnajc13.S	-0.361	1	0	0	1			1		733226	23317	235567	2	1	1	yes	yes	1	1		yes	yes	3.9667752	876		
Xelaev18040998m.g	imp4.S	-0.36	1	0	0	1			1		414695	92856	27993	1	1		yes	yes				no	no	5.6157293	562		
Xelaev18009353m.g	ap1ar.S	-0.358	1	1	0	2			2		100036917	55435	211556	1	1		yes	yes	3	1	2	yes	yes	2.2274869	1819		
Xelaev18015042m.g	pdik1l.S	-0.353	1	1	0	2			2		414486	149420	230809	4	2	2	yes	yes	4	2	2	yes	yes	3.0525891	1532		
Xelaev18033014m.g	sostdc1.S	-0.351	0	2	0	2			2		386733	25928	66042	2		2	yes	yes	2	1	1	yes	yes	4.2529699	1469		
Xelaev18033014m.g	sostdc1.S	-0.351	0	2	0	2			2		398708	25928	66042	2		2	yes	yes	2	1	1	yes	yes	4.2529699	1469		
Xelaev18044632m.g	fign.L	-0.351	2	2	0	4	1	1	6	2	108701347	55137	60344	8	6	2	yes	yes	6	4	2	yes	yes	1.0445984	4743		
Xelaev18026306m.g	coq8a.L	-0.349	1	0	0	1			1		495397	56997	67426	2	2		yes	no	1	1		yes	no	14.309908	811		
Xelaev18022595m.g	tubb3.L	-0.349	1	1	0	2			2		495319	10381	22152				no	no	2	1	1	yes	yes	3.1025396	1257		yes
Xelaev18027820m.g	sept2.L	-0.348	1	0	0	1			1		398203	4735	18000	2	1	1	yes	yes	1		1	no	yes	33.319236	1348		
Xelaev18003211m.g	akirin1.S	-0.347	0	2	0	2			2		734292	79647	68050	3	1	2	yes	yes	1	1		yes	yes	12.003807	3640		
Xelaev18016299m.g	fdx1.S	-0.346	1	2	0	3			3		108709997	2230	14148	1	1		yes	yes				no	no	6.1629751	2068		
Xelaev18006830m.g	ak3.L	-0.344	1	0	1	2			2		734496	50808	56248	2	1	1	yes	yes	1		1	yes	yes	4.5203967	4960		
Xelaev18029747m.g	schip1.S	-0.344	1	1	0	2			2		734392	29970	30953	1	1		yes	yes	1	1		yes	yes	1.554797	955		
Xelaev18000056m.g	stx3.L	-0.343	0	2	0	2			2		444751	6809	20908	3	2	1	no	yes				no	no	13.163648	1404		
Xelaev18030924m.g	sostdc1.L	-0.341	0	2	0	2			2		398708	25928	66042	2		2	yes	yes	2	1	1	yes	yes	2.7144428	1563		
Xelaev18030924m.g	sostdc1.L	-0.341	0	2	0	2			2		386733	25928	66042	2		2	yes	yes	2	1	1	yes	yes	2.7144428	1563		
Xelaev18033576m.g	seh1l.S	-0.34	1	0	1	2			2		444365	81929	72124				no	no	2	2		yes	yes	2.9448199	5222		
Xelaev18025221m.g	vwc2l.2.S	-0.338	1	2	0	3			3			402117	320460	1	1		yes	no				no	no	3.8829729	2270		
Xelaev18044914m.g	trak2.L	-0.337	2	0	0	2			2		108701439	66008	70827	2	1	1	yes	yes	2	1	1	yes	yes	7.9834401	2369		
Xelaev18027479m.g	lpp.L	-0.335	1	1	0	2		1	3	1	735087	4026	210126	11	5	6	no	yes	4	2	2	yes	yes	38.299379	4050		
Xelaev18011999m.g	sike1.L	-0.334	0	2	0	2			2		444171	80143	66641	3	1	2	yes	yes	2	2		yes	yes	5.6489217	982		
Xelaev18026190m.g	ubr2.L	-0.333	1	0	0	1			1		108716090	23304	224826	1	1		yes	yes				no	no	9.6408105	3219		
Xelaev18017742m.g	cbll1.L	-0.331	1	1	1	3			3		100101300	79872	104836	4	3	1	yes	yes	1	1		yes	yes	6.494104	1578		
Xelaev18021245m.g	atp2b1.S	-0.33	1	0	1	2		1	3	1		490	67972	4	3	1	yes	yes	4	2	2	yes	yes	3.3688802	1395		
Xelaev18036795m.g	ccdc6.S	-0.329	1	0	1	2			2		379300	8030	76551	3	2	1	yes	yes	6	4	2	yes	yes	7.3370001	2102		
Xelaev18024118m.g	suclg2.L	-0.328	1	1	0	2	1		3	1	734975	8801	20917	1	1		yes	yes	2	1	1	yes	yes	5.9231913	1818		
Xelaev18025091m.g	ankrd13c.S	-0.328	0	3	1	4			4		379178	81573	433667	6	3	3	yes	yes	5	2	3	yes	yes	5.4952644	3528		
Xelaev18047055m.g	mcm6.2.S	-0.327	1	0	0	1			1		380282	4175	17219	2	1	1	yes	no	1		1	yes	no	2.4681398	1620		
Xelaev18039453m.g	mlh3.L	-0.325	1	0	0	1			1		444223	27030	217716	3		3	yes	yes	1	1		yes	yes	2.163634	254		
Xelaev18014310m.g	itsn1.S	-0.324	1	0	1	2			2		108708868	6453	16443	2	2		yes	yes	2	2		yes	yes	12.265673	2974		yes
Xelaev18039914m.g	rab15.L	-0.323	1	0	1	2			2		108699201	376267	104886	2	1	1	no	yes				no	no	3.8774997	1998		
Xelaev18000762m.g	cnn2.S	-0.322	1	0	0	1			1			1265	12798	1		1	yes	yes	1	1		yes	yes	8.7407184	413		
Xelaev18018796m.g	znf180.L	-0.321	1	0	0	1			1			7733		1	1		yes	yes				no	no	1.5272408	1126		
Xelaev18023746m.g	prkcd.L	-0.32	1	1	0	2			2		404227	5580	18753	1	1		yes	yes	1	1		yes	yes	6.1800451	2114		
Xelaev18023746m.g	prkcd.L	-0.32	1	1	0	2			2		404226	5580	18753	1	1		yes	yes	1	1		yes	yes	6.1800451	2114		
Xelaev18006601m.g	trabd2a.L	-0.318	1	0	1	2			2			388630	666048	5	1	5	yes	yes	2	1	1	yes	no	2.5688182	797		
Xelaev18017622m.g	ifrd1.L	-0.317	1	0	0	1			1		494857	3475	15982	3	2	1	yes	yes	2	2		yes	yes	9.7963571	878		
Xelaev18029610m.g	lpp.S	-0.315	1	1	0	2			2			4026	210126	11	5	6	no	yes	4	2	2	yes	yes	19.565858	4770		
Xelaev18030684m.g	dnajb6.L	-0.314	1	0	0	1			1		734291	10049	23950				no	no	1	1		yes	yes	8.2113172	865		
Xelaev18014257m.g	crybg3.S	-0.314	1	0	1	2		1	3	1		131544	224273	1	1		yes	yes	3	3		yes	yes	2.6719057	5149		
Xelaev18002688m.g	zfp36l1.S	-0.312	1	0	1	2			2		399372	677	12192	2	2		yes	yes	2	2		yes	yes	114.32879	1591		
Xelaev18038444m.g	arpc5l.L	-0.312	1	0	0	1			1		446537	81873	74192				no	no	1	1		yes	yes	17.578834	753		
Xelaev18017598m.g	twf1.L	-0.312	2	0	0	2			2		108711121	5756	19230	3	1	2	yes	yes	2		2	yes	yes	4.7238381	4068		
Xelaev18025604m.g	kifap3.S	-0.311	0	2	1	3			3		108715746	22920	16579				no	no	1	1		yes	yes	4.4056633	1032		
Xelaev18013096m.g	kdelc1.L	-0.311	1	0	0	1	1	1	3	2	108708466	79070	72050				no	no	3	1	2	yes	yes	3.044871	1394		
Xelaev18019903m.g	polr3b.S	-0.311	1	0	0	1			1		108712586	55703	70428	2	1	1	yes	yes				no	no	2.7666023	1012		
Xelaev18023051m.g	med8.L	-0.311	2	0	0	2			2		496309	112950	80509	2	1	1	yes	yes	1	1		yes	yes	1.7845398	1392		
Xelaev18012943m.g	creg2.L	-0.31	1	0	0	1			1		108708402	200407	263764	5	2	3	yes	yes	3	2	1	yes	yes	4.6853694	1337		

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18034635m.g	neurl1.L	-0.31	0	2	0	2			2		373714	9148	18011				no	no	1	1		yes	no	2.9353388	4768		
Xelaev18044816m.g	asb1.L	-0.31	0	3	0	3			3		734789	51665	65247	6	1	5	yes	yes	4	1	3	yes	yes	1.5072351	1111		
Xelaev18017319m.g	unc5a.L	-0.308	1	0	0	1			1			90249	107448	1	1		no	yes	1	1		yes	yes	1.1172835	1145		yes
Xelaev18046115m.g	tlk2.S	-0.304	2	0	0	2			2			11011	24086	2	1	1	yes	yes	1		1	yes	yes	3.4736897	1812		
Xelaev18023353m.g	lrrc8c.L	-0.303	1	0	0	1			1		108714396	84230	100604	5	1	4	yes	yes	5	2	3	yes	yes	3.2321609	2254		
Xelaev18015724m.g	mzt1.S	-0.303	1	1	0	2			2		495466	440145	76789	3	1	2	yes	yes				no	no	2.8325077	1347		
Xelaev18016395m.g	emsy.S	-0.302	1	1	0	2			2		108710040	56946	233545	3	2	1	yes	no	2	1	1	yes	no	8.8578334	3411		
Xelaev18040146m.g	thbs1.L	-0.301	1	2	0	3			3			7057	21825	5	3	2	yes	yes	2		2	yes	yes	257.82862	1790	yes	
Xelaev18031131m.g	dnajc13.L	-0.301	1	0	0	1			1		108718962	23317	235567	2	1	1	yes	yes	1	1		yes	yes	7.5277025	1132		
Xelaev18016344m.g	rab38.S	-0.301	1	0	0	1			1		100381088	23682	72433	2	1	1	yes	yes	4	3	1	yes	yes	3.524939	430		
Xelaev18007525m.g	pitpnb.2.L	-0.3	1	0	0	1			1		446799	23760	56305	3	2	1	yes	no	1	1		yes	no	7.3865807	1788		
Xelaev18018335m.g	mesd.L	-0.3	1	0	0	1			1		734603	23184	67943	2		2	yes	no	7	1	6	yes	no	6.8411066	632		
Xelaev18007772m.g	atp6v0a2.L	-0.3	2	0	0	2			2			23545	21871	1		1	yes	yes	1	1		yes	yes	4.3935298	2759		
Xelaev18023851m.g	hemk1.L	-0.297	1	0	1	2			2		108714606	51409	69536	2	1	1	yes	yes				no	no	1.6961289	3110		
Xelaev18009360m.g	camk2d.S	-0.296	1	1	0	2			2		399160	817	108058	2	2		yes	yes	3	1	2	yes	yes	17.078263	1745		
Xelaev18005720m.g	manba.L	-0.295	1	0	0	1			1		447024	4126	110173	1		1	yes	yes	2	1	1	yes	yes	1.9140858	386		
Xelaev18010082m.g	kank1.S	-0.294	1	0	0	1			1			23189	107351	1	1		yes	yes	1	1		yes	yes	5.3222077	1480		
Xelaev18016842m.g	slc36a1.L	-0.293	1	0	1	2			2		431929	206358	215335	6	1	5	yes	yes	2	1	1	yes	yes	7.7506771	1191		
Xelaev18003721m.g	ctage5.L	-0.293	1	0	0	1			1		398644	4253	338320	2	2	1	yes	yes				no	no	4.9717507	519		
Xelaev18007709m.g	tango2.L	-0.292	1	3	1	5			5		399065	128989	27883	1	1		yes	yes	1	1		yes	yes	12.209963	5556		
Xelaev18007709m.g	tango2.L	-0.292	1	3	1	5			5			128989	27883	1	1		yes	yes	1	1		yes	yes	12.209963	5556		
Xelaev18039889m.g	dpf3.L	-0.292	1	0	0	1			1		735179	8110	70127	1		1	yes	yes	3	1	2	yes	yes	4.9721896	1439		
Xelaev18034809m.g	tm9sf3.L	-0.291	0	2	0	2			2		108696216	56889	107358	3	2	1	yes	yes	3	1	2	yes	yes	10.582946	2510		
Xelaev18028924m.g	rmdn2.S	-0.29	1	0	0	1			1		494707	151393	381110				no	no	4	3	1	yes	yes	3.271873	730		
Xelaev18028735m.g	zfp36l2.S	-0.289	2	1	0	3			3		380302	678	12193	5	3	2	yes	yes	3	3		yes	yes	59.668632	2423		
Xelaev18032306m.g	rad21.L	-0.288	2	0	0	2			2		399129	5885	19357	1	1		yes	yes	4	2	2	yes	yes	25.940736	4152		
Xelaev18030898m.g	umad1.L	-0.288	1	0	0	1			1		106557441	729852	100036521				no	no	3	1	2	yes	no	3.1513262	1716		
Xelaev18019908m.g	slc36a1.S	-0.288	1	0	1	2			2		108712589	206358	215335	6	1	5	yes	yes	2	1	1	yes	yes	2.6530791	2517		
Xelaev18044364m.g	tfcp2l1.L	-0.288	1	1	0	2			2		380069	29842	81879	7	1	6	yes	yes	3	1	2	yes	yes	1.7673267	2004		
Xelaev18003820m.g	ak3.S	-0.284	1	0	0	1			1		414511	50808	56248	2	1	1	yes	yes	1		1	yes	yes	2.2153884	681		
Xelaev18040411m.g	anp32e.L	-0.283	1	0	0	1			1		379979	81611	66471	1		1	yes	yes	3	1	2	yes	yes	47.944897	4935		
Xelaev18000182m.g	smco4.S	-0.283	1	0	0	1			1			56935	170748	2	1	1	yes	yes	2	1	1	yes	yes	6.2871285	440		
Xelaev18033431m.g	irf4.S	-0.283	2	0	0	2			2			3662	16364	6		6	yes	yes	4	1	3	yes	yes	2.2108992	2388		
Xelaev18029935m.g	pik3cb.S	-0.282	1	0	3	4			4		108718190	5291	74769	3	1	2	yes	yes	1		1	yes	yes	2.9717807	4778		yes
Xelaev18007805m.g	clip1.L	-0.281	1	1	0	2			2		494731	6249	56430	3	2	1	yes	yes	2	2		yes	yes	9.285636	2105		
Xelaev18008122m.g	rad17.L	-0.281	1	0	0	1			1		398572	5884	19356	2		2	yes	yes	1	1		yes	yes	7.6916189	433		
Xelaev18006851m.g	kank1.L	-0.281	1	0	0	1			1		446299	23189	107351	1	1		yes	yes	1	1		yes	yes	2.918387	1186		
Xelaev18024502m.g	pdhx.S	-0.28	1	0	0	1	1		2	1	108715255	8050	27402	2	2		yes	yes	1	1		yes	yes	5.2925675	943		
Xelaev18010096m.g	apba1.S	-0.28	1	0	0	1			1		108706966	320	319924	2	1	1	yes	yes	4	2	2	yes	yes	2.2493949	4692		
Xelaev18020628m.g	ap4e1.S	-0.28	1	1	0	2			2		108712917	23431	108011	3	1	2	yes	yes	1	1		yes	yes	2.0105151	2470		
Xelaev18034091m.g	cyc1.S	-0.279	1	0	0	1			1		734700	1537	66445				no	no	1	1		yes	yes	43.221739	793		
Xelaev18026815m.g	tmem181.L	-0.279	1	0	1	2			2		100037024	57583	77106	5	2	3	yes	yes	2	1	1	yes	no	12.56483	3009		
Xelaev18019859m.g	cecr2.S	-0.277	1	0	1	2			2			27443	330409	5	3	2	no	yes	6	3	3	yes	yes	2.9005017	909		
Xelaev18030713m.g	klf6.L	-0.275	1	1	0	2			2		379949	1316	23849	2	2		yes	yes	3	3		yes	yes	51.704575	3721		
Xelaev18042959m.g	chtop.S	-0.275	1	1	0	2			2		379302	26097	66511	1		1	yes	yes	1	1		yes	yes	19.08499	683		
Xelaev18031019m.g	plekha8.L	-0.275	1	0	0	1			1		108718910	84725	231999	5	2	3	yes	yes	3	1	2	yes	yes	2.5965387	4307		
Xelaev18041783m.g	l1cam.S	-0.275	1	0	0	1			1		373742	3897	16728	1	1		yes	yes	1	1		yes	yes	2.0738562	3479		yes
Xelaev18024997m.g	got2.S	-0.274	1	0	0	1			1		108715465	2806	14719	2	2		yes	yes				no	no	13.910168	663		
Xelaev18046995m.g	myo10.2.S	-0.274	1	0	0	1			1		445000	4651	17909	3	1	2	yes	no				no	no	8.2009463	1244		yes
Xelaev18020565m.g	map1a.S	-0.273	0	3	1	4	1		5	1	108712875	4130	17754	2	1	1	yes	yes	1	1		yes	yes	2.0983623	3899		
Xelaev18033420m.g	cdyl.S	-0.272	1	0	0	1			1		108720069	9425	12593	1	1		yes	yes	1	1		yes	yes	4.0197088	1243		
Xelaev18027810m.g	ing5.L	-0.272	1	2	0	3			3		495304	84289	66262	5	1	4	yes	yes	3	1	2	yes	yes	3.5285588	3488		
Xelaev18003217m.g	srsf10.S	-0.272	2	3	1	6	1		7	1	379343	10772	14105	3	1	2	yes	yes	1	1		yes	yes	2.8112012	2866		
Xelaev18028688m.g	angel2.S	-0.271	1	0	0	1			1		734598	90806	52477	1	1		yes	yes				no	no	5.1169712	1211		
Xelaev18018065m.g	scamp2.L	-0.27	1	0	0	1			1		447363	10066	24044	2	1	1	yes	yes	1	1		yes	yes	11.493832	1232		
Xelaev18021441m.g	tcerg1.S	-0.268	0	2	0	2			2			10915	56070	4	2	2	yes	yes	2	2		yes	yes	22.132102	641		
Xelaev18017338m.g	n4bp3.L	-0.268	1	1	0	2			2		108710992	23138	212706	4	2	2	yes	yes	4	2	2	no	yes	4.4474398	6378		
Xelaev18018477m.g	adamts7.L	-0.268	1	0	0	1			1		108711515	11173	108153				no	no	1	1		yes	yes	2.477822	2102		
Xelaev18011155m.g	aqp3.S	-0.268	1	0	0	1			1			360	11828				no	no	1	1		yes	yes	1.4349219	2549		
Xelaev18047244m.g	nckap1.S	-0.267	1	0	0	1			1		108703022	10787	50884	14	7	7	yes	yes	1		1	yes	yes	26.680427	1063		
Xelaev18001245m.g	ptbp3.S	-0.267	2	1	0	3			3		100380987	9991	230257	4	3	1	yes	yes	4	3	1	yes	yes	24.924701	2832		
Xelaev18001245m.g	ptbp3.S	-0.267	2	1	0	3			3			9991	230257	4	3	1	yes	yes	4	3	1	yes	yes	24.924701	2832		
Xelaev18036680m.g	prdx3.S	-0.267	1	0	0	1		1	2	1	444559	10935	11757	2	2		no	yes	1		1	yes	yes	9.1298636	230		
Xelaev18025067m.g	fubp1.S	-0.266	1	1	0	2		1	3	1	380333	8880	51886	5	1	4	yes	yes	2		2	yes	yes	21.196538	5152		
Xelaev18031114m.g	mturn.L	-0.266	1	0	1	2			2			222166	68235	6	3	3	yes	no	8	3	5	yes	yes	11.775502	7273		
Xelaev18031114m.g	mturn.L	-0.266	1	0	1	2			2		379313	222166	68235	6	3	3	yes	no	8	3	5	yes	yes	11.775502	7273		
Xelaev18024483m.g	arhgap1.S	-0.266	1	0	0	1			1		446344	392	228359	1		1	yes	yes	3	2	1	yes	yes	7.092483	821		
Xelaev18030242m.g	asxl2.S	-0.266	1	0	0	1			1		108717507	55252	75302	6	3	3	yes	yes	10	4	6	yes	yes	5.9711447	247		
Xelaev18046590m.g	tgif2.S	-0.266	0	2	0	2			2		447470	60436	228839	6	1	5	yes	yes	1	1		yes	yes	4.9246521	2604		
Xelaev18031809m.g	mmt.L	-0.266	1	1	0	2			2		398173	8731	67897	5	1	4	yes	yes	5	2	3	yes	yes	3.38338	2828		
Xelaev18010424m.g	tpst2.S	-0.265	1	0	1	2			2		108707091	8459	22022	4	1	3	yes	yes				no	no	7.946029	1563		
Xelaev18029473m.g	smap1.S	-0.265	1	0	0	1			1			60682	98366	1	1		yes	yes	1	1		yes	yes	4.611372	2664		
Xelaev18010997m.g	c7.S	-0.265	0	2	0	2			2		432189	730	109828	2	1	1	yes	yes	1	1		yes	yes	2.1658137	504		
Xelaev18029138m.g	sipa1l2.S	-0.264	1	0	0	1			1			57568	244668	2	2		yes	yes	1	1		yes	yes	1.4349705	574		
Xelaev18047806m.g	gid4.S	-0.263	1	0	0	1	1		2	1	108703240	79018	66771	6	2	4	yes	yes	3	1	2	yes	yes	5.0604515	2322		
Xelaev18007008m.g	gmpr2.L	-0.262	1	0	0	1			1			51292	105446				no	no	1	1		yes	yes	3.0932023	975		
Xelaev18027492m.g	ccdc50.L	-0.261	1	0	0	1			1		100049085	152137	67501	4		4	yes	yes	3	1	2	yes	yes	11.643819	2226		
Xelaev18012589m.g	rlf.L	-0.261	1	1	0	2			2		108708263	6018	109263	2	2		yes	yes	3	2	1	yes	yes	3.5519291	2438		
Xelaev18038801m.g	ammecr1.L	-0.26	1	0	0	1			1		444611	9949	56068	2		2	yes	yes	2	1	1	yes	yes	32.669771	3391		
Xelaev18022678m.g	emc8.L	-0.26	1	0	0	1			1		108714088	10328	18117				no	no	3	1	2	yes	yes	6.2861127	792		
Xelaev18047855m.g	rnf40.S	-0.26	1	0	0	1			1		398536	9810	233900	1		1	yes	yes	1	1		yes	yes	4.6690483	922		
Xelaev18029490m.g	dst.S	-0.259	1	0	1	2			2			667	13518	8	1	7	yes	yes				no	no	7.5252278	2969		
Xelaev18020609m.g	atp8b4.S	-0.259	1	2	1	4	1		5	1		79895	241633	1		1	yes	yes	3	2	1	yes	yes	2.7993633	4006		
Xelaev18041240m.g	sav1.S	-0.258	1	1	0	2			2		108699791	60485	64010	3	1	2	yes	yes				no	no	5.3124879	4772		

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18020162m.g	znf180.S	-0.258	1	0	0	1			1			7733		1	1		yes	yes				no	no	2.789071	374		
Xelaev18026211m.g	tatdn3.L	-0.258	1	0	0	1			1		779305	128387	68972	2	1	1	yes	yes				no	no	1.2779839	1802		
Xelaev18011329m.g	dusp27.L	-0.257	1	0	0	1			1		108707826	92235	240892	1		1	yes	yes	2	2		yes	yes	19.355086	909		
Xelaev18008096m.g	cox7c.L	-0.256	1	0	0	1			1		447187	1350	12867	2	1	1	yes	yes	3	1	2	yes	yes	93.521037	406		
Xelaev18032847m.g	larp4b.S	-0.256	1	0	0	1			1		108719833	23185	217980	2	1	1	yes	yes	2	1	1	yes	yes	8.273301	282		
Xelaev18013693m.g	frem2.L	-0.256	1	0	0	1			1		108708682	341640	242022	8	4	4	yes	yes	3		3	yes	yes	5.3032436	3417		
Xelaev18020419m.g	pias1.S	-0.256	0	3	0	3			3		108712799	8554	56469	3	1	2	yes	yes	1	1		yes	yes	4.8981977	3591		
Xelaev18017381m.g	igf1.L	-0.256	1	0	0	1			1		108711020	3479	16000	3	1	2	yes	yes	2	1	1	yes	yes	3.1199113	3215		
Xelaev18017381m.g	igf1.L	-0.256	1	0	0	1			1			3479	16000	3	1	2	yes	yes	2	1	1	yes	yes	3.1199113	3215		
Xelaev18038963m.g	cysltr1.L	-0.256	0	2	1	3	1		4	1	108698471	10800	58861	4	2	2	yes	yes	1	1		yes	yes	1.5249845	3261		
Xelaev18030118m.g	rhob.S	-0.255	0	1	1	2			2		734999	388	11852				no	no	3	2	1	yes	yes	123.4081	1590		yes
Xelaev18015495m.g	gcc2.S	-0.255	2	0	0	2			2		495217	9648	70297	1	1		yes	yes	1	1		yes	yes	8.4645856	3849		
Xelaev18040085m.g	nusap1.L	-0.255	1	0	0	1			1		779094	51203	108907	1		1	yes	yes	1	1		yes	yes	2.4795391	357		
Xelaev18015575m.g	shox.S	-0.255	1	0	0	1			1			6473		1	1		yes	yes				no	no	1.8576494	2331		
Xelaev18033404m.g	rbm22.S	-0.254	1	0	0	1			1		380469	55696	66810	4	1	3	yes	yes	1	1		yes	yes	23.332912	417		
Xelaev18011498m.g	paxbp1.L	-0.254	1	0	0	1			1		734557	94104	67367	2	2		yes	yes				no	no	4.6218523	2487		
Xelaev18028683m.g	prox1.S	-0.254	1	0	1	2			2		108717712	5629	19130	4	4		yes	yes	5	4	1	yes	yes	1.6218422	9313		
Xelaev18015556m.g	gabrb3.S	-0.254	1	1	0	2			2			2562	14402	2		2	yes	yes	1	1		yes	yes	1.1808816	5634		
Xelaev18033173m.g	mturn.S	-0.25	1	0	0	1			1		379313	222166	68235	6	3	3	yes	no	8	3	5	yes	yes	24.359289	2849		
Xelaev18033173m.g	mturn.S	-0.25	1	0	0	1			1			222166	68235	6	3	3	yes	no	8	3	5	yes	yes	24.359289	2849		
Xelaev18008839m.g	rmnd5a.S	-0.25	1	0	0	1			1		108706509	64795	68477	4	1	3	yes	yes	2	1	1	yes	yes	11.428579	3862		
Xelaev18003273m.g	chmd.L	-0.249	1	0	0	1			1		444847	1144	11447	1	1		yes	yes				no	no	53.32655	719		
Xelaev18001195m.g	myo9b.S	-0.249	2	0	0	2			2		108703713	4650	17925	1	1		yes	yes	5	3	2	yes	yes	11.523746	3608		yes
Xelaev18033975m.g	taf2.S	-0.249	1	0	0	1			1		446230	6873	319944	2	1	1	yes	yes	3	3		yes	yes	7.3889492	1165		
Xelaev18015415m.g	cblb.S	-0.249	1	0	0	1			1		431829	868	208650	2	1	1	yes	yes	3	2	1	yes	yes	3.396639	5577		
Xelaev18021302m.g	hsp90b1.S	-0.247	1	0	0	1			1		398753	7184	22027	3	2	1	yes	yes	1	1		yes	yes	29.763883	2019		
Xelaev18034899m.g	fam241b.L	-0.247	1	0	0	1			1		108696262	219738	69894				no	no	1	1		yes	no	2.181738	992		
Xelaev18046066m.g	adam11.S	-0.247	1	1	0	2			2		108702544	4185	11488	3	2	1	yes	yes	2	2		yes	yes	1.8088503	3091		
Xelaev18023910m.g	bhlhe40.L	-0.246	1	0	0	1			1		443665	8553	20893	2	2		yes	yes	1	1		yes	yes	39.515931	605		
Xelaev18012309m.g	pfkfb2.L	-0.246	0	1	0	1			1			5208	18640	1	1		yes	yes	3	1	2	yes	yes	11.136325	2945		
Xelaev18045164m.g	ercc4.L	-0.246	1	0	0	1			1		446411	2072	50505	1		1	yes	yes	1	1		yes	yes	4.5146216	2622		
Xelaev18020976m.g	kmt2e.S	-0.245	1	0	0	1			1		108713071	55904	69188	2	1	1	no	yes	2		2	yes	yes	16.687229	1156		
Xelaev18005030m.g	fgfr3.L	-0.244	1	1	2	4			4		779370	2261	14184	3	2	1	yes	yes	1	1		yes	yes	30.593358	3666		
Xelaev18025449m.g	nos1ap.S	-0.244	1	0	1	2			2		108715680	9722	70729	7	2	5	yes	yes	1	1		no	yes	5.8138156	3158		
Xelaev18013869m.g	smco4.L	-0.244	1	0	0	1			1		444179	56935	170748	2	1	1	yes	yes	2	1	1	yes	yes	4.372185	445		
Xelaev18015256m.g	rlf.S	-0.244	1	0	0	1			1		100049115	6018	109263	2	2		yes	yes	3	2	1	yes	yes	4.3578773	690		
Xelaev18042744m.g	hjv.S	-0.243	3	0	0	3			3		108700348	148738	69585	1	1		yes	no	2		2	yes	no	1.8067957	3007		yes
Xelaev18032101m.g	ncoa2.L	-0.242	1	0	0	1			1		100301960	10499	17978	2	1	1	yes	yes	2	1	1	yes	yes	7.2441342	1352		
Xelaev18005498m.g	lrba.L	-0.242	1	0	0	1			1			987	80877	2	1	1	no	yes	2	1	1	yes	yes	5.6601789	1170		
Xelaev18017858m.g	pfkfb3.L	-0.241	1	1	0	2			2			5209	170768				no	no	1	1		yes	yes	17.580978	1664		
Xelaev18022758m.g	uri1.L	-0.241	0	1	0	1			1		446566	8725	19777	1	1		yes	yes	1	1		yes	yes	11.857473	2289		
Xelaev18020772m.g	peak1.S	-0.241	2	0	0	2			2		108712983	79834	244895	6	3	3	yes	yes	7	3	4	yes	yes	8.3310316	1646		
Xelaev18017543m.g	slc35e3.L	-0.241	0	1	0	1			1			55508	215436	2		2	yes	yes	2	1	1	yes	yes	4.7730035	745		
Xelaev18017543m.g	slc35e3.L	-0.241	0	1	0	1			1			55508	215436	1		1	yes	yes	2	1	1	yes	yes	4.7730035	745		
Xelaev18033946m.g	emc2.S	-0.24	0	2	0	2			2		380446	9694	66736	2		2	yes	yes	2	1	1	yes	yes	46.438032	1020		
Xelaev18033788m.g	ncoa2.S	-0.24	1	0	0	1			1		394405	10499	17978	2	1	1	yes	yes	2	1	1	yes	yes	6.9117924	2519		
Xelaev18014170m.g	taok1.S	-0.24	1	0	0	1			1		379165	57551	216965	10	2	8	yes	yes	2	1	1	yes	yes	6.3629951	2866		
Xelaev18008905m.g	afap1.S	-0.24	1	0	0	1	1		2	1	108706530	60312	70292	2	1	1	yes	yes	3	2	1	yes	yes	3.4132276	6298		
Xelaev18013192m.g	lmo7.L	-0.239	0	1	1	2			2		100190776	4008	380928				no	no	1	1		yes	yes	15.408137	824		
Xelaev18018044m.g	peak1.L	-0.239	2	0	0	2			2		108711305	79834	244895	6	3	3	yes	yes	7	3	4	yes	yes	14.154299	3641		
Xelaev18022815m.g	exosc6.L	-0.239	1	0	0	1			1			118460	72544	3	1	2	yes	yes				no	no	4.7317191	975		
Xelaev18016607m.g	st8sia1.L	-0.239	1	1	0	2			2		398735	6489	20449				no	no	1	1		yes	yes	3.8028133	4322		
Xelaev18025042m.g	c1orf52.S	-0.238	1	0	0	1			1		734290	148423		1	1		yes	no				no	no	7.3676923	1238		
Xelaev18020527m.g	tlnrd1.S	-0.238	1	0	1	2			2		108712859	59274	80889	1	1		yes	no	2	1	1	yes	no	6.2501683	4317		
Xelaev18026214m.g	vash2.L	-0.238	1	0	1	2			2		108716453	79805	226841	2	1	1	yes	yes	2	1	1	yes	yes	5.2007119	2747		
Xelaev18000842m.g	arrb2.S	-0.238	1	1	0	2			2			409	216869	2	1	1	yes	yes	3	2	1	yes	yes	4.5500431	1935		
Xelaev18037100m.g	anapc16.S	-0.238	1	0	0	1			1		108697486	119504	52717	2	1	1	yes	yes	7	3	4	yes	yes	1.0144126	1776		
Xelaev18037141m.g	sec24c.S	-0.236	1	0	0	1			1		447693	9632	218811	1	1		yes	yes	1	1		yes	yes	10.989008	1907		
Xelaev18022972m.g	mier1.L	-0.236	1	0	0	1			1		379970	57708	71148	3	1	2	yes	yes				no	no	1.5519169	3171		
Xelaev18041297m.g	otub2.S	-0.235	1	0	0	1			1		495334	78990	68149	4	2	2	yes	yes	1		1	yes	yes	1.7620544	1193		
Xelaev18014359m.g	prdm15.S	-0.234	1	0	0	1			1		108709254	63977	114604	2	1	1	yes	yes				no	no	6.5085063	4196		
Xelaev18038891m.g	nkap.L	-0.233	1	0	0	1			1		108698444	79576	67050	2	1	1	yes	yes	1	1		yes	yes	7.068611	810		
Xelaev18012887m.g	prps2.L	-0.232	1	1	0	2			2		380347	5634	110639	1	1		yes	yes	2	1	1	yes	yes	10.26364	3158		
Xelaev18012887m.g	prps2.L	-0.232	1	1	0	2			2			5634	110639	1	1		yes	yes	2	1	1	yes	yes	10.26364	3158		
Xelaev18037901m.g	cpt1a.S	-0.232	1	0	0	1			1			1374	12894	4	1	3	yes	yes	2		2	yes	yes	9.7394245	4390		
Xelaev18002454m.g	braf.L	-0.232	1	0	0	1			1		447268	673	109880				no	no	5	1	4	yes	yes	4.8890006	2514		
Xelaev18029135m.g	sprtn.S	-0.232	1	0	0	1			1		100036995	83932	244666	2	1	1	yes	yes	5	3	2	yes	yes	3.8690022	2879		
Xelaev18010436m.g	pitpnb.2.S	-0.231	1	0	1	2			2			23760	56305	3	2	1	yes	no	1	1		yes	no	5.9526328	3912		
Xelaev18006651m.g	shb.L	-0.231	1	0	0	1			1		108713443	6461	230126	6	1	5	yes	yes				no	no	2.2250805	2689		
Xelaev18032068m.g	cyp7b1.L	-0.23	1	0	0	1			1		108719274	9420	13123	3	1	2	yes	yes	5	3	2	yes	yes	7.1123021	2751		
Xelaev18030124m.g	klhl29.S	-0.23	1	0	0	1			1			114818	208439	2	1	1	yes	yes	3	1	2	yes	yes	3.8078817	1395		
Xelaev18039662m.g	gpr137c.L	-0.229	1	0	0	1			1		108698766	283554	70713	3	1	2	yes	yes	1	1		yes	yes	9.1421531	3558		
Xelaev18045493m.g	pkd1.L	-0.229	1	0	1	2			2		733339	5310	18763				no	no	1	1		yes	yes	6.5347241	1924		
Xelaev18029219m.g	cep85l.S	-0.229	1	2	0	3	1	1	5	2		387119	100038725	3	1	2	yes	yes	4	2	2	yes	yes	6.2966529	2974		
Xelaev18030197m.g	mtmr9.S	-0.229	1	0	0	1			1		108718293	66036	210376	1	1		yes	yes	1	1		yes	yes	4.0557593	1486		
Xelaev18020807m.g	fbxl22.S	-0.228	1	0	0	1			1		779270	283807	74165	1		1	yes	yes	1	1		yes	yes	31.836949	857		
Xelaev18005734m.g	lamtor3.L	-0.228	1	0	0	1			1		379557	8649	56692	1		1	yes	yes	1	1		yes	yes	10.494793	1248		
Xelaev18005527m.g	hhip.L	-0.227	1	0	0	1			1		380097	64399	15245	2	1	1	yes	yes	3	3		yes	yes	7.2834123	1440		
Xelaev18029379m.g	rragd.S	-0.227	1	0	0	1			1			58528	52187	5	1	4	yes	yes	4	2	2	yes	yes	6.3883804	1828		
Xelaev18014041m.g	aqp11.L	-0.227	2	0	0	2			2		100037151	282679	66333				no	no	2	1	1	yes	yes	4.5764982	2765		
Xelaev18012989m.g	eif5b.L	-0.226	1	0	0	1			1		446935	9669	226982				no	no	2	1	1	yes	yes	14.643863	2033		
Xelaev18025779m.g	sema3b.S	-0.226	0	1	3	4			4		108715824	7869	20347				no	no	4	1	3	yes	yes	3.2699663	2044		
Xelaev18011080m.g	mbd2.S	-0.226	1	0	1	2			2		399118	8932	17191	4	1	3	yes	yes	1	1		yes	yes	1.5582413	1787		
Xelaev18017214m.g	tcerg1.L	-0.225	0	2	0	2			2		399428	10915	56070	4	2	2	yes	yes	2	2		yes	yes	20.829793	710		

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18046966m.g	pecr.S	-0.225	1	0	0	1			1		446674	55825	111175				no	no	3	2	1	yes	yes	2.9537161	2143		
Xelaev18028853m.g	naa20.S	-0.224	0	1	1	2			2		380338	51126	67877	1	1		yes	yes	1	1		yes	yes	11.816457	1757		
Xelaev18037862m.g	kmt5c.S	-0.224	1	0	0	1			1		108697809	84787	232811				no	no	1	1		yes	no	6.1306829	6259		
Xelaev18010934m.g	pik3r1.S	-0.223	1	1	1	3			3		399202	5295	18708	2	2		yes	yes	2	1	1	yes	yes	10.866924	5407		yes
Xelaev18045263m.g	gpr146.L	-0.223	0	1	0	1			1		398996	115330	80290				no	no	2	1	1	yes	yes	3.6367889	2248		
Xelaev18013144m.g	abcc4.L	-0.223	1	0	0	1			1		108708484	10257	239273	1		1	no	yes	1	1		yes	yes	1.2899453	1131		
Xelaev18006118m.g	b4galt1.1.L	-0.221	0	2	0	2			2		108712215	2683	14595	4	2	2	yes	no	1	1		yes	no	10.173113	3840		
Xelaev18008192m.g	arsb.L	-0.221	1	0	0	1			1		108717994	411	11881	2	1	1	yes	yes				no	no	5.4047245	885		
Xelaev18047218m.g	osbpl6.S	-0.221	1	1	0	2			2		108703014	114880	99031	3	3		yes	yes	1	1		yes	yes	1.4554572	672		
Xelaev18024951m.g	emc8.S	-0.219	1	0	0	1			1		495028	10328	18117				no	no	3	1	2	yes	yes	11.141109	919		
Xelaev18019807m.g	cnot4.S	-0.219	1	2	0	3			3		380304	4850	53621	1		1	yes	yes	2	1	1	yes	yes	8.998371	2665		
Xelaev18019807m.g	cnot4.S	-0.219	1	2	0	3			3			4850	53621	1		1	yes	yes	2	1	1	yes	yes	8.998371	2665		
Xelaev18039153m.g	agpat1.L	-0.219	1	0	0	1			1		447513	10554	55979	5	1	4	yes	yes	1	1		yes	yes	5.8340301	2367		
Xelaev18007922m.g	osbp2.L	-0.219	1	0	0	1			1		108717131	23762	74309	2	1	1	no	yes				no	no	1.8183013	5072		
Xelaev18014551m.g	map7d2.S	-0.219	1	0	0	1			1		108709330	256714	78283	3	3		yes	yes	2	2		yes	yes	1.0823641	1543		
Xelaev18027072m.g	txlnb.L	-0.218	1	0	0	1			1		108716148	167838	378431	1		1	yes	yes	1	1		yes	yes	18.883881	6993		
Xelaev18012447m.g	ago3.L	-0.218	1	0	0	1			1			192669	214150	4	1	3	yes	yes	7	3	4	yes	yes	2.5371756	759		
Xelaev18029562m.g	abcc5.S	-0.217	1	0	0	1			1			10057	27416	2		2	yes	yes	1	1		yes	yes	33.990672	973		
Xelaev18033365m.g	ankh.S	-0.217	1	0	0	1			1		399193	56172	11732	8	2	6	yes	yes	2	1	1	yes	no	5.8496768	2789		
Xelaev18009070m.g	tmem165.S	-0.217	1	0	0	1	1		2	1	108706594	55858	21982	1	1		yes	yes	1	1		yes	yes	2.3108396	4167		
Xelaev18039901m.g	synj2bp.L	-0.216	0	2	0	2			2		443555	55333	24071				no	no	4	2	2	yes	yes	4.1077765	5876		
Xelaev18030932m.g	gpnmb.L	-0.215	0	1	0	1			1		733250	10457	93695				no	no	2	1	1	yes	yes	9.9028219	671		
Xelaev18037557m.g	fbxl4.S	-0.215	1	1	1	3			3			26235	269514	2	1	1	yes	yes				no	no	2.9225324	4124		
Xelaev18012225m.g	cdk18.L	-0.215	1	0	0	1			1		108708133	5129	18557				no	no	1	1		yes	yes	1.9415293	3620		
Xelaev18010879m.g	arhgef28.S	-0.215	1	0	0	1			1			64283	110596				no	no	1	1		yes	yes	1.6891058	1105		yes
Xelaev18030660m.g	kmt2c.L	-0.213	1	0	1	2			2			58508	231051	3	2	1	yes	yes	4	2	2	yes	yes	10.231087	2896		
Xelaev18040857m.g	chtop.L	-0.212	1	0	0	1			1			26097	66511	1		1	yes	yes	1	1		yes	yes	14.620469	1376		
Xelaev18040076m.g	dll4.L	-0.212	1	0	0	1			1		108699270	54567	54485				no	no	2	1	1	yes	yes	3.5328831	679		
Xelaev18017664m.g	aass.L	-0.211	1	0	0	1			1		444409	10157	30956	1	1		yes	yes	1		1	yes	yes	7.9205979	2491		
Xelaev18021150m.g	phlda1.S	-0.211	1	0	0	1			1		108713141	22822	21664	2	1	1	yes	yes	1	1		yes	yes	2.2372809	2334		
Xelaev18025244m.g	ccnb1.2.S	-0.211	0	1	0	1			1		397742	891	268697	1	1		yes	no	1	1		yes	no	1.243599	1117		
Xelaev18028075m.g	fam49a.L	-0.21	1	0	0	1			1			81553	76820	1	1		yes	yes	3	2	1	yes	yes	5.7895284	2330		
Xelaev18039874m.g	tmem62.L	-0.21	1	1	0	2			2		108699181	80021	96957				no	no	1	1		yes	yes	1.3021587	2807		
Xelaev18017599m.g	mcoln1.L	-0.209	1	0	0	1			1		444113	57192	94178				no	no	1	1		yes	yes	8.060484	813		
Xelaev18017564m.g	phlda1.L	-0.209	1	0	0	1			1		100036927	22822	21664	2	1	1	yes	yes	1	1		yes	yes	7.0681936	1446		
Xelaev18022754m.g	znf536.L	-0.209	1	0	0	1			1		108714125	9745		3	2	1	yes	yes				no	no	6.823507	2086		
Xelaev18025109m.g	mier1.S	-0.209	1	0	0	1	1	1	3	2	108715521	57708	71148	3	1	2	yes	yes				no	no	2.4075073	3072		
Xelaev18006983m.g	spin1.L	-0.208	1	2	0	3			3		734556	10927	20729	6	3	3	yes	yes	1	1		yes	yes	6.144851	5640		
Xelaev18031986m.g	mapre2.L	-0.208	0	1	1	2			2		108719240	10982	212307	2	1	1	yes	yes	1	1		yes	yes	4.9525704	3315		
Xelaev18006822m.g	ric1.L	-0.207	1	0	0	1			1		108714214	57589	226089	2		2	yes	no	2	2		yes	no	8.3763315	6106		
Xelaev18042205m.g	commd5.S	-0.207	1	1	0	2			2			28991	66398	1		1	yes	yes	2	1	1	yes	yes	1.8251187	2673		
Xelaev18030291m.g	esco2.S	-0.207	1	0	2	3	1		4	1	734660	157570	71988	3	3		yes	yes	1		1	yes	yes	1.5723566	1198		
Xelaev18019897m.g	cry1.S	-0.206	1	2	0	3			3			1407	12952	1		1	yes	yes	1	1		yes	yes	10.536162	2814		
Xelaev18023747m.g	pfkfb4.L	-0.206	1	2	0	3			3			5210	270198	2	1	1	yes	yes	2	1	1	yes	yes	6.1084397	5653		
Xelaev18037172m.g	vsir.S	-0.206	0	2	0	2			2			64115	74048	1		1	yes	no	4	1	3	yes	no	4.1554084	2883		
Xelaev18024517m.g	ext2.S	-0.206	1	0	0	1			1		398750	2132	14043	1	1		yes	yes				no	no	3.1183937	3699		
Xelaev18037431m.g	rpl27a.S	-0.205	0	1	0	1			1			6157	26451	6	1	5	yes	yes				no	no	207.02691	778		yes
Xelaev18032818m.g	kmt2c.S	-0.205	1	0	1	2			2			58508	231051	3	2	1	yes	yes	4	2	2	yes	yes	10.536022	2432		
Xelaev18033483m.g	fam8a1.S	-0.205	0	1	1	2			2		108720112	51439	97863	2		2	yes	yes	2	2		yes	no	4.2950181	5200		
Xelaev18036191m.g	cpt1a.L	-0.204	2	0	0	2			2		379393	1374	12894	4	1	3	yes	yes	2		2	yes	yes	13.41669	6441		
Xelaev18010794m.g	pam.S	-0.204	1	0	0	1			1		397736	5066	18484	2	2		yes	yes	2	1	1	yes	yes	7.5207911	696		
Xelaev18002115m.g	asrgl1.L	-0.204	1	0	1	2			2		444536	80150	66514	1	1		yes	yes	1		1	yes	yes	1.3208312	1941		
Xelaev18020599m.g	usp8.S	-0.203	0	1	1	2			2		108712896	9101	84092	1	1		yes	yes	1	1		yes	yes	9.8730007	2457		
Xelaev18027228m.g	prdm1.L	-0.203	1	0	0	1			1		108716852	639	12142	1	1		yes	yes	1		1	yes	yes	2.2039855	1782		
Xelaev18027822m.g	ppp1r7.L	-0.202	0	1	1	2			2		108717094	5510	66385				no	no	2	1	1	yes	yes	15.776073	1970		
Xelaev18029710m.g	pld1.S	-0.202	1	0	0	1			1			5337	18805	2	2	2	yes	yes	1	1		yes	yes	1.4903751	737		
Xelaev18034845m.g	anapc16.L	-0.199	1	0	0	1			1		443949	119504	52717	2	1	1	yes	yes	7	3	4	yes	yes	8.0693772	1021		
Xelaev18020986m.g	pik3cg.S	-0.199	1	0	0	1			1		108713077	5294	30955	4		4	yes	yes	1	1		yes	yes	6.2845524	3058		
Xelaev18036408m.g	pax7.L	-0.199	1	0	0	1			1		496378	5081	18509	1		1	yes	yes	2	1	1	yes	yes	5.0650304	2216		
Xelaev18046592m.g	epb41l1.S	-0.199	1	0	0	1			1		399240	2036	13821	2		2	yes	yes	1	1		yes	no	5.0076822	3020		
Xelaev18029878m.g	ing5.S	-0.199	1	1	1	3			3		495052	84289	66262	5	1	4	yes	yes	3	1	2	yes	yes	4.5733629	3405		
Xelaev18029906m.g	atg16l1.S	-0.199	0	1	4	5			5		100049143	55054	77040	1	1		yes	yes				no	no	2.6777873	4288		
Xelaev18017999m.g	tbc1d2b.L	-0.199	1	1	0	2			2		108711285	23102	67016	4	1	3	yes	yes				no	no	1.564551	3184		
Xelaev18039822m.g	psma3.L	-0.198	1	0	0	1			1		379935	5684	19167				no	no	1	1		yes	yes	10.531648	2285		yes
Xelaev18046687m.g	mrpl58.S	-0.198	0	0	2	2			2		734168	3396	68572				no	no	2	1	1	yes	no	5.3012541	393		
Xelaev18017574m.g	pawr.L	-0.198	0	2	1	3			3		447443	5074	114774	2	1	1	yes	yes	1	1		yes	yes	4.6220213	5587		
Xelaev18007926m.g	lztr1.L	-0.198	1	0	0	1			1			8216	66863	2		2	yes	yes	1	1		no	yes	3.6618232	449		
Xelaev18007926m.g	lztr1.L	-0.198	1	0	0	1			1		431916	8216	66863	2		2	yes	yes	1	1		no	yes	3.6618232	449		
Xelaev18024361m.g	tnnt3.S	-0.197	1	0	0	1			1			7140	21957				no	no	1	1		yes	yes	255.25025	2680		
Xelaev18042821m.g	cdc42se1.S	-0.197	0	1	0	1			1		447104	56882	57912	1	1		yes	yes	1	1		yes	yes	10.196501	585		
Xelaev18033681m.g	b4galt6.S	-0.197	1	0	0	1			1			9331	56386	5	2	3	yes	yes	1	1		yes	yes	4.4148035	1252		
Xelaev18035487m.g	sik2.L	-0.197	0	2	0	2			2		100502576	23235	235344	8	2	6	yes	yes	1	1		yes	yes	3.1539509	5850		
Xelaev18027768m.g	spsb4.L	-0.197	0	2	1	3			3		734286	92369	211949				no	no	2	1	1	yes	yes	3.0716587	3741		
Xelaev18001469m.g	nlrp1.L	-0.197	1	1	0	2			2			22861		1	1		yes	yes				no	no	1.7839015	2763		
Xelaev18047308m.g	cps1.S	-0.196	1	0	0	1			1			1373	227231	1		1	yes	yes	3	2	1	yes	yes	2.705985	1119		
Xelaev18005550m.g	mgat4a.L	-0.194	1	0	1	2			2			11320	269181	4		4	yes	yes	2	2		yes	yes	5.2152489	2274		
Xelaev18043310m.g	adam11.L	-0.194	0	1	0	1			1		386622	4185	11488	3	2	1	yes	yes	2	2		yes	yes	4.1757763	2662		
Xelaev18029530m.g	tdrp.S	-0.194	1	0	0	1			1			157695	72148	1	1		yes	yes	2	1	1	yes	yes	3.8097093	2707		
Xelaev18039699m.g	hsp90aa1.1.L	-0.193	0	1	0	1			1		444024	3320	15519				no	no	1	1		yes	no	19.334686	187		yes
Xelaev18032342m.g	fbxo32.L	-0.193	1	1	1	3			3			114907	67731	1	1		yes	yes	4	2	2	yes	yes	11.041481	2563		
Xelaev18011918m.g	cluh.L	-0.193	1	1	0	2			2			23277	74148	1	1		yes	yes	1	1		yes	yes	7.8803352	3193		
Xelaev18026196m.g	slc30a1.L	-0.193	1	0	0	1			1		380466	7779	22782	2	1	1	yes	yes	1	1		yes	yes	4.3632637	3120		
Xelaev18011533m.g	app.L	-0.192	0	1	0	1			1		398223	351	11820	2	1	1	yes	yes	1		1	no	yes	23.291496	1106		
Xelaev18038592m.g	trim32.L	-0.192	0	1	0	1			1		108698295	22954	69807	4		4	yes	yes	4	1	3	yes	yes	1.4332726	1000		

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18023402m.g	uap1.L	-0.191	0	2	0	2			2		100037187	6675	107652	4	1	3	yes	yes				no	no	10.001998	869		
Xelaev18029392m.g	orc3.S	-0.191	0	1	0	1			1		379084	23595	50793				no	no	2	1	1	yes	yes	7.3300272	379		
Xelaev18021477m.g	spry4.S	-0.191	1	0	1	2			2		108713274	81848	24066	3	2	1	yes	yes	2	2		yes	yes	2.6915554	4822		
Xelaev18003094m.g	tgif2.L	-0.19	0	1	0	1			1		447461	60436	228839	6	1	5	yes	yes	1	1		yes	yes	1.6867397	3496		
Xelaev18011989m.g	zkscan8.L	-0.189	0	1	0	1			1			7745	93681	4	1	3	yes	yes	3	1	2	yes	yes	3.2388238	4494		
Xelaev18018230m.g	fbn1.L	-0.189	0	1	1	2			2			2200	14118	3	1	2	yes	yes				no	no	1.2250878	1450	yes	
Xelaev18044553m.g	acvr2a.L	-0.188	1	1	0	2	1	1	4	2	399283	92	11480	4	4		yes	yes	1	1		yes	yes	48.749917	6678		
Xelaev18025160m.g	usp24.S	-0.188	1	0	0	1			1			23358	329908				no	no	2	1	1	yes	yes	9.2977942	747		
Xelaev18015523m.g	fhl2.S	-0.188	1	0	0	1			1		108709713	2274	14200	5	1	4	yes	yes	1	1		yes	yes	7.3845183	824		
Xelaev18031190m.g	c7orf25.L	-0.188	0	1	0	1			1		100158400	79020		1	1		yes	no				no	no	4.4347493	1263		
Xelaev18001244m.g	hsdl2.S	-0.187	1	0	0	1			1		398845	84263	72479	1	1		yes	yes				no	no	15.72155	322		
Xelaev18023456m.g	ptprc.L	-0.187	1	0	0	1			1		394345	5788	19264	1		1	no	yes	2	1	1	yes	yes	4.0718288	2285		yes
Xelaev18008854m.g	ctbp1.S	-0.187	1	0	0	1			1			1487	13016				no	no	2	1	1	yes	yes	3.9467104	1009		
Xelaev18045153m.g	bfar.L	-0.187	1	1	0	2			2		495189	51283	67118	2		2	yes	yes	2	2		yes	yes	3.8382554	2393		
Xelaev18045153m.g	bfar.L	-0.187	1	1	0	2			2		495189	51283	67118	2		2	yes	yes	1	1		yes	yes	3.8382554	2393		
Xelaev18039910m.g	sptb.L	-0.186	0	1	0	1			1			6710	20741	3	1	2	yes	yes	1	1		yes	yes	56.611537	3816		yes
Xelaev18005017m.g	ctbp1.L	-0.186	1	0	0	1			1		373701	1487	13016				no	no	2	1	1	yes	yes	9.8272416	1198		
Xelaev18002833m.g	ikbkg.L	-0.186	0	1	0	1			1		735069	8517	16151				no	no	2	2		yes	yes	9.6912992	588		
Xelaev18039839m.g	exoc5.L	-0.186	0	1	0	1			1		444159	10640	105504	6	3	3	yes	yes	4	1	3	yes	yes	5.5804128	888		
Xelaev18022194m.g	hnrnpul2.L	-0.185	0	1	0	1			1		100137638	221092	68693	3		3	yes	yes	1	1		yes	yes	9.935834	1223		
Xelaev18047078m.g	epc2.S	-0.185	1	0	0	1			1		447433	26122	227867	3	3		yes	yes	2	2		yes	yes	8.8739798	2259		
Xelaev18008976m.g	rbpj.S	-0.185	2	0	0	2			2		399453	3516	19664	2	1	1	yes	yes	2	1	1	yes	yes	5.79579	2583		
Xelaev18029043m.g	kif26b.S	-0.185	0	1	0	1			1			55083	269152	2		2	yes	yes	4	2	2	yes	yes	4.0683431	440		
Xelaev18005767m.g	smarcad1.L	-0.185	0	1	1	2			2			56916	13990	2	1	1	yes	yes	1		1	yes	yes	3.1862227	1332		
Xelaev18014228m.g	col8a1.S	-0.185	1	0	0	1			1		494652	1295	12837				no	no	1	1		yes	yes	2.1876266	3019	yes	
Xelaev18012626m.g	lypla2.L	-0.184	1	0	0	1			1		108708277	11313	26394	1	1		yes	yes				no	no	23.064262	1415		yes
Xelaev18018018m.g	myo9a.L	-0.184	1	1	0	2			2		733320	4649	270163	3	1	2	yes	yes				no	no	10.264607	2647		
Xelaev18027656m.g	gfm1.L	-0.184	1	0	0	1		1	2	1	100101315	85476	28030	5	4	1	yes	yes	3	1	2	yes	yes	4.8917651	2460		
Xelaev18026380m.g	mf8.L	-0.184	0	2	0	2			2		431911	9025	58230	4	3	1	yes	yes				no	no	4.5734847	2102		
Xelaev18037356m.g	pknox2.S	-0.183	0	2	0	2			2		108697579	63876	208076	3	2	1	yes	yes	3	2	1	yes	yes	53.938419	1809		
Xelaev18001198m.g	fcho1.S	-0.183	0	2	0	2			2		108703716	23149	74015				no	no	2	1	1	yes	yes	4.20174	790		
Xelaev18008978m.g	stim2.S	-0.183	0	3	1	4			4			57620	116873	4	2	2	yes	yes	1	1		yes	yes	3.1788336	2654		
Xelaev18009407m.g	tacr3.S	-0.183	0	1	0	1			1		108706733	6870	21338	5	3	2	yes	yes	2	1	1	yes	yes	3.1377634	517		
Xelaev18005722m.g	slc39a8.L	-0.183	0	1	0	1			1		108710800	64116	67547				no	no	3	3		yes	yes	2.6732615	559		
Xelaev18030628m.g	map3k3.L	-0.182	0	2	0	2			2		734336	4215	26406	2	1	1	yes	yes	2	1	1	yes	yes	2.589026	1826		
Xelaev18015143m.g	clspn.S	-0.182	0	1	0	1			1		398192	63967	269582	2	1	1	yes	yes				no	no	2.5817649	797		
Xelaev18021547m.g	arap3.S	-0.182	1	0	0	1			1			64411	106952	3	1	2	yes	yes	1		1	yes	yes	1.7518575	1295		
Xelaev18047171m.g	itga6.S	-0.182	0	1	0	1			1		108702994	3655	16403	3	1	2	no	yes	1	1		yes	yes	1.4875861	2463	yes	
Xelaev18012403m.g	ddx3x.L	-0.181	0	3	0	3			3		379975	1654	13205	8	4	4	yes	yes	6	4	2	yes	yes	43.154293	2391		
Xelaev18024072m.g	tada3.L	-0.181	1	0	0	1			1		379602	10474	101206	1	1		yes	yes	1	1		yes	yes	5.60126	490		
Xelaev18025294m.g	tceanc2.S	-0.181	0	1	0	1			1		444596	127428	66526	3	1	2	yes	yes	1		1	yes	yes	2.2879764	934		
Xelaev18025294m.g	tceanc2.S	-0.181	0	1	0	1			1		444596	127428	66526	3	2	1	yes	yes	1		1	yes	yes	2.2879764	934		
Xelaev18025147m.g	hook1.S	-0.181	0	1	0	1			1		108715534	51361	77963	2	2		yes	yes	3	2	1	yes	yes	1.3832477	2606		
Xelaev18010718m.g	lztr1.S	-0.18	1	0	1	2	1		3	1	431916	8216	66863	2		2	yes	yes	1	1		no	yes	7.6459288	2379		
Xelaev18010718m.g	lztr1.S	-0.18	1	0	1	2	1		3	1		8216	66863	2		2	yes	yes	1	1		no	yes	7.6459288	2379		
Xelaev18045349m.g	ankrd42.L	-0.18	1	0	0	1			1		100101286	338699	73845	1		1	yes	yes	1	1		yes	yes	2.8434279	1557		
Xelaev18019823m.g	prdm4.S	-0.18	2	0	0	2			2			11108	72843	2	1	1	yes	yes	1	1		yes	yes	1.6133467	3382		
Xelaev18023574m.g	rgs18.L	-0.179	0	1	0	1			1		444217	64407	64214	2	2		yes	yes				no	no	5.7346981	948		
Xelaev18021135m.g	usp15.S	-0.179	1	0	2	3			3		108713134	9958	14479	3	2	1	yes	yes	6	4	2	yes	yes	4.5690434	2000		
Xelaev18018158m.g	myo1e.1.L	-0.179	1	0	0	1			1		100158409	4643	71602	1	1		yes	no				no	no	3.1737692	2948		
Xelaev18029311m.g	prdm1.S	-0.178	1	0	0	1			1		380265	639	12142	1	1		yes	yes	1		1	yes	yes	1.2642249	1901		
Xelaev18020905m.g	gdi2.S	-0.177	0	1	0	1			1			2665	14569	3	1	2	yes	yes	2		2	yes	yes	29.418196	940		
Xelaev18023036m.g	usp24.L	-0.177	1	0	0	1			1		108714250	23358	329908				no	no	2	1	1	yes	yes	6.9489316	4540		
Xelaev18006934m.g	ntrk2.L	-0.177	0	1	1	2			2		379266	4915	18212	1	1		yes	yes	1	1		yes	yes	5.3301917	2348		
Xelaev18006934m.g	ntrk2.L	-0.177	0	1	1	2			2		779173	4915	18212	1	1		yes	yes	1	1		yes	yes	5.3301917	2348		
Xelaev18027562m.g	znf639.L	-0.177	0	1	0	1			1		444651	51193	67778	2		2	yes	yes	2	2		yes	no	3.524939	430		
Xelaev18000112m.g	srsf10.L	-0.177	1	1	0	2			2		108705444	10772	14105	3	1	2	yes	yes	1	1		yes	yes	2.9385025	2551		
Xelaev18041010m.g	nova1.S	-0.176	1	0	0	1			1		108699708	4857	664883	5	2	3	yes	yes	6	3	3	yes	yes	3.7834048	726		
Xelaev18015341m.g	trim37.S	-0.176	0	1	0	1			1		108709630	4591	68729				no	no	2	1	1	yes	yes	1.5510462	2062		
Xelaev18024333m.g	fads1.S	-0.175	1	0	0	1			1			3992	76267	2	1	1	yes	yes				no	no	5.1990336	2804		
Xelaev18021990m.g	incenp.L	-0.174	0	2	0	2			2		398105	3619	16319	1	1		yes	yes	7		7	yes	yes	6.8608738	819		
Xelaev18024958m.g	znf536.S	-0.174	1	0	0	1			1		108714975	9745		3	2	1	yes	yes				no	no	3.2283422	2037		
Xelaev18007986m.g	cdo1.L	-0.174	1	0	0	1			1		398963	1036	12583	1		1	yes	yes	4	2	2	yes	yes	2.1315336	992		
Xelaev18004058m.g	fuca1.S	-0.173	0	1	0	1			1		399225	2517	71665	1	1		yes	yes				no	no	8.7046922	1725		
Xelaev18040018m.g	heatr5a.L	-0.172	1	1	0	2			2		108699234	25938	320487				no	no	4	3	1	yes	yes	4.3158908	1133		
Xelaev18015299m.g	aldh3a2.S	-0.172	0	1	0	1			1		443767	224	11671	1	1		yes	yes	3	2	1	yes	yes	4.2757786	577		
Xelaev18015004m.g	klhl12.S	-0.172	0	2	1	3			3		108709500	59349	240756	1		1	yes	yes	1	1		yes	yes	1.8151414	2808		
Xelaev18047428m.g	hspd1.S	-0.171	1	0	0	1			1		399217	3329	15510	1	1		yes	yes				no	no	41.132347	1157		
Xelaev18033636m.g	colec12.S	-0.171	0	1	0	1			1		108695260	81035	140792				no	no	2	1	1	yes	yes	21.688803	1255		
Xelaev18017996m.g	idh3a.L	-0.171	0	1	0	1			1		108711283	3419	67834	3	1	2	yes	yes				no	no	17.178845	905		
Xelaev18042021m.g	cox7b.S	-0.171	0	1	0	1			1			1349	66142	3	1	2	yes	yes				no	no	9.1632661	252		
Xelaev18013987m.g	trim3.L	-0.171	3	1	0	4			4			10612	55992	1	1		yes	yes	1	1		yes	yes	8.5019125	2627		
Xelaev18013987m.g	trim3.L	-0.171	3	1	0	4			4		495223	10612	55992	1	1		yes	yes	1	1		yes	yes	8.5019125	2627		
Xelaev18009415m.g	slc39a8.S	-0.171	0	1	0	1			1		108706737	64116	67547				no	no	3	3		yes	yes	3.4762016	567		
Xelaev18012138m.g	pdik1l.L	-0.171	0	1	0	1			1		414541	149420	230809	4	2	2	yes	yes	4	2	2	yes	yes	2.2022615	1987		
Xelaev18034460m.g	tfam.L	-0.17	1	0	0	1			1		394385	7019	21780	3	1	2	yes	yes	2	2		yes	yes	8.2874811	883		
Xelaev18035152m.g	vstm4.L	-0.17	1	0	0	1			1		108696341	196740	320736	3	1	2	yes	yes				no	no	6.6751368	5318		
Xelaev18009071m.g	clock.S	-0.17	0	1	0	1			1		108706595	9575	12753	4	1	3	yes	yes	6	2	4	yes	yes	6.0987838	1592		
Xelaev18022710m.g	pdp2.L	-0.17	1	0	0	1			1		108714104	57546	382051	1		1	yes	yes	1	1		yes	yes	4.1382568	3348		
Xelaev18022710m.g	pdp2.L	-0.17	1	0	0	1			1		779268	57546	382051	1		1	yes	yes	1	1		yes	yes	4.1382568	3348		
Xelaev18025682m.g	tef.S	-0.169	1	0	0	1			1		494759	7008	21685	2	1	1	yes	yes	2	2		yes	yes	21.570486	2974		
Xelaev18014267m.g	app.S	-0.169	0	1	0	1			1		379251	351	11820	2	1	1	yes	yes	1		1	no	yes	18.690102	1057		
Xelaev18021433m.g	afap1l1.S	-0.169	0	2	0	2	1	1	4	2	108713252	134265	106877	1		1	yes	yes	3	1	2	yes	yes	11.105203	1266		
Xelaev18024102m.g	mitf.L	-0.169	1	0	0	1			1		373794	4286	17342	1	1		yes	yes	3	3		yes	yes	7.9738628	2312		

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18023619m.g	pla2g4a.L	-0.169	0	1	0	1			1		380561	5321	18783	1	1		yes	yes	1	1		yes	yes	5.9185398	3707		
Xelaev18022273m.g	chka.L	-0.168	1	0	1	2			2		108713935	1119	12660	1	1		yes	yes				no	no	11.676949	2348		
Xelaev18004398m.g	kmt2a.S	-0.168	1	0	1	2			2			4297	214162	5	4	1	yes	yes	5	3	2	yes	yes	9.6786293	5532		
Xelaev18023132m.g	efcab14.L	-0.168	1	1	0	2			2		108714293	9813	230648	1	1		yes	yes	2		2	yes	yes	8.5712164	1443		
Xelaev18012695m.g	ywhag.L	-0.168	0	1	0	1			1		379724	7532	22628	7	1	6	yes	yes	5	3	2	yes	yes	7.349124	2685		
Xelaev18037389m.g	pafah1b2.S	-0.168	0	2	0	2			2		379732	5049	18475	5	2	3	yes	yes	3	1	2	yes	yes	6.7890549	2528		
Xelaev18018462m.g	pias1.L	-0.168	0	1	0	1			1		373715	8554	56469	3	1	2	yes	yes	1	1		yes	yes	5.1420502	2998		
Xelaev18022521m.g	rspry1.L	-0.168	0	1	0	1			1		108714018	89970	67610	1		1	yes	yes	2	1	1	yes	yes	4.2254475	773		
Xelaev18009304m.g	c4orf33.S	-0.168	0	1	0	1			1			132321		6	1	5	yes	no				no	no	1.9121869	1365		
Xelaev18047395m.g	idh1.S	-0.167	0	0	2	2			2			3417	15926	1	1		yes	yes	1	1		yes	yes	16.704665	2942		
Xelaev18027337m.g	agpat5.L	-0.167	0	2	0	2			2			55326	52123	7	2	5	yes	yes	2	2		yes	yes	5.6819973	5041		
Xelaev18034259m.g	atrnl1.L	-0.167	0	2	0	2			2			26033	226255	2	1	1	yes	yes	2	2		yes	yes	1.1000857	1781		
Xelaev18025245m.g	efcab14.S	-0.166	1	1	0	2			2		447197	9813	230648	1	1		yes	yes	2		2	yes	yes	25.52159	1518		
Xelaev18044668m.g	klhl23.L	-0.166	0	1	0	1			1		108701367	151230	277396	1		1	yes	yes	3	1	2	yes	yes	2.3667652	1714		
Xelaev18027559m.g	gnb4.L	-0.165	1	0	0	1			1			59345	14696	6	5	1	yes	yes	2	2		yes	yes	20.43599	6460		
Xelaev18015751m.g	elf1.S	-0.165	1	0	0	1			1		380374	1997	13709				no	no	1	1		yes	yes	6.7277149	1527		
Xelaev18007779m.g	rilpl1.L	-0.165	1	0	0	1			1			353116	75695	1	1		yes	yes				no	no	6.2305821	4378		
Xelaev18007779m.g	rilpl1.L	-0.165	1	0	0	1			1		779245	353116	75695	1	1		yes	yes				no	no	6.2305821	4378		
Xelaev18047138m.g	fign.S	-0.165	2	2	1	5			5		108702972	55137	60344	8	6	2	yes	yes	6	4	2	yes	yes	2.4290251	5573		
Xelaev18028806m.g	gpcpd1.S	-0.164	0	2	0	2			2		108717755	56261	74182	3	3		yes	yes	3	2	1	yes	yes	12.762011	3301		
Xelaev18031292m.g	cdk13.L	-0.164	0	1	0	1			1		108719018	8621	69562	3	2	1	yes	yes	2		2	yes	yes	9.3979077	702		
Xelaev18022110m.g	gatd1.L	-0.164	1	0	0	1			1		734963	347862	213350	1		1	yes	no	3	1	2	yes	no	6.7657701	844		
Xelaev18031095m.g	trim71.L	-0.164	2	0	0	2			2			131405	636931	7	4	3	yes	yes	6	5	1	yes	yes	3.7341125	8730		
Xelaev18020952m.g	cacna2d1.S	-0.164	0	2	0	2			2		108713061	781	12293	1	1		yes	yes	1	1		yes	yes	2.4365081	4364		
Xelaev18011941m.g	aipl1.L	-0.164	0	2	1	3			3		108707685	23746	114230				no	no	1	1		yes	yes	1.0589785	1812		
Xelaev18021019m.g	brd1.S	-0.163	1	0	0	1			1		108713087	23774	223770	2	1	1	yes	yes	1	1		yes	yes	10.635293	4132		
Xelaev18007940m.g	isoc1.L	-0.163	0	1	0	1			1		495931	51015	66307				no	no	3	3		yes	yes	3.8515742	4886		
Xelaev18033223m.g	zdhhc3.S	-0.163	0	1	0	1	1		2	1	446536	51304	69035	7	4	3	yes	yes	2	1	1	yes	yes	3.5117998	3453		
Xelaev18014868m.g	mapk14.S	-0.162	0	2	0	2			2		379992	1432	26416	7	3	4	yes	yes	1		1	yes	yes	14.403155	1405		yes
Xelaev18007578m.g	patz1.L	-0.162	1	0	2	3			3		108716021	23598	56218	1		1	yes	yes	2	1	1	yes	yes	9.0731352	5288		
Xelaev18016948m.g	galnt10.L	-0.162	1	0	0	1			1			55568	171212	2	1	1	yes	yes	1		1	yes	yes	6.8735738	4275		
Xelaev18046537m.g	zswim1.S	-0.162	1	0	0	1			1		414615	90204	71971	1	1		yes	yes	1	1		yes	yes	2.5836028	1803		
Xelaev18009749m.g	slc39a3.S	-0.162	1	1	0	2			2		108706838	29985	106947				no	no	2	1	1	yes	yes	1.9270272	2746		
Xelaev18028818m.g	plcb1.S	-0.162	0	2	0	2			2		733258	23236	18795	2		2	yes	yes	2	1	1	yes	yes	1.514894	4254		
Xelaev18014401m.g	pou2f1.S	-0.161	0	1	0	1			1		399316	5451	18986	8	4	4	yes	yes	11	5	6	yes	yes	5.6265342	1995		
Xelaev18041050m.g	ralgapa1.S	-0.161	1	1	0	2			2			253959	56784	1		1	yes	yes	1	1		yes	yes	2.9304079	3385		
Xelaev18041050m.g	ralgapa1.S	-0.161	1	1	0	2			2		495705	253959	56784	1		1	yes	yes	1	1		yes	yes	2.9304079	3385		
Xelaev18034885m.g	sec24c.L	-0.16	1	0	0	1			1			9632	218811	1	1		yes	yes	1	1		yes	yes	20.835496	2187		
Xelaev18007556m.g	triap1.L	-0.16	0	1	0	1			1		446769	51499	69076	3		3	yes	yes	2	1	1	yes	yes	7.4868463	729		
Xelaev18012041m.g	rragc.L	-0.16	0	2	0	2			2			64121	54170	3		3	yes	yes	4	1	3	yes	yes	3.4482928	3461		
Xelaev18018402m.g	synm.L	-0.16	0	2	0	2			2		108711479	23336	233335	1		1	yes	yes	3	2	1	yes	yes	2.8225894	3175		
Xelaev18044994m.g	idh1.L	-0.159	0	0	2	2			2		494713	3417	15926	1	1		yes	yes	1	1		yes	yes	23.960146	1168		
Xelaev18031709m.g	id4.L	-0.159	0	1	0	1			1		100337509	3400	15904	2	1	1	yes	yes	1		1	yes	yes	8.0862634	2176		
Xelaev18031709m.g	id4.L	-0.159	0	1	0	1			1		380396	3400	15904	2	1	1	yes	yes	1		1	yes	yes	8.0862634	2176		
Xelaev18005292m.g	clock.L	-0.159	0	1	0	1			1		399157	9575	12753	4	1	3	yes	yes	6	2	4	yes	yes	7.6540974	3646		
Xelaev18002130m.g	col12a1.L	-0.159	1	0	0	1	1	1	3	2	108704165	1303	12816	2		2	yes	yes	2	1	1	yes	yes	2.4388035	1987		
Xelaev18026967m.g	enpp1.L	-0.158	0	1	0	1	1	1	3	2	100462923	5167	18605	3	2	1	yes	yes				no	no	19.406204	2798		
Xelaev18029696m.g	tbl1xr1.S	-0.158	0	1	0	1			1		779369	79718	81004	3	1	2	yes	yes	3	1	2	yes	yes	13.486223	3969		
Xelaev18019715m.g	bhlhe41.S	-0.158	0	2	0	2			2			79365	79362	1		1	yes	yes	1	1		yes	yes	5.1197484	5651		
Xelaev18035285m.g	nfrkb.L	-0.158	0	2	0	2			2			4798	235134	1		1	yes	yes	2	1	1	yes	yes	2.5891622	3372		
Xelaev18000372m.g	plpp7.L	-0.158	0	1	0	1			1			84814	227721				no	no	4	1	3	yes	no	2.2060565	1329		
Xelaev18026912m.g	gpr137b.L	-0.158	1	1	0	2			2		446828	7107	83924	2	1	1	yes	yes	1	1		yes	yes	1.4511022	3081		
Xelaev18041025m.g	ryr3.S	-0.157	0	1	1	2			2			6263	20192	1	1		yes	yes				no	no	7.2980083	1259		
Xelaev18009860m.g	mob3a.S	-0.157	0	1	0	1			1			126308	208228	1		1	yes	yes	2	1	1	yes	yes	5.4652817	712		
Xelaev18026780m.g	thbs2.L	-0.157	0	1	2	3			3		779026	7058	21826	3	1	2	yes	yes				no	no	4.0183908	4237		
Xelaev18029605m.g	tprg1.S	-0.157	0	1	0	1			1		494786	285386		1	1		yes	yes				no	no	3.342524	434		
Xelaev18010602m.g	ccdc92.S	-0.157	1	1	1	3			3		108705552	80212	215707	1	1		yes	yes				no	no	2.6037736	3603		
Xelaev18033881m.g	spag1.S	-0.157	0	2	1	3			3		108695390	6674	26942	1	1		yes	yes	1		1	yes	yes	2.5451778	3041		
Xelaev18005077m.g	acox3.L	-0.157	0	1	0	1			1		108697971	8310	80911	1	1		yes	yes	1		1	yes	yes	1.3197702	2887		
Xelaev18027567m.g	tbl1xr1.L	-0.156	0	1	0	1	1		2	1	398608	79718	81004	3	1	2	yes	yes	3	1	2	yes	yes	12.548171	3903		
Xelaev18007961m.g	csnk1g3.L	-0.156	0	1	0	1			1		100036840	1456	70425	3	1	2	yes	yes	2	1	1	yes	yes	10.612316	2265		
Xelaev18012051m.g	eya3.L	-0.156	1	0	0	1			1		735065	2140	14050	2	2		yes	yes	2	1	1	yes	yes	8.8192727	1167		
Xelaev18031352m.g	exoc3.L	-0.156	0	1	0	1			1		108719040	11336	211446				no	no	2	1	1	yes	yes	8.4323776	1000		
Xelaev18020982m.g	nampt.S	-0.156	0	1	0	1			1		398502	10135	59027	4		4	yes	yes	2	1	1	yes	yes	7.0128977	3036		
Xelaev18014273m.g	adamts5.S	-0.156	0	1	0	1	2	1	4	3	108709219	11096	23794	6	2	4	yes	yes	2	2		yes	yes	4.2922803	9172		
Xelaev18023135m.g	cyp4b1.2.L	-0.156	0	1	0	1			1		100036771	1580	13120				no	no	2	1	1	yes	no	3.9309918	1180		
Xelaev18004060m.g	lypla2.S	-0.155	1	0	0	1			1		379246	11313	26394	1	1		yes	yes				no	no	45.332993	1344		yes
Xelaev18017489m.g	metap2.L	-0.155	0	1	0	1			1		380164	10988	56307	5	4	1	yes	yes				no	no	44.449001	665		
Xelaev18007595m.g	specc1l.L	-0.155	1	0	0	1			1		108716028	23384	74392	3	1	2	yes	yes	2	1	1	yes	yes	13.388309	4289		
Xelaev18019961m.g	mf145.S	-0.155	0	1	0	1			1		734353	153830	74315	3	2	1	yes	yes	1	1		yes	yes	4.0296318	1121		
Xelaev18025413m.g	gtf2b.S	-0.155	0	1	0	1			1		494830	2959	229906	1		1	yes	yes	1	1		yes	yes	2.2400248	824		
Xelaev18000039m.g	igf2bp3.S	-0.154	0	1	1	2			2		379623	10643	140488	2	1	1	yes	yes	2	1	1	yes	yes	52.749906	1182		
Xelaev18028931m.g	edaradd.S	-0.154	0	1	0	1			1			128178	171211	1		1	yes	yes	4	2	2	yes	yes	2.9497675	1854		
Xelaev18023327m.g	mtf2.L	-0.154	0	1	0	1	1	1	3	2		22823	17765	2	2		yes	yes	3	2	1	yes	yes	2.3723988	8490		
Xelaev18021175m.g	frs2.S	-0.153	0	1	0	1			1		398273	10818	327826	3	2	1	yes	yes	1	1		yes	yes	4.4768328	2501		yes
Xelaev18013932m.g	rrm1.L	-0.153	0	1	0	1			1		399431	6240	20133	1		1	yes	yes	2	1	1	yes	yes	4.0090319	1325		
Xelaev18013932m.g	rrm1.L	-0.153	0	1	0	1			1			6240	20133	1		1	yes	yes	2	1	1	yes	yes	4.0090319	1325		
Xelaev18041227m.g	ddhd1.S	-0.153	0	1	0	1			1		495273	80821	114874	5	1	4	yes	yes				no	no	1.571232	273		
Xelaev18038474m.g	tnfsf15.L	-0.153	0	1	0	1			1		108698248	9966	326623	4	2	2	yes	yes	2	1	1	yes	yes	1.360306	401		
Xelaev18045012m.g	slc40a1.L	-0.152	1	0	0	1			1		108701484	30061	53945				no	no	3	1	2	yes	yes	45.64218	1572		
Xelaev18017051m.g	diaph1.L	-0.152	1	1	2	4			4		108710882	1729	13367	1	1		yes	yes	1	1		yes	no	12.370005	2831		
Xelaev18009680m.g	bmp2k.S	-0.152	0	1	1	2			2			55589	140780	5	1	4	yes	yes	2	1	1	yes	yes	7.4400888	4924		
Xelaev18006924m.g	tle1.L	-0.152	1	0	0	1			1			7088	21885				no	no	1	1		yes	yes	6.2244981	1517		
Xelaev18026911m.g	ero1b.L	-0.152	0	1	0	1			1			56605	67475	2	1	1	yes	no	2	1	1	yes	no	3.4582001	2350		

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18023489m.g	ivns1abp.L	-0.152	0	1	0	1			1		446327	10625	117198	1		1	yes	yes	1	1		yes	yes	2.5907899	2841		
Xelaev18024996m.g	cnot1.S	-0.151	0	1	0	1			1		108715464	23019	234594	1	1		yes	yes				no	no	20.750132	1904		
Xelaev18021300m.g	nt5dc3.S	-0.151	1	0	0	1			1		444399	51559	103466	3	1	2	yes	yes				no	no	10.450926	1227		
Xelaev18035125m.g	dtx4.L	-0.151	0	1	2	3			3		733196	23220	207521	2	1	1	yes	yes	2	1	1	yes	yes	6.8677948	3413		
Xelaev18017578m.g	usp15.L	-0.151	1	0	1	2			2		108711110	9958	14479	3	2	1	yes	yes	6	4	2	yes	yes	3.7707172	1397		
Xelaev18046129m.g	stau1.S	-0.15	1	1	0	2			2		398937	6780	20853	2	1	1	yes	yes				no	no	29.802599	2309		
Xelaev18040006m.g	nova1.L	-0.15	1	0	0	1			1		444572	4857	664883	5	2	3	yes	yes	6	3	3	yes	yes	10.652383	6897		
Xelaev18016255m.g	tmem123.S	-0.15	0	1	0	1			1		108709981	114908	71929	2	2		yes	yes	2	2		no	yes	7.0985936	3526		
Xelaev18012092m.g	sesn2.L	-0.15	0	1	0	1			1		414641	83667	230784				no	no	2	1	1	yes	yes	6.0311834	997		
Xelaev18045326m.g	usp42.L	-0.15	1	0	0	1		1	2	1		84132	76800	1	1		yes	yes	1	1		yes	yes	3.5055974	2614		
Xelaev18023596m.g	kifap3.L	-0.149	0	1	1	2			2		444460	22920	16579				no	no	1	1		yes	yes	10.168858	896		
Xelaev18006988m.g	secisbp2.L	-0.149	0	2	0	2			2		108714851	79048	75420	1	1		yes	yes	2	1	1	yes	yes	4.8062203	3558		
Xelaev18006825m.g	plgrkt.L	-0.149	0	1	0	1			1			55848	67759	3	1	2	yes	yes				no	no	4.2805649	660		
Xelaev18015328m.g	rbbp7.S	-0.148	0	1	0	1			1			5931	245688	1	1		yes	yes	1	1		yes	yes	11.408666	2226		
Xelaev18036774m.g	prkg1.S	-0.148	0	1	0	1	1		2	1	108697357	5592	19091	3	3		yes	yes				no	no	8.3292174	1571		
Xelaev18003535m.g	mecp2.L	-0.148	0	2	0	2			2		108704791	4204	17257	7	1	6	yes	yes	2	1	1	yes	yes	5.7036363	1603		
Xelaev18017218m.g	csnk1a1.L	-0.147	1	0	0	1			1		379624	1452	93687	4	2	2	yes	yes	3	2	1	yes	yes	105.15841	1107		
Xelaev18006890m.g	zfand5.L	-0.147	1	1	0	2		1	3	1	447639	7763	22682	2	1	1	yes	yes	10	5	5	yes	yes	32.051811	2493		
Xelaev18023999m.g	rpn1.L	-0.147	1	0	0	1			1		398514	6184	103963	1		1	yes	yes	1	1		yes	yes	18.151762	3180		
Xelaev18034032m.g	ndrg1.S	-0.147	0	1	0	1			1		380319	10397	17988				no	no	7	2	5	yes	yes	14.546192	1306		
Xelaev18003931m.g	cpe.L	-0.147	1	0	0	1		1	2	1	100158368	1363	12876	3	1	2	yes	yes				no	no	12.262757	2051		
Xelaev18008517m.g	aqp3.L	-0.147	0	1	0	1			1		108707356	360	11828				no	no	1	1		yes	yes	2.5913796	1142		
Xelaev18022384m.g	rpgrip1l.L	-0.147	0	2	0	2			2		108713976	23322	244585	5	2	3	yes	yes	2	1	1	yes	yes	1.6462185	5635		
Xelaev18047160m.g	ssb.S	-0.146	0	1	0	1			1		394333	6741	20823	2	2		yes	yes	1	1		yes	yes	2.6946924	1209		

Predicted transcripts from "miR-181 targets after filter" list, filtered for the reactome axon guidance pathway (R-HSA-422475), ranked for Target Score

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18017544m.g	frs2.L	-0.428	1	1	0	2			2		380490	10818	327826	3	2	1	yes	yes	1	1		yes	yes	9.0188002	1379		yes
Xelaev18022595m.g	tubb3.L	-0.349	1	1	0	2			2		495319	10381	22152				no	no	2	1	1	yes	yes	3.1025396	1257		yes
Xelaev18014310m.g	itsn1.S	-0.324	1	0	1	2			2		108708868	6453	16443	2	2		yes	yes	2	2		yes	yes	12.265673	2974		yes
Xelaev18017319m.g	unc5a.L	-0.308	1	0	0	1			1			90249	107448	1	1		no	yes	1	1		yes	yes	1.1172835	1145		yes
Xelaev18029935m.g	pik3cb.S	-0.282	1	0	3	4			4		108718190	5291	74769	3	1	2	yes	yes	1		1	yes	yes	2.9717807	4778		yes
Xelaev18041783m.g	l1cam.S	-0.275	1	0	0	1			1		373742	3897	16728	1	1		yes	yes	1	1		yes	yes	2.0738562	3479		yes
Xelaev18046995m.g	myo10.2.S	-0.274	1	0	0	1			1		445000	4651	17909	3	1	2	yes	no				no	no	8.2009463	1244		yes
Xelaev18030118m.g	rhob.S	-0.255	0	1	1	2			2		734999	388	11852				no	no	3	2	1	yes	yes	123.4081	1590		yes
Xelaev18001195m.g	myo9b.S	-0.249	2	0	0	2			2		108703713	4650	17925	1	1		yes	yes	5	3	2	yes	yes	11.523746	3608		yes
Xelaev18042744m.g	hjv.S	-0.243	3	0	0	3			3		108700348	148738	69585	1	1		yes	no	2		2	yes	no	1.8067957	3007		yes
Xelaev18010934m.g	pik3r1.S	-0.223	1	1	1	3			3		399202	5295	18708	2	2		yes	yes	2	1	1	yes	yes	10.866924	5407		yes
Xelaev18010879m.g	arhgef28.S	-0.215	1	0	0	1			1			64283	110596				no	no	1	1		yes	yes	1.6891058	1105		yes
Xelaev18037431m.g	rpl27a.S	-0.205	0	1	0	1			1			6157	26451	6	1	5	yes	yes				no	no	207.02691	778		yes
Xelaev18039822m.g	psma3.L	-0.198	1	0	0	1			1		379935	5684	19167				no	no	1	1		yes	yes	10.531648	2285		yes
Xelaev18039699m.g	hsp90aa1.1.L	-0.193	0	1	0	1			1		444024	3320	15519				no	no	1	1		yes	no	19.334686	187		yes
Xelaev18023456m.g	ptprc.L	-0.187	1	0	0	1			1		394345	5788	19264	1		1	no	yes	2	1	1	yes	yes	4.0718288	2285		yes
Xelaev18039910m.g	sptb.L	-0.186	0	1	0	1			1			6710	20741	3	1	2	yes	yes	1	1		yes	yes	56.611537	3816		yes
Xelaev18012626m.g	lypla2.L	-0.184	1	0	0	1			1		108708277	11313	26394	1	1		yes	yes				no	no	23.064262	1415		yes
Xelaev18014868m.g	mapk14.S	-0.162	0	2	0	2			2		379992	1432	26416	7	3	4	yes	yes	1		1	yes	yes	14.403155	1405		yes
Xelaev18004060m.g	lypla2.S	-0.155	1	0	0	1			1		379246	11313	26394	1	1		yes	yes				no	no	45.332993	1344		yes
Xelaev18021175m.g	frs2.S	-0.153	0	1	0	1			1		398273	10818	327826	3	2	1	yes	yes	1	1		yes	yes	4.4768328	2501		yes

Predicted transcripts from "miR-181 targets after filter" list, filtered for the reactome integrin cell surface interactions pathway (R-HSA-216083), ranked for Target Score

Transcript	Gene symbol	TCS	8mer-1a	7mer-m8	7mer-1a	TS.a-5p	TS.a-1-3p	TS.a-2-3p	TS.miR	TS.3p	Entrez Gene ID	Human Entrez ID	Mouse Entrez ID	h-TS-miR	h-TS-5p	h-TS-3p	tc-h-ID	tc-h-Gn	m-TS-miR	m-TS-5p	m-TS-3p	tc-m-ID	tc-m-Gn	Axon FPKM	Length 3UTR	Integrin Reactome	Axon guidance Reactome
Xelaev18040146m.g	thbs1.L	-0.301	1	2	0	3			3			7057	21825	5	3	2	yes	yes	2		2	yes	yes	257.82862	1790	yes	
Xelaev18018230m.g	fbn1.L	-0.189	0	1	1	2			2			2200	14118	3	1	2	yes	yes				no	no	1.2250878	1450	yes	
Xelaev18014228m.g	col8a1.S	-0.185	1	0	0	1			1		494652	1295	12837				no	no	1	1		yes	yes	2.1876266	3019	yes	
Xelaev18047171m.g	itga6.S	-0.182	0	1	0	1			1		108702994	3655	16403	3	1	2	no	yes	1	1		yes	yes	1.4875861	2463	yes	