

Geneid	ENSEMBL_ID	EG	Symbol	Description	rowname	baseMean	2FoldChang	lfcSE	stat
ENSG00000105473	ENSG00000105473	PPBP	pro-platelet	pro-platelet	ENSG00000105473	239.877	8.40053	0.833453	10.07919
ENSG00000104069	ENSG00000104069	LYZ	lysozyme	lysozyme	ENSG00000104069	110.7465	5.92521	0.771639	7.67873
ENSG000001081027	ENSG000001081027	TUBB1	tubulin bet	tubulin bet	ENSG000001081027	90.82181	7.262257	0.968736	7.496635
ENSG000001064407	ENSG000001064407	RGS18	regulator c	regulator c	ENSG000001064407	75.43592	6.733116	0.963309	6.98957
ENSG00000102215	ENSG00000102215	FCGR3B	Fc fragmer	Fc fragmer	ENSG00000102215	84.33611	6.588353	0.957247	6.882606
ENSG000001026834	ENSG000001026834	RNU4-2	RNA, U4 sn	RNA, U4 sn	ENSG000001026834	427.3292	3.754832	0.557129	6.739612
ENSG00000105166	ENSG00000105166	PDK4	pyruvate d	pyruvate d	ENSG00000105166	1674.565	-3.38133	0.512604	-6.59638
ENSG00000106653	ENSG00000106653	SORL1	sortilin rel	sortilin rel	ENSG00000106653	207.1567	3.849293	0.598059	6.436311
ENSG00000101441	ENSG00000101441	CSF3R	colony stir	colony stir	ENSG00000101441	129.3208	4.233604	0.68163	6.210995
ENSG00000105920	ENSG00000105920	RARRES3	retinoic aci	retinoic aci	ENSG00000105920	82.0422	5.010893	0.812983	6.163592
ENSG00000105788	ENSG00000105788	PTPRC	protein tyr	protein tyr	ENSG00000105788	153.1708	4.4347	0.720252	6.15715
ENSG00000103687	ENSG00000103687	ITGAX	integrin su	integrin su	ENSG00000103687	78.15538	4.755791	0.794023	5.98949
ENSG00000104283	ENSG00000104283	CXCL9	C-X-C moti	C-X-C moti	ENSG00000104283	50.06266	7.144654	1.205065	5.928856
ENSG0000010567	ENSG0000010567	B2M	beta-2-mic	beta-2-mic	ENSG0000010567	2256.073	2.963729	0.507606	5.838641
ENSG0000010677832	ENSG0000010677832	SNORA53	small nucle	small nucle	ENSG0000010677832	110.2603	3.932069	0.696327	5.646873
ENSG00000105196	ENSG00000105196	PF4	platelet fac	platelet fac	ENSG00000105196	37.68383	9.760338	1.748324	5.582683
ENSG00000105265	ENSG00000105265	SERPINA1	serpin fam	serpin fam	ENSG00000105265	59.89492	4.802359	0.871802	5.508543
ENSG00000104332	ENSG00000104332	MNDA	myeloid ce	myeloid ce	ENSG00000104332	47.47045	5.473373	1.018793	5.372411
ENSG00000106772	ENSG00000106772	STAT1	signal tran	signal tran	ENSG00000106772	269.5342	3.044607	0.574013	5.30407
ENSG00000109750	ENSG00000109750	RIPOR2	RHO family	RHO family	ENSG00000109750	45.7903	5.243958	1.000947	5.238995
ENSG00000103579	ENSG00000103579	CXCR2	C-X-C moti	C-X-C moti	ENSG00000103579	37.54468	5.962701	1.149027	5.189348
ENSG00000108972	ENSG00000108972	MGAM	maltase-gli	maltase-gli	ENSG00000108972	49.99178	4.85242	0.936817	5.179687
ENSG00000102533	ENSG00000102533	FYB1	FYN bindin	FYN bindin	ENSG00000102533	87.27593	4.4138	0.866346	5.094728
ENSG00000105742	ENSG00000105742	PTGS1	prostaglan	prostaglan	ENSG00000105742	63.51495	4.173945	0.827344	5.04499
ENSG0000010692086	ENSG0000010692086	SNORD17	small nucle	small nucle	ENSG0000010692086	468.0769	2.76734	0.550088	5.030725
ENSG00000106402	ENSG00000106402	SELL	selectin L	selectin L	ENSG00000106402	40.77732	4.997357	1.031525	4.844631
ENSG00000105874	ENSG00000105874	RAB27B	RAB27B, m	RAB27B, m	ENSG00000105874	23.38996	9.07228	1.873194	4.843215
ENSG00000109402	ENSG00000109402	GRAP2	GRB2 relat	GRB2 relat	ENSG00000109402	32.85081	6.040045	1.248	4.839778
ENSG000001058	ENSG000001058	ACTA1	actin, alph	actin, alph	ENSG000001058	812.1414	2.655435	0.55242	4.806911
ENSG00000104688	ENSG00000104688	NCF2	neutrophil	neutrophil	ENSG00000104688	53.9925	4.200604	0.883601	4.753959
ENSG000001056911	ENSG000001056911	MAP3K7CL	MAP3K7 C	MAP3K7 C	ENSG000001056911	33.4048	8.122756	1.726996	4.703403
ENSG00000102321	ENSG00000102321	FLT1	fms relatec	fms relatec	ENSG00000102321	567.0308	-2.86585	0.610324	-4.69562
ENSG00000104900	ENSG00000104900	NRGN	neurograni	neurograni	ENSG00000104900	28.41445	6.891858	1.474168	4.675083
ENSG000001051411	ENSG000001051411	BIN2	bridging in	bridging in	ENSG000001051411	38.26266	4.809893	1.032957	4.656432
ENSG000001064744	ENSG000001064744	SMAP2	small ArfG	small ArfG	ENSG000001064744	122.4784	3.153248	0.677808	4.652125
ENSG00000103674	ENSG00000103674	ITGA2B	integrin su	integrin su	ENSG00000103674	27.97214	6.292325	1.35719	4.636289
ENSG000001056999	ENSG000001056999	ADAMTS9	ADAM met	ADAM met	ENSG000001056999	175.5257	-3.30584	0.713552	-4.63293
ENSG0000010115362	ENSG0000010115362	GBP5	guanylate I	guanylate I	ENSG0000010115362	37.93205	4.984032	1.079696	4.616144
ENSG0000010115361	ENSG0000010115361	GBP4	guanylate I	guanylate I	ENSG0000010115361	118.569	3.049148	0.668379	4.562006
ENSG00000105350	ENSG00000105350	PLN	phospholai	phospholai	ENSG00000105350	1815.501	2.200333	0.48244	4.56084
ENSG00000104542	ENSG00000104542	MYO1F	myosin IF	myosin IF	ENSG00000104542	53.42701	4.148099	0.913549	4.540644
ENSG00000103690	ENSG00000103690	ITGB3	integrin su	integrin su	ENSG00000103690	41.93762	4.423534	0.978232	4.521969
ENSG00000103105	ENSG00000103105	HLA-A	major histc	major histc	ENSG00000103105	398.2708	2.428527	0.537136	4.521249
ENSG00000105577	ENSG00000105577	PRKAR2B	protein kin	protein kin	ENSG00000105577	88.17165	3.31113	0.732838	4.51823
ENSG0000010120425	ENSG0000010120425	JAML	junction ac	junction ac	ENSG0000010120425	35.60702	5.278943	1.176091	4.48855
ENSG00000102357	ENSG00000102357	FPR1	formyl pep	formyl pep	ENSG00000102357	57.40956	4.229814	0.946016	4.471188

ENSG0000017850	IL1R2	interleukin	ENSG00000144.81663	4.643597	1.039106	4.468837
ENSG0000013113	HLA-DPA1	major histc	ENSG000001162.2149	3.003357	0.677155	4.43526
ENSG0000018794	TNFRSF10C	TNF recept	ENSG00000129.89384	5.397864	1.221705	4.418303
ENSG0000016556	SLC11A1	solute carr	ENSG00000159.10788	3.848767	0.879586	4.375659
ENSG0000010229754			ENSG00000116.89275	8.602792	1.993159	4.31616
ENSG0000012214	FCGR3A	Fc fragmer	ENSG00000167.68857	4.177899	0.969643	4.308699
ENSG0000012633	GBP1	guanylate l	ENSG00000169.14756	3.445135	0.804661	4.281474
ENSG0000017114	TMSB4X	thymosin b	ENSG000001667.5798	2.248545	0.53185	4.227783
ENSG000001120892	LRRK2	leucine ric	ENSG000001117.4889	2.875014	0.684046	4.202954
ENSG0000012167	FABP4	fatty acid b	ENSG000001104.7242	-3.69248	0.88551	-4.16989
ENSG000001677775	SCARNA5	small Cajal	ENSG000001184.04	2.651207	0.639829	4.14362
ENSG000001366	AQP9	aquaporin	ENSG00000131.76545	4.52125	1.092494	4.138466
ENSG0000013689	ITGB2	integrin su	ENSG00000162.18987	3.564912	0.862411	4.133657
ENSG0000017940	LST1	leukocyte s	ENSG00000114.94359	8.425912	2.047427	4.115367
ENSG0000015795	PTPRJ	protein tyr	ENSG00000181.84328	3.017096	0.739369	4.080637
ENSG0000013106	HLA-B	major histc	ENSG000001576.8253	2.164177	0.532744	4.062323
ENSG0000015579	PRKCB	protein kin	ENSG00000138.57732	4.072258	1.004268	4.054952
ENSG000001378707	RN7SL3	RNA, 7SL, c	ENSG000001204.087	2.885956	0.715577	4.033049
ENSG00000127071	DAPP1	dual adapt	ENSG00000123.83893	5.323657	1.32367	4.021892
ENSG00000151311	TLR8	toll like rec	ENSG00000123.83893	5.323657	1.32367	4.021892
ENSG0000013122	HLA-DRA	major histc	ENSG000001298.8041	2.73688	0.688368	3.975899
ENSG0000014635	MYL4	myosin lig	ENSG00000165.9446	3.162358	0.796351	3.971058
ENSG0000012157	F8	coagulation	ENSG000001573.4939	-2.21122	0.557005	-3.96984
ENSG000001100287029	DDX11L10	DEAD/H-bc	ENSG00000113.64414	8.294667	2.091303	3.966268
ENSG00000126835	RNU4-1	RNA, U4 sn	ENSG00000178.32971	3.353777	0.852107	3.935861
ENSG00000184033	OBSCN	obscurin, c	ENSG000001868.4722	-2.00559	0.512249	-3.91527
ENSG0000012681	GGTA1P	glycoprote	ENSG00000159.56875	3.286123	0.844113	3.892992
ENSG0000013577	CXCR1	C-X-C moti	ENSG00000124.04635	5.071997	1.304014	3.889526
ENSG0000014084	MXD1	MAX dime	ENSG00000161.02029	3.281952	0.848296	3.868874
ENSG00000164581	CLEC7A	C-type lect	ENSG00000136.7966	3.900676	1.0104	3.860528
ENSG00000126821	SNORA74A	small nucle	ENSG00000139.67601	3.722378	0.96612	3.852913
ENSG00000181704	DOCK8	dedicator c	ENSG00000160.05146	3.201764	0.836994	3.825312
ENSG00000130817	ADGRE2	adhesion G	ENSG00000127.91721	4.702355	1.232875	3.814137
ENSG0000017450	VWF	von Willeb	ENSG0000011390.244	-1.93119	0.506702	-3.8113
ENSG000001400499	LOC400499	vitellogenin	ENSG00000121.30165	5.110939	1.34274	3.806351
ENSG000001200315	APOBEC3A	apolipopro	ENSG00000112.3447	8.150276	2.143364	3.802563
ENSG000001139105	BEND2	BEN domai	ENSG00000112.3447	8.150276	2.143364	3.802563
ENSG000001201799	TMEM154	transmem	ENSG00000132.48828	4.19785	1.106013	3.79548
ENSG0000013485	IGFBP2	insulin like	ENSG00000162.94238	3.048632	0.803829	3.792637
ENSG0000013117	HLA-DQA1	major histc	ENSG00000147.82146	3.42914	0.91232	3.758703
ENSG00000157644	MYH7B	myosin he	ENSG000001220.4971	-2.36671	0.630632	-3.75292
ENSG00000126253	CLEC4E	C-type lect	ENSG00000117.36919	6.164079	1.647312	3.741902
ENSG000001150372	NFAM1	NFAT activ	ENSG00000129.90051	4.348953	1.162232	3.741899
ENSG0000019770	RASSF2	Ras associ	ENSG00000166.30895	3.204617	0.85878	3.731591
ENSG0000015159	PDGFRB	platelet de	ENSG000001163.7542	-2.53678	0.684307	-3.70709
ENSG00000181575	APOLD1	apolipopro	ENSG000001202.9101	-2.86797	0.773682	-3.70691
ENSG000001338	APOB	apolipopro	ENSG000001188.7479	-2.83546	0.765249	-3.70528

ENSG0000015549	PRELP	proline anc	ENSG00000129.7864	-2.72947	0.738958	-3.69367
ENSG0000019172	MYOM2	myomesin	ENSG0000011948.413	-1.87372	0.509116	-3.68035
ENSG0000012268	FGR	FGR proto-	ENSG00000141.98953	3.873071	1.05676	3.665042
ENSG0000012219	FCN1	ficolin 1	ENSG00000130.774	4.342207	1.188488	3.653556
ENSG0000012192	FBLN1	fibulin 1	ENSG000001140.4858	-3.09088	0.847742	-3.64601
ENSG0000013164	NR4A1	nuclear rec	ENSG00000169.03609	-4.10352	1.129717	-3.63235
ENSG00000125801	GCA	grancalcin	ENSG00000145.53684	3.2584	0.905523	3.598363
ENSG00000126831	RNU5A-1	RNA, U5A s	ENSG00000125.58735	4.378746	1.218963	3.592188
ENSG0000015997	RGS2	regulator c	ENSG00000149.39659	3.150489	0.88345	3.566121
ENSG0000018048	CSRP3	cysteine ar	ENSG000001587.5175	1.866065	0.525371	3.551901
ENSG000001160364	CLEC12A	C-type lect	ENSG00000116.78106	6.037035	1.702178	3.546653
ENSG0000012352	FOLR3	folate rece	ENSG00000110.39554	7.902345	2.242719	3.523556
ENSG00000110788	IQGAP2	IQ motif cc	ENSG00000151.30194	3.08767	0.885249	3.487911
ENSG00000128965	SLC27A6	solute carr	ENSG000001116.4893	2.988688	0.857896	3.483743
ENSG0000013437	IFIT3	interferon	ENSG00000160.84217	3.093268	0.889255	3.478495
ENSG00000126768	SNORA73B	small nucle	ENSG000001117.0628	2.572558	0.740948	3.471982
ENSG0000010274536			ENSG00000115.35842	6.056741	1.753798	3.4535
ENSG00000153829	P2RY13	purinergic	ENSG00000118.37215	5.313095	1.539873	3.450345
ENSG000001153579	BTNL9	butyrophili	ENSG000001107.3453	-2.67447	0.776367	-3.44485
ENSG0000014067	LYN	LYN proto-	ENSG00000158.3279	2.819019	0.829143	3.399917
ENSG000001378938	MALAT1	metastasis	ENSG00000111048.98	-1.60752	0.473433	-3.39545
ENSG00000180739	MPIG6B	megakaryoc	ENSG00000114.7087	5.994066	1.775713	3.375582
ENSG000001340205	TREML1	triggering r	ENSG00000114.7087	5.994066	1.775713	3.375582
ENSG0000012212	FCGR2A	Fc fragmer	ENSG00000166.0351	3.139358	0.933855	3.36172
ENSG0000010238273			ENSG00000172.58929	-3.13837	0.94101	-3.33511
ENSG0000013684	ITGAM	integrin su	ENSG00000139.90122	3.444863	1.03296	3.334943
ENSG0000012124	EVI2B	ecotropic v	ENSG00000123.31908	4.030848	1.208971	3.334115
ENSG00000130819	KCNIP2	potassium	ENSG000001201.6129	-2.12004	0.636281	-3.33193
ENSG0000014536	ND2	MTND2	ENSG0000016005.91	-1.59975	0.480153	-3.33176
ENSG00000156892	TCIM	transcripti	ENSG00000187.02844	-3.68602	1.106399	-3.33154
ENSG00000126832	RNU5B-1	RNA, U5B s	ENSG00000123.94617	4.127853	1.240138	3.328542
ENSG00000180830	APOL6	apolipopro	ENSG000001139.8772	2.423533	0.729302	3.323087
ENSG00000184171	LOXL4	lysyl oxida	ENSG00000118.32206	4.573066	1.378614	3.317148
ENSG00000157580	PREX1	phosphatic	ENSG000001106.1801	2.287794	0.690705	3.312258
ENSG0000012185	PTK2B	protein tyr	ENSG00000146.92718	3.017586	0.914701	3.298986
ENSG0000013059	HCLS1	hematopoi	ENSG00000172.172	2.626112	0.796925	3.295305
ENSG0000014538	ND4	NADH deh	ENSG00000125100.9	-1.60859	0.489712	-3.28477
ENSG00000110666	CD226	CD226 mol	ENSG00000124.70274	4.047284	1.237051	3.27172
ENSG0000011130	LYST	lysosomal	ENSG000001134.0145	2.14134	0.655448	3.266984
ENSG00000110326	SIRPB1	signal regu	ENSG00000114.328	5.297234	1.629535	3.250764
ENSG0000018875	VNN2	vanin 2	ENSG00000124.38364	3.85022	1.186547	3.244895
ENSG000001100996724	LOC100996	phosphodi	ENSG000001256.6693	-1.9238	0.593701	-3.24034
ENSG0000018553	BHLHE40	basic helix-	ENSG000001116.2763	-2.44936	0.756243	-3.23885
ENSG0000010253190			ENSG00000112.61372	6.682292	2.065984	3.234436
ENSG000001313	AOAH	acyloxyacy	ENSG00000118.52948	4.36652	1.352862	3.227616
ENSG000001963	CD53	CD53 mole	ENSG00000139.09417	3.641699	1.134648	3.209541
ENSG0000016890	TAP1	transporte	ENSG00000164.05402	2.740466	0.854558	3.206881

ENSG0000012723	TTN	titin	ENSG0000012367.762	-1.53897	0.481548	-3.19588
ENSG0000014519	CYTB	cytochrom	ENSG00000112028.65	-1.58991	0.497705	-3.19448
ENSG00000127202	C5AR2	compleme	ENSG00000112.82114	5.710151	1.787545	3.19441
ENSG000001643837	LINC01128	long interg	ENSG00000175.58496	-3.19817	1.006562	-3.17732
ENSG00000111240	PADI2	peptidyl ar	ENSG00000117.73393	4.478473	1.412342	3.170955
ENSG0000013371	TNC	tenascin C	ENSG00000155.86372	2.632082	0.830104	3.170786
ENSG0000014071	TM4SF1	transmeml	ENSG000001170.5699	-2.06623	0.652502	-3.16662
ENSG0000017305	TYROBP	TYRO prote	ENSG00000130.65263	3.460115	1.094946	3.160077
ENSG00000132	ACACB	acetyl-CoA	ENSG000001410.7721	-1.72624	0.546648	-3.15787
ENSG0000013908	LAMA2	laminin su	ENSG000001912.9593	-1.65983	0.529508	-3.13466
ENSG000001101	ADAM8	ADAM met	ENSG00000114.2664	5.361117	1.710408	3.134409
ENSG0000014301	AFDN	afadin, adh	ENSG000001222.9315	-1.92143	0.614976	-3.12439
ENSG00000127128	CYTH4	cytohesin 4	ENSG00000147.93459	3.374097	1.080083	3.123925
ENSG0000016696	SPP1	secreted pl	ENSG00000139.77357	2.995195	0.960654	3.117869
ENSG000001115727	RASGRP4	RAS guanyl	ENSG00000114.53542	4.901973	1.575042	3.112281
ENSG00000123345	SYNE1	spectrin re	ENSG000001763.2188	-1.58305	0.510657	-3.10003
ENSG00000110395	DLC1	DLC1 Rho C	ENSG000001179.257	-1.98194	0.642189	-3.08622
ENSG000001440993	MIR570HG	MIR570 ho	ENSG00000191.20716	-2.70674	0.87875	-3.08022
ENSG0000012034	EPAS1	endothelia	ENSG000001553.271	-1.62191	0.526757	-3.07904
ENSG00000164231	MS4A6A	membrane	ENSG00000169.21949	2.728991	0.889464	3.068128
ENSG0000014697	NDUFA4	NDUFA4, n	ENSG000001431.6071	1.625453	0.530179	3.065859
ENSG00000111067	DEPP1	DEPP1, aut	ENSG000001193.3914	-2.44862	0.79906	-3.06438
ENSG0000015116	PCNT	pericentrin	ENSG000001142.7474	-2.48805	0.813865	-3.05708
ENSG0000019180	OSMR	oncostatin	ENSG000001141.9177	-2.47889	0.812947	-3.04927
ENSG0000014539	ND4L	NADH deh	ENSG0000012866.979	-1.4843	0.488763	-3.03686
ENSG0000012022	ENG	endoglin	ENSG000001211.1184	-2.04914	0.676676	-3.02825
ENSG0000015552	SRGN	serglycin	ENSG000001126.8843	1.961051	0.650746	3.013543
ENSG000001144423	GLT1D1	glycosyltra	ENSG00000111.5217	5.549159	1.843804	3.009625
ENSG0000016387	CXCL12	C-X-C moti	ENSG000001243.6147	-1.8735	0.623093	-3.00677
ENSG0000019021	SOCS3	suppressor	ENSG00000149.05718	-3.59737	1.198859	-3.00066
ENSG0000012273	FHL1	four and a	ENSG000001911.224	1.566276	0.523993	2.989114
ENSG00000164167	ERAP2	endoplasm	ENSG00000144.62334	3.16265	1.059579	2.984817
ENSG00000111119	BTN3A1	butyrophili	ENSG00000149.44406	2.577276	0.864967	2.979622
ENSG0000016084	RNY1	RNA, Ro-as	ENSG00000131.40959	3.060514	1.033481	2.961364
ENSG0000017739	ZNF185	zinc finger	ENSG00000124.67528	3.697985	1.250748	2.956618
ENSG0000013683	ITGAL	integrin su	ENSG00000119.15173	3.886107	1.314448	2.956456
ENSG00000123524	SRRM2	serine/argi	ENSG000001698.2271	-1.55822	0.527978	-2.9513
ENSG0000015777	PTPN6	protein tyr	ENSG00000126.65857	3.511737	1.19174	2.94673
ENSG0000019077	DIRAS3	DIRAS fami	ENSG00000116.64191	4.155186	1.410285	2.946346
ENSG0000013123	HLA-DRB1	major histc	ENSG000001103.4184	2.123939	0.722449	2.939914
ENSG00000123263	MCF2L	MCF.2 cell	ENSG00000169.73656	-2.63452	0.896588	-2.93838
ENSG00000151316	PLAC8	placenta s	ENSG0000017.146933	7.361769	2.508854	2.934316
ENSG00000154979	HRASLS2	HRAS like s	ENSG0000017.146933	7.361769	2.508854	2.934316
ENSG000001400696	LGALS17A	galectin 14	ENSG0000017.146933	7.361769	2.508854	2.934316
ENSG000001729359	PLIN4	perilipin 4	ENSG000001417.2625	-2.00732	0.684241	-2.93364
ENSG000001340359	KLHL38	kelch like f	ENSG00000150.18713	-3.19458	1.08998	-2.93086
ENSG00000179670	TUT7	terminal ur	ENSG00000199.61683	2.032021	0.694656	2.92522

ENSG0000013115	HLA-DPB1	major histocompatibility class II protein	70.89035	2.517131	0.860534	2.92508
ENSG00000123347	SMCHD1	structural maintenance of chromosomes 1	187.4244	1.751246	0.600301	2.917282
ENSG00000189790	SIGLEC10	sialic acid binding lectin 10	9.953236	6.393189	2.195815	2.911534
ENSG0000014210	MEFV	Mediterranean fever, pyrexia	16.45712	4.26185	1.471915	2.895445
ENSG0000019051	PSTPIP1	proline-serine-rich protein 1	17.64487	3.91339	1.356824	2.884228
ENSG0000014600	MX2	myxovirus (influenza) x protein 2	41.00697	2.666653	0.926529	2.87811
ENSG000001201294	UNC13D	unc-13 homolog D	16.84933	3.979178	1.383496	2.876175
ENSG0000014540	ND5	NADH dehydrogenase subunit 5	9915.215	-1.37459	0.477926	-2.87616
ENSG0000013481	IGF2	insulin-like growth factor 2	275.6554	-2.07404	0.721672	-2.87394
ENSG0000018404	SPARCL1	SPARC-like protein 1	1500.889	-1.4139	0.493084	-2.86747
ENSG000001339906	PRSS42	serine protease 42	44.55557	-3.45194	1.204713	-2.86537
ENSG0000018714	ABCC3	ATP-binding cassette, subfamily C, member 3	12.31724	5.144191	1.797701	2.861538
ENSG0000018924	HERC2	HECT and E3 ubiquitin-protein transferase 2	207.268	-1.76171	0.617471	-2.85311
ENSG0000017277	TUBA4A	tubulin alpha-4 class A	56.02771	2.355888	0.826603	2.850083
ENSG00000110288	LILRB2	leukocyte immunoglobulin-like receptor 2	17.58327	3.943304	1.385565	2.84599
ENSG000001100507	LOC100507	uncharacterized protein	21.40405	3.493846	1.227943	2.845285
ENSG000001409	ARRB2	arrestin beta 2	55.19281	2.51193	0.885944	2.835316
ENSG0000016303	SAT1	spermidine/spermin N-acetyltransferase 1	150.1485	1.780041	0.630298	2.824124
ENSG00000123214	XPO6	exportin 6	84.93821	2.041668	0.72387	2.82049
ENSG00000181848	SPRY4	sprouty RTK signaling inhibitor 4	47.68804	-3.118	1.106985	-2.81666
ENSG00000164859	NABP1	nucleic acid binding protein 1	42.07114	2.874903	1.021249	2.815085
ENSG000001780851	SNORD3A	small nucleolar RNA 3A	2775.714	3.536096	1.256694	2.813808
ENSG0000013791	KDR	kinase insert region domain containing	174.3746	-1.93563	0.68883	-2.81002
ENSG0000014033	LRMP	lymphoid restricted myeloid protein	14.36213	4.233291	1.50671	2.809626
ENSG00000111024	LILRA1	leukocyte immunoglobulin-like receptor A1	10.22225	5.367982	1.911431	2.808357
ENSG00000123406	COTL1	coactosin-like protein 1	32.36246	2.850991	1.016813	2.803849
ENSG000001219285	SAMD9L	sterile alpha and TIRAP domain containing 9L	65.32861	2.195714	0.784818	2.797736
ENSG0000016404	SELPLG	selectin P ligand	26.32796	3.630615	1.297988	2.79711
ENSG000001330	BIRC3	baculoviral inhibitor of cell death 3	65.8537	2.301098	0.823687	2.793655
ENSG00000164218	SEMA4A	semaphorin 4A	15.21927	4.094285	1.465752	2.7933
ENSG0000014311	MME	membrane metalloprotease	22.46861	3.365433	1.206709	2.788935
ENSG000001117248	GALNT15	polypeptide N-galactosyltransferase 15	69.47003	-2.63059	0.945224	-2.78303
ENSG0000019507	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motifs 4	52.00721	-2.9062	1.046104	-2.77811
ENSG0000017422	VEGFA	vascular endothelial growth factor A	233.7686	-1.91841	0.690666	-2.77762
ENSG00000157007	ACKR3	atypical chemokine receptor 3	22.24038	-6.53635	2.355575	-2.77484
ENSG00000191351	DDX60L	DEAD/H-box polypeptide 60L	84.65807	2.007981	0.726146	2.765256
ENSG00000111151	CORO1A	coronin 1A	20.74282	3.796717	1.373153	2.764963
ENSG00000179987	SVEP1	sushi, von Willebrand factor type 1 domain containing 1	179.8145	-1.83692	0.665208	-2.76143
ENSG0000019262	STK17B	serine/threonine kinase 17B	56.40319	2.478278	0.898044	2.75964
ENSG00000110875	FGL2	fibrinogen-like protein 2	73.43548	2.098771	0.764771	2.744314
ENSG000001285533	RNF175	ring finger protein 175	10.16066	5.454768	1.991353	2.739227
ENSG00000129887	SNX10	sorting nexin 10	15.15767	4.132318	1.515223	2.727202
ENSG0000012257	FGF12	fibroblast growth factor 12	317.7954	1.493491	0.547847	2.726109
ENSG00000179689	STEAP4	STEAP4 metallopeptidase	182.382	-2.01145	0.738342	-2.72428
ENSG000001118788	PIK3AP1	phosphoinositide-dependent kinase-1 activator 1	42.21696	2.850792	1.046668	2.723684
ENSG00000180230	RUFY1	RUN and FGF signaling domain containing 1	64.92005	2.220465	0.816334	2.720044
ENSG00000110579	TACC2	transformin domain containing 2	767.5583	-1.40143	0.515496	-2.71861

ENSG000001221395	ADGRF5	adhesion G	ENSG000001334.8606	-1.53115	0.565142	-2.70931
ENSG0000013988	LIPA	lipase A, ly	ENSG00000171.82281	2.132602	0.787579	2.707794
ENSG0000011901	S1PR1	sphingosin	ENSG000001114.5821	-1.96612	0.726417	-2.70659
ENSG00000155016	MARCH1	membrane	ENSG00000129.15244	3.005651	1.110764	2.705932
ENSG00000156243	KIAA1217	KIAA1217	ENSG000001117.6881	-1.93082	0.714259	-2.70324
ENSG0000011794	DOCK2	dedicator c	ENSG00000160.99649	2.620966	0.97002	2.701971
ENSG0000014666	NACA	nascent po	ENSG000001619.7511	-1.4218	0.526304	-2.70147
ENSG0000014051	CYP4F3	cytochrom	ENSG0000019.572532	5.268109	1.950709	2.700613
ENSG0000012867	FFAR2	free fatty a	ENSG0000019.572532	5.268109	1.950709	2.700613
ENSG000001235050			ENSG00000140.45244	-3.30592	1.225661	-2.69726
ENSG0000015740	PTGIS	prostaglan	ENSG00000195.08313	-2.12902	0.789448	-2.69685
ENSG0000017097	TLR2	toll like rec	ENSG00000151.47221	2.728461	1.012077	2.695902
ENSG0000015210	PFKFB4	6-phospho	ENSG00000112.91687	4.281749	1.589502	2.693767
ENSG00000180709	AKNA	AT-hook tr	ENSG00000146.69451	2.384772	0.885789	2.692257
ENSG000001272053			ENSG0000018.715392	6.125028	2.276213	2.690885
ENSG0000013659	IRF1	interferon	ENSG00000160.15792	2.23087	0.829274	2.690147
ENSG000001267784			ENSG00000140.16459	-3.2915	1.224684	-2.68763
ENSG0000011958	EGR1	early grow	ENSG00000144.83321	-3.02086	1.124856	-2.68556
ENSG00000130846	EHD2	EH domain	ENSG00000148.84061	-2.80965	1.053989	-2.66573
ENSG000001477	ATP1A2	ATPase Na	ENSG000001437.4508	-1.4361	0.540474	-2.65711
ENSG00000185464	SSH2	slingshot p	ENSG000001200.2863	1.566216	0.589514	2.656794
ENSG00000123765	IL17RA	interleukin	ENSG00000161.09928	2.228364	0.840368	2.651651
ENSG00000189846	FGD3	FYVE, Rho	ENSG00000116.61445	3.61892	1.369615	2.642291
ENSG00000179625	NDNF	neuron der	ENSG00000131.82546	-4.58332	1.736766	-2.639
ENSG0000013397	ID1	inhibitor o	ENSG00000132.81103	-4.62635	1.753729	-2.63801
ENSG0000015197	PF4V1	platelet fac	ENSG0000015.84749	7.072257	2.682827	2.636121
ENSG0000013627	CXCL10	C-X-C moti	ENSG0000015.84749	7.072257	2.682827	2.636121
ENSG000001838	CASP5	caspase 5	ENSG0000015.84749	7.072257	2.682827	2.636121
ENSG0000014855	NOTCH4	notch 4	ENSG00000172.04668	-2.33649	0.88645	-2.63578
ENSG0000011831	TSC22D3	TSC22 dom	ENSG000001170.1713	1.62625	0.616993	2.635767
ENSG000001427	ASAH1	N-acylsph	ENSG000001716.6783	1.339154	0.510626	2.622575
ENSG0000015724	PTAFR	platelet ac	ENSG00000118.51352	3.430887	1.312527	2.613955
ENSG0000012152	F3	coagulation	ENSG00000146.6218	2.298886	0.882223	2.605789
ENSG00000184281	C2orf88	chromosom	ENSG00000156.54979	2.152332	0.826154	2.605242
ENSG00000110418	SPON1	spondin 1	ENSG00000118.53195	-6.28088	2.411153	-2.60493
ENSG0000014535	ND1	NADH dehy	ENSG00000111747.61	-1.27053	0.488708	-2.59977
ENSG0000014046	LSP1	lymphocyt	ENSG00000138.0096	2.613194	1.006867	2.595371
ENSG00000184166	NLRC5	NLR family	ENSG00000152.10153	2.290148	0.882577	2.594841
ENSG0000014508	ATP6	ATP syntha	ENSG00000115576.8	-1.37177	0.529512	-2.59063
ENSG0000014607	MYBPC3	myosin bin	ENSG0000012488.988	-1.2775	0.493433	-2.58901
ENSG000001100526835	FPGT-TNNI	FPGT-TNNI	ENSG00000117.66709	-6.20537	2.396886	-2.58893
ENSG00000155679	LIMS2	LIM zinc fir	ENSG00000155.53294	-2.48655	0.960508	-2.58878
ENSG00000110261	IGSF6	immunoglob	ENSG00000127.04595	3.133342	1.210992	2.587417
ENSG0000014356	MPP3	membrane	ENSG00000156.95846	-2.52848	0.978033	-2.58527
ENSG0000015880	RAC2	Rac family	ENSG00000117.34839	3.608157	1.395923	2.584782
ENSG000001947	CD34	CD34 mole	ENSG000001140.704	-1.75101	0.678037	-2.58248
ENSG0000014035	LRP1	LDL recept	ENSG000001814.7502	-1.45031	0.56381	-2.57234

ENSG00000151330	TNFRSF12/ TNF recept	ENSG00000116.82186	3.491769	1.358958	2.569445
ENSG00000181671	VMP1 vacuole m	ENSG000001112.3889	1.765884	0.688466	2.564956
ENSG0000019938	ARHGAP25 Rho GTPas	ENSG00000130.76654	2.660814	1.037857	2.563757
ENSG00000123533	PIK3R5 phosphoin	ENSG00000124.20551	3.282218	1.28097	2.562291
ENSG0000018876	VNN1 vanin 1	ENSG0000019.779951	4.715381	1.845169	2.555529
ENSG0000012845	GPR22 G protein-c	ENSG00000137.15246	2.612924	1.023316	2.553388
ENSG00000110320	IKZF1 IKAROS far	ENSG00000129.82479	3.033009	1.193312	2.541673
ENSG0000018635	RNASET2 ribonuclea	ENSG00000118.86676	3.251408	1.280252	2.539662
ENSG00000123531	MMD monocyte	ENSG00000129.971	2.651955	1.044552	2.538845
ENSG000001306	ANXA3 annexin A3	ENSG00000163.6963	-2.48962	0.981124	-2.53752
ENSG00000185358	SHANK3 SH3 and m	ENSG00000142.2461	-2.9338	1.157161	-2.53534
ENSG000001283383	ADGRD1 adhesion G	ENSG000001126.0885	-1.75759	0.693961	-2.53269
ENSG0000017058	THBS2 thrombosp	ENSG00000163.01977	-2.28839	0.905492	-2.52723
ENSG000001677841	SNORA74B small nucle	ENSG00000139.60735	2.379975	0.943797	2.521703
ENSG0000013635	INPP5D inositol pol	ENSG00000141.27076	2.738061	1.087569	2.517597
ENSG0000018641	PCDHGB4 protocadhe	ENSG00000116.20509	-6.08512	2.418595	-2.51597
ENSG0000011910	EDNRB endothelin	ENSG00000189.13585	-2.02458	0.804788	-2.51567
ENSG0000016039	RNASE6 ribonuclea	ENSG00000113.27011	3.873344	1.540435	2.514448
ENSG00000155843	ARHGAP15 Rho GTPas	ENSG00000117.88642	3.331758	1.326147	2.51236
ENSG0000017148	TNXB tenascin Xf	ENSG000001236.9858	-1.55553	0.619279	-2.51183
ENSG00000125893	TRIM58 tripartite n	ENSG00000115.16918	3.591698	1.430975	2.509966
ENSG00000151291	GMIP GEM intera	ENSG00000115.16918	3.591698	1.430975	2.509966
ENSG0000016262	RYR2 ryanodine	ENSG0000018386.032	-1.43948	0.575243	-2.50239
ENSG000001219972	MPEG1 macrophag	ENSG00000153.68556	2.668088	1.066948	2.500673
ENSG000001397	ARHGDIB Rho GDP d	ENSG000001102.455	1.715675	0.686201	2.500252
ENSG0000011378	CR1 compleme	ENSG00000135.22069	2.620531	1.051829	2.491405
ENSG00000158475	MS4A7 membrane	ENSG00000139.93273	2.44075	0.980894	2.48829
ENSG00000157674	RNF213 ring finger	ENSG000001374.3247	1.341039	0.540309	2.481983
ENSG00000123195	MDN1 midasin A	ENSG000001205.693	-1.51973	0.612999	-2.47918
ENSG000001378706	RN7SL2 RNA, 7SL, c	ENSG00000127943.05	1.166591	0.47091	2.477309
ENSG0000011363	CPE carboxypep	ENSG00000169.39784	-2.12206	0.859065	-2.4702
ENSG000001728262	FAM157A family with	ENSG0000015.197769	6.902328	2.796325	2.468357
ENSG000001653361	NCF1 neutrophil	ENSG0000015.197769	6.902328	2.796325	2.468357
ENSG00000184519	ACRBP acrosin bin	ENSG0000015.197769	6.902328	2.796325	2.468357
ENSG00000191662	NLRP12 NLR family	ENSG0000015.197769	6.902328	2.796325	2.468357
ENSG000001126014	OSCAR osteoclast	ENSG0000015.197769	6.902328	2.796325	2.468357
ENSG0000014513	COX2 cytochrom	ENSG00000119574.46	-1.43091	0.580679	-2.4642
ENSG000001253017	TECRL trans-2,3-e	ENSG000001914.6775	1.355358	0.550939	2.460085
ENSG0000017456	WIPF1 WAS/WAS	ENSG00000168.96681	1.893359	0.76988	2.459291
ENSG0000019569	GTF2IRD1 GTF2I repe	ENSG00000115.12275	-5.98274	2.434179	-2.4578
ENSG0000014811	NID1 nidogen 1	ENSG000001218.2153	-1.48185	0.603681	-2.4547
ENSG00000122997	IGSF9B immunogl	ENSG00000139.73445	-2.83875	1.157046	-2.45345
ENSG000001695	BTK Bruton tyrc	ENSG00000112.08235	4.349292	1.774254	2.451336
ENSG000001183	AGT angiotensin	ENSG00000172.85713	-2.06155	0.841526	-2.44978
ENSG0000013394	IRF8 interferon	ENSG0000019.718353	4.790545	1.955925	2.449248
ENSG0000019473	THEMIS2 thymocyte	ENSG00000130.98508	2.773809	1.13569	2.442399
ENSG0000018031	NCOA4 nuclear rec	ENSG000001542.0906	1.283783	0.525661	2.442226

ENSG0000011351	COX8A	cytochrom	ENSG00000172.50745	1.864927	0.764744	2.438629
ENSG0000014625	MYH7	myosin he	ENSG00000140689.2	-1.1455	0.469775	-2.43841
ENSG000001257106	ARHGAP3C	Rho GTPas	ENSG00000121.19179	3.238481	1.328581	2.43755
ENSG00000123676	SMPX	small musc	ENSG000001157.5822	1.523951	0.625613	2.435934
ENSG0000017454	WAS	Wiskott-Al	ENSG00000114.92279	3.715852	1.526893	2.433603
ENSG000001248527			ENSG0000012020.003	-1.32568	0.545119	-2.4319
ENSG00000110627	MYL12A	myosin lig	ENSG000001661.5899	1.440013	0.592615	2.429928
ENSG0000013587	IL10RA	interleukin	ENSG00000127.88713	2.720672	1.119997	2.429178
ENSG000001114780	PKD1L2	polycystin	ENSG00000115.17807	-5.98447	2.464768	-2.42801
ENSG00000155353	LAPTM4B	lysosomal	ENSG000001183.4742	1.599991	0.661605	2.418349
ENSG0000012358	FPR2	formyl pep	ENSG00000114.33467	3.609134	1.492522	2.418145
ENSG000001277918			ENSG00000119.14062	3.522457	1.457897	2.416122
ENSG000001281383			ENSG0000012851.92	1.289459	0.534301	2.413359
ENSG00000189849	ATG16L2	autophagy	ENSG00000143.04258	2.184428	0.9052	2.413198
ENSG0000015696	PSMB8	proteasom	ENSG00000137.56873	2.398798	0.995543	2.409538
ENSG0000016916	TBXAS1	thromboxa	ENSG00000131.46151	2.679775	1.113307	2.407039
ENSG0000019958	USP15	ubiquitin s	ENSG000001150.5413	1.506157	0.627538	2.400105
ENSG0000013672	ITGA1	integrin su	ENSG000001171.4553	-1.52749	0.636506	-2.39981
ENSG0000014137	MAPT	microtubul	ENSG00000143.59354	-2.63212	1.098565	-2.39596
ENSG0000016001	RGS10	regulator c	ENSG00000110.57549	4.485163	1.87297	2.39468
ENSG00000110290	SPEG	SPEG comp	ENSG000001117.0578	-1.70138	0.710638	-2.39416
ENSG000001677808	SNORA23	small nucle	ENSG00000112.74358	3.716625	1.553309	2.392714
ENSG00000110252	SPRY1	sprouty RT	ENSG00000183.1122	-2.14667	0.89751	-2.3918
ENSG00000126027	ACOT11	acyl-CoA t	ENSG00000167.69572	-2.08398	0.872257	-2.38918
ENSG000001284996	RNF149	ring finger	ENSG00000160.00242	2.093954	0.876637	2.388621
ENSG00000110346	TRIM22	tripartite n	ENSG000001102.7748	1.854745	0.777522	2.385457
ENSG0000012615	LRRC32	leucine ric	ENSG00000172.50141	-2.05124	0.861099	-2.38212
ENSG0000017134	TNNC1	troponin C	ENSG0000011811.84	1.150578	0.483025	2.382025
ENSG00000127122	DKK3	dickkopf W	ENSG000001498.2897	1.275106	0.535516	2.381077
ENSG0000013133	HLA-E	major histc	ENSG000001625.3274	1.286658	0.541777	2.374884
ENSG00000123218	NBEAL2	neurobeac	ENSG00000149.06035	2.13812	0.90125	2.372395
ENSG0000016451	SH3BGR1	SH3 domai	ENSG00000172.71003	1.795961	0.7575	2.370904
ENSG0000018832	CD84	CD84 mole	ENSG00000129.2092	2.794699	1.178805	2.370791
ENSG0000011879	EBF1	EBF transcr	ENSG00000133.40647	-3.01443	1.271611	-2.37056
ENSG000001225630			ENSG000001155.3204	-1.64385	0.694216	-2.36792
ENSG0000014615	MYD88	MYD88, inr	ENSG00000126.77248	2.596769	1.100566	2.359485
ENSG00000111031	RAB31	RAB31, me	ENSG00000160.08703	1.949725	0.8265	2.359013
ENSG0000012359	FPR3	formyl pep	ENSG00000119.0968	3.132742	1.329365	2.35657
ENSG00000154625	PARP14	poly(ADP-r	ENSG000001198.4929	1.421909	0.60354	2.355947
ENSG00000130061	SLC40A1	solute carr	ENSG00000199.01536	1.648736	0.699936	2.355553
ENSG00000185461	TANC1	tetratricop	ENSG000001245.2399	-1.43159	0.607811	-2.35533
ENSG000001100507421	TMEM178	transmembr	ENSG000001180.0067	-1.48415	0.630753	-2.35299
ENSG000001610	HCN2	hyperpolar	ENSG00000113.77138	-5.8448	2.485371	-2.35168
ENSG0000011948	EFNB2	ephrin B2	ENSG00000128.20988	-3.37161	1.434049	-2.35111
ENSG0000013937	LCP2	lymphocyt	ENSG00000135.78135	2.528351	1.076507	2.348662
ENSG00000157553	MICAL3	microtubul	ENSG000001139.9366	-1.57257	0.67	-2.34712
ENSG00000127284	SULT1B1	sulfotransf	ENSG00000116.71018	3.15619	1.345352	2.345996



ENSG0000010237973			ENSG0000010237973	61.53266	-2.2487	0.959359	-2.34396
ENSG000001023224	SYNE2	spectrin re	ENSG000001023224	725.1518	-1.19552	0.510175	-2.34336
ENSG0000010240	ALOX5	arachidonaz	ENSG0000010240	29.95465	2.64078	1.127478	2.342201
ENSG000001083699	SH3BGR2	SH3 domai	ENSG000001083699	76.0443	1.830341	0.782378	2.339459
ENSG000001057687	VAT1L	vesicle ami	ENSG000001057687	27.13017	3.10677	1.328185	2.339109
ENSG00000109468	PCYT1B	phosphate	ENSG00000109468	6.766228	5.73845	2.454273	2.338146
ENSG0000010473	RERE	arginine-gl	ENSG0000010473	238.0367	-1.38127	0.591246	-2.33621
ENSG00000103433	IFIT2	interferon	ENSG00000103433	28.57099	2.57658	1.104466	2.332873
ENSG00000106401	SELE	selectin E	ENSG00000106401	13.81036	-5.84766	2.507086	-2.33245
ENSG00000109556	ATP5MPL	ATP syntha	ENSG00000109556	107.6213	1.609654	0.691409	2.328078
ENSG0000010316	AOX1	aldehyde o	ENSG0000010316	58.91194	-2.58286	1.110318	-2.32624
ENSG000001010507	SEMA4D	semaphori	ENSG000001010507	57.25666	1.949789	0.838965	2.324042
ENSG00000106850	SYK	spleen assc	ENSG00000106850	30.86188	2.797332	1.204487	2.322426
ENSG00000101350	COX7C	cytochrom	ENSG00000101350	271.4734	1.31933	0.568258	2.321712
ENSG00000103071	NCKAP1L	NCK associ	ENSG00000103071	36.68858	2.657686	1.144719	2.321693
ENSG000001064328	XPO4	exportin 4	ENSG000001064328	139.3013	1.484638	0.640041	2.319597
ENSG00000109892	SNAP91	synaptosor	ENSG00000109892	11.97067	3.704486	1.600614	2.314415
ENSG0000010841	CASP8	caspase 8	ENSG0000010841	20.82259	2.819965	1.222118	2.307441
ENSG000001057178	ZMIZ1	zinc finger	ENSG000001057178	167.1158	-1.48369	0.643404	-2.30599
ENSG000001092162	TMEM88	transmembr	ENSG000001092162	12.67897	-5.72894	2.49421	-2.2969
ENSG000001010964	IFI44L	interferon	ENSG000001010964	49.87851	2.147507	0.937697	2.290192
ENSG000001025992	SNED1	sushi, nido	ENSG000001025992	23.54754	-4.14097	1.809183	-2.28886
ENSG00000101089	CEACAM4	carcinoeml	ENSG00000101089	9.925772	4.387893	1.918455	2.287201
ENSG000001090134	KCNH7	potassium	ENSG000001090134	4.548048	6.709679	2.935863	2.285419
ENSG00000106374	CXCL5	C-X-C moti	ENSG00000106374	4.548048	6.709679	2.935863	2.285419
ENSG0000010202309	GAPT	GRB2 bindi	ENSG0000010202309	4.548048	6.709679	2.935863	2.285419
ENSG0000010260035			ENSG0000010260035	4.548048	6.709679	2.935863	2.285419
ENSG0000010261471			ENSG0000010261471	4.548048	6.709679	2.935863	2.285419
ENSG000001084658	ADGRE3	adhesion C	ENSG000001084658	4.548048	6.709679	2.935863	2.285419
ENSG0000010100505746	ITGB2-AS1	ITGB2 anti	ENSG0000010100505746	4.548048	6.709679	2.935863	2.285419
ENSG0000010347731	LRRTM3	leucine ric	ENSG0000010347731	12.49418	-5.70892	2.501164	-2.28251
ENSG00000109050	PSTPIP2	proline-ser	ENSG00000109050	16.7944	3.101382	1.359169	2.281822
ENSG00000104710	NDUFB4	NADH:ubic	ENSG00000104710	134.646	1.460777	0.642583	2.27329
ENSG000001010154	PLXNC1	plexin C1	ENSG000001010154	60.56059	2.069299	0.912237	2.268379
ENSG000001023114	NFASC	neurofasci	ENSG000001023114	48.35371	-2.26923	1.000648	-2.26776
ENSG000001084159	ARID5B	AT-rich int	ENSG000001084159	133.5822	-1.55009	0.687206	-2.25564
ENSG00000106812	STXBP1	syntaxin bi	ENSG00000106812	39.54194	-2.4809	1.100196	-2.25497
ENSG000001079958	DENND1C	DENN dom	ENSG000001079958	10.78291	4.172551	1.852831	2.251986
ENSG0000010211459			ENSG0000010211459	596054.9	-1.29262	0.574327	-2.25067
ENSG0000010326624	RAB37	RAB37, me	ENSG0000010326624	11.23672	3.734273	1.661137	2.248022
ENSG0000010240869			ENSG0000010240869	19.16991	2.82275	1.258314	2.24328
ENSG00000109446	GSTO1	glutathion	ENSG00000109446	86.86919	1.621837	0.723809	2.240699
ENSG000001056103	PCDHGB2	protocadhe	ENSG000001056103	31.83762	-2.94202	1.313555	-2.23974
ENSG000001010052	GJC1	gap junctio	ENSG000001010052	35.05811	-2.6413	1.18078	-2.23691
ENSG00000104671	NAIP	NLR family	ENSG00000104671	15.87566	3.154478	1.411018	2.235604
ENSG000001057538	ALPK3	alpha kinas	ENSG000001057538	532.3699	-1.24137	0.555279	-2.23558
ENSG0000010221935	SDK1	sidekick ce	ENSG0000010221935	11.84929	-5.63057	2.521244	-2.23325

ENSG0000014509	ATP8	ATP synthase	ENSG0000011062	2.6	-1.35029	0.60498	-2.23196
ENSG00000128231	SLCO4A1	solute carrier	ENSG0000013481	1.72	-2.63085	1.178775	-2.23185
ENSG000001165	AEBP1	AE binding protein	ENSG0000015219	8.94	-2.17875	0.976318	-2.23159
ENSG0000011436	CSF1R	colony stimulating factor 1 receptor	ENSG0000014317	13.17	2.260103	1.013535	2.229921
ENSG0000010210196			ENSG0000015231	7.26	1.313308	0.589007	2.229698
ENSG00000184959	UBASH3B	ubiquitin-protein ligase	ENSG0000011215	5.46	3.590564	1.611759	2.22773
ENSG00000126191	PTPN22	protein tyrosine phosphatase	ENSG0000011640	5.05	4.007989	1.800041	2.22661
ENSG00000156111	PCDHGA4	protocadherin 4	ENSG0000013041	10.1	-2.87107	1.29048	-2.22481
ENSG0000013107	HLA-C	major histocompatibility complex class I	ENSG0000012645	10.8	1.27545	0.574788	2.218993
ENSG0000015176	SERPINF1	serpin family F member 1	ENSG0000011414	8.78	-1.59246	0.717801	-2.21853
ENSG0000011282	COL4A1	collagen type IV alpha 1 chain	ENSG0000013603	4.77	-1.23775	0.557967	-2.21833
ENSG00000151571	FAM49B	family with sequence similarity 49B	ENSG0000014113	8.67	2.076395	0.936056	2.218238
ENSG00000111170	FAM107A	family with sequence similarity 107A	ENSG0000012927	4.84	-1.46621	0.661043	-2.21803
ENSG000001259173	ALS2CL	ALS2 C-terminal domain	ENSG0000016876	7.87	-1.96498	0.887244	-2.2147
ENSG000001117289	TAGAP	T cell activation-induced gene	ENSG0000011422	2.98	3.202989	1.448342	2.211487
ENSG00000154331	GNG2	G protein subunit 2	ENSG0000011620	6.28	3.00965	1.362789	2.20845
ENSG00000183442	SH3BGR1	SH3 domain containing	ENSG0000015088	7.1	1.904221	0.863205	2.205989
ENSG00000123352	UBR4	ubiquitin-protein ligase	ENSG0000014389	9.34	-1.18182	0.536549	-2.20262
ENSG0000018613	PLPP3	phospholipid phosphatase	ENSG0000011932	2.86	-1.37853	0.626443	-2.20056
ENSG00000160	ACTB	actin beta	ENSG0000011146	0.17	1.091698	0.496282	2.199751
ENSG0000010267934			ENSG0000011131	1.26	-5.56397	2.539024	-2.19138
ENSG00000155196	KIAA1551	KIAA1551	ENSG0000011533	3.75	1.440149	0.658598	2.18669
ENSG0000019590	AKAP12	A-kinase anchoring protein	ENSG0000011800	0.65	-1.40477	0.643607	-2.18266
ENSG00000170	ACTC1	actin, alpha	ENSG0000013398	6.08	1.06471	0.487988	2.181836
ENSG0000010252396			ENSG0000011188	0.6	-5.54905	2.54347	-2.18168
ENSG0000013101	HK3	hexokinase	ENSG0000011554	5.05	3.3169	1.520621	2.18128
ENSG00000123371	TNS2	tensin 2	ENSG0000011800	0.75	-1.48653	0.682064	-2.17946
ENSG000001109616976	SNORA79B	small nucleolar RNA	ENSG0000013960	9.18	2.036194	0.934592	2.1787
ENSG00000194240	EPSTI1	epithelial protein	ENSG0000011919	2.54	2.801181	1.28601	2.178195
ENSG00000183857	TMTTC1	transmembrane protein	ENSG0000011901	1.75	-1.38535	0.636152	-2.1777
ENSG0000018490	RGS5	regulator of G protein signaling	ENSG0000019332	2.68	-1.18439	0.543913	-2.17754
ENSG00000179443	FYCO1	FYVE and coiled-coil domain	ENSG0000014231	1.99	-1.31418	0.603553	-2.17741
ENSG000001100506035	LINC00989	long intergenic non-coding RNA	ENSG0000019276	0.51	4.28337	1.968816	2.175607
ENSG00000179930	DOK3	docking protein	ENSG0000019276	0.51	4.28337	1.968816	2.175607
ENSG00000184174	SLA2	Src like adaptor	ENSG0000018749	5.25	4.041266	1.857704	2.175409
ENSG0000011003	CDH5	cadherin 5	ENSG0000011700	0.40	-1.38672	0.637536	-2.17513
ENSG00000123037	PDZD2	PDZ domain	ENSG0000012729	9.36	-1.24951	0.575706	-2.1704
ENSG00000179887	PLBD1	phospholipid binding domain	ENSG0000013626	9.68	2.093932	0.965104	2.169645
ENSG0000011439	CSF2RB	colony stimulating factor 2 receptor	ENSG0000012468	8.62	2.670021	1.232192	2.166887
ENSG0000011778	DYNC1H1	dynein cytoplasmic 1 heavy chain	ENSG0000011105	6.58	-1.11571	0.515369	-2.16487
ENSG00000110673	TNFSF13B	TNF superfamily member 13B	ENSG0000011211	1.64	3.560644	1.645779	2.163501
ENSG0000016789	STK4	serine/threonine kinase	ENSG0000017360	2.74	1.689484	0.781098	2.16296
ENSG000001128346	C1orf162	chromosome 1 open reading frame 162	ENSG0000012443	1.11	2.53198	1.170751	2.162698
ENSG0000013034	HAL	histidine aminotransferase	ENSG0000011040	0.22	3.766708	1.741877	2.162443
ENSG0000013561	IL2RG	interleukin 2 receptor gamma	ENSG0000011040	0.22	3.766708	1.741877	2.162443
ENSG000001514	ATP5F1E	ATP synthase	ENSG0000011458	8.37	1.380483	0.638607	2.161709
ENSG0000015054	SERPINE1	serpin family E member 1	ENSG0000015493	9.16	1.903321	0.881041	2.160309

ENSG00000179668	PARP8	poly(ADP-ribose)	ENSG00000143021	43.02139	2.076119	0.961212	2.159896
ENSG0000012947	GSTM3	glutathione S-transferase mu 3	ENSG00000194718	94.71854	1.5689	0.726973	2.158127
ENSG0000019791	PTDSS1	phosphatidylesterase domain containing 1	ENSG00000185374	185.3724	1.291307	0.598529	2.157469
ENSG0000019848	MFAP3L	microfibrillar-associated protein 3 like	ENSG00000120626	20.62668	2.6374	1.222506	2.157372
ENSG0000018436	CAVIN2	caveolae associated protein 2	ENSG00000127344	273.4488	1.35429	0.627837	2.157071
ENSG00000191653	BOC	BOC cell associated protein	ENSG00000111025	11.0259	-5.53076	2.564397	-2.15675
ENSG0000015908	RAP1B	RAP1B, member 1	ENSG00000176331	76.33149	1.658965	0.769366	2.156276
ENSG000001100506866	TTN-AS1	TTN antisense 1	ENSG00000188393	88.39354	-1.715	0.796549	-2.15304
ENSG00000155784	MCTP2	multiple transmembrane protein 2	ENSG00000117735	17.73576	3.02928	1.408904	2.150096
ENSG0000015330	PLCB2	phospholipase C beta 2	ENSG00000122178	22.17879	2.660653	1.237642	2.149776
ENSG00000151312	SLC25A37	solute carrier family 25 member 37	ENSG00000110855	108.5534	1.470799	0.684257	2.149483
ENSG00000122797	TFEC	transcription factor E	ENSG00000115225	15.22594	3.080946	1.433502	2.149244
ENSG0000011347	COX7A2	cytochrome c oxidase subunit 7A2	ENSG00000195258	95.25801	1.505438	0.700691	2.148506
ENSG00000164092	SAMSN1	SAM domain containing 1	ENSG00000113242	13.24264	3.306202	1.539364	2.147771
ENSG00000110333	TLR6	toll like receptor 6	ENSG00000118004	18.00478	2.925133	1.36266	2.146634
ENSG00000151778	MYOZ2	myozenin 2	ENSG00000186397	863.977	1.196757	0.557719	2.145807
ENSG0000015784	PTPN14	protein tyrosine phosphatase non-receptor type 14	ENSG00000199611	99.61103	-1.57755	0.735458	-2.14499
ENSG0000012036	EPB41L1	erythrocyte band 4.1 like 1	ENSG00000133174	33.17499	-2.55555	1.192343	-2.1433
ENSG0000012878	GPX3	glutathione peroxidase 3	ENSG00000186933	869.3354	-1.29921	0.606325	-2.14276
ENSG0000011028	CDKN1C	cyclin dependent kinase 1C	ENSG00000120721	20.72162	-3.94765	1.842368	-2.1427
ENSG0000017037	TFRC	transferrin receptor	ENSG00000110385	103.8539	1.474988	0.688986	2.140811
ENSG0000012634	GBP2	guanylate binding protein 2	ENSG00000181178	81.17824	1.58447	0.740516	2.139684
ENSG0000018503	PIK3R3	phosphoinositide dependent kinase class 3 regulatory subunit 3	ENSG00000185340	85.33405	-1.74773	0.817483	-2.13794
ENSG00000111118	BTN3A2	butyrophilin 3 class A member 2	ENSG00000147900	47.90084	1.905097	0.892365	2.134886
ENSG0000016876	TAGLN	transgelin	ENSG00000173653	73.65372	-1.82934	0.85718	-2.13414
ENSG000001140710	SOGA1	suppressor of growth arrest 1	ENSG00000111298	112.9831	-1.50808	0.706747	-2.13384
ENSG0000012977	GUCY1A2	guanylate cyclase 1A2	ENSG00000113018	130.1879	-1.44959	0.679346	-2.1338
ENSG0000018988	HSPB3	heat shock protein beta 3	ENSG00000112543	125.4313	1.563282	0.73284	2.133181
ENSG00000157608	JCAD	junctional calcium dependent adhesion molecule	ENSG00000116274	162.7422	-1.39478	0.654069	-2.13247
ENSG00000157139	RGL3	ribosomal guanine nucleotide binding protein 3	ENSG00000110672	10.67266	-5.4831	2.571774	-2.13203
ENSG00000179993	ELOVL7	ELOVL fatty acid elongase 7	ENSG00000111589	11.58996	3.395475	1.593209	2.131218
ENSG00000127151	CPAMD8	C3 and PZFA domain containing 8	ENSG00000128042	28.80429	-2.78582	1.307196	-2.13114
ENSG00000156919	DHX33	DEAH-box helicase 33	ENSG00000110565	10.56581	-5.4659	2.567435	-2.12893
ENSG00000180896	NPL	N-acetylneuraminic acid lyase	ENSG00000121321	21.32165	2.662215	1.251207	2.127718
ENSG00000130	ACAA1	acetyl-CoA acyltransferase 1	ENSG00000134530	34.53015	-2.61546	1.230305	-2.12587
ENSG00000156105	PCDHGA11	protocadherin A11	ENSG00000124718	24.71894	-3.17471	1.494539	-2.12421
ENSG00000154809	SAMD9	sterile alpha domain containing 9	ENSG00000140270	40.27041	1.967142	0.926209	2.123864
ENSG00000184833	ATP5MD	ATP synthase medium subunit	ENSG00000169456	69.45659	1.632537	0.7688	2.123487
ENSG0000012557	GABRA4	gamma-aminobutyric acid receptor subunit alpha 4	ENSG00000142360	42.36055	1.949938	0.919752	2.120069
ENSG0000019231	DLG5	discs large protein 5	ENSG00000124067	24.06778	-3.13089	1.479531	-2.11614
ENSG000001976	ADGRE5	adhesion G protein-coupled receptor 5	ENSG00000136707	36.70714	2.036201	0.962456	2.115631
ENSG0000016195	RPS6KA1	ribosomal protein S6 kinase alpha-1	ENSG00000121959	21.95987	2.964151	1.403106	2.112564
ENSG0000013020	H3F3A	H3 histone	ENSG00000149862	49.86295	1.818415	0.861057	2.111841
ENSG00000123550	PSD4	pleckstrin domain containing 4	ENSG00000119730	19.73057	2.635017	1.248859	2.109939
ENSG000001130827	TMEM182	transmembrane protein 182	ENSG00000116864	168.6472	1.433464	0.6815	2.103395
ENSG0000016892	TAPBP	TAP binding protein	ENSG00000117110	171.103	1.291949	0.615042	2.100588
ENSG000001197815			ENSG00000110274	10.27417	-5.42413	2.582856	-2.10005

ENSG0000016688	SPI1	Spi-1 proto	ENSG0000014.03819	3.287477	1.572131	2.091096
ENSG000001100128731	OST4	oligosacch	ENSG00000144.20954	1.871061	0.895061	2.090428
ENSG0000011298	COL9A2	collagen ty	ENSG0000013.898327	6.48728	3.112128	2.084516
ENSG00000179865	TREML2	triggering r	ENSG0000013.898327	6.48728	3.112128	2.084516
ENSG0000010265206			ENSG0000013.898327	6.48728	3.112128	2.084516
ENSG0000010225528			ENSG0000013.898327	6.48728	3.112128	2.084516
ENSG000001100507006	LOC100507	uncharacte	ENSG0000015.405188	5.493475	2.637084	2.083163
ENSG000001917	CD3G	CD3g mole	ENSG0000015.405188	5.493475	2.637084	2.083163
ENSG000001347273	CAVIN4	caveolae a	ENSG00000168.57538	1.685804	0.809396	2.082793
ENSG00000110580	SORBS1	sorbin and	ENSG0000012033.759	-1.04948	0.503904	-2.08271
ENSG00000110763	NES	nestin	ENSG000001394.4276	1.138308	0.54674	2.081992
ENSG0000014185	ADAM11	ADAM met	ENSG00000120.11571	-3.9013	1.874935	-2.08076
ENSG00000123075	SWAP70	switching E	ENSG00000173.01747	-1.69867	0.816852	-2.07954
ENSG00000123569	PADI4	peptidyl ar	ENSG00000111.71316	3.326522	1.600398	2.07856
ENSG00000179168	LILRA6	leukocyte i	ENSG00000111.71316	3.326522	1.600398	2.07856
ENSG0000014430	MYO1B	myosin IB	ENSG00000176.56478	-1.66987	0.8034	-2.07851
ENSG0000013676	ITGA4	integrin su	ENSG00000117.08604	2.962709	1.428033	2.074678
ENSG0000013796	KIF2A	kinesin far	ENSG00000150.52418	1.76815	0.853188	2.072403
ENSG00000191300	R3HDM4	R3H domai	ENSG00000126.69493	2.259534	1.09129	2.070516
ENSG0000014778	NFE2	nuclear fac	ENSG0000016.323926	4.62851	2.237242	2.068846
ENSG0000011622	DBI	diazepam b	ENSG000001165.0953	1.272954	0.615958	2.066625
ENSG0000012920	CXCL2	C-X-C moti	ENSG00000120.07294	-3.90615	1.891559	-2.06504
ENSG000001202	CRYBG1	crystallin b	ENSG00000129.82701	2.194815	1.063326	2.064104
ENSG00000190441	ZNF622	zinc finger	ENSG00000162.78387	1.646645	0.798571	2.061989
ENSG00000180227	PAAF1	proteasom	ENSG0000019.820356	-5.36068	2.600049	-2.06176
ENSG00000110060	ABCC9	ATP bindin	ENSG000001279.8199	-1.17685	0.571465	-2.05936
ENSG0000011956	EGFR	epidermal	ENSG00000198.03211	-1.55174	0.754007	-2.05799
ENSG00000155350	VNN3	vanin 3	ENSG0000015.466786	5.408882	2.628627	2.057683
ENSG00000110636	RGS14	regulator c	ENSG0000017.181066	4.232474	2.058354	2.056242
ENSG000001253018	HCG27	HLA compl	ENSG0000017.181066	4.232474	2.058354	2.056242
ENSG0000018328	GFI1B	growth fac	ENSG0000017.181066	4.232474	2.058354	2.056242
ENSG0000012674	GFRA1	GDNF fami	ENSG00000136.54143	-2.71167	1.319928	-2.05441
ENSG0000013108	HLA-DMA	major histc	ENSG00000129.6923	2.363018	1.150509	2.05389
ENSG00000122806	IKZF3	IKAROS far	ENSG00000116.81703	3.075648	1.497545	2.053793
ENSG000001256435	ST6GALNA	ST6 N-acet	ENSG00000123.07594	-3.06768	1.494456	-2.05271
ENSG00000179990	PLEKHH3	pleckstrin l	ENSG0000019.736133	-5.34701	2.605476	-2.05222
ENSG000001285556	C4orf54	chromosor	ENSG00000112.59292	3.219438	1.569137	2.051725
ENSG0000012028	ENPEP	glutamyl ai	ENSG00000132.46223	-2.51937	1.228576	-2.05064
ENSG00000158476	TP53INP2	tumor prot	ENSG000001170.9592	-1.60972	0.785357	-2.04966
ENSG0000014952	OCRL	OCRL, inos	ENSG00000131.47667	-2.47319	1.206898	-2.04921
ENSG00000165268	WNK2	WNK lysine	ENSG000001147.9551	-1.50859	0.736299	-2.04889
ENSG00000129796	UQCR10	ubiquinol- $\alpha$	ENSG00000178.38829	1.515801	0.739859	2.04877
ENSG0000016813	STXBP2	syntaxin bi	ENSG0000018.895346	3.79696	1.853962	2.048025
ENSG000001383	ARG1	arginase 1	ENSG0000018.099804	3.915367	1.911856	2.04794
ENSG000001146894	CD300LG	CD300 mol	ENSG00000123.62404	-3.0993	1.514384	-2.04657
ENSG000001920	CD4	CD4 molec	ENSG00000125.31087	2.524848	1.235718	2.043222
ENSG00000183666	PARP9	poly(ADP-r	ENSG00000192.30654	1.569982	0.768533	2.042828

ENSG0000013127	HLA-DRB5	major histc	ENSG00000122.43669	2.394951	1.173658	2.040587
ENSG0000011410	CRYAB	crystallin a	ENSG0000012149.577	1.025943	0.503042	2.039479
ENSG00000164122	FN3K	fructosami	ENSG00000118.79953	-3.80451	1.867649	-2.03706
ENSG000001123041	SLC24A4	solute carr	ENSG0000019.018542	3.692599	1.813466	2.03621
ENSG00000163940	GPSM3	G protein s	ENSG00000118.1506	2.86633	1.408839	2.034533
ENSG000001126669	SHE	Src homolc	ENSG00000150.75564	-1.93976	0.954002	-2.03329
ENSG000001867	CBL	Cbl proto-c	ENSG00000174.92559	1.523337	0.749974	2.031187
ENSG00000110192728C	LINC02208	long interg	ENSG00000118.75428	-3.79903	1.871017	-2.03046
ENSG0000013111	HLA-DOA	major histc	ENSG00000115.10275	3.132259	1.543109	2.029836
ENSG0000012317	FLNB	filamin B	ENSG000001161.7789	-1.30084	0.640902	-2.02969
ENSG000001775	CACNA1C	calcium vo	ENSG000001232.4458	-1.25497	0.618632	-2.02861
ENSG0000013987	LIMS1	LIM zinc fir	ENSG000001115.8791	1.351228	0.666122	2.028499
ENSG0000016238	RRBP1	ribosome k	ENSG000001115.5208	-1.41935	0.699883	-2.02799
ENSG000001388115	CCDC9B	coiled-coil	ENSG000001119.2718	-1.41478	0.697853	-2.02734
ENSG0000016737	TRIM21	tripartite n	ENSG00000120.3302	2.472036	1.220119	2.026062
ENSG0000011952	CELSR2	cadherin E	ENSG00000122.67745	-3.03905	1.500913	-2.0248
ENSG0000019056	SLC7A7	solute carr	ENSG00000114.84524	2.879981	1.42518	2.020784
ENSG0000012123	EVI2A	ecotropic v	ENSG0000017.242664	4.155284	2.056874	2.020193
ENSG0000017010	TEK	TEK recept	ENSG000001102.9658	-1.48526	0.735224	-2.02014
ENSG00000123164	MPRIIP	myosin ph	ENSG000001292.9017	-1.16868	0.578892	-2.01883
ENSG000001284759	SIRPB2	signal regu	ENSG00000114.24561	3.166502	1.569878	2.017037
ENSG0000017096	TLR1	toll like rec	ENSG00000122.3747	2.836412	1.406306	2.016924
ENSG00000110075	HUWE1	HECT, UBA	ENSG000001668.058	-1.06771	0.529749	-2.01549
ENSG00000126037	SIPA1L1	signal indu	ENSG00000138.94834	1.900072	0.944007	2.012773
ENSG0000015641	LGMN	legumain	ENSG000001116.0475	1.345923	0.669632	2.009946
ENSG00000179603	CERS4	ceramide s	ENSG0000019.282322	-5.28001	2.627289	-2.00968
ENSG0000011012	CDH13	cadherin 1	ENSG000001238.5074	1.165366	0.580008	2.009224
ENSG0000014481	MSR1	macrophag	ENSG00000142.06368	2.073821	1.032932	2.007703
ENSG00000111010	GLIPR1	GLI pathog	ENSG00000120.08381	2.527863	1.259191	2.007529
ENSG0000013001	GZMA	granzyme /	ENSG0000016.262328	4.736355	2.360135	2.006816
ENSG000001270110			ENSG0000019.259697	-5.27464	2.629115	-2.00624
ENSG00000110611	PDLIM5	PDZ and LI	ENSG0000011030.155	0.989897	0.493734	2.004919
ENSG0000014261	CIITA	class II maj	ENSG00000137.75536	2.019886	1.009175	2.001523
ENSG0000018334	HIST1H2AC	histone clu	ENSG00000142.15837	1.882165	0.940824	2.000549
ENSG000001474170	LRRC37A2	leucine ric	ENSG0000019.360268	-5.28746	2.643569	-2.00012
ENSG00000110092	ARPC5	actin relat	ENSG00000176.45024	1.501891	0.751128	1.999516
ENSG0000012353	FOS	Fos proto-c	ENSG00000151.20317	-1.95289	0.977821	-1.99718
ENSG0000017026	NR2F2	nuclear rec	ENSG00000126.62953	-2.66436	1.334226	-1.99693
ENSG0000013959	LGALS3BP	galectin 3 k	ENSG000001270.7509	1.119439	0.561673	1.993043
ENSG0000015596	MAPK4	mitogen-ac	ENSG00000137.82478	-2.4077	1.208283	-1.99266
ENSG00000110085	EDIL3	EGF like re	ENSG00000134.99756	-2.29118	1.150195	-1.99199
ENSG00000184952	CGNL1	cingulin lik	ENSG00000193.93215	1.468156	0.737116	1.991757
ENSG0000019019	MPZL1	myelin pro	ENSG00000181.06601	-1.56921	0.787873	-1.99171
ENSG000001210144			ENSG00000122.77215	2.540763	1.276059	1.991102
ENSG000001237550			ENSG00000112.53133	3.251712	1.633945	1.990098
ENSG00000180243	PREX2	phosphatic	ENSG00000180.68386	-1.56036	0.78424	-1.98965
ENSG0000014092	SMAD7	SMAD fam	ENSG00000134.73233	-2.27483	1.144113	-1.98829

ENSG00000156100	PCDHGB6	protocadherin 6	ENSG00000126378	-2.64669	1.332854	-1.98573
ENSG00000155114	ARHGAP17	Rho GTPase 17	ENSG00000173796	-1.60908	0.81151	-1.98282
ENSG00000111069	RAPGEF4	Rap guanine nucleotide exchange factor 4	ENSG00000118015	-3.74225	1.887835	-1.9823
ENSG00000129906	ST8SIA5	ST8 alpha-sialin	ENSG00000190133	-5.23792	2.642418	-1.98224
ENSG0000014088	SMAD3	SMAD family member 3	ENSG00000173628	-1.60495	0.810397	-1.98044
ENSG0000014599	MX1	MX domain containing 1	ENSG00000134035	2.002949	1.011574	1.980033
ENSG00000110192	LOC101923755	uncharacterized protein	ENSG00000193376	-5.28243	2.671859	-1.97706
ENSG00000110087	CACNA1C-AS1	CACNA1C antisense 1	ENSG00000191201	-5.25793	2.660193	-1.97652
ENSG0000010942	CD86	CD86 molecule	ENSG00000111674	3.305666	1.672703	1.976243
ENSG00000110734	STAG3	stromal associated 3	ENSG00000194608	-5.30068	2.687498	-1.97235
ENSG00000110497	UNC13B	unc-13 homolog B	ENSG00000110338	-1.42349	0.721934	-1.97177
ENSG00000123704	KCNE4	potassium channel complexing protein 4	ENSG00000189680	-5.22686	2.652636	-1.97044
ENSG00000154510	PCDH18	protocadherin 18	ENSG00000130513	-2.42745	1.232101	-1.97017
ENSG0000013643	INSR	insulin receptor	ENSG00000129114	-1.11578	0.567499	-1.96613
ENSG00000125987	TSKU	tsukushi, similar to	ENSG00000118025	-3.73773	1.901228	-1.96596
ENSG00000128613	SCARA5	scavenger receptor class A type 5	ENSG00000186663	-1.50288	0.764888	-1.96484
ENSG00000111025	LILRB3	leukocyte immunoglobulin-like receptor B3	ENSG00000120291	2.47043	1.257694	1.964254
ENSG00000123328	SASH1	SAM and SH2 domain containing 1	ENSG00000111940	-1.3577	0.691776	-1.96263
ENSG00000134034	TSPAN33	tetraspanin 33	ENSG00000126508	2.492139	1.27048	1.961573
ENSG0000012355	FOSL2	FOS like 2, L	ENSG00000122151	-1.16983	0.597309	-1.95849
ENSG00000164344	HIF3A	hypoxia inducible factor 3A	ENSG00000111377	-1.39448	0.713062	-1.95562
ENSG0000014862	NPAS2	neuronal PAS domain protein 2	ENSG00000133746	-2.23129	1.141239	-1.95515
ENSG00000137544	MAST4	microtubule associated 4	ENSG00000125137	-1.15306	0.59014	-1.95388
ENSG00000157101	ANO2	anoctamin 2	ENSG00000133853	-2.23722	1.145505	-1.95304
ENSG00000111076	TPPP	tubulin polymerization promoting protein	ENSG00000131877	-2.93574	1.503289	-1.95288
ENSG0000019595	CYTIP	cytohesin 1	ENSG00000114453	3.055029	1.568084	1.948256
ENSG00000128969	BZW2	basic leucine zipper 2	ENSG00000117886	1.197712	0.615288	1.946587
ENSG00000102790			ENSG00000188511	-5.21513	2.68076	-1.94539
ENSG00000179572	ATP13A3	ATPase 13A3	ENSG00000119505	1.172329	0.602803	1.944797
ENSG0000019510	ADAMTS1	ADAM metallopeptidase with thrombospondin type 1 motifs 1	ENSG00000113237	-1.31907	0.678441	-1.94426
ENSG0000015335	PLCG1	phospholipase C gamma 1	ENSG00000186008	-1.49071	0.767075	-1.94337
ENSG00000184808	PERM1	PPARGC1 alpha	ENSG00000178483	-1.8152	0.936755	-1.93775
ENSG0000016854	SYN2	synapsin II	ENSG00000186210	-5.17524	2.672104	-1.93677
ENSG00000126960	NBEA	neurobeachin	ENSG00000113160	-1.35991	0.702607	-1.93552
ENSG00000164115	VSIR	V-set immunoglobulin domain containing	ENSG00000110898	1.388572	0.717415	1.93552
ENSG0000012537	IFI6	interferon inducible protein 6	ENSG00000141570	1.841902	0.951897	1.93498
ENSG00000155260	TMEM143	transmembrane protein 143	ENSG00000129856	-2.38849	1.235119	-1.93381
ENSG0000016277	S100A6	S100 calcium binding protein A6	ENSG00000119048	1.184098	0.612568	1.933006
ENSG0000017753	ZNF202	zinc finger protein 202	ENSG00000185368	-5.15971	2.670164	-1.93236
ENSG00000183878	USHBP1	USH1 protein binding protein 1	ENSG00000185368	-5.15971	2.670164	-1.93236
ENSG00000183869	TTY14	testis-specific Y protein 14	ENSG00000185368	-5.15971	2.670164	-1.93236
ENSG00000116746	ZNF366	zinc finger protein 366	ENSG00000130102	-2.40088	1.242633	-1.93209
ENSG0000014854	NOTCH3	notch 3	ENSG00000188988	-1.46474	0.758447	-1.93124
ENSG00000164123	ADGRL4	adhesion G protein-coupled receptor 4	ENSG00000168813	-1.59973	0.828636	-1.93056
ENSG0000013109	HLA-DMB	major histocompatibility complex class II DMB	ENSG00000119103	2.554605	1.324861	1.928206
ENSG0000014717	NDUFC1	NADH:ubiquinone oxidoreductase complex 1	ENSG00000165243	1.51144	0.784402	1.926868
ENSG00000165997	RASL11B	RAS like family 11B	ENSG00000147554	5.302365	2.753584	1.925623

ENSG00000126829	RNU5E-1	RNA, U5E s	ENSG00000126829	8.245625	3.672704	1.908289	1.924606
ENSG000001349160	LOC349160	uncharacterized	ENSG000001349160	8.475272	-5.14985	2.676215	-1.9243
ENSG00000183593	RASSF5	Ras associat	ENSG00000183593	25.21069	2.185912	1.13615	1.923964
ENSG0000015027	P2RX7	purinergic	ENSG0000015027	11.40517	3.511783	1.825877	1.923341
ENSG00000110984	KCNQ1OT1	KCNQ1 op	ENSG00000110984	131.809	-1.31317	0.683018	-1.9226
ENSG0000014134	MAP4	microtubul	ENSG0000014134	1978.769	-0.94753	0.493143	-1.92141
ENSG00000110135	NAMPT	nicotinami	ENSG00000110135	406.3621	1.112191	0.579226	1.920134
ENSG00000184532	ACSS1	acyl-CoA s	ENSG00000184532	124.7188	-1.48828	0.77539	-1.9194
ENSG000001389558	FAM180A	family with	ENSG000001389558	8.727941	-5.19588	2.707593	-1.919
ENSG000001145447	ABHD12B	abhydrolas	ENSG000001145447	5.674205	4.458022	2.323588	1.918594
ENSG000001116931	MED12L	mediator c	ENSG000001116931	11.27086	3.074987	1.603608	1.917544
ENSG0000011734	DIO2	iodothyron	ENSG0000011734	30.33614	2.135135	1.113712	1.917134
ENSG00000123013	SPEN	spen famil	ENSG00000123013	173.3268	-1.22602	0.639606	-1.91684
ENSG0000017903	ST8SIA4	ST8 alpha-I	ENSG0000017903	26.76803	2.088384	1.089547	1.916746
ENSG00000165124	SOWAHC	sosondow	ENSG00000165124	8.497897	-5.15561	2.6903	-1.91637
ENSG0000010226074			ENSG0000010226074	8.413674	-5.13992	2.683346	-1.91549
ENSG0000016925	TCF4	transcripti	ENSG0000016925	197.1835	-1.17611	0.614131	-1.91508
ENSG00000123401	FRAT2	FRAT2, W	ENSG00000123401	18.70014	2.42745	1.268141	1.914179
ENSG00000188	ACTN2	actinin alp	ENSG00000188	1760.222	-1.00929	0.527303	-1.91407
ENSG0000012512	FTL	ferritin ligh	ENSG0000012512	751.0753	1.13406	0.59306	1.912217
ENSG0000015199	CFP	compleme	ENSG0000015199	8.368821	3.566236	1.8661	1.911064
ENSG0000019314	KLF4	Kruppel lik	ENSG0000019314	45.45848	-1.95075	1.020944	-1.91074
ENSG00000181622	UNC93B1	unc-93 hor	ENSG00000181622	10.2063	3.288123	1.722032	1.909443
ENSG0000018547	FCN3	ficolin 3	ENSG0000018547	20.9854	-2.92306	1.531727	-1.90834
ENSG000001283742	FAM98B	family with	ENSG000001283742	16.78694	-3.63334	1.90593	-1.90634
ENSG0000013480	IGF1R	insulin like	ENSG0000013480	142.7512	-1.2572	0.659664	-1.90582
ENSG00000151704	GPRC5B	G protein-c	ENSG00000151704	84.85827	-1.46683	0.770173	-1.90455
ENSG000001518	ATP5MC3	ATP syntha	ENSG000001518	229.936	1.116024	0.586665	1.902318
ENSG00000164432	MRPS25	mitochond	ENSG00000164432	71.64453	-1.55956	0.819924	-1.90208
ENSG00000123175	LPIN1	lipin 1	ENSG00000123175	91.11314	-1.4259	0.749885	-1.90149
ENSG00000110057	ABCC5	ATP bindin	ENSG00000110057	113.7657	-1.33253	0.700787	-1.90148
ENSG000001182	JAG1	jagged 1	ENSG000001182	91.20364	-1.42824	0.751358	-1.90087
ENSG0000017462	LAT2	linker for a	ENSG0000017462	10.22892	3.225886	1.697342	1.900552
ENSG000001925	CD8A	CD8a mole	ENSG000001925	4.817065	5.211359	2.743643	1.89943
ENSG0000010281162			ENSG0000010281162	4.817065	5.211359	2.743643	1.89943
ENSG000001171389	NLRP6	NLR family	ENSG000001171389	4.817065	5.211359	2.743643	1.89943
ENSG00000151266	CLEC1B	C-type lect	ENSG00000151266	4.817065	5.211359	2.743643	1.89943
ENSG000001972	CD74	CD74 mole	ENSG000001972	651.1507	2.61805	1.381335	1.895303
ENSG0000017173	TPO	thyroid per	ENSG0000017173	20.77799	-2.9077	1.534427	-1.89497
ENSG0000015860	QDPR	quinoid di	ENSG0000015860	16.64112	-3.61978	1.910839	-1.89434
ENSG00000179034	C7orf26	chromosor	ENSG00000179034	8.206255	-5.10372	2.695212	-1.89362
ENSG000001401494	HACD4	3-hydroxy	ENSG000001401494	18.88494	2.384514	1.260689	1.891436
ENSG000001419	ART3	ADP-ribosy	ENSG000001419	104.2542	1.350046	0.714895	1.888453
ENSG0000018720	MBTPS1	membrane	ENSG0000018720	145.4462	-1.24428	0.659954	-1.8854
ENSG000001348093	RBPM52	RNA bindir	ENSG000001348093	57.63761	-1.67552	0.889508	-1.88365
ENSG0000015793	PTPRG	protein tyr	ENSG0000015793	169.5681	-1.1866	0.630578	-1.88176
ENSG0000013911	LAMA5	laminin su	ENSG0000013911	54.89356	-1.74197	0.926184	-1.8808

ENSG0000015023	P2RX1	purinergic	ENSG0000015023	6.592943	4.001662	2.129527	1.879132
ENSG0000014609	MYC	MYC proto	ENSG0000014609	33.6135	-2.22789	1.185876	-1.87869
ENSG00000123780	APOL2	apolipopro	ENSG00000123780	94.40793	1.334913	0.711341	1.876615
ENSG000001760	CA2	carbonic ar	ENSG000001760	19.92687	2.353542	1.254923	1.875447
ENSG0000017169	TPM2	tropomyos	ENSG0000017169	418.4968	-1.1708	0.624368	-1.87518
ENSG0000018701	DNAH11	dynein axo	ENSG0000018701	8.199977	-5.09588	2.718041	-1.87483
ENSG00000154675	CRLS1	cardiolipin	ENSG00000154675	74.91591	1.418828	0.756949	1.874405
ENSG0000012687	GGT5	gamma-gl	ENSG0000012687	21.49074	-2.96248	1.581145	-1.87363
ENSG000001420	ART4	ADP-ribosy	ENSG000001420	21.03668	2.285794	1.220818	1.872346
ENSG0000011349	COX7B	cytochrom	ENSG0000011349	326.8196	1.052426	0.562295	1.871662
ENSG0000011992	SERPINB1	serpin fam	ENSG0000011992	52.89001	1.593327	0.851986	1.870133
ENSG0000017178	TPT1	tumor prot	ENSG0000017178	792.7642	0.975536	0.522124	1.8684
ENSG0000016282	S100A11	S100 calciu	ENSG0000016282	72.64097	1.419696	0.759989	1.868047
ENSG000001280007			ENSG000001280007	8.015184	-5.06461	2.711748	-1.86766
ENSG0000012701	GJA4	gap junctio	ENSG0000012701	20.35687	-2.87301	1.538508	-1.8674
ENSG0000015787	PTPRB	protein tyr	ENSG0000015787	209.5988	-1.12944	0.605115	-1.86649
ENSG000001196883	ADCY4	adenylate	ENSG000001196883	39.96267	-1.96284	1.051795	-1.86618
ENSG000001101241892	NPTN-IT1	NPTN intro	ENSG000001101241892	16.28788	-3.58692	1.922071	-1.86618
ENSG0000019572	NR1D1	nuclear rec	ENSG0000019572	16.22628	-3.58154	1.92133	-1.86409
ENSG0000014133	MAP2	microtubul	ENSG0000014133	24.83442	-2.55057	1.369009	-1.86308
ENSG00000129126	CD274	CD274 mol	ENSG00000129126	30.85299	1.909885	1.025125	1.863075
ENSG00000123180	RFTN1	raftlin, lipi	ENSG00000123180	102.9843	-1.35013	0.724703	-1.86301
ENSG000001149345	SHISA4	shisa famil	ENSG000001149345	77.80055	1.396138	0.74956	1.862611
ENSG0000014123	MAN2C1	mannosida	ENSG0000014123	43.32518	-1.87629	1.007724	-1.86191
ENSG0000013604	TNFRSF9	TNF recept	ENSG0000013604	3.248606	6.224238	3.342968	1.86189
ENSG000001406893	MIR101-1	microRNA	ENSG000001406893	3.248606	6.224238	3.342968	1.86189
ENSG00000157535	KIAA1324	KIAA1324	ENSG00000157535	3.248606	6.224238	3.342968	1.86189
ENSG000001441168	CALHM6	calcium ho	ENSG000001441168	3.248606	6.224238	3.342968	1.86189
ENSG000001154075	SAMD3	sterile alph	ENSG000001154075	3.248606	6.224238	3.342968	1.86189
ENSG000001654816	NCF1B	neutrophil	ENSG000001654816	3.248606	6.224238	3.342968	1.86189
ENSG0000013902	LAG3	lymphocyt	ENSG0000013902	3.248606	6.224238	3.342968	1.86189
ENSG000001258476			ENSG000001258476	3.248606	6.224238	3.342968	1.86189
ENSG00000129108	PYCARD	PYD and C/	ENSG00000129108	3.248606	6.224238	3.342968	1.86189
ENSG000001260078			ENSG000001260078	3.248606	6.224238	3.342968	1.86189
ENSG000001146225	CMTM2	CKLF like M	ENSG000001146225	3.248606	6.224238	3.342968	1.86189
ENSG0000011084	CEACAM3	carcinoeml	ENSG0000011084	3.248606	6.224238	3.342968	1.86189
ENSG00000156344	CABP5	calcium bir	ENSG00000156344	3.248606	6.224238	3.342968	1.86189
ENSG000001256236	NAPSB	napsin B as	ENSG000001256236	3.248606	6.224238	3.342968	1.86189
ENSG000001280220			ENSG000001280220	3.248606	6.224238	3.342968	1.86189
ENSG00000181030	ZBP1	Z-DNA binc	ENSG00000181030	3.248606	6.224238	3.342968	1.86189
ENSG0000013299	HSF4	heat shock	ENSG0000013299	7.891988	-5.04347	2.713144	-1.8589
ENSG00000184941	HSH2D	hematopoi	ENSG00000184941	5.612607	4.570631	2.459161	1.858614
ENSG00000158498	MYL7	myosin lig	ENSG00000158498	149.9079	1.166843	0.627804	1.85861
ENSG00000128996	HIPK2	homeodon	ENSG00000128996	609.543	-1.01533	0.546821	-1.85678
ENSG0000015745	PTH1R	parathyroi	ENSG0000015745	7.853015	-5.03917	2.714299	-1.85653
ENSG0000015698	PSMB9	proteasom	ENSG0000015698	16.26304	2.636656	1.420303	1.856405
ENSG000001388325	SCIMP	SLP adapto	ENSG000001388325	10.16732	3.264443	1.758911	1.855946



ENSG00000125822	DNAJB5	DnaJ heat shock	ENSG00000154542	1.555254	0.838806	1.854128
ENSG0000011520	CTSS	cathepsin S	ENSG0000011572679	3.608107	1.948143	1.852075
ENSG0000015569	PKIA	cAMP-dependent	ENSG0000012377352	1.096701	0.592811	1.850002
ENSG00000155567	DNAH3	dynein axonemal	ENSG0000017959863	-5.06212	2.736658	-1.84975
ENSG0000010236304			ENSG0000019494978	3.21159	1.738993	1.846811
ENSG00000157685	CACHD1	cache domain	ENSG0000011604776	-3.56955	1.932875	-1.84676
ENSG0000019057	SLC7A6	solute carrier	ENSG0000013612372	-2.0496	1.109896	-1.84666
ENSG0000015195	PEX14	peroxisomal	ENSG0000017869363	-5.0372	2.730397	-1.84486
ENSG0000017145	TNS1	tensin 1	ENSG0000012319051	-0.88853	0.481793	-1.84421
ENSG0000014707	NDUFB1	NADH:ubiquinone	ENSG0000018627844	1.333255	0.723768	1.842103
ENSG000001574406	ADAMTSL4	ADAMTSL4	ENSG0000018514642	3.374558	1.832315	1.841691
ENSG000001364	AQP7	aquaporin	ENSG000001161151	-1.17385	0.637394	-1.84163
ENSG0000014223	MEOX2	mesenchymal	ENSG0000011583407	-3.54554	1.926227	-1.84067
ENSG00000179776	ZFHX4	zinc finger	ENSG0000017729819	-5.01765	2.729007	-1.83864
ENSG0000015912	RAP2B	RAP2B, member	ENSG0000013847334	1.83272	0.997054	1.838135
ENSG00000155619	DOCK10	dedicator of	ENSG0000012036433	2.234775	1.215911	1.837943
ENSG000001150684	COMMD1	copper metallo	ENSG0000013087561	1.9033	1.035858	1.837414
ENSG0000018942	KYNU	kynureninase	ENSG0000018430419	3.512828	1.913558	1.835758
ENSG00000125885	POLR1A	RNA polymerase	ENSG0000016293961	-1.5652	0.852768	-1.83543
ENSG00000125759	SHC2	SHC adaptor	ENSG0000017684569	-5.00471	2.72934	-1.83367
ENSG0000019828	ARHGEF17	Rho guanine	ENSG0000018907792	-1.38673	0.756362	-1.83343
ENSG00000165009	NDRG4	NDRG family	ENSG0000016875928	-0.98823	0.539323	-1.83236
ENSG000001196264	MPZL3	myelin proteo	ENSG0000011153987	2.909391	1.588906	1.831065
ENSG00000129992	PILRA	paired immun	ENSG0000011055954	2.999732	1.638816	1.830426
ENSG000001100653515	CEP295NL	CEP295 N-terminal	ENSG0000011055954	2.999732	1.638816	1.830426
ENSG000001170371	TMEM273	transmembrane	ENSG0000012513798	2.035932	1.112975	1.82927
ENSG000001845	CASQ2	calcium seque	ENSG0000019632304	0.925259	0.505991	1.828607
ENSG00000123452	ANGPTL2	angiopoietin	ENSG0000016601676	-1.52974	0.836986	-1.82768
ENSG0000017140	TNNT3	troponin T	ENSG0000016822407	-4.08671	2.239109	-1.82515
ENSG000001400506	KNOP1	lysine rich	ENSG0000017583998	-4.98929	2.735081	-1.82418
ENSG000001288	ANK3	ankyrin 3	ENSG0000013937334	-1.06266	0.583284	-1.82185
ENSG000001374977	MROH7	maestro helix	ENSG0000017836667	-5.04071	2.767911	-1.82112
ENSG00000157514	ARHGAP31	Rho GTPase	ENSG0000012082175	-1.14691	0.62978	-1.82112
ENSG0000014584	MUC3A	mucin 3A, type	ENSG000001778514	-5.02026	2.758081	-1.8202
ENSG0000011612	DAPK1	death associ	ENSG0000012330011	2.380776	1.308061	1.82008
ENSG00000180323	CCDC68	coiled-coil	ENSG0000011973461	-2.82471	1.552031	-1.82001
ENSG00000184726	PRRC2B	proline rich	ENSG0000012197803	-1.10002	0.604844	-1.81868
ENSG000001830	CAPZA2	capping associ	ENSG0000012174154	1.064209	0.585327	1.818143
ENSG0000012201	FBN2	fibrillin 2	ENSG0000016647412	1.628214	0.896006	1.81719
ENSG0000017421	VDR	vitamin D recept	ENSG0000018453044	3.42257	1.885593	1.815116
ENSG00000164127	NOD2	nucleotide	ENSG0000018453044	3.42257	1.885593	1.815116
ENSG0000011663	DDX11	DEAD/H-box	ENSG00000175224	-4.9782	2.742952	-1.81491
ENSG00000123046	KIF21B	kinesin family	ENSG0000019041167	3.600578	1.987345	1.811753
ENSG0000011281	COL3A1	collagen type	ENSG0000012169895	1.158034	0.639314	1.811369
ENSG0000016586	SLIT3	slit guidance	ENSG0000015288097	-1.67952	0.927348	-1.8111
ENSG00000123493	HEY2	hes related	ENSG0000014903574	-1.71181	0.945715	-1.81007
ENSG000001509	ATP5F1C	ATP synthase	ENSG0000013181524	1.026442	0.567137	1.809868

ENSG000001729230	CCR2	C-C motif c	ENSG000001729230	8.184027	3.733986	2.064555	1.808616
ENSG000001728384			ENSG000001728384	7.47715	-4.96489	2.746637	-1.80762
ENSG0000016535	SLC6A8	solute carr	ENSG0000016535	127.8919	-1.25865	0.697056	-1.80566
ENSG00000111188	NISCH	nischarin	ENSG00000111188	58.83164	-1.57656	0.873501	-1.80488
ENSG00000185379	KIAA1671	KIAA1671	ENSG00000185379	56.32417	-1.77923	0.986103	-1.8043
ENSG00000110610	ST6GALNA	ST6 N-acet	ENSG00000110610	10.47531	3.083069	1.708788	1.804243
ENSG00000155122	AKIRIN2	akirin 2	ENSG00000155122	20.54913	2.198115	1.220427	1.801103
ENSG0000018780	RIOK3	RIO kinase	ENSG0000018780	94.62686	1.287596	0.715042	1.800729
ENSG0000016939	TCF15	transcripti	ENSG0000016939	7.376579	-4.94904	2.750002	-1.79965
ENSG000001116983	ACAP3	ArfGAP wit	ENSG000001116983	27.40244	-2.25615	1.254528	-1.79841
ENSG000001100506195	LARGE-AS1	LARGE anti	ENSG000001100506195	7.353954	-4.94224	2.750816	-1.79665
ENSG00000184333	PCGF5	polycomb	ENSG00000184333	154.9019	1.115937	0.621183	1.79647
ENSG00000184181	CHD6	chromodor	ENSG00000184181	134.4785	-1.1994	0.667864	-1.79587
ENSG0000015351	PLOD1	procollage	ENSG0000015351	58.6016	-1.56963	0.875001	-1.79387
ENSG00000155083	KIF26B	kinesin fan	ENSG00000155083	14.91834	2.520434	1.405788	1.792899
ENSG0000015097	PCDH1	protocadhe	ENSG0000015097	51.89919	-1.64691	0.918716	-1.79262
ENSG0000013398	ID2	inhibitor o	ENSG0000013398	31.0277	-2.09505	1.168747	-1.79256
ENSG0000016711	SPTBN1	spectrin be	ENSG0000016711	2118.453	-0.92662	0.517017	-1.79224
ENSG0000014122	MAN2A2	mannosida	ENSG0000014122	106.1606	-1.27373	0.711847	-1.78933
ENSG0000019185	REPS2	RALBP1 as	ENSG0000019185	29.89868	2.206042	1.234897	1.786417
ENSG0000013310	HSPA6	heat shock	ENSG0000013310	9.579201	3.111152	1.741727	1.786245
ENSG0000015420	PODXL	podocalyxi	ENSG0000015420	258.2749	-1.35355	0.757929	-1.78585
ENSG0000016449	SGTA	small gluta	ENSG0000016449	31.37466	-2.11146	1.182807	-1.78513
ENSG000001692225	SNORD94	small nucle	ENSG000001692225	16.12872	2.398338	1.345202	1.782883
ENSG00000157124	CD248	CD248 mol	ENSG00000157124	7.230758	-4.91926	2.759634	-1.78258
ENSG0000019612	NCOR2	nuclear rec	ENSG0000019612	87.2564	-1.35128	0.758739	-1.78096
ENSG000001151056	PLB1	phospholip	ENSG000001151056	9.702397	3.038302	1.706101	1.780845
ENSG000001147372	CCBE1	collagen ar	ENSG000001147372	7.7191	3.427858	1.925519	1.780225
ENSG0000014140	MARK3	microtubul	ENSG0000014140	166.9506	-1.12213	0.630929	-1.77854
ENSG000001144809	FAM216B	family with	ENSG000001144809	5.735803	4.344762	2.442981	1.778468
ENSG0000012209	FCGR1A	Fc fragmer	ENSG0000012209	6.738764	3.690597	2.075668	1.778028
ENSG000001597	BCL2A1	BCL2 relat	ENSG000001597	6.738764	3.690597	2.075668	1.778028
ENSG000001353514	LILRA5	leukocyte i	ENSG000001353514	6.738764	3.690597	2.075668	1.778028
ENSG000001400322	HERC2P2	hect doma	ENSG000001400322	26.94236	-2.22762	1.253332	-1.77736
ENSG0000011909	EDNRA	endothelin	ENSG0000011909	19.03441	-2.77094	1.559084	-1.77729
ENSG000001834	CASP1	caspase 1	ENSG000001834	18.13465	2.326976	1.309535	1.776949
ENSG0000013745	KCNB1	potassium	ENSG0000013745	19.05704	-2.77376	1.561874	-1.77592
ENSG0000011326	MAP3K8	mitogen-ac	ENSG0000011326	15.17911	-3.4868	1.965327	-1.77416
ENSG00000123526	ARHGAP45	Rho GTPas	ENSG00000123526	15.61331	2.559139	1.442633	1.773936
ENSG0000018870	IER3	immediate	ENSG0000018870	6.800362	3.625048	2.043624	1.773833
ENSG0000013753	KCNE1	potassium	ENSG0000013753	6.800362	3.625048	2.043624	1.773833
ENSG00000194	ACVRL1	activin A re	ENSG00000194	54.8079	-1.59253	0.89785	-1.77371
ENSG000001586	BCAT1	branched c	ENSG000001586	40.08705	1.871762	1.056225	1.772125
ENSG00000123580	CDC42EP4	CDC42 effe	ENSG00000123580	75.87674	-1.45817	0.823539	-1.77061
ENSG00000125937	WWTR1	WW doma	ENSG00000125937	101.1314	-1.31667	0.743892	-1.76997
ENSG00000156101	PCDHGB5	protocadhe	ENSG00000156101	15.03329	-3.47185	1.963058	-1.76859
ENSG0000019764	KIAA0513	KIAA0513	ENSG0000019764	40.30977	1.767957	1.000636	1.766834

ENSG0000012623	STK17A	serine/threonine kinase	44.3568	1.757837	0.995004	1.766664
ENSG0000018655	DYNLL1	dynein light chain	51.01879	1.500458	0.849981	1.765284
ENSG0000014878	NPPA	natriuretic peptide	5.881624	3.912119	2.216544	1.764964
ENSG0000014886	NPY1R	neuropeptide Y receptor	5.881624	3.912119	2.216544	1.764964
ENSG000001100506115	SMIM25	small integral membrane protein	5.881624	3.912119	2.216544	1.764964
ENSG0000013134	HLA-F	major histocompatibility complex class II	30.77504	1.911976	1.083928	1.763932
ENSG0000019457	FHL5	four and a half LIM domain 5	18.93384	-2.7643	1.567927	-1.76303
ENSG0000014239	MFAP4	microfibrillar-associated protein 4	67.91727	-1.46929	0.834069	-1.7616
ENSG0000019246	UBE2L6	ubiquitin-conjugating enzyme E2 L6	41.76275	1.712685	0.972409	1.76128
ENSG00000123586	DDX58	DEXD/H-box domain-containing protein 58	39.45407	1.640675	0.932205	1.759994
ENSG0000017448	VTN	vitronectin	20.31908	2.26037	1.284373	1.759901
ENSG00000111213	IRAK3	interleukin-1 receptor-associated kinase 3	106.0093	1.260055	0.716036	1.759765
ENSG000001149603	RNF187	ring finger protein 187	44.6462	-1.72895	0.982599	-1.75957
ENSG0000010276545			14.6964	-3.43429	1.951924	-1.75944
ENSG000001353	APRT	adenine phosphoribosyltransferase	7.360232	-4.95062	2.813865	-1.75937
ENSG00000123621	BACE1	beta-secretase 1	41.44585	-1.80017	1.023253	-1.75926
ENSG0000011843	DUSP1	dual-specific phosphatase 1	197.643	-1.08507	0.61688	-1.75897
ENSG00000154518	APBB1IP	amyloid beta precursor protein-binding 1 interacting protein	16.67787	2.491856	1.417332	1.758131
ENSG000001100505994	LUCAT1	lung cancer associated transcript 1	5.024484	4.264749	2.427379	1.756936
ENSG0000010260528			5.024484	4.264749	2.427379	1.756936
ENSG00000180216	ALPK1	alpha kinase 1	36.68635	1.701433	0.969557	1.754855
ENSG0000014193	MDM2	MDM2 protein	104.524	1.199249	0.68367	1.754134
ENSG00000159	ACTA2	actin, alpha 2	67.26611	-1.45177	0.827777	-1.75382
ENSG0000012210	FCGR1B	Fc gamma receptor 1B	4.105746	5.081715	2.898864	1.753002
ENSG0000013557	IL1RN	interleukin-1 receptor antagonist	4.105746	5.081715	2.898864	1.753002
ENSG00000155024	BANK1	B cell scaffold protein 1	4.105746	5.081715	2.898864	1.753002
ENSG0000018357	HIST1H3H	histone cluster 1 H3 variant H	4.105746	5.081715	2.898864	1.753002
ENSG00000193432	MGAM2	maltase-glycosylase 2	4.105746	5.081715	2.898864	1.753002
ENSG0000017538	ZFP36	ZFP36 ring finger protein	93.27024	-1.46859	0.837961	-1.75258
ENSG0000014689	NCF4	neutrophil cytosolic factor 4	12.29644	2.906066	1.658216	1.752526
ENSG00000122920	KIFAP3	kinesin associated protein 3	59.05922	1.419846	0.810439	1.751945
ENSG0000016144	RPL21	ribosomal protein L21	288.9389	0.981834	0.56096	1.750275
ENSG0000015212	VIT	vitrin	41.38046	-1.80143	1.029332	-1.7501
ENSG000001133584	EGFLAM	EGF like, fibronectin type III domain containing	34.40656	-1.96585	1.124098	-1.74882
ENSG0000018673	VAMP8	vesicle associated membrane protein 8	11.89311	2.699894	1.544335	1.748257
ENSG00000129801	ZDHHC8	zinc finger domain-containing protein 8	6.961742	-4.86499	2.782796	-1.74824
ENSG0000017078	TIMP3	TIMP metalloproteinase inhibitor 3	993.5003	-0.88398	0.505846	-1.74753
ENSG0000015336	PLCG2	phospholipase C gamma 2	24.05707	2.046223	1.170995	1.747423
ENSG0000010261616			6.984367	-4.8721	2.793153	-1.7443
ENSG00000155313	CPPED1	calcineurin phosphatidylesterase domain-containing protein 1	35.74499	1.692059	0.970103	1.744205
ENSG00000126034	IPCEF1	interaction protein for C/EBP epsilon	10.96287	3.247437	1.862311	1.743768
ENSG00000110094	ARPC3	actin related protein complex 3	53.93233	1.456869	0.836744	1.741116
ENSG00000156204	FAM214A	family with sequence similarity 214 member A	57.63865	-1.54331	0.886624	-1.74065
ENSG0000019586	CREB5	cAMP response element-binding protein 5	54.16578	1.590601	0.914045	1.740178
ENSG000001375061	FAM89A	family with sequence similarity 89 member A	6.900144	-4.8529	2.790182	-1.73928
ENSG000001729658	PACRG-AS1	PACRG antisense transcript 1	6.900144	-4.8529	2.790182	-1.73928
ENSG0000011047	CLGN	calmegin	117.8434	1.167688	0.671398	1.739187

ENSG0000018028	MLLT10	MLLT10, hi	ENSG00000147.46061	-1.65732	0.953134	-1.73881
ENSG00000157467	HHATL	hedgehog	ENSG000001149.7789	1.120416	0.645404	1.735994
ENSG000001136319	MTPN	myotrophin	ENSG000001138.551	1.119778	0.645164	1.735648
ENSG0000013664	IRF6	interferon	ENSG00000155.01911	-1.5964	0.920755	-1.73379
ENSG0000014700	NDUFA6	NADH:ubiquinone	ENSG000001115.0116	1.181237	0.681583	1.733079
ENSG000001163720	CYP4Z2P	cytochrome	ENSG0000016.922769	-4.86003	2.805721	-1.73218
ENSG000001283897	C16orf54	chromosome	ENSG0000015.943222	3.83001	2.213672	1.730162
ENSG000001677833	SNORA54	small nucleolar	ENSG00000121.10979	2.069135	1.195955	1.730111
ENSG0000019882	TBC1D4	TBC1 domain	ENSG000001200.1668	-1.04777	0.60567	-1.72993
ENSG000001105378803	LRRC53	leucine rich	ENSG0000016.838546	-4.84071	2.799109	-1.72938
ENSG00000183439	TCF7L1	transcription	ENSG0000016.838546	-4.84071	2.799109	-1.72938
ENSG0000017760	ZNF213	zinc finger	ENSG0000016.815921	-4.83339	2.79498	-1.72931
ENSG000001677837	SNORA60	small nucleolar	ENSG0000014.167344	4.983098	2.886664	1.726248
ENSG0000013090	HIC1	HIC ZBTB	ENSG0000017.224481	-4.91089	2.846454	-1.72527
ENSG0000013717	JAK2	Janus kinase	ENSG00000187.50177	1.242022	0.720155	1.724659
ENSG00000164772	ENGASE	endo-beta-	ENSG00000114.24259	-3.38828	1.966931	-1.72262
ENSG000001283131	NEAT1	nuclear paraspeckle	ENSG0000015410.641	-0.81498	0.473734	-1.72033
ENSG00000123499	MACF1	microtubule	ENSG0000011308.863	-0.84351	0.490443	-1.71989
ENSG00000123139	MAST2	microtubule	ENSG000001150.1746	-1.12861	0.656261	-1.71976
ENSG0000011303	COL12A1	collagen type	ENSG000001113.2172	-1.20899	0.703467	-1.71862
ENSG00000110192777C	LOC101927	uncharacterized	ENSG0000018.660463	3.210345	1.868535	1.718109
ENSG0000012334	AFF2	AF4/FMR2	ENSG0000018.660463	3.210345	1.868535	1.718109
ENSG00000158494	JAM2	junctional	ENSG00000141.89339	-1.8164	1.057396	-1.7178
ENSG00000179784	MYH14	myosin heavy	ENSG000001102.1959	-1.26934	0.739197	-1.71719
ENSG0000014091	SMAD6	SMAD family	ENSG00000122.90606	-2.42268	1.412531	-1.71514
ENSG00000155107	ANO1	anoctamin	ENSG00000114.13574	-3.37463	1.967832	-1.7149
ENSG0000016324	SCN1B	sodium voltage	ENSG00000126.06299	2.029386	1.18405	1.713936
ENSG0000015774	PTPN3	protein tyrosine	ENSG000001144.3169	-1.14421	0.667802	-1.7134
ENSG0000013653	IPW	imprinted	ENSG000001281.1149	-1.05246	0.614403	-1.71298
ENSG00000159286	UBL5	ubiquitin ligase	ENSG00000156.84588	1.417796	0.827708	1.712918
ENSG000001156	GRK2	G protein-coupled	ENSG00000152.93565	1.445204	0.843921	1.712487
ENSG00000164174	DPEP2	dipeptidase	ENSG0000017.864921	3.237584	1.890734	1.712342
ENSG00000110351	ABCA8	ATP binding	ENSG000001267.3134	-0.98464	0.575606	-1.71062
ENSG0000018407	TAGLN2	transgelin	ENSG000001145.0456	1.088438	0.636701	1.709495
ENSG00000179083	MLPH	melanophilin	ENSG00000130.52236	-2.06621	1.20957	-1.70822
ENSG0000012059	EPS8	epidermal	ENSG00000182.0007	-1.32566	0.776402	-1.70744
ENSG00000184675	TRIM55	tripartite	ENSG00000161.84813	1.4581	0.854209	1.70696
ENSG000001222389	BEND7	BEN domain	ENSG00000118.08154	-2.69137	1.578509	-1.70501
ENSG0000018639	AOC3	amine oxidase	ENSG00000126.80909	-2.22358	1.30511	-1.70375
ENSG000001157285	PRAG1	PEAK1 related	ENSG0000016.631127	-4.79602	2.816801	-1.70265
ENSG00000157659	ZBTB4	zinc finger	ENSG000001159.9162	-1.08287	0.636579	-1.70108
ENSG0000012274	FHL2	four and a	ENSG000001923.9985	0.845299	0.497096	1.700476
ENSG000001864	RUNX3	runt related	ENSG0000014.962886	4.382671	2.577816	1.700149
ENSG0000017135	TNNI1	troponin I1	ENSG0000014.962886	4.382671	2.577816	1.700149
ENSG000001115761	ARL11	ADP ribosyl	ENSG0000014.962886	4.382671	2.577816	1.700149
ENSG00000130845	EHD3	EH domain	ENSG00000146.69896	1.49293	0.878949	1.69854
ENSG00000111343	MGLL	monoglycine	ENSG000001186.5368	-1.20922	0.712103	-1.6981

ENSG00000184627	ZNF469	zinc finger	ENSG0000016709072	-4.80627	2.832362	-1.69691
ENSG000001222166	MTURN	maturin, n	ENSG00000172.09849	1.287463	0.759244	1.695717
ENSG0000012710	GK	glycerol kir	ENSG00000125.77658	1.9364	1.143272	1.693735
ENSG00000110099659C	LINC01505	long interg	ENSG0000016.546904	-4.77572	2.820052	-1.69349
ENSG00000125911	DPCD	deleted in	ENSG0000016.546904	-4.77572	2.820052	-1.69349
ENSG00000157690	TNRC6C	trinucleot	ENSG00000171.92323	-1.36477	0.806003	-1.69326
ENSG00000100273237			ENSG0000016.653752	-4.80339	2.836839	-1.69322
ENSG00000151754	TMEM8B	transmem	ENSG00000113.9673	-3.35461	1.982733	-1.69191
ENSG00000100235997			ENSG00000131.9454	1.778634	1.051265	1.691899
ENSG00000157480	PLEKHG1	pleckstrin	ENSG00000149.66283	-1.5732	0.930268	-1.69112
ENSG00000129924	EPN1	epsin 1	ENSG00000178.18817	-1.32632	0.784477	-1.6907
ENSG00000124145	PANX1	pannexin 1	ENSG00000139.01177	1.581611	0.936323	1.689173
ENSG0000013339	HSPG2	heparan su	ENSG000001363.8002	-0.96718	0.573017	-1.68787
ENSG00000156099	PCDHGB7	protocadhe	ENSG00000125.59727	-2.14624	1.271578	-1.68786
ENSG0000013148	HMGB2	high mobil	ENSG00000153.25999	1.42913	0.847102	1.687082
ENSG00000123312	DMXL2	Dmx like 2	ENSG00000154.84623	1.398511	0.829155	1.686669
ENSG00000123031	MAST3	microtubul	ENSG00000115.29421	2.366871	1.404119	1.685663
ENSG0000013767	KCNJ11	potassium	ENSG0000016.524279	-4.76805	2.829424	-1.68517
ENSG000001143686	SESN3	sestrin 3	ENSG00000144.64883	1.559126	0.925229	1.685124
ENSG0000017388	UQCRH	ubiquinol-c	ENSG000001223.9642	1.029157	0.61128	1.683611
ENSG000001374655	ZNF710	zinc finger	ENSG00000132.93828	-1.89525	1.127814	-1.68047
ENSG00000100271401			ENSG00000121.92677	-2.36001	1.405045	-1.67967
ENSG0000018935	SKAP2	src kinase	ENSG00000136.44519	1.625227	0.968386	1.678284
ENSG00000164326	COP1	COP1, E3 u	ENSG00000144.09968	1.517913	0.904757	1.677702
ENSG000001114897	C1QTNF1	C1q and TN	ENSG00000178.56796	-1.42604	0.850888	-1.67594
ENSG000001829	CAPZA1	capping ac	ENSG00000175.95968	1.272107	0.759842	1.674173
ENSG000001100101267	POM121C	POM121 tr	ENSG00000121.78095	-2.34912	1.403652	-1.67358
ENSG00000151276	ZNF571	zinc finger	ENSG0000016.401083	-4.74208	2.835364	-1.67248
ENSG0000012	A2M	alpha-2-m	ENSG0000011836.034	0.828232	0.495328	1.672088
ENSG0000014547	MTTP	microsoma	ENSG0000017.007781	3.329556	1.992539	1.671012
ENSG00000125851	TECPR1	tectonin be	ENSG00000117.64408	-2.65189	1.589298	-1.6686
ENSG00000127443	CECR2	CECR2, hist	ENSG00000132.40652	-1.87064	1.1222	-1.66694
ENSG000001349565	NMNAT3	nicotinami	ENSG0000016.563251	-4.77352	2.864909	-1.6662
ENSG0000015506	PPP1R3A	protein ph	ENSG000001214.6292	1.033729	0.620914	1.664849
ENSG000001101929335	ADAMTS9-	ADAMTS9	ENSG00000113.51348	-3.3059	1.987489	-1.66335
ENSG0000016168	RPL37A	ribosomal	ENSG000001365.802	0.922275	0.554536	1.663147
ENSG0000019535	GMFG	glia matur	ENSG00000116.29717	2.330179	1.401611	1.6625
ENSG0000019551	ATP5MF	ATP syntha	ENSG00000155.15422	1.381523	0.831415	1.661654
ENSG0000013304	HSPA1B	heat shock	ENSG00000148.95636	-1.54864	0.932437	-1.66085
ENSG0000016468	FBXW4	F-box and	ENSG00000158.82641	-1.45198	0.874334	-1.66067
ENSG0000014259	MGST3	microsoma	ENSG000001167.674	1.020842	0.614746	1.660591
ENSG000001338811	FAM19A2	family with	ENSG0000016.946183	3.385981	2.039611	1.660111
ENSG000001147138	TMC8	transmem	ENSG0000016.946183	3.385981	2.039611	1.660111
ENSG0000019578	CDC42BPB	CDC42 bin	ENSG000001136.0733	-1.1266	0.678982	-1.65925
ENSG00000110857	PGRMC1	progester	ENSG00000145.88707	1.467344	0.884352	1.659232
ENSG000001636	BICD1	BICD cargo	ENSG00000113.61406	-3.31504	2.000842	-1.65682
ENSG0000018398	PLA2G6	phospholip	ENSG0000016.277887	-4.71566	2.847416	-1.65612

ENSG0000010142	AKAP9	A-kinase an	ENSG000001291.6273	-0.93587	0.565104	-1.6561
ENSG0000015648	MASP1	mannan bi	ENSG000001107.3568	1.476877	0.891872	1.65593
ENSG00000110397	NDRG1	N-myc dow	ENSG000001140.5519	-1.09573	0.661994	-1.65519
ENSG00000181890	QTRT1	queuine tR	ENSG0000016.31686	-4.72101	2.85295	-1.65478
ENSG0000011462	VCAN	versican	ENSG000001253.814	0.950137	0.574392	1.65416
ENSG0000019213	XPR1	xenotropic	ENSG000001172.385	1.00794	0.609802	1.652898
ENSG000001127544	RNF19B	ring finger	ENSG00000134.17653	1.632871	0.988104	1.652529
ENSG00000154538	ROBO4	roundabou	ENSG00000135.77531	-1.78102	1.077928	-1.65227
ENSG0000018578	SCARF1	scavenger	ENSG00000117.39769	-2.63127	1.593466	-1.65129
ENSG00000154102	CLIC6	chloride in	ENSG0000016.809643	-4.82493	2.923928	-1.65016
ENSG0000010233757			ENSG0000016.255262	-4.70764	2.854585	-1.64915
ENSG00000181553	FAM49A	family with	ENSG00000119.14911	2.072293	1.256624	1.649095
ENSG00000155626	AMBRA1	autophagy	ENSG00000128.6518	-1.96826	1.194387	-1.64793
ENSG00000123788	MTCH2	mitochond	ENSG00000152.24696	1.415166	0.859095	1.647275
ENSG000001642776	DANT2	DXZ4 assoc	ENSG0000016.216289	-4.70226	2.855886	-1.64651
ENSG0000016909	TBX2	T-box 2	ENSG00000113.28972	-3.28366	1.995355	-1.64565
ENSG0000014694	NDUFA1	NADH:ubic	ENSG000001191.3342	0.996304	0.605642	1.645038
ENSG0000019069	CLDN12	claudin 12	ENSG00000145.87293	-1.59766	0.97138	-1.64473
ENSG00000110585	POMT1	protein O-r	ENSG00000121.33721	-2.31246	1.406426	-1.64421
ENSG000001158401	C9orf84	chromosom	ENSG00000120.52166	1.990866	1.211423	1.643412
ENSG00000157458	TMCC3	transmembr	ENSG00000121.73204	1.940825	1.181393	1.642828
ENSG0000010255471			ENSG0000016.193664	-4.69416	2.857847	-1.64255
ENSG000001202333	CMYA5	cardiomyo	ENSG0000016902.751	-0.78071	0.475567	-1.64163
ENSG0000011981	EIF4G1	eukaryotic	ENSG000001407.5584	-0.90728	0.552885	-1.641
ENSG000001144165	PRICKLE1	prickle plar	ENSG00000113.2055	-3.27301	1.994618	-1.64092
ENSG00000157506	MAVS	mitochond	ENSG000001281.6529	-0.93241	0.568281	-1.64076
ENSG0000016279	S100A8	S100 calciu	ENSG00000177.04138	3.424218	2.087539	1.640313
ENSG00000157519	STARD9	StAR relate	ENSG00000172.25776	-1.47339	0.898278	-1.64024
ENSG000001478	ATP1A3	ATPase Na	ENSG000001262.8431	-1.06458	0.649057	-1.64019
ENSG0000014313	MMP2	matrix met	ENSG000001136.2554	-1.08537	0.662906	-1.63729
ENSG0000013912	LAMB1	laminin sul	ENSG000001262.7994	-0.97625	0.596329	-1.6371
ENSG00000110723	SLC12A7	solute carr	ENSG00000198.02113	-1.197	0.731221	-1.63698
ENSG000001677800	SNORA12	small nucle	ENSG00000112.36955	2.473951	1.51164	1.6366
ENSG00000123363	OBSL1	obscurin li	ENSG000001106.5851	-1.15944	0.708494	-1.63648
ENSG0000016281	S100A10	S100 calciu	ENSG00000157.48448	1.382211	0.844645	1.63644
ENSG000001283149	BCL9L	B cell CLL/I	ENSG00000131.90746	-1.84458	1.127273	-1.63632
ENSG0000012176	FANCC	FA comple	ENSG00000117.29711	-2.62398	1.603716	-1.63619
ENSG00000154502	RBM47	RNA bindir	ENSG00000121.88898	2.091087	1.27817	1.636
ENSG00000192799	SHKBP1	SH3KBP1 b	ENSG00000118.14615	2.087354	1.27589	1.635999
ENSG0000010259924			ENSG0000016.154691	-4.68872	2.866156	-1.63589
ENSG0000010235940			ENSG0000016.323137	-4.73114	2.89258	-1.63561
ENSG0000015294	PIK3CG	phosphatic	ENSG00000115.96655	2.432599	1.487549	1.635307
ENSG000001114757	CYGB	cytoglobin	ENSG00000113.1439	-3.26634	1.997578	-1.63515
ENSG00000164321	SOX17	SRY-box 17	ENSG0000016.132066	-4.68056	2.862729	-1.635
ENSG0000014856	NOV	nephroblas	ENSG0000016.132066	-4.68056	2.862729	-1.635
ENSG000001100506965	PWAR6	Prader Wil	ENSG00000152.51373	-1.5178	0.928666	-1.63439
ENSG0000013556	IL1RAP	interleukin	ENSG00000121.48565	1.982724	1.213326	1.634124

ENSG00000191574	C12orf65	chromosom	ENSG00000131212	-3.26226	1.996833	-1.63372
ENSG0000012631	NIPSNAP2	nipsnap ho	ENSG000001277.4644	0.91182	0.558778	1.631809
ENSG0000013560	IL2RB	interleukin	ENSG0000016.089043	3.522006	2.158523	1.631674
ENSG0000011890	TYMP	thymidine	ENSG00000120.54429	1.979827	1.21376	1.631152
ENSG000001114823	LENG8	leukocyte r	ENSG00000173.086	-1.39464	0.855037	-1.63109
ENSG0000017381	UQCRB	ubiquinol-c	ENSG000001331.2087	0.899922	0.551895	1.630604
ENSG00000125945	NECTIN3	nectin cell	ENSG00000113.05967	-3.25555	1.998583	-1.62893
ENSG00000110672	GNA13	G protein s	ENSG00000181.65245	1.191298	0.731346	1.628912
ENSG000001130367	SGPP2	sphingosin	ENSG00000117.5146	-2.6376	1.619461	-1.62869
ENSG0000013487	IGFBP4	insulin like	ENSG000001207.6004	-0.99799	0.613038	-1.62795
ENSG000001399687	MYO18A	myosin XVI	ENSG000001294.0098	-0.96957	0.595784	-1.62738
ENSG0000012532	ACKR1	atypical ch	ENSG00000131.32326	-2.47108	1.519401	-1.62635
ENSG000001129563	DIS3L2	DIS3 like 3'	ENSG00000120.96762	-2.28626	1.406195	-1.62585
ENSG0000012199	FBLN2	fibulin 2	ENSG000001101.3082	-1.19305	0.734498	-1.6243
ENSG0000010273319			ENSG00000131.66107	-1.83254	1.129587	-1.62231
ENSG00000163976	PRDM16	PR/SET dor	ENSG00000117.14502	-2.60604	1.60662	-1.62207
ENSG0000015720	PSME1	proteasom	ENSG00000185.48578	1.225731	0.755669	1.622048
ENSG00000127180	SIGLEC9	sialic acid k	ENSG00000112.18475	2.542201	1.5673	1.622026
ENSG00000110170	DHRS9	dehydroge	ENSG0000018.133938	2.988382	1.842438	1.621972
ENSG0000016714	SRC	SRC proto-	ENSG0000018.133938	2.988382	1.842438	1.621972
ENSG0000019710	KIAA0355	KIAA0355	ENSG00000162.76344	-1.44111	0.888738	-1.62153
ENSG00000151360	MBTPS2	membrane	ENSG00000120.90602	-2.28186	1.407236	-1.62152
ENSG0000011822	ATN1	atrophin 1	ENSG000001103.2967	-1.16492	0.718757	-1.62074
ENSG00000156107	PCDHGA9	protocadhe	ENSG00000124.75125	-2.09356	1.292809	-1.61939
ENSG00000127350	APOBEC3C	apolipopro	ENSG00000132.04741	1.633276	1.009596	1.617751
ENSG0000014221	MEN1	menin 1	ENSG0000016.00887	-4.65298	2.877535	-1.617
ENSG00000157184	FAM219B	family with	ENSG00000125.06931	-2.10886	1.304948	-1.61605
ENSG0000018633	UNC5C	unc-5 netri	ENSG00000113.04333	-3.25692	2.015759	-1.61573
ENSG0000016207	RPS13	ribosomal	ENSG000001165.31	0.994409	0.616187	1.61381
ENSG0000012289	FKBP5	FK506 bind	ENSG000001393.6523	0.932795	0.57809	1.613582
ENSG000001285	ANGPT2	angiopoiet	ENSG00000125.29556	-2.13043	1.320402	-1.61347
ENSG0000014879	NPPB	natriuretic	ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG0000010261573			ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG00000164866	CDCP1	CUB doma	ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG0000011776	DNASE1L3	deoxyribor	ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG00000160675	PROK2	prokinetici	ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG0000010282572			ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG00000110643	IGF2BP3	insulin like	ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG0000010254263			ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG0000010212743			ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG00000157705	WDFY4	WDFY fami	ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG00000185329	LGALS12	galectin 12	ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG0000010259932			ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG000001342618	SLFN14	schlafen fa	ENSG0000012.598885	5.902298	3.661007	1.612206
ENSG00000156901	NDUFA4L2	NDUFA4, n	ENSG00000120.92237	-2.28098	1.415905	-1.61097
ENSG000001442721	LMOD2	leiomodini	ENSG0000011110.581	0.798393	0.495635	1.610848
ENSG0000012621	GAS6	growth arr	ENSG00000164.94174	-1.39366	0.865194	-1.61081

ENSG0000010930	APOBEC2	apolipoprotein	ENSG000001133.1343	1.044613	0.64895	1.609697
ENSG000001998	CDC42	cell division	ENSG000001192.6254	0.956513	0.594465	1.609031
ENSG0000014337	MOCS1	molybdenum	ENSG00000154.65684	-1.45345	0.903557	-1.60859
ENSG00000151142	CHCHD2	coiled-coil	ENSG000001106.5355	1.107785	0.689373	1.606946
ENSG00000157547	ZNF624	zinc finger	ENSG0000015.947272	-4.63898	2.887673	-1.60648
ENSG0000017534	YWHAZ	tyrosine 3-	ENSG000001308.0629	0.889955	0.554227	1.605757
ENSG000001347	APOD	apolipoprotein	ENSG000001454.6441	-2.16955	1.351276	-1.60556
ENSG00000123268	DNMBP	dynamamin b	ENSG00000131.36943	-1.81679	1.132264	-1.60457
ENSG00000110550	ARL6IP5	ADP ribosyl	ENSG000001203.9489	0.946219	0.5904	1.602672
ENSG0000010274642			ENSG0000016.699002	-4.81622	3.006533	-1.60192
ENSG0000013055	HCK	HCK proto-	ENSG00000129.54831	1.941397	1.212334	1.601371
ENSG0000014837	NNMT	nicotinamide	ENSG00000156.82925	-1.65659	1.034811	-1.60087
ENSG00000110221	TRIB1	tribbles pro	ENSG00000130.67486	1.666307	1.041596	1.599764
ENSG000001389257	LRRC14B	leucine rich	ENSG00000113.0534	-3.25024	2.03263	-1.59903
ENSG00000155616	ASAP3	ArfGAP with	ENSG00000160.27063	-1.37328	0.859808	-1.59719
ENSG0000015727	PTCH1	patched 1	ENSG00000116.9049	-2.58904	1.621399	-1.59679
ENSG000001185986			ENSG0000015.969897	-4.64721	2.910535	-1.59669
ENSG00000123187	PHLDB1	pleckstrin	ENSG000001132.6138	-1.08282	0.678215	-1.59657
ENSG000001254887	ZDHHC23	zinc finger	ENSG0000016.148414	-4.67841	2.930462	-1.59647
ENSG0000016584	SLC22A5	solute carrier	ENSG00000139.51121	-1.71935	1.077142	-1.59622
ENSG00000154210	TREM1	triggering	ENSG0000019.260094	2.758656	1.728429	1.596048
ENSG00000129780	PARVB	parvin beta	ENSG000001136.0382	-1.12561	0.705281	-1.59597
ENSG000001101928153	ITGA9-AS1	ITGA9 antisense	ENSG0000015.863049	-4.61631	2.892753	-1.59582
ENSG000001100507008	LINC00844	long intergenic	ENSG0000018.010742	3.074219	1.926676	1.595608
ENSG0000017040	TGFB1	transforming	ENSG00000120.8749	1.915215	1.200493	1.595356
ENSG000001710	SERPING1	serpin family	ENSG000001261.3311	-1.12664	0.706243	-1.59526
ENSG0000018675	STX16	syntrophin 16	ENSG00000116.73646	-2.57184	1.612335	-1.5951
ENSG000001140706	CCM2L	CCM2 like	ENSG0000015.885674	-4.62483	2.899881	-1.59483
ENSG0000010236540			ENSG0000015.885674	-4.62483	2.899881	-1.59483
ENSG00000156241	SUSD2	sushi domain	ENSG0000016.199941	-4.70401	2.94958	-1.59481
ENSG00000179845	RNF122	ring finger	ENSG00000112.66746	-3.21036	2.013265	-1.5946
ENSG00000155112	WDR60	WD repeat	ENSG00000157.2777	-1.40392	0.880648	-1.59419
ENSG000001100652988	LINC00702	long intergenic	ENSG00000142.83921	1.44298	0.905228	1.594051
ENSG00000179901	CYBRD1	cytochrome	ENSG000001270.1251	-0.96107	0.602921	-1.59402
ENSG0000016666	SOX12	SRF-box 12	ENSG00000112.64484	-3.20611	2.012222	-1.59332
ENSG0000019244	CRLF1	cytokine receptor	ENSG0000016.210012	-4.6923	2.945649	-1.59296
ENSG0000016888	TALDO1	transaldolase	ENSG00000152.74602	1.382428	0.868012	1.592637
ENSG00000155266	TMEM19	transmembrane	ENSG00000140.21103	1.477297	0.927977	1.591954
ENSG0000015924	RASGRF2	Ras protein	ENSG00000141.18795	-1.59448	1.001789	-1.59164
ENSG0000013663	IRF5	interferon	ENSG0000019.932441	2.84086	1.785373	1.591186
ENSG000001187229			ENSG0000015.902022	-4.62207	2.906252	-1.59039
ENSG0000017408	VASP	vasodilator	ENSG00000150.91861	1.358208	0.854938	1.588662
ENSG00000111231	SEC63	SEC63 homolog	ENSG00000162.99454	-1.3386	0.842606	-1.58864
ENSG00000151699	VPS29	VPS29, retromer	ENSG00000141.62883	1.450911	0.913788	1.587798
ENSG0000018360	HIST1H4D	histone cluster	ENSG00000111.38921	2.511753	1.582034	1.587673
ENSG0000019881	TRANK1	tetratricopeptide	ENSG00000151.76529	1.516854	0.955419	1.587632
ENSG00000110906	TRAFD1	TRAF-type	ENSG00000142.93978	1.43765	0.90632	1.58625



ENSG0000016161	RPL32	ribosomal	ENSG000001240.2949	0.937628	0.591274	1.585776
ENSG00000261624			ENSG0000015.840424	-4.60773	2.906226	-1.58547
ENSG0000017490	WT1	Wilms tum	ENSG0000015.840424	-4.60773	2.906226	-1.58547
ENSG00000156106	PCDHGA10	protocadhe	ENSG00000131.06144	-1.80144	1.136756	-1.58472
ENSG0000016155	RPL27	ribosomal	ENSG000001166.1571	1.001378	0.632202	1.583953
ENSG0000018425	LTBP4	latent tran	ENSG00000159.73887	-1.35906	0.858156	-1.58369
ENSG00000122982	DIP2C	disco inter	ENSG00000192.85972	-1.16854	0.738339	-1.58267
ENSG00000280187			ENSG0000014.374763	4.041655	2.554343	1.582268
ENSG0000014050	LTB	lymphotox	ENSG0000014.374763	4.041655	2.554343	1.582268
ENSG00000223946			ENSG0000014.374763	4.041655	2.554343	1.582268
ENSG00000110537109C	LOC105371	uncharacte	ENSG0000014.374763	4.041655	2.554343	1.582268
ENSG0000018530	CST7	cystatin F	ENSG0000014.374763	4.041655	2.554343	1.582268
ENSG000001388591	RNF207	ring finger	ENSG00000147.36488	-1.49342	0.944504	-1.58117
ENSG00000157493	HEG1	heart deve	ENSG000001331.9294	-1.01981	0.645165	-1.5807
ENSG000001165904	XIRP1	xin actin bi	ENSG000001739.2986	0.904658	0.57285	1.579223
ENSG0000011265	CNN2	calponin 2	ENSG00000146.98576	1.386902	0.87861	1.57852
ENSG0000019956	HS3ST2	heparan su	ENSG0000016.491583	-4.7709	3.02349	-1.57795
ENSG00000156112	PCDHGA3	protocadhe	ENSG00000127.67002	-1.9085	1.210374	-1.57678
ENSG000001113278	SLC52A3	solute carr	ENSG0000015.739853	-4.58746	2.910774	-1.57603
ENSG0000012909	ARHGAP35	Rho GTPas	ENSG000001256.862	-0.91166	0.579113	-1.57423
ENSG000001230	ALDOC	aldolase, fr	ENSG000001155.4133	0.986463	0.626688	1.57409
ENSG0000011808	DPYSL2	dihydropyr	ENSG000001384.8512	-0.85878	0.545644	-1.57389
ENSG00000123384	SPECC1L	sperm anti	ENSG00000127.44626	-1.89673	1.205152	-1.57385
ENSG0000014162	MCAM	melanoma	ENSG00000198.44708	-1.14083	0.725227	-1.57306
ENSG0000016637	SNRPG	small nucle	ENSG00000124.29862	1.832261	1.166402	1.570865
ENSG00000126234	FBXL5	F-box and I	ENSG000001172.7839	0.957882	0.609936	1.570463
ENSG0000018322	FZD4	frizzled cla	ENSG000001112.8511	-1.09224	0.695551	-1.57032
ENSG0000014739	NEDD9	neural prec	ENSG000001172.3489	-1.00098	0.638004	-1.56892
ENSG00000179627	OGFRL1	opioid gro	ENSG00000198.30547	1.090198	0.695296	1.567963
ENSG000001283140	LOC283140	uncharacte	ENSG00000128.66894	1.655061	1.055626	1.567848
ENSG00000125921	ZDHHC5	zinc finger	ENSG00000180.49201	-1.21192	0.773269	-1.56727
ENSG00000126032	SUSD5	sushi domæ	ENSG0000016.138344	-4.69007	2.99279	-1.56712
ENSG00000180223	RAB11FIP1	RAB11 fam	ENSG00000138.91643	1.495727	0.954475	1.567068
ENSG000001124540	MSI2	musashi R	ENSG000001143.375	-1.0458	0.667965	-1.56565
ENSG000001967	CD63	CD63 mole	ENSG000001245.0299	0.91383	0.583869	1.565128
ENSG0000016328	SCN3A	sodium vol	ENSG00000112.33685	-3.17086	2.027747	-1.56373
ENSG0000011639	DCTN1	dynactin sl	ENSG000001190.0802	-0.9841	0.62938	-1.5636
ENSG0000011955	MEGF9	multiple EC	ENSG00000162.33267	1.243915	0.796196	1.562323
ENSG00000246334			ENSG0000013.456025	4.820674	3.086145	1.562037
ENSG0000017941	PLA2G7	phospholip	ENSG0000013.456025	4.820674	3.086145	1.562037
ENSG000001286103	ZNF252P-A	ZNF252P a	ENSG0000013.456025	4.820674	3.086145	1.562037
ENSG00000257497			ENSG0000013.456025	4.820674	3.086145	1.562037
ENSG00000110166	SLC25A15	solute carr	ENSG0000013.456025	4.820674	3.086145	1.562037
ENSG000001255809	C19orf38	chromosor	ENSG0000013.456025	4.820674	3.086145	1.562037
ENSG00000164760	FAM160B2	family with	ENSG00000127.26146	-1.8863	1.20769	-1.56191
ENSG0000016709	SPTAN1	spectrin al	ENSG000001594.2511	-0.81856	0.52408	-1.5619
ENSG00000126157	GIMAP2	GTPase, IV	ENSG00000118.04558	2.101101	1.345264	1.56185

ENSG0000019563	H6PD	hexose-6-phosphate	ENSG00000130.6628	-1.05619	0.676306	-1.56171
ENSG00000156109	PCDHGA6	protocadherin A6	ENSG00000137.60795	-1.64246	1.052013	-1.56125
ENSG00000151660	MPC1	mitochondrial pyruvate carrier 1	ENSG000001139.4003	0.992635	0.636139	1.560405
ENSG000001152098	ZCWPW2	zinc finger protein with paired wedge	ENSG0000015.756201	-4.58472	2.940056	-1.5594
ENSG0000018148	TAF15	TATA-box binding protein 15	ENSG00000146.7816	-1.47171	0.944146	-1.55878
ENSG0000019046	DOK2	docking protein 2	ENSG0000016.884585	3.449672	2.21379	1.558266
ENSG0000012207	FCER1G	Fc gamma receptor 1 gamma chain	ENSG00000126.02402	2.033482	1.305161	1.558032
ENSG000001126393	HSPB6	heat shock protein beta 6	ENSG00000144.58735	-1.91748	1.230722	-1.55801
ENSG000001200424	TET3	tet methylase 3	ENSG00000123.90641	1.895552	1.217161	1.557356
ENSG00000156829	ZC3HAV1	zinc finger CCHC domain containing 1	ENSG00000159.58757	1.260084	0.809813	1.556019
ENSG0000012171	FABP5	fatty acid binding protein 5	ENSG00000138.88895	-1.69275	1.088556	-1.55505
ENSG00000111224	RPL35	ribosomal protein L35	ENSG000001135.916	1.009841	0.6494	1.555036
ENSG000001342132	ZNF774	zinc finger protein 774	ENSG0000015.594032	-4.54906	2.925835	-1.55479
ENSG0000015243	ABCB1	ATP binding cassette subfamily B member 1	ENSG00000112.82335	-3.22189	2.073661	-1.55372
ENSG00000179791	FBXO31	F-box protein 31	ENSG00000143.55862	-1.51144	0.973218	-1.55303
ENSG00000127130	INVS	inversin	ENSG00000123.60731	-2.01529	1.298965	-1.55146
ENSG00000179644	SRD5A3	steroid 5 alpha reductase type 3	ENSG0000015.700881	-4.58134	2.953268	-1.55128
ENSG00000123516	SLC39A14	solute carrier family 39 member 14	ENSG000001294.1739	-0.93318	0.601756	-1.55076
ENSG0000018364	HIST1H4C	histone H4.3	ENSG00000119.95616	1.898493	1.224257	1.55073
ENSG00000123348	DOCK9	dedicator of cytokinesis 9	ENSG000001144.2472	-1.01701	0.656	-1.55032
ENSG00000151574	LARP7	La ribonucleoprotein 7	ENSG00000155.64844	1.281271	0.826632	1.549989
ENSG0000017168	TPM1	tropomyosin 1	ENSG0000014869.222	0.752146	0.485385	1.549588
ENSG00000163893	UBE2O	ubiquitin conjugating enzyme E2 2	ENSG00000152.86174	-1.39404	0.899627	-1.54957
ENSG0000012012	EMP1	epithelial membrane protein 1	ENSG000001121.4829	-1.06914	0.690071	-1.54932
ENSG000001139818	DOCK11	dedicator of cytokinesis 11	ENSG00000156.31517	1.507688	0.973553	1.548645
ENSG00000157211	ADGRG6	adhesion G protein-coupled receptor class B member 6	ENSG00000116.65041	2.221486	1.434745	1.548349
ENSG00000155262	C7orf43	chromosome 7 open reading frame 43	ENSG0000018.341356	2.811717	1.816381	1.547977
ENSG0000015691	PSMB3	proteasome subunit beta 3	ENSG00000151.27813	1.330494	0.85953	1.547933
ENSG0000019875	URB1	URB1 ribosome binding protein	ENSG00000151.49299	-1.48365	0.958844	-1.54733
ENSG000001868	CBLB	Cbl proto-oncogene	ENSG000001176.2429	-0.97596	0.63077	-1.54725
ENSG0000016793	STK10	serine/threonine kinase 10	ENSG00000140.60952	1.43894	0.930529	1.546367
ENSG00000156098	PCDHGC4	protocadherin gamma 4	ENSG00000112.12943	-3.14487	2.034227	-1.54598
ENSG0000016446	SGK1	serum/glucocorticoid-inducible kinase 1	ENSG00000167.49851	-1.35099	0.874367	-1.5451
ENSG00000123741	EID1	EP300 interacting domain containing 1	ENSG000001202.7084	0.943169	0.610536	1.544821
ENSG000001112	ADCY6	adenylate cyclase 6	ENSG000001149.0992	-0.99603	0.645368	-1.54335
ENSG0000013949	LDLR	low density lipoprotein receptor	ENSG00000133.65588	-1.67791	1.088354	-1.5417
ENSG0000019659	PDE4DIP	phosphodiesterase 4D interacting protein	ENSG0000011772.961	-0.80535	0.523058	-1.53969
ENSG00000151294	PCDH12	protocadherin 12	ENSG00000126.94719	-1.86595	1.213444	-1.53773
ENSG000001728233	PI4KAP1	phosphatidylinositol 4-kinase type I class A interacting protein 1	ENSG0000015.55506	-4.54295	2.955052	-1.53735
ENSG00000181539	SLC38A1	solute carrier family 38 member 1	ENSG000001357.4805	-0.9035	0.588356	-1.53564
ENSG000001162466	PHOSPHO1	phosphoethanolamine phosphatase 1	ENSG0000019.405915	2.650906	1.726447	1.535469
ENSG0000013915	LAMC1	laminin subunit gamma 1	ENSG000001508.1964	-0.80538	0.524678	-1.53499
ENSG00000154209	TREM2	triggering receptor expressed on myeloid cells 2	ENSG0000013.517623	4.712865	3.070331	1.53497
ENSG0000015251	PHEX	phosphate handling exchanger	ENSG0000013.517623	4.712865	3.070331	1.53497
ENSG00000111190	CEP250	centrosomal protein of 250 kDa	ENSG00000143.26698	-1.49967	0.97709	-1.53484
ENSG0000018676	STX11	syntaxin 11	ENSG0000019.467513	2.62009	1.707662	1.534314
ENSG000001201475	RAB12	RAB12, member R	ENSG00000172.3679	1.173343	0.76486	1.534063

ENSG00000158484	NLRC4	NLR family	ENSG00000158484	10.53207	2.503565	1.632235	1.533826
ENSG0000016171	RPL41	ribosomal	ENSG0000016171	172.8306	0.934346	0.609174	1.53379
ENSG0000019420	CYP7B1	cytochrom	ENSG0000019420	5.470837	-4.51881	2.947662	-1.53302
ENSG0000018512	MBL1P	mannose b	ENSG0000018512	5.470837	-4.51881	2.947662	-1.53302
ENSG00000184700	MYO18B	myosin XVI	ENSG00000184700	405.267	-0.82884	0.540715	-1.53286
ENSG0000018501	SLC43A1	solute carr	ENSG0000018501	11.96098	-3.12125	2.036411	-1.53272
ENSG00000189795	NAV3	neuron na	ENSG00000189795	26.41662	1.672713	1.091614	1.53233
ENSG00000184243	ZDHHC18	zinc finger	ENSG00000184243	35.54424	1.492481	0.974265	1.531905
ENSG0000013936	LCP1	lymphocyt	ENSG0000013936	164.1469	3.179425	2.076237	1.53134
ENSG00000179940	LINC00472	long interg	ENSG00000179940	12.06155	-3.13151	2.045155	-1.53118
ENSG000001118490	MSS51	MSS51 mit	ENSG000001118490	10.59367	2.477613	1.619478	1.529884
ENSG0000015141	PDE4A	phosphodi	ENSG0000015141	33.49371	-1.67094	1.092307	-1.52974
ENSG0000013311	HSPA7	heat shock	ENSG0000013311	4.313165	4.165526	2.72351	1.52947
ENSG00000129842	TFCP2L1	transcripti	ENSG00000129842	4.313165	4.165526	2.72351	1.52947
ENSG00000155840	EAF2	ELL associa	ENSG00000155840	4.313165	4.165526	2.72351	1.52947
ENSG0000010283652			ENSG0000010283652	4.313165	4.165526	2.72351	1.52947
ENSG0000016517	SLC2A4	solute carr	ENSG0000016517	149.1182	-1.03439	0.676654	-1.52869
ENSG0000016164	RPL34	ribosomal	ENSG0000016164	133.4232	1.062419	0.695468	1.527633
ENSG0000014818	NKG7	natural kill	ENSG0000014818	5.170305	3.813392	2.497342	1.52698
ENSG000001335	APOA1	apolipopro	ENSG000001335	10.47047	2.530164	1.65733	1.526651
ENSG00000123131	GPATCH8	G-patch do	ENSG00000123131	79.27012	-1.18511	0.776535	-1.52615
ENSG0000014939	OAS2	2'-5'-oligo	ENSG0000014939	26.17023	1.703878	1.11752	1.524696
ENSG00000151363	CHST15	carbohydr	ENSG00000151363	35.17426	1.74438	1.144602	1.524007
ENSG00000164094	SMOC2	SPARC rela	ENSG00000164094	40.00504	-1.54484	1.0143	-1.52306
ENSG000001119391	GSTO2	glutathion	ENSG000001119391	5.548782	-4.53124	2.975604	-1.5228
ENSG0000014323	MMP14	matrix met	ENSG0000014323	37.38418	-1.63342	1.072827	-1.52254
ENSG000001767	CA8	carbonic ar	ENSG000001767	11.83779	-3.10642	2.040931	-1.52206
ENSG0000015204	PFDN5	prefoldin s	ENSG0000015204	139.7999	1.009064	0.662989	1.521992
ENSG00000125925	ZNF521	zinc finger	ENSG00000125925	30.02434	-1.74489	1.146459	-1.52199
ENSG00000185004	RERG	RAS like es	ENSG00000185004	5.386614	-4.49415	2.952878	-1.52196
ENSG0000018622	PDE8B	phosphodi	ENSG0000018622	5.487184	-4.51588	2.969987	-1.52051
ENSG000001374569	ASPG	asparagina	ENSG000001374569	5.487184	-4.51588	2.969987	-1.52051
ENSG0000010234638			ENSG0000010234638	5.409239	-4.50342	2.962201	-1.5203
ENSG00000151303	FKBP11	FK506 bind	ENSG00000151303	5.409239	-4.50342	2.962201	-1.5203
ENSG00000164129	TINAGL1	tubulointe	ENSG00000164129	168.5663	-0.96111	0.632843	-1.51871
ENSG00000184191	CIAO2A	cytosolic ir	ENSG00000184191	37.01735	1.464331	0.964416	1.51836
ENSG0000011627	DBN1	drebrin 1	ENSG0000011627	23.7016	-2.01788	1.330578	-1.51655
ENSG0000015320	PLA2G2A	phospholip	ENSG0000015320	41.22941	-1.60061	1.055438	-1.51654
ENSG0000010227671			ENSG0000010227671	23.7721	1.753106	1.156121	1.516369
ENSG00000181621	KAZALD1	Kazal type	ENSG00000181621	5.733576	-4.57674	3.018327	-1.51632
ENSG00000184418	CYSTM1	cysteine ric	ENSG00000184418	43.97688	1.356806	0.896212	1.513935
ENSG00000110766	TOB2	transducer	ENSG00000110766	124.9998	-1.02223	0.675515	-1.51327
ENSG00000110567	RABAC1	Rab accept	ENSG00000110567	8.218161	2.889741	1.911168	1.512029
ENSG00000110712	FAM189B	family with	ENSG00000110712	5.325016	-4.47853	2.962465	-1.51176
ENSG00000183598	LRRC2-AS1	LRRC2 anti	ENSG00000183598	5.325016	-4.47853	2.962465	-1.51176
ENSG0000019501	RPH3AL	rabphilin 3	ENSG0000019501	5.325016	-4.47853	2.962465	-1.51176
ENSG00000151260	PBDC1	polysaccha	ENSG00000151260	5.325016	-4.47853	2.962465	-1.51176

ENSG0000014514	COX3	cytochrom	ENSG00000139095.16	-0.9177	0.607066	-1.51169
ENSG0000011891	ECH1	enoyl-CoA	ENSG00000190.386	-1.1884	0.786777	-1.51046
ENSG00000184976	DISP1	dispatched	ENSG00000111.71459	-3.09142	2.048038	-1.50946
ENSG00000110501	SEMA6B	semaphori	ENSG00000111.71459	-3.09142	2.048038	-1.50946
ENSG0000013762	KCNJ5	potassium	ENSG00000122.71866	1.928825	1.27846	1.508709
ENSG00000155601	DDX60	DExD/H-bc	ENSG00000145.39467	1.33676	0.886197	1.508423
ENSG00000110213	PSMD14	proteasom	ENSG00000141.14128	1.401278	0.929178	1.508084
ENSG00000158533	SNX6	sorting nex	ENSG00000165.76162	1.196252	0.794265	1.506111
ENSG00000151435	SCARA3	scavenger	ENSG0000015.347641	-4.48784	2.979832	-1.50607
ENSG0000019365	KL	klotho	ENSG0000015.347641	-4.48784	2.979832	-1.50607
ENSG0000013491	CYR61	cysteine ric	ENSG00000148.75378	-1.39282	0.925424	-1.50506
ENSG00000156255	TMX4	thioredoxin	ENSG000001277.8815	0.840069	0.558878	1.503134
ENSG00000191754	NEK9	NIMA relat	ENSG000001113.3612	-1.04733	0.696807	-1.50304
ENSG000001273	AMPH	amphiphys	ENSG0000015.431864	-4.51229	3.002272	-1.50296
ENSG00000111342	RNF13	ring finger	ENSG00000155.77792	1.271197	0.845863	1.502841
ENSG0000014645	MYO5B	myosin VB	ENSG0000015.263418	-4.46273	2.974369	-1.50039
ENSG0000019687	GREB1	growth reg	ENSG00000112.53171	-3.18606	2.125033	-1.4993
ENSG0000018477	GPR65	G protein-c	ENSG0000016.419657	3.104032	2.070974	1.498827
ENSG00000122848	AAK1	AP2 associ	ENSG000001327.8739	-0.87607	0.584914	-1.49777
ENSG000001280339			ENSG00000111.56877	-3.0716	2.05168	-1.49711
ENSG00000155102	ATG2B	autophagy	ENSG00000178.37885	-1.16515	0.778345	-1.49696
ENSG00000123148	NACAD	NAC alpha	ENSG0000015.240793	-4.45314	2.97512	-1.49679
ENSG000001270015			ENSG0000015.240793	-4.45314	2.97512	-1.49679
ENSG00000154581	SCAND2P	SCAN dom	ENSG0000015.240793	-4.45314	2.97512	-1.49679
ENSG000001196527	ANO6	anoctamin	ENSG000001168.595	0.916218	0.612362	1.496204
ENSG0000019452	ITM2A	integral m	ENSG00000181.76778	-1.15971	0.775156	-1.4961
ENSG0000016523	SLC5A1	solute carr	ENSG000001253.197	-0.95167	0.636347	-1.49552
ENSG00000123221	RHOBTB2	Rho relate	ENSG00000142.35936	-1.46451	0.979471	-1.49521
ENSG000001439	ASNA1	arsA arseni	ENSG00000130.74797	1.533773	1.025932	1.495005
ENSG000001257364	SNX33	sorting nex	ENSG00000142.40461	-1.46723	0.981821	-1.4944
ENSG000001388	RHOB	ras homolc	ENSG000001147.7742	-0.97904	0.655241	-1.49417
ENSG00000127005	USP21	ubiquitin s	ENSG00000111.54614	-3.06689	2.053025	-1.49384
ENSG00000183643	CCDC3	coiled-coil	ENSG00000111.54614	-3.06689	2.053025	-1.49384
ENSG000001127294	MYOM3	myomesin	ENSG000001623.9733	-0.9352	0.626299	-1.49322
ENSG0000014653	MYOC	myocilin	ENSG00000111.98988	-3.13126	2.097075	-1.49315
ENSG00000110412	NSA2	NSA2, ribo	ENSG00000133.16873	1.506881	1.009599	1.492553
ENSG00000157713	SFMBT2	Scm like wi	ENSG00000145.64107	1.320804	0.885338	1.491864
ENSG000001259820			ENSG00000122.77763	-1.95672	1.311842	-1.49158
ENSG00000111030	RBPMS	RNA bindir	ENSG000001127.9726	-1.01906	0.683372	-1.49122
ENSG000001124565	SLC38A10	solute carr	ENSG00000126.26962	-1.8265	1.225157	-1.49083
ENSG00000193649	MYOCD	myocardin	ENSG00000167.74636	1.157628	0.776727	1.490392
ENSG000001284723	SLC25A34	solute carr	ENSG00000124.37918	-2.06189	1.383726	-1.4901
ENSG0000012275	FHL3	four and a	ENSG00000111.64671	-3.07756	2.065637	-1.48988
ENSG0000011345	COX6C	cytochrom	ENSG000001170.4151	0.90918	0.610389	1.489509
ENSG0000019654	TTLL4	tubulin tyr	ENSG00000120.4326	1.803386	1.211296	1.488807
ENSG00000164762	GAREM1	GRB2 asso	ENSG00000138.87262	1.395785	0.937751	1.488439
ENSG0000017852	CXCR4	C-X-C moti	ENSG00000131.99209	1.631318	1.096025	1.488394

ENSG0000013431	SP110	SP110 nucl	ENSG0000017484216	2.836412	1.906153	1.48803
ENSG0000016563	SLC14A1	solute carr	ENSG00000154.0032	-1.428	0.959687	-1.48799
ENSG0000014345	CD200	CD200 mol	ENSG0000015.179195	-4.43706	2.982167	-1.48787
ENSG000001219743	TYSND1	trypsin dor	ENSG0000015.179195	-4.43706	2.982167	-1.48787
ENSG00000151162	EGFL7	EGF like do	ENSG00000133.14674	-1.65508	1.112429	-1.48781
ENSG00000110095	ARPC1B	actin relat	ENSG00000125.55948	1.643963	1.105157	1.487537
ENSG00000110209	EIF1	eukaryotic	ENSG000001248.0983	-0.91481	0.615299	-1.48678
ENSG00000151167	CYB5R4	cytochrom	ENSG00000133.53831	1.472543	0.990975	1.485954
ENSG0000016206	RPS12	ribosomal	ENSG000001222.2148	0.897224	0.6042	1.484978
ENSG00000155691	FRMD4A	FERM dom	ENSG00000135.90335	-1.56308	1.052625	-1.48494
ENSG0000014537	ND3	NADH deh	ENSG0000015265.757	-0.80525	0.542471	-1.48442
ENSG00000110975	UQCR11	ubiquinol- $\alpha$	ENSG00000125.62108	1.636155	1.102494	1.484048
ENSG00000122898	DENND3	DENN dom	ENSG00000179.60899	1.126113	0.758931	1.483816
ENSG0000019294	S1PR2	sphingosin	ENSG00000111.42295	-3.05148	2.056706	-1.48368
ENSG0000017100	TLR5	toll like rec	ENSG00000111.80405	2.31951	1.564755	1.482347
ENSG0000014938	OAS1	2'-5'-oligoe	ENSG00000111.80405	2.31951	1.564755	1.482347
ENSG00000156102	PCDHGB3	protocadhe	ENSG00000122.67706	-1.95092	1.316994	-1.48134
ENSG00000123576	DDAH1	dimethylar	ENSG00000117.95024	1.908091	1.288447	1.480923
ENSG000001100506622	LINC00540	long interg	ENSG0000015.218167	-4.4436	3.002909	-1.47977
ENSG000001150572	SMYD1	SET and M'	ENSG000001453.193	0.778316	0.526201	1.479123
ENSG000001871	SERPINH1	serpin fam	ENSG00000142.38826	-1.46756	0.992225	-1.47906
ENSG0000018295	TRRAP	transforma	ENSG00000195.03409	-1.07856	0.729252	-1.479
ENSG00000110008	KCNE3	potassium	ENSG0000018.548775	2.654914	1.795511	1.47864
ENSG0000014915	NTRK2	neurotrop	ENSG00000132.03314	-1.85635	1.25643	-1.47748
ENSG000001164832	LONRF2	LON peptic	ENSG00000196.19817	-1.09891	0.743957	-1.47712
ENSG0000015918	RARRES1	retinoic aci	ENSG00000145.20921	-3.4732	2.352821	-1.47618
ENSG00000184628	NTNG2	netrin G2	ENSG0000015.439322	3.330807	2.256679	1.475977
ENSG00000180183	RUBCNL	RUN and c	ENSG0000015.439322	3.330807	2.256679	1.475977
ENSG000001222487	ADGRG3	adhesion G	ENSG0000015.439322	3.330807	2.256679	1.475977
ENSG0000012720	GLB1	galactosida	ENSG00000132.22736	1.490942	1.010527	1.475411
ENSG0000013032	HADHB	hydroxyac	ENSG000001878.0269	0.735893	0.499092	1.474466
ENSG0000012494	NR5A2	nuclear rec	ENSG0000015.661908	-4.57384	3.102536	-1.47423
ENSG0000019256	TSPOAP1	TSPO assoc	ENSG00000115.30715	-2.43199	1.651123	-1.47293
ENSG000001659	BMPR2	bone morp	ENSG000001320.6843	-0.81904	0.556169	-1.47265
ENSG0000019720	CCDC144A	coiled-coil	ENSG0000015.224445	-4.45601	3.027401	-1.47189
ENSG0000017411	VBP1	VHL bindin	ENSG00000139.9925	1.403423	0.953822	1.471367
ENSG0000012122	MECOM	MDS1 and	ENSG00000154.16262	-1.3097	0.890239	-1.47118
ENSG00000150515	CHST11	carbohydr	ENSG00000127.91865	1.608945	1.094083	1.470588
ENSG000001121260	SLC15A4	solute carr	ENSG00000124.37173	1.661214	1.13063	1.469281
ENSG00000155210	ATAD3A	ATPase fan	ENSG0000015.094972	-4.41094	3.003299	-1.4687
ENSG00000156123	PCDHB13	protocadhe	ENSG0000015.094972	-4.41094	3.003299	-1.4687
ENSG0000018797	TNFRSF10A	TNF recept	ENSG0000015.094972	-4.41094	3.003299	-1.4687
ENSG0000019636	ISG15	ISG15 ubiq	ENSG0000015.500919	3.261549	2.220988	1.468512
ENSG0000015567	PRKACB	protein kin	ENSG00000151.5134	1.24577	0.848373	1.468423
ENSG0000017138	TNNT1	troponin T	ENSG00000125.87113	-1.79936	1.225839	-1.46786
ENSG00000111155	LDB3	LIM domai	ENSG0000011751.795	-0.82316	0.560939	-1.46747
ENSG0000014288	MKI67	marker of	ENSG0000017.361021	2.923663	1.992523	1.467318

ENSG000001201595	STT3B	STT3B, catalytic subunit of histone H3 acetyltransferase	185.4429	0.885204	0.603503	1.466778
ENSG000001202052	DNAJC18	DnaJ heat shock domain containing 18	15.2003	-2.41869	1.649402	-1.4664
ENSG000001112724	RDH13	retinol dehydrogenase 13	19.07822	-2.13304	1.454663	-1.46635
ENSG00000109861	PSMD6	proteasome 20S subunit 6	72.48626	1.115905	0.761128	1.466119
ENSG00000101580	CYP4B1	cytochrome P450 4B1	65.74591	-1.2082	0.82414	-1.46602
ENSG000001055384	MEG3	maternally expressed gene 3	55.52785	-1.34912	0.920527	-1.46559
ENSG000001028951	TRIB2	tribbles protein 2	81.18449	-1.14674	0.782819	-1.46489
ENSG000001023360	FNBP4	formin binding protein 4	81.56912	-1.15831	0.790819	-1.46469
ENSG00000109989	PPP4R1	protein phosphatase 4 regulatory subunit 1	99.19818	1.023653	0.698892	1.464679
ENSG000001025802	LMOD1	leiomodin 1	39.9849	-1.54887	1.057649	-1.46444
ENSG00000101340	COX6B1	cytochrome c oxidase subunit 6B1	229.239	0.846251	0.577927	1.464286
ENSG00000104940	OAS3	2'-5'-oligoadenylate synthetase 3	44.56016	1.311385	0.895832	1.463875
ENSG0000010221472	FGD2	FYVE, Rho GTPase-binding domain containing 2	19.98991	2.087361	1.426931	1.462832
ENSG000001051714	SELENOT	selenoprotein T	81.13259	1.07218	0.733039	1.462651
ENSG0000010140876	RIPOR3	RIPOR family protein 3	23.1824	-1.98991	1.360762	-1.46235
ENSG000001022847	ZNF507	zinc finger protein 507	47.8009	-1.35888	0.930333	-1.46064
ENSG000001026722	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	11.26078	-3.03283	2.077833	-1.45961
ENSG00000105110	PCMT1	protein-L-isoaspartate methyltransferase 1	71.28216	1.112246	0.762955	1.457813
ENSG000001022909	FAN1	FANCD2 associated protein 1	22.40176	-1.92819	1.323199	-1.45722
ENSG000001057823	SLAMF7	SLAM family protein 7	7.092004	3.192253	2.192115	1.456244
ENSG00000100261971			ENSG00000109551736	2.552412	1.753102	1.455941
ENSG0000010126626	GABPB2	GA binding protein 2	35.66703	-1.54954	1.0646	-1.45552
ENSG00000107099	TLR4	toll like receptor 4	109.1502	1.031726	0.708881	1.455429
ENSG00000106160	RPL31	ribosomal protein L31	213.9617	0.916546	0.629852	1.455177
ENSG00000105721	PSME2	proteasome 20S subunit 2	50.28668	1.245684	0.85616	1.454967
ENSG00000104634	MYL3	myosin light chain 3	3090.293	0.751821	0.516984	1.454243
ENSG000001022852	ANKRD26	ankyrin repeat domain 26	50.64801	-1.32082	0.908322	-1.45414
ENSG00000100179141			ENSG00000104994401	-4.38772	3.017711	-1.45399
ENSG0000010667	DST	dystonin	2304.555	-0.72666	0.499857	-1.45373
ENSG0000010401397	SMIM30	small integral membrane protein 30	55.44625	1.229087	0.845495	1.45369
ENSG00000109310	ZNF235	zinc finger protein 235	11.13131	-3.01039	2.071302	-1.45338
ENSG000001054543	TOMM7	translocase of the outer mitochondrial membrane 7	78.11325	1.134935	0.781997	1.451329
ENSG000001058513	EPS15L1	epidermal protein 15L1	62.48397	-1.21892	0.840019	-1.45106
ENSG000001057502	NLGN4X	neuroligin 4X	11.19918	-3.02493	2.08557	-1.45041
ENSG0000010143	PARP4	poly(ADP-ribose) polymerase 4	98.97442	1.029441	0.709821	1.450282
ENSG000001055243	KIRREL1	kirre like receptor 1	26.13007	-1.81971	1.255163	-1.44978
ENSG00000105607	MAP2K5	mitogen-activated protein kinase 5	18.9324	-2.12027	1.462746	-1.44951
ENSG00000106235	RPS29	ribosomal protein S29	52.97645	1.226952	0.846931	1.448705
ENSG00000104541	ND6	NADH dehydrogenase subunit 6	1491.998	-0.7829	0.540636	-1.4481
ENSG000001063035	BCORL1	BCL6 corepressor 1	14.99288	-2.39682	1.655714	-1.4476
ENSG0000010338328	GPIHBP1	glycosylphosphatidylinositol binding protein 1	22.178	-1.91377	1.322147	-1.44747
ENSG000001027230	SERP1	stress associated protein 1	44.82918	1.292252	0.892916	1.447227
ENSG00000106781	STC1	stanniocalcin 1	25.56314	-1.78074	1.230494	-1.44717
ENSG000001057704	GBA2	glucosylceramidase 2	71.75818	-1.17554	0.813363	-1.44529
ENSG000001010180	RBM6	RNA binding motif protein 6	111.815	-1.02317	0.708087	-1.44498
ENSG00000102870	GRK6	G protein-coupled receptor kinase 6	24.57915	1.62946	1.128289	1.444187
ENSG00000107485	WRB	tryptophan binding protein	21.33499	1.815765	1.257337	1.444135

ENSG000001255812	SDHAP1	succinate c	ENSG0000011869229	-2.10446	1.45734	-1.44404
ENSG0000011806	DPYD	dihydropyr	ENSG0000017838227	1.124645	0.778967	1.443765
ENSG00000110046	MAMLD1	mastermin	ENSG0000015072346	-4.40131	3.049153	-1.44345
ENSG00000157613	FAM234B	family with	ENSG0000014910178	-4.36068	3.023006	-1.4425
ENSG0000015600	MAPK11	mitogen-act	ENSG0000014910178	-4.36068	3.023006	-1.4425
ENSG00000123198	PSME4	proteasome	ENSG0000012319427	-0.86182	0.597603	-1.44212
ENSG0000013097	HIVEP2	human imr	ENSG000001128.1145	-0.97368	0.675354	-1.44173
ENSG0000014354	MPP1	membrane	ENSG00000145.73157	1.309017	0.908164	1.441388
ENSG000001752	FMNL1	formin like	ENSG00000119.39067	1.803224	1.251044	1.441375
ENSG00000110043	TOM1	target of m	ENSG00000144.57793	-1.38752	0.962752	-1.4412
ENSG0000011025	CDK9	cyclin depe	ENSG00000129.07775	-1.69389	1.175791	-1.44064
ENSG00000155080	TAPBPL	TAP bindin	ENSG00000121.78252	1.754335	1.217813	1.440562
ENSG0000013162	HMOX1	heme oxyg	ENSG00000112.07307	2.211745	1.535791	1.440135
ENSG000001339751	MAP3K20-	MAP3K20 ;	ENSG0000014.932803	-4.37085	3.035305	-1.44
ENSG0000011535	CYBA	cytochrom	ENSG00000112.13466	2.191524	1.522102	1.439801
ENSG0000011633	DCK	deoxycytid	ENSG00000118.21926	1.848017	1.283592	1.439723
ENSG0000016296	ACSM3	acyl-CoA s	ENSG00000118.94496	-2.12809	1.478256	-1.4396
ENSG00000129990	PILRB	paired imr	ENSG0000014.949151	-4.36753	3.039277	-1.43703
ENSG0000012108	ETFA	electron tr	ENSG000001211.0878	0.868955	0.604788	1.436792
ENSG000001116828	N4BP2L2-I	N4BPL2 int	ENSG00000125.43994	-1.77322	1.234177	-1.43676
ENSG000001727910	TLCD2	TLC domai	ENSG00000118.52384	-2.08834	1.454541	-1.43574
ENSG00000127327	TNRC6A	trinucleoti	ENSG000001163.5003	-0.90589	0.631072	-1.43548
ENSG00000184689	MS4A14	membrane	ENSG0000016.565478	2.916804	2.033699	1.434236
ENSG000001116369	SLC26A8	solute carr	ENSG0000014.582182	3.498959	2.440728	1.433572
ENSG0000012204	FCAR	Fc fragmer	ENSG0000014.582182	3.498959	2.440728	1.433572
ENSG00000111222	MRPL3	mitochond	ENSG00000143.00282	1.337336	0.932957	1.433439
ENSG000001196	AHR	aryl hydroc	ENSG00000158.72559	1.177043	0.821165	1.433382
ENSG00000164084	CLSTN2	calsyntenin	ENSG00000172.42098	-1.37982	0.963137	-1.43263
ENSG0000019708	PCDHGA8	protocadhe	ENSG00000131.85698	-1.58703	1.108132	-1.43217
ENSG0000015156	PDGFRA	platelet de	ENSG000001132.8391	-1.18049	0.824307	-1.4321
ENSG0000016405	SEMA3F	semaphori	ENSG00000110.88491	-2.97818	2.079598	-1.43209
ENSG0000010259498			ENSG00000110.99176	-2.99615	2.09263	-1.43176
ENSG00000151352	WT1-AS	WT1 antise	ENSG0000014.84858	-4.34354	3.034585	-1.43135
ENSG000001388341	LRRC75A	leucine ric	ENSG0000014.84858	-4.34354	3.034585	-1.43135
ENSG000001266812	NAP1L5	nucleosom	ENSG0000014.887553	-4.35041	3.039513	-1.43128
ENSG0000013213	HOXB3	homeobox	ENSG0000014.887553	-4.35041	3.039513	-1.43128
ENSG00000151056	LAP3	leucine am	ENSG000001130.9027	0.948465	0.663439	1.429618
ENSG00000180095	ZNF606	zinc finger	ENSG00000121.94795	-1.89566	1.326472	-1.4291
ENSG0000011756	DMD	dystrophin	ENSG0000011032.545	-0.71026	0.497033	-1.429
ENSG000001100507436	MICA	MHC class	ENSG00000114.78546	-2.37461	1.662285	-1.42852
ENSG00000157465	TBC1D24	TBC1 dom	ENSG00000114.78546	-2.37461	1.662285	-1.42852
ENSG000001127833	SYT2	synaptotag	ENSG00000115.19402	-2.41395	1.689902	-1.42845
ENSG0000019111	NMI	N-myc and	ENSG00000111.00851	2.274219	1.592357	1.428209
ENSG00000110324	KLHL41	kelch like f	ENSG00000181.53972	1.107256	0.775614	1.427586
ENSG0000016125	RPL5	ribosomal	ENSG000001327.1902	0.829161	0.580966	1.427209
ENSG0000014726	NDUFS6	NADH:ubiq	ENSG00000161.58761	1.161663	0.814893	1.42554
ENSG00000110313	RTN3	reticulon 3	ENSG00000166.1779	1.11624	0.783249	1.425141

ENSG00000180760	ITIH5	inter-alpha	ENSG0000012198693	-1.89738	1.332141	-1.42431
ENSG00000110629	TAF6L	TATA-box b	ENSG0000014871205	-4.35375	3.056898	-1.42424
ENSG000001100873986	FGF12-AS1	FGF12 anti	ENSG0000014825955	-4.33311	3.042766	-1.42407
ENSG0000010265749			ENSG0000014825955	-4.33311	3.042766	-1.42407
ENSG00000110299	MARCH6	membrane	ENSG000001262.475	-0.82302	0.578017	-1.42387
ENSG0000011848	DUSP6	dual specif	ENSG00000150.78128	-1.32323	0.930565	-1.42196
ENSG0000010235902			ENSG00000110.84594	-2.97501	2.092468	-1.42177
ENSG000001197135	PATL2	PAT1 homc	ENSG0000016.627076	2.868164	2.017947	1.421327
ENSG000001090952	ESAM	endothelia	ENSG00000146.93226	-1.32752	0.934564	-1.42047
ENSG000001054796	BNC2	basonuclin	ENSG00000114.68489	-2.36601	1.666977	-1.41934
ENSG000001023325	WASHC4	WASH com	ENSG000001106.5162	0.965474	0.680252	1.41929
ENSG0000010280219			ENSG0000014.786982	-4.32618	3.048981	-1.41889
ENSG0000010286262	TPRN	taperin	ENSG0000014.786982	-4.32618	3.048981	-1.41889
ENSG00000101116	CHI3L1	chitinase 3	ENSG0000014.955428	-4.3805	3.087433	-1.41882
ENSG0000010151636	DTX3L	deltex E3 u	ENSG00000186.82118	1.090671	0.768749	1.418761
ENSG00000105806	PTX3	pentraxin 3	ENSG00000114.84994	-5.95834	4.199731	-1.41874
ENSG0000010401036	ASB18	ankyrin re	ENSG00000111.01439	-3.00084	2.11517	-1.41872
ENSG0000010114793	FMNL2	formin like	ENSG00000146.63919	1.248975	0.880535	1.418427
ENSG0000010272	AMPD3	adenosine	ENSG00000111.94987	2.253661	1.589451	1.417886
ENSG00000109806	SPOCK2	SPARC (ost	ENSG00000126.66562	-1.84479	1.301085	-1.41789
ENSG000001010972	TMED10	transmembr	ENSG000001271.0181	0.798549	0.563394	1.417389
ENSG000001085456	TNKS1BP1	tankyrase 1	ENSG00000164.46242	-1.17367	0.828072	-1.41735
ENSG000001079927	FAM110D	family with	ENSG0000015.24707	-4.46417	3.150477	-1.41698
ENSG00000101796	DOK1	docking pro	ENSG0000017.691635	2.659988	1.878192	1.416249
ENSG00000105493	PPL	periplakin	ENSG00000142.06393	-1.45586	1.028234	-1.41589
ENSG0000010221400	TDRD6	tudor dom	ENSG0000014.764357	-4.31563	3.048719	-1.41555
ENSG00000108325	FZD8	frizzled cla	ENSG0000014.764357	-4.31563	3.048719	-1.41555
ENSG000001065220	NADK	NAD kinase	ENSG00000146.71713	1.247054	0.881118	1.415309
ENSG000001057409	MIF4GD	MIF4G don	ENSG00000114.71759	1.973311	1.394697	1.414867
ENSG000001054918	CMTM6	CKLF like M	ENSG00000154.41688	1.211764	0.856457	1.414857
ENSG0000010233695			ENSG00000111.24443	-3.03378	2.144421	-1.41473
ENSG000001057149	LYRM1	LYR motif c	ENSG00000138.46929	1.333779	0.942813	1.41468
ENSG000001054567	DLL4	delta like c	ENSG00000129.123	-1.6976	1.200005	-1.41466
ENSG000001023479	ISCU	iron-sulfur	ENSG000001212.3939	0.851917	0.602335	1.414356
ENSG0000010116071	BATF2	basic leucir	ENSG0000017.630037	2.698553	1.908858	1.4137
ENSG000001010749	KIF1C	kinesin fam	ENSG0000011057.645	-0.70058	0.495821	-1.41298
ENSG000001085360	SYDE1	synapse de	ENSG00000110.78434	-2.96679	2.1	-1.41276
ENSG00000107127	TNFAIP2	TNF alpha i	ENSG00000173.13219	1.135418	0.804114	1.412011
ENSG00000101969	EPHA2	EPH recept	ENSG00000118.27745	-2.06805	1.464876	-1.41176
ENSG000001055127	HEATR1	HEAT repe	ENSG00000140.74526	-1.39855	0.990764	-1.41158
ENSG0000010262879			ENSG00000110.71647	-2.95159	2.091499	-1.41123
ENSG00000108905	AP1S2	adaptor rel	ENSG000001114.0301	0.942442	0.667979	1.410886
ENSG000001055556	ENOSF1	enolase su	ENSG00000146.72484	-1.3198	0.935727	-1.41045
ENSG000001010868	USP20	ubiquitin s	ENSG00000114.57804	-2.35205	1.669129	-1.40915
ENSG00000106778	STAT6	signal tran	ENSG000001103.8427	0.967885	0.687131	1.408588
ENSG000001010594	PRPF8	pre-mRNA	ENSG000001358.1851	-0.76985	0.546737	-1.40808
ENSG00000105441	POLR2L	RNA polym	ENSG00000133.09601	1.402203	0.996266	1.407459



ENSG00000122979	EFR3B	EFR3 homocysteine	ENSG00000122979	14.86341	-2.37959	1.691113	-1.40711
ENSG0000011368	CPM	carboxypeptidase	ENSG0000011368	64.5927	1.186492	0.843409	1.406781
ENSG00000158525	WIZ	widely intercalated	ENSG00000158525	21.63996	-1.8739	1.332273	-1.40654
ENSG000001250258			ENSG000001250258	4.809607	-4.33638	3.083422	-1.40635
ENSG000001279993			ENSG000001279993	4.809607	-4.33638	3.083422	-1.40635
ENSG000001271959			ENSG000001271959	4.702759	-4.29794	3.057331	-1.40578
ENSG000001191585	PLAC4	placenta specific	ENSG000001191585	10.6159	-2.94009	2.092171	-1.40528
ENSG0000010974	CD79B	CD79b molecule	ENSG0000010974	4.725384	-4.30859	3.066619	-1.405
ENSG0000019451	EIF2AK3	eukaryotic translation	ENSG0000019451	14.51645	-2.34575	1.669923	-1.4047
ENSG0000015211	PFKL	phosphofructokinase	ENSG0000015211	31.33529	-1.55796	1.11079	-1.40257
ENSG0000019064	MAP3K6	mitogen-activated	ENSG0000019064	50.47577	-1.31749	0.939563	-1.40224
ENSG0000013274	HRH2	histamine receptor	ENSG0000013274	68.15073	1.245149	0.888488	1.401425
ENSG0000017805	LAPTM5	lysosomal transmembrane	ENSG0000017805	87.31961	2.833895	2.022207	1.401387
ENSG0000019208	LRRFIP1	LRR binding	ENSG0000019208	179.8588	0.845097	0.603221	1.400974
ENSG000001114548	NLRP3	NLR family	ENSG000001114548	4.643779	3.411045	2.434929	1.40088
ENSG000001239899			ENSG000001239899	4.643779	3.411045	2.434929	1.40088
ENSG0000012820	GPD2	glycerol-3-phosphate	ENSG0000012820	45.6136	1.239208	0.884777	1.400588
ENSG0000017780	SLC30A2	solute carrier	ENSG0000017780	4.926525	-4.35793	3.114018	-1.39946
ENSG0000019672	SDC3	syndecan 3	ENSG0000019672	65.31448	1.101055	0.78704	1.398982
ENSG0000014706	NDUFAB1	NADH:ubiquinone	ENSG0000014706	102.3393	1.011845	0.723568	1.39841
ENSG0000019797	TATDN2	TatD DNase	ENSG0000019797	10.5543	-2.9317	2.096721	-1.39823
ENSG00000191851	CHRD1	chordin like	ENSG00000191851	26.28361	-2.19331	1.570585	-1.39649
ENSG0000012086	ERV3-1	endogenous	ENSG0000012086	17.32315	1.813608	1.298689	1.396492
ENSG000001400759	GBP1P1	guanylate binding	ENSG000001400759	9.759155	2.433059	1.743556	1.395457
ENSG00000184514	GHDC	GH3 domain	ENSG00000184514	4.641161	-4.28004	3.068684	-1.39475
ENSG000001279281			ENSG000001279281	4.641161	-4.28004	3.068684	-1.39475
ENSG0000015597	MAPK6	mitogen-activated	ENSG0000015597	39.46597	1.352066	0.969497	1.394605
ENSG0000019816	URB2	URB2 ribosome	ENSG0000019816	14.41588	-2.33699	1.676432	-1.39402
ENSG0000019415	FADS2	fatty acid desaturase	ENSG0000019415	25.11718	1.552495	1.113865	1.393791
ENSG00000155352	COPRS	coordinator	ENSG00000155352	25.11718	1.552495	1.113865	1.393791
ENSG00000111237	RNF24	ring finger	ENSG00000111237	45.5694	1.318507	0.946349	1.393257
ENSG00000179022	TMEM106	transmembrane	ENSG00000179022	29.81288	1.508297	1.082574	1.39325
ENSG0000011743	DLST	dihydrolipase	ENSG0000011743	170.693	-0.91587	0.657421	-1.39312
ENSG000001260658			ENSG000001260658	4.89383	-4.36321	3.133306	-1.39253
ENSG00000129123	ANKRD11	ankyrin repeat	ENSG00000129123	126.1246	-0.94521	0.678793	-1.39249
ENSG00000183939	EIF2A	eukaryotic translation	ENSG00000183939	75.33964	1.049527	0.753894	1.392142
ENSG0000016529	SLC6A1	solute carrier	ENSG0000016529	4.680134	-4.28722	3.07964	-1.39212
ENSG00000110991	SLC38A3	solute carrier	ENSG00000110991	4.680134	-4.28722	3.07964	-1.39212
ENSG0000017803	PTP4A1	protein tyrosine	ENSG0000017803	51.43623	-1.34432	0.965695	-1.39207
ENSG00000110855	HPSE	heparanase	ENSG00000110855	5.377724	3.408144	2.448626	1.39186
ENSG0000013161	HMMR	hyaluronan	ENSG0000013161	3.725041	3.777829	2.714304	1.391823
ENSG000001283633			ENSG000001283633	3.725041	3.777829	2.714304	1.391823
ENSG000001100151684	RNU6	ATAC RNA, U6	ENSG000001100151684	15.68158	1.963272	1.410992	1.391413
ENSG00000122976	PAXIP1	PAX interaction	ENSG00000122976	10.4927	-2.92326	2.102129	-1.39062
ENSG00000110336	PCGF3	polycomb target	ENSG00000110336	37.37647	-1.42984	1.028877	-1.38971
ENSG0000012844	GPR21	G protein-coupled	ENSG0000012844	103.1654	-0.98628	0.709845	-1.38943
ENSG0000013569	IL6	interleukin	ENSG0000013569	4.663786	-4.29074	3.088356	-1.38933

ENSG00000157684	ZBTB26	zinc finger	ENSG0000014663786	-4.29074	3.088356	-1.38933
ENSG00000279425			ENSG0000014663786	-4.29074	3.088356	-1.38933
ENSG00000122808	MRAS	muscle RA	ENSG000001275.8437	0.778519	0.560368	1.389298
ENSG0000014047	LSS	lanosterol	ENSG00000155.52262	-1.23017	0.886776	-1.38724
ENSG00000110140	TOB1	transducer	ENSG00000155.8922	-1.24128	0.895035	-1.38685
ENSG0000016443	SGCB	sarcoglycan	ENSG000001125.4432	-0.93668	0.675646	-1.38635
ENSG00000179714	CCDC51	coiled-coil	ENSG0000014.618536	-4.26914	3.081596	-1.38537
ENSG0000017442	TRPV1	transient r	ENSG00000110.40848	-2.90952	2.101234	-1.38467
ENSG0000016710	SPTB	spectrin be	ENSG000001212.4978	-0.82468	0.595563	-1.38456
ENSG0000011737	DLAT	dihydrolip	ENSG000001173.0778	0.844569	0.610032	1.384466
ENSG0000016258	RXRG	retinoid X r	ENSG00000113.71947	2.316254	1.67356	1.384028
ENSG0000016450	SH3BGR	SH3 domai	ENSG00000145.78205	1.225771	0.885849	1.383725
ENSG0000015028	P2RY1	purinergic	ENSG00000116.02854	1.892723	1.367861	1.38371
ENSG000001440556	LINC00982	long interg	ENSG00000114.4712	-2.33804	1.690347	-1.38317
ENSG000001127428	TCEANC2	transcripti	ENSG00000114.4712	-2.33804	1.690347	-1.38317
ENSG00000179906	MORN1	MORN rep	ENSG0000014.579563	-4.2619	3.082998	-1.38239
ENSG00000273066			ENSG0000014.579563	-4.2619	3.082998	-1.38239
ENSG0000012103	ESRRB	estrogen r	ENSG0000014.579563	-4.2619	3.082998	-1.38239
ENSG0000013292	HSD17B1	hydroxyste	ENSG0000014.579563	-4.2619	3.082998	-1.38239
ENSG0000015737	PTGFR	prostaglan	ENSG00000110.97542	-2.997	2.169297	-1.38155
ENSG0000015292	PIM1	Pim-1 prot	ENSG00000134.71036	-1.50834	1.092585	-1.38052
ENSG00000191543	RSAD2	radical S-a	ENSG00000125.30198	1.529571	1.108062	1.380402
ENSG00000184498	FAM120B	family with	ENSG00000137.23065	-1.42293	1.031544	-1.37941
ENSG00000154520	CCDC93	coiled-coil	ENSG00000191.71539	-1.01451	0.736207	-1.37803
ENSG000001101929709	LOC101929	uncharacte	ENSG00000124.63289	-1.72023	1.248659	-1.37766
ENSG0000016167	RPL37	ribosomal	ENSG000001229.2934	0.81146	0.589225	1.377166
ENSG00000237174			ENSG0000014.556938	-4.25085	3.086763	-1.37712
ENSG000001374920	ZSWIM9	zinc finger	ENSG0000014.556938	-4.25085	3.086763	-1.37712
ENSG000001100506374	EDDM13	epididyma	ENSG0000014.556938	-4.25085	3.086763	-1.37712
ENSG000001349152	DPY19L2P2	DPY19L2 p	ENSG00000110.79441	-2.95856	2.148382	-1.37711
ENSG0000016415	SELENOW	selenoprot	ENSG000001354.1047	0.750918	0.545502	1.376562
ENSG0000016578	SLCO2A1	solute carr	ENSG00000121.48787	-1.85882	1.350426	-1.37647
ENSG0000016233	RPS27A	ribosomal	ENSG000001248.1719	0.832446	0.604793	1.376415
ENSG00000125828	TXN2	thioredoxin	ENSG00000128.27449	-1.64145	1.19308	-1.37581
ENSG0000019220	TIAF1	TGFB1-ind	ENSG00000110.32426	-2.89562	2.104989	-1.3756
ENSG0000016397	SEC14L1	SEC14 like	ENSG000001168.8624	-0.86392	0.62823	-1.37517
ENSG000001127018	LYPLAL1	lysophosph	ENSG00000151.63176	1.16466	0.84708	1.374912
ENSG0000017048	TGFB2	transformi	ENSG000001461.3847	-0.75899	0.552076	-1.3748
ENSG0000016392	SDHD	succinate c	ENSG00000181.86549	1.049012	0.763587	1.373794
ENSG0000012737	GLI3	GLI family	ENSG00000110.36951	-2.90621	2.115743	-1.37361
ENSG000001158376	SPAAR	small regul	ENSG00000110.36951	-2.90621	2.115743	-1.37361
ENSG0000017027	TFDP1	transcripti	ENSG00000140.67111	-1.39251	1.014072	-1.37319
ENSG0000019411	ARHGAP29	Rho GTPas	ENSG000001121.8833	-0.9298	0.677114	-1.37318
ENSG00000154891	INO80D	INO80 com	ENSG00000174.68428	-1.07871	0.785678	-1.37297
ENSG000001144132	DNHD1	dynein hea	ENSG00000133.95236	-1.46732	1.069257	-1.37228
ENSG00000126577	PCOLCE2	procollage	ENSG00000154.40548	-1.43992	1.049742	-1.37169
ENSG0000011579	CYP4A11	cytochrom	ENSG0000014.602188	-4.27262	3.115123	-1.37157

ENSG00000123457	ABCB9	ATP bindin	ENSG0000014602188	-4.27262	3.115123	-1.37157
ENSG00000111064	CNTRL	centriolin	ENSG00000145.80467	1.222962	0.892473	1.370308
ENSG000001744	MPPED2	metallophc	ENSG00000114.23108	-2.31776	1.691437	-1.37029
ENSG0000010261315			ENSG00000110.28528	-2.89234	2.110831	-1.37024
ENSG00000156971	CEACAM15	carcinoeml	ENSG00000110.28528	-2.89234	2.110831	-1.37024
ENSG0000014637	MYL6	myosin lig	ENSG000001180.5099	0.834587	0.609293	1.369762
ENSG0000017706	TRIM25	tripartite n	ENSG00000141.84292	1.250729	0.913144	1.369694
ENSG00000126548	ITGB1BP2	integrin su	ENSG00000141.4218	1.288171	0.940562	1.369576
ENSG00000122853	LMTK2	lemur tyro	ENSG000001138.4317	-0.90056	0.657682	-1.3693
ENSG0000016774	STAT3	signal tran	ENSG000001590.1964	-0.72501	0.529502	-1.36923
ENSG0000012651	GCNT2	glucosamir	ENSG00000165.93674	1.072545	0.783357	1.369165
ENSG00000179618	HMBX1	homeobox	ENSG00000160.35446	-1.15859	0.846456	-1.36876
ENSG00000190326	THAP3	THAP dom	ENSG0000014.517965	-4.24351	3.100678	-1.36858
ENSG0000010261635			ENSG0000014.517965	-4.24351	3.100678	-1.36858
ENSG0000010220884			ENSG00000114.14686	-2.30737	1.686424	-1.3682
ENSG000001253832	ZDHHC20	zinc finger	ENSG00000155.92413	1.13058	0.826544	1.36784
ENSG0000017076	TIMP1	TIMP meta	ENSG00000181.10618	1.06938	0.781859	1.36774
ENSG00000151177	PLEKHO1	pleckstrin l	ENSG00000152.43358	1.185869	0.867074	1.367666
ENSG0000010230042			ENSG0000014.49534	-4.23234	3.094867	-1.36754
ENSG00000110434	LYPLA1	lysophosph	ENSG00000162.97794	1.093266	0.799653	1.367174
ENSG00000110287	RGS19	regulator c	ENSG0000015.64674	3.026555	2.214535	1.366678
ENSG0000012182	ACSL4	acyl-CoA s	ENSG000001119.7291	0.901753	0.659981	1.366331
ENSG000001126308	MOB3A	MOB kinas	ENSG00000130.41251	1.441263	1.054994	1.366133
ENSG00000180380	PDCD1LG2	programm	ENSG00000110.08977	2.271495	1.663273	1.365678
ENSG0000014204	MECP2	methyl-Cp	ENSG000001108.0362	-0.96062	0.703871	-1.36477
ENSG00000127303	RBMS3	RNA bindir	ENSG00000194.85034	-1.01353	0.7433	-1.36356
ENSG000001285382	C3orf70	chromosor	ENSG00000110.24003	-2.88159	2.113631	-1.36334
ENSG0000010279110			ENSG00000110.22369	-2.88367	2.116998	-1.36215
ENSG000001124976	SPNS2	sphingolipi	ENSG00000117.63257	-2.00836	1.474873	-1.36172
ENSG00000154790	TET2	tet methyl	ENSG000001103.5852	0.939013	0.689621	1.361635
ENSG00000156990	CDC42SE2	CDC42 sma	ENSG00000139.17577	1.273236	0.935146	1.361537
ENSG0000018365	HIST1H4H	histone clu	ENSG00000114.75657	1.972825	1.449112	1.361403
ENSG0000016217	RPS16	ribosomal	ENSG00000187.31342	-1.06152	0.780166	-1.36064
ENSG0000019086	EIF1AY	eukaryotic	ENSG000001102.8547	0.997637	0.733506	1.360093
ENSG00000157572	DOCK6	dedicator c	ENSG00000143.03799	-1.33007	0.978691	-1.35903
ENSG000001192670	AGO4	argonaute	ENSG000001108.33	0.9551	0.703178	1.358261
ENSG0000014254	KITLG	KIT ligand	ENSG00000121.21885	-1.83823	1.353827	-1.3578
ENSG000001677772	SCARNA6	small Cajal	ENSG00000137.28781	1.328824	0.97872	1.357717
ENSG00000155666	NPLOC4	NPL4 hom	ENSG000001118.6993	-0.92847	0.683976	-1.35746
ENSG0000019585	KIF20B	kinesin fan	ENSG00000115.00924	1.883946	1.388224	1.357091
ENSG0000014779	NFE2L1	nuclear fac	ENSG0000011128.908	-0.74588	0.549661	-1.35698
ENSG0000010279649			ENSG0000014.433742	-4.2136	3.10593	-1.35663
ENSG000001374291	NDUFS7	NADH:ubic	ENSG0000014.433742	-4.2136	3.10593	-1.35663
ENSG000001728264	CARMN	cardiac me	ENSG00000165.29458	-1.19918	0.884021	-1.3565
ENSG00000126002	MOXD1	monooxyg	ENSG0000014.657509	-4.27698	3.153267	-1.35636
ENSG0000010223650			ENSG0000014.534313	-4.23992	3.127874	-1.35553
ENSG000001677829	SNORA49	small nucle	ENSG00000118.92574	1.692879	1.249841	1.354475

ENSG000001955	ENTPD6	ectonucleo	ENSG00000158.79463	-1.21635	0.898442	-1.35385
ENSG00000116236	ABHD15	abhydrolas	ENSG00000110.16209	-2.87493	2.12416	-1.35344
ENSG00000125957	PNISR	PNN intera	ENSG000001146.1006	-0.88218	0.65192	-1.3532
ENSG0000014209	MEF2D	myocyte e	ENSG000001171.4895	-0.85938	0.635343	-1.35263
ENSG000001116159	CYYR1	cysteine ar	ENSG00000160.06909	-1.15096	0.851514	-1.35167
ENSG000001844	CASQ1	calsequest	ENSG00000130.92792	1.387911	1.026887	1.351572
ENSG00000110935	PRDX3	peroxiredo	ENSG000001143.6559	0.854759	0.632479	1.351442
ENSG00000122234	FAM185A	family with	ENSG0000014.54059	-4.25418	3.149576	-1.35072
ENSG00000191147	TMEM67	transmeml	ENSG00000140.44147	1.27156	0.942329	1.34938
ENSG000001100498859	LINC00881	long interg	ENSG00000135.01587	-1.51622	1.123845	-1.34914
ENSG00000151449	PCYOX1	prenylcyst	ENSG000001170.7277	-0.85134	0.631323	-1.34849
ENSG00000163901	FAM111A	family with	ENSG00000122.86487	1.56256	1.158829	1.348396
ENSG0000019447	AIM2	absent in n	ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG0000010237719			ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG00000110718	NRG3	neuregulin	ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG0000012322	FLT3	fms relatec	ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG0000010280734			ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG0000017153	TOP2A	DNA topoi	ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG0000012015	ADGRE1	adhesion G	ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG00000123149	FCHO1	FCH domai	ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG0000013594	IL12RB1	interleukin	ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG00000180231	CXorf21	chromosor	ENSG0000012.806304	4.501055	3.338934	1.348052
ENSG00000164651	CSRNP1	cysteine ar	ENSG00000139.88668	-1.35959	1.008947	-1.34753
ENSG000001114769	CARD16	caspase re	ENSG0000016.834495	2.666522	1.979202	1.347271
ENSG0000013764	KCNJ8	potassium	ENSG00000148.89816	-1.25783	0.933694	-1.34716
ENSG00000125929	GEMIN5	gem nucle	ENSG00000139.82508	-1.35706	1.007588	-1.34684
ENSG000001526	ATP6V1B2	ATPase H+	ENSG00000188.13776	0.964519	0.716249	1.346625
ENSG00000123162	MAPK8IP3	mitogen-ac	ENSG00000148.3664	-1.24008	0.921359	-1.34592
ENSG000001587	BCAT2	branched c	ENSG00000124.11121	-1.68296	1.250515	-1.34581
ENSG0000012597	GAPDH	glyceralde	ENSG0000011045.475	0.685017	0.50909	1.345571
ENSG0000016558	SLC12A2	solute carr	ENSG00000154.10586	-1.18703	0.88241	-1.34521
ENSG000001221091	LRRN4CL	LRRN4 C-te	ENSG0000014.411117	-4.2022	3.124542	-1.3449
ENSG00000155167	MSL2	MSL compl	ENSG00000142.44842	-1.30396	0.969789	-1.34458
ENSG00000123078	VWA8	von Willeb	ENSG000001133.2856	-0.9137	0.679684	-1.3443
ENSG000001971	CD72	CD72 mole	ENSG0000013.663444	3.908416	2.907712	1.344155
ENSG0000012735	GLI1	GLI family	ENSG0000013.663444	3.908416	2.907712	1.344155
ENSG0000019170	LPAR2	lysophosph	ENSG0000013.663444	3.908416	2.907712	1.344155
ENSG0000014041	LRP5	LDL recept	ENSG00000133.43695	-1.44203	1.073562	-1.34322
ENSG000001249	ALPL	alkaline ph	ENSG00000131.11271	1.370232	1.020422	1.34281
ENSG000001112939	NACC1	nucleus ac	ENSG00000121.25782	-1.84014	1.370896	-1.34229
ENSG0000010263740			ENSG000001135.2093	0.889441	0.662648	1.342253
ENSG00000183543	AIF1L	allograft in	ENSG00000171.86778	-1.26614	0.943383	-1.34213
ENSG0000019445	ITM2B	integral m	ENSG000001421.5504	0.710774	0.529599	1.342099
ENSG00000164175	P3H1	prolyl 3-hy	ENSG00000113.87784	-2.27712	1.696995	-1.34186
ENSG0000014756	NEO1	neogenin 1	ENSG00000136.59832	-1.39636	1.040877	-1.34153
ENSG0000014709	NDUFB3	NADH:ubic	ENSG00000189.44243	0.966701	0.720798	1.341153
ENSG00000184060	RBM48	RNA bindir	ENSG00000110.03261	-2.84974	2.125403	-1.3408

ENSG0000017170	TPM3	tropomyosin	ENSG00000148481	0.841932	0.628073	1.340501
ENSG0000018476	CDC42BPA	CDC42 binding protein	ENSG00000120429	-0.80362	0.599916	-1.33955
ENSG00000189797	NAV2	neuron sodium channel	ENSG00000151242	-1.21333	0.905978	-1.33925
ENSG00000156882	CDC42SE1	CDC42 signaling effector	ENSG00000170912	1.022769	0.763794	1.339064
ENSG0000017453	WARS	tryptophan synthase	ENSG00000126799	0.758795	0.566771	1.338805
ENSG0000013430	IFI35	interferon inducible protein	ENSG00000116466	1.775445	1.326341	1.338604
ENSG0000016189	RPS3A	ribosomal protein	ENSG00000122608	0.783452	0.585282	1.338588
ENSG00000122663	SCUBE3	signal peptide	ENSG00000146469	1.179699	0.881637	1.338078
ENSG000001345462	ZNF879	zinc finger	ENSG00000143495	-4.18302	3.128662	-1.337
ENSG000001259630			ENSG00000143495	-4.18302	3.128662	-1.337
ENSG0000018195	MKKS	McKusick-like	ENSG00000133391	-1.43849	1.076127	-1.33673
ENSG0000016352	CCL5	C-C motif	ENSG00000141707	5.24765	3.926034	1.336629
ENSG00000154776	PPP1R12C	protein phosphatase	ENSG00000193583	-0.98904	0.740051	-1.33646
ENSG000001169611	OLFML2A	olfactomedin	ENSG00000142263	-1.2968	0.970539	-1.33616
ENSG00000110899	JTB	jumping transmembrane	ENSG00000145171	1.186326	0.887894	1.336112
ENSG0000014522	MTHFD1	methylene tetrahydrofolate	ENSG00000156839	-1.15871	0.867406	-1.33583
ENSG0000013728	JUP	junction protein	ENSG00000117172	-0.83129	0.622314	-1.3358
ENSG0000010213090			ENSG00000143947	-4.2059	3.149606	-1.33537
ENSG0000015616	PRKY	protein kinase	ENSG00000117340	-1.98026	1.483476	-1.33488
ENSG000001116987	AGAP1	ArfGAP with	ENSG00000148998	-1.2609	0.944664	-1.33476
ENSG000001721	C4B	complement	ENSG00000111423	2.096569	1.571645	1.333996
ENSG00000155187	VPS13D	vacuolar protein	ENSG00000145542	-0.7113	0.533285	-1.3338
ENSG0000017482	WNT2B	Wnt family	ENSG00000114360	-2.3352	1.75246	-1.33252
ENSG000001126364	LRRC25	leucine rich repeat	ENSG00000167112	2.755263	2.067939	1.332371
ENSG0000010260822			ENSG00000131073	1.371362	1.02944	1.332144
ENSG0000016748	SSR4	signal sequence	ENSG00000136755	1.279639	0.960708	1.331975
ENSG0000015305	PIP4K2A	phosphatidylinositol	ENSG00000145232	1.182503	0.887943	1.331733
ENSG0000011435	CSF1	colony stimulating	ENSG00000148126	-1.23315	0.926403	-1.33111
ENSG00000179633	FAT4	FAT atypical	ENSG00000111742	-0.9148	0.687415	-1.33079
ENSG00000191582	RPS19BP1	ribosomal protein	ENSG00000117279	-1.97483	1.484039	-1.33071
ENSG00000110350	ABCA9	ATP binding	ENSG00000114843	-0.98984	0.743872	-1.33066
ENSG000001100129917	LOC100129	uncharacterized	ENSG00000143105	-4.17535	3.137849	-1.33064
ENSG00000122981	NINL	ninein like	ENSG00000117995	-2.03617	1.530616	-1.3303
ENSG0000012521	FUS	FUS RNA binding	ENSG00000162248	-1.11231	0.836324	-1.33
ENSG00000127254	CSDC2	cold shock domain	ENSG00000112938	-0.94578	0.711235	-1.32977
ENSG0000012896	GRN	granulin precursor	ENSG00000110317	0.912433	0.686448	1.32921
ENSG0000017123	CLEC3B	C-type lectin	ENSG00000110256	-2.88005	2.166998	-1.32905
ENSG000001131544	CRYBG3	crystallin beta	ENSG00000113900	-0.86847	0.65401	-1.32792
ENSG00000125994	HIGD1A	HIG1 hypoxanthine	ENSG00000176801	0.996315	0.750289	1.327909
ENSG0000014629	MYH11	myosin heavy chain	ENSG00000115072	-1.05701	0.796035	-1.32785
ENSG0000016165	RPL35A	ribosomal protein	ENSG00000114713	0.840303	0.632851	1.327804
ENSG000001338069	ST7-OT4	ST7 overlap	ENSG00000142879	-4.16362	3.136099	-1.32764
ENSG000001154822	LINC00689	long intergenic	ENSG00000142879	-4.16362	3.136099	-1.32764
ENSG000001728118	NUTM2A	NUT family	ENSG00000142879	-4.16362	3.136099	-1.32764
ENSG000001148223	C19orf25	chromosome	ENSG00000142879	-4.16362	3.136099	-1.32764
ENSG00000123403	FBXO46	F-box protein	ENSG00000142879	-4.16362	3.136099	-1.32764
ENSG000001953	ENTPD1	ectonucleoside	ENSG00000120444	1.610993	1.213606	1.327443

ENSG000001800	CALD1	caldesmon	ENSG000001279.1171	-0.75893	0.571725	-1.32743
ENSG0000014921	DDR2	discoordin	ENSG000001155.1496	-0.84485	0.636604	-1.32713
ENSG00000126994	RNF11	ring finger	ENSG000001159.3599	0.845222	0.636956	1.326971
ENSG0000017357	UGCG	UDP-glucose	ENSG00000160.38964	-1.16173	0.875767	-1.32653
ENSG0000011009	CDH11	cadherin 11	ENSG00000121.67711	1.577343	1.190318	1.325145
ENSG00000154757	FAM20A	FAM20A, gamma	ENSG00000117.3472	-1.98477	1.498526	-1.32448
ENSG0000011284	COL4A2	collagen type IV	ENSG000001299.3509	-0.74262	0.560732	-1.32438
ENSG00000128389	INO80E	INO80 complex	ENSG0000019.948391	-2.83532	2.141108	-1.32423
ENSG0000015649	RELN	reelin	ENSG00000113.83887	-2.27445	1.717785	-1.32406
ENSG0000019096	TBX18	T-box 18	ENSG00000113.67042	-2.25299	1.702928	-1.32301
ENSG00000185028	SNHG12	small nucleolar RNA	ENSG0000014.624813	-4.2822	3.236714	-1.32301
ENSG00000192346	C1orf105	chromosome 1	ENSG0000018.02225	2.435381	1.841644	1.322395
ENSG00000191748	ELMSAN1	ELM2 and ELMSAN1	ENSG00000171.0653	-1.07484	0.812937	-1.32217
ENSG0000013434	IFIT1	interferon inducible	ENSG00000141.08635	1.219563	0.922456	1.322082
ENSG00000151386	EIF3L	eukaryotic translation	ENSG00000192.5596	0.948368	0.717594	1.321595
ENSG0000016625	SNRNP70	small nuclear ribonucleoprotein	ENSG00000181.50465	-1.0065	0.761842	-1.32114
ENSG000001101927636	LOC101927636	uncharacterized	ENSG0000012.867901	4.381894	3.316918	1.321074
ENSG0000010223473			ENSG0000012.867901	4.381894	3.316918	1.321074
ENSG0000010254325			ENSG0000012.867901	4.381894	3.316918	1.321074
ENSG000001342510	CD300E	CD300e molecule	ENSG0000012.867901	4.381894	3.316918	1.321074
ENSG000001347454	SOWAHD	sosondowah	ENSG0000012.867901	4.381894	3.316918	1.321074
ENSG000001166647	ADGRA3	adhesion G-protein coupled	ENSG00000139.06328	-1.32488	1.003162	-1.32071
ENSG00000156920	SEMA3G	semaphorin 3G	ENSG00000120.81657	-1.8128	1.372883	-1.32043
ENSG00000110220	GDF11	growth differentiation	ENSG00000139.06956	-1.32685	1.006071	-1.31885
ENSG000001401474	SAMD12	sterile alpha domain	ENSG00000124.14011	-1.68846	1.280566	-1.31853
ENSG0000016271	S100A1	S100 calcium binding	ENSG00000114.06787	1.873703	1.421485	1.31813
ENSG00000181	ACTN4	actinin alpha 4	ENSG00000192.41036	-0.96512	0.732215	-1.31809
ENSG00000157492	ARID1B	AT-rich interaction	ENSG000001152.2308	-0.84608	0.642139	-1.31759
ENSG0000011634	DCN	decorin	ENSG0000011174.4	-0.67549	0.512915	-1.31696
ENSG00000191768	CABLES1	Cdk5 and APC	ENSG0000014.226323	-4.14396	3.146781	-1.31689
ENSG0000010280332			ENSG0000014.226323	-4.14396	3.146781	-1.31689
ENSG0000017355	SLC35A2	solute carrier	ENSG0000014.226323	-4.14396	3.146781	-1.31689
ENSG00000155846	ITFG2	integrin alpha 2	ENSG00000117.20138	-1.9706	1.497172	-1.31622
ENSG0000011646	AKR1C2	aldo-keto reductase	ENSG00000121.42248	-1.86175	1.415105	-1.31563
ENSG0000010279598			ENSG0000014.248948	-4.1558	3.159759	-1.31523
ENSG00000129988	SLC2A8	solute carrier	ENSG0000014.248948	-4.1558	3.159759	-1.31523
ENSG00000156996	SLC12A9	solute carrier	ENSG00000120.50048	1.777757	1.352042	1.314868
ENSG0000014888	NPY6R	neuropeptide Y	ENSG000001161.3071	0.810424	0.616793	1.313934
ENSG0000013667	IRS1	insulin receptor	ENSG00000150.51331	-1.18741	0.90382	-1.31377
ENSG00000165082	VPS33A	VPS33A, class A	ENSG0000019.724624	-2.80458	2.134929	-1.31366
ENSG00000110890	RAB10	RAB10, member	ENSG000001109.4301	0.890719	0.678437	1.312898
ENSG0000018862	APLN	apelin	ENSG00000125.81332	-1.79061	1.36401	-1.31276
ENSG00000125847	ANAPC13	anaphase promoting	ENSG00000132.79953	1.315121	1.001847	1.312696
ENSG0000017060	THBS4	thrombospondin	ENSG00000179.94482	-1.04315	0.794731	-1.31258
ENSG0000014149	MAX	MYC associated	ENSG00000154.103	1.095345	0.834775	1.312145
ENSG0000013838	KPNA2	karyopherin	ENSG00000129.94496	-1.48024	1.128492	-1.31169
ENSG0000012078	ERG	ETS transcription	ENSG00000159.59893	-1.13802	0.86772	-1.31151

ENSG0000012318	FLNC	filamin C	ENSG000001715.018	-0.71572	0.545868	-1.31117
ENSG0000017133	TNFRSF1B	TNF recept	ENSG00000147.84473	1.167399	0.890397	1.3111
ENSG0000017745	ZKSCAN8	zinc finger	ENSG00000156.29174	-1.14353	0.872385	-1.3108
ENSG0000018462	KLF11	Kruppel lik	ENSG00000135.94716	-1.36291	1.040295	-1.31012
ENSG0000018289	ARID1A	AT-rich inte	ENSG000001148.94	-0.84185	0.642633	-1.31
ENSG0000013486	IGFBP3	insulin like	ENSG00000193.82724	-1.05827	0.807865	-1.30996
ENSG0000011194	ABCB8	ATP bindin	ENSG00000117.03294	-1.9529	1.490846	-1.30993
ENSG0000011192	CLIC1	chloride in	ENSG000001106.5455	0.893805	0.682759	1.309108
ENSG00000123475	QPRT	quinolinat	ENSG00000117.78846	-2.01723	1.540972	-1.30907
ENSG00000125932	CLIC4	chloride in	ENSG000001665.6082	0.693876	0.530102	1.308949
ENSG00000154458	PRR13	proline ric	ENSG00000124.65225	1.465426	1.11987	1.308568
ENSG0000016305	SBF1	SET bindin	ENSG00000164.59046	-1.08078	0.826127	-1.30825
ENSG00000156125	PCDHB11	protocadhe	ENSG0000014.265296	-4.15193	3.174338	-1.30797
ENSG0000016608	SMO	smoothen	ENSG0000014.265296	-4.15193	3.174338	-1.30797
ENSG000001140733	MACROD2	MACRO do	ENSG0000014.265296	-4.15193	3.174338	-1.30797
ENSG0000013856	KRT8	keratin 8	ENSG00000160.63997	1.149972	0.879369	1.307724
ENSG00000179804	HAND2-AS	HAND2 ant	ENSG00000184.216	-0.99374	0.760323	-1.307
ENSG0000017275	TUB	tubby bipa	ENSG00000153.26991	-1.15824	0.886581	-1.30641
ENSG0000010250770			ENSG0000014.45009	-4.21066	3.22354	-1.30622
ENSG00000157520	HECW2	HECT, C2 a	ENSG00000189.27789	-0.96655	0.740522	-1.30523
ENSG0000010237324			ENSG0000014.164725	-4.12403	3.160826	-1.30473
ENSG000001130557	ZNF513	zinc finger	ENSG0000014.164725	-4.12403	3.160826	-1.30473
ENSG000001116285	ACSM1	acyl-CoA s	ENSG0000014.164725	-4.12403	3.160826	-1.30473
ENSG0000017871	SLMAP	sarcolemm	ENSG000001332.9801	0.726832	0.557715	1.30323
ENSG00000157181	SLC39A10	solute carr	ENSG00000116.94871	-1.94394	1.491721	-1.30315
ENSG0000016280	S100A9	S100 calciu	ENSG000001147.076	2.916433	2.238021	1.30313
ENSG0000015151	PDE8A	phosphodi	ENSG00000147.47513	-1.20739	0.926648	-1.30297
ENSG00000155101	DMAC2	distal mem	ENSG00000142.2737	-1.29472	0.99371	-1.30291
ENSG0000016208	RPS14	ribosomal	ENSG000001218.4241	0.773852	0.594129	1.302498
ENSG00000155818	KDM3A	lysine dem	ENSG00000197.33649	-0.93843	0.72057	-1.30234
ENSG0000019516	LITAF	lipopolysac	ENSG00000178.78638	0.968766	0.743895	1.30229
ENSG00000156953	NT5M	5',3'-nucle	ENSG0000014.851198	3.038636	2.33661	1.300447
ENSG0000016508	SLC4A3	solute carr	ENSG000001350.1421	-0.71245	0.547891	-1.30035
ENSG00000157787	MARK4	microtubul	ENSG00000123.48895	-1.63892	1.260536	-1.30018
ENSG000001351	APP	amyloid be	ENSG000001489.9727	-0.68397	0.52616	-1.29993
ENSG00000122899	ARHGEF15	Rho guanir	ENSG00000126.60507	-1.54224	1.186958	-1.29932
ENSG000001155061	ZNF746	zinc finger	ENSG00000126.07005	1.423847	1.096409	1.298645
ENSG00000151012	PRELID3B	PRELI dom	ENSG00000148.56128	1.127297	0.868411	1.298115
ENSG00000129883	CNOT7	CCR4-NOT	ENSG00000168.7059	1.005686	0.774897	1.297831
ENSG0000017301	TYRO3	TYRO3 pro	ENSG0000014.187351	-4.13593	3.187249	-1.29765
ENSG00000155215	FANCI	FA comple	ENSG0000014.187351	-4.13593	3.187249	-1.29765
ENSG0000010231010			ENSG0000014.187351	-4.13593	3.187249	-1.29765
ENSG000001203068	TUBB	tubulin bet	ENSG000001156.6914	0.840484	0.647948	1.297148
ENSG0000016546	SLC8A1	solute carr	ENSG0000011420.767	0.7074	0.545652	1.29643
ENSG00000154995	OXSM	3-oxoacyl-/	ENSG00000112.85749	1.946535	1.501592	1.296314
ENSG000001216	ALDH1A1	aldehyde d	ENSG00000142.93638	1.25257	0.966751	1.295649
ENSG0000015216	PFN1	profilin 1	ENSG00000181.68357	0.958738	0.74125	1.293407

ENSG0000010522	DEAF1	DEAF1 transmembrane protein	ENSG00000168252	9.624054	-2.79179	2.159389	-1.29286
ENSG00000280128			ENSG00000168252	16.82552	-1.93278	1.495737	-1.29219
ENSG000009200	HACD1	3-hydroxyacyl-CoA dehydrogenase	ENSG000004372081	43.72081	1.197663	0.927344	1.291497
ENSG00000232044			ENSG000005831534	5.831534	2.853193	2.209626	1.291256
ENSG0000023368	PPP1R13B	protein phosphatase 1 regulatory subunit 13B	ENSG000001056126	105.6126	-0.91785	0.710855	-1.29119
ENSG00000279311			ENSG000004103127	4.103127	-4.10381	3.178573	-1.29108
ENSG00000260966			ENSG000004103127	4.103127	-4.10381	3.178573	-1.29108
ENSG000007216	TRO	trophinin	ENSG000004103127	4.103127	-4.10381	3.178573	-1.29108
ENSG000003620	IDO1	indoleamine 2,3-dioxygenase 1	ENSG000007506842	7.506842	2.784913	2.157806	1.290623
ENSG000009919	SEC16A	SEC16 homolog	ENSG000008877883	88.77883	-0.95621	0.740902	-1.2906
ENSG0000090639	COX19	cytochrome c oxidase subunit 19	ENSG000009539831	9.539831	-2.77679	2.151899	-1.29039
ENSG0000027129	HSPB7	heat shock protein beta 7	ENSG000003048093	3048.093	-0.74138	0.574557	-1.29035
ENSG0000010943	MSL3	MSL complex subunit 3	ENSG000002791381	27.91381	1.46796	1.137687	1.290302
ENSG000009739	SETD1A	SET domain containing 1A	ENSG000001701659	17.01659	-1.95404	1.514435	-1.29028
ENSG00000115019	SLC26A9	solute carrier family 26 member 9	ENSG000003450269	34.50269	1.268628	0.983818	1.289494
ENSG00000202151	RANBP3L	RAN binding protein 3-like	ENSG000004271574	4.271574	-4.16693	3.231495	-1.28947
ENSG00000718	C3	complement component 3	ENSG000009438516	943.8516	-2.16195	1.676628	-1.28947
ENSG000006134	RPL10	ribosomal protein L10	ENSG000003696063	369.6063	0.740289	0.574162	1.289337
ENSG0000049854	ZBTB21	zinc finger and BTB domain containing 21	ENSG000002645925	26.45925	-1.53261	1.189056	-1.28893
ENSG00000284459	HKR1	HKR1, GRIK1-like	ENSG000006716227	67.16227	-1.0583	0.82114	-1.28882
ENSG00000147965	FAM98C	family with sequence similarity 98 class C member 3	ENSG000006957691	6.957691	2.582017	2.004283	1.28825
ENSG000002327	FMO2	flavin monooxygenase 2	ENSG00000179133	179.133	-0.81642	0.633826	-1.28808
ENSG0000026035	GLCE	glucuronic acid C-epimerase	ENSG000003268522	32.68522	-1.40117	1.08797	-1.28788
ENSG00000254170	FBXO33	F-box protein 33	ENSG000001342403	13.42403	-2.22572	1.728517	-1.28765
ENSG0000029911	HOOK2	hook modulator 2	ENSG000003252305	32.52305	-1.3938	1.082591	-1.28747
ENSG000001824	DSC2	desmocollin 2	ENSG000008353256	83.53256	0.941264	0.731102	1.287458
ENSG0000055664	CDC37L1	cell division cycle 37-like 1	ENSG000004591675	45.91675	1.136542	0.883183	1.28687
ENSG000005689	PSMB1	proteasome subunit beta 1	ENSG000008519047	85.19047	0.931964	0.724257	1.286787
ENSG0000010098	TSPAN5	tetraspanin 5	ENSG000008106473	8.106473	2.362438	1.836288	1.286529
ENSG000001933	EEF1B2	eukaryotic translation initiation factor 1B2	ENSG000001118234	111.8234	0.864253	0.672017	1.286058
ENSG000007846	TUBA1A	tubulin alpha 1A class	ENSG000001031352	103.1352	0.953595	0.741755	1.285592
ENSG00000186466			ENSG000001417576	14.17576	-2.31538	1.801153	-1.2855
ENSG0000011096	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motifs 5	ENSG000004718349	47.18349	-1.19622	0.930709	-1.28528
ENSG0000054800	KLHL24	kelch like family member 24	ENSG000004182133	418.2133	-0.6939	0.539934	-1.28516
ENSG0000057452	GALNT16	polypeptide N-galactosyltransferase 16	ENSG000009824791	98.24791	-0.95371	0.742227	-1.28493
ENSG00000571	BACH1	BTB domain containing 1	ENSG000009620225	96.20225	0.918681	0.715023	1.284827
ENSG000009744	ACAP1	ArfGAP with PH domain 1	ENSG000001300331	13.00331	1.895205	1.476461	1.283614
ENSG000005223	PGAM1	phosphoglycerate kinase 1	ENSG000003179657	31.79657	1.299119	1.012107	1.283579
ENSG0000027249	MMADHC	metabolism of methylmalonyl-CoA dehydrogenase	ENSG000006133781	61.33781	1.045953	0.815811	1.282102
ENSG000005193	PEX12	peroxisomal membrane protein 12	ENSG000009355826	9.355826	2.188622	1.707838	1.281516
ENSG00000279940			ENSG000009478233	9.478233	-2.76738	2.159733	-1.28135
ENSG000005551	PRF1	perforin 1	ENSG000009109434	9.109434	2.296411	1.792788	1.280916
ENSG000006232	RPS27	ribosomal protein S27	ENSG000003038486	303.8486	0.716796	0.559688	1.280706
ENSG00000199953	TMEM201	transmembrane protein 201	ENSG000009432982	9.432982	-2.75563	2.151798	-1.28062
ENSG0000025890	ABI3BP	ABI family protein 3 binding protein	ENSG000008142317	81.42317	-1.07505	0.839548	-1.28051
ENSG0000084905	ZNF341	zinc finger protein 341	ENSG000005624115	5.624115	3.120265	2.437232	1.280249
ENSG0000022903	BTBD3	BTB domain containing 3	ENSG000004118756	41.18756	-1.25223	0.978147	-1.2802



ENSG00000154499	TMCO1	transmembrane	ENSG00000143.188	1.153747	0.902639	1.278193
ENSG00000155906	ZC4H2	zinc finger	ENSG0000017.041914	2.49035	1.948834	1.277867
ENSG0000018216	LZTR1	leucine zipper	ENSG00000132.33826	-1.38457	1.083858	-1.27745
ENSG000001100505774	LOC100505774	uncharacterized	ENSG0000016.980316	2.529521	1.98029	1.277348
ENSG00000157559	STAMBPL1	STAM binding	ENSG0000016.980316	2.529521	1.98029	1.277348
ENSG000001142940	TRUB1	TruB pseudotransferase	ENSG00000123.5877	1.45821	1.14161	1.277327
ENSG00000110218	ANGPTL7	angiopoietin-like 7	ENSG0000014.125753	-4.11571	3.222264	-1.27727
ENSG000001348013	TMEM255	transmembrane protein 255	ENSG0000014.125753	-4.11571	3.222264	-1.27727
ENSG0000014782	NFIC	nuclear factor of cell-cell interactions	ENSG000001212.1417	-0.77018	0.603031	-1.27719
ENSG0000015373	PMM2	phosphomannomutase 2	ENSG0000019.39401	-2.75207	2.15556	-1.27673
ENSG0000013768	KCNJ12	potassium channel protein 12	ENSG0000019.39401	-2.75207	2.15556	-1.27673
ENSG0000017079	TIMP4	TIMP metalloproteinase inhibitor 4	ENSG00000120.19431	-1.76246	1.380914	-1.2763
ENSG0000016230	RPS25	ribosomal protein S25	ENSG000001216.3002	0.748224	0.58633	1.276113
ENSG000001643749	TRAF3IP2	TRAF3 interacting protein 2	ENSG0000014.04153	-4.08327	3.20067	-1.27576
ENSG000001116447	TOP1MT	DNA topoisomerase (mitochondrial)	ENSG0000014.04153	-4.08327	3.20067	-1.27576
ENSG0000016752	SSTR2	somatostatin receptor type 2	ENSG0000014.04153	-4.08327	3.20067	-1.27576
ENSG00000183596	BCL2L12	BCL2 like 1	ENSG0000014.04153	-4.08327	3.20067	-1.27576
ENSG00000123212	RRS1	ribosome rescue factor 1	ENSG0000014.018904	-4.07078	3.191796	-1.27539
ENSG0000010131982			ENSG0000014.018904	-4.07078	3.191796	-1.27539
ENSG0000012584	GALK1	galactokinase	ENSG0000014.018904	-4.07078	3.191796	-1.27539
ENSG0000010265399			ENSG0000014.018904	-4.07078	3.191796	-1.27539
ENSG0000018131	NPRL3	NPR3 like, cytoplasmic	ENSG00000113.14874	-2.18777	1.716581	-1.27449
ENSG0000015155	PDGFB	platelet-derived growth factor B	ENSG00000135.24696	-1.33022	1.043906	-1.27427
ENSG00000123536	ADAT1	adenosine deaminase 1	ENSG00000122.15355	1.500762	1.17822	1.273754
ENSG000001352954	CASTOR3	CASTOR family class 3 member	ENSG00000113.4341	-2.21852	1.741752	-1.27373
ENSG00000111346	SYNPO	synaptophysin	ENSG0000011079.649	-0.66658	0.523557	-1.27317
ENSG00000185450	ITPRIP	inositol 1,4-bisphosphate receptor-interacting protein	ENSG00000155.6343	-1.12007	0.880082	-1.27268
ENSG00000185403	EAF1	ELL associated factor 1	ENSG00000116.63445	1.727263	1.357285	1.272587
ENSG0000018975	USP13	ubiquitin-specific protease 13	ENSG000001359.9731	-0.70531	0.554318	-1.27239
ENSG00000110277	UBE4B	ubiquitin-conjugating enzyme E4B	ENSG000001137.7238	-0.85026	0.668393	-1.27209
ENSG0000015058	PAK1	p21 (RAC1) exchange factor 1	ENSG00000124.89865	1.435178	1.128245	1.272045
ENSG00000184251	SGIP1	SH3 domain protein 1	ENSG0000019.416635	-2.7579	2.168809	-1.27162
ENSG000001160622	GRASP	general receptor for activator protein 1	ENSG00000123.11936	-1.61394	1.269272	-1.27155
ENSG00000126052	DNM3	dynamamin 3	ENSG00000120.92054	1.528432	1.202068	1.271502
ENSG0000019500	MAGED1	MAGE family class 1 member	ENSG00000163.63759	-1.05423	0.829243	-1.27132
ENSG00000154205	CYCS	cytochrome c	ENSG000001421.0126	0.705909	0.555476	1.270818
ENSG00000185377	MICALL1	MICAL like 1	ENSG00000117.25043	-1.96744	1.548559	-1.2705
ENSG00000126013	L3MBTL1	L3MBTL1, protein	ENSG0000019.410357	-2.74974	2.165046	-1.27006
ENSG0000011129	CHRM2	cholinergic receptor muscarinic 2	ENSG000001119.2883	0.847826	0.667921	1.26935
ENSG000001114884	OSBPL10	oxysterol binding protein-like 10	ENSG0000019.332412	-2.74252	2.162073	-1.26847
ENSG0000015587	PRKD1	protein kinase D1	ENSG0000019.332412	-2.74252	2.162073	-1.26847
ENSG000001317	APAF1	apoptotic protease activating factor 1	ENSG00000125.90789	1.43965	1.134953	1.268466
ENSG00000151351	ZNF117	zinc finger protein 117	ENSG00000131.89714	1.292379	1.018946	1.268349
ENSG00000180071	CCDC15	coiled-coil domain containing 15	ENSG0000013.786639	3.649826	2.878766	1.267844
ENSG00000155256	ADI1	acireductoisomerase	ENSG000001147.1768	0.813404	0.64208	1.266826
ENSG0000017703	PCGF2	polycomb target 2	ENSG0000019.348759	-2.74016	2.163845	-1.26634
ENSG00000184527	ZNF559	zinc finger protein 559	ENSG00000129.16054	-1.43601	1.13428	-1.26601

ENSG00000129775	CARD10	caspase re	ENSG00000109508	9.585081	-2.78781	2.202746	-1.26561
ENSG00000154806	AHI1	Abelson he	ENSG00000135363	35.36388	-1.33372	1.05387	-1.26554
ENSG00000164761	PARP12	poly(ADP-r	ENSG00000130239	23.23923	1.334822	1.055078	1.265141
ENSG0000019755	TBKBP1	TBK1 bindi	ENSG00000113126	11.12611	-2.18342	1.726259	-1.26483
ENSG0000018263	F8A1	coagulation	ENSG00000110627	10.6278	2.035724	1.609653	1.264697
ENSG0000016403	SELP	selectin P	ENSG00000122315	21572	1.482639	1.172447	1.264568
ENSG0000014048	LTA4H	leukotrien	ENSG00000154825	53	1.057091	0.835944	1.264547
ENSG000001165186	TOGARAM	TOG array	ENSG00000128228	2282	-1.93766	1.532548	-1.26434
ENSG000001199920	FYB2	FYN bindin	ENSG00000132455	17	-1.38836	1.098619	-1.26373
ENSG0000017695	ZNF136	zinc finger	ENSG00000121004	77	1.511309	1.195914	1.263727
ENSG00000157509	MTUS1	microtubul	ENSG00000143597	969	-0.67547	0.534586	-1.26354
ENSG00000185446	ZFHX2	zinc finger	ENSG00000141194	75	-4.10005	3.24491	-1.26353
ENSG00000154522	ANKRD16	ankyrin re	ENSG00000139573	306	-4.04981	3.205619	-1.26335
ENSG0000018681	JMJD7-PLA	JMJD7-PLA	ENSG00000139573	306	-4.04981	3.205619	-1.26335
ENSG00000123334	SZT2	SZT2, KICS	ENSG00000179851	157	-0.96998	0.767821	-1.26329
ENSG00000194121	SYTL4	synaptotag	ENSG00000126342	33	-1.52813	1.209775	-1.26315
ENSG00000179621	RNASEH2B	ribonuclea	ENSG00000138963	51	1.191768	0.943899	1.262601
ENSG0000013772	KCNJ15	potassium	ENSG00000114888	66	4.437795	3.516352	1.262045
ENSG00000125961	NUDT13	nudix hydr	ENSG00000192871	161	-2.73052	2.163653	-1.26199
ENSG0000017351	UCP2	uncoupling	ENSG00000194174	24	2.162787	1.71414	1.261733
ENSG00000184720	PIGO	phosphatic	ENSG00000192481	89	-2.7269	2.16125	-1.26172
ENSG0000015355	PLP2	proteolipid	ENSG00000134508	97	1.261865	1.000136	1.261694
ENSG00000156652	TWINK	twinkle mt	ENSG00000113064	51	-2.17632	1.725172	-1.26151
ENSG0000010211677			ENSG00000147706	34	-4.32632	3.429529	-1.26149
ENSG0000016830	SUPT6H	SPT6 homc	ENSG00000116522	204	-0.79154	0.627665	-1.26109
ENSG00000151564	HDAC7	histone de	ENSG00000141362	29	-1.26175	1.000591	-1.26101
ENSG000001132320	SCLT1	sodium ch	ENSG00000139103	305	1.185202	0.940368	1.26036
ENSG00000179827	CLMP	CXADR like	ENSG00000123080	39	-1.61226	1.279363	-1.2602
ENSG0000010219565			ENSG00000141810	73	-4.12071	3.270251	-1.26006
ENSG0000019749	PHACTR2	phosphata	ENSG00000123676	48	-0.73946	0.586856	-1.26003
ENSG0000014493	MT1E	metallothi	ENSG00000122399	94	1.466958	1.164537	1.259693
ENSG00000110096	ACTR3	ARP3 actin	ENSG00000113944	82	0.803488	0.637889	1.259604
ENSG00000151490	SPOUT1	SPOUT dor	ENSG00000192708	14	-2.7329	2.169749	-1.25955
ENSG000001131873	COL6A6	collagen ty	ENSG00000122989	89	-1.602	1.271917	-1.25952
ENSG0000018888	MCM3AP	minichrom	ENSG00000165991	191	-1.02826	0.816502	-1.25935
ENSG0000015339	PLEC	plectin	ENSG00000139420	96	-0.68388	0.543116	-1.25917
ENSG000001377047	PRSS45	serine prot	ENSG00000139799	32	-4.06239	3.228499	-1.25829
ENSG0000012852	GPB1	G protein-c	ENSG00000139799	32	-4.06239	3.228499	-1.25829
ENSG00000110087437C	CACNA1C-	CACNA1C i	ENSG00000139799	32	-4.06239	3.228499	-1.25829
ENSG000001161635	CSNK1A1P	casein kina	ENSG00000139799	32	-4.06239	3.228499	-1.25829
ENSG00000151087	YBX2	Y-box bindi	ENSG00000139799	32	-4.06239	3.228499	-1.25829
ENSG000001267002	PGBD2	piggyBac tr	ENSG00000139962	79	-4.05825	3.226576	-1.25776
ENSG0000010240661			ENSG00000139962	79	-4.05825	3.226576	-1.25776
ENSG00000123089	PEG10	paternally	ENSG00000139962	79	-4.05825	3.226576	-1.25776
ENSG0000018786	RGS11	regulator c	ENSG00000139962	79	-4.05825	3.226576	-1.25776
ENSG000001100462981	MTRNR2L2	MT-RNR2 l	ENSG00000117107	38	-2.85651	2.271802	-1.25737
ENSG0000011464	CSPG4	chondroitin	ENSG00000138126	76	-1.28161	1.019393	-1.25723

ENSG000001602	BCL3	B cell CLL/I	ENSG000001602	12.98657	-2.17095	1.727011	-1.25706
ENSG00000179812	MMRN2	multimeric	ENSG00000179812	80.7554	-0.99161	0.789819	-1.2555
ENSG00000151398	WDR83OS	WD repeat	ENSG00000151398	17.06564	1.643296	1.30934	1.255057
ENSG000001157310	PEBP4	phosphatic	ENSG000001157310	132.8212	0.883822	0.704404	1.254709
ENSG000001440248	HERC2P9	hect domain	ENSG000001440248	34.78452	-1.51395	1.206742	-1.25458
ENSG00000190523	MLIP	muscular L	ENSG00000190523	416.4759	-0.67323	0.536858	-1.25402
ENSG00000155505	NOP10	NOP10 ribo	ENSG00000155505	27.94166	1.335784	1.065231	1.253985
ENSG00000129937	NENF	neudesin n	ENSG00000129937	57.50933	1.051816	0.839437	1.253002
ENSG0000014302	MLLT6	MLLT6, PH	ENSG0000014302	167.6363	-0.78639	0.627757	-1.2527
ENSG000001253738	EBF3	EBF transcr	ENSG000001253738	16.38806	-1.88809	1.507835	-1.25218
ENSG0000013718	JAK3	Janus kinas	ENSG0000013718	26.12642	1.554346	1.242019	1.251467
ENSG0000013119	HLA-DQB1	major histoc	ENSG0000013119	22.21371	1.684588	1.346165	1.251398
ENSG000001154661	RUNDC3B	RUN domain	ENSG000001154661	3.934681	-4.037	3.226966	-1.25102
ENSG0000016526	SLC5A3	solute carr	ENSG0000016526	42.78152	-1.32195	1.056859	-1.25083
ENSG00000155704	CCDC88A	coiled-coil	ENSG00000155704	66.60947	0.987497	0.789515	1.250764
ENSG00000126502	NARF	nuclear pre	ENSG00000126502	34.83212	-1.30957	1.047311	-1.25041
ENSG0000010253671			ENSG0000010253671	3.895709	-4.02852	3.223377	-1.24978
ENSG000001100132891	MSC-AS1	MSC antise	ENSG000001100132891	3.895709	-4.02852	3.223377	-1.24978
ENSG00000180195	TMEM254	transmembr	ENSG00000180195	3.895709	-4.02852	3.223377	-1.24978
ENSG0000018111	GPR68	G protein-c	ENSG0000018111	3.895709	-4.02852	3.223377	-1.24978
ENSG0000010224430			ENSG0000010224430	3.895709	-4.02852	3.223377	-1.24978
ENSG0000019217	VAPB	VAMP assoc	ENSG0000019217	102.4676	-0.91648	0.733613	-1.24926
ENSG00000189910	UBE3B	ubiquitin p	ENSG00000189910	107.6627	-0.89948	0.720118	-1.24907
ENSG000001440503	PLIN5	perilipin 5	ENSG000001440503	43.83732	-1.20679	0.96621	-1.249
ENSG000001112464	CAVIN3	caveolae a	ENSG000001112464	17.08826	1.632532	1.308062	1.248054
ENSG000001255394	TCP11L2	t-complex	ENSG000001255394	116.8952	-0.85359	0.683946	-1.24803
ENSG00000156978	PRDM8	PR/SET dom	ENSG00000156978	3.93246	3.237007	2.593735	1.24801
ENSG000001100129195	ZSCAN16-A	ZSCAN16 a	ENSG000001100129195	9.440049	2.134385	1.710521	1.247798
ENSG00000164784	CRTC3	CREB regul	ENSG00000164784	57.43425	-1.0707	0.858111	-1.24775
ENSG000001221656	KDM1B	lysine dem	ENSG000001221656	28.99994	1.35506	1.08601	1.247742
ENSG00000110440	TIMM17A	translocase	ENSG00000110440	42.18504	1.137823	0.911967	1.247658
ENSG0000018527	DGKD	diacylglyce	ENSG0000018527	62.32966	1.000343	0.801783	1.247648
ENSG0000019757	KMT2B	lysine metl	ENSG0000019757	35.04582	-1.32212	1.059697	-1.24764
ENSG00000110962	MLLT11	MLLT11, tr	ENSG00000110962	19.56434	1.579662	1.266177	1.247584
ENSG00000110231	RCAN2	regulator c	ENSG00000110231	410.1712	0.663625	0.532479	1.246294
ENSG0000019397	NMT2	N-myristoy	ENSG0000019397	22.87297	-1.59701	1.281804	-1.24591
ENSG0000016222	RPS18	ribosomal	ENSG0000016222	310.8712	0.705886	0.566767	1.245461
ENSG0000019967	THRAP3	thyroid hor	ENSG0000019967	248.2008	-0.71909	0.577677	-1.24479
ENSG0000015358	PLS3	plastin 3	ENSG0000015358	87.8134	-0.93513	0.75135	-1.2446
ENSG00000179705	LRRK1	leucine ricl	ENSG00000179705	19.57062	1.563452	1.257242	1.243557
ENSG0000017798	LUZP1	leucine zip	ENSG0000017798	79.48578	-0.96013	0.77238	-1.24308
ENSG000001100131827	ZNF717	zinc finger	ENSG000001100131827	12.91869	-2.15763	1.736021	-1.24286
ENSG0000010280551			ENSG0000010280551	3.873083	-4.01549	3.232225	-1.24233
ENSG0000010196205			ENSG0000010196205	3.873083	-4.01549	3.232225	-1.24233
ENSG0000014007	PRICKLE3	prickle plar	ENSG0000014007	3.873083	-4.01549	3.232225	-1.24233
ENSG000001677763	SCARNA21	small Cajal	ENSG000001677763	30.87783	1.271788	1.024199	1.241739
ENSG0000014646	MYO6	myosin VI	ENSG0000014646	40.52006	-1.22246	0.984481	-1.24173

ENSG00000157513	CASKIN2	CASK inter	ENSG00000125.87597	-1.49344	1.203333	-1.24109
ENSG00000110345	TRDN	triadin	ENSG000001383.5119	0.664708	0.535606	1.241038
ENSG0000016867	TACC1	transformi	ENSG000001441.9953	-0.66583	0.536912	-1.24011
ENSG000001167227	DCP2	decapping	ENSG00000163.50107	1.004847	0.810898	1.239177
ENSG00000111138	TBC1D8	TBC1 dom	ENSG00000173.89842	-0.97911	0.790617	-1.23842
ENSG00000127010	TPK1	thiamin py	ENSG00000112.02298	1.883959	1.521555	1.238181
ENSG00000155454	CSGALNAC	chondroitin	ENSG00000133.6908	1.229397	0.992947	1.238129
ENSG0000010263120			ENSG0000013.918334	-4.04113	3.264	-1.23809
ENSG000001206412	C6orf163	chromosom	ENSG0000019.079743	-2.6951	2.177497	-1.23771
ENSG00000154874	FNBP1L	formin bin	ENSG00000170.94067	-0.9872	0.797721	-1.23753
ENSG00000181853	TMEM14B	transmembr	ENSG00000136.4975	1.199826	0.969909	1.23705
ENSG00000127434	POLM	DNA polyn	ENSG00000113.03182	-2.17945	1.762009	-1.23691
ENSG000001148	ADRA1A	adrenocep	ENSG00000159.94446	-1.04428	0.844463	-1.23662
ENSG0000015917	RARS	arginyl-tRN	ENSG00000162.47548	0.993321	0.803494	1.236252
ENSG00000110268	RAMP3	receptor ac	ENSG00000131.67703	-1.3496	1.091845	-1.23607
ENSG0000014151	MB	myoglobin	ENSG0000015973.828	0.705203	0.570626	1.23584
ENSG000001900	CCNG1	cyclin G1	ENSG00000181.87988	0.906984	0.734014	1.235649
ENSG000001163049	ZNF791	zinc finger	ENSG00000143.22762	-1.18498	0.959225	-1.23535
ENSG00000123012	STK38L	serine/thre	ENSG000001124.7808	0.881916	0.714212	1.23481
ENSG0000011475	CSTA	cystatin A	ENSG0000014.728003	3.189506	2.583511	1.234562
ENSG000001103352539	LINC01410	long interg	ENSG0000014.728003	3.189506	2.583511	1.234562
ENSG0000012328	FMO3	flavin cont	ENSG0000013.834111	-4.00689	3.24568	-1.23453
ENSG000001100506282	LOC100506	uncharacte	ENSG0000013.834111	-4.00689	3.24568	-1.23453
ENSG0000016196	RPS6KA2	ribosomal	ENSG000001189.5196	-0.80352	0.650884	-1.23451
ENSG00000129927	SEC61A1	Sec61 tran	ENSG00000184.44709	-0.932	0.755312	-1.23392
ENSG00000110294	DNAJA2	DnaJ heat s	ENSG000001105.7325	0.84596	0.685689	1.233736
ENSG00000110810	WASF3	WAS prote	ENSG00000125.6522	-1.48046	1.199984	-1.23373
ENSG0000012857	GPR34	G protein-c	ENSG00000116.44966	1.765988	1.431464	1.233694
ENSG0000019173	IL1RL1	interleukin	ENSG00000126.61763	-1.54757	1.25479	-1.23333
ENSG0000016728	SRP19	signal reco	ENSG0000013.811486	-3.99368	3.241667	-1.23198
ENSG0000010276710			ENSG0000013.811486	-3.99368	3.241667	-1.23198
ENSG000001339229	OXLD1	oxidoreduc	ENSG0000013.811486	-3.99368	3.241667	-1.23198
ENSG000001256949	KANK3	KN motif a	ENSG0000013.811486	-3.99368	3.241667	-1.23198
ENSG00000151599	LSR	lipolysis sti	ENSG0000013.811486	-3.99368	3.241667	-1.23198
ENSG0000013983	ABLIM1	actin bindi	ENSG0000011785.625	-0.61037	0.495445	-1.23197
ENSG00000151637	RTRAF	RNA transc	ENSG000001102.7964	0.851066	0.691039	1.231576
ENSG000001158399	ZNF483	zinc finger	ENSG00000119.48783	-1.70241	1.383229	-1.23075
ENSG000001687	KLF9	Kruppel lik	ENSG000001187.0983	-0.74983	0.609771	-1.22969
ENSG00000151582	AZIN1	antizyme ir	ENSG00000191.019	0.873932	0.711008	1.229144
ENSG000001187	APLNR	apelin rece	ENSG00000121.19871	-1.84545	1.501428	-1.22913
ENSG00000179742	DIPK2B	divergent p	ENSG00000157.54737	-1.07578	0.875479	-1.22878
ENSG00000110409	BASP1	brain abund	ENSG0000017.019289	2.539219	2.066676	1.228649
ENSG00000110961	ERP29	endoplasm	ENSG00000135.16392	1.210445	0.985246	1.22857
ENSG000001122622	ADSSL1	adenylosuc	ENSG00000174.92191	-1.08147	0.880284	-1.22855
ENSG0000016566	SLC16A1	solute carr	ENSG000001185.9253	0.777823	0.633192	1.228416
ENSG0000014218	RAB8A	RAB8A, me	ENSG0000018.37549	2.205023	1.796364	1.227493
ENSG00000154922	RASIP1	Ras interac	ENSG00000112.6723	-2.12857	1.734382	-1.22728

ENSG000001283450	HECTD4	HECT domain	ENSG000001268971	-0.82404	0.671588	-1.22701
ENSG00000109322	TRIP10	thyroid hormone receptor	ENSG00000106794147	-0.99206	0.808705	-1.22673
ENSG00000110424	PGRMC2	progesterone receptor	ENSG00000103150858	-1.33944	1.092343	-1.22621
ENSG000001054873	PALMD	palmdelphin	ENSG00000102501674	-0.77526	0.632312	-1.22607
ENSG000001010401	PIAS3	protein inhibitor of Smad	ENSG00000101608007	-1.85893	1.516595	-1.22573
ENSG00000100505738	MIR4458H	MIR4458 hairpin	ENSG00000101171499	1.977325	1.613539	1.225458
ENSG00000105270	SERPINE2	serpin family E member 2	ENSG0000010353576	-1.3318	1.08737	-1.22479
ENSG00000103064	HTT	huntingtin	ENSG0000010108364	-0.86039	0.702511	-1.22473
ENSG000001011080	DNAJB4	DnaJ heat shock protein	ENSG00000108971668	0.917691	0.749366	1.224623
ENSG00000108139	GAN	gigaxonin	ENSG00000104637016	-1.16447	0.950969	-1.22451
ENSG000001010487	CAP1	cyclase associated protein	ENSG00000101453004	0.796315	0.650393	1.22436
ENSG0000010115286	SLC25A26	solute carrier family 25 member 26	ENSG00000102256839	1.436233	1.173235	1.224165
ENSG000001051665	ASB1	ankyrin repeat domain 1	ENSG00000106368663	-1.05384	0.861688	-1.223
ENSG00000101832	DSP	desmoplakin	ENSG00000101814529	-0.68626	0.561147	-1.22296
ENSG000001010391	CORO2B	coronin 2B	ENSG00000101610269	-1.86255	1.52362	-1.22245
ENSG00000102811	GP1BA	glycoprotein 1B	ENSG00000101200035	1.902137	1.556781	1.22184
ENSG00000106840	SVIL	supervillin	ENSG00000109894657	-0.63942	0.523461	-1.22152
ENSG000001023126	POGZ	pogo transmembrane protein	ENSG00000109205189	-0.89696	0.734442	-1.22128
ENSG0000010221	ALDH3B1	aldehyde dehydrogenase family 3 member B1	ENSG00000109624843	2.0609	1.688744	1.220374
ENSG000001054521	WDR44	WD repeat domain 44	ENSG00000104259988	1.107968	0.907969	1.220271
ENSG0000010283755	HERC2P3	hect domain 2 protein 3	ENSG00000103054852	-1.77834	1.45742	-1.2202
ENSG000001090025	UBE3D	ubiquitin protein ligase 3D	ENSG00000103749888	-3.97155	3.255166	-1.22008
ENSG0000010136647	MPLKIP	M-phase promoting factor	ENSG00000103749888	-3.97155	3.255166	-1.22008
ENSG0000010399761	BMS1P1	BMS1, ribosome-associated protein	ENSG00000103749888	-3.97155	3.255166	-1.22008
ENSG00000109745	ZNF536	zinc finger protein 536	ENSG00000103749888	-3.97155	3.255166	-1.22008
ENSG0000010115290	FBXO17	F-box protein 17	ENSG00000103749888	-3.97155	3.255166	-1.22008
ENSG0000010111	ADCY5	adenylate cyclase 5	ENSG00000101957766	-0.75076	0.615338	-1.22008
ENSG00000104907	NT5E	5'-nucleotidase	ENSG00000101866823	1.537957	1.260558	1.220061
ENSG0000010388566	ZNF470	zinc finger protein 470	ENSG00000108995519	-2.67901	2.19585	-1.22003
ENSG0000010116984	ARAP2	ArfGAP with multiple domains 2	ENSG00000102833388	1.292588	1.059825	1.219624
ENSG000001050509	COL5A3	collagen type V alpha 3	ENSG00000103138538	-1.33307	1.093541	-1.21904
ENSG00000101508	CTSB	cathepsin B	ENSG0000010778041	0.652081	0.535061	1.218705
ENSG00000103570	IL6R	interleukin 6 receptor	ENSG00000104161811	1.184107	0.972527	1.217556
ENSG00000105660	PSAP	prosaposin	ENSG0000010133489	0.606547	0.498261	1.217327
ENSG00000106518	SLC2A5	solute carrier family 2 member 5	ENSG00000103772513	-3.98489	3.273888	-1.21717
ENSG000001010117	ENAM	enamelin	ENSG0000010146675	1.713566	1.407883	1.217122
ENSG000001056997	COQ8A	coenzyme Q8A	ENSG00000103157944	-0.68948	0.566615	-1.21684
ENSG00000109783	RIMS3	regulating intracellular signaling 3	ENSG00000103994058	3.145772	2.585308	1.216788
ENSG00000107535	ZAP70	zeta chain of protein tyrosine kinase 70	ENSG00000103994058	3.145772	2.585308	1.216788
ENSG00000105796	PTPRK	protein tyrosine phosphatase receptor type K	ENSG00000108430755	-0.92953	0.763936	-1.21676
ENSG00000107531	YWHAE	tyrosine 3-phosphoinositide dependent kinase-1	ENSG00000103338824	0.662255	0.544908	1.215352
ENSG000001079611	ACSS3	acyl-CoA synthetase 3	ENSG00000104565989	-1.14045	0.938738	-1.21488
ENSG000001023035	PHLPP2	PH domain serine/threonine phosphatase 2	ENSG00000101612532	-1.86609	1.53695	-1.21415
ENSG000001063905	MANBAL	mannosidase	ENSG00000101258808	-2.11664	1.743356	-1.21412
ENSG000001084301	DDI2	DNA damage-inducible protein 2	ENSG00000108645197	-0.90719	0.747339	-1.2139
ENSG0000010135293	PM20D2	peptidase 20D2	ENSG00000103496787	-1.31954	1.087256	-1.21365
ENSG00000107504	XK	X-linked Karyotype	ENSG00000102668603	1.354101	1.115943	1.213414

ENSG0000019547	CXCL14	C-X-C moti	ENSG000003856736	-4.01942	3.312673	-1.21335
ENSG00000225299			ENSG000003856736	-4.01942	3.312673	-1.21335
ENSG000008544	PIR	pirin	ENSG000008872324	-2.65879	2.192204	-1.21284
ENSG000009631	NUP155	nucleoporin	ENSG000003705697	-1.23407	1.017839	-1.21244
ENSG0000051026	GOLT1B	golgi transp	ENSG000003978691	1.132064	0.933765	1.212366
ENSG000005440	POLR2K	RNA polym	ENSG000003653647	1.198501	0.988687	1.212215
ENSG000001500	CTNND1	catenin del	ENSG000001814845	-0.75094	0.619596	-1.21198
ENSG000006503	SLA	Src like ad	ENSG000005856605	2.530317	2.088785	1.211382
ENSG0000053919	SLCO1C1	solute carr	ENSG00000378886	-3.98053	3.288366	-1.21049
ENSG00000100132501	LINC01415	long interg	ENSG00000378886	-3.98053	3.288366	-1.21049
ENSG00000100287765	LINC00630	long interg	ENSG00000378886	-3.98053	3.288366	-1.21049
ENSG000004820	NKTR	natural kill	ENSG00000165.63	-0.76408	0.631321	-1.21029
ENSG00000229715			ENSG000009108645	-2.70917	2.239082	-1.20995
ENSG0000023090	ZNF423	zinc finger	ENSG000001613539	-1.85987	1.538009	-1.20927
ENSG000002081	ERN1	endoplasm	ENSG000003691234	1.164543	0.963029	1.209251
ENSG0000023339	VPS39	VPS39, HO	ENSG00000101.2846	-0.8951	0.740907	-1.20811
ENSG000005465	PPARA	peroxisom	ENSG00000185.8927	-0.73759	0.610638	-1.20789
ENSG000008614	STC2	stanniocalc	ENSG000008771753	-2.64481	2.190015	-1.20767
ENSG000004926	NUMA1	nuclear mi	ENSG00000115.3528	-0.82844	0.686011	-1.20763
ENSG00000129446	XIRP2	xin actin bi	ENSG000001310.69	0.665171	0.551203	1.206764
ENSG000008718	TNFRSF25	TNF recept	ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG0000057576	KIF17	kinesin fan	ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG00000276975			ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG00000231259			ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG00000285676	ZNF454	zinc finger	ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG000009311	ASIC3	acid sensin	ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG00000219844	HYLS1	HYLS1, cen	ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG0000010101	NUBP2	nucleotide	ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG00000340591	CA5BP1	carbonic ar	ENSG00000368829	-3.94908	3.272904	-1.2066
ENSG00000358	AQP1	aquaporin	ENSG00000217.9955	-0.77301	0.640848	-1.20624
ENSG000002564	GABRE	gamma-arr	ENSG0000044.17985	1.087068	0.901295	1.206118
ENSG0000079674	VEPH1	ventricular	ENSG000004997019	2.805908	2.327503	1.205544
ENSG00000133522	PPARGC1B	PPARG coa	ENSG0000077.24838	-0.981	0.813977	-1.2052
ENSG000009926	LPGAT1	lysophosph	ENSG00000109.5499	0.817382	0.67831	1.205027
ENSG00000100287896	LOC100287	uncharacte	ENSG000003727262	-3.95806	3.28571	-1.20463
ENSG0000054345	SOX18	SRY-box 18	ENSG000003727262	-3.95806	3.28571	-1.20463
ENSG000007167	TPI1	triosephos	ENSG00000395.1914	0.656201	0.544911	1.204234
ENSG000005538	PPT1	palmitoyl- $\gamma$	ENSG0000055.62281	1.010485	0.839923	1.20307
ENSG0000025891	PAMR1	peptidase (	ENSG0000022.653	-1.57467	1.309092	-1.20287
ENSG0000057085	AGTRAP	angiotensin	ENSG0000010.95842	1.910608	1.588435	1.202824
ENSG000009423	NTN1	netrin 1	ENSG0000029.93647	1.247495	1.03741	1.202509
ENSG0000060489	APOBEC3G	apolipopro	ENSG000008498686	2.148039	1.787256	1.201864
ENSG0000080228	ORAI2	ORAI calci	ENSG0000012.2304	1.813545	1.509789	1.201191
ENSG00000338692	ANKRD13C	ankyrin re $\gamma$	ENSG0000018.32127	1.591924	1.325367	1.201119
ENSG0000023362	PSD3	pleckstrin $\gamma$	ENSG00000171.7331	-0.79767	0.664386	-1.20061
ENSG0000084255	SLC37A3	solute carr	ENSG0000015.78842	-1.82771	1.523111	-1.19998
ENSG0000055450	CAMK2N1	calcium/ca	ENSG000008.710155	-2.63454	2.195876	-1.19977

ENSG0000015436	POLR2G	RNA polymerase II	ENSG0000015436	13.44078	1.751771	1.46097	1.199047
ENSG00000155051	NRDE2	NRDE-2, nuclear RNAi	ENSG00000155051	25.4385	-1.4634	1.220727	-1.19879
ENSG0000014053	LTBP2	latent transforming growth factor beta	ENSG0000014053	106.7652	-0.88374	0.737652	-1.19804
ENSG00000126056	RAB11FIP5	RAB11 family interacting protein 5	ENSG00000126056	33.97982	-1.26557	1.056496	-1.1979
ENSG00000123396	PIP5K1C	phosphatidylinositol (5)-phosphate 3-kinase class I	ENSG00000123396	33.97982	-1.26557	1.056496	-1.1979
ENSG00000110492	SYNCRIP	synaptotagmin-binding nuclear RNA-binding protein	ENSG00000110492	133.8431	-0.79919	0.667193	-1.19784
ENSG00000151315	KRCC1	lysine-rich coiled-coil domain-containing protein 1	ENSG00000151315	34.26781	1.179726	0.985226	1.197417
ENSG0000013400	ID4	inhibitor of DNA binding with helix-loop-helix motif 4	ENSG0000013400	3.710915	-3.96248	3.309945	-1.19714
ENSG0000011268	CNR1	cannabinoid receptor 1	ENSG0000011268	3.710915	-3.96248	3.309945	-1.19714
ENSG000001233783			ENSG000001233783	3.710915	-3.96248	3.309945	-1.19714
ENSG00000127067	STAU2	stau protein 2	ENSG00000127067	101.2477	0.895348	0.747952	1.197066
ENSG00000110699	CORIN	corin, serine protease	ENSG00000110699	156.647	0.746241	0.623484	1.196887
ENSG000001253125			ENSG000001253125	3.665665	-3.93531	3.288885	-1.19655
ENSG000001150094	SIK1	salt inducible kinase 1	ENSG000001150094	3.665665	-3.93531	3.288885	-1.19655
ENSG00000151501	HIKESHI	Hikeshi, homeobox protein	ENSG00000151501	18.79143	1.517453	1.268452	1.196303
ENSG0000019901	SRGAP3	SLIT-ROBO guidance protein 3	ENSG0000019901	19.00512	-1.65694	1.386304	-1.19522
ENSG00000110410	IFITM3	interferon-induced with tetratricopeptide repeats 3	ENSG00000110410	174.913	-0.77233	0.646243	-1.19511
ENSG000001100874234	CACNA1C	CACNA1C, voltage-gated calcium channel subunit 1C	ENSG000001100874234	8.73278	-2.6409	2.210055	-1.19495
ENSG0000018106	PABPN1	poly(A) binding protein nuclear 1	ENSG0000018106	19.32566	-1.69036	1.414837	-1.19474
ENSG00000157621	ZBTB2	zinc finger and tetratricopeptide repeat domain 2	ENSG00000157621	8.817003	-2.6573	2.224349	-1.19464
ENSG0000013673	ITGA2	integrin subunit alpha 2	ENSG0000013673	17.7933	1.725777	1.44504	1.194276
ENSG0000011112	FOXN3	forkhead box N3	ENSG0000011112	229.9453	-0.70618	0.591315	-1.19426
ENSG000001103910	MYL12B	myosin light chain 12B	ENSG000001103910	156.9876	0.741472	0.621414	1.193201
ENSG00000184265	POLR3GL	RNA polymerase III subunit R	ENSG00000184265	13.56397	1.721488	1.442778	1.193175
ENSG00000180763	SPX	spexin hormone	ENSG00000180763	17.54207	1.543638	1.294083	1.192843
ENSG000001374378	GALNT18	polypeptide N-galactosyltransferase 18	ENSG000001374378	33.9572	-1.2638	1.060467	-1.19174
ENSG000001100820829	MYZAP	myocardial zinc finger protein	ENSG000001100820829	185.9402	0.798438	0.670146	1.191438
ENSG000001270640			ENSG000001270640	3.626692	-3.92623	3.295431	-1.19142
ENSG00000179661	NEIL1	nei like domain containing 1	ENSG00000179661	3.626692	-3.92623	3.295431	-1.19142
ENSG000001261770			ENSG000001261770	3.626692	-3.92623	3.295431	-1.19142
ENSG0000016853	SYN1	synapsin I	ENSG0000016853	3.626692	-3.92623	3.295431	-1.19142
ENSG000001143903	LAYN	layilin	ENSG000001143903	8.625932	-2.61765	2.198391	-1.19071
ENSG00000110840	ALDH1L1	aldehyde dehydrogenase family 1-like 1	ENSG00000110840	50.68031	-1.0697	0.898873	-1.19005
ENSG00000110225	CD96	CD96 molecule	ENSG00000110225	5.792561	2.834768	2.383559	1.1893
ENSG000001116844	LRG1	leucine rich repeat-containing protein 1	ENSG000001116844	5.792561	2.834768	2.383559	1.1893
ENSG000001100507321	ERVK13-1	endogenous virus-like element 13-1	ENSG000001100507321	28.90407	-1.42526	1.198855	-1.18885
ENSG0000016509	SLC1A4	solute carrier family 1A member 4	ENSG0000016509	17.37991	1.566846	1.318117	1.1887
ENSG000001129450	TYW5	tRNA-tyrosine synthase	ENSG000001129450	12.30271	-2.08396	1.753323	-1.18858
ENSG0000019349	RPL23	ribosomal protein L23	ENSG0000019349	270.4428	0.677442	0.569993	1.188509
ENSG00000110462	CLEC10A	C-type lectin domain family 10 member A	ENSG00000110462	8.190696	2.296626	1.933508	1.187803
ENSG000001117283	IP6K3	inositol hexakisphosphate kinase 3	ENSG000001117283	45.75981	1.067504	0.899212	1.187154
ENSG0000017295	TXN	thioredoxin	ENSG0000017295	25.71197	1.320157	1.1124	1.186765
ENSG000001284942	RPL23AP8	ribosomal protein L23-associated protein 8	ENSG000001284942	7.372529	2.264966	1.908524	1.186763
ENSG000001250860			ENSG000001250860	3.604067	-3.91223	3.297274	-1.18651
ENSG00000185480	TSLP	thymic stromal lymphopoietin	ENSG00000185480	3.604067	-3.91223	3.297274	-1.18651
ENSG0000015362	PLXNA2	plexin A2	ENSG0000015362	76.95673	-0.97402	0.821038	-1.18632
ENSG00000110602	CDC42EP3	CDC42 effector 3	ENSG00000110602	118.6337	0.799218	0.673764	1.186199

ENSG0000016091	ROBO1	roundabout	ENSG0000012797762	-1.36413	1.150257	-1.18593
ENSG000001317772	HIST2H2AE	histone cluster	ENSG0000013870862	3.337295	2.814411	1.185788
ENSG0000015778	PTPN7	protein tyrosine	ENSG0000013870862	3.337295	2.814411	1.185788
ENSG0000010243176			ENSG0000013870862	3.337295	2.814411	1.185788
ENSG000001643680	MS4A4E	membrane	ENSG0000013870862	3.337295	2.814411	1.185788
ENSG00000164919	BCL11B	B cell CLL/	ENSG0000013870862	3.337295	2.814411	1.185788
ENSG000001780853	SNORD3C	small nucleolar	ENSG0000013870862	3.337295	2.814411	1.185788
ENSG0000013240	HP	haptoglobin	ENSG0000012228288	-4.05851	3.422865	-1.1857
ENSG00000151427	ZNF107	zinc finger	ENSG0000011362557	1.706593	1.439466	1.185574
ENSG0000016193	RPS5	ribosomal	ENSG0000019618106	0.879237	0.741626	1.185553
ENSG0000018992	ATP6V0E1	ATPase H+	ENSG0000017844988	0.888252	0.749341	1.185378
ENSG0000012550	GABBR1	gamma-aminobutyric acid	ENSG0000012541209	-1.46797	1.238763	-1.18503
ENSG0000019145	SYNGR1	synaptogyrin	ENSG0000012193645	-1.52445	1.286488	-1.18497
ENSG00000110631	POSTN	periostin	ENSG0000016480758	2.445507	2.064016	1.18483
ENSG0000019839	ZEB2	zinc finger	ENSG0000012520364	0.687873	0.580691	1.184577
ENSG00000151639	SF3B6	splicing factor	ENSG0000012992012	1.244118	1.050653	1.184138
ENSG0000011296	COL8A2	collagen type	ENSG0000015120215	2.686844	2.271547	1.182826
ENSG00000179575	ABHD8	abhydrolase	ENSG0000015120215	2.686844	2.271547	1.182826
ENSG000001261726	TIPRL	TOR signaling	ENSG0000013430678	1.178512	0.996454	1.182707
ENSG00000164375	IKZF4	IKAROS family	ENSG0000011221849	-2.07164	1.75187	-1.18253
ENSG0000011212	CLTB	clathrin ligand	ENSG0000016373006	0.940045	0.795287	1.18202
ENSG0000015701	PSMC2	proteasome	ENSG0000017427063	0.890826	0.753799	1.181782
ENSG000001153129	SLC38A9	solute carrier	ENSG0000011760367	1.53271	1.297178	1.181572
ENSG0000010235363			ENSG000001307532	3.455	2.924148	1.18154
ENSG00000151514	DTL	denticles	ENSG000001307532	3.455	2.924148	1.18154
ENSG00000164108	RTP4	receptor tyrosine	ENSG000001307532	3.455	2.924148	1.18154
ENSG00000179730	NSUN7	NOP2/Sun	ENSG000001307532	3.455	2.924148	1.18154
ENSG000001944	TNFSF8	TNF superfamily	ENSG000001307532	3.455	2.924148	1.18154
ENSG000001341676	NEK5	NIMA related	ENSG000001307532	3.455	2.924148	1.18154
ENSG000001100287036	LOC100287	uncharacterized	ENSG000001307532	3.455	2.924148	1.18154
ENSG00000180776	B9D2	B9 domain	ENSG000001307532	3.455	2.924148	1.18154
ENSG000001114132	SIGLEC11	sialic acid binding	ENSG000001307532	3.455	2.924148	1.18154
ENSG00000157091	CASS4	Cas scaffolding	ENSG000001307532	3.455	2.924148	1.18154
ENSG0000017052	TGM2	transglutaminase	ENSG0000018388381	0.601497	0.509206	1.181244
ENSG0000015939	RBMS2	RNA binding	ENSG0000019670652	-0.86715	0.734107	-1.18124
ENSG0000012876	GPX1	glutathione peroxidase	ENSG0000012979692	1.255925	1.063238	1.181227
ENSG0000019844	ELMO1	engulfment	ENSG0000014874751	1.034737	0.876007	1.181198
ENSG00000123567	ZNF346	zinc finger	ENSG0000011224112	-2.07637	1.759246	-1.18026
ENSG000001133	ADM	adrenomedullary	ENSG0000011224112	-2.07637	1.759246	-1.18026
ENSG0000015332	PLCB4	phospholipase	ENSG0000015047289	-1.06232	0.900231	-1.18005
ENSG0000019123	SLC16A3	solute carrier	ENSG0000011235359	1.779549	1.509089	1.17922
ENSG0000015711	PSMD5	proteasome	ENSG0000011878135	-1.63965	1.390726	-1.17899
ENSG00000110006	ABI1	abl interaction	ENSG0000015622244	0.980145	0.831945	1.178137
ENSG0000016227	RPS21	ribosomal	ENSG0000014305474	1.156049	0.982003	1.177235
ENSG00000155707	NECAP2	NECAP enc	ENSG0000012852495	1.265344	1.075271	1.176767
ENSG0000018729	GBF1	golgi brefeldin	ENSG0000011427011	-0.76226	0.648199	-1.17597
ENSG0000013146	HMGB1	high mobility	ENSG0000011695745	0.72213	0.614543	1.175068



ENSG0000014232	MEST	mesoderm	ENSG0000014232	9.13127	-2.71421	2.310257	-1.17485
ENSG0000019814	SFI1	SFI1 centri	ENSG0000019814	14.93652	1.646154	1.401214	1.174806
ENSG0000010253142			ENSG0000010253142	3.542469	-3.88881	3.310282	-1.17477
ENSG00000125850	ZNF345	zinc finger	ENSG00000125850	3.542469	-3.88881	3.310282	-1.17477
ENSG000001102724428	SIK1B	salt induci	ENSG000001102724428	3.542469	-3.88881	3.310282	-1.17477
ENSG0000013344	FOXN2	forkhead b	ENSG0000013344	43.24476	1.061518	0.903718	1.174613
ENSG0000016332	SCN7A	sodium vol	ENSG0000016332	201.4783	-0.75294	0.641048	-1.17455
ENSG000001101927034	ROR1-AS1	ROR1 antis	ENSG000001101927034	3.565094	-3.90298	3.323875	-1.17423
ENSG0000010283399			ENSG0000010283399	3.565094	-3.90298	3.323875	-1.17423
ENSG0000018711	TNK1	tyrosine ki	ENSG0000018711	3.565094	-3.90298	3.323875	-1.17423
ENSG0000010276449			ENSG0000010276449	3.565094	-3.90298	3.323875	-1.17423
ENSG00000156252	YLPM1	YLP motif c	ENSG00000156252	106.1402	-0.82316	0.701192	-1.17394
ENSG0000011032	CDKN2D	cyclin depe	ENSG0000011032	15.02074	1.620704	1.380917	1.173644
ENSG000001100505894	TMEM161	TMEM161f	ENSG000001100505894	21.79062	-1.51272	1.289027	-1.17354
ENSG0000019759	HDAC4	histone de	ENSG0000019759	49.13345	1.015962	0.866269	1.172802
ENSG0000018317	CDC7	cell divisio	ENSG0000018317	3.649317	-3.93957	3.359504	-1.17267
ENSG0000016869	TACR1	tachykinin	ENSG0000016869	3.649317	-3.93957	3.359504	-1.17267
ENSG0000010281332			ENSG0000010281332	3.649317	-3.93957	3.359504	-1.17267
ENSG0000017419	VDAC3	voltage de	ENSG0000017419	167.9079	0.727408	0.620402	1.172477
ENSG0000013681	ITGAD	integrin su	ENSG0000013681	8.609584	-2.62008	2.234941	-1.17232
ENSG0000017042	TGFB2	transformi	ENSG0000017042	9.748038	2.012915	1.717057	1.172305
ENSG000001489	ATP2A3	ATPase sar	ENSG000001489	9.748038	2.012915	1.717057	1.172305
ENSG00000155008	HERC6	HECT and F	ENSG00000155008	31.57803	1.205824	1.028759	1.172115
ENSG000001220988	HNRNPA3	heterogen	ENSG000001220988	114.3345	-0.81324	0.694118	-1.17161
ENSG000001137835	TMEM71	transmembr	ENSG000001137835	31.46112	1.209527	1.032462	1.171498
ENSG00000123199	GSE1	Gse1 coile	ENSG00000123199	44.70074	-1.10135	0.940929	-1.1705
ENSG000001400960	PCBP1-AS1	PCBP1 anti	ENSG000001400960	27.19137	1.282212	1.095552	1.170379
ENSG0000011329	COX5B	cytochrom	ENSG0000011329	166.2826	0.730563	0.624296	1.170218
ENSG00000184293	PRXL2A	peroxiredo	ENSG00000184293	150.2116	-0.74965	0.640884	-1.16972
ENSG000001816	CAMK2B	calcium/ca	ENSG000001816	78.85097	-0.94426	0.807527	-1.16933
ENSG000001388135	INSYN1	inhibitory s	ENSG000001388135	65.53457	-1.10367	0.943921	-1.16924
ENSG0000013151	HMG2	high mobil	ENSG0000013151	49.98431	1.044524	0.89348	1.169052
ENSG0000017049	TGFB3	transformi	ENSG0000017049	148.5605	-0.87642	0.74982	-1.16885
ENSG0000016275	S100A4	S100 calciu	ENSG0000016275	51.8295	1.005481	0.860386	1.168639
ENSG0000016815	STYX	serine/thre	ENSG0000016815	37.10601	-1.23279	1.05529	-1.1682
ENSG0000018558	CDK10	cyclin depe	ENSG0000018558	18.63553	-1.62611	1.392311	-1.16792
ENSG00000164900	LPIN3	lipin 3	ENSG00000164900	18.63553	-1.62611	1.392311	-1.16792
ENSG0000013184	HNRNPD	heterogen	ENSG0000013184	58.31401	-0.99575	0.852599	-1.1679
ENSG000001127262	TPRG1L	tumor prot	ENSG000001127262	47.84956	-1.08901	0.932696	-1.16759
ENSG000001118461	C10orf71	chromosom	ENSG000001118461	232.8989	-0.79794	0.684045	-1.1665
ENSG00000157645	POGK	pogo trans	ENSG00000157645	50.33963	-1.05998	0.90875	-1.16642
ENSG0000011471	CST3	cystatin C	ENSG0000011471	214.3967	0.683643	0.586346	1.165938
ENSG00000110097	ACTR2	ARP2 actin	ENSG00000110097	164.2503	0.716182	0.614688	1.165114
ENSG000001706	TSPO	translocat	ENSG000001706	12.43781	1.746475	1.499231	1.164914
ENSG0000012114	ETS2	ETS proto-c	ENSG0000012114	122.4375	-0.89415	0.767898	-1.16442
ENSG000001114907	FBXO32	F-box prote	ENSG000001114907	516.949	-0.61306	0.526794	-1.16376
ENSG00000191137	SLC25A46	solute carr	ENSG00000191137	85.17451	0.84451	0.72568	1.163749

ENSG00000123036	TC2N	tandem C2	ENSG00000137361	37.36117	-1.2519	1.07612	-1.16335
ENSG0000015297	PI4KA	phosphatic	ENSG00000187396	87.39961	-0.86366	0.742416	-1.16331
ENSG00000184440	RAB11FIP4	RAB11 fam	ENSG00000119105	19.10569	1.451589	1.248904	1.16229
ENSG00000122931	RAB18	RAB18, me	ENSG00000110645	106.4568	0.790848	0.680623	1.161948
ENSG00000193664	CADPS2	calcium de	ENSG00000152820	52.82094	-1.02808	0.884824	-1.16191
ENSG0000010279739			ENSG00000134808	3.480871	-3.86501	3.327941	-1.16138
ENSG00000151085	MLXIPL	MLX intera	ENSG00000134808	3.480871	-3.86501	3.327941	-1.16138
ENSG000001441666	LOC441666	zinc finger	ENSG00000134808	3.480871	-3.86501	3.327941	-1.16138
ENSG0000010260461			ENSG00000134808	3.480871	-3.86501	3.327941	-1.16138
ENSG00000110998	SLC27A5	solute carr	ENSG00000134808	3.480871	-3.86501	3.327941	-1.16138
ENSG00000110000	AKT3	AKT serine,	ENSG00000168821	68.82123	-0.93135	0.802069	-1.16118
ENSG0000011545	CYP1B1	cytochrom	ENSG00000160902	60.90217	-0.975	0.839876	-1.16089
ENSG00000110614	HEXIM1	hexamethy	ENSG00000124660	24.66036	-1.41436	1.218403	-1.16083
ENSG00000126086	GPSM1	G protein s	ENSG00000115474	15.47416	-1.79198	1.544396	-1.16031
ENSG00000179632	FAM184A	family with	ENSG00000135814	3.581441	-3.89842	3.360866	-1.15995
ENSG0000012119	ETV5	ETS variant	ENSG00000112033	12.0337	-2.0486	1.766577	-1.15964
ENSG000001146177	VWA3A	von Willeb	ENSG00000136430	3.643039	-3.92204	3.382363	-1.15956
ENSG0000015725	PTBP1	polypyrimi	ENSG00000139456	39.45654	-1.17933	1.017952	-1.15854
ENSG0000016621	SNAPC4	small nucle	ENSG00000183795	8.37954	-2.57533	2.223534	-1.15821
ENSG0000014702	NDUFA8	NADH:ubic	ENSG00000182920	82.92076	0.87553	0.755978	1.158141
ENSG00000150862	RNF141	ring finger	ENSG00000144869	44.86998	1.037283	0.896339	1.157243
ENSG0000013429	IFI27	interferon	ENSG00000155381	55.38165	0.957993	0.827994	1.157005
ENSG0000016786	STIM1	stromal int	ENSG00000149447	49.44771	0.995639	0.860901	1.156509
ENSG00000111335	CBX3	chromobo	ENSG00000176187	76.18749	0.869251	0.751862	1.156131
ENSG000001463	ZFH3	zinc finger	ENSG00000185077	85.07798	-0.87717	0.758827	-1.15596
ENSG0000010272221			ENSG00000135198	3.519844	-3.87457	3.352821	-1.15562
ENSG000001126432	RINL	Ras and Ra	ENSG00000135198	3.519844	-3.87457	3.352821	-1.15562
ENSG0000014733	DRG1	developme	ENSG00000150187	50.18793	1.024086	0.886973	1.154585
ENSG0000012170	FABP3	fatty acid b	ENSG00000117740	1774.085	0.64501	0.55876	1.15436
ENSG000001109729181	ZNF710-AS	ZNF710 an	ENSG00000156031	56.03136	-1.02385	0.886973	-1.15432
ENSG0000013678	ITGA5	integrin su	ENSG00000113553	135.5313	-0.78047	0.67644	-1.15379
ENSG000001282996	RBM20	RNA bindir	ENSG00000135622	356.2213	-0.64218	0.55675	-1.15344
ENSG0000013669	ISG20	interferon	ENSG00000174567	74.45672	2.193066	1.902374	1.152805
ENSG0000018672	EIF4G3	eukaryotic	ENSG00000112884	128.8414	-0.76798	0.666267	-1.15267
ENSG0000019830	TRIM14	tripartite n	ENSG00000114858	14.85857	1.648424	1.430157	1.152617
ENSG000001203286	ANKS6	ankyrin re	ENSG00000183342	8.33429	-2.56175	2.223235	-1.15226
ENSG00000184270	CARD19	caspase re	ENSG00000111227	11.22744	1.813612	1.574239	1.152056
ENSG0000015293	PIK3CD	phosphatic	ENSG00000118797	18.7977	1.501449	1.30334	1.152001
ENSG0000017386	UQCRCF1	ubiquinol- $\alpha$	ENSG00000118376	183.7653	0.705886	0.613306	1.150952
ENSG0000015129	CDK18	cyclin depe	ENSG00000114960	149.6063	-0.84808	0.7374	-1.1501
ENSG000001253430	IPMK	inositol pol	ENSG00000117895	17.89531	1.471143	1.279391	1.149878
ENSG000001100506178	LOC100506	uncharacte	ENSG00000134582	3.458246	-3.85042	3.352987	-1.14835
ENSG000001100506127	GVQW3	GVQW mo	ENSG00000134582	3.458246	-3.85042	3.352987	-1.14835
ENSG000001146542	ZNF688	zinc finger	ENSG00000134582	3.458246	-3.85042	3.352987	-1.14835
ENSG0000010233895			ENSG00000183179	8.317942	-2.56453	2.233312	-1.14831
ENSG00000184987	COX14	cytochrom	ENSG00000130536	30.5361	1.186891	1.033621	1.148284
ENSG00000157556	SEMA6A	semaphori	ENSG00000128366	28.36604	-1.3933	1.214575	-1.14715

ENSG0000015469	MED1	mediator c	ENSG00000163.66126	-0.96493	0.841374	-1.14685
ENSG000001375190	FAM228B	family with	ENSG0000018.272692	-2.55087	2.224431	-1.14675
ENSG0000012669	GEM	GTP bindin	ENSG0000018.272692	-2.55087	2.224431	-1.14675
ENSG0000013636	INPPL1	inositol pol	ENSG000001126.6493	-0.77734	0.678072	-1.1464
ENSG00000179693	YRDC	yrDC N6-th	ENSG0000013.419273	-3.84079	3.350707	-1.14626
ENSG0000010234943			ENSG0000013.419273	-3.84079	3.350707	-1.14626
ENSG0000010253932			ENSG0000013.419273	-3.84079	3.350707	-1.14626
ENSG0000012189	FANCG	FA comple	ENSG0000013.419273	-3.84079	3.350707	-1.14626
ENSG0000010272977			ENSG0000013.419273	-3.84079	3.350707	-1.14626
ENSG0000011375	CPT1B	carnitine p	ENSG0000013.419273	-3.84079	3.350707	-1.14626
ENSG00000126051	PPP1R16B	protein ph	ENSG00000117.87269	1.480383	1.291981	1.145824
ENSG00000155589	BMP2K	BMP2 indu	ENSG00000137.71939	1.099762	0.95996	1.145633
ENSG0000015108	PCM1	pericentric	ENSG000001390.0613	0.620816	0.541961	1.145499
ENSG0000019218	VAPA	VAMP assc	ENSG000001152.3309	0.723772	0.631896	1.145397
ENSG000001132228	LSMEM2	leucine ric	ENSG00000112.47679	1.745897	1.525994	1.144104
ENSG00000157541	ZNF398	zinc finger	ENSG00000121.50526	-1.49283	1.305485	-1.14351
ENSG0000017363	UGT2B4	UDP glucur	ENSG00000122.8085	1.414962	1.237462	1.143438
ENSG0000012840	GPR17	G protein-c	ENSG00000124.50826	-1.40045	1.225276	-1.14297
ENSG000001203859	ANO5	anoctamin	ENSG000001198.8533	0.717347	0.627853	1.142538
ENSG0000011432	MAPK14	mitogen-ac	ENSG00000183.52288	0.850595	0.744532	1.142456
ENSG00000127020	NPTN	neuroplast	ENSG000001127.8686	0.751849	0.658201	1.142279
ENSG00000157664	PLEKHA4	pleckstrin	ENSG00000123.00585	1.368387	1.198176	1.142058
ENSG00000123603	CORO1C	coronin 1C	ENSG000001109.8405	0.777823	0.681117	1.141981
ENSG00000180762	NDFIP1	Nedd4 fam	ENSG000001118.9796	0.762251	0.667926	1.14122
ENSG000001146057	TTBK2	tau tubulin	ENSG00000178.84194	-0.87506	0.766874	-1.14107
ENSG00000110915	TCERG1	transcripti	ENSG00000160.66833	-0.97043	0.850607	-1.14086
ENSG0000018829	NRP1	neuropilin	ENSG000001312.655	-0.63857	0.559754	-1.1408
ENSG0000015356	PLRG1	pleiotropic	ENSG00000145.85659	1.05328	0.923308	1.140767
ENSG0000010236936			ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG0000013898	LAD1	ladinin 1	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG0000010231579			ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG0000018361	HIST1H4F	histone clu	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG0000013120	HLA-DQB2	major histc	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG00000184433	CARD11	caspase re	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG00000154329	GPR85	G protein-c	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG00000150856	CLEC4A	C-type lect	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG000001100188949	LINC00426	long interg	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG0000016252	RTN1	reticulon 1	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG0000011201	CLN3	CLN3, batt	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG0000010267102			ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG00000157761	TRIB3	tribbles ps	ENSG0000013.013722	3.593244	3.150366	1.14058
ENSG00000184809	CROCCP2	ciliary root	ENSG0000018.211094	-2.53992	2.226867	-1.14058
ENSG0000011801	DPH1	diphthamix	ENSG0000018.211094	-2.53992	2.226867	-1.14058
ENSG0000010279175			ENSG0000018.211094	-2.53992	2.226867	-1.14058
ENSG00000164288	ZSCAN31	zinc finger	ENSG00000111.25006	1.79494	1.575312	1.139419
ENSG00000123367	LARP1	La ribonucl	ENSG000001317.2608	-0.64936	0.569944	-1.13933
ENSG00000125878	MXRA5	matrix rem	ENSG00000135.01326	1.114585	0.978374	1.139222

ENSG0000017341	SUMO1	small ubiquitin	ENSG0000017341	46.78056	0.99979	0.877727	1.139067
ENSG00000130818	KCNIP3	potassium channel	ENSG00000130818	3.396648	-3.82591	3.359762	-1.13875
ENSG000001202020	TAPT1-AS1	TAPT1 anti-sense	ENSG000001202020	3.396648	-3.82591	3.359762	-1.13875
ENSG000001255710			ENSG000001255710	3.396648	-3.82591	3.359762	-1.13875
ENSG00000157332	CBX8	chromobox	ENSG00000157332	3.396648	-3.82591	3.359762	-1.13875
ENSG00000183473	KATNAL2	katanin catenin	ENSG00000183473	3.396648	-3.82591	3.359762	-1.13875
ENSG0000019454	HOMER3	homer scaffolding	ENSG0000019454	3.396648	-3.82591	3.359762	-1.13875
ENSG00000125	ABL1	ABL proto-oncogene	ENSG00000125	76.11803	-0.88223	0.77474	-1.13875
ENSG0000019802	DAZAP2	DAZ associated	ENSG0000019802	172.9534	0.692962	0.608624	1.138571
ENSG000001257415	FAM133B	family with 133	ENSG000001257415	15.12719	-1.75841	1.545129	-1.13803
ENSG00000110093	ARPC4	actin related	ENSG00000110093	26.3732	1.241597	1.091237	1.137789
ENSG00000184263	HSDL2	hydroxysteroid	ENSG00000184263	265.1136	0.674217	0.592578	1.137768
ENSG000001677819	SNORA37	small nucleolar	ENSG000001677819	8.767702	2.01033	1.767032	1.137687
ENSG000001257647			ENSG000001257647	8.311665	-2.55504	2.245924	-1.13764
ENSG0000015694	PSMB6	proteasome	ENSG0000015694	76.7645	0.84933	0.746596	1.137603
ENSG00000123350	U2SURP	U2 snRNP	ENSG00000123350	86.58628	-0.84589	0.743973	-1.13698
ENSG00000157634	EP400	E1A binding	ENSG00000157634	60.24094	-0.95549	0.840565	-1.13673
ENSG0000018085	KMT2D	lysine methyl	ENSG0000018085	215.13	-0.67434	0.59333	-1.13654
ENSG000001163486	DENND1B	DENN domain	ENSG000001163486	57.55981	0.985361	0.867505	1.135857
ENSG0000012885	GRB2	growth factor	ENSG0000012885	82.1893	0.849393	0.747836	1.135801
ENSG00000123264	ZC3H7B	zinc finger	ENSG00000123264	86.62525	-0.84646	0.745299	-1.13573
ENSG00000164777	RMND5B	required for	ENSG00000164777	33.00432	-1.21403	1.069407	-1.13524
ENSG00000193380	MMGT1	membrane	ENSG00000193380	51.04403	0.982169	0.865568	1.134711
ENSG00000127258	LSM3	LSM3 homolog	ENSG00000127258	26.4348	1.235029	1.089196	1.13389
ENSG000001126282	TNFAIP8L1	TNF alpha induc	ENSG000001126282	8.149496	-2.52889	2.230565	-1.13374
ENSG000001125	ADH1B	alcohol dehydro	ENSG000001125	371.6137	-1.86597	1.64588	-1.13372
ENSG0000017075	TIE1	tyrosine kinase	ENSG0000017075	32.86478	-1.20847	1.066104	-1.13354
ENSG00000123395	LARS2	leucyl-tRNA	ENSG00000123395	30.0403	-1.2576	1.109457	-1.13353
ENSG00000123677	SH3BP4	SH3 domain	ENSG00000123677	24.91682	-1.42652	1.258628	-1.13339
ENSG0000015819	NECTIN2	nectin cell	ENSG0000015819	27.17057	-1.31391	1.159296	-1.13337
ENSG0000016181	RPLP2	ribosomal	ENSG0000016181	135.5293	0.767729	0.677466	1.133237
ENSG00000151720	UIMC1	ubiquitin inter	ENSG00000151720	49.06178	1.01442	0.89535	1.132988
ENSG00000151752	ERAP1	endoplasmic	ENSG00000151752	109.9599	0.772554	0.682186	1.132467
ENSG0000011645	AKR1C1	aldo-keto reduct	ENSG0000011645	23.62183	1.291383	1.140688	1.132108
ENSG00000157234	LINC00869	long intergenic	ENSG00000157234	8.398115	2.175145	1.921967	1.131729
ENSG0000019168	TMSB10	thymosin beta	ENSG0000019168	255.8075	0.66448	0.587201	1.131605
ENSG000001914	CD2	CD2 molec	ENSG000001914	4.935421	2.873741	2.541663	1.130654
ENSG000001211772			ENSG000001211772	4.935421	2.873741	2.541663	1.130654
ENSG000001124460	SNX20	sorting nexin	ENSG000001124460	4.935421	2.873741	2.541663	1.130654
ENSG00000151284	TLR7	toll like rec	ENSG00000151284	4.935421	2.873741	2.541663	1.130654
ENSG000001272070			ENSG000001272070	8.188469	-2.53299	2.240463	-1.13057
ENSG000001100996694	LINC02502	long intergenic	ENSG000001100996694	4.139879	2.848645	2.520261	1.130298
ENSG000001728975	LOC728975	uncharacterized	ENSG000001728975	4.139879	2.848645	2.520261	1.130298
ENSG000001114915	EPB41L4A-	EPB41L4A	ENSG000001114915	3.441898	-3.85504	3.411297	-1.13008
ENSG0000017297	TYK2	tyrosine kinase	ENSG0000017297	49.90152	0.970472	0.858876	1.129932
ENSG00000127430	MAT2B	methionine	ENSG00000127430	67.8328	0.877496	0.776596	1.129925
ENSG00000151264	MRPL27	mitochondrial	ENSG00000151264	29.34834	1.182745	1.047451	1.129165

ENSG000001013713			ENSG000001013713	3.357675	-3.81613	3.379649	-1.12915
ENSG000001019291	THSD4-AS1	THSD4 anti	ENSG000001019291	3.357675	-3.81613	3.379649	-1.12915
ENSG000001105369	PKD1P6-NF	PKD1P6-NF	ENSG000001105369	3.357675	-3.81613	3.379649	-1.12915
ENSG00000123117	NPIPB3	nuclear po	ENSG00000123117	3.357675	-3.81613	3.379649	-1.12915
ENSG00000155177	RMDN3	regulator c	ENSG00000155177	11.71943	-2.00236	1.773576	-1.12899
ENSG00000181566	CSRNP2	cysteine ar	ENSG00000181566	32.78056	-1.2035	1.066277	-1.12869
ENSG000001267002			ENSG000001267002	21.22997	-1.46771	1.30082	-1.1283
ENSG00000155573	CDV3	CDV3 hom	ENSG00000155573	222.3432	0.658822	0.583997	1.128125
ENSG0000011810	DR1	down-regu	ENSG0000011810	81.34851	0.832567	0.738069	1.128033
ENSG000001100190	39 TPT1-AS1	TPT1 antis	ENSG000001100190	18.15909	-1.58267	1.403552	-1.12762
ENSG00000110949	HNRNPA0	heterogen	ENSG00000110949	46.556	-1.04255	0.924644	-1.12752
ENSG00000157410	SCYL1	SCY1 like p	ENSG00000157410	41.39354	-1.10553	0.980524	-1.12748
ENSG000001100288	198 HMGN3-A	HMGN3 an	ENSG000001100288	3.33505	-3.80103	3.372005	-1.12723
ENSG0000015152	PDE9A	phosphodi	ENSG0000015152	3.33505	-3.80103	3.372005	-1.12723
ENSG0000010241489			ENSG0000010241489	3.33505	-3.80103	3.372005	-1.12723
ENSG0000016133	RPL9	ribosomal	ENSG0000016133	317.4922	0.650948	0.57758	1.127028
ENSG00000180777	CYB5B	cytochrom	ENSG00000180777	45.50858	0.998474	0.886444	1.126381
ENSG0000010269890			ENSG0000010269890	8.087898	-2.51777	2.235565	-1.12623
ENSG00000184570	COL25A1	collagen ty	ENSG00000184570	8.087898	-2.51777	2.235565	-1.12623
ENSG0000016654	SOS1	SOS Ras/R	ENSG0000016654	125.6662	-0.7647	0.679126	-1.12601
ENSG00000154148	MRPL39	mitochond	ENSG00000154148	32.28451	1.135752	1.008895	1.125739
ENSG00000154910	SEMA4C	semaphori	ENSG00000154910	27.26107	-1.32281	1.175109	-1.12569
ENSG0000019039	UBA3	ubiquitin li	ENSG0000019039	60.45844	0.905537	0.804503	1.125586
ENSG00000111228	RASSF8	Ras associ	ENSG00000111228	51.95229	-0.99851	0.887156	-1.12552
ENSG0000010211679			ENSG0000010211679	3.940959	-4.05101	3.600379	-1.12516
ENSG000001114804	RNF157	ring finger	ENSG000001114804	27.6181	-1.33904	1.1903	-1.12496
ENSG00000179026	AHNAK	AHNAK nu	ENSG00000179026	4499.055	-0.53885	0.479273	-1.12432
ENSG00000154461	FBXW5	F-box and	ENSG00000154461	41.53557	-1.11608	0.992691	-1.1243
ENSG0000018751	ADAM15	ADAM met	ENSG0000018751	57.29954	-0.96415	0.857649	-1.12418
ENSG000001220729	LOC220729	succinate c	ENSG000001220729	27.34529	-1.32863	1.18198	-1.12408
ENSG0000015685	PSMA4	proteasom	ENSG0000015685	54.41766	0.941034	0.837239	1.123973
ENSG00000155848	PLGRKT	plasminog	ENSG00000155848	19.49791	1.386351	1.234054	1.123412
ENSG0000015287	PIK3C2B	phosphatic	ENSG0000015287	49.19569	-1.01788	0.906107	-1.12336
ENSG000001130502	TTC32	tetratricop	ENSG000001130502	5.266036	2.503053	2.228498	1.123202
ENSG00000123061	TBC1D9B	TBC1 dom	ENSG00000123061	65.16707	-0.91662	0.816419	-1.12273
ENSG0000016398	SECTM1	secreted a	ENSG0000016398	7.333556	2.260795	2.01389	1.122601
ENSG000001716	C1S	compleme	ENSG000001716	308.742	-0.76672	0.683412	-1.1219
ENSG0000015203	PFDN4	prefoldin s	ENSG0000015203	14.04041	1.593513	1.420595	1.121722
ENSG000001170622	COMMD6	COMM dor	ENSG000001170622	22.24928	1.315048	1.172788	1.121301
ENSG0000016156	RPL30	ribosomal	ENSG0000016156	56.62093	0.958175	0.854536	1.121282
ENSG0000014752	NEK3	NIMA relat	ENSG0000014752	8.065273	-2.51068	2.240458	-1.12061
ENSG0000018125	ANP32A	acidic nucl	ENSG0000018125	88.70404	0.821794	0.73385	1.11984
ENSG00000165125	WNK1	WNK lysine	ENSG00000165125	1057.192	-0.61213	0.546716	-1.11966
ENSG0000017292	TNFSF4	TNF superf	ENSG0000017292	4.201477	2.775039	2.479125	1.119362
ENSG00000155911	APOBR	apolipopro	ENSG00000155911	4.201477	2.775039	2.479125	1.119362
ENSG00000191775	NXPE3	neurexoph	ENSG00000191775	94.83975	-0.83101	0.742416	-1.11934
ENSG0000016687	SPG7	SPG7, para	ENSG0000016687	84.10249	-0.85577	0.764647	-1.11918

ENSG0000018727	CTNNAL1	catenin alp	ENSG00000175.40202	0.851266	0.760696	1.119062
ENSG0000017056	THBD	thrombom	ENSG00000130.56578	-1.28325	1.147227	-1.11856
ENSG0000014628	MYH10	myosin he	ENSG000001110.2568	-0.79192	0.708209	-1.1182
ENSG000001654	BMP6	bone morp	ENSG0000016.453791	2.259277	2.020454	1.118202
ENSG000001338094	FAM151A	family with	ENSG0000018.026301	-2.50656	2.24193	-1.11804
ENSG0000010267136			ENSG0000018.026301	-2.50656	2.24193	-1.11804
ENSG0000013607	FOXP2	forkhead b	ENSG00000143.94901	-1.0697	0.957063	-1.11769
ENSG00000164065	PERP	PERP, TP53	ENSG00000169.65916	0.860173	0.769744	1.11748
ENSG0000011536	CYBB	cytochrom	ENSG00000175.34148	2.269362	2.031376	1.117155
ENSG00000157477	SHROOM4	shroom far	ENSG00000186.65795	-0.8463	0.757562	-1.11713
ENSG0000019037	SEMA5A	semaphori	ENSG000001133.8014	0.720308	0.644838	1.117037
ENSG00000111179	ZNF277	zinc finger	ENSG00000115.26714	1.568748	1.405415	1.116217
ENSG00000110817	FRS3	fibroblast g	ENSG0000015.204438	2.555933	2.289941	1.116157
ENSG0000014853	NOTCH2	notch 2	ENSG000001200.2664	0.677079	0.606684	1.116033
ENSG00000110157	AASS	aminoadip	ENSG00000191.06397	-0.94138	0.843513	-1.11603
ENSG000001210	ALAD	aminolevul	ENSG00000198.77299	-0.84861	0.760434	-1.11596
ENSG00000151030	TVP23B	trans-golgi	ENSG00000122.34985	1.305794	1.170349	1.11573
ENSG0000010250138			ENSG00000113.79663	4.074254	3.653045	1.115303
ENSG0000018724	SNX3	sorting nex	ENSG00000197.12177	0.77802	0.697669	1.11517
ENSG00000156995	TULP4	tubby like	ENSG000001117.0834	-0.76293	0.684483	-1.11461
ENSG00000151255	RNF181	ring finger	ENSG00000128.09899	1.184296	1.063088	1.114015
ENSG000001113451	AZIN2	antizyme ir	ENSG0000013.273452	-3.77572	3.389478	-1.11395
ENSG000001100129029	PKP4-AS1	PKP4 antis	ENSG0000013.273452	-3.77572	3.389478	-1.11395
ENSG000001100506258	LOC100506	uncharacte	ENSG0000013.273452	-3.77572	3.389478	-1.11395
ENSG0000010279128			ENSG0000013.273452	-3.77572	3.389478	-1.11395
ENSG000001374819	LRRC37A3	leucine ric	ENSG0000013.273452	-3.77572	3.389478	-1.11395
ENSG0000015032	P2RY11	purinergic	ENSG0000013.273452	-3.77572	3.389478	-1.11395
ENSG000001130507	UBR3	ubiquitin p	ENSG000001296.3281	-0.65287	0.586251	-1.11363
ENSG0000012040	STOM	stomatin	ENSG000001383.0111	-0.60286	0.541348	-1.11362
ENSG00000164773	PCED1A	PC-esteras	ENSG0000018.048926	-2.51356	2.257207	-1.11357
ENSG0000012110	ETFDH	electron tr	ENSG000001179.2367	0.709249	0.636964	1.113483
ENSG0000017091	TLE4	transducin	ENSG00000124.93906	1.267177	1.13811	1.113404
ENSG00000154802	TRIT1	tRNA isope	ENSG00000114.85818	-1.72893	1.554698	-1.11207
ENSG00000157554	LRRC7	leucine ric	ENSG0000018.350638	-2.55979	2.302877	-1.11156
ENSG000001471	ATIC	5-aminoim	ENSG00000121.02255	-1.45082	1.305297	-1.11149
ENSG00000179895	ATP8B4	ATPase ph	ENSG00000115.0044	1.610596	1.450393	1.110455
ENSG000001896	CCND3	cyclin D3	ENSG00000144.25923	0.994438	0.895622	1.110333
ENSG000001200958	MUC20	mucin 20, c	ENSG0000013.296077	-3.79097	3.417281	-1.10935
ENSG000001134353	LSM11	LSM11, U7	ENSG0000013.296077	-3.79097	3.417281	-1.10935
ENSG00000179969	ATAT1	alpha tubu	ENSG0000013.296077	-3.79097	3.417281	-1.10935
ENSG0000010228649			ENSG0000013.296077	-3.79097	3.417281	-1.10935
ENSG0000010279530			ENSG0000013.296077	-3.79097	3.417281	-1.10935
ENSG0000010279976			ENSG0000013.296077	-3.79097	3.417281	-1.10935
ENSG00000157216	VANGL2	VANGL pla	ENSG0000017.964703	-2.49526	2.249753	-1.10913
ENSG0000017555	CNBP	CCHC-type	ENSG000001360.4059	0.598489	0.539839	1.108644
ENSG0000012739	GLO1	glyoxalase	ENSG00000190.97414	0.794464	0.716614	1.108636
ENSG000001388753	COA6	cytochrom	ENSG00000110.1239	1.834165	1.654449	1.108626

ENSG00000109093	DNAJA3	DnaJ heat shock	ENSG00000109093	57.44915	-0.96608	0.871615	-1.10838
ENSG00000155741	EDEM2	ER degradation	ENSG00000155741	19.58213	1.369139	1.235397	1.108258
ENSG00000129799	YPEL1	yippee like	ENSG00000129799	7.942077	-2.48807	2.24572	-1.10792
ENSG00000123150	FRMD4B	FERM domain	ENSG00000123150	36.62213	1.080126	0.975007	1.107813
ENSG00000126155	NOC2L	NOC2 like	ENSG00000126155	23.89228	-1.3593	1.227195	-1.10765
ENSG0000012650	GCNT1	glucosaminidase	ENSG0000012650	15.49718	1.509092	1.362544	1.107554
ENSG00000110561	IFI44	interferon inducible	ENSG00000110561	23.72868	1.271773	1.148718	1.107124
ENSG0000015136	PDE1A	phosphodiesterase	ENSG0000015136	25.28602	1.231091	1.11202	1.107076
ENSG0000011291	COL6A1	collagen type VI	ENSG0000011291	157.5007	-0.7014	0.633594	-1.10702
ENSG000001112770	GLMP	glycosylate	ENSG000001112770	10.06231	1.855284	1.676705	1.106506
ENSG0000013028	HSD17B10	hydroxysteroid	ENSG0000013028	33.87076	1.100986	0.995171	1.106328
ENSG00000123248	RPRD2	regulation of protein	ENSG00000123248	77.80485	-0.85057	0.768839	-1.1063
ENSG0000016418	SET	SET nuclear	ENSG0000016418	193.6149	0.668472	0.604273	1.106243
ENSG00000181565	NDEL1	nucleodominant extrinsic	ENSG00000181565	42.80246	1.004242	0.907849	1.106177
ENSG0000017102	TSPAN7	tetraspanin	ENSG0000017102	14.81293	-1.72083	1.556198	-1.10579
ENSG0000016129	RPL7	ribosomal protein	ENSG0000016129	336.3548	0.653352	0.591016	1.105473
ENSG0000016169	RPL38	ribosomal protein	ENSG0000016169	158.6711	0.688408	0.622863	1.105232
ENSG00000185300	ATCAY	ATCAY, cationic	ENSG00000185300	3.374023	-3.81144	3.450281	-1.10468
ENSG00000179666	PLEKHF2	pleckstrin homology	ENSG00000179666	19.64373	1.359964	1.231216	1.10457
ENSG000001340061	TMEM173	transmembrane	ENSG000001340061	42.12488	1.046952	0.948308	1.10402
ENSG0000019873	FCHSD2	FCH and domain	ENSG0000019873	80.18338	0.824686	0.74725	1.103629
ENSG000001201283	AMZ2P1	archaealysin	ENSG000001201283	3.312425	-3.78599	3.431534	-1.10329
ENSG0000019771	RAPGEF5	Rap guanine nucleotide	ENSG0000019771	54.45871	-0.97653	0.885107	-1.10329
ENSG00000154897	CASZ1	castor zinc finger	ENSG00000154897	35.17385	-1.14305	1.036637	-1.10265
ENSG0000018321	FZD1	frizzled class	ENSG0000018321	26.90601	1.311303	1.189368	1.102521
ENSG00000110049587	SIGLEC14	sialic acid binding	ENSG00000110049587	7.064539	2.449559	2.221841	1.102491
ENSG0000015067	CNTN3	contactin 3	ENSG0000015067	7.987328	-2.50225	2.270103	-1.10226
ENSG0000018123	PWAR5	Prader Willi	ENSG0000018123	87.74409	-0.86831	0.787891	-1.10207
ENSG00000123361	ZNF629	zinc finger	ENSG00000123361	55.24065	-0.99772	0.905787	-1.10149
ENSG0000017409	VAV1	vav guanine nucleotide	ENSG0000017409	11.00367	1.872705	1.700196	1.101464
ENSG00000151184	GPN3	GPN-loop containing	ENSG00000151184	16.79178	1.462741	1.328023	1.101442
ENSG000001113251	LARP4	La ribonucleoprotein	ENSG000001113251	101.6601	-0.79396	0.720843	-1.10143
ENSG0000012330	FMO5	flavin containing	ENSG0000012330	11.45041	-1.96491	1.785004	-1.10079
ENSG0000018444	DYRK3	dual specific	ENSG0000018444	11.45041	-1.96491	1.785004	-1.10079
ENSG0000011075	CTSC	cathepsin C	ENSG0000011075	59.23237	1.083094	0.984055	1.100644
ENSG0000011839	HBEGF	heparin binding	ENSG0000011839	29.70158	1.144933	1.040312	1.100567
ENSG00000126292	MYCBP	MYC binding	ENSG00000126292	7.88048	-2.47664	2.250369	-1.10055
ENSG000001135138	PACRG	parkin core	ENSG000001135138	7.88048	-2.47664	2.250369	-1.10055
ENSG0000017465	WEE1	WEE1 G2 checkpoint	ENSG0000017465	45.92342	0.972137	0.883653	1.100135
ENSG0000015376	PMP22	peripheral myelin	ENSG0000015376	132.102	-0.77573	0.705177	-1.10006
ENSG0000012719	GPC3	glypican 3	ENSG0000012719	11.49566	-1.97517	1.795835	-1.09986
ENSG000001645513	LOC645515	septin 7 protein	ENSG000001645513	14.71236	-1.71193	1.557049	-1.09947
ENSG0000014711	NDUFB5	NADH:ubiquinone	ENSG0000014711	148.5087	0.715812	0.651258	1.099123
ENSG00000100210082			ENSG00000100210082	1974230	-0.6715	0.611008	-1.099
ENSG000001151	ADRA2B	adrenoceptor	ENSG000001151	7.919452	-2.48086	2.257496	-1.09894
ENSG00000184224	NBPF3	NBPF member	ENSG00000184224	3.211854	-3.74996	3.412484	-1.09889
ENSG00000100224093			ENSG00000100224093	3.211854	-3.74996	3.412484	-1.09889

ENSG00000169209	FAM86DP	family with	ENSG00000132185	-3.74996	3.412484	-1.09889
ENSG00000110192	SEMA6A-A	SEMA6A ar	ENSG00000132185	-3.74996	3.412484	-1.09889
ENSG0000012051	EPHB6	EPH recept	ENSG00000132185	-3.74996	3.412484	-1.09889
ENSG00000102533			ENSG00000132185	-3.74996	3.412484	-1.09889
ENSG00000102790			ENSG00000132185	-3.74996	3.412484	-1.09889
ENSG00000127346	TMEM97	transmembr	ENSG00000132185	-3.74996	3.412484	-1.09889
ENSG00000128475	MIR646HG	MIR646 ho	ENSG00000132185	-3.74996	3.412484	-1.09889
ENSG00000128405	KANSL1	KAT8 regul	ENSG00000183090	-0.83599	0.761398	-1.09797
ENSG00000112493	SLC43A2	solute carr	ENSG00000111519	1.705406	1.553425	1.097836
ENSG00000156104	PCDHGB1	protocadhe	ENSG00000114903	-1.73676	1.582193	-1.09769
ENSG00000150840	TAS2R14	taste 2 rec	ENSG00000132508	-3.76023	3.426808	-1.0973
ENSG00000154852	PAQR5	progesterin a	ENSG00000132508	-3.76023	3.426808	-1.0973
ENSG00000119268	SCAMP5	secretory c	ENSG00000132508	-3.76023	3.426808	-1.0973
ENSG0000011489	CTF1	cardiotropi	ENSG00000132508	-3.76023	3.426808	-1.0973
ENSG00000111018	TMED1	transmembr	ENSG00000132508	-3.76023	3.426808	-1.0973
ENSG00000163915	BLOC1S5	biogenesis	ENSG00000115558	1.496935	1.364453	1.097096
ENSG00000158490	RPRD1B	regulation	ENSG00000156435	0.906218	0.826177	1.096881
ENSG0000018470	SORBS2	sorbin and	ENSG00000111071	-0.55344	0.50462	-1.09674
ENSG00000111592	RNF166	ring finger	ENSG00000189751	1.908592	1.740282	1.096714
ENSG00000183641	FAM107B	family with	ENSG00000115519	1.498106	1.365996	1.096714
ENSG00000112150	HIST4H4	histone clu	ENSG00000176641	2.065052	1.883603	1.096331
ENSG00000154498	SMOX	spermine c	ENSG00000176641	2.065052	1.883603	1.096331
ENSG0000016166	RPL36AL	ribosomal	ENSG00000178788	0.824992	0.752552	1.096258
ENSG00000155095	SAMD4B	sterile alph	ENSG00000143209	-1.04094	0.949776	-1.09599
ENSG00000179786	KLHL36	kelch like f	ENSG00000193478	-0.8047	0.734308	-1.09586
ENSG0000015175	PECAM1	platelet an	ENSG00000130315	-0.61242	0.55899	-1.09558
ENSG0000018654	PDE5A	phosphodi	ENSG00000159264	0.900656	0.822199	1.095423
ENSG00000164131	XYLT1	xylosyltran	ENSG00000114063	1.580928	1.443387	1.095291
ENSG00000113081	PQLC3	PQ loop re	ENSG00000112852	1.621189	1.480986	1.094669
ENSG00000123043	TNIK	TRAF2 and	ENSG00000148875	0.955197	0.872667	1.094572
ENSG00000183860	TAF3	TATA-box b	ENSG00000120798	-1.43488	1.310983	-1.0945
ENSG0000016949	TCOF1	treacle rib	ENSG00000140492	-1.06898	0.976799	-1.09438
ENSG00000155805	LRP2BP	LRP2 bindi	ENSG00000178578	-2.46934	2.257543	-1.09382
ENSG00000102812			ENSG00000178578	-2.46934	2.257543	-1.09382
ENSG00000151246	SHISA5	shisa famil	ENSG00000156379	0.906092	0.828396	1.093791
ENSG0000016645	SNTB2	syntrophin	ENSG00000156638	-0.94341	0.863374	-1.0927
ENSG0000013775	KCNK1	potassium	ENSG00000122579	1.269265	1.161905	1.0924
ENSG00000110985	GCN1	GCN1, eIF2	ENSG00000111859	-0.74294	0.680355	-1.09198
ENSG00000164320	RNF25	ring finger	ENSG00000111580	1.688044	1.545973	1.091898
ENSG00000151109	RDH11	retinol deh	ENSG00000125392	1.213274	1.111935	1.091137
ENSG00000180772	CPTP	ceramide-1	ENSG00000120753	-1.42898	1.309905	-1.0909
ENSG00000191694	LONRF1	LON peptic	ENSG00000128267	1.162707	1.067648	1.089037
ENSG00000155900	ZNF302	zinc finger	ENSG00000147564	0.953759	0.875811	1.089002
ENSG0000019887	SMG7	SMG7, non	ENSG00000187650	-0.80584	0.740088	-1.08884
ENSG00000184283	TMEM79	transmembr	ENSG00000131892	-3.7341	3.430693	-1.08844
ENSG00000110050	DOCK4-AS	DOCK4 ant	ENSG00000131892	-3.7341	3.430693	-1.08844
ENSG00000158489	ABHD17C	abhydrolas	ENSG00000131892	-3.7341	3.430693	-1.08844



ENSG0000010226094			ENSG0000010226094	3.189229	-3.7341	3.430693	-1.08844
ENSG000001057670	KIAA1549	KIAA1549	ENSG000001057670	20.73718	-1.43012	1.314008	-1.08837
ENSG000001113189	CHST14	carbohydrate	ENSG000001113189	7.796256	-2.45774	2.258986	-1.08799
ENSG00000105341	PLEK	pleckstrin	ENSG00000105341	42.12306	2.625794	2.413838	1.087809
ENSG0000010233110			ENSG0000010233110	11.36619	-1.95149	1.794065	-1.08775
ENSG000001023255	MTCL1	microtubulin	ENSG000001023255	11.36619	-1.95149	1.794065	-1.08775
ENSG00000102828	GPR4	G protein-coupled	ENSG00000102828	11.36619	-1.95149	1.794065	-1.08775
ENSG000001055269	PSPC1	paraspeckle	ENSG000001055269	41.30671	1.015883	0.934063	1.087596
ENSG00000109370	ADIPOQ	adiponectin	ENSG00000109370	3.73354	-3.97309	3.653223	-1.08756
ENSG000001055600	ITLN1	intelectin 1	ENSG000001055600	21.15673	-6.46798	5.950124	-1.08703
ENSG00000107549	ZNF2	zinc finger	ENSG00000107549	10.3087	1.772946	1.63103	1.08701
ENSG000001027075	TSPAN13	tetraspanin	ENSG000001027075	20.69193	-1.42421	1.310258	-1.08697
ENSG000001051247	PAIP2	poly(A) binding	ENSG000001051247	28.34538	1.160137	1.067488	1.086791
ENSG000001030000	TNPO2	transportin	ENSG000001030000	51.25837	-0.97634	0.898667	-1.08643
ENSG000001010577	NPC2	NPC intracellular	ENSG000001010577	55.64059	0.940621	0.866282	1.085814
ENSG0000010224769			ENSG0000010224769	3.234479	-3.76524	3.46839	-1.08559
ENSG0000010286128	ZFP41	ZFP41 zinc finger	ENSG0000010286128	3.234479	-3.76524	3.46839	-1.08559
ENSG000001022822	PHLDA1	pleckstrin domain	ENSG000001022822	19.72795	1.343153	1.237823	1.085093
ENSG000001057804	POLD4	DNA polymerase	ENSG000001057804	7.787367	2.006336	1.849063	1.085056
ENSG00000108487	GEMIN2	geminin	ENSG00000108487	7.787367	2.006336	1.849063	1.085056
ENSG00000109762	LZTS3	leucine zipper	ENSG00000109762	23.63961	-1.33894	1.234	-1.08504
ENSG00000109785	DHX38	DEAH-box	ENSG00000109785	48.38864	-0.98829	0.911764	-1.08393
ENSG000001011160	ERLIN2	ER lipid raft	ENSG000001011160	51.85108	0.937842	0.865221	1.083933
ENSG000001065265	C8orf33	chromosome 8	ENSG000001065265	32.05773	-1.16508	1.075374	-1.08341
ENSG000001056548	CHST7	carbohydrate	ENSG000001056548	8.020023	-2.49699	2.304996	-1.08329
ENSG000001057666	FBRSL1	fibrosin like	ENSG000001057666	20.73091	-1.42604	1.316441	-1.08325
ENSG00000104616	GADD45B	growth arrest	ENSG00000104616	45.68735	-1.00907	0.93153	-1.08324
ENSG000001010061	ABCF2	ATP binding	ENSG000001010061	53.63911	-0.94686	0.874167	-1.08316
ENSG0000010342357	ZKSCAN2	zinc finger	ENSG0000010342357	11.30459	-1.94319	1.794212	-1.08303
ENSG0000010229344			ENSG0000010229344	7.958425	-2.48543	2.295047	-1.08295
ENSG0000010100507246	SNHG16	small nucleolar	ENSG0000010100507246	166.0896	0.663966	0.613262	1.082679
ENSG00000104131	MAP1B	microtubulin	ENSG00000104131	423.1013	-0.58286	0.538366	-1.08264
ENSG0000010440270	GOLGA8B	golgin A8 family	ENSG0000010440270	17.95795	-1.56755	1.448304	-1.08234
ENSG0000010232036			ENSG0000010232036	3.150256	-3.7237	3.442001	-1.08184
ENSG0000010250848			ENSG0000010250848	3.150256	-3.7237	3.442001	-1.08184
ENSG0000010232486			ENSG0000010232486	3.150256	-3.7237	3.442001	-1.08184
ENSG0000010100652846	CACNA1C	CACNA1C calcium	ENSG0000010100652846	3.150256	-3.7237	3.442001	-1.08184
ENSG00000104234	METTL1	methyltransferase	ENSG00000104234	3.150256	-3.7237	3.442001	-1.08184
ENSG0000010100134869	UBE2Q2P2	ubiquitin conjugating	ENSG0000010100134869	3.150256	-3.7237	3.442001	-1.08184
ENSG000001057526	PCDH19	protocadherin	ENSG000001057526	3.150256	-3.7237	3.442001	-1.08184
ENSG0000010126208	ZNF787	zinc finger	ENSG0000010126208	7.734659	-2.44607	2.261823	-1.08146
ENSG0000010215105			ENSG0000010215105	7.734659	-2.44607	2.261823	-1.08146
ENSG000001064091	POPDC2	popeye domain	ENSG000001064091	295.3511	0.600075	0.55493	1.081352
ENSG00000105318	PKP2	plakophilin	ENSG00000105318	564.1258	0.557135	0.515491	1.080785
ENSG0000010192668	CYS1	cystin 1	ENSG0000010192668	5.389232	2.40258	2.223255	1.080659
ENSG0000010283518	KCNRG	potassium	ENSG0000010283518	5.389232	2.40258	2.223255	1.080659
ENSG000001023250	ATP11A	ATPase phosphatase	ENSG000001023250	156.2562	-0.68635	0.635192	-1.08054

ENSG00000141477	HCG18	HLA compl	ENSG00000150937	82	-0.96298	0.891479	-1.08021
ENSG00000112817	HOGA1	4-hydroxy-	ENSG00000111266	41	1.81153	1.677626	1.079818
ENSG00000119032	BORCS7	BLOC-1 rel	ENSG00000114504	94	-1.68811	1.56337	-1.07979
ENSG0000014190	MDH1	malate de	ENSG00000167714	18	0.581771	0.538864	1.079626
ENSG000001170960	ZNF721	zinc finger	ENSG00000140223	18	-1.05716	0.979228	-1.07959
ENSG00000178988	MRPL57	mitochond	ENSG00000121307	92	1.282994	1.18925	1.078826
ENSG00000160592	SCOC	short coile	ENSG00000162890	71	0.856831	0.794396	1.078594
ENSG0000018851	CDK5R1	cyclin depe	ENSG00000142630	75	2.703222	2.50722	1.078175
ENSG000001279095			ENSG00000111242	99	-1.93485	1.795231	-1.07777
ENSG00000126134	RALGAPA1	Ral GTPase	ENSG00000131276	31	-3.70755	3.441683	-1.07725
ENSG0000010226469			ENSG00000131276	31	-3.70755	3.441683	-1.07725
ENSG0000010230490			ENSG00000131276	31	-3.70755	3.441683	-1.07725
ENSG00000164799	IQCH	IQ motif cc	ENSG00000131276	31	-3.70755	3.441683	-1.07725
ENSG00000155336	FBXL8	F-box and l	ENSG00000131276	31	-3.70755	3.441683	-1.07725
ENSG0000012788	GNG7	G protein s	ENSG00000140155	31	-1.05255	0.978397	-1.07579
ENSG0000013696	ITGB8	integrin su	ENSG00000125639	26	1.186445	1.10302	1.075634
ENSG00000164756	ATPAF1	ATP syntha	ENSG00000117691	79	0.679165	0.631457	1.075552
ENSG00000179608	RIC3	RIC3 acetyl	ENSG00000117536	84	-1.52334	1.417832	-1.07442
ENSG00000155040	EPN3	epsin 3	ENSG00000176730	61	-2.4343	2.26608	-1.07423
ENSG0000010231933			ENSG00000176730	61	-2.4343	2.26608	-1.07423
ENSG000001114043	TSPEAR-AS	TSPEAR an	ENSG00000176956	86	-2.44176	2.273188	-1.07416
ENSG000001152110	NEK10	NIMA relat	ENSG00000123555	39	-1.3321	1.240338	-1.07398
ENSG00000163877	FAM204A	family with	ENSG00000161148	57	0.871644	0.811789	1.073733
ENSG00000125843	MOB4	MOB famil	ENSG00000127096	03	1.160756	1.08108	1.0737
ENSG000001339318	ZNF181	zinc finger	ENSG00000120507	14	-1.40981	1.313656	-1.07319
ENSG0000013646	EIF3E	eukaryotic	ENSG00000114308	78	0.680864	0.634552	1.072984
ENSG000001212	ALAS2	5'-aminole	ENSG00000182686	42	2.296765	2.140974	1.072766
ENSG000001140691	TRIM69	tripartite n	ENSG00000179835	37	0.791577	0.738259	1.072222
ENSG00000130827	CXXC1	CXXC finge	ENSG00000114420	71	-1.67728	1.565648	-1.0713
ENSG00000123640	HSPBP1	HSPA (Hsp	ENSG00000177120	33	-2.43864	2.276457	-1.07124
ENSG0000012180	ACSL1	acyl-CoA s	ENSG00000159938	95	0.583191	0.544643	1.070776
ENSG00000164386	MMP25	matrix met	ENSG00000115303	35	4.028264	3.762992	1.070495
ENSG00000154103	GSAP	gamma-se	ENSG00000122787	31	1.239958	1.158339	1.070463
ENSG0000013419	IDH3A	isocitrate c	ENSG00000170657	28	0.820166	0.766365	1.070204
ENSG00000123435	TARDBP	TAR DNA b	ENSG00000137314	48	-1.07837	1.008104	-1.06971
ENSG000001284021	MILR1	mast cell ir	ENSG00000165996	12	2.141692	2.002615	1.069447
ENSG0000016588	SLN	sarcolipin	ENSG00000113227	08	1.839039	1.720694	1.068778
ENSG00000164422	ATG3	autophagy	ENSG00000131472	62	1.090872	1.021372	1.068046
ENSG0000012733	GLE1	GLE1, RNA	ENSG00000131472	62	1.090872	1.021372	1.068046
ENSG0000014881	NPR1	natriuretic	ENSG00000120552	39	-1.41574	1.325664	-1.06795
ENSG00000164771	C6orf106	chromosor	ENSG00000126140	96	-0.61583	0.576658	-1.06793
ENSG00000181706	PPP1R14C	protein ph	ENSG00000177267	35	0.835114	0.782152	1.067714
ENSG00000126090	ABHD12	abhydrolas	ENSG00000118579	17	1.344855	1.259585	1.067697
ENSG00000111275	KLHL2	kelch like f	ENSG00000128228	47	1.164227	1.090456	1.067652
ENSG00000155287	TMEM40	transmeml	ENSG00000131369	18	3.321107	3.1111	1.067502
ENSG0000013084	NRG1	neuregulin	ENSG00000131369	18	3.321107	3.1111	1.067502
ENSG0000014973	OLR1	oxidized lo	ENSG00000131369	18	3.321107	3.1111	1.067502

ENSG0000018649	LAMTOR3	late endosome	ENSG00000137422	37.42291	1.022271	0.957769	1.067346
ENSG00000180325	ABTB1	ankyrin repeat	ENSG00000128637	28.63703	1.127166	1.056365	1.067024
ENSG00000151347	TAOK3	TAO kinase	ENSG00000168795	74.79574	0.841988	0.789185	1.066907
ENSG0000017327	UBE2G2	ubiquitin conjugation	ENSG00000189623	82.302	-0.78591	0.736647	-1.06687
ENSG0000019131	AIFM1	apoptosis inducing factor	ENSG00000180526	28.52628	-0.84212	0.789695	-1.06639
ENSG0000017424	VEGFC	vascular endothelial growth factor C	ENSG00000176504	35.76504	-2.42678	2.275803	-1.06634
ENSG0000017324	UBE2E1	ubiquitin conjugation	ENSG00000152434	36.43436	0.904961	0.848734	1.066248
ENSG00000126287	ANKRD2	ankyrin repeat domain	ENSG00000177335	34.77335	-1.05836	0.992615	-1.06623
ENSG00000183716	CRISPLD2	cysteine rich	ENSG00000199744	31.74431	-0.75936	0.712213	-1.0662
ENSG000001916	CD3E	CD3 epsilon molecule	ENSG00000140782	281.40782	2.93053	2.750003	1.065646
ENSG0000011073	CFL2	cofilin 2	ENSG00000122704	406.22704	0.640628	0.601188	1.065602
ENSG000001100129434	LOC100129434	uncharacterized	ENSG00000177183	11.71831	-2.44897	2.298492	-1.06547
ENSG0000019860	LRIG2	leucine rich repeat	ENSG00000142992	34.99234	-1.03445	0.971375	-1.06493
ENSG0000014781	NFIB	nuclear factor	ENSG00000139865	52.39865	-0.57713	0.541945	-1.06492
ENSG000001116986	AGAP2	ArfGAP with	ENSG00000114398	909.14398	-1.67308	1.572143	-1.0642
ENSG00000100224114			ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG00000155698	RADIL	Rap association	ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG000001442319	ZNF727	zinc finger	ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG000001101930421	LOC101930421	uncharacterized	ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG00000100226899			ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG0000019986	RCE1	Ras conversion	ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG00000100188599			ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG00000179755	ZNF750	zinc finger	ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG000001162681	C18orf54	chromosome	ENSG00000130660	33.30660	-3.68054	3.45877	-1.06412
ENSG0000012138	EYA1	EYA transcription	ENSG00000111158	77.11587	-1.92115	1.80559	-1.064
ENSG0000016659	SOX4	SOX box 4	ENSG00000176340	88.76340	-2.42992	2.284173	-1.06381
ENSG00000155174	INTS10	integrator	ENSG00000146523	305.46523	0.935955	0.880396	1.063107
ENSG00000154915	YTHDF1	YTH N6-methyl	ENSG00000137275	51.37275	-1.07724	1.013586	-1.0628
ENSG0000012931	GSK3A	glycogen synthase	ENSG00000117413	364.17413	-1.51216	1.42285	-1.06277
ENSG000001271	AMPD2	adenosine	ENSG00000111664	49.11664	1.654561	1.557426	1.062369
ENSG00000100272078			ENSG00000130886	58.30886	-3.69689	3.480505	-1.06217
ENSG000001101928673	LOC101928673	uncharacterized	ENSG00000130886	58.30886	-3.69689	3.480505	-1.06217
ENSG00000100280002			ENSG00000130886	58.30886	-3.69689	3.480505	-1.06217
ENSG0000011565	CYP2D6	cytochrome	ENSG00000130886	58.30886	-3.69689	3.480505	-1.06217
ENSG00000151762	RAB8B	RAB8B, member	ENSG00000153981	163.53981	0.891448	0.839347	1.062072
ENSG00000183861	RSPH3	radial spoke	ENSG00000127241	185.27241	1.143398	1.076836	1.061812
ENSG000001694	BTG1	BTG anti-prolifer	ENSG00000193133	36.93133	0.769062	0.724369	1.0617
ENSG000001166785	MMAA	metabolism	ENSG00000111726	265.11726	1.637668	1.5436	1.06094
ENSG0000018338	HIST2H2AC	histone cluster	ENSG00000130178	202.30178	1.097067	1.034171	1.060818
ENSG00000154674	LRRN3	leucine rich	ENSG00000113060	7.13060	1.562477	1.473018	1.060731
ENSG00000122883	CLSTN1	calypten	ENSG00000110736	54.10736	-0.74293	0.700403	-1.06071
ENSG00000193010	B3GNT7	UDP-GlcNAc	ENSG00000175888	838.75888	-2.41483	2.276646	-1.0607
ENSG000001945	CD33	CD33 molecule	ENSG00000166612	121.66612	2.106427	1.986148	1.060559
ENSG0000011855	DVL1	dishevelled	ENSG00000132252	259.32252	-1.1716	1.105331	-1.05995
ENSG0000015230	PGK1	phosphoglycer	ENSG00000137834	9.37834	0.569214	0.53707	1.05985
ENSG000001161247	FITM1	fat storage	ENSG00000115850	42.15850	1.428439	1.348167	1.059542
ENSG00000156120	PCDHGB8F	protocadherin	ENSG00000111097	17.11097	-1.91267	1.805329	-1.05946

ENSG00000180139	ZNF703	zinc finger	ENSG000001109717	-1.91267	1.805329	-1.05946
ENSG0000018366	HIST1H4B	histone clu	ENSG000001045452	1.714029	1.618152	1.059251
ENSG000001257218	SHPRH	SNF2 histo	ENSG0000017162413	-0.84664	0.799507	-1.05895
ENSG0000011675	CFD	compleme	ENSG0000013978572	-1.03691	0.979875	-1.05821
ENSG0000019670	IPO13	importin 1	ENSG0000016696453	-0.87958	0.831238	-1.05815
ENSG00000123509	POFUT1	protein O-f	ENSG0000018275112	-0.8254	0.780054	-1.05813
ENSG00000165991	FUNDC2	FUN14 dor	ENSG0000011716139	0.647791	0.612242	1.058065
ENSG00000155627	SMPD4	sphingomy	ENSG0000012898686	-1.19637	1.13084	-1.05795
ENSG000001132884	EVC2	EvC ciliary	ENSG0000017549865	-2.41047	2.279086	-1.05765
ENSG00000183988	NCALD	neurocalci	ENSG0000012080885	-1.42999	1.352436	-1.05735
ENSG00000181887	LAS1L	LAS1 like, r	ENSG0000012320842	-1.30904	1.238121	-1.05728
ENSG00000164747	MFSD1	major facili	ENSG0000016437638	0.849394	0.803529	1.05708
ENSG0000019522	SCAMP1	secretory c	ENSG0000016300763	0.854251	0.808291	1.056861
ENSG0000015613	PRKX	protein kin	ENSG0000012151534	1.251761	1.184677	1.056626
ENSG000001121053	C12orf45	chromosom	ENSG0000014033382	-1.05845	1.001968	-1.05637
ENSG0000017263	TST	thiosulfate	ENSG0000012005857	1.291132	1.222625	1.056033
ENSG00000191526	ANKRD44	ankyrin re	ENSG000001918254	1.813684	1.717528	1.055985
ENSG00000192241	RCSD1	RCSD domi	ENSG0000016277758	0.864997	0.819285	1.055795
ENSG000001651746	ANKRD33B	ankyrin re	ENSG0000011975058	1.335874	1.265445	1.055656
ENSG00000125914	RTTN	rotatin	ENSG0000011736839	-1.50511	1.425828	-1.05561
ENSG000001253868	MIR1-1HG	MIR1-1HG	ENSG0000011449866	-1.68241	1.59395	-1.0555
ENSG00000151768	TM7SF3	transmem	ENSG0000013023962	1.091569	1.034334	1.055335
ENSG0000016773	STAT2	signal tran	ENSG0000019081341	0.755223	0.716115	1.05461
ENSG00000154894	RNF43	ring finger	ENSG000001752724	-2.4028	2.278968	-1.05434
ENSG00000184034	EMILIN2	elastin mic	ENSG0000014344211	1.042443	0.98931	1.053707
ENSG00000123041	MON2	MON2 hon	ENSG0000017715618	-0.83676	0.79427	-1.05349
ENSG0000013281	HSBP1	heat shock	ENSG0000016315345	0.847642	0.804645	1.053436
ENSG00000123331	TTC28	tetratricop	ENSG0000016336818	-0.8659	0.822302	-1.05302
ENSG000001254042	METAP1D	methionyl	ENSG0000011144414	-1.95828	1.85989	-1.0529
ENSG000001125988	C19orf70	chromosom	ENSG0000012012016	1.282407	1.21893	1.052076
ENSG0000019358	ITGBL1	integrin su	ENSG0000017656713	-2.43708	2.316678	-1.05197
ENSG00000181611	ANP32E	acidic nucl	ENSG0000014639358	0.946596	0.899861	1.051936
ENSG00000151816	ADA2	adenosine	ENSG0000015436613	0.947456	0.900901	1.051676
ENSG0000015364	PLXNB1	plexin B1	ENSG0000015557231	-0.90705	0.862565	-1.05158
ENSG00000179796	ALG9	ALG9, alph	ENSG0000011119774	-1.92445	1.830237	-1.05147
ENSG000001374354	NHLRC2	NHL repea	ENSG0000012504649	-0.61301	0.583114	-1.05126
ENSG0000015836	PYGL	glycogen p	ENSG0000013549075	1.169844	1.112965	1.051106
ENSG00000164864	RFX7	regulatory	ENSG0000012884104	-1.18721	1.129626	-1.05098
ENSG0000019557	CHD1L	chromodor	ENSG000001142133	-1.65287	1.57297	-1.05079
ENSG00000127286	SRPX2	sushi repe	ENSG0000012656087	-1.27924	1.217874	-1.05038
ENSG00000151522	TMEM14C	transmem	ENSG000001466915	0.924282	0.879971	1.050355
ENSG00000183931	STK40	serine/thre	ENSG0000017260684	0.800578	0.76221	1.050338
ENSG00000164788	LMF1	lipase mat	ENSG0000011051612	1.694873	1.614196	1.04998
ENSG000001107	ADCY1	adenylate	ENSG0000013149707	-1.13343	1.079672	-1.04979
ENSG0000011072	CFL1	cofilin 1	ENSG0000011362978	0.697547	0.664654	1.049489
ENSG00000154901	CDKAL1	CDK5 regul	ENSG0000012874387	1.112247	1.060127	1.049164
ENSG0000019467	SH3BP5	SH3 domai	ENSG0000013004435	-3.65301	3.481991	-1.04912

ENSG0000010241002			ENSG0000010241002	3.004435	-3.65301	3.481991	-1.04912
ENSG000001026229	B3GAT3	beta-1,3-gl	ENSG000001026229	3.004435	-3.65301	3.481991	-1.04912
ENSG0000010050602	ARAP1-AS2	ARAP1 anti	ENSG0000010050602	3.004435	-3.65301	3.481991	-1.04912
ENSG000001057228	SMAGP	small cell a	ENSG000001057228	3.004435	-3.65301	3.481991	-1.04912
ENSG0000010232098			ENSG0000010232098	3.004435	-3.65301	3.481991	-1.04912
ENSG00000102723508	KANTR	KDM5C adj	ENSG00000102723508	3.004435	-3.65301	3.481991	-1.04912
ENSG0000010228492			ENSG0000010228492	3.004435	-3.65301	3.481991	-1.04912
ENSG000001023277	CLUH	clustered n	ENSG000001023277	97.5685	-0.77115	0.735112	-1.04902
ENSG0000010115701	ALPK2	alpha kinas	ENSG0000010115701	498.8198	0.54624	0.520742	1.048964
ENSG000001051382	ATP6V1D	ATPase H+	ENSG000001051382	72.12412	0.82029	0.782068	1.048873
ENSG00000106597	SMARCA4	SWI/SNF re	ENSG00000106597	52.98416	-0.9261	0.883121	-1.04866
ENSG000001055227	LRRC1	leucine ric	ENSG000001055227	7.488267	-2.3984	2.288037	-1.04823
ENSG0000010613	BCR	BCR, RhoG	ENSG0000010613	42.35753	-1.00437	0.958324	-1.04805
ENSG000001011057	ABHD2	abhydrolas	ENSG000001011057	248.5885	0.601249	0.573703	1.048015
ENSG000001080778	ZNF34	zinc finger	ENSG000001080778	7.465642	-2.39067	2.282784	-1.04726
ENSG00000100506686	IQCH-AS1	IQCH antis	ENSG00000100506686	7.465642	-2.39067	2.282784	-1.04726
ENSG000001027037	TRMT2A	tRNA meth	ENSG000001027037	7.465642	-2.39067	2.282784	-1.04726
ENSG00000107701	ZNF142	zinc finger	ENSG00000107701	31.62655	-1.14253	1.091708	-1.04655
ENSG000001094239	H2AFV	H2A histon	ENSG000001094239	214.5275	-0.62098	0.593364	-1.04653
ENSG0000010246465			ENSG0000010246465	3.105006	-3.69168	3.528506	-1.04624
ENSG0000010279432			ENSG0000010279432	3.105006	-3.69168	3.528506	-1.04624
ENSG000001051646	YPEL5	yippee like	ENSG000001051646	64.6454	0.838095	0.801127	1.046145
ENSG000001055727	BTBD7	BTB domai	ENSG000001055727	58.00458	-0.88668	0.84846	-1.04504
ENSG000001011103	KRR1	KRR1, smal	ENSG000001011103	40.79654	0.963914	0.922569	1.044815
ENSG0000010279529			ENSG0000010279529	3.282739	2.916283	2.79153	1.04469
ENSG000001010927	SPIN1	spindlin 1	ENSG000001010927	82.02125	0.765072	0.732516	1.044444
ENSG0000010204962	SLC44A5	solute carr	ENSG0000010204962	5.14284	2.61514	2.505869	1.043606
ENSG0000010145864	HAPLN3	hyaluronar	ENSG0000010145864	5.14284	2.61514	2.505869	1.043606
ENSG0000010309	ANXA6	annexin A6	ENSG0000010309	255.0604	0.596832	0.571919	1.043559
ENSG0000010112597	CYTOR	cytoskelet	ENSG0000010112597	7.87159	1.947675	1.866829	1.043306
ENSG00000105447	POR	cytochrom	ENSG00000105447	39.59465	-1.02695	0.984479	-1.04314
ENSG000001023223	RRP12	ribosomal	ENSG000001023223	30.22889	-1.26266	1.210513	-1.04308
ENSG000001011120	BTN2A1	butyrophili	ENSG000001011120	39.31714	0.976452	0.936238	1.042953
ENSG000001011162	NUDT6	nudix hydr	ENSG000001011162	3.043408	-3.66406	3.513189	-1.04295
ENSG000001055806	HR	HR, lysine	ENSG000001055806	3.043408	-3.66406	3.513189	-1.04295
ENSG0000010280202			ENSG0000010280202	3.043408	-3.66406	3.513189	-1.04295
ENSG000001029944	PNMA3	PNMA fam	ENSG000001029944	3.043408	-3.66406	3.513189	-1.04295
ENSG000001010362	HMG20B	high mobil	ENSG000001010362	17.32982	1.358615	1.30273	1.042898
ENSG000001064708	COPS7B	COP9 signa	ENSG000001064708	17.1836	-1.48809	1.426896	-1.04289
ENSG00000101856	DVL2	dishevellec	ENSG00000101856	17.1836	-1.48809	1.426896	-1.04289
ENSG00000105825	ABCD3	ATP bindin	ENSG00000105825	84.3842	0.78272	0.750739	1.042599
ENSG00000109266	CYTH2	cytohesin 2	ENSG00000109266	17.22885	-1.49521	1.434394	-1.0424
ENSG000001081493	SYNC	syncoilin, ii	ENSG000001081493	20.07491	1.296943	1.244264	1.042338
ENSG000001010289	EIF1B	eukaryotic	ENSG000001010289	94.80562	-0.7732	0.741915	-1.04216
ENSG00000105884	RAD17	RAD17 che	ENSG00000105884	34.67153	1.038161	0.996654	1.041647
ENSG00000107913	DEK	DEK proto-	ENSG00000107913	105.5458	0.740347	0.711044	1.041212
ENSG00000100862662	ALDH1L1-A	ALDH1L1 a	ENSG00000100862662	7.510892	-2.40587	2.312115	-1.04055

ENSG00000154826	GIN1	gypsy retrc	ENSG00000124.28934	1.196883	1.150364	1.040439
ENSG00000123399	CTDNBP1	CTD nuclea	ENSG00000117.22257	-1.49023	1.4331	-1.03987
ENSG000001390	RND3	Rho family	ENSG00000150.57531	0.927424	0.891928	1.039797
ENSG0000018848	TSC22D1	TSC22 dom	ENSG000001244.1623	0.648212	0.623535	1.039576
ENSG00000156114	PCDHGA1	protocadhe	ENSG0000017.404044	-2.37845	2.288135	-1.03947
ENSG000001100289097	FRG1CP	FSHD regio	ENSG0000017.404044	-2.37845	2.288135	-1.03947
ENSG00000155534	MAML3	mastermin	ENSG00000117.39141	1.348311	1.297193	1.039406
ENSG00000155831	EMC3	ER membr	ENSG00000178.38867	0.795441	0.765497	1.039117
ENSG0000017314	UBB	ubiquitin B	ENSG00000186.66686	0.752024	0.723929	1.03881
ENSG000001444	ASPH	aspartate k	ENSG000001121.7565	0.698696	0.672633	1.038747
ENSG000001233894			ENSG0000013.02706	-3.66945	3.532773	-1.03869
ENSG000001127002	ATXN7L2	ataxin 7 lik	ENSG0000013.02706	-3.66945	3.532773	-1.03869
ENSG000001100130357	LOC100130357	uncharacte	ENSG0000013.02706	-3.66945	3.532773	-1.03869
ENSG000001105378085	LOC105378085	uncharacte	ENSG0000013.02706	-3.66945	3.532773	-1.03869
ENSG000001157869	SBSPON	somatome	ENSG0000013.02706	-3.66945	3.532773	-1.03869
ENSG00000154082	TSPEAR-AS	TSPEAR an	ENSG0000013.02706	-3.66945	3.532773	-1.03869
ENSG00000123287	AGTPBP1	ATP/GTP b	ENSG000001121.0398	0.749921	0.722048	1.038603
ENSG000001232611			ENSG0000017.443017	-2.38292	2.295376	-1.03814
ENSG0000013460	IFNGR2	interferon	ENSG00000130.19437	1.099865	1.059661	1.037941
ENSG0000012121	EVC	EvC ciliary	ENSG00000125.78651	-1.22465	1.181304	-1.03669
ENSG0000014040	LRP6	LDL recept	ENSG00000173.2368	-0.81089	0.782295	-1.03656
ENSG00000129978	UBQLN2	ubiquilin 2	ENSG00000147.32892	-0.9475	0.914328	-1.03628
ENSG00000151147	ING4	inhibitor of	ENSG00000121.70013	1.227737	1.185023	1.036045
ENSG0000019754	STARD8	StAR relate	ENSG00000139.50036	-1.0253	0.989806	-1.03586
ENSG0000011429	CRYZ	crystallin z	ENSG00000134.90157	1.017123	0.982061	1.035703
ENSG000001287	ANK2	ankyrin 2	ENSG000001532.6574	-0.59334	0.572902	-1.03568
ENSG0000014241	MELTF	melanotrai	ENSG0000012.98181	-3.63606	3.512327	-1.03523
ENSG000001234841			ENSG0000012.98181	-3.63606	3.512327	-1.03523
ENSG000001248794			ENSG0000012.98181	-3.63606	3.512327	-1.03523
ENSG000001441272	SPDYE3	speedy/RIN	ENSG0000012.98181	-3.63606	3.512327	-1.03523
ENSG000001116441	TM4SF18	transmembr	ENSG00000125.74126	-1.21981	1.178625	-1.03494
ENSG0000012911	GRM1	glutamate	ENSG00000115.30611	1.565087	1.513033	1.034404
ENSG0000018854	ALDH1A2	aldehyde d	ENSG00000117.45301	1.338087	1.293608	1.034383
ENSG0000012331	FMOD	fibromodu	ENSG00000132.19348	-1.17597	1.136991	-1.03428
ENSG0000014649	MYO9A	myosin IXA	ENSG000001138.995	-0.67524	0.653038	-1.03399
ENSG00000154557	SGTB	small gluta	ENSG00000118.82556	1.306791	1.26387	1.03396
ENSG0000018408	ULK1	unc-51 like	ENSG00000131.3349	-1.1256	1.088686	-1.0339
ENSG0000014478	MSN	moesin	ENSG000001366.2199	0.557919	0.539718	1.033725
ENSG0000014297	KMT2A	lysine metl	ENSG000001218.546	-0.60995	0.590091	-1.03366
ENSG000001257194	NEGR1	neuronal g	ENSG00000160.46575	-0.87035	0.842047	-1.03361
ENSG000001340485	ACER2	alkaline ce	ENSG00000114.13535	-1.64776	1.594319	-1.03352
ENSG00000126999	CYFIP2	cytoplasmic	ENSG00000153.38579	0.928945	0.898889	1.033437
ENSG0000012697	GJA1	gap junctio	ENSG000001229.1225	0.599906	0.580716	1.033045
ENSG000001277737			ENSG00000128.65624	-1.17655	1.139047	-1.03292
ENSG00000155726	INTS13	integrator	ENSG00000131.50532	1.096037	1.061299	1.032731
ENSG0000012774	GNAL	G protein s	ENSG0000017.381419	-2.3706	2.295529	-1.0327
ENSG000001267702			ENSG0000017.381419	-2.3706	2.295529	-1.0327

ENSG0000019315	NREP	neuronal re	ENSG0000014.53947	1.464564	1.418417	1.032535
ENSG000001285126	DNAJC5G	DnaJ heat s	ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG000001100996732	LOC100996	uncharacte	ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG0000015024	P2RX3	purinergic	ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG0000010275850			ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG0000010256056			ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG00000156899	ANKS1B	ankyrin re	ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG000001126133	ALDH16A1	aldehyde d	ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG0000012139	EYA2	EYA transci	ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG0000010204113			ENSG0000012.942837	-3.62493	3.51217	-1.0321
ENSG0000018813	DPM1	dolichyl-ph	ENSG00000129.05186	1.083525	1.049826	1.0321
ENSG00000110746	MAP3K2	mitogen-ac	ENSG000001103.5562	0.719088	0.696739	1.032076
ENSG0000016726	SRP9	signal reco	ENSG00000186.75108	0.74917	0.725972	1.031955
ENSG000001116835	HSPA12B	heat shock	ENSG00000117.38474	-1.50393	1.457533	-1.03183
ENSG000001285343	TCAIM	T cell activ	ENSG00000151.11713	0.905509	0.877737	1.03164
ENSG000001157313	CDCA2	cell divisio	ENSG00000120.62026	-1.42402	1.380527	-1.0315
ENSG0000012218	FKTN	fukutin	ENSG00000122.85518	-1.28187	1.243294	-1.03102
ENSG000001152007	GLIPR2	GLI pathog	ENSG00000113.30646	1.504913	1.460014	1.030753
ENSG0000018728	ADAM19	ADAM met	ENSG00000122.95576	1.212813	1.176872	1.030539
ENSG00000154463	RETREG1	reticuloph	ENSG000001249.5952	0.606851	0.588902	1.030479
ENSG0000016335	SCN9A	sodium vol	ENSG0000018.812953	1.959365	1.901435	1.030466
ENSG00000154	ACP5	acid phosp	ENSG0000018.812953	1.959365	1.901435	1.030466
ENSG0000019066	SYT7	synaptotag	ENSG00000117.69273	-1.53239	1.487188	-1.03039
ENSG00000181606	LBH	limb bud a	ENSG000001151.9594	0.653306	0.634105	1.03028
ENSG000001140803	TRPM6	transient r	ENSG0000014.408896	2.482551	2.410035	1.030089
ENSG0000018038	ADAM12	ADAM met	ENSG0000014.408896	2.482551	2.410035	1.030089
ENSG000001317781	DDX51	DEAD-box	ENSG00000114.00588	-1.62804	1.580611	-1.03
ENSG00000179829	NAA40	N(alpha)-a	ENSG00000125.71864	-1.21739	1.182456	-1.02954
ENSG00000185437	ZCRB1	zinc finger	ENSG00000135.00842	1.005542	0.977368	1.028826
ENSG0000016124	RPL4	ribosomal	ENSG000001568.3428	0.551437	0.53614	1.028532
ENSG00000184247	RTL6	retrotrans	ENSG00000155.13485	-0.89214	0.867423	-1.02849
ENSG000001151556	GPR155	G protein-c	ENSG00000150.14308	0.881635	0.857584	1.028044
ENSG00000129094	LGALS1	galectin lik	ENSG00000123.24112	1.181726	1.149803	1.027764
ENSG00000165110	UPF3A	UPF3A, reg	ENSG00000125.64069	-1.21435	1.181584	-1.02773
ENSG00000156061	UBFD1	ubiquitin f	ENSG00000160.36898	-0.86505	0.842009	-1.02737
ENSG0000018406	SRPX	sushi repe	ENSG00000171.16169	-0.91481	0.890567	-1.02722
ENSG00000157000	GSN-AS1	GSN antise	ENSG0000017.365071	-2.37388	2.311691	-1.0269
ENSG000001137492	VPS37A	VPS37A, ES	ENSG00000165.23248	0.817914	0.796529	1.026847
ENSG00000155240	STEAP3	STEAP3 me	ENSG00000116.9988	-1.47088	1.432597	-1.02672
ENSG000001154743	BMT2	base meth	ENSG00000129.11346	1.077844	1.049903	1.026613
ENSG000001201134	CEP112	centrosom	ENSG00000128.51042	-1.16727	1.137264	-1.02638
ENSG000001221443	OARD1	O-acyl-ADF	ENSG00000118.74761	1.30981	1.276415	1.026163
ENSG0000017840	ALMS1	ALMS1, cer	ENSG00000168.15856	-0.83103	0.810049	-1.0259
ENSG0000014303	FOXO4	forkhead b	ENSG00000136.52378	-1.039	1.012949	-1.02572
ENSG00000151155	JPT1	Jupiter mic	ENSG00000111.87232	1.589267	1.549532	1.025643
ENSG0000010235090			ENSG0000012.920212	-3.6076	3.521141	-1.02456
ENSG0000010280828			ENSG0000012.920212	-3.6076	3.521141	-1.02456

ENSG000001023	CH25H	cholesterol	ENSG0000012920212	-3.6076	3.521141	-1.02456
ENSG000001399671	HEATR4	HEAT repeat	ENSG0000012920212	-3.6076	3.521141	-1.02456
ENSG0000010239415			ENSG0000012920212	-3.6076	3.521141	-1.02456
ENSG00000123017	FAIM2	Fas apopto	ENSG0000011092873	-1.88483	1.840251	-1.02423
ENSG00000179762	C1orf115	chromosom	ENSG0000013656275	-1.04014	1.015574	-1.02419
ENSG000001729830	FAM160A1	family with	ENSG000001364848	-1.03787	1.013818	-1.02372
ENSG0000019929	JOSD1	Josephin d	ENSG000001418811	-0.98395	0.961448	-1.02341
ENSG0000011294	COL7A1	collagen ty	ENSG0000011398953	-1.62981	1.592955	-1.02314
ENSG00000179772	MCTP1	multiple C	ENSG0000013030749	1.079107	1.054786	1.023058
ENSG00000110102	TSFM	Ts translati	ENSG0000012184595	1.205471	1.178304	1.023056
ENSG0000012242	FES	FES proto-c	ENSG0000012184595	1.205471	1.178304	1.023056
ENSG000001104	ADARB1	adenosine	ENSG0000013129593	-1.12424	1.09962	-1.02239
ENSG000001728294	D2HGDH	D-2-hydrox	ENSG0000017280848	-2.35368	2.303779	-1.02166
ENSG0000017004	TEAD4	TEA domai	ENSG0000017280848	-2.35368	2.303779	-1.02166
ENSG0000019697	TRAM2	translocati	ENSG0000013376089	-1.0688	1.046376	-1.02143
ENSG0000019641	IKBKE	inhibitor of	ENSG0000015596651	2.207701	2.161599	1.021328
ENSG0000013781	KCNN2	potassium	ENSG0000015596651	2.207701	2.161599	1.021328
ENSG0000013360	HTR4	5-hydroxyt	ENSG0000015596651	2.207701	2.161599	1.021328
ENSG0000015824	PEX19	peroxisom	ENSG0000015626808	0.845193	0.8277	1.021134
ENSG000001894	CCND2	cyclin D2	ENSG0000016978973	-0.56691	0.555601	-1.02036
ENSG000001266727	MDGA1	MAM dom	ENSG0000012167122	-1.49721	1.467421	-1.0203
ENSG0000014059	BCAM	basal cell a	ENSG0000014982906	-0.9251	0.906977	-1.01998
ENSG000001166929	SGMS2	sphingomy	ENSG0000013365222	1.012449	0.992622	1.019974
ENSG000001100033427	SNORD116	small nucle	ENSG000001797216	1.921059	1.884216	1.019554
ENSG0000018518	ELP1	elongator c	ENSG0000015231037	-0.90055	0.883322	-1.01951
ENSG00000123353	SUN1	Sad1 and L	ENSG0000011559694	-0.64969	0.6376	-1.01896
ENSG0000015966	REL	REL proto-c	ENSG0000012449676	1.17047	1.148882	1.01879
ENSG0000016363	CCL19	C-C motif c	ENSG0000011597125	-6.0625	5.950763	-1.01878
ENSG0000012166	FAAH	fatty acid a	ENSG0000016784406	2.037532	2.00007	1.01873
ENSG0000017265	TTC1	tetratricop	ENSG0000016689667	0.806827	0.792153	1.018524
ENSG0000013516	RBPJ	recombina	ENSG0000011181254	0.6832	0.670792	1.018497
ENSG0000016452	SH3BP2	SH3 domai	ENSG0000015296233	0.872674	0.857138	1.018126
ENSG00000129896	TRA2A	transforme	ENSG0000012825775	-1.14992	1.129537	-1.01804
ENSG00000181847	RNF146	ring finger	ENSG0000015797124	0.830838	0.816162	1.017982
ENSG00000184626	KRBA1	KRAB-A do	ENSG000001356465	-1.17046	1.149833	-1.01794
ENSG000001283174	MIR4697H	MIR4697 h	ENSG0000014572253	-1.01327	0.995461	-1.01789
ENSG00000125874	MPC2	mitochond	ENSG0000017901093	0.774016	0.760424	1.017873
ENSG0000017088	TLE1	transducin	ENSG0000011392165	-1.61674	1.588567	-1.01774
ENSG000001100128398	LOC100128	uncharacte	ENSG0000017358794	-2.36288	2.322718	-1.01729
ENSG0000018773	SNAP23	synaptosor	ENSG0000014700577	0.903686	0.88895	1.016577
ENSG00000126118	WSB1	WD repeat	ENSG0000011315222	-0.68697	0.675818	-1.0165
ENSG0000014201	MEA1	male-enha	ENSG0000011753723	1.319265	1.298139	1.016274
ENSG00000184056	KATNAL1	katanin cat	ENSG0000017601316	0.780227	0.768381	1.015417
ENSG00000157633	LRRN1	leucine ric	ENSG0000013344337	2.821378	2.77895	1.015268
ENSG0000010261353			ENSG0000013344337	2.821378	2.77895	1.015268
ENSG0000010261270			ENSG0000013344337	2.821378	2.77895	1.015268
ENSG000001168507	PKD1L1	polycystin	ENSG0000011083443	-1.88039	1.852111	-1.01527



ENSG0000012734	GLG1	golgi glyco	ENSG000001264.3871	-0.57972	0.571015	-1.01525
ENSG0000012101	ESRRA	estrogen r	ENSG00000139.05662	-1.00249	0.987468	-1.01521
ENSG00000153905	DUOX1	dual oxida	ENSG0000017.303473	-2.36143	2.32651	-1.01501
ENSG00000110659	CELF2	CUGBP Ela	ENSG000001167.1709	0.625112	0.615963	1.014853
ENSG00000157521	RPTOR	regulatory	ENSG00000136.41693	-1.03272	1.018536	-1.01392
ENSG0000014835	NQO2	N-ribosyl	ENSG00000136.31636	-1.0287	1.014825	-1.01367
ENSG00000155341	LSG1	large 60S s	ENSG00000136.38423	-1.03386	1.020126	-1.01346
ENSG00000123461	ABCA5	ATP bindin	ENSG00000146.93043	-0.93098	0.918956	-1.01308
ENSG00000157488	ESYT2	extended s	ENSG000001204.9554	-0.60586	0.598143	-1.0129
ENSG000001387758	FIBIN	fin bud init	ENSG00000128.47145	-1.16577	1.150955	-1.01287
ENSG000001101060691	NUTM2B-A	NUTM2B a	ENSG00000125.54012	-1.20883	1.193508	-1.01284
ENSG0000019481	SLC25A27	solute carr	ENSG00000119.76169	-1.34637	1.32951	-1.01268
ENSG00000100272512			ENSG0000012.881239	-3.59623	3.551424	-1.01262
ENSG000001375057	STUM	stum, mecl	ENSG0000012.881239	-3.59623	3.551424	-1.01262
ENSG000001100996643	LOC100996	monofunct	ENSG0000012.881239	-3.59623	3.551424	-1.01262
ENSG000001105376384	LOC105376	uncharacte	ENSG0000012.881239	-3.59623	3.551424	-1.01262
ENSG00000154997	TESC	tescalcin	ENSG00000123.36432	1.167127	1.153601	1.011725
ENSG000001353322	ANKRD37	ankyrin re	ENSG0000012.858614	-3.57862	3.53746	-1.01164
ENSG000001399694	SHC4	SHC adapt	ENSG0000012.858614	-3.57862	3.53746	-1.01164
ENSG00000100267529			ENSG0000012.858614	-3.57862	3.53746	-1.01164
ENSG000001163115	ZNF781	zinc finger	ENSG0000012.858614	-3.57862	3.53746	-1.01164
ENSG000001100132273	NDUFA6-D	NDUFA6 di	ENSG0000012.858614	-3.57862	3.53746	-1.01164
ENSG00000100261101			ENSG0000012.858614	-3.57862	3.53746	-1.01164
ENSG00000155577	NAGK	N-acetylgl	ENSG00000129.15871	1.06913	1.056871	1.011599
ENSG00000110224	ZNF443	zinc finger	ENSG0000017.21925	-2.34111	2.31435	-1.01156
ENSG000001118	ADD1	adducin 1	ENSG000001313.3241	-0.56224	0.556209	-1.01084
ENSG0000018692	HYAL2	hyaluronid	ENSG00000122.58617	-1.26142	1.248051	-1.01071
ENSG000001113146	AHNAK2	AHNAK nu	ENSG00000114.08382	-1.63339	1.616321	-1.01056
ENSG0000017844	RNF103	ring finger	ENSG00000138.91707	-0.99764	0.987655	-1.01011
ENSG0000012073	ERCC5	ERCC excis	ENSG00000116.24263	1.350832	1.337603	1.00989
ENSG00000163933	MCUR1	mitochond	ENSG00000130.60921	1.058808	1.048499	1.009832
ENSG0000012889	RAPGEF1	Rap guanin	ENSG000001145.183	-0.65008	0.644037	-1.00938
ENSG0000014698	NDUFA5	NADH:ubic	ENSG000001152.8029	0.641264	0.635321	1.009355
ENSG00000151185	CRBN	cereblon	ENSG00000147.41433	0.882627	0.874486	1.009309
ENSG00000151454	GULP1	GULP PTB	ENSG0000017.235598	-2.33769	2.316429	-1.00918
ENSG000001116254	GINM1	glycoprote	ENSG00000136.75684	0.969562	0.960844	1.009073
ENSG00000127145	FILIP1	filamin A ir	ENSG000001520.1745	-0.54778	0.543654	-1.00759
ENSG0000014725	NDUFS5	NADH:ubic	ENSG000001169.9324	0.629049	0.624365	1.007501
ENSG0000012944	GSTM1	glutathion	ENSG0000013.318702	-3.80334	3.775658	-1.00733
ENSG000001213	ALB	albumin	ENSG0000013.318702	-3.80334	3.775658	-1.00733
ENSG00000100247903			ENSG0000018.117981	1.839935	1.826747	1.007219
ENSG00000157604	TRMT9B	tRNA meth	ENSG00000142.0621	-0.9956	0.988504	-1.00718
ENSG00000110512	SEMA3C	semaphori	ENSG00000185.56712	0.745145	0.739906	1.00708
ENSG0000018668	EIF3I	eukaryotic	ENSG00000158.17866	0.821025	0.815282	1.007045
ENSG0000011271	CNTFR	ciliary neur	ENSG0000012.965462	-3.64122	3.615933	-1.00699
ENSG00000158485	TRAPPC1	trafficking	ENSG00000124.82109	1.14011	1.132497	1.006722
ENSG0000015328	PLAU	plasminog	ENSG00000113.75949	-1.6002	1.590105	-1.00635

ENSG00000183452	RAB33B	RAB33B, m	ENSG0000012490532	1.128054	1.120954	1.006335
ENSG0000014846	NOS3	nitric oxide	ENSG0000011062074	-1.84072	1.829178	-1.00631
ENSG000001146434	ZNF597	zinc finger	ENSG0000011062074	-1.84072	1.829178	-1.00631
ENSG0000014512	COX1	cytochrom	ENSG00000180290.49	-1.28856	1.28057	-1.00624
ENSG00000155186	SLC25A36	solute carr	ENSG00000188.4728	-0.76078	0.756396	-1.0058
ENSG000001130589	GALM	galactose r	ENSG00000120.535	1.217115	1.210506	1.005459
ENSG00000123313	KIAA0930	KIAA0930	ENSG00000130.57651	1.053373	1.047831	1.005289
ENSG00000154583	EGLN1	egl-9 famil	ENSG000001161.8081	-0.65689	0.653687	-1.0049
ENSG00000179970	ZNF767P	zinc finger	ENSG00000114.1806	-1.65566	1.647819	-1.00476
ENSG0000013609	ILF3	interleukin	ENSG000001151.4567	-0.66234	0.659417	-1.00443
ENSG00000158478	ENOPH1	enolase-ph	ENSG00000116.26526	1.341278	1.335466	1.004352
ENSG000001284443	ZNF493	zinc finger	ENSG00000136.13156	-1.02007	1.016136	-1.00387
ENSG00000110475	TRIM38	tripartite r	ENSG00000139.34604	0.968891	0.965175	1.00385
ENSG0000012054	STX2	syntaxin 2	ENSG00000113.73686	-1.59574	1.589642	-1.00383
ENSG0000017220	TRPC1	transient r	ENSG00000128.07296	-1.13902	1.134702	-1.0038
ENSG00000138	ACAT1	acetyl-CoA	ENSG000001281.2351	0.56485	0.562731	1.003764
ENSG0000013188	HNRNP2	heterogen	ENSG00000176.05462	0.773677	0.77136	1.003004
ENSG0000010280323			ENSG00000115.42263	-1.78202	1.777756	-1.0024
ENSG0000019361	LONP1	lon peptid	ENSG00000154.63579	-0.8751	0.873228	-1.00215
ENSG0000014045	LSAMP	limbic syst	ENSG00000128.02771	-1.13454	1.132201	-1.00206
ENSG000001389072	PLEKHM3	pleckstrin	ENSG00000154.39568	-0.86866	0.86688	-1.00206
ENSG00000154462	CCSER2	coiled-coil	ENSG000001215.2776	0.585141	0.584063	1.001845
ENSG00000110163	WASF2	WAS prote	ENSG000001133.2263	0.645525	0.644419	1.001717
ENSG00000123269	MGA	MGA, MAX	ENSG000001148.2112	-0.6552	0.654255	-1.00145
ENSG0000013710	ITPR3	inositol 1,4	ENSG00000141.68623	-0.97876	0.97753	-1.00126
ENSG000001378	ARF4	ADP ribosy	ENSG00000181.55632	0.734366	0.733531	1.001138
ENSG00000185378	TUBGCP6	tubulin gar	ENSG00000128.17981	-1.14704	1.145804	-1.00108
ENSG0000018736	MYOM1	myomesin	ENSG0000011872.34	-0.50461	0.504198	-1.00083
ENSG000001150709	ANKAR	ankyrin an	ENSG0000017.157652	-2.32841	2.327043	-1.00059
ENSG0000016660	SOX5	SRY-box 5	ENSG0000017.157652	-2.32841	2.327043	-1.00059
ENSG0000010269837			ENSG0000017.157652	-2.32841	2.327043	-1.00059
ENSG00000111328	FKBP9	FK506 bind	ENSG000001139.7968	-0.64967	0.64931	-1.00056
ENSG000001291	SLC25A4	solute carr	ENSG0000011388.258	0.516802	0.516577	1.000435
ENSG0000012787	GNG5	G protein s	ENSG00000152.16051	0.846245	0.845967	1.000329
ENSG00000110570	DPYSL4	dihydropyr	ENSG00000114.90906	1.389903	1.389918	0.999989
ENSG0000014718	NDUFC2	NADH:ubic	ENSG00000116.07419	1.392075	1.392291	0.999845
ENSG00000154749	EPDR1	ependymir	ENSG00000148.07412	0.927597	0.927875	0.999701
ENSG0000016926	TBX3	T-box 3	ENSG00000136.67967	-1.04377	1.044415	-0.99939
ENSG00000180221	ACSF2	acyl-CoA s	ENSG00000113.69789	-1.59316	1.594296	-0.99928
ENSG00000151313	FAM198B	family with	ENSG000001138.9775	0.70086	0.70163	0.998902
ENSG00000192999	ZBTB47	zinc finger	ENSG00000192.43599	-0.72693	0.727788	-0.99882
ENSG00000126108	PYGO1	pygopus fa	ENSG00000119.8786	-1.35219	1.354058	-0.99862
ENSG0000015310	PKD1	polycystin	ENSG00000162.12994	-0.83033	0.831671	-0.99838
ENSG00000156110	PCDHGA5	protocadh	ENSG00000119.74534	-1.34751	1.350041	-0.99813
ENSG0000019166	EBAG9	estrogen r	ENSG00000119.13983	1.246712	1.249208	0.998002
ENSG00000151517	NCKIPSD	NCK intera	ENSG00000130.93014	-1.09838	1.100958	-0.99766
ENSG00000110767	HBS1L	HBS1 like t	ENSG00000190.43649	0.72781	0.729995	0.997008

ENSG0000013655	ITGA6	integrin subunit alpha 6	ENSG000001387298	-0.6708	0.672833	-0.99698
ENSG0000019462	RASAL2	RAS protein activator like 2	ENSG0000011619663	-0.62584	0.627835	-0.99682
ENSG0000018971	H1FX	H1 histone fold domain X	ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000248624			ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000226448			ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000278768			ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000259293	TAS2R30	taste 2 receptor	ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000225193			ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000151751	HIGD1B	HIG1 hypoxanthine phosphoribosyl transferase B	ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000190485	ZNF835	zinc finger protein 835	ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000155922	NKRF	NF-kappa-B receptor	ENSG0000012797016	-3.54907	3.560808	-0.9967
ENSG00000110186	LHFPL6	LHFPL tetrahydropteridine dehydrogenase 6	ENSG0000011051619	-0.75692	0.759574	-0.9965
ENSG00000126160	IFT172	intraflagellar body protein 172	ENSG0000014918418	-0.90079	0.90433	-0.99609
ENSG0000012629	GBA	glucosylceramidase	ENSG0000011493168	1.379204	1.384843	0.995928
ENSG00000154898	ELOVL2	ELOVL fatty acid elongase 2	ENSG0000017326098	-2.36866	2.378745	-0.99576
ENSG00000110363	HMG20A	high mobility group 20A	ENSG0000013876497	-0.98849	0.992974	-0.99548
ENSG000001152137	CCDC50	coiled-coil domain containing 50	ENSG000001119729	-0.67298	0.676071	-0.99543
ENSG0000015260	PHKG1	phosphorylase kinase gamma 1	ENSG0000012240137	-1.24799	1.253854	-0.99532
ENSG0000015734	PTGER4	prostaglandin endoperoxide synthase 4	ENSG0000011380474	-1.60887	1.616455	-0.99531
ENSG0000019517	SPTLC2	serine palmitoyltransferase 2	ENSG0000018844417	0.739723	0.743321	0.995159
ENSG0000017443	VRK1	VRK serine/threonine kinase 1	ENSG0000011218031	1.510008	1.517625	0.994981
ENSG000001197259	MLKL	mixed lineage kinase domain containing	ENSG0000011462369	1.441239	1.448703	0.994847
ENSG00000151780	KDM3B	lysine demethylase 3B	ENSG0000011669088	-0.6215	0.624735	-0.99483
ENSG000001222698	NKAPL	NF-kappa-B activator protein	ENSG0000018140606	1.813287	1.822971	0.994687
ENSG00000129969	MDFIC	MyoD family bHLH transcription factor	ENSG0000015680611	0.819511	0.823964	0.994595
ENSG000001122416	ANKRD9	ankyrin repeat domain 9	ENSG0000014925585	-0.90098	0.906035	-0.99442
ENSG000001140890	SREK1	splicing regulatory factor 1	ENSG0000015968133	-0.8468	0.851947	-0.99396
ENSG00000151143	DYNC1L1	dynein cytoplasmic 1	ENSG0000016927361	0.766092	0.770815	0.993873
ENSG00000110677	AVIL	advillin	ENSG0000011059811	-1.83512	1.846949	-0.9936
ENSG0000014054	LTBP3	latent transforming growth factor binding protein 3	ENSG0000014698575	-0.93163	0.937979	-0.99324
ENSG00000179144	PPDPF	pancreatic polypeptide domain containing	ENSG0000013381439	1.001504	1.008509	0.993053
ENSG00000155233	MOB1A	MOB kinase 1A	ENSG000001119341	0.657522	0.662123	0.993051
ENSG00000259834			ENSG0000013221141	3.020766	3.042133	0.992976
ENSG00000180610			ENSG0000013221141	3.020766	3.042133	0.992976
ENSG00000250775			ENSG0000013221141	3.020766	3.042133	0.992976
ENSG00000127306	HPGDS	hematopoietic prostaglandin synthase	ENSG0000013221141	3.020766	3.042133	0.992976
ENSG00000213613			ENSG0000013221141	3.020766	3.042133	0.992976
ENSG00000241170			ENSG0000013221141	3.020766	3.042133	0.992976
ENSG000001341350	OVCH1	ovochymase	ENSG0000013221141	3.020766	3.042133	0.992976
ENSG00000153346	TM6SF1	transmembrane protein 6 superfamily 1	ENSG0000016930227	1.936812	1.950522	0.992971
ENSG00000111059	WWP1	WW domain containing 1	ENSG0000011572803	-0.633	0.637563	-0.99284
ENSG00000157153	SLC44A2	solute carrier family 44 member 2	ENSG0000011272697	0.646384	0.651264	0.992508
ENSG00000179058	ASPSCR1	ASPSCR1, chromosome 19 open reading frame 1	ENSG0000011361366	-1.58158	1.593875	-0.99228
ENSG000001285761	DCBLD1	discoidin, class B, like 1	ENSG0000011365264	-1.58418	1.596889	-0.99204
ENSG0000016921	ELOC	elongin C	ENSG0000013552383	0.965638	0.973469	0.991957
ENSG00000157132	CHMP1B	charged multivesicular body protein 1B	ENSG0000013681216	0.970345	0.978307	0.991861
ENSG00000126205	GMEB2	glucocorticoid-induced leucine-rich repeat containing 2	ENSG0000017050804	-2.29924	2.319585	-0.99123

ENSG0000015162	PDHB	pyruvate d	ENSG00000194.31546	0.697641	0.703836	0.991198
ENSG0000019625	AATK	apoptosis a	ENSG0000015.658249	2.164316	2.184124	0.990931
ENSG00000127131	SNX5	sorting nex	ENSG00000154.91816	0.842392	0.850103	0.99093
ENSG00000154469	ZFAND6	zinc finger	ENSG00000160.02765	0.800889	0.808253	0.990889
ENSG0000018237	USP11	ubiquitin s	ENSG00000135.9694	-1.01312	1.022533	-0.99079
ENSG0000014125	MAN2B1	mannosida	ENSG00000125.07376	1.104137	1.11453	0.990675
ENSG00000164398	MPP5	membrane	ENSG00000136.06369	-1.01486	1.024474	-0.99061
ENSG00000154453	RIN2	Ras and Ra	ENSG00000177.32318	-0.77006	0.777406	-0.99055
ENSG00000181892	SLIRP	SRA stem-l	ENSG00000129.50567	1.039881	1.049843	0.990511
ENSG00000157730	ANKRD36B	ankyrin re	ENSG00000110.71124	-1.86267	1.88113	-0.99019
ENSG00000183479	DDX59	DEAD-box	ENSG00000119.26302	1.228768	1.241237	0.989954
ENSG0000019099	USP2	ubiquitin s	ENSG00000177.23543	-0.83386	0.842791	-0.9894
ENSG000001197335	WDR90	WD repeat	ENSG0000012.819641	-3.56684	3.605354	-0.98932
ENSG000001654434	SNHG20	small nucle	ENSG0000012.819641	-3.56684	3.605354	-0.98932
ENSG000001105372321	LOC105372	uncharacte	ENSG0000012.819641	-3.56684	3.605354	-0.98932
ENSG00000154084	TSPEAR	thrombosp	ENSG0000012.819641	-3.56684	3.605354	-0.98932
ENSG0000014678	NASP	nuclear au	ENSG00000156.98004	-0.85598	0.865324	-0.98921
ENSG00000126751	SH3YL1	SH3 and SY	ENSG00000116.60659	-1.43211	1.447911	-0.98909
ENSG0000010275764			ENSG0000017.212973	-2.32995	2.355984	-0.98895
ENSG00000126121	PRPF31	pre-mRNA	ENSG0000017.096054	-2.31558	2.341742	-0.98883
ENSG00000155609	ZNF280C	zinc finger	ENSG0000017.096054	-2.31558	2.341742	-0.98883
ENSG000001805	CALM2	calmodulin	ENSG000001279.4684	0.622841	0.629957	0.988704
ENSG000001746	TMEM258	transmeml	ENSG00000117.55986	1.311043	1.326168	0.988595
ENSG0000016648	SOD2	superoxide	ENSG0000011114.883	0.490286	0.495999	0.988483
ENSG0000015580	PRKCD	protein kin	ENSG00000113.59811	1.424771	1.441561	0.988353
ENSG000001221061	FAM171A1	family with	ENSG00000113.59104	-1.57705	1.596933	-0.98755
ENSG00000185476	GFM1	G elongatic	ENSG00000178.20569	-0.78783	0.797866	-0.98743
ENSG00000184859	LRCH3	leucine ric	ENSG00000162.42786	-0.84031	0.851363	-0.98702
ENSG00000157560	IFT80	intraflagell	ENSG00000112.01814	1.542774	1.563232	0.986913
ENSG00000155761	TTC17	tetratricop	ENSG00000184.55211	-0.73968	0.750069	-0.98615
ENSG000001727957	MROH1	maestro h	ENSG00000122.3624	-1.24624	1.26452	-0.98554
ENSG000001392	ARHGAP1	Rho GTPas	ENSG00000184.53956	-0.73801	0.748873	-0.9855
ENSG000001404201	WDFY3-AS	WDFY3 ant	ENSG0000018.179579	1.81376	1.841027	0.98519
ENSG0000015142	PDE4B	phosphodi	ENSG00000125.12528	-1.17988	1.197681	-0.98513
ENSG00000160625	DHX35	DEAH-box	ENSG00000125.29373	-1.19277	1.210923	-0.98501
ENSG0000019150	CTDP1	CTD phosp	ENSG0000017.011831	-2.29456	2.330822	-0.98444
ENSG0000014793	NFKBIB	NFKB inhib	ENSG0000017.011831	-2.29456	2.330822	-0.98444
ENSG0000019132	KCNQ4	potassium	ENSG0000012.835989	-3.56109	3.61888	-0.98403
ENSG00000111093	ADAMTS1	ADAM met	ENSG0000012.835989	-3.56109	3.61888	-0.98403
ENSG0000014982	TNFRSF11E	TNF recept	ENSG0000018.017411	1.866143	1.896582	0.983951
ENSG0000015980	REV3L	REV3 like, I	ENSG00000199.59953	-0.70494	0.716577	-0.98376
ENSG00000151129	ANGPTL4	angiopoiet	ENSG0000016.989206	-2.28622	2.32403	-0.98373
ENSG0000019990	SLC12A6	solute carr	ENSG000001111.6071	0.667383	0.678641	0.98341
ENSG0000018292	COLQ	collagen lik	ENSG0000018.033758	1.892608	1.924761	0.983295
ENSG00000110175	CNIH1	cornichon f	ENSG00000144.7698	0.877755	0.892787	0.983163
ENSG00000110171	RCL1	RNA termi	ENSG00000110.48119	-1.82512	1.856869	-0.9829
ENSG00000110162	LPCAT3	lysophosph	ENSG00000110.48119	-1.82512	1.856869	-0.9829

ENSG0000011389	CREBL2	cAMP resp	ENSG0000015204359	0.84917	0.864183	0.982628
ENSG00000184503	ZNF527	zinc finger	ENSG000001352944	-1.56989	1.597692	-0.9826
ENSG00000157479	PRR12	proline ric	ENSG0000011944742	-1.31645	1.339766	-0.9826
ENSG0000014082	MARCKS	myristoyla	ENSG0000015855453	0.802476	0.816828	0.98243
ENSG00000183992	CTTNBP2	cortactin b	ENSG0000011056542	-1.83956	1.873583	-0.98184
ENSG0000013614	IMPDH1	inosine mo	ENSG0000012367859	1.121382	1.14221	0.981765
ENSG00000110169	SERF2	small EDR	ENSG0000011086319	0.667994	0.680437	0.981712
ENSG000001127495	LRRC39	leucine ric	ENSG0000018004802	0.738997	0.752775	0.981697
ENSG000001102723566	LOC102723566	uncharacte	ENSG0000011041332	-1.80792	1.841735	-0.98164
ENSG000001114599	SNORD15B	small nucle	ENSG000001122419	1.494547	1.522756	0.981475
ENSG000001347862	GATD1	glutamine	ENSG0000011649974	-1.41866	1.4455	-0.98143
ENSG000001162972	ZNF550	zinc finger	ENSG0000011649974	-1.41866	1.4455	-0.98143
ENSG00000110765	KDM5B	lysine dem	ENSG0000014883094	-0.88738	0.904454	-0.98112
ENSG00000164147	KIF9	kinesin far	ENSG0000012897587	-3.59096	3.660177	-0.98109
ENSG00000185439	STON2	stonin 2	ENSG0000012037283	1.235905	1.259845	0.980998
ENSG0000013603	IL16	interleukin	ENSG0000011628788	1.332069	1.357936	0.980951
ENSG00000180149	ZC3H12A	zinc finger	ENSG0000018263802	1.76297	1.797978	0.980529
ENSG0000019886	RHOBTB1	Rho relate	ENSG0000014001734	0.929009	0.948119	0.979844
ENSG00000100000237938			ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG000001100129480	MKRN2OS	MKRN2 op	ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG000001100507266	STX18-AS1	STX18 anti	ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG00000100000246596			ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG000001100507500	EGFR-AS1	EGFR antis	ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG000001441369	FLJ46284	uncharacte	ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG000001114299	PALM2	paralemmi	ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG000001144406	WDR66	WD repeat	ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG00000100000259367			ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG00000100000278983			ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG00000100000279407			ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG000001101927559	CEBPB-AS1	CEBPB anti	ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG00000100000248476			ENSG0000012735418	-3.51888	3.591741	-0.97972
ENSG000001128338	DRAM2	DNA dama	ENSG0000012819472	1.041035	1.063017	0.979321
ENSG00000127231	NMRK2	nicotinami	ENSG0000011085251	0.670998	0.685222	0.979242
ENSG00000155226	NAT10	N-acetyltra	ENSG0000013339758	-1.05265	1.07536	-0.97888
ENSG00000180213	TM2D3	TM2 doma	ENSG0000013053792	-1.0761	1.099379	-0.97883
ENSG00000180345	ZSCAN16	zinc finger	ENSG0000012774391	-3.5309	3.608509	-0.97849
ENSG00000100000124593			ENSG0000012774391	-3.5309	3.608509	-0.97849
ENSG00000100000231329			ENSG0000012774391	-3.5309	3.608509	-0.97849
ENSG00000100000173727			ENSG0000012774391	-3.5309	3.608509	-0.97849
ENSG0000015959	RDH5	retinol deh	ENSG0000012774391	-3.5309	3.608509	-0.97849
ENSG00000100000256609			ENSG0000012774391	-3.5309	3.608509	-0.97849
ENSG000001643338	C15orf62	chromosor	ENSG0000012774391	-3.5309	3.608509	-0.97849
ENSG00000154662	TBC1D13	TBC1 dom	ENSG0000012767447	-1.11158	1.138034	-0.97675
ENSG000001660	BMX	BMX non-r	ENSG0000019597378	1.641081	1.680321	0.976647
ENSG0000018632	DNAH17	dynein axo	ENSG0000015742472	2.07593	2.126345	0.97629
ENSG00000155049	REX1BD	required fc	ENSG0000015742472	2.07593	2.126345	0.97629
ENSG000001323	APBB2	amyloid be	ENSG0000017922121	-0.74552	0.764032	-0.97577

ENSG00000112752	IFT43	intraflagell	ENSG0000016.51165	1.298133	1.330663	0.975553
ENSG00000129119	CTNNA3	catenin alp	ENSG000001270.0825	0.553874	0.567754	0.975553
ENSG000001317662	FAM149B1	family with	ENSG00000122.16022	1.15592	1.185216	0.975282
ENSG00000151324	SPG21	SPG21, ma	ENSG00000140.13047	0.914906	0.938122	0.975253
ENSG00000155607	PPP1R9A	protein ph	ENSG00000185.27245	-0.75291	0.772038	-0.97523
ENSG0000011155	TBCB	tubulin fol	ENSG00000136.93535	0.961517	0.986144	0.975027
ENSG00000129088	MRPL15	mitochond	ENSG00000140.16316	0.918279	0.941798	0.975027
ENSG00000159345	GNB4	G protein s	ENSG00000144.85402	0.871808	0.894281	0.97487
ENSG00000125831	HECTD1	HECT dom	ENSG000001373.5436	-0.52835	0.542012	-0.97479
ENSG00000179613	TANGO6	transport a	ENSG00000116.47712	-1.41489	1.451867	-0.97453
ENSG00000155032	SLC35A5	solute carr	ENSG00000129.38876	1.043979	1.071484	0.974331
ENSG00000151194	IPO11	importin 1	ENSG00000138.47333	-0.97437	1.000104	-0.97426
ENSG00000156898	BDH2	3-hydroxy	ENSG00000110.31275	-1.79546	1.843327	-0.97403
ENSG00000122835	ZFP30	ZFP30 zinc	ENSG00000110.31275	-1.79546	1.843327	-0.97403
ENSG00000123301	EHBP1	EH domain	ENSG00000132.97647	-1.02769	1.055123	-0.974
ENSG0000012768	GNA12	G protein s	ENSG00000146.22395	-0.90279	0.9271	-0.97378
ENSG0000014904	YBX1	Y-box bind	ENSG000001482.825	0.509379	0.523137	0.973701
ENSG0000019827	RGP1	RGP1 hom	ENSG00000158.96229	-0.82188	0.844207	-0.97356
ENSG0000014791	NFKB2	nuclear fac	ENSG00000117.99105	1.242143	1.27776	0.972125
ENSG0000014214	MAP3K1	mitogen-ac	ENSG00000160.40351	0.783022	0.805657	0.971904
ENSG00000184928	TMEM209	transmem	ENSG00000117.37507	1.342333	1.382358	0.971046
ENSG00000158506	SCAF1	SR-related	ENSG00000119.26263	-1.30094	1.339931	-0.9709
ENSG00000110390	CEPT1	choline/et	ENSG00000125.28118	1.079293	1.111662	0.970883
ENSG000001196810			ENSG00000116.41552	-1.40887	1.451259	-0.97079
ENSG000001147923	ZNF420	zinc finger	ENSG00000110.29012	-1.78956	1.843463	-0.97076
ENSG00000110905	MAN1A2	mannosida	ENSG000001104.3069	0.665066	0.685117	0.970734
ENSG0000011942	EFNA1	ephrin A1	ENSG00000122.15498	-1.22985	1.267154	-0.97056
ENSG00000180198	MUS81	MUS81 stri	ENSG00000116.73606	-1.44865	1.492885	-0.97037
ENSG000001153	ADRB1	adrenocep	ENSG00000130.29153	-1.06246	1.095395	-0.96993
ENSG00000154587	MXRA8	matrix rem	ENSG00000116.82408	-1.44724	1.4925	-0.96967
ENSG00000154187	NANS	N-acetylne	ENSG00000119.03926	1.257846	1.297264	0.969615
ENSG0000012975	GTF3C1	general tra	ENSG000001127.4319	-0.66455	0.685394	-0.9696
ENSG0000019188	DDX21	DEXD-box	ENSG000001104.3635	-0.69138	0.713216	-0.96938
ENSG0000014946	OAZ1	ornithine d	ENSG000001229.4598	0.562784	0.580594	0.969324
ENSG00000179415	CYBC1	cytochrom	ENSG00000131.11454	1.003242	1.035306	0.969029
ENSG0000012632	GBE1	1,4-alpha-g	ENSG000001110.3967	0.661514	0.682798	0.968829
ENSG000001150763	GPAT2	glycerol-3-	ENSG0000012.712793	-3.50022	3.61299	-0.96879
ENSG0000010253389			ENSG0000012.712793	-3.50022	3.61299	-0.96879
ENSG000001759	CA1	carbonic ar	ENSG0000012.712793	-3.50022	3.61299	-0.96879
ENSG0000010235159			ENSG0000012.712793	-3.50022	3.61299	-0.96879
ENSG0000016007	RHD	Rh blood g	ENSG0000014.2857	2.614132	2.698833	0.968616
ENSG0000011524	CX3CR1	C-X3-C mo	ENSG0000014.2857	2.614132	2.698833	0.968616
ENSG00000155640	FLVCR2	feline leuk	ENSG0000014.2857	2.614132	2.698833	0.968616
ENSG0000015705	PSMC5	proteasom	ENSG00000143.42209	-0.91513	0.944782	-0.96861
ENSG000001860	RUNX2	runt relate	ENSG0000015.350259	2.396092	2.474126	0.96846
ENSG000001100130231	LINC00861	long interg	ENSG0000015.350259	2.396092	2.474126	0.96846
ENSG00000164419	MTMR14	myotubula	ENSG00000161.46871	-0.81082	0.837538	-0.96809

ENSG00000164098	PARVG	parvin gam	ENSG0000019.289388	1.748178	1.80581	0.968086
ENSG00000111259	FILIP1L	filamin A ir	ENSG000001149.4545	-0.66839	0.690486	-0.968
ENSG0000017391	USF1	upstream t	ENSG00000135.87707	0.936732	0.968348	0.96735
ENSG0000019564	BCAR1	BCAR1, Ca	ENSG00000124.88896	-1.15918	1.198383	-0.96728
ENSG0000016096	RORB	RAR relate	ENSG00000117.64748	-1.52681	1.579148	-0.96686
ENSG000001683	BST1	bone marr	ENSG0000018.3254	1.738352	1.798369	0.966627
ENSG00000184898	PLXDC2	plexin dom	ENSG000001136.0118	0.620647	0.642111	0.966573
ENSG000001642819	ZNF487	zinc finger	ENSG0000016.86601	-2.25983	2.338278	-0.96645
ENSG000001220002	CYB561A3	cytochrom	ENSG0000016.86601	-2.25983	2.338278	-0.96645
ENSG00000110479	SLC9A6	solute carr	ENSG00000131.31569	0.990335	1.024906	0.966269
ENSG00000183636	C19orf12	chromosor	ENSG00000137.41807	0.920392	0.953001	0.965783
ENSG00000111079	RER1	retention i	ENSG00000143.45257	0.87785	0.909061	0.965667
ENSG00000123429	RYBP	RING1 and	ENSG00000143.45257	0.87785	0.909061	0.965667
ENSG000001161198	CLEC14A	C-type lect	ENSG00000148.4777	-0.87384	0.904959	-0.96561
ENSG000001729967	MORN2	MORN rep	ENSG0000019.574753	1.660847	1.720092	0.965557
ENSG000001140901	STK35	serine/thre	ENSG00000148.53302	-0.87437	0.905692	-0.96541
ENSG00000110725	NFAT5	nuclear fac	ENSG000001141.1882	-0.63312	0.655817	-0.96539
ENSG0000012517	FUCA1	alpha-L-fuc	ENSG00000123.63962	1.12298	1.163245	0.965385
ENSG00000122859	ADGRL1	adhesion G	ENSG00000116.51609	-1.41721	1.468271	-0.96523
ENSG00000111099	PTPN21	protein tyr	ENSG00000169.1389	-0.77845	0.806603	-0.9651
ENSG00000126045	LRRTM2	leucine ric	ENSG00000113.34465	-1.54822	1.60438	-0.96499
ENSG00000151727	CMPK1	cytidine/ur	ENSG000001121.8059	0.637452	0.660717	0.964788
ENSG000001165918	RNF168	ring finger	ENSG00000145.91596	-0.89121	0.923916	-0.9646
ENSG0000011906	EDN1	endothelin	ENSG00000110.22852	-1.7803	1.8459	-0.96446
ENSG00000179754	ASB13	ankyrin re	ENSG00000110.22852	-1.7803	1.8459	-0.96446
ENSG000001339977	LRRC66	leucine ric	ENSG0000013.111283	-3.71032	3.847174	-0.96443
ENSG0000015345	SERPINF2	serpin fam	ENSG0000013.111283	-3.71032	3.847174	-0.96443
ENSG0000010270112			ENSG0000013.111283	-3.71032	3.847174	-0.96443
ENSG00000164431	ACTR6	ARP6 actin	ENSG00000113.66898	-1.58266	1.641433	-0.9642
ENSG000001102724532	LOC102724	uncharacte	ENSG00000114.94803	1.387745	1.439513	0.964038
ENSG0000019159	PCSK7	proprotein	ENSG00000132.80802	-1.01751	1.055512	-0.964
ENSG00000126469	PTPN18	protein tyr	ENSG00000137.9119	0.976381	1.012865	0.96398
ENSG000001101927653	LINC02388	long interg	ENSG00000113.16692	1.523666	1.580777	0.963871
ENSG00000179745	CLIP4	CAP-Gly dc	ENSG00000182.12326	0.714458	0.741363	0.963709
ENSG000001132949	AASDH	aminoadip	ENSG00000113.68233	1.399665	1.452572	0.963578
ENSG0000017067	THRA	thyroid ho	ENSG000001106.5406	-0.67919	0.704902	-0.96352
ENSG0000011175	AP2S1	adaptor rel	ENSG00000113.62073	1.413055	1.467198	0.963097
ENSG000001950	SCARB2	scavenger	ENSG000001218.5131	0.564492	0.586232	0.962916
ENSG00000127089	UQCRQ	ubiquinol-c	ENSG000001124.9192	0.666674	0.692402	0.962842
ENSG0000014683	NBN	nibrin	ENSG00000152.82173	0.812674	0.844369	0.962463
ENSG0000013275	PRMT2	protein arg	ENSG00000158.84617	0.788529	0.819378	0.962351
ENSG00000128513	CDH19	cadherin 1	ENSG000001103.6507	-0.67777	0.704328	-0.96229
ENSG000001644873	LINC01184	long interg	ENSG00000116.29232	-1.39677	1.45171	-0.96216
ENSG0000010280381			ENSG0000016.888635	-2.26821	2.357884	-0.96197
ENSG00000155876	GSDMB	gasdermin	ENSG0000016.888635	-2.26821	2.357884	-0.96197
ENSG00000154880	BCOR	BCL6 core	ENSG00000140.72081	-0.93292	0.969813	-0.96196
ENSG0000019949	AMMECR1	Alport sync	ENSG00000113.32202	-1.54357	1.606108	-0.96106

ENSG000001342184	FMN1	formin 1	ENSG0000014457454	1.05088	1.093837	0.960728
ENSG0000016775	STAT4	signal transducer and activator of transcription 4	ENSG000001267382	-3.48801	3.632226	-0.96029
ENSG000001956	ENTPD3	ectonucleoside diphosphate diesterase 3	ENSG000001267382	-3.48801	3.632226	-0.96029
ENSG00000179825	EFCC1	EF-hand domain-containing protein 1	ENSG000001267382	-3.48801	3.632226	-0.96029
ENSG00000122999	RIMS1	regulating intracellular signaling 1	ENSG000001267382	-3.48801	3.632226	-0.96029
ENSG000001254122	SNX32	sorting nexin 32	ENSG000001267382	-3.48801	3.632226	-0.96029
ENSG0000010244691			ENSG000001267382	-3.48801	3.632226	-0.96029
ENSG0000010270614			ENSG000001267382	-3.48801	3.632226	-0.96029
ENSG0000010276071			ENSG000001267382	-3.48801	3.632226	-0.96029
ENSG00000126053	AUTS2	AUTS2, autism susceptibility 2	ENSG0000011665747	1.268031	1.32087	0.959997
ENSG0000018807	IL18RAP	interleukin 18 receptor	ENSG0000011636805	3.776367	3.933818	0.959975
ENSG00000157464	STRIP2	striatin interacting protein 2	ENSG0000012829529	1.033844	1.076954	0.95997
ENSG00000155131	RBM28	RNA binding motif protein 28	ENSG0000016609693	-0.7755	0.808014	-0.95976
ENSG00000181796	SLCO5A1	solute carrier family 5 member A1	ENSG0000017532602	-0.86633	0.902729	-0.95967
ENSG00000184441	MAML2	mastermind 2	ENSG0000013559981	-0.99555	1.037689	-0.95939
ENSG000001340527	NHSL2	NHS like 2	ENSG0000015104063	0.829837	0.865347	0.958964
ENSG00000179591	ARMH3	armadillo-like protein 3	ENSG0000018367091	-0.71877	0.749584	-0.95889
ENSG0000018367	HIST1H4E	histone H4.2	ENSG0000013291828	0.964296	1.005646	0.958882
ENSG00000133	ACADL	acyl-CoA dehydrogenase long-chain family member 1	ENSG0000012758043	-3.53657	3.690259	-0.95835
ENSG000001201254	CENPX	centromere protein X	ENSG0000012758043	-3.53657	3.690259	-0.95835
ENSG00000125938	HEATR5A	HEAT repeat domain containing 5A	ENSG0000014197317	0.886522	0.925423	0.957964
ENSG00000156261	GPCPD1	glycerophosphatidylcholine phosphatidyl transferase domain containing 1	ENSG0000015548117	0.891135	0.930583	0.957609
ENSG00000191050	CCDC149	coiled-coil domain containing 149	ENSG0000012471045	-1.15033	1.202127	-0.95691
ENSG00000110866	HCP5	HLA class II histocompatibility complex protein 5	ENSG0000012530381	1.074264	1.122696	0.956861
ENSG0000018533	COPS3	COP9 signalosome component 3	ENSG0000014518464	0.852076	0.890536	0.956812
ENSG0000018809	IL18R1	interleukin 18 receptor 1	ENSG0000012518061	1.087406	1.136497	0.956806
ENSG000001284018	C17orf58	chromosome 17 open reading frame 58	ENSG0000017005554	-2.28307	2.386258	-0.95676
ENSG0000016843	VAMP1	vesicle associated membrane protein 1	ENSG0000016804412	-2.24644	2.348331	-0.95661
ENSG000001162966	ZNF600	zinc finger protein 600	ENSG0000016804412	-2.24644	2.348331	-0.95661
ENSG000001100873983	MAGI1-AS1	MAGI1 antisense 1	ENSG0000012651195	-3.46896	3.627764	-0.95622
ENSG0000010242052			ENSG0000012651195	-3.46896	3.627764	-0.95622
ENSG0000010261211			ENSG0000012651195	-3.46896	3.627764	-0.95622
ENSG0000010220848			ENSG0000012651195	-3.46896	3.627764	-0.95622
ENSG0000010203593			ENSG0000012651195	-3.46896	3.627764	-0.95622
ENSG0000017571	ZNF23	zinc finger protein 23	ENSG0000012651195	-3.46896	3.627764	-0.95622
ENSG00000151079	NDUFA13	NADH dehydrogenase subunit A13	ENSG0000012651195	-3.46896	3.627764	-0.95622
ENSG0000015794	PTPRH	protein tyrosine phosphatase receptor type H	ENSG0000012651195	-3.46896	3.627764	-0.95622
ENSG00000184282	RNF135	ring finger protein 135	ENSG0000011234875	1.451968	1.518647	0.956094
ENSG0000012350	FOLR2	folate receptor 2	ENSG0000011517284	1.566767	1.63875	0.956075
ENSG0000019798	IST1	IST1, ESCRT-III component	ENSG0000019881511	-0.69026	0.722074	-0.95595
ENSG00000110752	CHL1	cell adhesion molecule 1	ENSG0000014315307	-0.90385	0.946091	-0.95535
ENSG0000015866	RAB3IL1	RAB3A interacting protein 1	ENSG0000011330567	-1.54552	1.617933	-0.95524
ENSG0000015036	PA2G4	proliferating cell nuclear antigen 2G4	ENSG0000014051966	-0.92561	0.969054	-0.95517
ENSG00000111135	CDC42EP1	CDC42 effector 1	ENSG0000011336099	-1.54629	1.619013	-0.95508
ENSG0000013954	LETM1	leucine transporter 1	ENSG0000016609065	-0.77435	0.810785	-0.95506
ENSG0000019869	SETDB1	SET domain containing 1	ENSG0000011910046	-1.28856	1.349206	-0.95505
ENSG000001101928731	LOC101928731	uncharacterized protein	ENSG0000016781787	-2.23779	2.343824	-0.95476



ENSG00000151090	PLLP	plasmolipin	ENSG00000167817	6.781787	-2.23779	2.343824	-0.95476
ENSG0000018021	NUP214	nucleoporin	ENSG00000161452	61.45237	-0.81099	0.8496	-0.95455
ENSG0000015686	PSMA5	proteasome	ENSG00000135922	35.92232	0.930277	0.975382	0.953757
ENSG0000011174	AP1S1	adaptor protein	ENSG00000170760	48.14305	1.843005	1.932592	0.953644
ENSG00000110891	PPARGC1A	PPARG coactivator	ENSG00000114399	143.9903	-0.6679	0.700553	-0.95339
ENSG00000179066	METTL16	methyltransferase	ENSG00000135369	35.36976	-0.9832	1.031368	-0.9533
ENSG0000014624	MYH6	myosin heavy chain	ENSG00000122992	2299.284	-1.45764	1.529662	-0.95292
ENSG00000137488	TMEM205	transmembrane protein	ENSG00000169528	6.952852	1.904043	1.998728	0.952627
ENSG00000179834	PEAK1	pseudopod protein	ENSG00000122800	228.0057	-0.55743	0.585195	-0.95255
ENSG00000155847	CISD1	CDGSH iron domain	ENSG00000148344	48.34457	0.830221	0.871877	0.952223
ENSG0000017321	UBE2D1	ubiquitin-conjugating enzyme	ENSG00000151319	51.31971	0.819885	0.861074	0.952166
ENSG00000125923	SGMS1	sphingomyelinase	ENSG00000140645	40.64588	0.880983	0.925626	0.95177
ENSG00000102417			ENSG00000110143	10.1443	-1.76499	1.854864	-0.95155
ENSG00000116293	ZNF846	zinc finger protein	ENSG00000113844	13.8445	1.3719	1.442343	0.951161
ENSG00000112871	SLX4IP	SLX4 interacting protein	ENSG00000113844	13.8445	1.3719	1.442343	0.951161
ENSG0000014199	ME1	malic enzyme	ENSG00000127791	27.79139	-1.11615	1.173675	-0.95099
ENSG00000122021	OTUD1	OTU domain ubiquitin	ENSG00000131523	31.5231	0.971163	1.021331	0.950879
ENSG00000151027	BOLA1	bolA family protein	ENSG00000146163	4.616315	2.240728	2.35733	0.950536
ENSG00000123005	MAPKBP1	mitogen-activated protein kinase	ENSG00000127321	27.32123	-1.08825	1.145011	-0.95043
ENSG0000011196	CLK2	CDC like kinase	ENSG00000119016	19.01623	-1.28002	1.346793	-0.95042
ENSG00000123074	UHRF1BP1	UHRF1 binding protein	ENSG00000148389	48.38982	0.825796	0.86891	0.950382
ENSG0000019341	VAMP3	vesicle associated protein	ENSG00000188997	88.99751	0.684352	0.720248	0.950162
ENSG00000126095	PTPN20	protein tyrosine phosphatase	ENSG00000112471	12.47195	1.422434	1.497793	0.949687
ENSG00000110460	TACC3	transformin	ENSG00000110953	10.95358	1.534644	1.616301	0.949479
ENSG00000184814	PLPP7	phospholipid	ENSG00000132639	32.63958	-1.00726	1.060975	-0.94937
ENSG0000013752	KCND3	potassium channel	ENSG00000163311	63.31142	-0.77781	0.819593	-0.94902
ENSG0000012683	B4GALT1	beta-1,4-galactosyltransferase	ENSG00000199752	99.75294	-0.70511	0.743277	-0.94865
ENSG00000165443	PAX8-AS1	PAX8 antisense	ENSG00000121885	21.88596	-1.20864	1.274105	-0.94862
ENSG00000154842	MFSB6	major facilitator	ENSG00000161796	61.79684	-0.81685	0.861112	-0.9486
ENSG00000179734	KCTD17	potassium channel	ENSG00000183869	8.386998	1.713937	1.806886	0.948559
ENSG0000016573	SLC19A1	solute carrier	ENSG00000183480	8.348025	1.714087	1.807292	0.948428
ENSG0000013426	CFI	complement	ENSG00000135392	35.39239	-0.98494	1.038624	-0.94831
ENSG00000140092	TPTEP2	TPTE pseudosubstrate	ENSG00000113237	13.2378	-1.53158	1.615446	-0.94809
ENSG0000014001	LMNB1	lamin B1	ENSG00000145547	4.554717	2.294778	2.421114	0.947819
ENSG00000134593	ECT2L	epithelial cell	ENSG00000145547	4.554717	2.294778	2.421114	0.947819
ENSG00000120278	PAXIP1-AS	PAXIP1 antisense	ENSG00000145547	4.554717	2.294778	2.421114	0.947819
ENSG00000184727	SPSB2	splA/ryano	ENSG00000145547	4.554717	2.294778	2.421114	0.947819
ENSG00000123242	COBL	cordon-ble	ENSG00000198467	98.46724	0.665531	0.702256	0.947705
ENSG0000014968	OGG1	8-oxoguanine	ENSG00000110127	10.12795	-1.76757	1.86524	-0.94764
ENSG000001154	ADRB2	adrenoceptor	ENSG00000110127	10.12795	-1.76757	1.86524	-0.94764
ENSG00000151187	RSL24D1	ribosomal	ENSG00000149707	49.70705	0.827308	0.873032	0.947627
ENSG000001214	ALCAM	activated leukocyte	ENSG00000119616	19.61626	1.170525	1.235986	0.947038
ENSG00000129982	NRBF2	nuclear receptor	ENSG00000116741	16.74169	1.248825	1.318924	0.946851
ENSG00000110109	ARPC2	actin related	ENSG00000113178	131.7873	0.615233	0.649818	0.946777
ENSG00000111037	STON1	stonin 1	ENSG00000121801	21.80174	-1.20116	1.26899	-0.94655
ENSG00000137444	LOC374443	C-type lectin	ENSG00000196200	9.620003	1.621768	1.714571	0.945874
ENSG0000011718	DHCR24	24-dehydrocholesterol	ENSG00000124966	24.96691	-1.16258	1.229439	-0.94562

ENSG0000018859	STK19	serine/thr	ENSG0000018409623	1.690178	1.787928	0.945328
ENSG00000110301	DLEU1	deleted in	ENSG0000018409623	1.690178	1.787928	0.945328
ENSG0000013315	HSPB1	heat shock	ENSG000001122.0432	0.697226	0.737763	0.945055
ENSG00000183692	CD99L2	CD99 mole	ENSG000001128.8675	0.614186	0.650102	0.944753
ENSG0000014644	MYO5A	myosin VA	ENSG00000173.6965	0.806058	0.853212	0.944733
ENSG0000018405	SPOP	speckle typ	ENSG00000163.98456	0.7498	0.793858	0.944501
ENSG00000181894	SLC25A28	solute carr	ENSG00000118.95464	-1.27473	1.349672	-0.94448
ENSG0000019524	TECR	trans-2,3-e	ENSG00000121.79546	-1.19712	1.267595	-0.9444
ENSG000001388796	SNHG17	small nucle	ENSG0000016.759162	-2.22913	2.361113	-0.9441
ENSG00000164005	MYO1G	myosin IG	ENSG0000017.137645	1.813618	1.921133	0.944036
ENSG00000157142	RTN4	reticulon 4	ENSG000001126.6464	0.63059	0.668233	0.943668
ENSG00000180832	APOL4	apolipopro	ENSG00000115.22332	1.311648	1.390799	0.943089
ENSG0000015814	PURB	purine rich	ENSG00000163.42834	-0.78005	0.827237	-0.94296
ENSG0000013554	IL1R1	interleukin	ENSG000001122.5622	-0.67631	0.717543	-0.94254
ENSG0000011647	GADD45A	growth arr	ENSG00000115.16173	1.323355	1.404238	0.942401
ENSG00000179134	TMEM185	transmembr	ENSG00000110.04373	-1.75217	1.859851	-0.9421
ENSG00000125915	NDUFAF3	NADH:ubiqu	ENSG00000140.83067	0.869495	0.922942	0.94209
ENSG00000110724	OGA	O-GlcNAc	ENSG000001297.5635	-0.52676	0.55947	-0.94153
ENSG00000157381	RHOJ	ras homolo	ENSG00000121.82437	-1.20399	1.278772	-0.94152
ENSG00000159271	EVA1C	eva-1 hom	ENSG00000121.82437	-1.20399	1.278772	-0.94152
ENSG0000013269	HRH1	histamine	ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG0000010250500			ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG000001132430	PABPC4L	poly(A) bin	ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG000001157381	LINC00964	long interg	ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG00000183758	RBP5	retinol bin	ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG000001283487	LINC00346	long interg	ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG00000126175	TMEM251	transmembr	ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG00000184080	ENKD1	enkurin do	ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG000001440348	NPIP15	nuclear po	ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG0000010278864			ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG0000010266767			ENSG0000012.589597	-3.43704	3.651011	-0.94139
ENSG00000165981	CAPRIN2	caprin fam	ENSG00000145.60169	-0.87777	0.932813	-0.94099
ENSG00000129125	C11orf21	chromosom	ENSG00000122.01923	-1.21295	1.289053	-0.94096
ENSG00000122984	PDCD11	programm	ENSG00000137.64993	-0.93666	0.99617	-0.94026
ENSG000001595135	PGM5P2	phosphogl	ENSG00000110.02111	-1.74609	1.85785	-0.93984
ENSG0000013930	LBR	lamin B rec	ENSG00000135.94495	0.927164	0.986865	0.939505
ENSG0000019424	KCNK6	potassium	ENSG00000115.34652	1.288649	1.371905	0.939313
ENSG0000014552	MTRR	5-methylte	ENSG00000127.12009	-1.07777	1.147636	-0.93912
ENSG0000016157	RPL27A	ribosomal	ENSG000001238.3348	0.56427	0.601094	0.938739
ENSG00000184937	ZNRF1	zinc and rir	ENSG00000110.12168	-1.75906	1.87387	-0.93873
ENSG000001653	BMP5	bone morp	ENSG0000016.697564	-2.21542	2.360456	-0.93856
ENSG00000155974	SLC50A1	solute carr	ENSG0000019.804797	1.562085	1.664727	0.938344
ENSG000001653464	SRGAP2C	SLIT-ROBO	ENSG00000110.15058	-1.7733	1.890664	-0.93792
ENSG00000154332	GDAP1	ganglioside	ENSG0000018.471221	1.666711	1.777226	0.937816
ENSG000001644135	LOC644135	uncharacter	ENSG0000016.658591	-2.21051	2.357232	-0.93776
ENSG000001163081	ZNF567	zinc finger	ENSG0000016.658591	-2.21051	2.357232	-0.93776
ENSG000001539	ATP5PO	ATP syntha	ENSG00000159.50112	0.761798	0.812588	0.937496

ENSG00000155268	ECHDC2	enoyl-CoA	ENSG00000177.98298	-0.71653	0.764467	-0.9373
ENSG00000180210	ARMC9	armadillo r	ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG0000010249019			ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG0000010248152			ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG000001345062	PRSS48	serine prot	ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG0000010181997			ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG0000010254428			ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG0000010232587			ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG000001162494	RHBDL3	rhomboid l	ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG0000010230568			ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG000001140711	TLDC2	TBC/LysM-	ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG0000010279155			ENSG0000012.612222	-3.45635	3.687709	-0.93726
ENSG00000156259	CTNBL1	catenin be	ENSG00000121.65592	-1.18894	1.268844	-0.93703
ENSG0000011186	CLCN7	chloride vc	ENSG00000116.32123	-1.40559	1.50014	-0.93697
ENSG00000154494	C11orf71	chromosom	ENSG0000014.677913	2.188886	2.336908	0.936659
ENSG0000015452	POU2F2	POU class 2	ENSG0000014.677913	2.188886	2.336908	0.936659
ENSG00000150808	AK3	adenylate l	ENSG000001170.5902	0.573688	0.612797	0.93618
ENSG00000155544	RBM38	RNA bindin	ENSG00000121.1736	1.129293	1.206417	0.936072
ENSG000001858	CAV2	caveolin 2	ENSG000001178.8644	0.586735	0.627218	0.935457
ENSG0000019747	TCAF1	TRPM8 cha	ENSG00000140.2959	-0.91667	0.979961	-0.93541
ENSG0000019669	EIF5B	eukaryotic	ENSG000001154.4833	-0.59864	0.640037	-0.93532
ENSG00000155692	LUC7L	LUC7 like	ENSG00000127.03587	-1.07162	1.145905	-0.93517
ENSG000001148413	MRPL20-A	MRPL20 ar	ENSG00000110.06008	-1.74955	1.870874	-0.93515
ENSG0000017439	BEST1	bestrophin	ENSG00000111.19997	1.467023	1.568782	0.935135
ENSG0000015069	PAPPA	pappalysin	ENSG00000113.09826	-1.51877	1.624432	-0.93496
ENSG000001285527	FRYL	FRY like tra	ENSG000001173.4486	-0.57733	0.617599	-0.9348
ENSG000001102723897	WASH9P	WAS prote	ENSG0000013.490158	2.528578	2.706114	0.934395
ENSG000001100151683	RNU4ATAC	RNA, U4at	ENSG0000013.490158	2.528578	2.706114	0.934395
ENSG0000016571	SLC18A2	solute carr	ENSG0000013.490158	2.528578	2.706114	0.934395
ENSG000001440823	MIAT	myocardial	ENSG0000013.490158	2.528578	2.706114	0.934395
ENSG00000157595	PDZD4	PDZ domai	ENSG0000013.490158	2.528578	2.706114	0.934395
ENSG0000019862	MED24	mediator c	ENSG00000142.69926	-0.88501	0.947278	-0.93427
ENSG00000192715	DPH7	diphthamir	ENSG00000113.05301	-1.5093	1.615797	-0.93409
ENSG00000189782	LMLN	leishmanol	ENSG00000113.76956	-1.59331	1.705882	-0.93401
ENSG00000180851	SH3BP5L	SH3 bindin	ENSG00000128.73276	0.986859	1.05683	0.933791
ENSG000001200734	SPRED2	sprouty rel	ENSG00000129.6919	-1.02707	1.100214	-0.93352
ENSG0000014692	NDN	necdin, M	ENSG00000122.7146	1.08906	1.167466	0.932841
ENSG000001116151	FAM210B	family with	ENSG00000198.0235	0.678516	0.727423	0.932766
ENSG000001284802	FRG1BP	FSHD regio	ENSG00000111.03152	1.531346	1.642142	0.93253
ENSG00000154929	TMEM161	transmembr	ENSG0000016.635966	-2.20161	2.361774	-0.93218
ENSG0000017373	COL14A1	collagen ty	ENSG00000147.24718	-0.94828	1.017859	-0.93165
ENSG0000015315	PKM	pyruvate ki	ENSG000001853.9044	0.466638	0.501436	0.930604
ENSG00000164854	USP46	ubiquitin s	ENSG00000185.70182	0.697242	0.749371	0.930436
ENSG0000014043	LRPAP1	LDL recept	ENSG000001116.6401	0.620165	0.666583	0.930363
ENSG00000192235	DUSP27	dual specif	ENSG000001187.2307	0.575996	0.619418	0.9299
ENSG00000183637	ZMIZ2	zinc finger	ENSG00000147.70962	-0.8441	0.907802	-0.92983
ENSG00000151559	NT5DC3	5'-nucleoti	ENSG00000126.64745	1.077375	1.159166	0.929439

ENSG0000012936	GSR	glutathione	ENSG0000012936	63.97201	0.754242	0.81165	0.929269
ENSG0000019818	NUP58	nucleoporin	ENSG0000019818	50.28143	-0.82805	0.891547	-0.92878
ENSG0000011176	BAZ2A	bromodomain	ENSG0000011176	121.9587	-0.62336	0.67143	-0.9284
ENSG0000019324	HMG3	high mobility group	ENSG0000019324	79.72892	0.702262	0.756556	0.928235
ENSG00000179683	ZDHHC14	zinc finger	ENSG00000179683	6.596993	-2.19666	2.366975	-0.92805
ENSG00000122837	COBLL1	cordon-bleu	ENSG00000122837	62.77339	-0.76199	0.821439	-0.92763
ENSG0000019852	EPM2AIP1	EPM2A interacting	ENSG0000019852	81.79787	0.680143	0.733252	0.927571
ENSG00000151510	CHMP5	charged multimer	ENSG00000151510	47.21842	0.815492	0.879192	0.927548
ENSG00000154496	PRMT7	protein arginine	ENSG00000154496	21.58805	-1.18014	1.272515	-0.92741
ENSG0000018284	KDM5D	lysine demethylase	ENSG0000018284	83.44335	-0.71593	0.772212	-0.92712
ENSG00000110430	TMEM147	transmembrane	ENSG00000110430	19.70049	1.155075	1.245882	0.927114
ENSG000001165215	FAM171B	family with	ENSG000001165215	10.00476	-1.7486	1.886737	-0.92678
ENSG00000110100	TSPAN2	tetraspanin	ENSG00000110100	8.532819	1.64357	1.774049	0.926451
ENSG0000017625	ZNF74	zinc finger	ENSG0000017625	8.448596	1.689626	1.823925	0.926368
ENSG00000155003	PAK1IP1	PAK1 interacting	ENSG00000155003	16.82592	1.230009	1.327784	0.926362
ENSG00000179701	OGFOD3	2-oxoglutarate	ENSG00000179701	13.03666	-1.5113	1.631668	-0.92623
ENSG0000011577	CYP3A5	cytochrome	ENSG0000011577	9.89791	-1.72695	1.865318	-0.92582
ENSG0000017554	ZNF8	zinc finger	ENSG0000017554	21.48747	-1.17364	1.267872	-0.92568
ENSG000001824	CAPN2	calpain 2	ENSG000001824	156.1952	-0.58873	0.636064	-0.92559
ENSG00000180351	TNKS2	tankyrase 2	ENSG00000180351	62.71179	-0.76025	0.821711	-0.9252
ENSG00000191966	CXorf40A	chromosome	ENSG00000191966	14.05192	1.322269	1.429304	0.925114
ENSG00000111285	B4GALT7	beta-1,4-galactosyl	ENSG00000111285	6.574368	-2.18768	2.365031	-0.92501
ENSG00000129941	PKN3	protein kinase	ENSG00000129941	6.574368	-2.18768	2.365031	-0.92501
ENSG000001158056	MAMDC4	MAM domain	ENSG000001158056	6.574368	-2.18768	2.365031	-0.92501
ENSG00000157731	SPTBN4	spectrin beta	ENSG00000157731	6.574368	-2.18768	2.365031	-0.92501
ENSG000001219402	MTIF3	mitochondrial	ENSG000001219402	53.52821	0.775986	0.838901	0.925003
ENSG0000019414	TJP2	tight junction	ENSG0000019414	43.00098	-0.89563	0.968412	-0.92484
ENSG00000151444	RNF138	ring finger	ENSG00000151444	18.40588	1.170284	1.265507	0.924756
ENSG0000016018	RLF	rearranged	ENSG0000016018	56.57123	0.764029	0.826325	0.92461
ENSG000001529	ATP6V1E1	ATPase H+	ENSG000001529	112.3626	0.651242	0.704476	0.924435
ENSG0000016339	SCNN1D	sodium channel	ENSG0000016339	2.527999	-3.40441	3.682775	-0.92441
ENSG00000151188	SS18L2	SS18 like 2	ENSG00000151188	2.527999	-3.40441	3.682775	-0.92441
ENSG00000155096	EBLN2	endogenous	ENSG00000155096	2.527999	-3.40441	3.682775	-0.92441
ENSG000001134549	SHROOM1	shroom family	ENSG000001134549	2.527999	-3.40441	3.682775	-0.92441
ENSG0000012178	FANCE	FA complex	ENSG0000012178	2.527999	-3.40441	3.682775	-0.92441
ENSG000001101927211	ZNF451-AS	ZNF451 repeat	ENSG000001101927211	2.527999	-3.40441	3.682775	-0.92441
ENSG0000010273230			ENSG0000010273230	2.527999	-3.40441	3.682775	-0.92441
ENSG0000010275325			ENSG0000010275325	2.527999	-3.40441	3.682775	-0.92441
ENSG000001440295	GOLGA6L9	golgin A6 family	ENSG000001440295	2.527999	-3.40441	3.682775	-0.92441
ENSG00000184219	WDR24	WD repeat	ENSG00000184219	2.527999	-3.40441	3.682775	-0.92441
ENSG000001126272	EID2B	EP300 interacting	ENSG000001126272	2.527999	-3.40441	3.682775	-0.92441
ENSG00000155267	PRR34	PRR34 long	ENSG00000155267	2.527999	-3.40441	3.682775	-0.92441
ENSG00000160401	EDA2R	ectodysplasia	ENSG00000160401	2.527999	-3.40441	3.682775	-0.92441
ENSG0000019847	C2CD5	C2 calcium	ENSG0000019847	46.9783	0.825122	0.892625	0.924377
ENSG000001387338	NSUN4	NOP2/Sun	ENSG000001387338	24.18876	-1.11069	1.201556	-0.92437
ENSG0000011635	DCTD	dCMP deaminase	ENSG0000011635	24.18876	-1.11069	1.201556	-0.92437
ENSG00000180311	KLHL15	kelch like family	ENSG00000180311	21.52645	-1.17541	1.27164	-0.92433

ENSG0000012068	ERCC2	ERCC excis	ENSG000001265674	1.379235	1.492523	0.924096
ENSG00000150999	TMED5	transmembr	ENSG00000170.82612	0.707843	0.766037	0.924033
ENSG00000157466	SCAF4	SR-related	ENSG00000139.93638	-0.89822	0.97213	-0.92397
ENSG000001220441	RNF152	ring finger	ENSG00000150.60577	-0.83846	0.907461	-0.92397
ENSG00000127445	PCLO	piccolo pre	ENSG00000121.87341	-1.20089	1.299861	-0.92386
ENSG00000180013	MINDY3	MINDY lysi	ENSG00000134.95833	0.903369	0.978052	0.923641
ENSG00000154756	IL17RD	interleukin	ENSG00000114.07454	1.311313	1.420103	0.923392
ENSG000001144811	LACC1	laccase dor	ENSG00000112.57252	1.406201	1.523109	0.923243
ENSG000001159195	USP54	ubiquitin s	ENSG00000168.1634	-0.75165	0.814185	-0.92319
ENSG000001166336	PRICKLE2	prickle plar	ENSG00000119.02251	-1.28429	1.391246	-0.92312
ENSG00000157150	SMIM8	small integ	ENSG00000115.87749	-1.35198	1.464911	-0.92291
ENSG0000019215	LARGE1	LARGE xylc	ENSG000001170.9422	-0.57775	0.626165	-0.92268
ENSG0000015591	PRKDC	protein kin	ENSG000001298.9562	-0.51905	0.562569	-0.92264
ENSG0000016604	SMARCD3	SWI/SNF re	ENSG00000131.89897	0.934823	1.013497	0.922373
ENSG00000129028	ATAD2	ATPase fan	ENSG00000164.4126	-0.81309	0.881527	-0.92236
ENSG0000015127	CDK16	cyclin depe	ENSG000001100.3084	-0.66447	0.720478	-0.92226
ENSG0000011407	CRY1	cryptochro	ENSG00000115.94536	-1.36375	1.478904	-0.92214
ENSG0000015531	PPP4C	protein ph	ENSG00000115.53131	1.254928	1.361143	0.921966
ENSG000001506	ATP5F1B	ATP syntha	ENSG0000011337.386	0.475329	0.515627	0.921847
ENSG00000123552	CDK20	cyclin depe	ENSG0000013.551756	2.452498	2.660848	0.921698
ENSG000001260329			ENSG0000013.551756	2.452498	2.660848	0.921698
ENSG000001122616	CLBA1	clathrin bir	ENSG0000013.551756	2.452498	2.660848	0.921698
ENSG00000151203	NUSAP1	nucleolar a	ENSG0000013.551756	2.452498	2.660848	0.921698
ENSG00000180055	PGAP1	post-GPI at	ENSG00000129.70825	-1.02633	1.113687	-0.92156
ENSG00000153339	BTBD1	BTB domai	ENSG000001159.8557	0.62442	0.677901	0.921107
ENSG0000012131	EXT1	exostosin g	ENSG00000126.82845	-1.05775	1.148368	-0.92109
ENSG0000016205	RPS11	ribosomal	ENSG000001328.9059	0.526248	0.571491	0.920833
ENSG00000123138	N4BP3	NEDD4 bin	ENSG0000016.674939	-2.20683	2.396864	-0.92072
ENSG00000156172	ANKH	ANKH inor	ENSG000001151.4288	-0.59302	0.644563	-0.92004
ENSG00000192259	MRPS36	mitochond	ENSG00000131.93794	0.933572	1.01472	0.92003
ENSG000001647087	STMP1	short trans	ENSG00000139.62029	0.859833	0.93462	0.919982
ENSG0000013117	HLA-DQA1	major histc	ENSG0000016.622237	2.108662	2.292312	0.919885
ENSG00000126585	GREM1	gremlin 1,	ENSG0000012.903864	-3.61088	3.927242	-0.91944
ENSG000001386757	SLC6A10P	solute carr	ENSG0000012.903864	-3.61088	3.927242	-0.91944
ENSG000001132160	PPM1M	protein ph	ENSG00000116.90386	1.226619	1.335001	0.918815
ENSG000001283232	TMEM80	transmembr	ENSG0000016.703842	-2.22741	2.424236	-0.91881
ENSG000001643155	SMIM15	small integ	ENSG00000118.46748	1.161166	1.264316	0.918415
ENSG000001272918			ENSG0000015.888293	1.956651	2.132027	0.917742
ENSG000001653390	RRN3P2	RRN3 hom	ENSG0000015.888293	1.956651	2.132027	0.917742
ENSG00000190592	ZNF700	zinc finger	ENSG00000121.24148	1.11048	1.210386	0.91746
ENSG00000126207	PITPNC1	phosphatic	ENSG00000127.13016	-1.0738	1.17046	-0.91741
ENSG000001267034			ENSG0000012.566972	-3.41752	3.725877	-0.91724
ENSG000001205940			ENSG0000012.566972	-3.41752	3.725877	-0.91724
ENSG000001100506658	OCLN	occludin	ENSG0000012.566972	-3.41752	3.725877	-0.91724
ENSG000001261606			ENSG0000012.566972	-3.41752	3.725877	-0.91724
ENSG000001125704	DIPK1C	divergent p	ENSG0000012.566972	-3.41752	3.725877	-0.91724
ENSG00000111200	CHEK2	checkpoint	ENSG0000012.566972	-3.41752	3.725877	-0.91724

ENSG000001239407			ENSG000001256972	-3.41752	3.725877	-0.91724
ENSG00000155800	SCN3B	sodium vol	ENSG000001651277	-2.17362	2.370242	-0.91705
ENSG00000128987	NOB1	NIN1 (RPN	ENSG000001651277	-2.17362	2.370242	-0.91705
ENSG00000151157	ZNF580	zinc finger	ENSG000001651277	-2.17362	2.370242	-0.91705
ENSG00000151463	GPR89B	G protein-c	ENSG000001262857	-3.45038	3.762945	-0.91694
ENSG000001442523	DPY19L2P4	DPY19L2 p	ENSG000001262857	-3.45038	3.762945	-0.91694
ENSG0000018309	ACOX2	acyl-CoA o	ENSG0000011880254	-1.2561	1.369955	-0.91689
ENSG0000016993	DYNLT1	dynein ligh	ENSG0000013345631	0.918882	1.002341	0.916736
ENSG000001100506736	SLFN12L	schlafen fa	ENSG0000015949891	1.91979	2.094516	0.916579
ENSG0000018877	SPHK1	sphingosin	ENSG0000015949891	1.91979	2.094516	0.916579
ENSG00000155193	PBRM1	polybromo	ENSG0000011167924	-0.62612	0.683228	-0.91642
ENSG00000127175	TUBG2	tubulin gar	ENSG0000011286821	-1.48671	1.623198	-0.91591
ENSG000001114785	MBD6	methyl-Cp	ENSG0000013229889	-0.99245	1.084177	-0.91539
ENSG000001219902	TMEM136	transmeml	ENSG0000011874094	-1.25069	1.367294	-0.91472
ENSG0000019394	HS6ST1	heparan su	ENSG0000013477013	-0.95265	1.041652	-0.91456
ENSG00000110651	MTX2	metaxin 2	ENSG0000012294464	1.05609	1.154821	0.914505
ENSG000001151525	WDSUB1	WD repeat	ENSG0000019858937	-1.72341	1.885026	-0.91427
ENSG00000154704	PDP1	pyruvate d	ENSG0000011299372	0.593998	0.649792	0.914136
ENSG000001117178	SSX2IP	SSX family	ENSG000001289628	0.961822	1.052482	0.91386
ENSG000001401548	SNX30	sorting nex	ENSG000001289628	0.961822	1.052482	0.91386
ENSG0000017158	TP53BP1	tumor prot	ENSG0000018299712	-0.70237	0.768638	-0.91378
ENSG0000012799	GNS	glucosamir	ENSG0000012839633	0.512749	0.561132	0.913777
ENSG0000016224	RPS20	ribosomal	ENSG000001275049	0.522419	0.57172	0.913767
ENSG00000110347	ABCA7	ATP bindin	ENSG00000111161	1.468693	1.608215	0.913244
ENSG0000019553	MRPL33	mitochond	ENSG0000016149593	0.737177	0.807209	0.913242
ENSG000001219833	C11orf45	chromosor	ENSG0000016551743	-2.17871	2.386236	-0.91303
ENSG0000015526	PPP2R5B	protein ph	ENSG0000012144222	-1.16773	1.279077	-0.91295
ENSG00000110312	TCIRG1	T cell imm	ENSG0000011128419	1.435731	1.572852	0.91282
ENSG0000017086	TKT	transketol	ENSG0000014425962	0.827745	0.906858	0.912761
ENSG00000126137	ZBTB20	zinc finger	ENSG0000012695062	-0.52396	0.574149	-0.91259
ENSG0000016497	SKI	SKI proto-c	ENSG0000014998979	-0.81693	0.895412	-0.91235
ENSG00000129954	POMT2	protein O-r	ENSG0000011284559	-1.48184	1.624689	-0.91208
ENSG0000018795	TNFRSF10E	TNF recept	ENSG0000013455644	-0.93927	1.02992	-0.91198
ENSG0000017965	AIMP2	aminoacyl	ENSG0000011271834	1.365017	1.49706	0.911798
ENSG0000018743	TNFSF10	TNF superf	ENSG0000015579308	0.798035	0.875397	0.911627
ENSG00000164895	PAPOLG	poly(A) pol	ENSG000001305038	0.940527	1.032105	0.911271
ENSG00000129015	SLC43A3	solute carr	ENSG0000012140953	-1.17004	1.284097	-0.91118
ENSG000001467	ATF3	activating t	ENSG0000012000848	1.113062	1.222136	0.910752
ENSG00000123230	VPS13A	vacuolar pi	ENSG0000012095254	-0.55154	0.605735	-0.91053
ENSG00000191056	AP5B1	adaptor rel	ENSG0000011818212	1.200077	1.318265	0.910346
ENSG00000123378	RRP8	ribosomal	ENSG0000013215307	-0.98404	1.081447	-0.90992
ENSG00000156977	STOX2	storkhead	ENSG0000014510263	-0.85708	0.941993	-0.90986
ENSG0000016747	SSR3	signal sequ	ENSG0000011863485	0.545441	0.599587	0.909695
ENSG00000156912	IFT46	intraflagell	ENSG0000012275357	1.087244	1.195227	0.909655
ENSG00000111232	POLG2	DNA polyn	ENSG0000017260841	1.756035	1.930593	0.909583
ENSG000001115110	TNFRSF14-	TNFRSF14	ENSG0000012505374	-3.38422	3.721336	-0.90941
ENSG000001177173			ENSG0000012505374	-3.38422	3.721336	-0.90941

ENSG00000100223842			ENSG000001002505374	-3.38422	3.721336	-0.90941
ENSG00000100126793	GHRLOS	ghrelin opp	ENSG000001002505374	-3.38422	3.721336	-0.90941
ENSG000001002979	GUCA1B	guanylate c	ENSG000001002505374	-3.38422	3.721336	-0.90941
ENSG0000010054784	ALKBH4	alkB homo	ENSG000001002505374	-3.38422	3.721336	-0.90941
ENSG00000100254595			ENSG000001002505374	-3.38422	3.721336	-0.90941
ENSG00000100259581			ENSG000001002505374	-3.38422	3.721336	-0.90941
ENSG00000100398	ARHGDIG	Rho GDP d	ENSG000001002505374	-3.38422	3.721336	-0.90941
ENSG00000100388228	SBK1	SH3 domai	ENSG000001002505374	-3.38422	3.721336	-0.90941
ENSG0000010055379	LRRC59	leucine ric	ENSG0000010024.19504	-1.11422	1.225292	-0.90935
ENSG000001004126	MANBA	mannosida	ENSG0000010033.62476	0.902607	0.992845	0.909112
ENSG000001007323	UBE2D3	ubiquitin c	ENSG00000100254.0333	0.516015	0.567683	0.908983
ENSG000001004919	ROR1	receptor ty	ENSG0000010023.00624	1.049005	1.15416	0.90889
ENSG0000010079813	EHMT1	euchromat	ENSG0000010037.34822	-0.92477	1.017472	-0.90889
ENSG00000100206932			ENSG000001003.405935	2.723843	2.997794	0.908616
ENSG00000100250981			ENSG000001003.405935	2.723843	2.997794	0.908616
ENSG0000010055363	HEMGN	hemogen	ENSG000001003.405935	2.723843	2.997794	0.908616
ENSG0000010010283	CWC27	CWC27 spl	ENSG0000010018.51717	-1.2324	1.356702	-0.90838
ENSG000001006143	RPL19	ribosomal	ENSG00000100385.3235	0.512667	0.564565	0.908074
ENSG0000010055591	VEZT	vezatin, ad	ENSG0000010077.48288	0.678841	0.747728	0.907871
ENSG000001007005	TEAD3	TEA domai	ENSG0000010037.07293	-0.90949	1.001977	-0.90769
ENSG0000010055809	TRERF1	transcripti	ENSG0000010011.09312	1.51349	1.667698	0.907533
ENSG000001001666	DECR1	2,4-dienoy	ENSG00000100206.5638	0.544019	0.599587	0.907324
ENSG0000010011060	WWP2	WW doma	ENSG0000010041.3687	0.833945	0.91915	0.907301
ENSG000001002202	EFEMP1	EGF contai	ENSG00000100125.1076	-0.67393	0.742937	-0.90712
ENSG000001009961	MVP	major vaul	ENSG0000010056.67808	0.75782	0.835439	0.907093
ENSG000001005087	PBX1	PBX homec	ENSG00000100130.8128	-0.59779	0.659075	-0.90701
ENSG00000100401232	LINC01011	long interg	ENSG000001006.011489	1.883992	2.077511	0.906851
ENSG000001004795	NFKBIL1	NFKB inhib	ENSG000001002.550625	-3.42372	3.775914	-0.90673
ENSG000001008323	FZD6	frizzled cla	ENSG0000010024.18248	-1.10709	1.220988	-0.90672
ENSG00000100523	ATP6V1A	ATPase H+	ENSG0000010050.5757	0.781216	0.861907	0.906382
ENSG000001005228	PGF	placental g	ENSG000001006.473798	-2.16851	2.393239	-0.9061
ENSG000001008535	CBX4	chromobo	ENSG000001006.473798	-2.16851	2.393239	-0.9061
ENSG0000010010681	GNB5	G protein s	ENSG000001009.950618	1.50592	1.662174	0.905994
ENSG0000010010564	ARFGEF2	ADP ribosy	ENSG00000100215.2948	-0.53536	0.590949	-0.90593
ENSG0000010051763	INPP5K	inositol pol	ENSG0000010029.43923	-1.01006	1.115585	-0.90541
ENSG000001006746	SSR2	signal sequ	ENSG0000010067.83463	0.709794	0.784124	0.905207
ENSG0000010010365	KLF2	Kruppel lik	ENSG0000010021.60439	-1.1792	1.3027	-0.9052
ENSG0000010023193	GANAB	glucosidas	ENSG00000100138.2843	-0.59319	0.655429	-0.90504
ENSG00000100149483	CCDC17	coiled-coil	ENSG000001002.466402	-3.37099	3.724755	-0.90502
ENSG00000100235066			ENSG000001002.466402	-3.37099	3.724755	-0.90502
ENSG0000010079843	FAM124B	family with	ENSG000001002.466402	-3.37099	3.724755	-0.90502
ENSG000001005158	PDE6B	phosphodi	ENSG000001002.466402	-3.37099	3.724755	-0.90502
ENSG00000100237238			ENSG000001002.466402	-3.37099	3.724755	-0.90502
ENSG000001003070	HELLS	helicase, ly	ENSG000001002.466402	-3.37099	3.724755	-0.90502
ENSG0000010090141	EFCAB11	EF-hand ca	ENSG000001002.466402	-3.37099	3.724755	-0.90502
ENSG00000100268201			ENSG000001002.466402	-3.37099	3.724755	-0.90502
ENSG00000100272578			ENSG000001002.466402	-3.37099	3.724755	-0.90502

ENSG000001231551			ENSG000001582695	1.995253	2.205436	0.904698
ENSG00000151692	CPSF3	cleavage a	ENSG0000012154947	1.071946	1.185256	0.904401
ENSG00000155113	XKR8	XK related	ENSG0000017283466	1.727695	1.910685	0.904228
ENSG00000111344	TWF2	twinfilin ac	ENSG0000011595543	-1.35684	1.501097	-0.9039
ENSG0000019282	MED14	mediator c	ENSG0000014209963	-0.85936	0.95106	-0.90358
ENSG00000110516	FBLN5	fibulin 5	ENSG0000011266736	-0.61557	0.681296	-0.90353
ENSG00000123446	SLC44A1	solute carr	ENSG0000019347611	0.639099	0.707533	0.903279
ENSG00000110217	CTDSPL	CTD small j	ENSG0000018397747	0.658558	0.729099	0.903249
ENSG0000011267	CNP	2',3'-cyclic	ENSG0000013181618	-0.96306	1.066814	-0.90274
ENSG00000151719	CAB39	calcium bir	ENSG0000011382582	0.580234	0.643119	0.90222
ENSG0000013913	LAMB2	laminin sul	ENSG0000014812025	-0.47441	0.525848	-0.90218
ENSG00000179848	CSPP1	centrosom	ENSG0000012917649	-0.99659	1.105485	-0.9015
ENSG00000123473	CAPN7	calpain 7	ENSG0000015006774	-0.81879	0.90831	-0.90144
ENSG000001388531	RGS9BP	regulator c	ENSG0000016428547	-2.15019	2.385306	-0.90143
ENSG0000016152	RPL24	ribosomal j	ENSG0000012066857	0.540705	0.59988	0.901355
ENSG000001101927186	ADGRL3-A	adhesion G	ENSG0000019690491	-1.69143	1.87717	-0.90106
ENSG0000012619	GAS1	growth arr	ENSG0000011583224	-1.34417	1.491866	-0.901
ENSG0000017757	ZNF208	zinc finger	ENSG0000011871831	-1.24745	1.384556	-0.90097
ENSG0000011312	COMT	catechol-O	ENSG0000012119583	-1.14857	1.275463	-0.90051
ENSG000001126	ADH1C	alcohol de	ENSG0000016642244	-2.21338	2.458015	-0.90048
ENSG0000014647	MYO7A	myosin VII	ENSG0000011697174	1.201541	1.334431	0.900414
ENSG000001952	CD38	CD38 mole	ENSG0000012212229	-1.23082	1.36732	-0.90017
ENSG00000123085	ERC1	ELKS/RAB6	ENSG0000011600981	-0.57188	0.635485	-0.89992
ENSG000001404636	FAM45A	family with	ENSG0000012161107	1.064377	1.183779	0.899135
ENSG00000155803	ADAP2	ArfGAP wit	ENSG000001110378	1.503092	1.671808	0.899082
ENSG000001158219	TTC39B	tetratricop	ENSG0000011422036	1.275944	1.41917	0.899078
ENSG0000013005	H1FO	H1 histone	ENSG0000014960386	-0.80429	0.89483	-0.89882
ENSG00000126145	IRF2BP1	interferon	ENSG0000016389575	-2.1451	2.386869	-0.89871
ENSG00000179180	EFHD2	EF-hand dc	ENSG0000011709493	1.181549	1.314993	0.898521
ENSG000001647286	RD3L	retinal deg	ENSG0000011138476	1.41809	1.578321	0.89848
ENSG0000019913	SUPT7L	SPT7 like, S	ENSG0000013945995	-0.87624	0.975611	-0.89814
ENSG00000179983	POF1B	POF1B, act	ENSG0000016933886	-2.28263	2.541576	-0.89812
ENSG0000015154	PDGFA	platelet de	ENSG0000012552129	1.061058	1.181839	0.897802
ENSG00000165260	COA7	cytochrom	ENSG000001184166	-1.22493	1.364773	-0.89753
ENSG000001230084			ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG000001236197			ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG000001253227			ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG000001256672			ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG00000179070	KDEL1	KDEL motif	ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG000001279026			ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG000001400456	LINC01197	long interg	ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG000001228274			ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG000001139735	ZFP92	ZFP92 zinc	ENSG0000012443776	-3.35027	3.732826	-0.89752
ENSG00000184886	C1orf198	chromosor	ENSG0000015967361	-0.75332	0.839428	-0.89742
ENSG00000110493	VAT1	vesicle ami	ENSG0000016985022	-0.72114	0.803652	-0.89733
ENSG00000156947	MFF	mitochond	ENSG0000016820422	0.69652	0.776512	0.896986
ENSG00000125903	OLFML2B	olfactomec	ENSG0000017345064	1.700319	1.895766	0.896903



ENSG00000181794	ADAMTS1C	ADAM met	ENSG0000017345064	1.700319	1.895766	0.896903
ENSG0000019667	SAFB2	scaffold at	ENSG00000147.04839	-0.81874	0.913193	-0.89656
ENSG0000014189	DNAJB9	DnaJ heat s	ENSG00000150.73159	0.777308	0.867126	0.896419
ENSG00000165062	TMEM237	transmembr	ENSG00000119.66151	1.157336	1.291638	0.896022
ENSG0000012771	GNAI2	G protein s	ENSG000001140.1034	0.573008	0.639645	0.895822
ENSG0000014090	SMAD5	SMAD fam	ENSG00000198.81367	-0.63746	0.711687	-0.8957
ENSG00000183606	GUCD1	guanylyl cy	ENSG000001212.0909	-0.55138	0.615755	-0.89546
ENSG0000013488	IGFBP5	insulin like	ENSG000001443.4468	-0.50363	0.562542	-0.89528
ENSG0000015828	PEX2	peroxisom	ENSG00000138.40991	0.849549	0.948974	0.895229
ENSG0000018495	PPFIBP2	PPFIA bind	ENSG00000123.79655	-1.08234	1.209525	-0.89485
ENSG00000156113	PCDHGA2	protocadhe	ENSG00000118.37135	-1.218	1.361284	-0.89474
ENSG000001901	CCNG2	cyclin G2	ENSG00000125.74127	1.02154	1.141763	0.894704
ENSG0000014947	OAZ2	ornithine d	ENSG00000187.39008	0.644756	0.72077	0.894538
ENSG0000019978	RBX1	ring-box 1	ENSG00000123.15206	1.029392	1.150841	0.894469
ENSG00000179596	RNF219	ring finger	ENSG0000016.366949	-2.13575	2.387817	-0.89444
ENSG00000151196	PLCE1	phospholip	ENSG00000155.57964	-0.81137	0.907235	-0.89433
ENSG0000017461	CLIP2	CAP-Gly dc	ENSG00000112.66079	-1.45882	1.631226	-0.89431
ENSG0000015728	PTEN	phosphata	ENSG000001212.8134	0.524383	0.586498	0.894093
ENSG0000013280	HES1	hes family	ENSG00000115.59212	-1.32438	1.48227	-0.89348
ENSG00000185451	UNK	unkempt f	ENSG00000115.59212	-1.32438	1.48227	-0.89348
ENSG0000018100	IFT88	intraflagell	ENSG00000118.65227	1.134042	1.269457	0.893328
ENSG000001517	ATP5MC2	ATP syntha	ENSG000001146.7991	0.563139	0.630421	0.893274
ENSG00000181669	CCNL2	cyclin L2	ENSG00000162.28688	-0.74919	0.838822	-0.89315
ENSG00000156910	STARD7	StAR relate	ENSG000001319.8948	-0.49405	0.553196	-0.89308
ENSG00000123774	BRD1	bromodorr	ENSG00000123.81917	-1.08501	1.215071	-0.89296
ENSG000001221692	PHACTR1	phosphata	ENSG000001224.2206	-0.5246	0.587624	-0.89275
ENSG00000183607	AMMECR1	AMMECR1	ENSG00000129.0533	-0.98943	1.108297	-0.89275
ENSG0000012635	GBP3	guanylate l	ENSG00000129.23182	0.935937	1.048433	0.892701
ENSG0000019265	CYTH3	cytohesin	ENSG00000152.41578	-0.79779	0.893784	-0.8926
ENSG00000110983	CCNI	cyclin I	ENSG000001351.2242	-0.5174	0.579669	-0.89258
ENSG000001145567	TTC7B	tetratricop	ENSG00000139.35937	-0.87246	0.977478	-0.89256
ENSG0000019782	MATR3	matrin 3	ENSG00000126.41361	-1.0296	1.153539	-0.89256
ENSG00000164333	ARHGAP9	Rho GTPas	ENSG00000115.92575	3.572734	4.002843	0.892549
ENSG00000179731	NARS2	asparaginy	ENSG00000115.71611	1.221781	1.369059	0.892424
ENSG00000155100	WDR70	WD repeat	ENSG00000127.52865	0.970937	1.088569	0.891938
ENSG000001348235	SKA2	spindle anc	ENSG00000130.72756	0.923747	1.035826	0.891797
ENSG000001208	AKT2	AKT serine	ENSG00000184.56074	-0.67594	0.758133	-0.89158
ENSG0000018569	MKNK1	MAP kinas	ENSG00000146.22173	0.789835	0.885887	0.891575
ENSG0000017226	TRPM2	transient r	ENSG00000110.70719	1.608814	1.805344	0.89114
ENSG00000110237	SLC35B1	solute carr	ENSG00000130.77281	0.916115	1.028124	0.891055
ENSG000001145389	SLC38A6	solute carr	ENSG0000016.073087	1.848885	2.075234	0.890929
ENSG000001515	ATP5PB	ATP syntha	ENSG000001294.8156	0.527958	0.593059	0.890228
ENSG0000019655	SOCS5	suppressor	ENSG00000146.90257	-0.8128	0.913089	-0.89016
ENSG00000184061	MAGT1	magnesiun	ENSG000001106.3459	0.617078	0.693362	0.889979
ENSG00000110194	TSHZ1	teashirt zin	ENSG00000141.85324	-0.84917	0.954204	-0.88992
ENSG00000184233	TMEM126	transmembr	ENSG00000127.75242	0.952264	1.070146	0.889845
ENSG0000015442	POLRMT	RNA polym	ENSG00000112.63817	-1.45384	1.634004	-0.88974

ENSG00000126173	INTS1	integrator	ENSG00000136859	23	-0.89682	1.007989	-0.88972
ENSG00000122993	HMGXB3	HMG-box c	ENSG00000139314	12	-0.8692	0.977228	-0.88945
ENSG0000016525	SMTN	smoothelin	ENSG00000172013	47	-0.70492	0.792554	-0.88943
ENSG000001143570	XRRA1	X-ray radiat	ENSG00000118574	33	1.137396	1.279276	0.889094
ENSG000001152926	PPM1K	protein phosphatase	ENSG00000167410	24	-0.47101	0.529971	-0.88875
ENSG000001516	ATP5MC1	ATP synthase	ENSG00000187092	16	0.655019	0.737299	0.888403
ENSG00000157582	KCNT1	potassium channel	ENSG00000165907	16	-2.18458	2.459195	-0.88833
ENSG0000010279133			ENSG00000163279	77	-2.1306	2.398628	-0.88826
ENSG00000179677	SMC6	structural protein	ENSG00000131625	11	-0.95035	1.070072	-0.88812
ENSG0000013077	HFE	homeostatic protein	ENSG00000114320	93	1.262103	1.421359	0.887955
ENSG00000125963	TMEM87A	transmembrane protein	ENSG00000138416	19	0.844942	0.951915	0.887624
ENSG0000010250497			ENSG00000164675	2	-2.15567	2.428632	-0.88761
ENSG00000111273	ATXN2L	ataxin 2 like	ENSG00000154406	79	-0.76966	0.867489	-0.88723
ENSG00000154847	SIDT1	SID1 transmembrane protein	ENSG00000144931	19	2.355044	2.654388	0.887227
ENSG00000111027	LILRA2	leukocyte inhibitory receptor	ENSG00000144931	19	2.355044	2.654388	0.887227
ENSG00000155140	ELP3	elongator complex	ENSG00000146277	05	0.790065	0.890668	0.887048
ENSG0000015986	RFNG	RFNG O-fucosyltransferase	ENSG00000163053	52	-2.12118	2.392417	-0.88663
ENSG000001139324	HDX	highly divergent	ENSG00000163053	52	-2.12118	2.392417	-0.88663
ENSG00000180309	SPHKAP	SPHK1 interacting protein	ENSG00000131831	07	0.489012	0.551558	0.8866
ENSG0000012539	G6PD	glucose-6-phosphate dehydrogenase	ENSG00000197042	26	1.584596	1.788267	0.886107
ENSG00000151108	METTL9	methyltransferase	ENSG00000144803	93	0.791613	0.893376	0.886092
ENSG0000015396	PRRX1	paired related	ENSG00000190400	4	0.641169	0.723642	0.886031
ENSG00000155681	SCYL2	SCY1 like protein	ENSG00000176424	46	0.663738	0.749209	0.885919
ENSG0000010225313			ENSG00000118697	52	1.1195	1.263927	0.885732
ENSG000001114904	C1QTNF6	C1q and TNF	ENSG00000136133	54	2.378659	2.685551	0.885725
ENSG00000155366	LGR4	leucine rich repeat	ENSG00000159310	3	-0.74363	0.839578	-0.88571
ENSG0000019412	MED21	mediator complex	ENSG00000133916	4	0.87732	0.990707	0.885549
ENSG0000017283	TUBG1	tubulin gamma chain	ENSG00000117172	88	1.178055	1.330373	0.885507
ENSG0000012648	KAT2A	lysine acetyltransferase	ENSG00000118248	16	-1.20697	1.363045	-0.88549
ENSG0000017171	TPM4	tropomyosin	ENSG00000123374	14	0.516962	0.583885	0.885384
ENSG0000012767	GNA11	G protein subunit	ENSG00000131563	51	-0.94702	1.069741	-0.88528
ENSG0000014017	LOXL2	lysyl oxidase	ENSG00000197068	39	-1.68878	1.907635	-0.88527
ENSG00000157176	VAR52	valyl-tRNA synthetase	ENSG00000118377	63	-1.22281	1.38137	-0.88521
ENSG000001282973	JAKMIP3	Janus kinase interacting protein	ENSG00000164059	22	-2.14112	2.4198	-0.88483
ENSG00000156474	CTPS2	CTP synthase	ENSG00000112575	67	-1.44606	1.635027	-0.88443
ENSG000001101927179	LOC101927179	uncharacterized	ENSG00000173224	39	1.727499	1.953401	0.884354
ENSG000001285195	SLC9A9	solute carrier	ENSG00000119538	32	1.175133	1.328811	0.884349
ENSG000001115	ADCY9	adenylate cyclase	ENSG00000111305	4	-0.60778	0.687513	-0.88402
ENSG0000017818	DAP3	death associated protein	ENSG00000190358	94	0.646071	0.731264	0.883498
ENSG0000011795	DOCK3	dedicator of cytokinesis	ENSG00000134118	97	-0.9152	1.035887	-0.8835
ENSG00000111006	LILRB4	leukocyte inhibitory receptor	ENSG00000110976	2	1.521089	1.722142	0.883254
ENSG000001100873995	KCND3-AS1	KCND3 antisense	ENSG00000123821	78	-3.31558	3.755416	-0.88288
ENSG000001100996251	LOC100996251	uncharacterized	ENSG00000123821	78	-3.31558	3.755416	-0.88288
ENSG00000164858	DCLRE1B	DNA cross-link repair	ENSG00000123821	78	-3.31558	3.755416	-0.88288
ENSG000001100130691	LOC100130691	uncharacterized	ENSG00000123821	78	-3.31558	3.755416	-0.88288
ENSG00000150853	VILL	villin like	ENSG00000123821	78	-3.31558	3.755416	-0.88288
ENSG000001101927056	LINC02614	long intergenic	ENSG00000123821	78	-3.31558	3.755416	-0.88288

ENSG00000164660	IGF2BP2-A	IGF2BP2 ar	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000250938			ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000387111	LINC00222	long interg	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000254538			ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000250569			ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG000006835	SURF2	surfeit 2	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG0000084858	ZNF503	zinc finger	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000247934			ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000123103	KLHL33	kelch like f	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000101928	LOC101928	uncharacte	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000259276			ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000145820	LINC00924	long interg	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG000004913	NTHL1	nth like DN	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000279129			ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000101954	RNU6-9	RNA, U6 sn	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG00000101927	ZNF529-AS	ZNF529 an	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG000007673	ZNF222	zinc finger	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG000003761	KCNJ4	potassium	ENSG0000012382178	-3.31558	3.755416	-0.88288
ENSG000005167	ENPP1	ectonucleo	ENSG000001954467	-1.66509	1.886082	-0.88283
ENSG00000222255	ATXN7L1	ataxin 7 lik	ENSG000001954467	-1.66509	1.886082	-0.88283
ENSG000005478	PPIA	peptidylpr	ENSG00000174.4869	0.538407	0.609884	0.882803
ENSG000007098	TLR3	toll like rec	ENSG00000111.53059	1.372337	1.554937	0.882567
ENSG0000025948	KBTBD2	kelch repe	ENSG00000171.54331	-0.69343	0.785833	-0.88242
ENSG000004330	MN1	MN1 proto	ENSG00000115.9944	-1.35966	1.541092	-0.88227
ENSG00000100288	NBPF20	NBPF mem	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG0000059352	LGR6	leucine ric	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG00000279862			ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG000006423	SFRP2	secreted fr	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG00000154442	BVES-AS1	BVES antis	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG00000401398	POT1-AS1	POT1 antis	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG000005820	PVT1	Pvt1 oncog	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG00000340385	ZNF517	zinc finger	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG000006712	SPTBN2	spectrin be	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG00000374462	PTPRQ	protein tyr	ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG00000260300			ENSG0000012.404804	-3.33667	3.782282	-0.88218
ENSG0000057555	NLGN2	neuroligin	ENSG00000115.4463	-1.3075	1.482234	-0.88212
ENSG00000284716	RIMKLA	ribosomal	ENSG00000123.6281	-1.06823	1.211037	-0.88208
ENSG00000290	ANPEP	alanyl amir	ENSG00000112.94838	1.2993	1.473284	0.881907
ENSG00000116832	RPL39L	ribosomal	ENSG0000013.42856	2.613027	2.963355	0.88178
ENSG00000279670			ENSG0000013.42856	2.613027	2.963355	0.88178
ENSG00000105371	LOC105371	uncharacte	ENSG0000013.42856	2.613027	2.963355	0.88178
ENSG00000675	BRCA2	BRCA2, DN	ENSG0000017.098673	1.814935	2.058276	0.881774
ENSG0000057724	EPG5	ectopic P-g	ENSG000001103.7826	-0.62908	0.713573	-0.88159
ENSG0000081929	SEH1L	SEH1 like n	ENSG00000121.07891	-1.14308	1.297068	-0.88128
ENSG0000023786	BCL2L13	BCL2 like 1	ENSG000001192.0395	-0.55519	0.630389	-0.88071
ENSG000009550	ATP6V1G1	ATPase H+	ENSG00000161.55125	0.736804	0.837011	0.88028
ENSG000005702	PSMC3	proteasom	ENSG000001102.144	0.609086	0.692015	0.880164

ENSG000001148479	PHF13	PHD finger	ENSG0000016350602	-2.13964	2.432363	-0.87966
ENSG00000164805	P2RY12	purinergic	ENSG0000014823734	2.034417	2.313921	0.879208
ENSG00000184984	CEP19	centrosom	ENSG0000014823734	2.034417	2.313921	0.879208
ENSG000001891	CCNB1	cyclin B1	ENSG0000014823734	2.034417	2.313921	0.879208
ENSG000001186354			ENSG0000014823734	2.034417	2.313921	0.879208
ENSG00000155364	IMPACT	impact RW	ENSG0000012640733	-1.02626	1.167265	-0.8792
ENSG0000018575	PRKRA	protein act	ENSG0000014020357	0.817871	0.930316	0.879132
ENSG0000011400	CRMP1	collapsin r	ENSG0000019583643	-1.66872	1.899799	-0.87837
ENSG00000193611	FBXO44	F-box prote	ENSG0000016243754	-2.10647	2.399153	-0.87801
ENSG000001389114	ZNF662	zinc finger	ENSG0000016243754	-2.10647	2.399153	-0.87801
ENSG0000018732	RNGTT	RNA guany	ENSG0000012477728	0.987345	1.124997	0.877642
ENSG00000151528	JKAMP	JNK1/MAP	ENSG0000012477728	0.987345	1.124997	0.877642
ENSG0000019464	HAND2	heart and r	ENSG0000012886222	-0.97553	1.111868	-0.87738
ENSG00000181579	PLA2G12A	phospholip	ENSG0000017262357	0.698097	0.795825	0.877199
ENSG00000123246	BOP1	block of pr	ENSG0000016266379	-2.11594	2.412648	-0.87702
ENSG0000010269825			ENSG0000016266379	-2.11594	2.412648	-0.87702
ENSG000001382	ARF6	ADP ribosy	ENSG0000015592151	0.727511	0.829822	0.876707
ENSG0000011762	DMWD	DM1 locus,	ENSG0000012641989	-1.03282	1.178252	-0.87657
ENSG0000014673	NAP1L1	nucleosom	ENSG0000012560006	0.497006	0.567159	0.876307
ENSG0000011785	DNM2	dynamain 2	ENSG0000011464584	-0.56266	0.642381	-0.8759
ENSG0000017280	TUBB2A	tubulin bet	ENSG0000016282726	-2.11173	2.411013	-0.87587
ENSG0000010279377			ENSG0000016282726	-2.11173	2.411013	-0.87587
ENSG0000011678	TIMM8A	translocase	ENSG0000016282726	-2.11173	2.411013	-0.87587
ENSG000001100505696	SH3BP5-AS	SH3BP5 an	ENSG0000019483072	-1.65502	1.889653	-0.87583
ENSG00000157533	TBC1D14	TBC1 dom	ENSG0000015285587	0.739435	0.844418	0.875675
ENSG00000110769	PLK2	polo like ki	ENSG0000015078298	-0.85095	0.972244	-0.87524
ENSG00000155012	PPP2R3C	protein ph	ENSG0000011155321	1.358432	1.552218	0.875156
ENSG00000154726	OTUD4	OTU deubi	ENSG0000011016357	-0.63831	0.729739	-0.87471
ENSG00000122928	SEPHS2	selenopho	ENSG000001153847	-1.30103	1.487385	-0.87471
ENSG000001153769	SH3RF2	SH3 domai	ENSG0000011780265	0.533221	0.609657	0.874626
ENSG00000184896	ATAD1	ATPase fan	ENSG0000011167748	0.584831	0.66891	0.874304
ENSG0000016231	RPS26	ribosomal	ENSG0000011105641	0.624444	0.7143	0.874205
ENSG0000016642	SNX1	sorting nex	ENSG0000011391578	-0.5691	0.65105	-0.87413
ENSG0000018667	EIF3H	eukaryotic	ENSG0000011135696	0.588653	0.673471	0.874058
ENSG0000013301	DNAJA1	DnaJ heat s	ENSG0000019744937	0.612425	0.700693	0.874028
ENSG000001376497	SLC27A1	solute carr	ENSG0000013902876	-0.85722	0.981244	-0.8736
ENSG00000184901	NFATC2IP	nuclear fac	ENSG0000013133974	-0.9357	1.071992	-0.87286
ENSG000001144404	TMEM120I	transmembr	ENSG0000011544002	-1.30168	1.491471	-0.87275
ENSG00000153827	FXD5	FXD dom	ENSG0000012779767	0.943668	1.081722	0.872375
ENSG0000015311	PKD2	polycystin	ENSG0000015183498	-0.78118	0.895543	-0.8723
ENSG0000010272356			ENSG0000012696446	-3.50406	4.017554	-0.87219
ENSG00000110527	IPO7	importin 7	ENSG0000012652894	0.498762	0.571976	0.871999
ENSG00000123336	SYNM	synemin	ENSG0000014267599	-0.4721	0.541403	-0.87199
ENSG00000110581	IFITM2	interferon	ENSG0000011273116	0.584012	0.669807	0.87191
ENSG0000015834	PYGB	glycogen p	ENSG0000012715363	0.497761	0.571014	0.871714
ENSG00000123645	PPP1R15A	protein ph	ENSG000001909273	-0.63891	0.733018	-0.87162
ENSG0000011069	CETN2	centrin 2	ENSG0000012031646	1.072099	1.230658	0.871159

ENSG0000010417	SPON2	spondin 2	ENSG0000010417	8.717613	1.575195	1.808273	0.871105
ENSG0000011454	CSNK1E	casein kina	ENSG0000011454	73.68394	-0.67772	0.778548	-0.8705
ENSG0000015111	PCNA	proliferatir	ENSG0000015111	14.42778	1.229615	1.412737	0.870377
ENSG00000154822	TRPM7	transient r	ENSG00000154822	206.8696	-0.60111	0.690785	-0.87019
ENSG0000013991	LIPE	lipase E, hc	ENSG0000013991	6.221128	-2.09687	2.410757	-0.8698
ENSG0000012117	ETV3	ETS variant	ENSG0000012117	38.96716	-0.85448	0.982741	-0.86949
ENSG0000019053	MAP7	microtubul	ENSG0000019053	4.801109	2.087553	2.401411	0.869303
ENSG000001285908	LINC00174	long interg	ENSG000001285908	7.46826	1.646803	1.89494	0.869053
ENSG00000110971	YWHAQ	tyrosine 3-	ENSG00000110971	133.4982	0.58148	0.669216	0.868896
ENSG0000013625	INHBB	inhibin sub	ENSG0000013625	9.460447	-1.64847	1.897206	-0.86889
ENSG00000157697	FANCM	FA comple	ENSG00000157697	9.528322	-1.66779	1.919474	-0.86888
ENSG0000015122	PCSK1	proprotein	ENSG0000015122	6.182156	-2.09161	2.408142	-0.86856
ENSG00000153635	PTOV1	prostate tu	ENSG00000153635	12.81289	-1.48518	1.710434	-0.8683
ENSG0000016749	SSRP1	structure s	ENSG0000016749	56.37897	-0.73961	0.851924	-0.86817
ENSG0000014154	MBNL1	muscleblin	ENSG0000014154	381.5611	0.466782	0.537708	0.868096
ENSG0000014771	NF2	neurofibro	ENSG0000014771	82.24539	-0.68461	0.788645	-0.86809
ENSG0000017704	ZBTB16	zinc finger	ENSG0000017704	187.5958	-0.53775	0.619694	-0.86777
ENSG00000184461	NEURL4	neuralized	ENSG00000184461	18.04074	-1.18671	1.368321	-0.86727
ENSG0000015523	PPP2R3A	protein ph	ENSG0000015523	156.289	0.559758	0.645426	0.867269
ENSG000001140775	SMCR8	Smith-Mag	ENSG000001140775	56.35635	-0.73848	0.851578	-0.86719
ENSG00000111040	PIM2	Pim-2 prot	ENSG00000111040	12.5172	1.398603	1.612896	0.867138
ENSG00000156097	PCDHGC5	protocadh	ENSG00000156097	9.612545	-1.68385	1.941887	-0.86712
ENSG00000154862	CC2D1A	coiled-coil	ENSG00000154862	20.74202	-1.1114	1.282411	-0.86665
ENSG000001191	AHCY	adenosylh	ENSG000001191	46.82842	-0.80702	0.931392	-0.86647
ENSG0000011616	DAXX	death dom	ENSG0000011616	23.42068	-1.05232	1.21478	-0.86626
ENSG0000017486	WRN	Werner syr	ENSG0000017486	12.58285	-1.45291	1.6773	-0.86622
ENSG00000123266	ADGRL2	adhesion G	ENSG00000123266	144.2436	-0.56684	0.654387	-0.86622
ENSG00000183756	TAS1R3	taste 1 rec	ENSG00000183756	2.320581	-3.28005	3.78802	-0.8659
ENSG000001339524	LINC01140	long interg	ENSG000001339524	2.320581	-3.28005	3.78802	-0.8659
ENSG000001253042			ENSG000001253042	2.320581	-3.28005	3.78802	-0.8659
ENSG000001237892			ENSG000001237892	2.320581	-3.28005	3.78802	-0.8659
ENSG00000125845	PP7080	uncharacte	ENSG00000125845	2.320581	-3.28005	3.78802	-0.8659
ENSG000001250853			ENSG000001250853	2.320581	-3.28005	3.78802	-0.8659
ENSG000001728769	SCAMP1-A	SCAMP1 ar	ENSG000001728769	2.320581	-3.28005	3.78802	-0.8659
ENSG000001244055			ENSG000001244055	2.320581	-3.28005	3.78802	-0.8659
ENSG000001113655	MFSD3	major facil	ENSG000001113655	2.320581	-3.28005	3.78802	-0.8659
ENSG000001257022			ENSG000001257022	2.320581	-3.28005	3.78802	-0.8659
ENSG000001221143	EEF1AKMT	EEF1A lysir	ENSG000001221143	2.320581	-3.28005	3.78802	-0.8659
ENSG00000151310	SLC22A17	solute carr	ENSG00000151310	2.320581	-3.28005	3.78802	-0.8659
ENSG0000017023	TFAP4	transcripti	ENSG0000017023	2.320581	-3.28005	3.78802	-0.8659
ENSG000001225442			ENSG000001225442	2.320581	-3.28005	3.78802	-0.8659
ENSG000001279089			ENSG000001279089	2.320581	-3.28005	3.78802	-0.8659
ENSG000001147276	C18orf15	chromosor	ENSG000001147276	2.320581	-3.28005	3.78802	-0.8659
ENSG000001399664	MEX3D	mex-3 RNA	ENSG000001399664	2.320581	-3.28005	3.78802	-0.8659
ENSG000001388552	BLOC1S3	biogenesis	ENSG000001388552	2.320581	-3.28005	3.78802	-0.8659
ENSG000001730	C7	compleme	ENSG000001730	1223.57	-1.67476	1.936676	-0.86476
ENSG0000011676	DFFA	DNA fragm	ENSG0000011676	36.44439	-0.8759	1.012952	-0.8647

ENSG000001139341	FUNDC1	FUN14 dor	ENSG0000011290313	1.322591	1.529811	0.864545
ENSG000001132789	GNPDA2	glucosamir	ENSG0000012078727	-1.11756	1.292767	-0.86447
ENSG00000155824	PAG1	phosphopr	ENSG0000017056861	0.664032	0.76821	0.864389
ENSG00000157515	SERINC1	serine inco	ENSG0000013541851	0.469641	0.543347	0.864348
ENSG000001415116	PIM3	Pim-3 prot	ENSG0000012338171	-1.05067	1.215585	-0.86434
ENSG000001103344931	LOC103344	uncharacte	ENSG0000011259292	-1.44411	1.670972	-0.86423
ENSG00000155219	MACO1	macoilin 1	ENSG0000013119392	-0.9269	1.072585	-0.86417
ENSG00000151318	MRPL35	mitochond	ENSG0000019582651	0.659579	0.763262	0.864158
ENSG00000153	ACP2	acid phosp	ENSG0000012348268	0.989525	1.145104	0.864135
ENSG0000016236	RRAD	RRAD, Ras	ENSG0000014636454	-0.79155	0.916932	-0.86325
ENSG000001100505881	MAGI2-AS	MAGI2 ant	ENSG0000015872702	-0.72451	0.839307	-0.86322
ENSG00000157118	CAMK1D	calcium/ca	ENSG0000012884968	0.981616	1.1374	0.863035
ENSG000001283659	PRTG	protogenin	ENSG0000016159531	-2.08188	2.412383	-0.863
ENSG000001284252	KCTD1	potassium	ENSG0000016159531	-2.08188	2.412383	-0.863
ENSG000001147837	ZNF563	zinc finger	ENSG0000016159531	-2.08188	2.412383	-0.863
ENSG00000163977	PRDM15	PR/SET dor	ENSG0000016159531	-2.08188	2.412383	-0.863
ENSG0000011445	CSK	C-terminal	ENSG0000012196431	1.015386	1.177342	0.862439
ENSG000001257160	RNF214	ring finger	ENSG0000012502367	0.961788	1.115466	0.862229
ENSG00000154432	YIPF1	Yip1 doma	ENSG0000011748714	1.115629	1.294172	0.862041
ENSG0000019141	PDCD5	programm	ENSG0000014051156	0.798929	0.926832	0.862
ENSG000001148581	UBE2U	ubiquitin c	ENSG0000012690168	-3.48414	4.042234	-0.86194
ENSG000001654463	FER1L6	fer-1 like f	ENSG0000012690168	-3.48414	4.042234	-0.86194
ENSG0000012960	GTF2E1	general tra	ENSG0000011167641	1.327975	1.540763	0.861895
ENSG00000111338	U2AF2	U2 small n	ENSG0000014638716	-0.79292	0.920062	-0.86181
ENSG000001147694	ZNF548	zinc finger	ENSG0000012068042	-1.10646	1.284029	-0.86171
ENSG0000012217	FCGRT	Fc fragmer	ENSG0000016329692	0.774536	0.898981	0.861571
ENSG0000011540	CYLD	CYLD lysine	ENSG0000019954475	0.597917	0.694006	0.861545
ENSG000001653082	ZDHHC11B	zinc finger	ENSG0000011353951	-1.5643	1.815959	-0.86142
ENSG0000018899	PRPF4B	pre-mRNA	ENSG0000018553729	-0.63921	0.742279	-0.86114
ENSG0000018218	CLTCL1	clathrin he	ENSG0000012980254	-1.02927	1.195483	-0.86097
ENSG00000184876	ORAI1	ORAI calci	ENSG000001615731	1.779206	2.066695	0.860894
ENSG00000179879	CCDC134	coiled-coil	ENSG000001615731	1.779206	2.066695	0.860894
ENSG0000011355	COX15	cytochrom	ENSG0000014840133	0.748096	0.869179	0.860692
ENSG0000019985	REC8	REC8 meio	ENSG0000016095712	1.813078	2.10725	0.8604
ENSG0000016693	SPN	sialophorir	ENSG0000016095712	1.813078	2.10725	0.8604
ENSG00000179643	CHMP6	charged m	ENSG0000016095712	1.813078	2.10725	0.8604
ENSG000001163059	ZNF433	zinc finger	ENSG0000016095712	1.813078	2.10725	0.8604
ENSG00000155898	UNC45A	unc-45 my	ENSG000001249231	0.969625	1.127413	0.860044
ENSG00000164359	NXN	nucleored	ENSG0000019561018	-1.66254	1.933241	-0.85998
ENSG00000198	ACYP2	acylphosph	ENSG0000012960141	0.903857	1.051201	0.859833
ENSG00000123306	NEMP1	nuclear en	ENSG0000011297101	1.287792	1.498579	0.859342
ENSG000001594	BCKDHB	branched c	ENSG0000014523512	0.767959	0.893681	0.859321
ENSG0000012628	GATM	glycine am	ENSG0000012342696	-1.05612	1.229086	-0.85927
ENSG00000179595	SAP130	Sin3A asso	ENSG0000013137244	-0.93425	1.087402	-0.85915
ENSG0000013824	KLRD1	killer cell l	ENSG0000018863434	1.511692	1.759887	0.858971
ENSG00000153615	MBD3	methyl-Cp	ENSG0000011233018	-1.41451	1.647758	-0.85845
ENSG00000180150	ASRGL1	asparagina	ENSG0000016120558	-2.07658	2.419583	-0.85824

ENSG0000013145	HMBS	hydroxyme	ENSG0000016.120558	-2.07658	2.419583	-0.85824
ENSG000001292	SLC25A5	solute carr	ENSG00000154.54896	0.723641	0.843247	0.85816
ENSG0000014776	NFATC4	nuclear fac	ENSG00000115.19363	-1.27547	1.486672	-0.85794
ENSG00000184067	FAM160A2	family with	ENSG00000123.54428	0.982733	1.145462	0.857936
ENSG00000155742	PARVA	parvin alph	ENSG000001111.9491	-0.5884	0.685911	-0.85784
ENSG00000123433	RHOQ	ras homolc	ENSG000001342.6854	0.47259	0.55104	0.857633
ENSG000001157695	TDRP	testis deve	ENSG0000017.490885	1.62108	1.891032	0.857246
ENSG0000014648	MYO7B	myosin VIII	ENSG0000019.337251	-1.62799	1.899672	-0.85698
ENSG00000165010	SLC26A6	solute carr	ENSG0000019.337251	-1.62799	1.899672	-0.85698
ENSG000001283335	LOC283335	uncharacte	ENSG0000019.337251	-1.62799	1.899672	-0.85698
ENSG0000011306	COL15A1	collagen ty	ENSG000001174.8977	-0.53594	0.625413	-0.85694
ENSG0000013181	HNRNPA2F	heterogen	ENSG000001335.7262	-0.47088	0.549755	-0.85652
ENSG0000015522	PPP2R2C	protein ph	ENSG00000110.32282	-1.78754	2.087018	-0.85651
ENSG0000011388	ATF6B	activating t	ENSG00000128.51526	-0.95588	1.11618	-0.85639
ENSG0000016515	SLC2A3	solute carr	ENSG000001119.1164	-0.57785	0.674778	-0.85635
ENSG00000179616	CCNJL	cyclin J like	ENSG0000018.886059	1.491866	1.742202	0.85631
ENSG0000019912	ARHGAP44	Rho GTPas	ENSG00000112.30755	-1.40937	1.645975	-0.85625
ENSG000001134429	STARD4	StAR relate	ENSG00000117.54874	1.106214	1.291992	0.856208
ENSG0000015253	PHF2	PHD finger	ENSG00000161.72374	-0.72816	0.850704	-0.85595
ENSG00000193134	ZNF561	zinc finger	ENSG00000126.62626	0.931375	1.0882	0.855886
ENSG00000129072	SETD2	SET domain	ENSG000001159.9885	-0.54087	0.632133	-0.85562
ENSG00000164374	SIL1	SIL1 nuclec	ENSG00000116.06935	1.150631	1.345032	0.855467
ENSG00000151248	PDZD11	PDZ domain	ENSG00000116.06935	1.150631	1.345032	0.855467
ENSG0000015550	PREP	prolyl endc	ENSG00000131.08707	-0.91934	1.074774	-0.85538
ENSG0000010276805			ENSG0000016.097933	-2.06676	2.416265	-0.85535
ENSG00000164782	AEN	apoptosis	ENSG0000016.097933	-2.06676	2.416265	-0.85535
ENSG00000155734	ZFP64	ZFP64 zinc	ENSG0000016.097933	-2.06676	2.416265	-0.85535
ENSG00000179896	THNSL1	threonine	ENSG00000110.25861	1.414608	1.654003	0.855263
ENSG0000018775	NAPA	NSF attach	ENSG00000128.16726	0.909936	1.063984	0.855216
ENSG0000019794	MAML1	mastermin	ENSG00000143.93855	-0.81301	0.950824	-0.85505
ENSG0000014294	MAP3K10	mitogen-act	ENSG0000019.437822	-1.64204	1.920787	-0.85488
ENSG0000012132	EXT2	exostosin g	ENSG00000151.42014	-0.76613	0.896199	-0.85486
ENSG00000122900	CARD8	caspase re	ENSG00000167.20753	0.677395	0.79254	0.854714
ENSG000001522	ATP5PF	ATP syntha	ENSG000001105.2135	0.609007	0.712732	0.854468
ENSG00000110980	COPS6	COP9 signa	ENSG00000138.65289	-0.83848	0.981542	-0.85425
ENSG00000126353	HSPB8	heat shock	ENSG000001370.2601	0.542432	0.635002	0.85422
ENSG0000019734	HDAC9	histone de	ENSG00000157.93894	0.700868	0.820681	0.854009
ENSG00000110160	FARP1	FERM, ARH	ENSG00000123.25851	-1.04181	1.220056	-0.85391
ENSG000001152302	CIDECP1	cell death i	ENSG0000016.218907	1.746334	2.045345	0.853809
ENSG00000151225	ABI3	ABI family	ENSG0000016.218907	1.746334	2.045345	0.853809
ENSG000001160760	PPTC7	PTC7 prote	ENSG000001122.806	-0.63422	0.743317	-0.85324
ENSG00000151389	RWDD1	RWD domain	ENSG00000151.39282	0.743413	0.871411	0.853115
ENSG00000183592	AKR1E2	aldo-keto r	ENSG0000016.260101	-2.10266	2.464809	-0.85307
ENSG000001151242	PPP1R1C	protein ph	ENSG00000129.663	0.89855	1.053705	0.852753
ENSG0000015286	PIK3C2A	phosphatic	ENSG000001193.9171	-0.52492	0.615572	-0.85273
ENSG0000013921	RPSA	ribosomal	ENSG000001180.2149	0.522811	0.613208	0.852584
ENSG0000016430	SRSF5	serine and	ENSG000001137.4735	-0.58275	0.683619	-0.85244

ENSG00000163943	FKBP1	FK506 bind	ENSG000001234206	-3.30127	3.872814	-0.85242
ENSG000001000000278952			ENSG000001234206	-3.30127	3.872814	-0.85242
ENSG000001359809	PEG13	paternally	ENSG000001494693	1.943894	2.280649	0.852343
ENSG000001100130827	SBK3	SH3 domai	ENSG000001494693	1.943894	2.280649	0.852343
ENSG000001140885	SIRPA	signal regu	ENSG0000015985057	0.740603	0.869056	0.852193
ENSG00000123522	KAT6B	lysine acet	ENSG0000011021974	-0.60044	0.704616	-0.85215
ENSG00000123304	UBR2	ubiquitin p	ENSG0000011547331	0.534418	0.627214	0.85205
ENSG0000012626	GATA4	GATA bind	ENSG0000018765529	-0.62686	0.735715	-0.85204
ENSG00000155749	CCAR1	cell divisio	ENSG0000016340676	-0.69811	0.819467	-0.8519
ENSG0000014704	NDUFA9	NADH:ubic	ENSG000001359728	0.825033	0.96872	0.851673
ENSG0000012045	EPHA7	EPH recept	ENSG0000017552483	1.595432	1.87341	0.851619
ENSG00000110023	FRAT1	FRAT1, W	ENSG0000017552483	1.595432	1.87341	0.851619
ENSG00000183986	FAM234A	family with	ENSG0000012850898	-0.95274	1.119137	-0.85132
ENSG00000125998	IBTK	inhibitor of	ENSG0000011257243	0.556886	0.654211	0.851233
ENSG0000011017	CDK2	cyclin depe	ENSG0000019298278	-1.62434	1.908278	-0.85121
ENSG0000019666	DZIP3	DAZ intera	ENSG000001474359	0.807269	0.948412	0.85118
ENSG000001000000255135			ENSG0000016383297	-2.13278	2.505787	-0.85114
ENSG00000190007	MIDN	midnolin	ENSG00000143618	-0.7969	0.936433	-0.85099
ENSG00000155870	ASH1L	ASH1 like h	ENSG0000013588308	-0.46311	0.544296	-0.85085
ENSG00000126505	CNNM3	cyclin and	ENSG0000011226858	-1.40651	1.653245	-0.85076
ENSG0000019181	ARHGEF2	Rho/Rac g	ENSG0000018857299	0.60998	0.717068	0.850659
ENSG000001862	RUNX1T1	RUNX1 tra	ENSG0000015107697	-0.75111	0.883072	-0.85057
ENSG0000014833	NME4	NME/NM2	ENSG0000012668786	0.92548	1.088111	0.850538
ENSG00000111235	PDCD10	programm	ENSG0000012822886	0.904395	1.063417	0.850462
ENSG00000157505	AARS2	alanyl-tRN	ENSG0000011509306	-1.26648	1.489345	-0.85036
ENSG00000179710	MORC4	MORC fam	ENSG0000011224595	-1.40135	1.648396	-0.85013
ENSG0000018991	SELENBP1	selenium b	ENSG0000016567033	0.68531	0.806141	0.850112
ENSG000001200942	KLHDC8B	kelch dom	ENSG0000015078691	0.776808	0.913854	0.850035
ENSG00000155339	WDR33	WD repeat	ENSG0000017571392	-0.66201	0.778977	-0.84984
ENSG0000013759	KCNJ2	potassium	ENSG0000019979977	0.632735	0.744874	0.849452
ENSG00000151776	MAP3K20	mitogen-ac	ENSG0000017663375	0.436726	0.514145	0.849424
ENSG000001100507098	ADAMTS9	ADAMTS9	ENSG0000011260547	-1.45735	1.715751	-0.8494
ENSG00000126128	KIF1BP	KIF1 bindin	ENSG0000015291119	0.739275	0.870419	0.849332
ENSG0000016251	RSU1	Ras suppre	ENSG0000016757712	0.664099	0.781994	0.849238
ENSG00000184254	CAMKK1	calcium/ca	ENSG0000011034283	1.381197	1.626453	0.849208
ENSG00000125827	FBXL2	F-box and	ENSG0000017529858	1.620404	1.908216	0.849172
ENSG00000123332	CLASP1	cytoplasmic	ENSG0000011956442	-0.51573	0.607372	-0.84912
ENSG00000127247	NFU1	NFU1 iron-	ENSG000001375754	0.809226	0.953193	0.848963
ENSG00000110130	PDIA6	protein dis	ENSG0000017891846	0.630105	0.742381	0.848762
ENSG0000017326	UBE2G1	ubiquitin c	ENSG0000017688848	0.650998	0.76706	0.848693
ENSG000001119	ADD2	adducin 2	ENSG0000011228493	-1.40423	1.654638	-0.84866
ENSG00000129904	EEF2K	eukaryotic	ENSG00000192374	-0.61469	0.724347	-0.84862
ENSG00000150	ACO2	aconitase 2	ENSG0000014580121	-0.45886	0.541015	-0.84815
ENSG0000016323	SCN1A	sodium vol	ENSG0000012359553	-3.29465	3.885025	-0.84804
ENSG0000012745	GLRX	glutaredox	ENSG0000015018872	0.729624	0.86048	0.847927
ENSG000001643180	CCT6P3	chaperonir	ENSG000001605896	-2.06137	2.433365	-0.84713
ENSG000001729991	BORCS8	BLOC-1 rel	ENSG000001605896	-2.06137	2.433365	-0.84713



ENSG00000180342	TRAF3IP3	TRAF3 inte	ENSG00000160341	6.034114	1.848548	2.182505	0.846985
ENSG000001400931	MIRLET7B	MIRLET7B	ENSG00000160335	6.036335	-2.05149	2.422421	-0.84687
ENSG000001217	ALDH2	aldehyde d	ENSG000001133.9509	0.545804	0.644506	0.846857	
ENSG0000019528	TMEM59	transmembr	ENSG000001136.955	0.546652	0.645521	0.846839	
ENSG00000151251	NT5C3A	5'-nucleoti	ENSG00000122.1491	0.993597	1.17346	0.846725	
ENSG000001234329			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001225938			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001388951	TSPYL6	TSPY like 6	ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001401014	TEX41	testis expr	ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001272498			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001203644			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001281016			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG00000151301	GCNT4	glucosamir	ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001247627			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG00000126024	PTCD1	pentatricol	ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001256540			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001247373			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001231856			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001261663			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001264012			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001274776			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG00000110012788	SLCO4A1	SLCO4A1 a	ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG000001236285			ENSG0000012.258983	-3.24361	3.831822	-0.84649	
ENSG0000014163	MCC	MCC, WNT	ENSG00000191.12217	-0.64189	0.758314	-0.84646	
ENSG00000110802	SEC24A	SEC24 hom	ENSG00000130.90228	-0.90912	1.075234	-0.84551	
ENSG0000012700	GJA3	gap junctio	ENSG00000128.25148	0.900227	1.064752	0.84548	
ENSG0000015476	CTSA	cathepsin A	ENSG00000172.56969	0.643871	0.761638	0.845377	
ENSG000001100874237	CACNA2D3	CACNA2D3	ENSG0000012.297955	-3.25812	3.854167	-0.84535	
ENSG000001101927862	CTB-178M	uncharacte	ENSG0000012.297955	-3.25812	3.854167	-0.84535	
ENSG000001223459			ENSG0000012.297955	-3.25812	3.854167	-0.84535	
ENSG000001143503	OR51E1	olfactory r	ENSG0000012.297955	-3.25812	3.854167	-0.84535	
ENSG000001274828			ENSG0000012.297955	-3.25812	3.854167	-0.84535	
ENSG000001197322	ACSF3	acyl-CoA s	ENSG00000117.79435	-1.16408	1.377617	-0.845	
ENSG00000151550	CINP	cyclin depe	ENSG00000119.15134	1.051853	1.245588	0.844463	
ENSG00000123020	SNRNP200	small nucle	ENSG000001190.2504	-0.51282	0.60794	-0.84354	
ENSG000001399979	SNX19	sorting nex	ENSG000001172.2128	-0.53406	0.633155	-0.84349	
ENSG00000155748	CNDP2	carnosine c	ENSG00000158.27321	-0.71029	0.842398	-0.84317	
ENSG0000017320	UBE2B	ubiquitin c	ENSG00000166.11184	-0.69405	0.823214	-0.8431	
ENSG0000018609	KLF7	Kruppel lik	ENSG00000175.30915	-0.65036	0.771542	-0.84293	
ENSG000001643226	GRXCR2	glutaredox	ENSG0000015.765097	2.038245	2.418603	0.842737	
ENSG000001151516	ASPRV1	aspartic pe	ENSG0000013.697577	2.224856	2.640299	0.842653	
ENSG00000110272419C	LINC02289	long interg	ENSG0000013.697577	2.224856	2.640299	0.842653	
ENSG0000016229	RPS24	ribosomal	ENSG000001347.1864	0.473181	0.561583	0.842584	
ENSG00000154952	TRNAU1AF	tRNA selen	ENSG00000112.20698	-1.39846	1.659736	-0.84258	
ENSG00000123015	GOLGA8A	golgin A8 f	ENSG00000112.20698	-1.39846	1.659736	-0.84258	
ENSG00000127069	GHITM	growth hor	ENSG000001311.149	0.471148	0.559331	0.842341	
ENSG0000019716	AQR	aquarius in	ENSG00000155.88619	-0.724	0.85961	-0.84225	

ENSG00000125766	PRPF40B	pre-mRNA	ENSG00000125766	9.253028	-1.61093	1.912693	-0.84223
ENSG0000015426	POLE	DNA polyr	ENSG0000015426	26.02767	-1.00655	1.196031	-0.84157
ENSG0000012277	VEGFD	vascular er	ENSG0000012277	12.63189	-1.44756	1.72031	-0.84146
ENSG0000018483	CILP	cartilage in	ENSG0000018483	47.35168	0.812464	0.965657	0.841359
ENSG000001348793	WDR53	WD repeat	ENSG000001348793	6.280505	1.714148	2.037421	0.841332
ENSG000001100033435	SNORD116	small nucle	ENSG000001100033435	6.280505	1.714148	2.037421	0.841332
ENSG0000016891	TAP2	transporte	ENSG0000016891	18.98917	1.070706	1.27313	0.841003
ENSG0000018745	ADAM23	ADAM met	ENSG0000018745	114.2619	-0.58242	0.692615	-0.8409
ENSG00000179844	ZDHHC11	zinc finger	ENSG00000179844	12.69349	-1.45557	1.732184	-0.84031
ENSG0000019600	PITPNM1	phosphatic	ENSG0000019600	17.97286	-1.17617	1.401216	-0.83939
ENSG0000014731	NDUFV3	NADH:ubic	ENSG0000014731	120.1748	0.578403	0.689073	0.839394
ENSG000001337867	UBAC2	UBA doma	ENSG000001337867	39.21696	0.793544	0.945395	0.839378
ENSG0000018883	NAE1	NEDD8 acti	ENSG0000018883	36.07965	0.814662	0.970713	0.839241
ENSG000001414196	CELF2-AS1	CELF2 anti	ENSG000001414196	11.51424	1.361081	1.622198	0.839035
ENSG00000123049	SMG1	SMG1, non	ENSG00000123049	296.605	-0.47164	0.562337	-0.83872
ENSG0000018343	HIST1H2BF	histone clu	ENSG0000018343	6.196282	1.779598	2.121847	0.838702
ENSG00000151141	INSIG2	insulin ind	ENSG00000151141	17.71012	-1.15473	1.376839	-0.83868
ENSG00000110291	SF3A1	splicing fac	ENSG00000110291	94.60513	-0.60711	0.724024	-0.83852
ENSG0000016342	SCP2	sterol carri	ENSG0000016342	98.47391	0.587721	0.701018	0.838382
ENSG00000183591	THAP2	THAP dom	ENSG00000183591	10.32021	1.396702	1.666606	0.838052
ENSG0000019235	IL32	interleukin	ENSG0000019235	19.21293	1.043403	1.245342	0.837844
ENSG000001360023	ZBTB41	zinc finger	ENSG000001360023	35.96796	-0.85169	1.017012	-0.83744
ENSG00000155296	TBC1D19	TBC1 dom	ENSG00000155296	6.01371	-2.0415	2.437985	-0.83737
ENSG00000111262	SP140	SP140 nucl	ENSG00000111262	3.759175	2.16092	2.581156	0.837191
ENSG000001255389			ENSG000001255389	3.759175	2.16092	2.581156	0.837191
ENSG000001283951	C16orf91	chromosor	ENSG000001283951	3.759175	2.16092	2.581156	0.837191
ENSG00000180774	LIMD2	LIM domai	ENSG00000180774	3.759175	2.16092	2.581156	0.837191
ENSG0000017071	KLF10	Kruppel lik	ENSG0000017071	55.71147	-0.71634	0.855647	-0.83719
ENSG00000151495	HACD3	3-hydroxy	ENSG00000151495	23.32639	-1.04984	1.254627	-0.83677
ENSG00000157057	TBX20	T-box 20	ENSG00000157057	71.42391	-0.68825	0.822722	-0.83655
ENSG00000155672	NBPF1	NBPF mem	ENSG00000155672	12.12276	-1.38518	1.655993	-0.83646
ENSG00000123152	CIC	capicua tra	ENSG00000123152	38.34491	-0.82457	0.986318	-0.83601
ENSG0000014651	MYO10	myosin X	ENSG0000014651	25.88185	-0.99613	1.191825	-0.83581
ENSG0000014763	NF1	neurofibro	ENSG0000014763	250.3494	-0.49246	0.589376	-0.83555
ENSG000001373	TRIM23	tripartite n	ENSG000001373	30.75646	-0.90015	1.077322	-0.83555
ENSG00000122823	MTF2	metal resp	ENSG00000122823	17.8396	-1.17112	1.40192	-0.83537
ENSG0000017416	VDAC1	voltage de	ENSG0000017416	375.6323	0.464885	0.55675	0.834998
ENSG000001282057			ENSG000001282057	2.236357	-3.22094	3.857492	-0.83498
ENSG000001677810	SNORA26	small nucle	ENSG000001677810	2.236357	-3.22094	3.857492	-0.83498
ENSG000001107986412	LOC107986412	uncharacte	ENSG000001107986412	2.236357	-3.22094	3.857492	-0.83498
ENSG000001248803			ENSG000001248803	2.236357	-3.22094	3.857492	-0.83498
ENSG000001100133091	LOC100133091	uncharacte	ENSG000001100133091	2.236357	-3.22094	3.857492	-0.83498
ENSG000001259635			ENSG000001259635	2.236357	-3.22094	3.857492	-0.83498
ENSG00000155788	LMBRD1	LMBR1 dor	ENSG00000155788	55.20391	0.695421	0.833022	0.834818
ENSG0000018417	STX7	syntaxin 7	ENSG0000018417	100.3128	0.578258	0.693017	0.834406
ENSG00000110174	SORBS3	sorbin and	ENSG00000110174	43.32636	-0.78398	0.939865	-0.83414
ENSG00000151232	CRIM1	cysteine ric	ENSG00000151232	230.5618	-0.49411	0.592539	-0.83389

ENSG00000123507	LRR8B	leucine ric	ENSG000001210013	-1.37992	1.655495	-0.83354
ENSG00000111321	GPN1	GPN-loop (	ENSG000001210013	-1.37992	1.655495	-0.83354
ENSG0000019724	UTP14C	UTP14C, sr	ENSG0000012562291	-0.97312	1.167608	-0.83343
ENSG00000156478	EIF4ENIF1	eukaryotic	ENSG0000012562291	-0.97312	1.167608	-0.83343
ENSG00000151371	POMP	proteasom	ENSG0000014885514	0.724315	0.869102	0.833406
ENSG0000015782	PTPN12	protein tyr	ENSG0000011080857	0.573201	0.687865	0.833304
ENSG0000016675	UAP1	UDP-N-ace	ENSG0000016049178	-0.69196	0.830686	-0.833
ENSG00000151131	PHF11	PHD finger	ENSG0000012149415	1.070557	1.285197	0.832991
ENSG00000181688	C6orf62	chromosor	ENSG000001113302	0.559628	0.671857	0.832957
ENSG00000110554	AGPAT1	1-acylglyce	ENSG000001222723	0.979209	1.17597	0.832682
ENSG0000016647	SOD1	superoxide	ENSG0000011440304	0.532403	0.639546	0.832471
ENSG0000017318	UBA7	ubiquitin li	ENSG0000012685631	0.904908	1.08798	0.831732
ENSG0000014179	CD46	CD46 mole	ENSG0000011687883	0.508858	0.612047	0.831403
ENSG000001220108	FAM124A	family with	ENSG0000011499249	-1.25731	1.512328	-0.83138
ENSG000001117145	THEM4	thioesteras	ENSG0000012036616	-1.07698	1.295491	-0.83133
ENSG00000126521	TIMM8B	translocase	ENSG0000015455275	0.729668	0.877747	0.831296
ENSG00000151201	ZDHHC2	zinc finger	ENSG0000013104811	0.886418	1.066515	0.831134
ENSG00000110129	FRY	FRY microt	ENSG0000013265978	-0.46036	0.553979	-0.831
ENSG00000151667	NUB1	negative re	ENSG0000016001797	0.673499	0.810759	0.830702
ENSG000001643641	ZNF862	zinc finger	ENSG0000011488564	-1.24214	1.495472	-0.8306
ENSG00000110439	OLFM1	olfactomec	ENSG0000011800804	-1.18912	1.431684	-0.83058
ENSG0000014292	MLH1	mutL homc	ENSG000001568681	0.685919	0.82595	0.83046
ENSG000001390980	ZNF805	zinc finger	ENSG000001176259	-1.1453	1.37923	-0.83039
ENSG0000014057	LTF	lactotransf	ENSG0000012463774	0.99785	1.201694	0.830369
ENSG00000122877	MLXIP	MLX intera	ENSG0000018938108	-0.60691	0.731053	-0.83019
ENSG00000157222	ERGIC1	endoplasm	ENSG0000011411231	0.528365	0.636488	0.830127
ENSG000001649	BMP1	bone morp	ENSG0000019343529	-1.63693	1.971949	-0.83011
ENSG00000151181	DCXR	dicarbonyl	ENSG0000013419169	0.850825	1.025126	0.829972
ENSG000001124936	CYB5D2	cytochrom	ENSG0000011042705	1.348531	1.626028	0.829341
ENSG0000015137	PDE1C	phosphodi	ENSG0000013946122	0.45569	0.549536	0.829228
ENSG0000019690	UBE3C	ubiquitin p	ENSG0000011229992	-0.5572	0.671953	-0.82922
ENSG00000184641	MFSD14B	major facili	ENSG0000014101062	0.764978	0.922671	0.829091
ENSG0000016175	RPLP0	ribosomal	ENSG0000014154464	0.481758	0.581123	0.829012
ENSG0000015706	PSMC6	proteasom	ENSG0000016454417	0.671901	0.810746	0.828745
ENSG00000191608	RASL10B	RAS like fai	ENSG0000012028821	-1.07326	1.295248	-0.82861
ENSG0000012194	FASN	fatty acid s	ENSG000001238707	-1.0928	1.318929	-0.82855
ENSG00000154708	MARCH5	membrane	ENSG0000012849787	0.878321	1.060103	0.828525
ENSG000001171023	ASXL1	ASXL trans	ENSG000001777766	-0.64684	0.780931	-0.82829
ENSG000001400720	ZNF772	zinc finger	ENSG0000012827894	-0.9371	1.131403	-0.82826
ENSG000001283120	H19	H19, imprii	ENSG0000011599593	-1.40895	1.701308	-0.82816
ENSG00000120	ABCA2	ATP bindin	ENSG000001308344	-0.90285	1.090735	-0.82775
ENSG00000155814	BDP1	B double p	ENSG0000011398277	-0.54173	0.654469	-0.82775
ENSG000001115426	UHRF2	ubiquitin li	ENSG000001332566	-0.87113	1.052495	-0.82768
ENSG00000157701	NCKAP5L	NCK associ	ENSG000001332566	-0.87113	1.052495	-0.82768
ENSG0000010279662			ENSG0000011203854	-1.37173	1.657587	-0.82755
ENSG00000179047	KCTD15	potassium	ENSG0000011496359	-1.24704	1.507076	-0.82746
ENSG0000011300	COL10A1	collagen ty	ENSG0000015913139	-2.02045	2.442021	-0.82737

ENSG00000192912	UBE2Q2	ubiquitin c	ENSG00000142.3153	0.776223	0.938465	0.827119
ENSG0000012010	EMD	emerin	ENSG00000117.58693	-1.14321	1.38222	-0.82708
ENSG0000019575	CLOCK	clock circac	ENSG000001106.0537	-0.57625	0.696798	-0.82699
ENSG000001149076	ZNF362	zinc finger	ENSG00000130.77281	-0.8994	1.088894	-0.82597
ENSG00000157688	ZSWIM6	zinc finger	ENSG00000123.89752	0.938964	1.136805	0.825968
ENSG000001126526	C19orf47	chromosor	ENSG00000137.90601	0.786159	0.951877	0.825904
ENSG000001203547	VMA21	VMA21, va	ENSG00000147.32042	0.72703	0.880429	0.825768
ENSG00000180176	SPSB1	splA/ryano	ENSG00000117.5643	-1.13952	1.380333	-0.82554
ENSG0000012639	GCDH	glutaryl-Co	ENSG00000117.5643	-1.13952	1.380333	-0.82554
ENSG0000015780	PTPN9	protein tyr	ENSG00000125.48336	-0.96596	1.171028	-0.82488
ENSG000001286148	DPY19L4	dpy-19 like	ENSG00000154.98642	0.701873	0.850898	0.824862
ENSG000001200132	TCTEX1D1	Tctex1 don	ENSG00000112.08379	-1.38218	1.675991	-0.82469
ENSG0000012035	EPB41	erythrocyt	ENSG00000175.07219	0.663839	0.80518	0.824461
ENSG000001149297	FAM78B	family with	ENSG0000017.591456	1.594062	1.933509	0.82444
ENSG00000165983	GRAMD2B	GRAM don	ENSG00000120.40513	-1.07892	1.308835	-0.82434
ENSG00000156203	LMOD3	leiomodoin	ENSG000001244.6606	0.501692	0.608624	0.824306
ENSG0000012872	MKNK2	MAP kinas	ENSG000001124.9839	-0.54889	0.665894	-0.82429
ENSG000001389337	ARHGEF37	Rho guanir	ENSG00000153.11075	-0.72213	0.876129	-0.82422
ENSG00000150640	PNPLA8	patatin like	ENSG00000160.24173	0.665244	0.807321	0.824014
ENSG00000179744	ZNF419	zinc finger	ENSG0000019.068234	-1.57929	1.91673	-0.82395
ENSG00000178989	COLEC11	collectin su	ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG000001245973	ATP6V1C2	ATPase H+	ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG000001150946	GAREM2	GRB2 assoc	ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG0000010273486			ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG00000179071	ELOVL6	ELOVL fatty	ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG0000013305	HSPA1L	heat shock	ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG0000010273448			ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG000001102723356	ZFPM2-AS	ZFPM2 ant	ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG0000010274925			ENSG0000012.197385	-3.20614	3.891638	-0.82385
ENSG0000012958	GTF2A2	general tra	ENSG00000120.7929	1.004214	1.219067	0.823756
ENSG00000155714	TENM3	teneurin tr	ENSG0000019.168805	-1.59374	1.93477	-0.82374
ENSG00000154829	ASPN	asporin	ENSG00000125.16322	0.95209	1.156549	0.823216
ENSG000001387509	GPR153	G protein-c	ENSG0000015.890514	-2.01019	2.441998	-0.82318
ENSG000001197258	FUK	fucokinase	ENSG0000015.890514	-2.01019	2.441998	-0.82318
ENSG000001166378	SPATA5	spermatog	ENSG00000125.43811	-0.96083	1.167465	-0.823
ENSG000001528	ATP6V1C1	ATPase H+	ENSG00000145.53486	-0.75766	0.920765	-0.82286
ENSG00000155020	TTC38	tetratricop	ENSG00000125.59021	-0.97504	1.185088	-0.82276
ENSG000001155435	RBM33	RNA bindir	ENSG00000184.50647	-0.61664	0.749596	-0.82263
ENSG0000010211892			ENSG0000012.489027	-3.38868	4.120293	-0.82244
ENSG0000010225178			ENSG0000012.489027	-3.38868	4.120293	-0.82244
ENSG00000191408	BTF3L4	basic trans	ENSG00000139.49225	0.771079	0.938171	0.821896
ENSG0000019375	TM9SF2	transmeml	ENSG000001125.1198	0.537868	0.654637	0.821627
ENSG00000110159	ATP6AP2	ATPase H+	ENSG00000153.85399	0.688818	0.838644	0.821348
ENSG00000123390	ZDHHC17	zinc finger	ENSG00000143.06362	-0.77446	0.943011	-0.82126
ENSG00000190233	ZNF551	zinc finger	ENSG00000111.97694	-1.36351	1.660613	-0.82109
ENSG0000011102	RCBTB2	RCC1 and E	ENSG00000122.37915	0.960991	1.170469	0.82103
ENSG0000016801	STRN	striatin	ENSG000001174.1278	0.500093	0.609118	0.821011

ENSG00000126230	TIAM2	T cell lymphoma	ENSG00000126230	14.84667	-1.23966	1.510162	-0.82088
ENSG0000012239	GPC4	glypican 4	ENSG0000012239	12.01591	-1.36643	1.664818	-0.82077
ENSG00000155721	IQCC	IQ motif containing	ENSG00000155721	2.17476	-3.18293	3.878011	-0.82076
ENSG000001100505741	SPATA1	spermatogenesis	ENSG000001100505741	2.17476	-3.18293	3.878011	-0.82076
ENSG000001198857			ENSG000001198857	2.17476	-3.18293	3.878011	-0.82076
ENSG0000014118	MAL	mal, T cell	ENSG0000014118	2.17476	-3.18293	3.878011	-0.82076
ENSG000001129530	LYG1	lysozyme g	ENSG000001129530	2.17476	-3.18293	3.878011	-0.82076
ENSG000001279267			ENSG000001279267	2.17476	-3.18293	3.878011	-0.82076
ENSG000001150737	TTC30B	tetratricopeptide repeat	ENSG000001150737	2.17476	-3.18293	3.878011	-0.82076
ENSG0000014487	MSX1	msh homeobox	ENSG0000014487	2.17476	-3.18293	3.878011	-0.82076
ENSG000001221421	RSPH9	radial spoke	ENSG000001221421	2.17476	-3.18293	3.878011	-0.82076
ENSG000001101927612	RNF139-AS1	RNF139 antisense	ENSG000001101927612	2.17476	-3.18293	3.878011	-0.82076
ENSG000001279233			ENSG000001279233	2.17476	-3.18293	3.878011	-0.82076
ENSG000001229800			ENSG000001229800	2.17476	-3.18293	3.878011	-0.82076
ENSG00000185019	TMEM241	transmembrane	ENSG00000185019	2.17476	-3.18293	3.878011	-0.82076
ENSG000001100101266	HAVCR1P1	hepatitis A virus	ENSG000001100101266	2.17476	-3.18293	3.878011	-0.82076
ENSG00000123354	HAUS5	HAUS augmin	ENSG00000123354	2.17476	-3.18293	3.878011	-0.82076
ENSG000001229539			ENSG000001229539	2.17476	-3.18293	3.878011	-0.82076
ENSG000001140862	ISM1	isthmin 1	ENSG000001140862	2.17476	-3.18293	3.878011	-0.82076
ENSG000001276603			ENSG000001276603	2.17476	-3.18293	3.878011	-0.82076
ENSG000001236576			ENSG000001236576	2.17476	-3.18293	3.878011	-0.82076
ENSG000001200895	DHFR2	dihydrofolate reductase	ENSG000001200895	11.77698	1.310448	1.596675	0.820736
ENSG00000179893	GGNBP2	gametogenesis	ENSG00000179893	58.09469	-0.70592	0.860268	-0.82058
ENSG00000131	ACACA	acetyl-CoA carboxylase	ENSG00000131	67.43534	-0.65592	0.799381	-0.82054
ENSG00000155585	UBE2Q1	ubiquitin-conjugating enzyme	ENSG00000155585	47.43734	0.724001	0.882552	0.820349
ENSG000001114781	BTBD9	BTB domain	ENSG000001114781	45.87555	-0.76873	0.937196	-0.82025
ENSG000001284612	SYPL2	synaptophysin	ENSG000001284612	26.31683	-1.01731	1.240467	-0.8201
ENSG0000014953	ODC1	ornithine decarboxylase	ENSG0000014953	60.67004	0.777285	0.947816	0.82008
ENSG00000123643	LY96	lymphocyte	ENSG00000123643	7.037075	1.848615	2.255327	0.819666
ENSG00000125813	SAMM50	SAMM50 subunit	ENSG00000125813	40.72565	-0.7961	0.971296	-0.81963
ENSG00000122925	PLA2R1	phospholipase	ENSG00000122925	20.28193	-1.06874	1.304026	-0.81957
ENSG00000157038	RARS2	arginyl-tRNA synthetase	ENSG00000157038	28.53685	0.876906	1.07009	0.819469
ENSG00000110945	KDELRL1	KDEL endoplasmic reticulum	ENSG00000110945	50.48664	0.710672	0.867239	0.819465
ENSG00000180205	CHD9	chromodomain	ENSG00000180205	200.4318	-0.48994	0.598755	-0.81826
ENSG00000110467	ZNHIT1	zinc finger	ENSG00000110467	23.93649	0.937429	1.145888	0.818081
ENSG00000111266	DUSP12	dual specificity phosphatase	ENSG00000111266	6.019987	-2.0552	2.512462	-0.818
ENSG000001285759	FLJ34503	uncharacterized	ENSG000001285759	6.019987	-2.0552	2.512462	-0.818
ENSG000001388021	TMEM179	transmembrane	ENSG000001388021	6.019987	-2.0552	2.512462	-0.818
ENSG00000123428	SLC7A8	solute carrier	ENSG00000123428	20.14239	-1.05987	1.296131	-0.81772
ENSG00000151474	LIMA1	LIM domain	ENSG00000151474	52.83167	-0.71454	0.873985	-0.81756
ENSG0000015046	PCSK6	proprotein convertase	ENSG0000015046	43.38168	-0.78462	0.959939	-0.81737
ENSG000001149986	LSM14B	LSM family	ENSG000001149986	37.99167	-0.80711	0.987712	-0.81715
ENSG0000011191	CLU	clusterin	ENSG0000011191	130.0034	0.64753	0.792432	0.817142
ENSG00000123512	SUZ12	SUZ12, polycomb	ENSG00000123512	30.52641	-0.88552	1.083764	-0.81708
ENSG0000016651	SON	SON DNA binding	ENSG0000016651	327.8308	-0.45318	0.554671	-0.81703
ENSG00000190799	CEP95	centrosome	ENSG00000190799	33.13341	-0.86471	1.058482	-0.81693
ENSG0000018816	DCAF5	DDB1 and CUL4	ENSG0000018816	128.4671	-0.56147	0.687357	-0.81685

ENSG00000129958	DMGDH	dimethylglutamate	ENSG00000147005	4.700538	2.135614	2.614688	0.816776
ENSG0000010717	C2	complement C2	ENSG00000147005	4.700538	2.135614	2.614688	0.816776
ENSG00000110379	IRF9	interferon $\gamma$ inducible protein 9	ENSG00000147005	4.700538	2.135614	2.614688	0.816776
ENSG00000156121	PCDHB15	protocadherin 15	ENSG00000190063	9.006636	-1.5686	1.920782	-0.81665
ENSG00000102797			ENSG00000190262	9.029262	-1.57552	1.929288	-0.81663
ENSG00000123555	TSPAN15	tetraspanin 15	ENSG00000158515	5.851541	-2.00465	2.455526	-0.81638
ENSG00000151267	CLEC1A	C-type lectin domain family 1A	ENSG00000158515	5.851541	-2.00465	2.455526	-0.81638
ENSG00000110013	LINC00893	long intergenic non-coding RNA	ENSG00000158515	5.851541	-2.00465	2.455526	-0.81638
ENSG00000110013	NBPF10	NBPF membrane protein 10	ENSG00000138207	3.820773	2.099423	2.572493	0.816104
ENSG00000138757	ILDR2	immunoglobulin-like domain containing 2	ENSG00000138207	3.820773	2.099423	2.572493	0.816104
ENSG00000122175	SERPINF9	serpin family F member 9	ENSG00000138207	3.820773	2.099423	2.572493	0.816104
ENSG0000015799	PTPRN2	protein tyrosine phosphatase, transmembrane type 2	ENSG00000138207	3.820773	2.099423	2.572493	0.816104
ENSG00000112619	JOSD2	Josephin domain containing 2	ENSG00000138207	3.820773	2.099423	2.572493	0.816104
ENSG00000110385	BTN2A2	butyrophilin 2 domain containing 2	ENSG00000110550	10.55025	1.314989	1.611582	0.815961
ENSG00000137575	SWI5	SWI5 homeobox 5	ENSG00000110550	10.55025	1.314989	1.611582	0.815961
ENSG00000180332	ADAM33	ADAM metallopeptidase with thrombospondin type 1 motifs 33	ENSG00000111954	11.95431	-1.35816	1.664686	-0.81587
ENSG0000017035	TFPI	tissue factor pathway inhibitor 1	ENSG00000110713	107.1323	-0.59728	0.732155	-0.81578
ENSG00000110012	SLC8A1-AS1	SLC8A1 antisense RNA 1	ENSG00000128252	28.25252	-0.94171	1.154673	-0.81557
ENSG00000157646	USP28	ubiquitin specific protease 28	ENSG00000115964	159.6492	0.505106	0.619513	0.815327
ENSG000001652	BMP4	bone morphogenetic protein 4	ENSG00000190456	9.045609	-1.57238	1.929168	-0.81506
ENSG0000011787	TRDMT1	tRNA aspartic acid methyltransferase 1	ENSG00000158289	5.828916	-1.99431	2.447471	-0.81485
ENSG00000114548	FAM161B	FAM161B, mitochondrial	ENSG00000158289	5.828916	-1.99431	2.447471	-0.81485
ENSG00000102702			ENSG00000158289	5.828916	-1.99431	2.447471	-0.81485
ENSG0000016940	ZNF354A	zinc finger protein 354A	ENSG00000116422	16.42259	1.082866	1.329354	0.814581
ENSG0000011241	LTB4R	leukotrienin 4	ENSG00000150311	5.031153	1.854414	2.276581	0.814561
ENSG00000111177	BAZ1A	bromodomain containing 1A	ENSG00000144261	44.26106	0.737749	0.90582	0.814454
ENSG00000127340	UTP20	UTP20, smooth muscle	ENSG00000135543	35.54305	-0.8332	1.023067	-0.81441
ENSG00000123244	PDS5A	PDS5 cohesin subunit 5A	ENSG00000110830	108.3075	-0.57101	0.701241	-0.81428
ENSG00000102487			ENSG00000122736	22.73683	-0.99894	1.226803	-0.81426
ENSG00000165055	REEP1	receptor expression modulating factor 1	ENSG00000134801	34.8014	0.811142	0.996249	0.814196
ENSG00000155005	RMND1	required for myoblast differentiation 1	ENSG00000111915	11.91534	-1.35523	1.664603	-0.81415
ENSG00000129929	ALG6	ALG6, alpha-mannosidase	ENSG00000111922	11.9228	1.268368	1.558662	0.813755
ENSG00000125814	ATXN10	ataxin 10	ENSG00000156919	56.91963	0.679973	0.835843	0.813518
ENSG00000102329			ENSG00000159294	5.929486	-2.01599	2.478676	-0.81333
ENSG0000012918	GRM8	glutamate receptor 8	ENSG00000159294	5.929486	-2.01599	2.478676	-0.81333
ENSG0000013190	HNRNPK	heterogeneous nuclear ribonucleoprotein K	ENSG00000132873	328.7376	0.445788	0.548112	0.813315
ENSG00000183937	RASSF4	Ras association domain family 4	ENSG00000165181	65.18159	-0.66749	0.821163	-0.81285
ENSG00000155733	HHAT	hedgehog signaling pathway activator	ENSG00000177372	7.737277	1.520754	1.872252	0.812259
ENSG00000126974	ZNF285	zinc finger protein 285	ENSG00000177372	7.737277	1.520754	1.872252	0.812259
ENSG0000012781	GNAZ	G protein subunit $\alpha$ -Z	ENSG00000177372	7.737277	1.520754	1.872252	0.812259
ENSG00000155914	ERBIN	erbB2 interacting protein	ENSG00000115630	156.3044	0.508051	0.625665	0.812018
ENSG0000017514	XPO1	exportin 1	ENSG00000115586	155.8645	0.516901	0.636603	0.811967
ENSG00000191283	MSANTD3	Myb/SANT domain containing 3	ENSG00000117940	17.94096	1.043437	1.286317	0.811182
ENSG00000134037	NRBP2	nuclear receptor binding protein 2	ENSG00000120058	20.05817	-1.0515	1.296486	-0.81104
ENSG00000151493	RTCB	RNA 2',3'-cyclic phosphate 5'-phosphate transferase	ENSG00000160371	60.37121	0.657995	0.811323	0.811014
ENSG00000120126	SLC39A11	solute carrier family 39 member 11	ENSG00000191550	9.155076	1.392222	1.71691	0.810888
ENSG00000117158	ABHD3	abhydrolase 3	ENSG00000191550	9.155076	1.392222	1.71691	0.810888

ENSG0000012934	GSN	gelsolin	ENSG0000012934	72.04721	-0.63501	0.783163	-0.81083
ENSG000001256364	EML3	echinoderr	ENSG000001256364	14.67822	-1.21739	1.501851	-0.81059
ENSG00000123102	TBC1D2B	TBC1 domæ	ENSG00000123102	32.98759	-0.85633	1.056573	-0.81048
ENSG00000183660	TLN2	talin 2	ENSG00000183660	134.3635	-0.53619	0.661623	-0.81042
ENSG0000017019	TFAM	transcriptic	ENSG0000017019	34.99247	0.793044	0.978677	0.810322
ENSG00000156704	JPH1	junctophilic	ENSG00000156704	27.93826	-0.92006	1.135491	-0.81027
ENSG00000155249	YY1AP1	YY1 associæ	ENSG00000155249	70.17156	0.623349	0.769311	0.810269
ENSG00000123093	TTL5	tubulin tyr	ENSG00000123093	32.88074	-0.84918	1.048045	-0.81025
ENSG00000159269	HIVEP3	human imr	ENSG00000159269	20.09714	-1.05338	1.300076	-0.81024
ENSG00000111214	AKAP13	A-kinase ar	ENSG00000111214	930.6266	-0.4231	0.522257	-0.81014
ENSG00000156942	CMC2	C-X9-C mo	ENSG00000156942	23.99809	0.93082	1.149209	0.809966
ENSG00000123654	PLXNB2	plexin B2	ENSG00000123654	70.21053	0.622583	0.768715	0.8099
ENSG0000013920	LAMP2	lysosomal	ENSG0000013920	113.9469	0.545115	0.67308	0.809882
ENSG0000016135	RPL11	ribosomal	ENSG0000016135	340.0762	0.455889	0.563062	0.80966
ENSG0000012324	FLT4	fms relatec	ENSG0000012324	17.88485	-1.1776	1.454976	-0.80936
ENSG00000110204	NUTF2	nuclear tra	ENSG00000110204	36.49449	0.783531	0.968299	0.809182
ENSG0000011600	DAB1	DAB1, ree	ENSG0000011600	5.867889	-2.00001	2.471742	-0.80915
ENSG000001400569	MED11	mediator c	ENSG000001400569	5.867889	-2.00001	2.471742	-0.80915
ENSG000001123228	SENP8	SUMO pep	ENSG000001123228	9.132451	1.41026	1.743608	0.808817
ENSG0000010272211			ENSG0000010272211	5.092751	1.81323	2.241841	0.808813
ENSG0000018970	HIST1H2BJ	histone clu	ENSG0000018970	5.092751	1.81323	2.241841	0.808813
ENSG000001158405	KIAA1958	KIAA1958	ENSG000001158405	14.81777	-1.22923	1.519975	-0.80872
ENSG00000154906	FAM208B	family with	ENSG00000154906	115.0022	-0.55207	0.682679	-0.80868
ENSG000001211	ALAS1	5'-aminole	ENSG000001211	113.1147	0.566351	0.700348	0.80867
ENSG0000018516	ITGA8	integrin su	ENSG0000018516	22.91155	-1.01751	1.258503	-0.80851
ENSG0000017311	UBA52	ubiquitin A	ENSG0000017311	127.0593	0.52958	0.655081	0.808419
ENSG0000014728	NDUFS8	NADH:ubic	ENSG0000014728	62.097	0.647904	0.801453	0.808412
ENSG00000157185	NIPAL3	NIPA like d	ENSG00000157185	55.65994	-0.71273	0.881813	-0.80826
ENSG00000180097	MZT2B	mitotic spi	ENSG00000180097	13.46379	1.183917	1.464804	0.808243
ENSG000001729603	LOC729603	calcineurin	ENSG000001729603	7.759902	1.497784	1.853397	0.808129
ENSG00000179191	IRX3	iroquois hc	ENSG00000179191	16.48418	1.07295	1.328431	0.807682
ENSG0000018658	TNKS	tankyrase	ENSG0000018658	95.82558	-0.57818	0.7159	-0.80763
ENSG0000019761	MLEC	malectin	ENSG0000019761	251.1303	-0.51736	0.64083	-0.80733
ENSG0000010264112			ENSG0000010264112	14.6556	-1.21297	1.502695	-0.8072
ENSG00000184232	MAF1	MAF1 hom	ENSG00000184232	82.03275	-0.61805	0.765686	-0.80718
ENSG0000018233	ZRSR2	zinc finger	ENSG0000018233	6.303131	1.682682	2.084736	0.807144
ENSG00000151385	ZNF589	zinc finger	ENSG00000151385	17.35688	-1.11827	1.385895	-0.8069
ENSG00000155930	MYO5C	myosin VC	ENSG00000155930	9.13611	-1.5992	1.982077	-0.80683
ENSG0000013490	IGFBP7	insulin like	ENSG0000013490	227.4443	0.498529	0.618031	0.806641
ENSG00000183874	TBC1D10A	TBC1 domæ	ENSG00000183874	5.874166	-2.01449	2.498523	-0.80627
ENSG000001148266	ZNF569	zinc finger	ENSG000001148266	10.61185	1.298472	1.610506	0.806251
ENSG0000015329	PLAUR	plasminog	ENSG0000015329	10.61185	1.298472	1.610506	0.806251
ENSG000001549	AUH	AU RNA bi	ENSG000001549	35.05406	0.788715	0.978335	0.806181
ENSG00000157121	LPAR5	lysophosph	ENSG00000157121	7.575108	1.572154	1.950438	0.806052
ENSG000001112495	GTF3C6	general tra	ENSG000001112495	38.15868	0.765742	0.950004	0.80604
ENSG0000019945	GFPT2	glutamine-	ENSG0000019945	30.38059	-0.87641	1.087857	-0.80563
ENSG00000110457	GPNMB	glycoprote	ENSG00000110457	307.3169	-0.46214	0.573675	-0.80558

ENSG000001230551			ENSG0000013529038	-0.81864	1.016432	-0.8054
ENSG0000011107	PRDM5	PR/SET domain	ENSG0000012388117	0.935588	1.161761	0.805319
ENSG0000011397	CRIP2	cysteine rich	ENSG000001113.4439	0.593693	0.737902	0.804569
ENSG0000019805	SCRN1	secernin 1	ENSG00000145.22687	-0.74567	0.926985	-0.80441
ENSG000001441212	RP9P	RP9 pseudoreceptor	ENSG0000015.789943	-1.98865	2.47268	-0.80425
ENSG00000179874	RABEP2	rabaptin, R	ENSG0000015.789943	-1.98865	2.47268	-0.80425
ENSG0000019611	NCOR1	nuclear receptor	ENSG000001220.7345	-0.47237	0.58744	-0.80412
ENSG0000013777	KCNK3	potassium channel	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG00000189876	MAATS1	MYCBP associated	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001273870			ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG0000012970	GTF2IP1	general transcription	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001270157			ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001236254			ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001651337	LOC651337	uncharacterized	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001232682			ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001101927692	LOC101927	uncharacterized	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001213305			ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001203392			ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG00000154620	FBXL19	F-box and leucine	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG0000017567	ZNF19	zinc finger	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001274677			ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001105372273	LOC105372	uncharacterized	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001276952			ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG0000014826	NNAT	neuronatin	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG0000016615	SNAI1	snail family	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG0000016285	S100B	S100 calcium	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG000001389856	USP27X	ubiquitin specific	ENSG0000012.113162	-3.14394	3.911249	-0.80382
ENSG00000164856	VWA1	von Willebrand	ENSG0000015.806291	-1.98392	2.46813	-0.80381
ENSG000001259453			ENSG0000018.922413	-1.55078	1.929283	-0.80381
ENSG0000016817	SULT1A1	sulfotransferase	ENSG0000018.922413	-1.55078	1.929283	-0.80381
ENSG00000180895	ILKAP	ILK associated	ENSG00000114.72347	-1.226	1.525508	-0.80367
ENSG00000110863	ADAM28	ADAM metallopeptidase	ENSG0000016.426326	1.620905	2.017298	0.803503
ENSG000001146712	B3GNTL1	UDP-GlcNAc 4-epimerase	ENSG0000016.426326	1.620905	2.017298	0.803503
ENSG00000183940	TATDN1	TatD DNase	ENSG00000116.44521	1.074742	1.337668	0.803445
ENSG000001285172	FAM126B	family with	ENSG00000151.01839	0.686207	0.854488	0.803061
ENSG00000155297	CCDC91	coiled-coil	ENSG00000146.18799	0.712771	0.887685	0.802955
ENSG000001118491	CFAP70	cilia and flagellum	ENSG0000019.207778	-1.59813	1.990621	-0.80283
ENSG0000015783	PTPN13	protein tyrosine	ENSG00000140.23286	-0.77471	0.965078	-0.80274
ENSG00000155437	STRADB	STE20-related	ENSG00000154.20095	0.674151	0.840578	0.802008
ENSG000001344558	SH3RF3	SH3 domain	ENSG00000117.80442	-1.15801	1.443954	-0.80197
ENSG0000016203	RPS9	ribosomal protein	ENSG000001142.2744	0.53329	0.665048	0.801883
ENSG00000184883	AIFM2	apoptosis inducing	ENSG00000117.29528	-1.11238	1.387339	-0.80181
ENSG0000016505	SLC1A1	solute carrier	ENSG00000111.87009	-1.34449	1.677719	-0.80138
ENSG0000012280	FKBP1A	FK506 binding	ENSG00000164.91625	0.651388	0.813017	0.801198
ENSG0000012052	EPHX1	epoxide hydrolase	ENSG00000147.56864	-0.72491	0.904846	-0.80114
ENSG00000179009	DDX50	DEXD-box family	ENSG00000130.39211	0.827982	1.033576	0.801084
ENSG0000018110	DPF3	double PHF domain	ENSG00000164.51029	-0.64982	0.811636	-0.80063



ENSG0000018834	TMEM11	transmembrane	ENSG0000018834	12.09124	1.215099	1.51804	0.800439
ENSG0000013956	LGALS1	galectin 1	ENSG0000013956	92.90577	0.57203	0.71467	0.800411
ENSG00000110192	LINC01844	long intergenic	ENSG00000110192	11.83857	1.295004	1.618003	0.800372
ENSG0000017444	VRK2	VRK serine	ENSG0000017444	25.60696	0.89332	1.116251	0.800286
ENSG0000017802	DNALI1	dynein axonemal	ENSG0000017802	7.8215	1.474088	1.842171	0.800191
ENSG0000014682	NUBP1	nucleotide binding protein 1	ENSG0000014682	7.8215	1.474088	1.842171	0.800191
ENSG000001114803	MYSM1	Myb like, S	ENSG000001114803	64.63977	-0.65447	0.818012	-0.80007
ENSG0000019991	PTBP3	polypyrimidine tract binding protein 3	ENSG0000019991	96.29575	0.563414	0.704263	0.800005
ENSG0000017203	CCT3	chaperonin containing subunit 3	ENSG0000017203	106.2583	0.545678	0.682311	0.799749
ENSG00000165065	NBEAL1	neurobeachin	ENSG00000165065	100.5154	-0.56815	0.710512	-0.79964
ENSG00000110451	VAV3	vav guanine nucleotide exchange factor 3	ENSG00000110451	20.42959	1.041678	1.30316	0.799348
ENSG0000015209	PFKFB3	6-phosphofructokinase, beta	ENSG0000015209	47.85021	-0.73885	0.924418	-0.79926
ENSG00000110768	AHCYL1	adenosylhomocysteinylase 1	ENSG00000110768	95.79668	-0.57681	0.721744	-0.79919
ENSG0000016035	RNASE1	ribonuclease A	ENSG0000016035	174.6026	0.535119	0.670231	0.79841
ENSG00000126468	LHX6	LIM homeobox 6	ENSG00000126468	5.744693	-1.96769	2.467452	-0.79746
ENSG0000012671	GFER	growth factor independent 1	ENSG0000012671	5.744693	-1.96769	2.467452	-0.79746
ENSG0000015172	SLC26A4	solute carrier family 26 member 4	ENSG0000015172	2.421151	-3.332	4.178373	-0.79744
ENSG00000184189	SLITRK6	SLIT and NTRK like receptor family class 6 member 6	ENSG00000184189	2.421151	-3.332	4.178373	-0.79744
ENSG0000010251002			ENSG0000010251002	2.421151	-3.332	4.178373	-0.79744
ENSG000001644	BLVRA	biliverdin reductase	ENSG000001644	30.29154	0.834397	1.046363	0.797426
ENSG00000193663	ARHGAP18	Rho GTPase activating protein 18	ENSG00000193663	28.75054	0.850122	1.066138	0.797385
ENSG0000016123	RPL3L	ribosomal protein L3	ENSG0000016123	134.9239	0.529745	0.664379	0.797353
ENSG000001116113	FOXP4	forkhead box P4	ENSG000001116113	14.55503	-1.2036	1.509913	-0.79714
ENSG00000126258	BLOC1S6	biogenesis 1 subunit 6	ENSG00000126258	63.96861	0.632258	0.793174	0.797124
ENSG0000018554	PIAS1	protein inhibitor of activated STAT1	ENSG0000018554	92.43561	0.583825	0.732681	0.796835
ENSG000001200014	CC2D1B	coiled-coil domain containing 1B	ENSG000001200014	32.69594	-0.83941	1.053888	-0.79649
ENSG000001286144	TRIQQ	triple QxxK domain containing	ENSG000001286144	39.94607	0.741885	0.931635	0.796326
ENSG00000184515	MCM8	minichromosome maintenance complex component 8	ENSG00000184515	17.25631	-1.11024	1.394375	-0.79623
ENSG000001339745	SPOPL	speckle type POZ domain containing	ENSG000001339745	43.05068	0.724973	0.910854	0.795926
ENSG00000126054	SENP6	SUMO1 specific protease 6	ENSG00000126054	130.8742	0.51722	0.649835	0.795925
ENSG00000184769	MPV17L2	MPV17 mitochondrial	ENSG00000184769	8.961386	-1.55475	1.954173	-0.7956
ENSG0000010255176			ENSG0000010255176	5.70572	-1.96203	2.466104	-0.7956
ENSG000001122786	FRMD6	FERM domain containing 6	ENSG000001122786	25.0459	-0.93332	1.173156	-0.79557
ENSG000001116228	COX20	cytochrome c oxidase subunit 20	ENSG000001116228	5.154349	1.773185	2.228865	0.795555
ENSG000001222183	SRRM3	serine/arginine rich splicing factor 3	ENSG000001222183	5.154349	1.773185	2.228865	0.795555
ENSG0000014253	MIA2	MIA SH3 domain containing 2	ENSG0000014253	5.154349	1.773185	2.228865	0.795555
ENSG000001653513	LOC653513	phosphodiesterase 10A	ENSG000001653513	224.4834	0.463137	0.582192	0.795505
ENSG0000014668	NAGA	alpha-N-acetylglucosaminidase	ENSG0000014668	27.27115	0.861962	1.083667	0.795412
ENSG00000110411	RAPGEF3	Rap guanine nucleotide exchange factor 3	ENSG00000110411	34.09883	-0.92017	1.157058	-0.79527
ENSG0000014524	MTHFR	methylene tetrahydrofolate dehydrogenase	ENSG0000014524	90.72093	-0.58049	0.729958	-0.79524
ENSG00000155082	ARGLU1	arginine rich protein 1	ENSG00000155082	54.7875	-0.68648	0.863391	-0.7951
ENSG0000019815	GIT2	GIT ArfGAP	ENSG0000019815	46.35644	0.701922	0.882877	0.795039
ENSG00000184299	MIEN1	migration inhibitory factor 1	ENSG00000184299	19.62777	0.98064	1.233542	0.794979
ENSG000001310	ANXA7	annexin A7	ENSG000001310	106.3362	0.544529	0.685055	0.794868
ENSG000001340156	MYLK4	myosin light chain kinase 4	ENSG000001340156	2.135787	-3.16742	3.985734	-0.79469
ENSG0000010226329			ENSG0000010226329	2.135787	-3.16742	3.985734	-0.79469
ENSG000001100130742	LRRC69	leucine rich repeat domain containing 69	ENSG000001100130742	2.135787	-3.16742	3.985734	-0.79469

ENSG00000100507	117	ASAP1-IT2	ASAP1 intron	ENSG000001	2.135787	-3.16742	3.985734	-0.79469
ENSG000001	2738	GLI4	GLI family	ENSG000001	2.135787	-3.16742	3.985734	-0.79469
ENSG000001	203648			ENSG000001	2.135787	-3.16742	3.985734	-0.79469
ENSG000001	259917			ENSG000001	2.135787	-3.16742	3.985734	-0.79469
ENSG000001	263624			ENSG000001	2.135787	-3.16742	3.985734	-0.79469
ENSG000001	146705	TEPSIN	TEPSIN, ad	ENSG000001	2.135787	-3.16742	3.985734	-0.79469
ENSG000001	155038	GIMAP8	GTPase, IV	ENSG000001	57.95515	-0.70222	0.883763	-0.79458
ENSG000001	22861	NLRP1	NLR family	ENSG000001	36.70191	0.768218	0.967193	0.794276
ENSG000001	132671	SPATA18	spermatog	ENSG000001	6.241533	1.715506	2.16133	0.793727
ENSG000001	54890	ALKBH5	alkB homo	ENSG000001	174.5041	-0.50329	0.634216	-0.79357
ENSG000001	285600	KIAA0825	KIAA0825	ENSG000001	12.15284	1.201141	1.514814	0.79293
ENSG000001	2959	GTF2B	general tra	ENSG000001	18.06415	1.025391	1.293732	0.792584
ENSG000001	54437	SEMA5B	semaphori	ENSG000001	7.798875	1.496268	1.888117	0.792466
ENSG000001	267194			ENSG000001	3.635979	2.295886	2.897367	0.792404
ENSG000001	199	AIF1	allograft in	ENSG000001	15.69087	3.26278	4.117872	0.792346
ENSG000001	63932	CXorf56	chromosom	ENSG000001	11.74689	-1.32762	1.675591	-0.79233
ENSG000001	55062	WIP1	WD repeat	ENSG000001	57.61356	0.652293	0.823306	0.792285
ENSG000001	7306	TYRP1	tyrosinase	ENSG000001	24.12128	0.917631	1.158214	0.792281
ENSG000001	1203	CLN5	CLN5, intra	ENSG000001	19.28081	1.023859	1.292342	0.79225
ENSG000001	9110	MTMR4	myotubula	ENSG000001	60.70287	0.702933	0.887273	0.792239
ENSG000001	8925	HERC1	HECT and F	ENSG000001	405.3305	-0.45121	0.569699	-0.79201
ENSG000001	10500	SEMA6C	semaphori	ENSG000001	40.0091	-0.76555	0.967014	-0.79166
ENSG000001	3612	IMPA1	inositol mc	ENSG000001	32.01105	0.811446	1.025254	0.791459
ENSG000001	64844	MARCH7	membrane	ENSG000001	128.8894	0.526297	0.665204	0.79118
ENSG000001	84852	ATP1A1-AS	ATP1A1 an	ENSG000001	5.728345	-1.97242	2.493871	-0.79091
ENSG000001	64418	TMEM168	transmembr	ENSG000001	39.98647	-0.76391	0.96589	-0.79089
ENSG000001	2004	ELK3	ELK3, ETS t	ENSG000001	40.03172	-0.76718	0.970107	-0.79081
ENSG000001	116496	FAM129A	family with	ENSG000001	806.1552	0.428546	0.541949	0.790749
ENSG000001	6934	TCF7L2	transcripti	ENSG000001	22.45146	-0.97881	1.237907	-0.7907
ENSG000001	64210	MMS19	MMS19 ho	ENSG000001	57.05132	-0.67035	0.84793	-0.79057
ENSG000001	6170	RPL39	ribosomal	ENSG000001	94.06083	0.580693	0.734692	0.79039
ENSG000001	811	CALR	calreticulin	ENSG000001	264.5597	0.446185	0.564523	0.790377
ENSG000001	8522	GAS7	growth arr	ENSG000001	188.9772	-0.52361	0.662562	-0.79028
ENSG000001	130355	C2orf76	chromosom	ENSG000001	3.674952	2.301958	2.91334	0.790144
ENSG000001	2850	GPR27	G protein-c	ENSG000001	3.674952	2.301958	2.91334	0.790144
ENSG000001	10403	NDC80	NDC80, kin	ENSG000001	3.674952	2.301958	2.91334	0.790144
ENSG000001	403341	ZBTB34	zinc finger	ENSG000001	28.93534	0.834153	1.055698	0.790144
ENSG000001	84946	LTV1	LTV1 ribos	ENSG000001	8.799218	-1.52889	1.935041	-0.79011
ENSG000001	85441	HELZ2	helicase wi	ENSG000001	8.799218	-1.52889	1.935041	-0.79011
ENSG000001	4129	MAOB	monoamin	ENSG000001	124.8972	-0.54603	0.691157	-0.79002
ENSG000001	85301	COL27A1	collagen ty	ENSG000001	22.40621	-0.97296	1.231705	-0.78993
ENSG000001	5480	PPIC	peptidylpr	ENSG000001	24.28973	0.895027	1.13307	0.789914
ENSG000001	346171	ZFP57	ZFP57 zinc	ENSG000001	6.222567	-4.70353	5.954841	-0.78987
ENSG000001	8740	TNFSF14	TNF superf	ENSG000001	11.32944	1.411386	1.786982	0.789815
ENSG000001	10308	ZNF267	zinc finger	ENSG000001	18.14837	1.009456	1.278583	0.789512
ENSG000001	51693	TRAPPC2L	trafficking	ENSG000001	18.14837	1.009456	1.278583	0.789512
ENSG000001	127933	UHMK1	U2AF hom	ENSG000001	122.968	0.519176	0.657686	0.789399

ENSG0000017182	NR2C2	nuclear rec	ENSG00000114.2077	-0.53966	0.683929	-0.78906
ENSG0000017536	SF1	splicing fac	ENSG000001121.4655	-0.53427	0.677124	-0.78902
ENSG0000019063	PIAS2	protein inh	ENSG00000156.11781	0.651958	0.826586	0.788736
ENSG00000152	ACP1	acid phosph	ENSG00000141.63288	0.724654	0.918789	0.788706
ENSG000001669	BPGM	bisphosphat	ENSG00000119.14506	1.06233	1.34698	0.788675
ENSG00000127112	FAM155B	family with	ENSG00000128.39586	-0.94211	1.194564	-0.78866
ENSG000001285203	EOGT	EGF domain	ENSG00000147.39012	-0.71978	0.912685	-0.78864
ENSG00000123327	NEDD4L	neural prec	ENSG00000196.09839	-0.58209	0.738129	-0.7886
ENSG00000154682	MANSC1	MANSC do	ENSG00000119.68937	0.972572	1.233408	0.788524
ENSG0000011601	DAB2	DAB2, clath	ENSG00000188.85038	0.683084	0.866596	0.788238
ENSG0000018777	MPDZ	multiple PT	ENSG000001208.1357	-0.46901	0.595085	-0.78813
ENSG00000151374	ATRAID	all-trans re	ENSG00000151.20946	0.674569	0.856059	0.787994
ENSG0000011292	COL6A2	collagen ty	ENSG000001147.0639	-0.50428	0.639969	-0.78797
ENSG000001133418	EMB	embigin	ENSG00000136.20389	0.902652	1.145787	0.787801
ENSG0000012624	GATA2	GATA bind	ENSG00000119.8344	-1.03405	1.314656	-0.78656
ENSG0000013985	LIMK2	LIM domain	ENSG00000138.48929	0.743361	0.945431	0.786267
ENSG000001633	BGN	biglycan	ENSG00000154.58008	-0.67926	0.863916	-0.78626
ENSG00000156850	GRIPAP1	GRIP1 asso	ENSG00000124.9227	-0.92492	1.176413	-0.78622
ENSG00000184272	YIPF4	Yip1 domain	ENSG00000182.06728	0.579849	0.737782	0.785936
ENSG0000012064	ERBB2	erb-b2 rec	ENSG000001113.0546	0.532636	0.678186	0.785383
ENSG0000012817	GPC1	glypican 1	ENSG00000177.25179	0.640449	0.81582	0.785038
ENSG00000157504	MTA3	metastasis	ENSG00000122.38359	-0.97002	1.235714	-0.78499
ENSG0000013732	CD82	CD82 mole	ENSG00000115.11164	1.088173	1.386395	0.784894
ENSG0000015929	RBBP5	RB binding	ENSG00000127.41069	0.853464	1.087555	0.784755
ENSG0000015558	PRIM2	DNA prima	ENSG0000015.644122	-1.9456	2.479287	-0.78474
ENSG0000010219642			ENSG0000015.644122	-1.9456	2.479287	-0.78474
ENSG0000010228634			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG000001728448	PPIEL	peptidylpro	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG000001100289178	GNG12-AS	GNG12, DII	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG00000157821	CCDC181	coiled-coil	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010272087			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010251187			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010272556			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG000001101929191	LINCR-000	uncharacter	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG000001100506540	SPTY2D10	SPTY2D1 o	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG00000111181	TREH	trehalase	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010278126			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG00000179446	WDR25	WD repeat	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG00000155512	SMPD3	sphingomy	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG000001284402	SCGB2B2	secretoglob	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010237118			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG00000184765	ZNF577	zinc finger	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010268660			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG000001284825	LINC01697	long interg	ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010279805			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010228343			ENSG0000012.051564	-3.10387	3.957257	-0.78435
ENSG0000010217896			ENSG0000012.051564	-3.10387	3.957257	-0.78435

ENSG0000012729	GCLC	glutamate-	ENSG00000138564	0.74496	0.9501	0.784086
ENSG0000019811	CTIF	cap binding	ENSG00000149784	-0.70093	0.893991	-0.78404
ENSG000001550643	NBDY	negative re	ENSG00000112144	1.187289	1.514525	0.783935
ENSG00000155017	C14orf119	chromosom	ENSG00000119711	0.9662	1.23301	0.783611
ENSG0000019863	MAGI2	membrane	ENSG00000117087	-1.09073	1.392903	-0.78307
ENSG0000011512	CTSH	cathepsin	ENSG00000143258	0.712224	0.910045	0.782625
ENSG000001132001	TAMM41	TAM41 mit	ENSG00000187376	-1.51783	1.940109	-0.78234
ENSG0000010235205			ENSG00000187376	-1.51783	1.940109	-0.78234
ENSG000001174171			ENSG00000187376	-1.51783	1.940109	-0.78234
ENSG0000016191	RPS4X	ribosomal	ENSG00000128416	0.469328	0.600053	0.782145
ENSG00000110519	CIB1	calcium an	ENSG00000117133	-1.09833	1.40427	-0.78214
ENSG000001162963	ZNF610	zinc finger	ENSG00000156214	-1.93477	2.47453	-0.78187
ENSG0000010279166			ENSG00000112113	1.203201	1.539894	0.781353
ENSG0000019499	MYOT	myotilin	ENSG00000112113	1.203201	1.539894	0.781353
ENSG00000157706	DENND1A	DENN dom	ENSG00000124861	-0.9207	1.178565	-0.7812
ENSG000001116173	CMTM5	CKLF like	ENSG00000115173	1.077391	1.379208	0.781167
ENSG0000014773	NFATC2	nuclear fac	ENSG00000118232	0.993627	1.272169	0.781049
ENSG00000179960	JADE1	jade family	ENSG00000181441	-0.60773	0.779199	-0.77994
ENSG0000011876	E2F6	E2F transcr	ENSG00000193008	1.336249	1.713314	0.77992
ENSG00000164425	POLR1E	RNA polym	ENSG00000193008	1.336249	1.713314	0.77992
ENSG00000154801	HAUS6	HAUS augr	ENSG00000128957	0.830296	1.064654	0.779874
ENSG000001100129482	ZNF37BP	zinc finger	ENSG00000122412	-0.977	1.253022	-0.77971
ENSG000001100885848	PTGES3L	prostaglan	ENSG00000165495	1.561875	2.003475	0.779583
ENSG000001148362	BROX	BRO1 dom	ENSG00000162758	0.621314	0.797059	0.779508
ENSG0000016923	ELOB	elongin B	ENSG00000130560	0.810672	1.040796	0.778895
ENSG0000015346	PLIN1	perilipin 1	ENSG00000113003	-1.51122	1.941689	-0.7783
ENSG000001813	CALU	calumenin	ENSG00000138776	0.418007	0.537091	0.77828
ENSG000001128553	TSHZ2	teashirt zin	ENSG00000117048	-1.08857	1.39899	-0.77811
ENSG00000184939	MUM1	melanoma	ENSG00000117065	-1.08689	1.397479	-0.77775
ENSG00000110384	BTN3A3	butyrophili	ENSG00000121314	0.927949	1.19312	0.77775
ENSG00000164757	MARC1	mitochond	ENSG00000114742	1.155689	1.486223	0.777601
ENSG0000012098	ESD	esterase D	ENSG00000156286	0.64327	0.827444	0.777418
ENSG00000157496	MRTFB	myocardin	ENSG00000188025	-0.57888	0.744678	-0.77735
ENSG00000157210	SLC45A4	solute carr	ENSG00000122855	0.901786	1.160403	0.777132
ENSG000001126375	ZNF792	zinc finger	ENSG00000114347	-1.17818	1.51612	-0.7771
ENSG000001730051	ZNF814	zinc finger	ENSG00000119688	-1.02032	1.313365	-0.77687
ENSG00000157546	PDP2	pyruvate d	ENSG00000111584	-1.30759	1.684113	-0.77642
ENSG0000016567	SLC16A2	solute carr	ENSG00000119643	-1.01365	1.30558	-0.7764
ENSG00000130833	NT5C	5', 3'-nucle	ENSG00000152159	1.733868	2.234245	0.776042
ENSG00000185027	SMIM3	small integ	ENSG00000127714	-0.90698	1.168908	-0.77592
ENSG00000155052	MRPL20	mitochond	ENSG00000142972	0.727353	0.937425	0.775905
ENSG0000014289	MKLN1	muskelin 1	ENSG00000113034	-0.51573	0.664752	-0.77582
ENSG00000163979	FIGNL1	fidgetin lik	ENSG00000112237	1.175474	1.515307	0.775733
ENSG000001152273	FGD5	FYVE, RhoG	ENSG00000134791	-0.79156	1.020426	-0.77571
ENSG00000155756	INTS9	integrator	ENSG00000116714	1.02782	1.325717	0.775293
ENSG00000166035	SLC2A11	solute carr	ENSG00000111562	-1.30202	1.679681	-0.77516
ENSG00000180829	ZFP91	ZFP91 zinc	ENSG00000110203	0.535472	0.690812	0.775135

ENSG000001137392	FAM92A	family with	ENSG00000132.32532	0.782304	1.009277	0.775113
ENSG00000153405	CLIC5	chloride in	ENSG000001716.4184	-0.41285	0.532716	-0.775
ENSG000001283578	TMED8	transmembr	ENSG00000138.63511	0.732871	0.945678	0.774969
ENSG00000157459	GATAD2B	GATA zinc	ENSG00000192.37884	-0.56036	0.723169	-0.77486
ENSG000001476	ATP1A1	ATPase Na	ENSG000001268.2157	-0.44277	0.571438	-0.77483
ENSG0000012079	ERH	ERH, mRN	ENSG00000127.54016	0.8354	1.078202	0.774808
ENSG00000157805	CCAR2	cell cycle a	ENSG00000134.99246	-0.80018	1.032866	-0.77472
ENSG00000184975	MFSD5	major facili	ENSG00000110.81927	1.235883	1.595305	0.7747
ENSG00000128971	AAMDC	adipogene	ENSG0000019.362495	1.317456	1.701494	0.774294
ENSG00000129	ABR	ABR, RhoG	ENSG000001209.9784	-0.4631	0.598093	-0.77429
ENSG00000111128	POLR3A	RNA polym	ENSG00000129.80359	-0.84238	1.088015	-0.77423
ENSG00000123094	SIPA1L3	signal indu	ENSG00000114.36396	-1.17615	1.51958	-0.774
ENSG000001460	ASTN1	astrotactin	ENSG0000012.090536	-3.12008	4.032189	-0.77379
ENSG0000010261572			ENSG0000012.090536	-3.12008	4.032189	-0.77379
ENSG00000192369	SPSB4	splA/ryano	ENSG0000012.090536	-3.12008	4.032189	-0.77379
ENSG0000013742	KCNA6	potassium	ENSG0000012.090536	-3.12008	4.032189	-0.77379
ENSG000001440278	CATSPER2	cation char	ENSG0000012.090536	-3.12008	4.032189	-0.77379
ENSG00000155184	DZANK1	double zinc	ENSG0000012.090536	-3.12008	4.032189	-0.77379
ENSG00000164405	CDH22	cadherin 2	ENSG0000012.090536	-3.12008	4.032189	-0.77379
ENSG00000110069	RWDD2B	RWD dom	ENSG00000119.83519	0.950267	1.228186	0.773716
ENSG0000013140	MR1	major histc	ENSG00000118.19362	0.995431	1.2869	0.773511
ENSG0000018566	PDXK	pyridoxal k	ENSG00000190.43308	-0.57245	0.740155	-0.77341
ENSG000001201626	PDE12	phosphodi	ENSG00000127.29337	-0.87624	1.133408	-0.7731
ENSG00000187	ACTN1	actinin alp	ENSG000001178.2731	0.505616	0.654026	0.773083
ENSG0000014715	NDUFB9	NADH:ubic	ENSG000001124.7881	0.515034	0.666246	0.773038
ENSG00000155022	PID1	phosphoty	ENSG00000127.79871	-0.91295	1.181279	-0.77285
ENSG00000151086	TNNI3K	TNNI3 inte	ENSG0000015.559899	-1.91805	2.48187	-0.77282
ENSG00000126135	SERBP1	SERPINE1 r	ENSG000001158.1266	-0.48718	0.630404	-0.77281
ENSG0000019014	TAF1B	TATA-box k	ENSG0000015.582524	-1.92895	2.496221	-0.77275
ENSG0000010279519			ENSG0000015.582524	-1.92895	2.496221	-0.77275
ENSG0000010232855			ENSG0000015.582524	-1.92895	2.496221	-0.77275
ENSG00000155222	LRRC20	leucine ric	ENSG00000148.00989	-0.7392	0.95683	-0.77255
ENSG00000154877	ZCCHC2	zinc finger	ENSG00000161.23986	0.621834	0.804996	0.772468
ENSG0000019100	USP10	ubiquitin s	ENSG00000180.81793	0.57119	0.739488	0.772413
ENSG0000014899	NRF1	nuclear res	ENSG00000119.79543	-1.03197	1.33622	-0.7723
ENSG00000184973	SNHG7	small nucle	ENSG0000018.78287	-1.53184	1.983698	-0.77222
ENSG0000017434	VIPR2	vasoactive	ENSG00000111.60735	-1.31301	1.7007	-0.77204
ENSG0000012023	ENO1	enolase 1	ENSG000001183.244	0.522626	0.677056	0.77191
ENSG0000011615	DARS	aspartyl-tR	ENSG00000177.52852	0.579248	0.750595	0.771719
ENSG0000019960	USP3	ubiquitin s	ENSG00000130.74535	0.7958	1.031205	0.771718
ENSG00000184911	ZNF382	zinc finger	ENSG00000119.58173	-1.00837	1.306803	-0.77163
ENSG0000017862	BRPF1	bromodorr	ENSG00000116.9873	-1.08255	1.403453	-0.77135
ENSG0000018731	RNMT	RNA guanil	ENSG00000163.98233	-0.63248	0.820217	-0.77112
ENSG0000015858	PZP	PZP, alpha	ENSG0000018.698647	-1.51384	1.964344	-0.77066
ENSG0000019487	PIGL	phosphatic	ENSG0000018.698647	-1.51384	1.964344	-0.77066
ENSG00000155662	HIF1AN	hypoxia inc	ENSG000001114.4905	-0.54244	0.703894	-0.77062
ENSG00000185465	SELENOI	selenoprot	ENSG00000140.13714	0.726634	0.94308	0.77049

ENSG0000011122	CHML	CHM like, F	ENSG00000126.06077	0.847016	1.099396	0.770437
ENSG0000015810	RAD1	RAD1 chec	ENSG00000127.316	-0.87862	1.140619	-0.7703
ENSG000001115273	RAB42	RAB42, me	ENSG0000012.281608	-3.26325	4.238338	-0.76994
ENSG000001102724515	LINC01291	long interg	ENSG0000012.281608	-3.26325	4.238338	-0.76994
ENSG0000013769	KCNJ13	potassium	ENSG0000012.281608	-3.26325	4.238338	-0.76994
ENSG000001152	ADRA2C	adrenocep	ENSG0000012.281608	-3.26325	4.238338	-0.76994
ENSG00000129789	OLA1	Obg like A1	ENSG00000137.15572	0.736879	0.957902	0.769263
ENSG0000016376	CX3CL1	C-X3-C mo	ENSG00000125.017	-0.9272	1.205348	-0.76924
ENSG00000179780	CCDC82	coiled-coil	ENSG00000122.18245	-0.95719	1.244394	-0.7692
ENSG000001393	ARHGAP4	Rho GTPas	ENSG0000017.844125	1.452605	1.888585	0.76915
ENSG0000018277	TKTL1	transketola	ENSG0000017.844125	1.452605	1.888585	0.76915
ENSG0000017837	PXDN	peroxidasi	ENSG00000156.56861	-0.65299	0.849007	-0.76912
ENSG00000155340	GIMAP5	GTPase, IV	ENSG0000019.054505	1.415412	1.840443	0.769061
ENSG00000110776	ARPP19	cAMP regu	ENSG000001197.1011	0.468535	0.609249	0.769037
ENSG00000151655	RASD1	ras related	ENSG00000116.94204	-1.07482	1.397704	-0.76899
ENSG00000194107	TMEM203	transmembr	ENSG00000117.04262	-1.08309	1.409129	-0.76863
ENSG0000012149	F2R	coagulation	ENSG00000130.80695	0.790885	1.029162	0.768475
ENSG0000019253	NUMBL	NUMB like	ENSG00000111.53948	-1.29643	1.687075	-0.76845
ENSG000001114932	MRFAP1L1	Morf4 fam	ENSG00000148.43546	0.667917	0.869622	0.768055
ENSG00000184079	ANKRD27	ankyrin re	ENSG00000137.4021	-0.77501	1.00908	-0.76803
ENSG000001152098	ZCWPW2	zinc finger	ENSG0000012.028939	-3.07892	4.01085	-0.76765
ENSG0000010207497			ENSG0000012.028939	-3.07892	4.01085	-0.76765
ENSG000001101929423	MEF2C-AS1	MEF2C ant	ENSG0000012.028939	-3.07892	4.01085	-0.76765
ENSG0000012822	GPLD1	glycosylph	ENSG0000012.028939	-3.07892	4.01085	-0.76765
ENSG00000179751	SLC25A22	solute carr	ENSG0000012.028939	-3.07892	4.01085	-0.76765
ENSG00000111251	PTGDR2	prostaglan	ENSG0000012.028939	-3.07892	4.01085	-0.76765
ENSG000001199745	THAP8	THAP dom	ENSG0000012.028939	-3.07892	4.01085	-0.76765
ENSG000001128864	C20orf144	chromosom	ENSG0000012.028939	-3.07892	4.01085	-0.76765
ENSG00000151094	ADIPOR1	adiponecti	ENSG000001124.137	0.528814	0.688879	0.767645
ENSG00000151018	RRP15	ribosomal	ENSG00000137.08784	0.745403	0.971306	0.767424
ENSG000001821	CANX	calnexin	ENSG000001630.6964	0.401218	0.522919	0.767266
ENSG00000156271	BEX4	brain expre	ENSG00000124.3903	0.886899	1.156244	0.767052
ENSG0000016948	TCN2	transcobal	ENSG00000135.39096	0.759388	0.990135	0.766954
ENSG00000157035	RSRP1	arginine ar	ENSG00000148.17272	0.679135	0.885573	0.766887
ENSG00000191369	ANKRD40	ankyrin re	ENSG00000187.50424	-0.56704	0.739911	-0.76636
ENSG000001375775	PNPLA7	patatin like	ENSG00000116.90307	-1.07265	1.400132	-0.76611
ENSG00000123460	ABCA6	ATP bindin	ENSG000001138.7566	-0.52926	0.691019	-0.76591
ENSG00000111329	STK38	serine/thre	ENSG00000153.22689	0.647468	0.845476	0.765802
ENSG0000019249	DHRS3	dehydroge	ENSG00000139.53266	-0.74318	0.970663	-0.76564
ENSG000001219654	ZCCHC24	zinc finger	ENSG000001103.879	-0.53626	0.70044	-0.7656
ENSG00000151186	TCEAL9	transcripti	ENSG00000116.98102	-1.07703	1.406935	-0.76552
ENSG00000191304	TMEM259	transmembr	ENSG00000124.63106	-0.9026	1.179358	-0.76533
ENSG0000019737	GPRASP1	G protein-c	ENSG00000134.82022	-0.79593	1.040051	-0.76528
ENSG0000015695	PSMB7	proteasom	ENSG00000177.56749	0.578502	0.755956	0.765258
ENSG00000179665	DHX40	DEAH-box	ENSG00000132.24737	0.784952	1.026198	0.764912
ENSG0000015226	PGD	phosphogl	ENSG00000141.98612	0.701922	0.91821	0.764447
ENSG000001200081	TXLNA	taxilin alph	ENSG00000166.6861	-0.63722	0.833799	-0.76424

ENSG000001387751	GVINP1	GTPase, ve	ENSG00000124.4192	0.874232	1.144024	0.764173
ENSG00000188455	ANKRD13A	ankyrin re	ENSG00000144.90594	0.698575	0.914207	0.764132
ENSG00000179074	C2orf49	chromosom	ENSG00000116.88045	-1.06875	1.398693	-0.76411
ENSG0000019681	DEPDC5	DEP domain	ENSG00000116.88045	-1.06875	1.398693	-0.76411
ENSG000001100131187	TSTD1	thiosulfate	ENSG0000013.904996	1.974869	2.58543	0.763846
ENSG000001245711	SPDYA	speedy/RIN	ENSG0000013.904996	1.974869	2.58543	0.763846
ENSG0000010251139			ENSG0000013.904996	1.974869	2.58543	0.763846
ENSG0000019617	MTRF1	mitochond	ENSG00000112.36026	1.14837	1.503649	0.763722
ENSG00000126508	HEYL	hes relatec	ENSG00000129.65777	-0.83297	1.090694	-0.76371
ENSG0000018650	NUMB	NUMB, enc	ENSG00000176.1786	0.572692	0.750074	0.763514
ENSG000001246330	PELI3	pellino E3	ENSG0000018.692369	-1.50339	1.969445	-0.76336
ENSG00000123302	WSCD1	WSC domain	ENSG0000018.692369	-1.50339	1.969445	-0.76336
ENSG0000018683	SRSF9	serine and	ENSG00000111.47788	-1.28775	1.687008	-0.76333
ENSG00000123379	ICE1	interactor	ENSG00000196.70535	-0.54454	0.713429	-0.76327
ENSG000001408	ARRB1	arrestin be	ENSG00000130.65485	0.810056	1.061505	0.76312
ENSG00000183595	SOX7	SRY-box 7	ENSG0000018.591799	-1.48805	1.950134	-0.76305
ENSG00000151332	SPTBN5	spectrin be	ENSG0000018.591799	-1.48805	1.950134	-0.76305
ENSG00000123076	RRP1B	ribosomal	ENSG00000122.12085	-0.95246	1.248448	-0.76291
ENSG0000010256837			ENSG0000015.498301	-1.90113	2.492025	-0.76289
ENSG0000011973	EIF4A1	eukaryotic	ENSG0000015.498301	-1.90113	2.492025	-0.76289
ENSG0000010264596			ENSG0000015.498301	-1.90113	2.492025	-0.76289
ENSG0000017789	ZXDA	zinc finger	ENSG0000015.498301	-1.90113	2.492025	-0.76289
ENSG0000018087	FXR1	FMR1 auto	ENSG000001172.274	-0.47838	0.627238	-0.76267
ENSG00000122978	NT5C2	5'-nucleoti	ENSG00000143.30335	0.707643	0.928273	0.762323
ENSG0000018528	DDO	D-aspartat	ENSG00000126.16134	0.8397	1.101551	0.762288
ENSG0000015984	RFC4	replication	ENSG0000013.966594	1.91956	2.518738	0.762112
ENSG0000010267364			ENSG0000013.966594	1.91956	2.518738	0.762112
ENSG000001284756	C2orf197	chromosom	ENSG0000013.966594	1.91956	2.518738	0.762112
ENSG00000110216	PRG4	proteoglyc	ENSG00000112.79654	-1.48397	1.947388	-0.76203
ENSG0000010279839			ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000011491	CTH	cystathioni	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG000001666	BOK	BCL2 famil	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG000001285220	EPHA6	EPH recept	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000010206417			ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000017018	TF	transferrin	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG000001693155	MIR570	microRNA	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000010270681			ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG000001100874239	ARHGAP26	ARHGAP26	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000010273489			ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG000001101927003	PKIA-AS1	PKIA antise	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG00000190990	KIFC2	kinesin fan	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000010228169			ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000010261324			ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG00000184070	FAM186B	family with	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000010259425			ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG000001100463285	MTRNR2L4	MT-RNR2	ENSG0000011.989966	-3.06259	4.020742	-0.7617
ENSG0000010261669			ENSG0000011.989966	-3.06259	4.020742	-0.7617

ENSG000001279589			ENSG000001279589	1.989966	-3.06259	4.020742	-0.7617
ENSG00000192340	PRR29	proline rich	ENSG00000192340	1.989966	-3.06259	4.020742	-0.7617
ENSG000001374887	YJEFN3	YjeF N-terr	ENSG000001374887	1.989966	-3.06259	4.020742	-0.7617
ENSG000001164312	LRRN4	leucine rich	ENSG000001164312	1.989966	-3.06259	4.020742	-0.7617
ENSG00000156683	CFAP298	cilia and fla	ENSG00000156683	1.989966	-3.06259	4.020742	-0.7617
ENSG0000018933	RTL8C	retrotransp	ENSG0000018933	94.1767	0.540282	0.709433	0.761568
ENSG00000110124	ARL4A	ADP ribosy	ENSG00000110124	10.84189	1.222163	1.605057	0.761445
ENSG00000184875	PARP10	poly(ADP-r	ENSG00000184875	10.84189	1.222163	1.605057	0.761445
ENSG00000151361	HOOK1	hook micrc	ENSG00000151361	11.4389	-1.28471	1.687467	-0.76132
ENSG0000018082	SSPN	sarcospan	ENSG0000018082	35.63107	0.747204	0.981635	0.761183
ENSG0000011522	CTSZ	cathepsin z	ENSG0000011522	122.8021	0.520413	0.683749	0.761116
ENSG0000017581	ZNF33A	zinc finger	ENSG0000017581	105.4527	0.526938	0.692424	0.761005
ENSG000001259828			ENSG000001259828	9.401467	1.315395	1.728813	0.760866
ENSG0000018312	AXIN1	axin 1	ENSG0000018312	24.5424	0.861603	1.133036	0.760438
ENSG0000017111	TMOD1	tropomod	ENSG0000017111	127.2689	-0.50578	0.665156	-0.76039
ENSG000001152185	SPICE1	spindle anc	ENSG000001152185	14.17916	-1.15482	1.519164	-0.76017
ENSG00000157461	ISY1	ISY1 splicin	ENSG00000157461	8.028919	1.384051	1.821832	0.759703
ENSG000001727851	RGPD8	RANBP2-li	ENSG000001727851	5.520926	-1.91206	2.517278	-0.75957
ENSG00000155076	TMEM45A	transmem	ENSG00000155076	5.520926	-1.91206	2.517278	-0.75957
ENSG0000011840	DTX1	deltex E3 u	ENSG0000011840	5.520926	-1.91206	2.517278	-0.75957
ENSG00000151172	NAGPA	N-acetylgl	ENSG00000151172	5.520926	-1.91206	2.517278	-0.75957
ENSG0000015096	PCCB	propionyl-(	ENSG0000015096	73.64955	0.610173	0.803453	0.759438
ENSG00000125946	ZNF385A	zinc finger	ENSG00000125946	12.07123	-1.36872	1.802546	-0.75932
ENSG0000019107	MTMR6	myotubula	ENSG0000019107	58.32004	0.620312	0.816991	0.759264
ENSG00000151726	DNAJB11	DnaJ heat s	ENSG00000151726	15.3354	1.054116	1.388371	0.759247
ENSG00000111212	PLPBP	pyridoxal p	ENSG00000111212	46.59655	0.6922	0.913287	0.757922
ENSG000001148534	TMEM56	transmem	ENSG000001148534	76.32442	0.567702	0.749483	0.757459
ENSG0000016609	SMPD1	sphingomy	ENSG0000016609	32.06741	-0.80077	1.057418	-0.75729
ENSG0000011844	DUSP2	dual specif	ENSG0000011844	6.510549	1.563233	2.064341	0.757255
ENSG0000013073	HEXA	hexosamin	ENSG0000013073	14.14019	-1.15229	1.522584	-0.7568
ENSG0000014849	CNOT3	CCR4-NOT	ENSG0000014849	16.8641	-1.07041	1.414392	-0.7568
ENSG00000125824	PRDX5	peroxiredo	ENSG00000125824	115.2731	0.518766	0.685714	0.756535
ENSG00000123168	RTF1	RTF1 homc	ENSG00000123168	63.38898	-0.61593	0.81468	-0.75604
ENSG00000164798	DEPTOR	DEP domai	ENSG00000164798	14.33126	-1.17982	1.560555	-0.75602
ENSG0000016192	RPS4Y1	ribosomal	ENSG0000016192	81.27802	0.55605	0.735531	0.755985
ENSG00000134	ACADM	acyl-CoA d	ENSG00000134	236.2722	0.474878	0.628251	0.755872
ENSG0000012104	ESRRG	estrogen r	ENSG0000012104	65.75965	-0.6083	0.804833	-0.75581
ENSG0000016283	S100A12	S100 calciu	ENSG0000016283	6.633745	1.505692	1.992356	0.755735
ENSG000001100628315	DNM3OS	DNM3 opp	ENSG000001100628315	6.633745	1.505692	1.992356	0.755735
ENSG00000125934	NIPSNAP3	nipsnap ho	ENSG00000125934	12.42186	1.134992	1.502089	0.755609
ENSG000001257261			ENSG000001257261	5.238572	1.694706	2.243585	0.755356
ENSG0000015427	POLE2	DNA polyn	ENSG0000015427	5.238572	1.694706	2.243585	0.755356
ENSG00000155839	CENPN	centromer	ENSG00000155839	5.238572	1.694706	2.243585	0.755356
ENSG00000129899	GPSM2	G protein s	ENSG00000129899	8.552826	-1.48408	1.96501	-0.75525
ENSG00000110965	ACOT2	acyl-CoA t	ENSG00000110965	27.36504	-0.87599	1.160091	-0.75511
ENSG00000123341	DNAJC16	DnaJ heat s	ENSG00000123341	39.50376	-0.73929	0.979269	-0.75494
ENSG00000151560	RAB6B	RAB6B, me	ENSG00000151560	39.50376	-0.73929	0.979269	-0.75494



ENSG0000019906	SLC35E2A	solute carr	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000171423	PDIA3P1	protein dis	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000232626			ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000151127	TRIM17	tripartite n	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG000001403150	FLJ13136	uncharacte	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG000001285266	ENTPD3-AS	ENTPD3 an	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG0000019435	CHST2	carbohydr	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000151555	PEX5L	peroxisom	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000155330	BLOC1S4	biogenesis	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000279522			ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000253811			ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000238035			ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000282024			ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000101928307	LOC101928	uncharacte	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000235286			ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG000001624	BDKRB2	bradykinin	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000267504			ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG000001148203	ZNF738	zinc finger	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000278917			ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000184701	COX4I2	cytochrom	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG000001150248	C22orf15	chromosom	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG00000101927352	PLS3-AS1	PLS3 antise	ENSG000001967341	-3.03685	4.024865	-0.75452
ENSG000001563	AZGP1	alpha-2-gly	ENSG000001701135	1.177561	1.560844	0.754439
ENSG000001390595	UBAP1L	ubiquitin a	ENSG0000018569173	-1.48065	1.963315	-0.75416
ENSG00000111091	WDR5	WD repeat	ENSG000001937431	-0.989	1.311421	-0.75414
ENSG00000127185	DISC1	DISC1 scaff	ENSG000001341743	0.749129	0.99348	0.754045
ENSG000001152518	NFXL1	nuclear tra	ENSG0000012130831	0.937254	1.243206	0.753901
ENSG0000019941	EXOG	exo/endon	ENSG0000012730344	-0.87206	1.156763	-0.75388
ENSG00000154492	NEURL1B	neuralized	ENSG0000014687851	-0.69581	0.923197	-0.75369
ENSG00000155729	ATF7IP	activating t	ENSG0000011755523	0.457837	0.607495	0.753648
ENSG0000014338	MOC52	molybden	ENSG0000015517645	0.62752	0.832675	0.75362
ENSG0000016117	RPA1	replication	ENSG0000014905431	-0.67683	0.898114	-0.75362
ENSG000001139221	MUM1L1	MUM1 like	ENSG0000011686005	1.001164	1.328605	0.753545
ENSG00000123112	TNRC6B	trinucleoti	ENSG0000013009335	-0.42006	0.557582	-0.75335
ENSG00000179811	SLTM	SAFB like tr	ENSG0000011060485	-0.5302	0.703875	-0.75326
ENSG00000110267	RAMP1	receptor ac	ENSG0000014213194	0.692454	0.919383	0.753173
ENSG0000015621	PRNP	prion prote	ENSG0000012052022	0.446216	0.592453	0.753168
ENSG0000015101	PCDH9	protocadhe	ENSG0000011786556	-0.46897	0.622834	-0.75296
ENSG00000125979	DHRS7B	dehydroge	ENSG0000012004261	0.920527	1.223152	0.752586
ENSG00000126517	TIMM13	translocase	ENSG0000011670795	1.040921	1.383215	0.752537
ENSG0000017881	KCNAB1	potassium	ENSG0000011415654	-1.15022	1.528803	-0.75237
ENSG0000011181	CLCN2	chloride vc	ENSG0000015436703	-1.88401	2.504829	-0.75215
ENSG000001339201	ASB16-AS1	ASB16 anti	ENSG0000015436703	-1.88401	2.504829	-0.75215
ENSG000001125061	AFMID	arylforman	ENSG0000012196875	-0.93574	1.245157	-0.7515
ENSG0000016136	RPL12	ribosomal	ENSG0000012278205	0.460556	0.612853	0.751495
ENSG00000157606	SLAIN2	SLAIN moti	ENSG0000019646902	-0.53897	0.717423	-0.75126
ENSG0000014713	NDUFB7	NADH:ubic	ENSG0000012742704	0.855518	1.139367	0.750871

ENSG00000111309	SLCO2B1	solute carr	ENSG00000177.14468	0.684397	0.911595	0.750768
ENSG0000013131	HLF	HLF, PAR b	ENSG00000153.62774	0.705977	0.940406	0.750716
ENSG00000179750	ZNF385D	zinc finger	ENSG00000117.20099	-1.10881	1.477147	-0.75064
ENSG000001115004	CGAS	cyclic GMP	ENSG0000018.090517	1.362002	1.815278	0.750299
ENSG00000157001	SDHAF3	succinate c	ENSG0000018.090517	1.362002	1.815278	0.750299
ENSG0000015496	PPM1G	protein ph	ENSG00000144.1219	-0.69734	0.929422	-0.75029
ENSG0000016613	SUMO2	small ubiq	ENSG00000158.48848	0.612046	0.815799	0.750241
ENSG0000012764	GMFB	glia matur	ENSG00000151.99389	0.636538	0.848575	0.750126
ENSG000001282991	BLOC1S2	biogenesis	ENSG00000118.40104	0.962658	1.283341	0.750118
ENSG0000013707	ITPKB	inositol-tri	ENSG00000147.28707	-0.71101	0.948183	-0.74987
ENSG000001158	ADSL	adenylosuc	ENSG00000139.0663	0.706047	0.941621	0.749821
ENSG0000016767	ST13	ST13, Hsp7	ENSG000001190.364	0.451332	0.601951	0.749781
ENSG0000019905	SGSM2	small G prc	ENSG00000131.95049	-0.7969	1.063113	-0.74959
ENSG00000164081	PBLD	phenazine	ENSG00000110.85824	1.233318	1.645546	0.749488
ENSG000001119587	CPXM2	carboxype	ENSG00000111.94424	-1.36627	1.823067	-0.74944
ENSG00000155153	SDAD1	SDA1 dom	ENSG00000124.46262	-0.88859	1.185845	-0.74933
ENSG0000015817	PVR	poliovirus	ENSG00000160.87248	-0.61946	0.826688	-0.74932
ENSG000001100113407	TMEM170I	transmem	ENSG00000127.90975	0.802477	1.071012	0.74927
ENSG000001148738	HJV	hemojuvel	ENSG00000140.69152	0.693503	0.925739	0.749135
ENSG0000016874	TAF4	TATA-box	ENSG00000114.05597	-1.14045	1.522657	-0.74899
ENSG000001284131	ENDOV	endonucle	ENSG00000112.39923	1.146165	1.530836	0.748719
ENSG0000015201	PFDN1	prefoldin s	ENSG00000139.08893	0.703385	0.939535	0.748652
ENSG0000010280434			ENSG0000018.507576	-1.46918	1.962683	-0.74856
ENSG0000013903	LAIR1	leukocyte	ENSG00000115.56022	1.234531	1.649739	0.748319
ENSG000001114049	BUD23	BUD23, rR	ENSG00000142.08041	0.700963	0.936793	0.748258
ENSG0000016202	RPS8	ribosomal	ENSG000001282.109	0.445922	0.595959	0.748243
ENSG0000016218	RPS17	ribosomal	ENSG000001150.3267	0.477376	0.63804	0.748191
ENSG0000015743	PTGS2	prostaglan	ENSG0000014.028192	1.866502	2.49554	0.747935
ENSG000001100874058	COX10-AS1	COX10 anti	ENSG0000014.028192	1.866502	2.49554	0.747935
ENSG000001100506215	PAXBP1-AS	PAXBP1 an	ENSG0000014.028192	1.866502	2.49554	0.747935
ENSG00000158493	INIP	INTS3 and	ENSG00000118.46264	0.954085	1.27569	0.747897
ENSG00000183938	LRMDA	leucine ric	ENSG00000115.397	1.043449	1.395316	0.747823
ENSG0000010281969			ENSG0000015.176974	1.733826	2.318594	0.747792
ENSG00000123584	VSIG2	V-set and i	ENSG0000015.176974	1.733826	2.318594	0.747792
ENSG00000126519	TIMM10	translocase	ENSG0000016.695343	1.477997	1.976702	0.747708
ENSG0000019097	USP14	ubiquitin s	ENSG00000158.60238	-0.63092	0.843864	-0.74766
ENSG00000156975	FAM20C	FAM20C, g	ENSG00000116.69565	-1.0504	1.405293	-0.74746
ENSG000001388610	TRNP1	TMF1-regu	ENSG00000113.94023	1.078592	1.44303	0.74745
ENSG0000014882	NPR2	natriuretic	ENSG00000122.06932	-0.94237	1.260912	-0.74737
ENSG000001389136	VGLL3	vestigial lik	ENSG00000151.44761	-0.66526	0.890865	-0.74676
ENSG000001124245	ZC3H18	zinc finger	ENSG00000124.38467	-0.88539	1.186306	-0.74634
ENSG00000192370	PXYLP1	2-phospho	ENSG00000120.00364	0.922266	1.236175	0.746064
ENSG00000156943	ENY2	ENY2, tran	ENSG00000129.53497	0.77979	1.045626	0.745764
ENSG00000184262	PSMG3	proteasom	ENSG0000019.38512	1.301309	1.745187	0.745656
ENSG00000158472	SQOR	sulfide qui	ENSG0000019.38512	1.301309	1.745187	0.745656
ENSG00000164963	MRPS11	mitochond	ENSG00000116.7736	-1.05484	1.414661	-0.74565
ENSG00000157616	TSHZ3	teashirt zin	ENSG0000018.491228	-1.47262	1.977014	-0.74487

ENSG000001277496			ENSG000001277496	8.491228	-1.47262	1.977014	-0.74487
ENSG00000181846	SBF2	SET binding	ENSG00000181846	84.72252	-0.56018	0.752053	-0.74486
ENSG00000127246	RNF115	ring finger	ENSG00000127246	242.4266	0.426887	0.573142	0.744818
ENSG0000015052	PRDX1	peroxiredoxin	ENSG0000015052	74.8513	0.564684	0.758428	0.744546
ENSG00000157649	PHF12	PHD finger	ENSG00000157649	36.72453	-0.74276	0.997767	-0.74442
ENSG0000016733	SRPK2	SRSF protein	ENSG0000016733	48.80505	0.649735	0.872882	0.744356
ENSG00000155207	ARL8B	ADP ribosylase	ENSG00000155207	92.96632	0.531561	0.714199	0.744276
ENSG00000155825	PECR	peroxisomal	ENSG00000155825	6.448952	1.593786	2.141624	0.744195
ENSG00000136	ACADSB	acyl-CoA dehydrogenase	ENSG00000136	99.49989	0.523294	0.703355	0.743997
ENSG000001256302	NATD1	N-acetyltransferase	ENSG000001256302	37.04886	-0.75695	1.017603	-0.74386
ENSG000001118487	CHCHD1	coiled-coil domain	ENSG000001118487	9.508316	1.264406	1.700569	0.74352
ENSG00000154851	ANKRD49	ankyrin repeat	ENSG00000154851	9.508316	1.264406	1.700569	0.74352
ENSG000001728	C5AR1	complement receptor	ENSG000001728	9.508316	1.264406	1.700569	0.74352
ENSG00000151258	MRPL51	mitochondrial ribosomal protein	ENSG00000151258	60.27587	0.600488	0.807657	0.743494
ENSG0000014094	MAF	MAF bZIP transcription factor	ENSG0000014094	45.97678	0.71773	0.965424	0.743435
ENSG0000019784	SNX17	sorting nexin	ENSG0000019784	51.97754	0.635628	0.855823	0.74271
ENSG000001150776	LOC150776	sphingomyelinase	ENSG000001150776	22.02028	-0.94579	1.273573	-0.74262
ENSG0000014642	MYO1D	myosin I domain	ENSG0000014642	22.02028	-0.94579	1.273573	-0.74262
ENSG00000127086	FOXP1	forkhead box P1	ENSG00000127086	84.57919	-0.55948	0.753649	-0.74236
ENSG00000122881	ANKRD6	ankyrin repeat	ENSG00000122881	8.445978	-1.45764	1.963624	-0.74232
ENSG0000011602	DACH1	dachshund	ENSG0000011602	8.445978	-1.45764	1.963624	-0.74232
ENSG00000154531	MIER2	MIER family	ENSG00000154531	8.445978	-1.45764	1.963624	-0.74232
ENSG00000154165	DCUN1D1	defective in	ENSG00000154165	48.9119	0.642702	0.866902	0.741377
ENSG00000110398	MYL9	myosin light chain	ENSG00000110398	741.1356	0.376755	0.508306	0.741197
ENSG00000110742	RAI2	retinoic acid inducible	ENSG00000110742	19.22849	-0.97478	1.315382	-0.74106
ENSG000001137735	ABRA	actin binding	ENSG000001137735	18.45636	0.96554	1.303084	0.740965
ENSG0000015425	POLD2	DNA polymerase	ENSG0000015425	51.06744	0.688267	0.929107	0.740783
ENSG00000191404	SESTD1	SEC14 and	ENSG00000191404	56.04692	-0.63459	0.856813	-0.74064
ENSG0000019831	ZNF623	zinc finger	ENSG0000019831	26.79431	-0.84143	1.136389	-0.74044
ENSG0000013054	HCFC1	host cell factor	ENSG0000013054	70.1025	-0.58299	0.78747	-0.74033
ENSG0000010251615			ENSG0000010251615	5.375105	-1.86665	2.521504	-0.74029
ENSG0000014674	NAP1L2	nucleosome	ENSG0000014674	8.608146	-1.48503	2.00659	-0.74008
ENSG00000123133	PHF8	PHD finger	ENSG00000123133	36.62396	-0.73865	0.998629	-0.73967
ENSG000001151887	CCDC80	coiled-coil	ENSG000001151887	261.608	0.490191	0.662862	0.739507
ENSG00000111314	CD300A	CD300a molecule	ENSG00000111314	15.24857	3.082408	4.168235	0.7395
ENSG0000016341	SCO1	SCO1, cytochrome	ENSG0000016341	39.05622	-0.72046	0.974395	-0.73939
ENSG00000183638	C11orf68	chromosome	ENSG00000183638	11.27046	-1.25566	1.69863	-0.73922
ENSG0000017402	UTRN	utrophin	ENSG0000017402	486.8096	-0.39941	0.540355	-0.73916
ENSG000001472	ATM	ATM serine/threonine kinase	ENSG000001472	144.6266	0.467807	0.63297	0.739066
ENSG0000019052	GPRC5A	G protein-coupled receptor	ENSG0000019052	5.35248	-1.8552	2.510444	-0.73899
ENSG00000128512	NKIRAS1	NF-kB inhibitor	ENSG00000128512	15.56545	1.005933	1.361512	0.738835
ENSG00000110988	METAP2	methionyl	ENSG00000110988	65.26844	0.582702	0.788832	0.73869
ENSG0000010215158			ENSG0000010215158	9.569914	1.246435	1.687385	0.738678
ENSG000001171392	ZNF675	zinc finger	ENSG000001171392	9.569914	1.246435	1.687385	0.738678
ENSG00000159084	ENPP5	ectonucleotidase	ENSG00000159084	8.152115	1.340211	1.815032	0.738395
ENSG000001286410	ATP11C	ATPase phosphatase	ENSG000001286410	30.27623	-0.87711	1.188056	-0.73827
ENSG00000179832	QSER1	glutamine	ENSG00000179832	70.0409	-0.58138	0.787585	-0.73818

ENSG0000010383	TUBB4B	tubulin bet	ENSG000001128.0424	0.513479	0.695608	0.738172
ENSG00000127253	PCDH17	protocadherin	ENSG00000111.23149	-1.25257	1.697043	-0.73809
ENSG0000015878	RAB5C	RAB5C, member of	ENSG00000113.98548	1.059364	1.435653	0.737897
ENSG0000018431	NR0B2	nuclear receptor	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001100505795	LOC100505795	uncharacterized	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000019293	GPR52	G protein-coupled	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001339803	LOC339803	uncharacterized	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001101927023	LOC101927023	uncharacterized	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010227249			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010232533			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010251468			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010254088			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010230112			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010268659			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010272734			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010280550			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001283212	KLHL35	kelch like family	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001100528022	BLOC1S1-R	BLOC1S1-R	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG00000125895	EEF1AKMT	EEF1A lysine	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010250091			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010274471			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001348094	ANKDD1A	ankyrin repeat	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010278668			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001201501	ZBTB7C	zinc finger	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001100505549	LOC100505549	uncharacterized	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG00000184330	ZNF414	zinc finger	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000010268438			ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG00000184807	NFKBID	NFKB inhibitor	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG00000155321	TMEM74B	transmembrane	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG000001150082	LCA5L	LCA5L, leber	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG00000190625	ERVH48-1	endogenous	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000012747	GLUD2	glutamate	ENSG0000011.905743	-2.99363	4.05786	-0.73774
ENSG0000015188	GATB	glutamyl-tRNA	ENSG00000166.54905	0.653079	0.885462	0.737558
ENSG0000016640	SNTA1	syntrophin	ENSG000001122.2605	0.503628	0.682974	0.737404
ENSG00000124140	FTSJ1	FtsJ RNA	ENSG00000117.10644	0.96384	1.307566	0.737126
ENSG00000184062	DTNBP1	dystrobrevin	ENSG00000114.03962	-1.1424	1.550124	-0.73697
ENSG0000016232	RPS27	ribosomal	ENSG00000152.24028	0.625315	0.848562	0.736912
ENSG00000155835	CENPJ	centromere	ENSG00000111.25411	-1.25831	1.707551	-0.73691
ENSG0000019853	RUSC2	RUN and S	ENSG00000143.85288	-0.68587	0.930847	-0.73682
ENSG0000013909	LAMA3	laminin subunit	ENSG00000119.77908	-1.03248	1.401572	-0.73666
ENSG00000180135	RPF1	ribosome	ENSG00000124.91198	0.824506	1.119822	0.736283
ENSG00000123086	EXPH5	exophilin 5	ENSG00000111.43263	-1.27677	1.734336	-0.73617
ENSG000001203	AK1	adenylate	ENSG00000122.47788	-0.97325	1.322517	-0.73591
ENSG0000018894	EIF2S2	eukaryotic	ENSG00000166.93891	0.575391	0.782262	0.735547
ENSG000001387119	CEP85L	centrosome	ENSG00000145.76831	0.652909	0.887668	0.735533
ENSG00000127301	APEX2	apurinic/apyrimidic	ENSG0000018.38438	-1.44602	1.96614	-0.73546
ENSG00000156108	PCDHGA7	protocadherin	ENSG00000124.26147	-0.8767	1.192128	-0.7354

ENSG0000018542	APOL1	apolipoprotein A1	ENSG0000013925109	0.694667	0.94496	0.735128
ENSG00000110521	DDX17	DEAD-box protein 17	ENSG0000015754594	-0.38717	0.526854	-0.73487
ENSG0000015978	REST	RE1 silencing factor	ENSG0000011198422	0.486738	0.662362	0.734851
ENSG00000110898	CPSF4	cleavage factor I subunit 4	ENSG0000011658881	-1.03625	1.410647	-0.73459
ENSG00000151002	TPRKB	TP53RK binding protein	ENSG000001848495	-1.46182	1.990357	-0.73445
ENSG00000154951	COMMD8	COMM domain containing 8	ENSG0000011108828	1.160826	1.580673	0.734387
ENSG00000155695	NSUN5	NOP2/Sun domain containing 5	ENSG0000011108828	1.160826	1.580673	0.734387
ENSG00000155145	THAP1	THAP domain containing 1	ENSG0000011108828	1.160826	1.580673	0.734387
ENSG00000110656	KHDRBS3	KH RNA binding protein 3	ENSG0000011108828	1.160826	1.580673	0.734387
ENSG000001120	ADD3	adducin 3	ENSG0000012018978	0.449075	0.611681	0.734166
ENSG000001133957	CCDC127	coiled-coil domain containing 127	ENSG0000013163622	-0.77714	1.059089	-0.73378
ENSG0000010243302			ENSG0000011120886	-1.24675	1.699126	-0.73376
ENSG00000151279	C1RL	complement factor 1	ENSG0000014624383	-0.7907	1.077896	-0.73356
ENSG000001130074	FAM168B	family with sequence similarity 168B	ENSG0000011334381	-0.48625	0.662924	-0.73349
ENSG00000129957	SLC25A24	solute carrier family 25 member 24	ENSG0000013894938	-0.71426	0.973887	-0.73342
ENSG00000179178	THTPA	thiamine transporter 1	ENSG0000015391453	-1.86139	2.538137	-0.73337
ENSG0000014293	MAP3K9	mitogen-activated protein kinase 3	ENSG0000015391453	-1.86139	2.538137	-0.73337
ENSG00000155654	TMEM127	transmembrane protein 127	ENSG0000011330132	-0.4806	0.655426	-0.73326
ENSG0000011605	DAG1	dystroglycan 1	ENSG0000012397913	-0.42755	0.583121	-0.73321
ENSG000001130612	TMEM198	transmembrane protein 198	ENSG0000011928368	-3.01985	4.118742	-0.7332
ENSG00000151365	PLA1A	phospholipase A1	ENSG0000011928368	-3.01985	4.118742	-0.7332
ENSG0000010111788			ENSG0000011928368	-3.01985	4.118742	-0.7332
ENSG0000010257957			ENSG0000011928368	-3.01985	4.118742	-0.7332
ENSG00000110003343C	SNORD116	small nucleolar RNA 116	ENSG0000011928368	-3.01985	4.118742	-0.7332
ENSG000001101059918	GOLGA8R	golgin A8 family class B member 8	ENSG0000011928368	-3.01985	4.118742	-0.7332
ENSG0000011548	CYP2A6	cytochrome P450 2A6	ENSG0000011928368	-3.01985	4.118742	-0.7332
ENSG0000010279006			ENSG0000011928368	-3.01985	4.118742	-0.7332
ENSG0000019060	PAPSS2	3'-phosphoguanidyl transferase 2	ENSG0000013557823	-0.8384	1.143525	-0.73317
ENSG00000155508	SLC35E3	solute carrier family 35 member 3	ENSG0000011860218	0.941905	1.285193	0.73289
ENSG00000156833	SLAMF8	SLAM family member 8	ENSG0000019261924	1.340101	1.830323	0.732166
ENSG000001195827	PRXL2C	peroxiredoxin 2C	ENSG0000013690304	-0.74933	1.023544	-0.73209
ENSG0000019810	RNF40	ring finger protein 40	ENSG0000013193794	-0.79133	1.080972	-0.73205
ENSG00000127339	PRPF19	pre-mRNA processing factor 19	ENSG0000012916498	-0.8039	1.098162	-0.73204
ENSG00000155786	ZNF415	zinc finger protein 415	ENSG0000011936804	-0.98431	1.345081	-0.73178
ENSG0000012752	GLUL	glutamate decarboxylase	ENSG0000016232493	-0.47402	0.647779	-0.73176
ENSG00000128964	GIT1	GIT ArfGAP	ENSG0000013404587	-0.75129	1.027284	-0.73134
ENSG000001114928	GPRASP2	G protein-coupled receptor associated protein 2	ENSG0000011659508	-1.04193	1.425114	-0.73112
ENSG00000151182	HSPA14	heat shock protein 70 family class A member 14	ENSG0000011716804	0.954664	1.306192	0.730876
ENSG000001219988	PATL1	PAT1 homolog 1	ENSG0000014376866	-0.68185	0.932973	-0.73084
ENSG00000126270	FBXO6	F-box protein 6	ENSG0000011091984	1.217106	1.665656	0.730707
ENSG0000017264	TSTA3	tissue specific adhesion molecule 3	ENSG0000018423352	-1.45014	1.985747	-0.73028
ENSG0000019580	SOX13	SRY-box 13	ENSG0000012419988	-0.87233	1.195567	-0.72963
ENSG00000123344	ESYT1	extended synaptotagmin 1	ENSG0000017452957	-0.56319	0.771968	-0.72955
ENSG00000184364	ARFGAP2	ADP ribosylated GTPase activating protein 2	ENSG0000016275037	-0.59717	0.818715	-0.7294
ENSG000001100507062	PSMD6-AS1	PSMD6 antisense 1	ENSG0000015290882	-1.83754	2.520009	-0.72918
ENSG00000155529	PIP4P2	phosphatidylinositol 4-phosphate 2	ENSG0000012326414	0.859745	1.179426	0.728952
ENSG0000017163	TPD52	tumor protein 52	ENSG0000011104931	1.16296	1.595644	0.728834

ENSG00000184872	ZC3H10	zinc finger	ENSG0000018345407	-1.44197	1.978609	-0.72878
ENSG000001873	CBR1	carbonyl re	ENSG0000018345407	-1.44197	1.978609	-0.72878
ENSG0000018455	ATRN	attractin	ENSG000001104.9661	-0.50984	0.699726	-0.72863
ENSG0000015991	RFX3	regulatory	ENSG00000116.48823	-1.0278	1.410658	-0.72859
ENSG00000123768	FLRT2	fibronectin	ENSG00000111.36096	-1.27799	1.75445	-0.72843
ENSG0000019683	N4BP1	NEDD4 bin	ENSG00000150.89702	-0.64215	0.881775	-0.72825
ENSG000001547	KIF1A	kinesin fan	ENSG0000012.152134	-3.16192	4.342212	-0.72818
ENSG0000011404	HAPLN1	hyaluronar	ENSG0000012.152134	-3.16192	4.342212	-0.72818
ENSG0000018074	FGF23	fibroblast g	ENSG0000012.152134	-3.16192	4.342212	-0.72818
ENSG000001399668	SMIM10L2	small integ	ENSG0000012.152134	-3.16192	4.342212	-0.72818
ENSG0000010238018			ENSG00000113.84855	-1.11386	1.530207	-0.72791
ENSG00000165258	MPPE1	metalloph	ENSG00000113.84855	-1.11386	1.530207	-0.72791
ENSG0000015996	RGS1	regulator c	ENSG0000018.051544	1.364392	1.874571	0.727842
ENSG00000151696	HECA	hdc homol	ENSG000001132.5134	0.484392	0.665553	0.727803
ENSG00000155324	ABCF3	ATP bindin	ENSG00000146.27888	-0.67169	0.923028	-0.72771
ENSG0000019846	GAB2	GRB2 asso	ENSG00000193.44276	0.518878	0.713304	0.72743
ENSG0000019722	NOS1AP	nitric oxide	ENSG0000015.313507	-1.84904	2.542402	-0.72728
ENSG00000184295	PHF6	PHD finger	ENSG00000119.08267	-0.96042	1.320588	-0.72727
ENSG00000151606	ATP6V1H	ATPase H+	ENSG00000129.15871	-0.80071	1.10116	-0.72716
ENSG00000184081	NSRP1	nuclear sp	ENSG00000136.65665	-0.73741	1.014255	-0.72704
ENSG000001153090	DAB2IP	DAB2 inter	ENSG00000183.82118	-0.54065	0.743808	-0.72687
ENSG000001607	BCL9	B cell CLL/I	ENSG00000124.132	-0.86406	1.189028	-0.72669
ENSG0000013297	HSF1	heat shock	ENSG00000141.23582	-0.69176	0.95218	-0.7265
ENSG0000011026	CDKN1A	cyclin depe	ENSG00000162.6825	-0.59408	0.817822	-0.72642
ENSG000001196403	DTX3	deltex E3 u	ENSG00000119.06632	-0.96194	1.324352	-0.72635
ENSG00000189848	FCHSD1	FCH and dc	ENSG0000015.423365	1.585291	2.182745	0.726283
ENSG0000010277734			ENSG0000015.423365	1.585291	2.182745	0.726283
ENSG00000111051	NUDT21	nudix hydr	ENSG00000168.81052	0.562716	0.775023	0.726063
ENSG0000012335	FN1	fibronectin	ENSG000001842.1001	0.390214	0.537472	0.726018
ENSG00000126750	RPS6KC1	ribosomal	ENSG00000134.58914	0.716873	0.987412	0.726012
ENSG0000016601	SMARCC2	SWI/SNF re	ENSG000001121.0718	-0.48725	0.671248	-0.72588
ENSG0000018412	BCAR3	BCAR3, NS	ENSG00000124.58765	0.852718	1.175128	0.725638
ENSG0000016477	SIAH1	siah E3 ubi	ENSG0000018.361755	-1.4384	1.982537	-0.72553
ENSG0000019743	ARHGAP32	Rho GTPas	ENSG00000121.64441	-0.91293	1.258343	-0.7255
ENSG0000019367	RAB9A	RAB9A, me	ENSG00000123.45521	0.831881	1.146709	0.72545
ENSG00000123274	CLEC16A	C-type lect	ENSG00000143.60649	-0.67582	0.931745	-0.72533
ENSG0000011984	EIF5A	eukaryotic	ENSG00000173.76412	0.550224	0.758724	0.725197
ENSG000001100996717	NOTCH2NL	notch 2 N-I	ENSG00000111.11091	1.147933	1.583035	0.725147
ENSG0000015502	PPP1R1A	protein ph	ENSG00000148.38681	-0.64975	0.896096	-0.72509
ENSG00000179411	GLB1L	galactosid	ENSG0000014.08979	1.814729	2.503364	0.724916
ENSG0000010224745			ENSG0000014.08979	1.814729	2.503364	0.724916
ENSG0000010230724			ENSG0000014.08979	1.814729	2.503364	0.724916
ENSG0000010258676			ENSG0000014.08979	1.814729	2.503364	0.724916
ENSG00000123673	STX12	syntaxin 12	ENSG00000141.21948	-0.69232	0.955296	-0.72471
ENSG0000018629	JRK	Jrk helix-tu	ENSG00000126.66484	-0.82996	1.145364	-0.72463
ENSG0000019320	TRIP12	thyroid ho	ENSG000001310.0841	-0.40223	0.555095	-0.72461
ENSG00000111052	CPSF6	cleavage a	ENSG00000167.43011	-0.58204	0.803251	-0.7246

ENSG0000019948	WDR1	WD repeat	ENSG00000195.255	0.430956	0.594831	0.724501
ENSG0000017029	TFDP2	transcription factor	ENSG00000112.0141	-0.50051	0.691476	-0.72383
ENSG0000015098	PCDHGC3	protocadherin	ENSG00000136.37756	-0.72675	1.004471	-0.72351
ENSG00000127316	RBMX	RNA binding motif X	ENSG000001143.626	-0.49286	0.681299	-0.72342
ENSG0000011604	CD55	CD55 molecule	ENSG00000181.84875	0.54042	0.747259	0.723203
ENSG0000018707	B3GALT2	beta-1,3-galactosyltransferase 2	ENSG00000170.25186	0.680303	0.940842	0.723079
ENSG0000018019	BRD3	bromodomain protein	ENSG00000119.02107	-0.95494	1.320703	-0.72306
ENSG000001342945	ZSCAN22	zinc finger protein	ENSG0000019.693109	1.211186	1.675353	0.722943
ENSG000001285335	SLC9C1	solute carrier family 9	ENSG0000019.171423	1.40432	1.942702	0.722869
ENSG00000158499	ZNF462	zinc finger protein	ENSG00000183.8765	-0.54112	0.748595	-0.72285
ENSG000001713	C1QB	complement component 1B	ENSG000001116.847	1.756531	2.430556	0.722687
ENSG00000110020	GNE	glucosaminyl transferase	ENSG00000143.9872	0.666867	0.923513	0.722098
ENSG00000110954	PDIA5	protein disulfide isomerase	ENSG0000018.368032	-1.44934	2.007571	-0.72194
ENSG00000190634	N4BP2L1	NEDD4 binding protein	ENSG0000018.368032	-1.44934	2.007571	-0.72194
ENSG000001729438	CASTOR2	cytosolic arginine decarboxylase	ENSG00000117.61334	-1.13736	1.575478	-0.72192
ENSG00000130850	CDR2L	cerebellar development related	ENSG00000124.57953	-0.89392	1.238404	-0.72183
ENSG0000019821	RB1CC1	RB1 inducible coiled-coil domain containing	ENSG000001209.8702	-0.43897	0.608276	-0.72166
ENSG00000157104	PNPLA2	patatin like phospholipase	ENSG00000174.36112	-0.55843	0.774105	-0.72139
ENSG0000010235655			ENSG0000016.818539	1.423905	1.973948	0.721349
ENSG000001377677	CA13	carbonic anhydrase	ENSG0000016.818539	1.423905	1.973948	0.721349
ENSG00000123387	SIK3	SIK family kinase	ENSG00000179.06977	-0.54973	0.762419	-0.72104
ENSG0000010281501			ENSG0000015.268257	-1.8258	2.532896	-0.72083
ENSG000001140739	UBE2F	ubiquitin conjugating enzyme	ENSG00000112.52871	1.099802	1.526173	0.720628
ENSG0000018932	MBD2	methyl-CpG binding domain	ENSG00000170.39676	0.559659	0.776694	0.720566
ENSG00000130011	SH3KBP1	SH3 domain binding protein	ENSG00000155.27074	0.626211	0.869093	0.720534
ENSG000001151011	SEPT10	septin 10	ENSG00000176.72172	-0.55496	0.7707	-0.72007
ENSG00000178996	CYREN	cell cycle related	ENSG00000121.75126	-0.92363	1.282829	-0.72
ENSG00000111315	PARK7	Parkinson's disease	ENSG00000183.76561	0.528656	0.734363	0.719884
ENSG000001167691	LCA5	LCA5, leber congenital amaurosis	ENSG0000018.261184	-1.42251	1.976034	-0.71988
ENSG000001400618	SOX9-AS1	SOX9 antisense	ENSG0000018.261184	-1.42251	1.976034	-0.71988
ENSG00000164794	DDX31	DEAD-box protein	ENSG00000111.17251	1.133094	1.574196	0.719792
ENSG0000015738	PTGFRN	prostaglandin synthase	ENSG000001164.057	-0.46795	0.650155	-0.71976
ENSG00000110801	SEPT9	septin 9	ENSG00000197.84157	-0.51575	0.716737	-0.71958
ENSG0000017879	RAB7A	RAB7A, member of RAB7 family	ENSG000001154.6648	-0.47303	0.657396	-0.71956
ENSG00000111078	TRIOBP	TRIO and F	ENSG00000176.64757	-0.55147	0.766535	-0.71943
ENSG0000011837	DTNA	dystrobrevin	ENSG000001156.8077	0.452198	0.628561	0.719418
ENSG00000123276	KLHL18	kelch like family	ENSG00000121.58281	-0.90806	1.263126	-0.7189
ENSG00000155622	TTC27	tetratricopeptide repeat	ENSG00000120.33425	0.877906	1.221236	0.718867
ENSG0000015283	PIGH	phosphatidylinositol	ENSG0000015.229284	-1.81966	2.532363	-0.71856
ENSG000001114044	MCM3AP-1	MCM3AP associated	ENSG0000015.229284	-1.81966	2.532363	-0.71856
ENSG00000154059	YBEY	ybeY metal	ENSG0000015.229284	-1.81966	2.532363	-0.71856
ENSG00000126512	INTS6	integrator subunit	ENSG00000160.13331	-0.59729	0.831657	-0.71819
ENSG000001107984921	LINC01772	long intergenic	ENSG0000011.844145	-2.94911	4.106449	-0.71817
ENSG0000010230953			ENSG0000011.844145	-2.94911	4.106449	-0.71817
ENSG000001101927560	LOC101927	uncharacterized	ENSG0000011.844145	-2.94911	4.106449	-0.71817
ENSG000001333926	PPM1J	protein phosphatase	ENSG0000011.844145	-2.94911	4.106449	-0.71817
ENSG000001116143	WDR92	WD repeat	ENSG0000011.844145	-2.94911	4.106449	-0.71817

ENSG00000184620	ST6GAL2	ST6 beta-galactosyltransferase 2	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG000001130574	LYPD6	LY6/PLAUR domain containing 6	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000235579			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000231063			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000105377105	FLNB-AS1	FLNB antisense 1	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000234742			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000151166	AADAT	aminoadipate decarboxylase	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000156126	PCDHB10	protocadherin 10	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000123286	WWC1	WW and CXXC domain containing 1	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG0000016941	TCF19	transcription factor 19	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000238156			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000249852			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000244490			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000228368			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG0000017984	ARHGEF5	Rho guanine nucleotide exchange factor 5	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000253516			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000254141			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000277959			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000246889			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000184324	SARNP	SAP domain containing	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG000001122402	TDRD9	tudor domain containing 9	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000276107			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000111245	GPR176	G protein-coupled receptor 176	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000100137047	JMJD7	jumonji domain containing 7	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000259921			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000151025	PAM16	presequence domain containing 16	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000275056			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000172888	NPIP11	nuclear pore protein 11	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000200556			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000260859			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG000001399512	SLC25A35	solute carrier family 25 member 35	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG000001388336	SHISA6	shisa family class B member 6	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000279762			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000279792			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000273368			ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000123767	FLRT3	fibronectin type III domain containing 3	ENSG000001844145	-2.94911	4.106449	-0.71817
ENSG00000123424	TDRD7	tudor domain containing 7	ENSG000002347784	0.82697	1.151586	0.718114
ENSG0000018872	CDC123	cell division cycle 123	ENSG000002347784	0.82697	1.151586	0.718114
ENSG00000154664	TMEM106	transmembrane protein 106	ENSG000001394241	0.477157	0.664916	0.71762
ENSG0000017374	UNG	uracil DNA glycosylase	ENSG000002509678	0.806257	1.123584	0.717576
ENSG0000014144	MAT2A	methionine adenosyltransferase 2A	ENSG0000029765299	-0.51377	0.716473	-0.71708
ENSG0000013091	HIF1A	hypoxia inducible factor 1A	ENSG0000021333984	0.468618	0.65359	0.716991
ENSG00000179098	C1orf116	chromosome 1 open reading frame 116	ENSG0000023843398	2.036252	2.840345	0.716903
ENSG00000110578	GNLY	granulysin	ENSG0000023843398	2.036252	2.840345	0.716903
ENSG0000016456	SH3GL2	SH3 domain containing 2	ENSG0000023843398	2.036252	2.840345	0.716903
ENSG00000100874261	CCDC200	coiled-coil domain containing 200	ENSG0000023843398	2.036252	2.840345	0.716903
ENSG000001116541	MRPL54	mitochondrial ribosomal protein L54	ENSG000001857956	0.948053	1.322444	0.716895



ENSG00000123381	SMG5	SMG5, non	ENSG00000128.4051	-0.48456	0.676017	-0.71678
ENSG0000014691	NCL	nucleolin	ENSG000001272.6939	-0.40575	0.566069	-0.71678
ENSG0000013373	HYAL1	hyaluronid	ENSG00000151.07554	-0.64713	0.90309	-0.71658
ENSG00000110589	DRAP1	DR1 associ	ENSG00000133.13237	0.717503	1.0016	0.716357
ENSG0000015303	PIN4	peptidylpro	ENSG00000114.23187	1.013836	1.415853	0.71606
ENSG00000123051	ZHX3	zinc finger	ENSG00000199.78734	-0.50589	0.706611	-0.71593
ENSG000001154214	RNF217	ring finger	ENSG00000136.20912	-0.7171	1.001786	-0.71582
ENSG00000126355	FAM162A	family with	ENSG00000161.42844	0.619171	0.865195	0.715644
ENSG00000166004	LYNX1	Ly6/neurot	ENSG000001140.6924	-0.51737	0.723072	-0.71552
ENSG00000122996	TTC39A	tetratricop	ENSG00000121.77768	-0.91726	1.282089	-0.71544
ENSG0000011339	COX6A2	cytochrom	ENSG000001105.5358	0.490173	0.685145	0.71543
ENSG00000126503	SLC17A5	solute carr	ENSG00000118.9205	-0.94747	1.324818	-0.71517
ENSG00000191624	NEXN	nexilin F-ac	ENSG000001470.2235	0.386492	0.540443	0.71514
ENSG00000191663	MYADM	myeloid as	ENSG00000164.03543	0.572389	0.800403	0.715125
ENSG00000164149	C17orf75	chromosom	ENSG00000121.86897	0.863053	1.206994	0.715044
ENSG00000164172	OSGEPL1	O-sialoglyc	ENSG00000111.06304	-1.22285	1.710889	-0.71474
ENSG00000184327	ZBED3	zinc finger	ENSG00000111.06304	-1.22285	1.710889	-0.71474
ENSG0000019068	ANGPTL1	angiopoiet	ENSG00000131.02064	0.767503	1.074022	0.714606
ENSG0000010270571			ENSG0000012.074189	-3.12586	4.375565	-0.71439
ENSG0000010211938			ENSG0000012.074189	-3.12586	4.375565	-0.71439
ENSG000001794	CALB2	calbindin 2	ENSG0000012.074189	-3.12586	4.375565	-0.71439
ENSG00000123194	FBXL7	F-box and l	ENSG00000131.41246	-0.76556	1.071637	-0.71438
ENSG000001883	KYAT1	kynurenine	ENSG00000111.04669	-1.22559	1.716331	-0.71408
ENSG00000125988	HINFP	histone H4	ENSG00000111.04669	-1.22559	1.716331	-0.71408
ENSG000001148206	ZNF714	zinc finger	ENSG00000111.04669	-1.22559	1.716331	-0.71408
ENSG00000125936	NSL1	NSL1, MIS1	ENSG00000120.43482	0.868675	1.216831	0.713882
ENSG00000158191	CXCL16	C-X-C moti	ENSG00000113.09198	2.940857	4.12104	0.71362
ENSG00000122924	MAPRE3	microtubul	ENSG00000131.54572	-0.76877	1.077404	-0.71353
ENSG000001164045	HFM1	HFM1, ATP	ENSG0000016.779566	1.425666	1.99886	0.713239
ENSG00000151278	IER5	immediate	ENSG00000126.74462	0.776725	1.089093	0.713185
ENSG00000180014	WWC2	WW and C	ENSG00000181.19784	-0.53798	0.754393	-0.71313
ENSG00000151533	PHF7	PHD finger	ENSG0000015.206659	-1.80774	2.535394	-0.713
ENSG0000010279314			ENSG0000015.206659	-1.80774	2.535394	-0.713
ENSG0000015387	PMS2P3	PMS1 hom	ENSG0000015.251909	-1.83115	2.568775	-0.71285
ENSG0000014128	MAOA	monoamin	ENSG000001165.0499	-0.45112	0.632852	-0.71284
ENSG000001138199	CARNMT1	carnosine l	ENSG00000116.54355	-1.02845	1.442837	-0.7128
ENSG000001154091	SLC2A12	solute carr	ENSG00000131.39023	0.73838	1.035925	0.712774
ENSG00000155746	NUP133	nucleopor	ENSG00000157.63944	-0.6013	0.843674	-0.71272
ENSG000001143689	PIWIL4	piwi like R	ENSG0000015.339142	1.655815	2.323562	0.712619
ENSG00000165986	ZBTB10	zinc finger	ENSG00000186.0561	-0.53265	0.74756	-0.71252
ENSG0000017518	XRCC4	X-ray repai	ENSG0000018.297936	1.2785	1.794656	0.712393
ENSG000001387032	ZKSCAN4	zinc finger	ENSG0000019.754707	1.19382	1.675795	0.71239
ENSG000001138241	C9orf85	chromosom	ENSG0000019.754707	1.19382	1.675795	0.71239
ENSG00000110901	DHRS4	dehydroge	ENSG00000112.7135	1.061011	1.490027	0.712075
ENSG00000151433	ANAPC5	anaphase p	ENSG00000190.68131	0.507752	0.713203	0.711932
ENSG000001151613	TTC14	tetratricop	ENSG00000126.78359	0.775287	1.089025	0.71191
ENSG000001138639	PTPDC1	protein tyr	ENSG00000126.51902	-0.81943	1.15107	-0.71188

ENSG00000192935	MARS2	methionyl-	ENSG000001121148	1.130895	1.588928	0.711734
ENSG0000013192	HNRNP	heterogen	ENSG0000013181601	-0.39366	0.553095	-0.71173
ENSG00000183605	CCM2	CCM2 scaff	ENSG0000012507415	0.810651	1.140096	0.711038
ENSG000001836	CASP3	caspase 3	ENSG0000011889383	0.895624	1.260147	0.71073
ENSG0000018615	USO1	USO1 vesic	ENSG0000012040235	0.423196	0.595518	0.710636
ENSG00000191749	MFSD4B	major facil	ENSG0000011631979	-1.00707	1.417336	-0.71054
ENSG0000012145	EZH1	enhancer c	ENSG0000011181179	-0.47893	0.674492	-0.71006
ENSG00000127018	BEX3	brain expr	ENSG000001451335	0.694512	0.978751	0.70959
ENSG00000179594	MUL1	mitochond	ENSG0000012402515	-0.85414	1.204025	-0.70941
ENSG00000179815	NIPAL2	NIPA like d	ENSG0000012676097	0.779411	1.098748	0.709362
ENSG0000015575	PRKAR1B	protein kin	ENSG0000011275247	1.058923	1.492889	0.709311
ENSG0000012113	ETS1	ETS proto-	ENSG000001164356	-0.44325	0.625028	-0.70917
ENSG00000126873	OPLAH	5-oxoprolir	ENSG000001188589	-0.94194	1.328284	-0.70914
ENSG000001196513	DCP1B	decapping	ENSG000001188589	-0.94194	1.328284	-0.70914
ENSG00000110426	TUBGCP3	tubulin gar	ENSG0000013135086	-0.76211	1.074757	-0.7091
ENSG000001644150	WIPF3	WAS/WAS	ENSG0000011116361	-1.23537	1.744051	-0.70833
ENSG000001387700	SLC16A12	solute carr	ENSG000001137417	-1.0969	1.548656	-0.70829
ENSG00000150940	PDE11A	phosphodi	ENSG0000019715735	1.196021	1.688741	0.708232
ENSG00000155334	SLC39A9	solute carr	ENSG0000014327588	-0.66164	0.934277	-0.70818
ENSG00000130835	CD209	CD209 mol	ENSG0000012267144	-1.00113	1.413755	-0.70814
ENSG00000166008	TRAK2	trafficking	ENSG0000014244534	0.375289	0.530071	0.707999
ENSG00000155885	LMO3	LIM domai	ENSG0000011106932	-1.23128	1.739455	-0.70785
ENSG00000126959	HBP1	HMG-box t	ENSG0000017584314	0.532413	0.752195	0.707813
ENSG0000015867	RAB4A	RAB4A, me	ENSG0000013646075	0.685989	0.969267	0.70774
ENSG00000155860	ACTR10	actin relat	ENSG0000013646075	0.685989	0.969267	0.70774
ENSG00000123534	TNPO3	transportir	ENSG000001668858	-0.56552	0.799262	-0.70755
ENSG0000018803	SUCLA2	succinate-	ENSG0000011099778	0.49811	0.704	0.707543
ENSG0000011845	DUSP3	dual specif	ENSG0000014585993	-0.39901	0.564023	-0.70744
ENSG00000179733	E2F8	E2F transcr	ENSG0000018176961	-1.40272	1.983149	-0.70732
ENSG00000110956	OS9	OS9, endo	ENSG0000011169576	0.479963	0.678671	0.70721
ENSG000001205428	DIPK2A	divergent	ENSG0000011573389	0.969385	1.370851	0.707141
ENSG000001280347			ENSG0000011115354	-1.24579	1.7618	-0.70711
ENSG00000158516	SINHCAF	SIN3-HDAC	ENSG0000011096247	-1.21056	1.711996	-0.70711
ENSG00000189890	KBTBD6	kelch repe	ENSG0000012631788	-0.80829	1.143157	-0.70707
ENSG0000012009	EML1	echinoderr	ENSG0000015358575	-0.64026	0.905698	-0.70693
ENSG000001104355295	SGMS1-AS	SGMS1 ant	ENSG0000015167686	-1.80153	2.548732	-0.70684
ENSG000001257438			ENSG0000015167686	-1.80153	2.548732	-0.70684
ENSG00000110535	RNASEH2A	ribonuclea	ENSG0000015167686	-1.80153	2.548732	-0.70684
ENSG00000127154	BRPF3	bromodorr	ENSG0000014147842	-0.70674	1.000242	-0.70657
ENSG000001233836			ENSG0000015484963	1.550154	2.194438	0.706401
ENSG00000123549	DNPEP	aspartyl an	ENSG0000014461953	0.634874	0.898791	0.706364
ENSG0000018567	MADD	MAP kinas	ENSG0000018793398	-0.51893	0.734762	-0.70626
ENSG0000017289	TULP3	tubby like	ENSG0000011888153	-0.94542	1.338638	-0.70625
ENSG0000012356	FPGS	folylpolygl	ENSG0000012382401	-0.84194	1.192947	-0.70577
ENSG00000154856	GON4L	gon-4 like	ENSG0000018550799	-0.52152	0.738975	-0.70573
ENSG00000123060	ZNF609	zinc finger	ENSG0000011017595	-0.49556	0.702456	-0.70547
ENSG00000111311	VPS45	vacuolar pi	ENSG0000014783099	0.619432	0.878071	0.705446

ENSG00000151123	ZNF706	zinc finger	ENSG00000128.75015	-0.77706	1.102272	-0.70496
ENSG00000154108	CHRA1	chromatin	ENSG00000118.81365	-0.93483	1.326105	-0.70494
ENSG00000110155	TRIM28	tripartite n	ENSG00000164.49878	-0.5716	0.81124	-0.7046
ENSG0000012961	GTF2E2	general tra	ENSG00000113.6801	-1.08941	1.546549	-0.70441
ENSG0000019646	CTR9	CTR9 homc	ENSG00000159.34078	0.574517	0.815934	0.704122
ENSG000001375484	SIMC1	SUMO inte	ENSG0000015.145061	-1.78948	2.541469	-0.70411
ENSG0000010268713			ENSG0000015.145061	-1.78948	2.541469	-0.70411
ENSG00000110465	PPIH	peptidylpro	ENSG0000019.777332	1.178799	1.674387	0.704018
ENSG0000015025	P2RX4	purinergic	ENSG0000019.777332	1.178799	1.674387	0.704018
ENSG00000184456	L3MBTL3	L3MBTL3, l	ENSG0000016.902762	1.373218	1.951615	0.703632
ENSG000001112399	EGLN3	egl-9 famil	ENSG00000189.2269	0.551668	0.784816	0.702927
ENSG0000018497	PPFIA4	PTPRF inte	ENSG00000131.23773	-0.75147	1.069082	-0.70291
ENSG000001169714	QSOX2	quiescin su	ENSG00000114.31609	0.993549	1.413944	0.702679
ENSG0000016643	SNX2	sorting nex	ENSG00000144.56421	0.634757	0.903542	0.702521
ENSG00000110116	FEM1B	fem-1 hom	ENSG000001134.2482	0.455019	0.648819	0.701303
ENSG00000125927	CNRIP1	cannabinoid	ENSG00000113.60216	-1.08413	1.545931	-0.70128
ENSG0000016819	SULT1C2	sulfotransf	ENSG0000015.30723	-1.83277	2.613708	-0.70122
ENSG000001116988	AGAP3	ArfGAP wit	ENSG00000126.23365	-0.80166	1.143461	-0.70108
ENSG00000164097	EPB41L4A	erythrocyte	ENSG00000121.26855	-0.87913	1.254167	-0.70096
ENSG0000016201	RPS7	ribosomal	ENSG000001169.6271	0.449501	0.641419	0.700791
ENSG00000151629	SLC25A39	solute carr	ENSG00000126.27263	-0.80317	1.146185	-0.70074
ENSG0000017174	TPP2	tripeptidyl	ENSG00000179.27837	0.521405	0.744177	0.700647
ENSG0000015729	PTGDR	prostagland	ENSG0000015.445991	1.551141	2.213902	0.700637
ENSG0000013550	IK	IK cytokine	ENSG000001100.5558	0.49433	0.705595	0.700585
ENSG000001114987	WDR31	WD repeat	ENSG00000129.64521	-0.82777	1.18167	-0.7005
ENSG000001142685	ASB15	ankyrin re	ENSG00000176.18369	-0.54143	0.773228	-0.70021
ENSG0000012954	GSTZ1	glutathione	ENSG0000019.816305	1.176577	1.680396	0.700178
ENSG00000123564	DDAH2	dimethylar	ENSG00000113.6185	-1.08189	1.545262	-0.70013
ENSG00000126031	OSBPL3	oxysterol b	ENSG00000115.89606	0.947532	1.353468	0.700077
ENSG00000156658	TRIM39	tripartite n	ENSG0000018.115363	-1.39066	1.986708	-0.69998
ENSG000001414189	AGAP6	ArfGAP wit	ENSG0000018.115363	-1.39066	1.986708	-0.69998
ENSG000001254359	ZDHHC24	zinc finger	ENSG0000018.115363	-1.39066	1.986708	-0.69998
ENSG00000192856	IMP4	IMP4, U3 s	ENSG00000123.78504	-0.84028	1.200484	-0.69995
ENSG00000155144	LRRC8D	leucine ric	ENSG00000112.8367	1.035833	1.48011	0.699835
ENSG00000185369	STRIP1	striatin int	ENSG00000128.49303	0.74416	1.063885	0.699474
ENSG0000014205	MEF2A	myocyte ei	ENSG000001305.3192	0.390262	0.55815	0.699207
ENSG00000157162	PELI1	pellino E3	ENSG00000133.36241	0.697781	0.998273	0.698988
ENSG0000010240342			ENSG00000126.38575	-0.81576	1.16714	-0.69894
ENSG0000013320	HSP90AA1	heat shock	ENSG000001484.9815	-0.37193	0.532181	-0.69887
ENSG0000018089	YEATS4	YEATS dom	ENSG00000111.27308	1.116027	1.59807	0.698359
ENSG0000012769	GNA15	G protein s	ENSG0000015.115376	1.777212	2.545247	0.698247
ENSG00000158515	SELENOK	selenoprot	ENSG00000149.67998	0.602273	0.862783	0.698059
ENSG0000015170	PDPK1	3-phospho	ENSG00000141.24589	-0.68929	0.987495	-0.69802
ENSG0000017009	TMBIM6	transmem	ENSG000001377.616	0.378598	0.542445	0.697948
ENSG0000019422	ZNF264	zinc finger	ENSG00000169.01008	-0.55357	0.793517	-0.69761
ENSG00000148	ACO1	aconitase 1	ENSG000001108.9369	-0.48969	0.702002	-0.69756
ENSG0000016792	CDKL5	cyclin depe	ENSG00000147.86512	-0.62815	0.900714	-0.6974

ENSG00000125996	REXO2	RNA exonu	ENSG000001430591	0.640614	0.918802	0.697227
ENSG000001152687	ZNF595	zinc finger	ENSG0000011615762	-0.99207	1.423039	-0.69715
ENSG00000125980	AAR2	AAR2 splici	ENSG0000011626447	-1.00649	1.444231	-0.6969
ENSG00000164225	ATL2	atlastin GT	ENSG0000014543913	-0.63938	0.91781	-0.69664
ENSG00000155841	WWC3	WWC fami	ENSG000001101.669	-0.49313	0.707865	-0.69664
ENSG0000012965	GTF2H1	general tra	ENSG0000013348521	-0.71965	1.033372	-0.69641
ENSG00000164850	ETNPPL	ethanolam	ENSG0000015184034	-1.796	2.579588	-0.69623
ENSG000001118812	MORN4	MORN rep	ENSG0000015184034	-1.796	2.579588	-0.69623
ENSG000001333	APLP1	amyloid be	ENSG0000015184034	-1.796	2.579588	-0.69623
ENSG0000019219	MTA2	metastasis	ENSG0000014565283	-0.64995	0.933712	-0.69609
ENSG000001270344			ENSG0000018160613	-1.40624	2.020533	-0.69598
ENSG00000151103	NDUFAF1	NADH:ubic	ENSG0000012788085	0.811755	1.166938	0.695628
ENSG000001269737			ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001619518	SSBP3-AS1	SSBP3 anti	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001152330	CNTN4	contactin 4	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001238278			ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001273340			ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001100847048	MIR5690	microRNA	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001261629			ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG0000014920	ROR2	receptor ty	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG0000015031	P2RY6	pyrimidine	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001259290	TAS2R31	taste 2 rec	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001144233	BCDIN3D	BCDIN3 do	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001279283			ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG0000017223	TRPC4	transient r	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG00000155451	LINC00216	long interg	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001261191			ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001664618	HSP90AB4	heat shock	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001220	ALDH1A3	aldehyde d	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001780776	TVP23A	trans-golgi	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001238045			ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001283932	FBXL19-AS	FBXL19 ant	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001100506713	ALOX12-AS	ALOX12 an	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG0000018735	MYH13	myosin he	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG00000178995	C17orf53	chromosor	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001104355426	LENG8-AS1	LENG8 anti	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG00000191319	DERL3	derlin 3	ENSG0000011782547	-2.90313	4.174236	-0.69549
ENSG000001100506697	LINC00327	long interg	ENSG0000013943969	1.975672	2.842286	0.6951
ENSG000001818	CAMK2G	calcium/ca	ENSG0000013008935	0.734436	1.056977	0.694845
ENSG00000157221	ARFGEF3	ARFGEF far	ENSG0000011617397	-0.9902	1.425182	-0.69479
ENSG0000011857	DVL3	dishevellec	ENSG0000017361567	-0.53898	0.775827	-0.69471
ENSG00000158504	ARHGAP22	Rho GTPas	ENSG0000014174013	1.713484	2.466479	0.694708
ENSG000001101929145	PPP3CB-AS	PPP3CB an	ENSG0000014174013	1.713484	2.466479	0.694708
ENSG00000191057	CCDC34	coiled-coil	ENSG0000014174013	1.713484	2.466479	0.694708
ENSG00000126074	CFAP61	cilia and fl	ENSG0000014565662	-0.64576	0.929548	-0.69471
ENSG00000157188	ADAMTSL3	ADAMTS li	ENSG0000015248326	-0.60375	0.869071	-0.69471
ENSG000001254295	PHYHD1	phytanoyl-	ENSG0000011091722	-1.19856	1.725527	-0.69461

ENSG0000010794	ZNF460	zinc finger	ENSG0000016655519	-0.55609	0.800702	-0.69451
ENSG00000155075	UACA	uveal auto	ENSG0000011330497	-0.47975	0.690774	-0.6945
ENSG0000010261553			ENSG0000011872943	-0.92568	1.332958	-0.69446
ENSG000001728554	LOC728554	THO compl	ENSG0000014112415	1.762307	2.537783	0.694428
ENSG0000016150	MRPL23	mitochond	ENSG0000014112415	1.762307	2.537783	0.694428
ENSG0000013606	IL18	interleukin	ENSG0000014112415	1.762307	2.537783	0.694428
ENSG00000157862	ZNF410	zinc finger	ENSG0000014112415	1.762307	2.537783	0.694428
ENSG00000110859	LILRB1	leukocyte i	ENSG0000014112415	1.762307	2.537783	0.694428
ENSG00000181792	ADAMTS12	ADAM met	ENSG0000015083463	-1.77101	2.550323	-0.69443
ENSG0000010228653			ENSG0000015083463	-1.77101	2.550323	-0.69443
ENSG000001102724555	LOC102724	uncharacte	ENSG0000015083463	-1.77101	2.550323	-0.69443
ENSG00000122995	CEP152	centrosom	ENSG0000015083463	-1.77101	2.550323	-0.69443
ENSG000001595101	SMG1P5	SMG1 pset	ENSG0000015083463	-1.77101	2.550323	-0.69443
ENSG000001147804	TPM3P9	tropomyos	ENSG0000015083463	-1.77101	2.550323	-0.69443
ENSG000001150368	PHETA2	PH domain	ENSG0000015083463	-1.77101	2.550323	-0.69443
ENSG00000151604	PIGT	phosphatic	ENSG0000011061128	0.47721	0.687237	0.694389
ENSG00000129110	TBK1	TANK bindi	ENSG0000013669079	0.668277	0.962763	0.694124
ENSG000001146223	CMTM4	CKLF like	ENSG0000012372344	-0.8358	1.204118	-0.69412
ENSG0000019727	RAB11FIP3	RAB11 fam	ENSG0000012625	-0.80064	1.153603	-0.69403
ENSG00000123582	CCNDBP1	cyclin D1 b	ENSG0000015136052	0.595629	0.858254	0.694001
ENSG00000154475	NLE1	notchless	ENSG0000015106088	-1.78313	2.56944	-0.69398
ENSG00000123201	FAM168A	family with	ENSG0000017387841	-0.54498	0.785396	-0.69389
ENSG000001118433	RPL23AP7	ribosomal	ENSG000001696436	1.347757	1.94237	0.693873
ENSG000001119392	SFR1	SWI5 depe	ENSG000001696436	1.347757	1.94237	0.693873
ENSG00000156987	BBX	BBX, HMG-	ENSG000001126742	-0.45989	0.662896	-0.69375
ENSG00000151008	ASCC1	activating	ENSG0000013665182	0.66946	0.964984	0.693753
ENSG0000015451	POU2F1	POU class	ENSG0000015037154	-0.62534	0.90146	-0.6937
ENSG00000179140	CCDC28B	coiled-coil	ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG000001101928118	LOC101928	uncharacte	ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG0000010219881			ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG0000010253116			ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG00000129901	SAC3D1	SAC3 dom	ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG0000016540	SLC6A13	solute carr	ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG0000010258987			ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG0000019153	SLC28A2	solute carr	ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG00000184446	BRSK1	BR serine/	ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG000001100132288	TEKT4P2	tektin 4 ps	ENSG000001182152	-2.9215	4.215236	-0.69308
ENSG00000128232	SLCO3A1	solute carr	ENSG0000014543285	-0.63744	0.919747	-0.69306
ENSG0000010229127			ENSG0000015384393	1.587017	2.290571	0.692847
ENSG000001727	C5	compleme	ENSG0000015384393	1.587017	2.290571	0.692847
ENSG00000155149	MTPAP	mitochond	ENSG0000012862067	-0.76628	1.106054	-0.6928
ENSG000001285282	RABL3	RAB, mem	ENSG0000012220586	0.814356	1.175455	0.692801
ENSG0000015295	PIK3R1	phosphoin	ENSG0000013865739	0.394022	0.569188	0.692252
ENSG00000157630	SH3RF1	SH3 domai	ENSG0000013820392	-0.6779	0.979536	-0.69206
ENSG00000110235	RASGRP2	RAS guany	ENSG0000012224483	0.812743	1.174422	0.692037
ENSG0000015147	PDE6D	phosphodi	ENSG0000011289829	1.023391	1.478862	0.692012
ENSG000001207	AKT1	AKT serine	ENSG0000018063339	-0.52639	0.760936	-0.69177

ENSG000001283987	HID1	HID1 domain	ENSG000001283987	8.07639	-1.38646	2.004421	-0.6917
ENSG000001440498	HSBP1L1	heat shock protein 1	ENSG000001440498	8.07639	-1.38646	2.004421	-0.6917
ENSG00000179739	TTLL7	tubulin tyrosine	ENSG00000179739	15.95766	0.937675	1.355663	0.691673
ENSG00000126973	CHORDC1	cysteine aryl	ENSG00000126973	35.79428	-0.69521	1.005147	-0.69165
ENSG000001167838	TXLNB	taxilin beta	ENSG000001167838	220.7597	0.417767	0.604236	0.691397
ENSG00000184981	MIR22HG	MIR22 host gene	ENSG00000184981	23.65557	-0.8273	1.196775	-0.69127
ENSG000001283229	CRACR2B	calcium release	ENSG000001283229	5.122436	-1.77742	2.572259	-0.691
ENSG000001201931	TMEM192	transmembrane	ENSG000001201931	33.40726	-0.71716	1.038039	-0.69088
ENSG0000017372	UMPS	uridine monophosphate	ENSG0000017372	10.83927	-1.19211	1.725516	-0.69087
ENSG000001211895			ENSG000001211895	17.24323	-3.67515	5.320679	-0.69073
ENSG0000019127	P2RX6	purinergic receptor	ENSG0000019127	5.430426	-1.8695	2.706779	-0.69067
ENSG00000123589	CARHSP1	calcium release	ENSG00000123589	16.09602	-0.98564	1.427489	-0.69047
ENSG0000013760	KCNJ3	potassium channel	ENSG0000013760	4.151388	1.763392	2.554029	0.690436
ENSG000001101929425	BTBD9-AS1	BTBD9 anti-sense	ENSG000001101929425	4.151388	1.763392	2.554029	0.690436
ENSG0000019692	KIAA0391	KIAA0391	ENSG0000019692	5.569186	1.483461	2.149551	0.690126
ENSG00000123400	ATP13A2	ATPase catalytic	ENSG00000123400	12.79772	1.038083	1.504218	0.690115
ENSG00000180219	COQ10B	coenzyme Q10	ENSG00000180219	27.05261	0.74892	1.085889	0.689684
ENSG00000126140	TTLL3	tubulin tyrosine	ENSG00000126140	22.13798	0.829791	1.204486	0.688917
ENSG0000019935	MAFB	MAF bZIP transcription	ENSG0000019935	21.40509	0.907533	1.317843	0.68865
ENSG00000184868	HAVCR2	hepatitis A virus	ENSG00000184868	12.61293	1.07682	1.563883	0.688556
ENSG00000127347	STK39	serine/threonine	ENSG00000127347	38.28187	-0.68016	0.987814	-0.68855
ENSG000001339855	KY	kyphoscoliosis	ENSG000001339855	14.33244	1.000222	1.452781	0.688488
ENSG00000123307	FKBP15	FK506 binding	ENSG00000123307	76.35855	0.516185	0.749799	0.688431
ENSG00000127248	ERLEC1	endoplasmic reticulum	ENSG00000127248	56.45993	0.569545	0.828111	0.687764
ENSG0000011285	COL4A3	collagen type IV	ENSG0000011285	18.7684	-0.9278	1.349077	-0.68773
ENSG0000019581	PREPL	prolyl endopeptidase	ENSG0000019581	130.0014	-0.47112	0.685395	-0.68736
ENSG00000154989	ZNF770	zinc finger protein	ENSG00000154989	80.55296	-0.52216	0.75966	-0.68736
ENSG0000011346	COX7A1	cytochrome c oxidase	ENSG0000011346	237.2081	0.398505	0.580049	0.68702
ENSG0000011490	CTGF	connective tissue	ENSG0000011490	48.13271	0.607305	0.884463	0.686637
ENSG0000015905	RANGAP1	Ran GTPase activating	ENSG0000015905	41.68336	0.63264	0.921712	0.686374
ENSG0000017582	ZNF33B	zinc finger protein	ENSG0000017582	30.89077	-0.73272	1.067564	-0.68635
ENSG00000126578	OSTF1	osteoclast factor	ENSG00000126578	26.97466	0.751851	1.095438	0.686347
ENSG0000014864	NPC1	NPC intracellular	ENSG0000014864	31.18869	-0.75371	1.098367	-0.68621
ENSG000001728661	SLC35E2B	solute carrier	ENSG000001728661	33.30041	-0.70988	1.034505	-0.6862
ENSG00000179724	ZNF768	zinc finger protein	ENSG00000179724	21.1001	-0.86278	1.257604	-0.68605
ENSG00000122885	ABLIM3	actin binding	ENSG00000122885	201.9786	0.408932	0.596436	0.685625
ENSG00000179142	PHF23	PHD finger	ENSG00000179142	20.72646	0.827534	1.2072	0.685499
ENSG00000193621	MRFAP1	Morf4 family	ENSG00000193621	104.607	0.473501	0.690901	0.685339
ENSG000001116225	ZMYND19	zinc finger protein	ENSG000001116225	8.03114	-1.37042	2.000112	-0.68517
ENSG00000180312	TET1	tet methylase	ENSG00000180312	22.05376	0.841666	1.228544	0.685092
ENSG00000184816	RTN4IP1	reticulon 4 interacting	ENSG00000184816	11.20258	-1.23941	1.809663	-0.68488
ENSG00000127101	CACYBP	calcyclin binding	ENSG00000127101	30.31939	0.71264	1.040726	0.684753
ENSG00000190268	OTULIN	OTU deubiquitinase	ENSG00000190268	47.55713	-0.61652	0.900545	-0.6846
ENSG00000159342	SCPEP1	serine carboxyl	ENSG00000159342	84.42304	0.506449	0.73979	0.684585
ENSG000001261189			ENSG000001261189	4.235611	1.666683	2.435112	0.684438
ENSG00000127099	SND1-IT1	SND1 intron	ENSG00000127099	4.235611	1.666683	2.435112	0.684438
ENSG000001240527			ENSG000001240527	4.235611	1.666683	2.435112	0.684438

ENSG0000010225422			ENSG0000010235611	1.666683	2.435112	0.684438
ENSG00000108787	RGS9	regulator c	ENSG0000010235611	1.666683	2.435112	0.684438
ENSG000001103625684	RNU6-2	RNA, U6 sn	ENSG0000010235611	1.666683	2.435112	0.684438
ENSG000001027439	TMEM121	transmembr	ENSG0000010235611	1.666683	2.435112	0.684438
ENSG00000109619	ABCG1	ATP bindin	ENSG00000102634678	-0.81402	1.189426	-0.68438
ENSG000001023326	USP22	ubiquitin s	ENSG0000010188.6963	-0.44402	0.648942	-0.68422
ENSG000001055039	TRMT12	tRNA meth	ENSG000001011.4189	1.075068	1.571287	0.684196
ENSG000001010039	PARP3	poly(ADP-r	ENSG000001016.04188	0.920141	1.345092	0.684073
ENSG00000108463	TEAD2	TEA domai	ENSG000001049.90518	-0.60514	0.884782	-0.68394
ENSG0000010221303	FAM162B	family with	ENSG00000105.021865	-1.7523	2.562136	-0.68392
ENSG0000010279518			ENSG00000105.021865	-1.7523	2.562136	-0.68392
ENSG00000109719	ADAMTSL2	ADAMTS li	ENSG00000105.021865	-1.7523	2.562136	-0.68392
ENSG0000010219333	USP12	ubiquitin s	ENSG000001041.72861	0.627846	0.9185	0.683556
ENSG0000010441027	TMEM150	transmembr	ENSG000001023.53237	-0.81827	1.197341	-0.6834
ENSG0000010228056			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010279484			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010234737			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010199223	TTC21A	tetratricop	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010243384			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010241344			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010401164	LINC01060	long interg	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010249057			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG00000109796	PHYHIP	phytanoyl-	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010212125			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010255864			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG000001064067	NPAS3	neuronal P	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG000001023729	SHPK	sedoheptu	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG000001051168	MYO15A	myosin XV	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010100505715	LOC100505	uncharacte	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG0000010280384			ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG00000106173	RPL36A	ribosomal	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG00000109087	TMSB4Y	thymosin b	ENSG00000101.759922	-2.87431	4.207056	-0.68321
ENSG00000107322	UBE2D2	ubiquitin c	ENSG000001053.06368	0.587473	0.859893	0.683194
ENSG000001051114	ZDHHC9	zinc finger	ENSG000001026.16578	-0.79402	1.162266	-0.68317
ENSG00000105378	PMS1	PMS1 hom	ENSG000001025.43367	0.764691	1.119636	0.682982
ENSG0000010677767	SCARNA7	small Cajal	ENSG0000010121.3005	0.456357	0.668298	0.682865
ENSG000001010133	OPTN	optineurin	ENSG0000010226.3971	0.409539	0.599893	0.682687
ENSG000001023658	LSM5	LSM5 hom	ENSG000001016.01926	0.927852	1.359445	0.682523
ENSG000001023235	SIK2	salt induc	ENSG0000010101.7633	-0.49417	0.724114	-0.68245
ENSG000001055890	GPRC5C	G protein-c	ENSG000001010.95619	-1.20212	1.761884	-0.68229
ENSG000001026061	HACL1	2-hydroxya	ENSG000001015.94131	0.931897	1.366241	0.682089
ENSG00000105160	PDHA1	pyruvate d	ENSG0000010302.101	0.429531	0.629911	0.681891
ENSG000001025923	ATL3	atlastin GT	ENSG0000010105.7227	-0.47815	0.701324	-0.68178
ENSG000001057169	ZNFX1	zinc finger	ENSG0000010156.9776	0.423931	0.621805	0.681774
ENSG00000103489	IGFBP6	insulin like	ENSG000001016.08974	-0.97965	1.437026	-0.68172
ENSG00000106188	RPS3	ribosomal	ENSG0000010223.9271	0.416192	0.610704	0.681495
ENSG00000106345	SRL	sarcalum	ENSG0000010742.1984	-0.34896	0.51209	-0.68144

ENSG0000016903	TBCC	tubulin fold	ENSG0000016903	7.025958	1.322651	1.94113	0.681382
ENSG000001159	ADSS	adenylosuccinate	ENSG000001159	8.014792	-1.3742	2.018197	-0.68091
ENSG0000019562	MINPP1	multiple in	ENSG0000019562	8.014792	-1.3742	2.018197	-0.68091
ENSG0000011893	ECM1	extracellular	ENSG0000011893	30.84552	-0.72835	1.069798	-0.68083
ENSG000001100653233	LOC100653233	uncharacterized	ENSG000001100653233	5.546561	1.515231	2.225643	0.680806
ENSG0000018764	TNFRSF14	TNF receptor	ENSG0000018764	14.46191	0.962764	1.414264	0.680753
ENSG0000016095	RORA	RAR related	ENSG0000016095	70.88169	-0.53486	0.785699	-0.68074
ENSG0000018721	EDF1	endothelial	ENSG0000018721	72.97864	0.527096	0.774373	0.680674
ENSG000001126731	CCSAP	centriole, c	ENSG000001126731	9.962126	1.12841	1.657894	0.680629
ENSG00000155093	WDYHV1	WDYHV motif	ENSG00000155093	9.962126	1.12841	1.657894	0.680629
ENSG0000016814	STXBP3	syntaxin binding	ENSG0000016814	41.68964	0.628954	0.924302	0.680464
ENSG00000110556	RPP30	ribonucleoprotein	ENSG00000110556	13.39474	-1.05648	1.552777	-0.68038
ENSG0000016259	RYK	receptor-like	ENSG0000016259	88.22158	0.489071	0.718945	0.680263
ENSG00000151451	LCMT1	leucine carboxyl	ENSG00000151451	20.78806	0.820238	1.205806	0.68024
ENSG0000013660	IRF2	interferon	ENSG0000013660	37.9965	-0.6675	0.981285	-0.68023
ENSG00000151035	UBXN1	UBX domain	ENSG00000151035	38.45555	0.650391	0.95626	0.680141
ENSG00000164430	PCNX4	pecanex 4	ENSG00000164430	68.56634	-0.5397	0.793857	-0.67985
ENSG0000011797	DXO	decapping	ENSG0000011797	5.044491	-1.76443	2.595733	-0.67974
ENSG0000016297	SALL2	spalt like transcription	ENSG0000016297	5.044491	-1.76443	2.595733	-0.67974
ENSG0000010263072			ENSG0000010263072	5.044491	-1.76443	2.595733	-0.67974
ENSG00000127352	SGSM3	small G protein	ENSG00000127352	21.07748	-0.85959	1.264681	-0.67969
ENSG0000019725	TMEM63A	transmembrane	ENSG0000019725	49.92152	-0.60473	0.889828	-0.6796
ENSG00000151091	SEPSECS	Sep (O-phospho)	ENSG00000151091	17.64447	0.877985	1.292104	0.6795
ENSG00000154971	BANP	BTG3 associated	ENSG00000154971	17.5439	0.888628	1.307911	0.679426
ENSG000001147727	ILF3-DT	ILF3 divergent	ENSG000001147727	17.5439	0.888628	1.307911	0.679426
ENSG00000110605	PAIP1	poly(A) binding	ENSG00000110605	73.13702	0.518647	0.763446	0.67935
ENSG00000181490	PTDSS2	phosphatidylserine	ENSG00000181490	18.58361	-0.91083	1.340999	-0.67922
ENSG00000123111	SPART	spartin	ENSG00000123111	78.15222	0.507784	0.747634	0.679188
ENSG000001113178	SCAMP4	secretory carrier	ENSG000001113178	10.73242	-1.17054	1.723941	-0.67899
ENSG00000159272	ACE2	angiotensin II	ENSG00000159272	47.67405	-0.61938	0.91238	-0.67887
ENSG00000151309	ARMCX1	armadillo repeat	ENSG00000151309	25.94201	-0.78005	1.149085	-0.67884
ENSG0000012055	CLN8	CLN8, transmembrane	ENSG0000012055	33.17722	-0.70333	1.036415	-0.67862
ENSG00000155604	CARMIL1	capping protein	ENSG00000155604	23.99325	0.771368	1.137253	0.678273
ENSG000001200765	TIGD1	tigger transmembrane	ENSG000001200765	2.778839	2.202817	3.248808	0.678039
ENSG0000011233	CCR4	C-C motif class	ENSG0000011233	2.778839	2.202817	3.248808	0.678039
ENSG00000126996	GPR160	G protein-coupled	ENSG00000126996	2.778839	2.202817	3.248808	0.678039
ENSG000001285638	LOC285638	uncharacterized	ENSG000001285638	2.778839	2.202817	3.248808	0.678039
ENSG000001101929140	LOC101929140	uncharacterized	ENSG000001101929140	2.778839	2.202817	3.248808	0.678039
ENSG000001284029	LINC00324	long intergenic	ENSG000001284029	2.778839	2.202817	3.248808	0.678039
ENSG0000010240531			ENSG0000010240531	2.778839	2.202817	3.248808	0.678039
ENSG000001360	AQP3	aquaporin	ENSG000001360	13.41108	-1.05418	1.555053	-0.67791
ENSG0000016542	SLC7A2	solute carrier	ENSG0000016542	106.0206	-0.48427	0.714397	-0.67787
ENSG0000011195	CLK1	CDC like kinase	ENSG0000011195	113.6581	0.481963	0.711082	0.677789
ENSG0000016294	SAFB	scaffold attachment	ENSG0000016294	57.10769	-0.5848	0.863012	-0.67763
ENSG000001160518	DENND5B	DENN domain	ENSG000001160518	117.1135	-0.46142	0.681137	-0.67742
ENSG0000015756	TWF1	twinfilin associated	ENSG0000015756	28.35793	-0.75208	1.111052	-0.67691
ENSG0000010229436			ENSG0000010229436	4.99924	-1.73976	2.570336	-0.67686



ENSG000001270108			ENSG000001	4.99924	-1.73976	2.570336	-0.67686
ENSG000001283848	CES4A	carboxyles	ENSG000001	4.99924	-1.73976	2.570336	-0.67686
ENSG0000019953	HS3ST3B1	heparan su	ENSG000001	4.99924	-1.73976	2.570336	-0.67686
ENSG00000157719	ANO8	anoctamin	ENSG000001	4.99924	-1.73976	2.570336	-0.67686
ENSG000001342908	ZNF404	zinc finger	ENSG000001	4.99924	-1.73976	2.570336	-0.67686
ENSG00000122934	RPIA	ribose 5-ph	ENSG000001	10.833	-1.18334	1.74833	-0.67684
ENSG00000155244	SLC47A1	solute carr	ENSG000001	10.833	-1.18334	1.74833	-0.67684
ENSG00000123633	KPNA6	karyopheri	ENSG000001	175.7015	-0.43412	0.641586	-0.67664
ENSG00000155768	NGLY1	N-glycanas	ENSG000001	33.69302	0.672748	0.994346	0.676573
ENSG00000111149	BVES	blood vess	ENSG000001	82.6367	0.557338	0.823896	0.676467
ENSG00000123203	PMPCA	peptidase,	ENSG000001	48.2559	0.601236	0.888831	0.676434
ENSG0000011019	CDK4	cyclin depe	ENSG000001	21.01588	-0.85455	1.263494	-0.67634
ENSG0000012197	FAU	FAU, ubiqu	ENSG000001	84.63046	0.500367	0.739855	0.676304
ENSG0000011603	DAD1	defender a	ENSG000001	36.95981	0.649608	0.960602	0.676251
ENSG00000127244	SESN1	sestrin 1	ENSG000001	67.62655	0.553885	0.819223	0.67611
ENSG0000015533	PPP3CC	protein phi	ENSG000001	47.39496	-0.61089	0.903958	-0.6758
ENSG000001958	CD40	CD40 mole	ENSG000001	9.861555	1.147592	1.698212	0.675765
ENSG0000017417	VDAC2	voltage de	ENSG000001	156.7966	0.427773	0.633237	0.675533
ENSG0000019261	MAPKAPK2	mitogen-ac	ENSG000001	304.9077	-0.38347	0.567687	-0.6755
ENSG00000157698	SHTN1	shootin 1	ENSG000001	8.505355	1.19964	1.776021	0.675465
ENSG00000123265	EXOC7	exocyst co	ENSG000001	45.14121	-0.62472	0.925006	-0.67536
ENSG00000122849	CPEB3	cytoplasm	ENSG000001	28.35166	-0.74875	1.108665	-0.67536
ENSG00000163899	NSUN3	NOP2/Sun	ENSG000001	11.50312	1.049097	1.553624	0.675258
ENSG000001142891	SAMD8	sterile alph	ENSG000001	98.4875	-0.48077	0.712283	-0.67497
ENSG0000019843	HEPH	hephaestir	ENSG000001	30.32567	0.706996	1.04752	0.674923
ENSG0000012821	GPI	glucose-6-ph	ENSG000001	351.4346	-0.36843	0.545924	-0.67488
ENSG00000151105	PHF20L1	PHD finger	ENSG000001	101.7878	0.466076	0.690731	0.674757
ENSG000001160418	TMTC3	transmembr	ENSG000001	33.11562	-0.70004	1.037724	-0.6746
ENSG00000123067	SETD1B	SET domain	ENSG000001	33.11562	-0.70004	1.037724	-0.6746
ENSG0000017077	TIMP2	TIMP meta	ENSG000001	144.3661	-0.43426	0.6438	-0.67452
ENSG0000017592	ZNF41	zinc finger	ENSG000001	35.33459	0.661498	0.981055	0.674272
ENSG0000015241	PGR	progesterone	ENSG000001	53.38422	0.568727	0.843485	0.674258
ENSG00000179886	CAAP1	caspase ac	ENSG000001	9.923153	1.130776	1.67771	0.673999
ENSG0000013638	INSIG1	insulin ind	ENSG000001	13.67003	-1.09768	1.629005	-0.67383
ENSG00000150717	DCAF8	DDB1 and C	ENSG000001	73.01604	-0.52326	0.776642	-0.67374
ENSG0000019158	FIBP	FGF1 intrac	ENSG000001	20.81069	0.814662	1.209571	0.673514
ENSG0000018690	JRKL	JRK like	ENSG000001	10.7714	-1.17389	1.743474	-0.67331
ENSG000001126231	ZNF573	zinc finger	ENSG000001	10.7714	-1.17389	1.743474	-0.67331
ENSG000001440944	THUMPDP3	THUMPDP3	ENSG000001	22.45225	0.787368	1.169458	0.673276
ENSG0000012935	GSPT1	G1 to S ph	ENSG000001	150.5835	0.422953	0.628332	0.673136
ENSG00000157798	GATAD1	GATA zinc	ENSG000001	28.27371	-0.7459	1.108464	-0.67291
ENSG00000184836	ABHD14B	abhydrolas	ENSG000001	13.31051	-1.04381	1.551329	-0.67285
ENSG000001221545	C6orf136	chromosom	ENSG000001	13.31051	-1.04381	1.551329	-0.67285
ENSG00000124144	TFIP11	tuftelin int	ENSG000001	32.05146	0.685066	1.018397	0.67269
ENSG0000012140	EYA3	EYA transcr	ENSG000001	35.54161	-0.68036	1.01145	-0.67265
ENSG0000013739	KCNA4	potassium	ENSG000001	10.71608	-1.17337	1.744543	-0.67259
ENSG00000123176	SEPT8	septin 8	ENSG000001	47.31074	-0.60714	0.902831	-0.67249

ENSG000001201965	RWDD4	RWD domain	ENSG000001201965	13.04412	0.98873	1.470328	0.672455
ENSG00000193654	ST7-AS2	ST7 antisense	ENSG00000193654	4.960268	-1.73332	2.578141	-0.67231
ENSG0000012877	GPX2	glutathione peroxidase 2	ENSG0000012877	4.960268	-1.73332	2.578141	-0.67231
ENSG000001260257			ENSG000001260257	4.960268	-1.73332	2.578141	-0.67231
ENSG00000123157	SEPT6	septin 6	ENSG00000123157	28.88525	0.709405	1.055738	0.671951
ENSG00000110952	SEC61B	Sec61 transmembrane protein beta	ENSG00000110952	16.1261	0.902819	1.344127	0.671677
ENSG000001138050	HGSNAT	heparanase	ENSG000001138050	59.05724	-0.56278	0.837919	-0.67164
ENSG0000016873	TAF2	TATA-box binding protein 2	ENSG0000016873	33.16087	-0.70406	1.048397	-0.67156
ENSG0000011200	TPP1	tripeptidyl aminopeptidase 1	ENSG0000011200	115.315	0.448946	0.668653	0.671419
ENSG0000015208	PFKFB2	6-phosphofructokinase beta	ENSG0000015208	167.0875	-0.44583	0.664012	-0.67142
ENSG00000157156	TMEM63C	transmembrane protein 63C	ENSG00000157156	7.907944	-1.34564	2.004195	-0.67141
ENSG00000111141	IL1RAPL1	interleukin 1 receptor accessory protein 1	ENSG00000111141	7.907944	-1.34564	2.004195	-0.67141
ENSG0000014097	MAFG	MAF bZIP transcription factor 1	ENSG0000014097	36.99878	0.648406	0.966416	0.670939
ENSG0000012067	ERCC1	ERCC excision repair factor 1	ENSG0000012067	40.18134	0.635072	0.946604	0.670895
ENSG000001153768	PRELID2	PRELI domain containing 2	ENSG000001153768	19.26969	0.836664	1.247315	0.670772
ENSG00000151135	IRAK4	interleukin 1 receptor associated kinase 4	ENSG00000151135	19.26969	0.836664	1.247315	0.670772
ENSG0000016049	RNF6	ring finger protein 6	ENSG0000016049	41.77386	0.623132	0.92919	0.670619
ENSG00000157573	ZNF471	zinc finger protein 471	ENSG00000157573	15.90495	-0.96007	1.431891	-0.67049
ENSG0000015520	PPP2R2A	protein phosphatase 2 regulatory subunit 2A	ENSG0000015520	52.12375	-0.58891	0.878437	-0.6704
ENSG0000011052	CEBPD	CCAAT enhancer binding protein delta	ENSG0000011052	25.88669	-0.77954	1.163203	-0.67017
ENSG000001355	FAS	Fas cell surface receptor	ENSG000001355	20.87228	0.80742	1.205763	0.669634
ENSG0000013303	HSPA1A	heat shock protein 70 class A class 1 member 1A	ENSG0000013303	72.93182	-0.52081	0.777899	-0.66951
ENSG000001117608	ZNF354B	zinc finger protein 354B	ENSG000001117608	7.953194	-1.36181	2.034179	-0.66946
ENSG00000155208	DCUN1D2	defective in ciliogenesis 1 domain containing 2	ENSG00000155208	89.44608	-0.49644	0.741641	-0.66937
ENSG000001115560	ZNF501	zinc finger protein 501	ENSG000001115560	6.986985	1.324978	1.979897	0.669216
ENSG0000011880	GPR183	G protein-coupled receptor 183	ENSG0000011880	6.986985	1.324978	1.979897	0.669216
ENSG000001145282	MIPOL1	mirror-image protein 1	ENSG000001145282	16.06712	-0.97565	1.458174	-0.66909
ENSG0000019921	RNF10	ring finger protein 10	ENSG0000019921	248.8135	-0.38533	0.576146	-0.6688
ENSG000001201176	ARHGAP27	Rho GTPase activating protein 27	ENSG000001201176	38.70822	0.63122	0.943825	0.668789
ENSG000001169841	ZNF169	zinc finger protein 169	ENSG000001169841	4.937642	-1.72062	2.574848	-0.66824
ENSG00000183733	SLC25A18	solute carrier family 25 member 18	ENSG00000183733	4.937642	-1.72062	2.574848	-0.66824
ENSG0000017317	UBA1	ubiquitin ligase 1	ENSG0000017317	132.5768	-0.43878	0.657001	-0.66786
ENSG00000157413	TMIGD3	transmembrane protein 3	ENSG00000157413	4.297209	1.621149	2.428308	0.667604
ENSG0000017980	TFPI2	tissue inhibitor of metalloproteinase 2	ENSG0000017980	4.297209	1.621149	2.428308	0.667604
ENSG000001235027			ENSG000001235027	4.297209	1.621149	2.428308	0.667604
ENSG000001200316	APOBEC3F	apolipoprotein B editing catalase 3F	ENSG000001200316	4.297209	1.621149	2.428308	0.667604
ENSG0000016004	RGS16	regulator of G-protein signaling 16	ENSG0000016004	1.720949	-2.85542	4.27785	-0.66749
ENSG00000156660	KCNK12	potassium channel subfamily K member 12	ENSG00000156660	1.720949	-2.85542	4.27785	-0.66749
ENSG000001152189	CMTM8	CKLF like motif containing 8	ENSG000001152189	1.720949	-2.85542	4.27785	-0.66749
ENSG000001241738			ENSG000001241738	1.720949	-2.85542	4.27785	-0.66749
ENSG000001654254	ZNF732	zinc finger protein 732	ENSG000001654254	1.720949	-2.85542	4.27785	-0.66749
ENSG000001230826			ENSG000001230826	1.720949	-2.85542	4.27785	-0.66749
ENSG000001271335			ENSG000001271335	1.720949	-2.85542	4.27785	-0.66749
ENSG000001741	ZNHIT2	zinc finger protein 741	ENSG000001741	1.720949	-2.85542	4.27785	-0.66749
ENSG000001256712			ENSG000001256712	1.720949	-2.85542	4.27785	-0.66749
ENSG000001225349			ENSG000001225349	1.720949	-2.85542	4.27785	-0.66749
ENSG00000110330	CNPY2	canopy FGF receptor 2	ENSG00000110330	1.720949	-2.85542	4.27785	-0.66749

ENSG0000015105	PCK1	phosphoenolpyruvate	ENSG000001720949	-2.85542	4.27785	-0.66749
ENSG00000123641	LDOC1	LDOC1, regulator of	ENSG000001720949	-2.85542	4.27785	-0.66749
ENSG000001260197			ENSG000001720949	-2.85542	4.27785	-0.66749
ENSG0000015791	PTPRE	protein tyrosine phosphatase	ENSG00000154.0465	0.604939	0.906768	0.667137
ENSG0000016536	SLC6A9	solute carrier family 6 member 9	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG000001284615	ANKRD34A	ankyrin repeat domain 34A	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG000001375260	WASH2P	WAS protein family class B member 2	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010213225			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000018927	BSN	bassoon protein	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000018372	HYAL3	hyaluronidase 3	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010251332			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000014085	MAD2L1	mitotic arrest protein 1	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG00000156132	PCDHB3	protocadherin 3	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010253218			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010237234			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010218596			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG000001101927021	LOC101927	uncharacterized protein	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010225224			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG00000155290	BRF2	BRF2, RNA polymerase II transcription factor	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010271833			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG00000194233	OPN4	opsin 4	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010183562			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG000001101928896	LOC101928	uncharacterized protein	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG000001440078	FAM66C	family with sequence similarity 66 member C	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010259683			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010259295			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG000001374659	HDHC3	HD domain class C member 3	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000017473	WNT3	Wnt family class A member 3	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010279382			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000014225	MEP1B	meprin A subunit 1	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010278897			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000010229598			ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG000001253190	SERHL2	serine hydroxylase 2	ENSG000001698324	-2.82581	4.236061	-0.66708
ENSG0000017403	KDM6A	lysine demethylase 6A	ENSG00000137.77274	-0.65767	0.986372	-0.66676
ENSG00000158526	MID1IP1	MID1 interacting protein 1	ENSG00000131.7045	0.709906	1.064744	0.666739
ENSG000001546	ATRX	ATRX, chromatin-associated protein	ENSG000001274.9538	-0.38723	0.580871	-0.66663
ENSG000001255798	SMCO1	single-pass transmembrane protein	ENSG00000143.04963	0.643595	0.965452	0.666625
ENSG00000110419	PRMT5	protein arginine methyltransferase 5	ENSG00000111.56472	1.035174	1.553057	0.666539
ENSG000001114609	TIRAP	TIR domain-containing protein	ENSG0000017.946917	-1.34999	2.025458	-0.66651
ENSG00000190678	LRSAM1	leucine-rich repeat-containing protein	ENSG00000138.58358	-0.69264	1.039298	-0.66645
ENSG0000011611	DAP	death-associated protein	ENSG00000123.9153	0.774658	1.162422	0.666417
ENSG00000110825	NEU3	neuraminidase 3	ENSG00000128.26743	-0.74255	1.114261	-0.6664
ENSG0000011719	DHFR	dihydrofolate reductase	ENSG0000018.566953	1.180035	1.770816	0.666379
ENSG00000151586	MED15	mediator complex subunit 15	ENSG00000128.23474	-0.74444	1.117159	-0.66637
ENSG00000179741	CCDC7	coiled-coil domain-containing protein 7	ENSG00000111.46415	1.051472	1.578551	0.6661
ENSG00000185459	CEP295	centrosomal protein 295kDa	ENSG00000130.66701	-0.72079	1.082124	-0.66608
ENSG00000123394	ADNP	activity-dependent neurotrophic protein	ENSG00000181.99966	-0.4981	0.747949	-0.66596

ENSG0000010461	MERTK	MER proto	ENSG00000139.3705	0.678618	1.019025	0.665948
ENSG0000018853	ASAP2	ArfGAP wit	ENSG00000133.04775	-0.69392	1.042376	-0.66571
ENSG00000157636	ARHGAP23	Rho GTPase	ENSG00000147.16492	-0.60102	0.903084	-0.66552
ENSG0000018443	GNPAT	glyceronephosphate	ENSG00000171.81351	0.513164	0.771462	0.665184
ENSG0000013685	ITGAV	integrin subunit	ENSG000001443.5444	0.352767	0.53039	0.66511
ENSG0000015500	PPP1CB	protein phosphatase	ENSG000001350.0026	0.36533	0.549299	0.665084
ENSG000001225	ABCD2	ATP binding cassette	ENSG00000124.45006	-0.88275	1.327659	-0.66489
ENSG00000184817	TXNDC17	thioredoxin domain	ENSG00000110.04635	1.097931	1.651521	0.6648
ENSG000001113277	TMEM106	transmembrane	ENSG00000110.04635	1.097931	1.651521	0.6648
ENSG0000012135	EXTL2	exostosin-like	ENSG00000110.6482	-1.15489	1.73756	-0.66466
ENSG00000181926	ABHD17A	abhydrolase	ENSG00000110.6482	-1.15489	1.73756	-0.66466
ENSG00000123174	ZCCHC14	zinc finger	ENSG00000147.48546	-0.61632	0.927289	-0.66465
ENSG00000191833	WDR20	WD repeat	ENSG00000130.56016	-0.71288	1.072598	-0.66463
ENSG000001283624	LINC00641	long intergenic	ENSG00000115.827	-0.95543	1.437687	-0.66456
ENSG0000012235	FECH	ferrochelatase	ENSG00000140.32716	0.625376	0.94116	0.664474
ENSG0000018912	CACNA1H	calcium voltage	ENSG0000017.868971	-1.34136	2.019273	-0.66428
ENSG000001253725	WASHC2C	WASH complex	ENSG00000156.93637	0.548498	0.826042	0.664008
ENSG00000180816	ASXL3	ASXL transposon	ENSG0000017.846346	-1.3331	2.008936	-0.66358
ENSG0000013251	HPRT1	hypoxanthine	ENSG0000017.846346	-1.3331	2.008936	-0.66358
ENSG0000015716	PSMD10	proteasome	ENSG00000111.52575	1.037449	1.564381	0.663169
ENSG0000012200	FBN1	fibrillin 1	ENSG000001461.6642	-0.41201	0.621524	-0.66291
ENSG00000157484	RNF150	ring finger	ENSG000001159.8105	-0.41703	0.629133	-0.66286
ENSG00000151138	COPS4	COP9 signal	ENSG00000145.38761	0.590674	0.891253	0.662745
ENSG00000179660	PPP1R3B	protein phosphatase	ENSG000001132.3568	-0.43469	0.655972	-0.66267
ENSG0000012137	EXTL3	exostosin-like	ENSG000001104.8805	-0.46127	0.696521	-0.66225
ENSG0000015563	PRKAA2	protein kinase	ENSG000001431.2539	0.356339	0.538158	0.662146
ENSG0000012804	GOLGB1	golgin B1	ENSG000001370.7769	-0.36013	0.543883	-0.66214
ENSG00000184913	ATOX1	atonal bHLH	ENSG00000118.32087	-0.88964	1.34463	-0.66163
ENSG000001100131067	CKMT2-AS1	CKMT2 antisense	ENSG00000115.88233	-0.95589	1.445905	-0.6611
ENSG00000125839	COG4	component	ENSG00000153.65324	0.556243	0.841687	0.660866
ENSG0000011725	DHPS	deoxyhypusine	ENSG00000119.16912	0.846646	1.281121	0.660863
ENSG00000126057	ANKRD17	ankyrin repeat	ENSG000001266.2553	-0.37578	0.569114	-0.66029
ENSG00000122893	BAHD1	bromo domain	ENSG00000121.09382	-0.85852	1.300243	-0.66028
ENSG00000157545	CC2D2A	coiled-coil	ENSG00000130.25152	0.722633	1.094466	0.66026
ENSG00000157708	MIER1	MIER1 transposon	ENSG00000165.34782	0.519725	0.787508	0.659961
ENSG0000010225302			ENSG0000015.038213	-1.74695	2.64714	-0.65994
ENSG0000014969	OGN	osteoglycin	ENSG00000130.56579	0.693127	1.050741	0.659656
ENSG000001163702	IFNL1	interferon	ENSG0000014.89867	-1.71406	2.59862	-0.6596
ENSG000001283870	BRICD5	BRICHOS domain	ENSG0000014.89867	-1.71406	2.59862	-0.6596
ENSG00000191695	RRP7BP	ribosomal protein	ENSG0000014.89867	-1.71406	2.59862	-0.6596
ENSG00000190673	PPP1R3E	protein phosphatase	ENSG00000110.54763	-1.14203	1.732913	-0.65903
ENSG0000014685	NCAM2	neural cell	ENSG00000113.29417	-1.0459	1.587247	-0.65894
ENSG0000017916	PRRC2A	proline rich	ENSG000001232.0755	-0.38299	0.581389	-0.65875
ENSG00000164285	RHBDF1	rhomboid-like	ENSG00000115.74278	-0.94459	1.434025	-0.6587
ENSG000001100033428	SNORD116	small nucleolar	ENSG0000014.876044	-1.70124	2.582842	-0.65867
ENSG000001140699	MROH8	maestro helix	ENSG0000014.876044	-1.70124	2.582842	-0.65867
ENSG00000123233	EXOC6B	exocyst complex	ENSG000001247.309	-0.39158	0.594558	-0.6586

ENSG00000126528	DAZAP1	DAZ associ	ENSG00000154.04688	-0.56687	0.860794	-0.65854
ENSG000001271533			ENSG00000125.65665	-0.76186	1.156927	-0.65852
ENSG0000018519	IFITM1	interferon	ENSG00000154.26058	-0.57581	0.874858	-0.65817
ENSG000001801	CALM1	calmodulin	ENSG000001456.7012	-0.39059	0.593497	-0.65812
ENSG00000155629	PNRC2	proline rich	ENSG00000172.08881	0.502313	0.763332	0.658052
ENSG0000018666	EIF3G	eukaryotic	ENSG00000160.39422	0.53152	0.807774	0.658005
ENSG00000110181	RBM5	RNA bindin	ENSG00000179.59629	-0.50106	0.761565	-0.65793
ENSG00000164114	TMBIM1	transmembr	ENSG000001144.4196	0.417886	0.635211	0.657869
ENSG00000126025	PCDHGA12	protocadhe	ENSG00000118.3435	-0.89323	1.35791	-0.6578
ENSG00000110240	MRPS31	mitochondr	ENSG00000115.82073	-0.94927	1.443145	-0.65778
ENSG00000184791	LINC00467	long interg	ENSG00000110.10795	1.081822	1.644729	0.657751
ENSG00000157571	CARNS1	carnosine s	ENSG00000110.10795	1.081822	1.644729	0.657751
ENSG00000165018	PINK1	PTEN induc	ENSG00000170.80126	-0.52997	0.806293	-0.65729
ENSG000001219855	SLC37A2	solute carr	ENSG00000112.64968	2.741377	4.171532	0.657163
ENSG00000111325	DDX42	DEAD-box	ENSG000001113.8704	-0.44888	0.68309	-0.65713
ENSG0000013177	SLC29A2	solute carr	ENSG00000118.31459	-0.88432	1.345966	-0.65702
ENSG00000180023	NRSN2	neurensin	ENSG00000118.31459	-0.88432	1.345966	-0.65702
ENSG0000011593	CYP27A1	cytochrom	ENSG00000118.66156	-0.91546	1.393587	-0.65691
ENSG00000129104	N6AMT1	N-6 adenin	ENSG00000127.46745	0.708278	1.078371	0.656804
ENSG00000151647	CIAO2B	cytosolic in	ENSG00000129.04742	0.69781	1.062718	0.656628
ENSG0000016533	SLC6A6	solute carr	ENSG000001150.5238	1.179539	1.796948	0.656412
ENSG0000017690	ZNF131	zinc finger	ENSG00000118.23665	-0.88021	1.340984	-0.65639
ENSG00000166005	CHID1	chitinase d	ENSG00000117.75132	0.85586	1.304053	0.656307
ENSG00000155342	STRBP	spermatid	ENSG00000125.6114	-0.75655	1.152818	-0.65626
ENSG00000183930	STARD3NL	STARD3 N-	ENSG00000125.82588	0.725602	1.106105	0.655998
ENSG000001117583	PARD3B	par-3 famil	ENSG00000130.71226	-0.72495	1.105424	-0.65582
ENSG00000127335	EIF3K	eukaryotic	ENSG000001178.3834	0.397176	0.605758	0.655667
ENSG0000010231691			ENSG0000011.86677	-2.97396	4.53722	-0.65546
ENSG000001400945	LINC01376	long interg	ENSG0000011.86677	-2.97396	4.53722	-0.65546
ENSG0000010265912			ENSG0000011.86677	-2.97396	4.53722	-0.65546
ENSG0000011825	DSC3	desmocolli	ENSG0000011.86677	-2.97396	4.53722	-0.65546
ENSG00000110490	VTI1B	vesicle trar	ENSG00000146.99648	0.582816	0.889254	0.655399
ENSG00000110245	TIMM17B	translocase	ENSG00000124.22329	0.743572	1.135796	0.654671
ENSG0000016671	SP4	Sp4 transcr	ENSG00000123.35385	-0.8085	1.235057	-0.65462
ENSG000001114791	TUBGCP5	tubulin gar	ENSG00000128.12161	-0.73248	1.119686	-0.65418
ENSG0000012531	KDSR	3-ketodihy	ENSG00000147.44649	-0.61525	0.940527	-0.65415
ENSG00000157122	NUP107	nucleopori	ENSG00000125.57242	-0.75501	1.154663	-0.65388
ENSG0000017181	NR2C1	nuclear rec	ENSG00000125.57242	-0.75501	1.154663	-0.65388
ENSG0000012898	GRIK2	glutamate	ENSG00000110.68717	-1.15848	1.77233	-0.65365
ENSG000001100500878	MIR3679	microRNA	ENSG0000011.883118	-2.96912	4.543694	-0.65346
ENSG000001285596	FAM153A	family with	ENSG0000011.883118	-2.96912	4.543694	-0.65346
ENSG000001102724933	LINC02412	long interg	ENSG0000011.883118	-2.96912	4.543694	-0.65346
ENSG0000018482	SEMA7A	semaphori	ENSG0000011.883118	-2.96912	4.543694	-0.65346
ENSG00000110382	TUBB4A	tubulin bet	ENSG0000011.883118	-2.96912	4.543694	-0.65346
ENSG000001106144593	NOP53-AS1	NOP53 ant	ENSG0000011.883118	-2.96912	4.543694	-0.65346
ENSG0000010235111			ENSG0000011.883118	-2.96912	4.543694	-0.65346
ENSG000001107987373	LOC107987395	ribosom	ENSG0000011.883118	-2.96912	4.543694	-0.65346

ENSG00000157050	UTP3	UTP3, small	ENSG00000157050	18.253	-0.87854	1.344543	-0.65341
ENSG00000154954	FAM120C	family with	ENSG00000154954	18.253	-0.87854	1.344543	-0.65341
ENSG0000019351	SLC9A3R2	SLC9A3 reg	ENSG0000019351	52.24067	-0.59177	0.905853	-0.65327
ENSG0000016444	SGCD	sarcoglycan	ENSG0000016444	288.7582	0.363818	0.556925	0.653263
ENSG000001128866	CHMP4B	charged m	ENSG000001128866	54.01798	-0.56405	0.863505	-0.65321
ENSG0000017923	HSD17B8	hydroxyste	ENSG0000017923	4.915017	-1.708	2.615638	-0.653
ENSG00000123161	SNX13	sorting nex	ENSG00000123161	125.9827	-0.44983	0.689231	-0.65265
ENSG0000015610	EIF2AK2	eukaryotic	ENSG0000015610	110.8316	0.442725	0.678437	0.652566
ENSG0000016591	SNAI2	snail family	ENSG0000016591	10.59288	-1.15429	1.769933	-0.65216
ENSG000001101928036	HRAT17	heart tissu	ENSG000001101928036	16.27193	0.876341	1.344508	0.651793
ENSG0000012050	EPHB4	EPH recept	ENSG0000012050	25.75094	-0.76395	1.172109	-0.65178
ENSG0000019649	RALGPS1	Ral GEF wi	ENSG0000019649	25.75094	-0.76395	1.172109	-0.65178
ENSG0000016309	SC5D	sterol-C5-d	ENSG0000016309	30.71788	0.674652	1.035155	0.65174
ENSG00000157679	ALS2	ALS2, alsin	ENSG00000157679	93.19557	-0.47157	0.723643	-0.65166
ENSG0000016478	SIAH2	siah E3 ubi	ENSG0000016478	29.15426	0.685462	1.052063	0.651541
ENSG00000129099	COMMD9	COMM dor	ENSG00000129099	27.52905	0.702917	1.079012	0.651445
ENSG0000016990	DYNLT3	dynein ligh	ENSG0000016990	27.52905	0.702917	1.079012	0.651445
ENSG00000191949	COG7	componen	ENSG00000191949	10.48603	-1.13241	1.738391	-0.65141
ENSG000001187762			ENSG000001187762	4.050817	1.816399	2.789299	0.651203
ENSG000001145482	PTGR2	prostaglan	ENSG000001145482	13.10309	-1.01535	1.559331	-0.65115
ENSG00000155229	PANK4	pantothen	ENSG00000155229	20.64629	-0.82397	1.265694	-0.651
ENSG00000164072	CDH23	cadherin re	ENSG00000164072	14.7699	0.909462	1.397459	0.650797
ENSG00000154858	PGPEP1	pyroglutan	ENSG00000154858	74.92283	-0.5094	0.783031	-0.65055
ENSG000001441951	ZFAS1	ZNF1 anti	ENSG000001441951	8.466382	1.202817	1.84906	0.650502
ENSG0000014306	NR3C2	nuclear rec	ENSG0000014306	49.36086	-0.58272	0.895929	-0.6504
ENSG0000017791	ZYX	zyxin	ENSG0000017791	58.8922	0.530463	0.815603	0.650394
ENSG000001267023			ENSG000001267023	15.69753	-0.93598	1.439665	-0.65013
ENSG0000013312	HSPA8	heat shock	ENSG0000013312	1006.258	0.34715	0.534014	0.650076
ENSG0000019512	PMPCB	peptidase,	ENSG0000019512	52.16757	0.556663	0.856556	0.649886
ENSG000001217165			ENSG000001217165	5.653409	1.42073	2.186865	0.649665
ENSG0000012444	FRK	fyn related	ENSG0000012444	49.58463	-0.59052	0.908987	-0.64965
ENSG00000193183	PIGM	phosphatic	ENSG00000193183	7.762123	-1.312	2.020611	-0.64931
ENSG00000154949	SDHAF2	succinate c	ENSG00000154949	7.762123	-1.312	2.020611	-0.64931
ENSG00000184138	SLC7A6OS	solute carr	ENSG00000184138	7.762123	-1.312	2.020611	-0.64931
ENSG00000155915	LANCL2	LanC like 2	ENSG00000155915	10.50866	-1.13865	1.753688	-0.64929
ENSG000001222256	CDHR3	cadherin re	ENSG000001222256	22.4716	-0.97182	1.496942	-0.6492
ENSG00000151621	KLF13	Kruppel lik	ENSG00000151621	140.9554	0.422436	0.65088	0.649023
ENSG0000016159	RPL29	ribosomal	ENSG0000016159	125.5264	0.435875	0.671822	0.648796
ENSG00000179637	ARMC7	armadillo r	ENSG00000179637	7.149154	1.273134	1.962445	0.648749
ENSG00000127063	ANKRD1	ankyrin re	ENSG00000127063	2336.129	1.16911	1.803171	0.648363
ENSG000001279384			ENSG000001279384	4.814447	-1.68162	2.594444	-0.64816
ENSG000001100874188	LINC00571	long interg	ENSG000001100874188	4.814447	-1.68162	2.594444	-0.64816
ENSG000001379	ARL4D	ADP ribosy	ENSG000001379	4.814447	-1.68162	2.594444	-0.64816
ENSG000001249116			ENSG000001249116	5.715007	1.388991	2.143234	0.648082
ENSG00000181931	ZNF93	zinc finger	ENSG00000181931	5.715007	1.388991	2.143234	0.648082
ENSG00000154472	TOLLIP	toll interac	ENSG00000154472	25.4882	-0.74812	1.154391	-0.64807
ENSG0000013965	LGALS9	galectin 9	ENSG0000013965	13.22891	0.952767	1.470273	0.648021

ENSG00000111034	DSTN	destrin, act	ENSG000001287.4246	0.361133	0.557318	0.647985
ENSG00000110079	ATP9A	ATPase ph	ENSG00000184.25093	-0.491	0.757757	-0.64796
ENSG0000016872	TAF1	TATA-box b	ENSG00000190.75951	-0.47365	0.731307	-0.64767
ENSG00000155204	GOLPH3L	golgi phos	ENSG00000120.62367	-0.82066	1.267172	-0.64763
ENSG000001159090	FAM122B	family with	ENSG00000120.72424	-0.82771	1.278171	-0.64757
ENSG00000100873932	DPYD-AS1	DPYD antis	ENSG000001189.8473	-0.40848	0.630901	-0.64746
ENSG0000015016	OVGP1	oviductal g	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG0000010000260766			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000189866	SEC16B	SEC16 hom	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000226876			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000229816			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001618	BCYRN1	brain cyto	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000273302			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000279512			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000191149	RAPGEF4-/-	RAPGEF4 a	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000123671	TMEFF2	transmem	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100009676	ZBTB11-AS	ZBTB11 an	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000243415			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001202374	STK32A	serine/thre	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001170679	PSORS1C1	psoriasis s	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100874353	RPS6KA2-1	RPS6KA2 ir	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000127342	RABGEF1	RAB guanir	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000110603	SH2B2	SH2B adap	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001168433	RNF133	ring finger	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000179870	BAALC	BAALC, MA	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001105375724	LOC105375	uncharacte	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000184904	ARHGEF39	Rho guanir	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000246851			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000235279			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001118881	COMTD1	catechol-O	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001143630	UBQLNL	ubiquilin li	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001387856	CCDC184	coiled-coil	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001196385	DNAH10	dynein axo	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000151016	EMC9	ER membr	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000280188			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000273729			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000261659			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001283887	LINC02175	long interg	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG0000012300	FOXL1	forkhead b	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000276337			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG000001284023	RNF227	ring finger	ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000266371			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000273576			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000279880			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000277476			ENSG0000011.636726	-2.77572	4.287291	-0.64743
ENSG00000100000267731			ENSG0000011.636726	-2.77572	4.287291	-0.64743

ENSG0000012232	FDXR	ferredoxin	ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG00000279744			ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG00000267317			ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG00000280061			ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG00000199746	U2AF1L4	U2 small nuclear ribonucleoprotein	ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG00000157469	PNMA8B	PNMA family domain	ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG00000278999			ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG00000151807	TUBA8	tubulin alpha chain	ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG000001257240	KLHL34	kelch like family class A member 34	ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG00000155613	MTMR8	myotubularin 8	ENSG000001636726	-2.77572	4.287291	-0.64743
ENSG0000018723	SNX4	sorting nexin 4	ENSG000002412272	0.751467	1.160744	0.647401
ENSG00000123321	TRIM2	tripartite motif domain 2	ENSG000004211559	-0.6098	0.941948	-0.64738
ENSG0000012760	GM2A	GM2 ganglioside	ENSG000008173954	0.492305	0.760522	0.647325
ENSG00000183862	TMEM120	transmembrane protein 120	ENSG000003274603	-0.68014	1.050845	-0.64723
ENSG000001641700	ECSCR	endothelial cell specific protein	ENSG000004853419	-1.6883	2.609915	-0.64688
ENSG00000126268	FBXO9	F-box protein 9	ENSG000003037092	0.700465	1.083107	0.646718
ENSG00000165250	CPLANE1	ciliogenesis protein 1	ENSG000007456331	-0.49903	0.771929	-0.64647
ENSG00000190139	TSPAN18	tetraspanin 18	ENSG000009921791	-0.49216	0.761439	-0.64635
ENSG00000181545	FBXO38	F-box protein 38	ENSG000006720309	0.507684	0.785517	0.646306
ENSG00000122796	COG2	component 2 of the COG complex	ENSG000002793682	-0.72084	1.115492	-0.6462
ENSG000001257397	TAB3	TGF-beta activated kinase 3	ENSG000004394718	0.588144	0.910165	0.646195
ENSG00000184925	DIRC2	disrupted in renal cancer 2	ENSG000002269864	0.760744	1.177329	0.646161
ENSG00000110944	C11orf58	chromosome 11 open reading frame 58	ENSG000001023157	0.452115	0.69978	0.646082
ENSG0000017768	ZNF225	zinc finger protein 225	ENSG000008651176	1.143866	1.771189	0.645818
ENSG00000155164	SHQ1	SHQ1, H/A domain	ENSG000001563593	-0.9293	1.438949	-0.64582
ENSG000001475	ATOX1	antioxidant 1	ENSG000001168791	1.007577	1.560377	0.645726
ENSG000001401491	VLDLR-AS1	VLDLR anti-sense 1	ENSG000001168791	1.007577	1.560377	0.645726
ENSG00000240207			ENSG000004837072	-1.69447	2.62481	-0.64556
ENSG00000189845	ABCC10	ATP binding cassette subfamily C member 10	ENSG00000181298	-0.86692	1.343341	-0.64535
ENSG00000184064	HDHD2	haloacid dehalogenase domain containing 2	ENSG00000181298	-0.86692	1.343341	-0.64535
ENSG0000015099	PCDH7	protocadherin 7	ENSG000001002032	-0.46701	0.723674	-0.64533
ENSG00000127044	SND1	staphylococcal nuclease domain containing 1	ENSG000001330845	0.416745	0.646094	0.645022
ENSG00000127309	ZNF330	zinc finger protein 330	ENSG000009759598	0.452344	0.701683	0.644656
ENSG00000151132	RLIM	ring finger protein	ENSG000001111458	0.435441	0.675513	0.644608
ENSG00000122826	DNAJC8	DnaJ heat shock protein domain containing 8	ENSG00000688283	0.505067	0.783526	0.644607
ENSG000001137872	ADHFE1	alcohol dehydrogenase family class F member 1	ENSG000003266181	-0.67475	1.046823	-0.64457
ENSG000001221491	SMIM29	small integral membrane protein 29	ENSG000004358806	1.576394	2.445701	0.644557
ENSG000001100505854	APTR	Alu-mediated transposon	ENSG000004358806	1.576394	2.445701	0.644557
ENSG000001283970	PDXDC2P-1	nuclear pore complex protein	ENSG000004921295	-1.72591	2.677787	-0.64453
ENSG00000155863	TMEM126	transmembrane protein 126	ENSG000002591011	0.715724	1.110994	0.644219
ENSG00000127095	TRAPPC3	trafficking protein particle complex 3	ENSG000003265553	-0.67187	1.043076	-0.64412
ENSG0000017251	TSG101	tumor suppressor 101	ENSG000004405403	0.580474	0.901211	0.644105
ENSG00000122818	COPZ1	coatamer protein 1	ENSG000005882433	0.535071	0.830739	0.644091
ENSG00000179648	MCPH1	microcephaly 1	ENSG000003500986	-0.65429	1.016094	-0.64392
ENSG0000019736	USP34	ubiquitin specific protease 34	ENSG000002433707	-0.38016	0.590389	-0.64391
ENSG00000123097	CDK19	cyclin dependent kinase 19	ENSG00000275743	0.695122	1.079716	0.6438
ENSG000001375341	C3orf62	chromosome 3 open reading frame 62	ENSG000001014692	1.079205	1.67639	0.643767



ENSG0000010920	COPS8	COP9 signa	ENSG00000155.66439	0.53679	0.833952	0.64367
ENSG0000010396	ATP8A1	ATPase ph	ENSG00000177.1983	0.491222	0.763159	0.643669
ENSG0000016612	SUMO3	small ubiq	ENSG00000157.33486	0.529509	0.82268	0.643639
ENSG00000147687	ZNF417	zinc finger	ENSG00000122.58173	0.765853	1.189901	0.643628
ENSG0000019728	SECISBP2L	SECIS bindi	ENSG000001140.556	-0.4151	0.645178	-0.6434
ENSG00000123143	LRCH1	leucine ric	ENSG00000149.08178	-0.57447	0.893424	-0.64299
ENSG000001132321	C4orf33	chromosor	ENSG0000018.690148	1.141395	1.77549	0.642862
ENSG0000013141	HLCS	holocarbox	ENSG00000119.57768	0.797771	1.241136	0.642775
ENSG00000151422	PRKAG2	protein kin	ENSG00000177.36674	0.485337	0.755235	0.642631
ENSG00000129071	C1GALT1C	C1GALT1 s	ENSG00000122.78287	0.749315	1.166303	0.64247
ENSG00000165251	ZNF649	zinc finger	ENSG0000017.745775	-1.31595	2.048562	-0.64238
ENSG00000100218283			ENSG0000017.700525	-1.29916	2.022828	-0.64225
ENSG000001401024	FSIP2	fibrous she	ENSG0000017.700525	-1.29916	2.022828	-0.64225
ENSG00000151669	SARAF	store-oper	ENSG000001169.6452	0.406195	0.632459	0.642247
ENSG00000179699	ZYG11B	zyg-11 fam	ENSG000001169.962	-0.42312	0.659297	-0.64177
ENSG0000017057	THBS1	thrombosp	ENSG000001337.2543	-0.45243	0.705048	-0.6417
ENSG00000123417	MLYCD	malonyl-Cc	ENSG000001111.9284	-0.45519	0.709621	-0.64146
ENSG0000017515	XRCC1	X-ray repai	ENSG00000110.40181	-1.11629	1.740374	-0.64141
ENSG0000019712	USP6NL	USP6 N-ter	ENSG00000118.16877	-0.86905	1.355169	-0.64128
ENSG00000164780	MICAL1	microtubul	ENSG00000117.99771	0.821855	1.281856	0.641144
ENSG0000012115	ETV1	ETS variant	ENSG00000147.35979	0.567563	0.885568	0.640903
ENSG00000184725	PLEKHA8	pleckstrin	ENSG00000118.0682	-0.86109	1.343574	-0.64089
ENSG000001157506	RDH10	retinol deh	ENSG00000118.0682	-0.86109	1.343574	-0.64089
ENSG00000179884	MAP9	microtubul	ENSG00000113.01887	-1.00227	1.564054	-0.64082
ENSG000001123920	CMTM3	CKLF like	ENSG00000110.13057	1.068392	1.66738	0.640761
ENSG0000017629	ZNF76	zinc finger	ENSG00000132.55496	-0.66724	1.042123	-0.64027
ENSG00000184892	POMGNT2	protein O-l	ENSG00000115.67491	-0.93174	1.45522	-0.64027
ENSG00000100113386	UCKL1-AS1	UCKL1 anti	ENSG0000017.801096	-1.31661	2.056589	-0.64019
ENSG00000159274	TLNRD1	talin rod d	ENSG00000113.11944	-1.01304	1.582568	-0.64012
ENSG0000012773	GNAI3	G protein s	ENSG00000178.47276	0.495879	0.774862	0.639958
ENSG000001977	CD151	CD151 mol	ENSG00000194.19972	0.458101	0.715997	0.639808
ENSG000001715	C1R	compleme	ENSG000001238.0421	-0.93426	1.460747	-0.63958
ENSG0000013858	KRT10	keratin 10	ENSG0000018.712773	1.12493	1.759028	0.639518
ENSG00000100279722			ENSG0000014.791821	-1.6684	2.608854	-0.63952
ENSG0000015739	PTGIR	prostaglan	ENSG0000014.791821	-1.6684	2.608854	-0.63952
ENSG00000123191	CYFIP1	cytoplasm	ENSG00000183.71538	-0.48133	0.75266	-0.6395
ENSG00000151006	SLC35C2	solute carr	ENSG00000115.53536	-0.92025	1.439856	-0.63913
ENSG0000014703	NEB	nebulin	ENSG00000122.97171	-0.77268	1.208966	-0.63912
ENSG0000013399	ID3	inhibitor o	ENSG00000125.36501	-0.73965	1.157364	-0.63908
ENSG0000011528	CYB5A	cytochrom	ENSG00000132.5279	0.646994	1.012611	0.638936
ENSG0000016721	SREBF2	sterol regu	ENSG000001126.341	-0.45203	0.707635	-0.63878
ENSG00000183743	GRWD1	glutamate	ENSG00000113.08675	-1.01754	1.593203	-0.63868
ENSG0000014650	MYO9B	myosin IXB	ENSG00000180.62973	0.478909	0.749998	0.638547
ENSG0000015413	SEPT5	septin 5	ENSG00000167.52742	0.497672	0.78014	0.637927
ENSG0000012033	EP300	E1A bindin	ENSG000001191.113	-0.39683	0.622126	-0.63786
ENSG00000151534	VTA1	vesicle traf	ENSG00000140.82622	0.593099	0.929924	0.637792
ENSG00000156957	OTUD7B	OTU deubi	ENSG00000186.10867	-0.48006	0.752699	-0.63779

ENSG00000179005	SCNM1	sodium ch	ENSG00000110192	1.052481	1.651132	0.63743
ENSG00000125771	TBC1D22A	TBC1 dom	ENSG00000122766	0.746065	1.170613	0.637328
ENSG0000016886	TAL1	TAL bHLH t	ENSG00000121073	0.789287	1.238487	0.637299
ENSG00000114388	KDELC2	KDEL motif	ENSG00000132622	-0.67342	1.0572	-0.63699
ENSG0000012271	FH	fumarate h	ENSG00000113671	0.41091	0.645119	0.636951
ENSG0000012553	GABPB1	GA binding	ENSG00000127697	0.684517	1.07468	0.636949
ENSG0000018050	PDHX	pyruvate d	ENSG00000111356	0.454676	0.713937	0.636857
ENSG000001622	BDH1	3-hydroxyt	ENSG00000149254	-0.57781	0.907453	-0.63674
ENSG0000010276517			ENSG00000147528	-1.66171	2.610008	-0.63667
ENSG0000013656	IRAK2	interleukin	ENSG00000147528	-1.66171	2.610008	-0.63667
ENSG000001284129	SLC26A11	solute carr	ENSG00000147528	-1.66171	2.610008	-0.63667
ENSG00000192305	TMEM129	transmembr	ENSG00000130122	-0.68463	1.075481	-0.63658
ENSG00000180727	TTYH3	tweety farr	ENSG00000111548	1.02663	1.612855	0.63653
ENSG00000155799	CACNA2D3	calcium vo	ENSG00000132571	-0.66643	1.047151	-0.63642
ENSG000001128077	LIX1L	limb and C	ENSG00000141986	-0.60235	0.946506	-0.63639
ENSG000001260293	CYP4X1	cytochrom	ENSG00000176615	-1.29479	2.034979	-0.63627
ENSG0000015192	PEX10	peroxisom	ENSG00000177394	-1.30368	2.049146	-0.6362
ENSG00000110165	SLC25A13	solute carr	ENSG00000115512	-0.91586	1.439594	-0.63619
ENSG0000019475	ROCK2	Rho associ	ENSG00000117418	-0.39102	0.614825	-0.63599
ENSG00000129928	TIMM22	translocase	ENSG00000122867	0.737932	1.160326	0.63597
ENSG0000016500	SKP1	S-phase kir	ENSG00000111646	0.425559	0.669273	0.635853
ENSG0000013945	LDHB	lactate deh	ENSG00000191616	0.320632	0.504303	0.635792
ENSG000001274	BIN1	bridging in	ENSG00000118059	0.813492	1.279644	0.635717
ENSG00000155845	BRK1	BRICK1, SC	ENSG00000160870	0.512071	0.805849	0.635443
ENSG0000018496	PPFIBP1	PPFIA bind	ENSG00000152532	-0.3308	0.520658	-0.63535
ENSG00000178986	DUSP26	dual specif	ENSG00000145841	0.566482	0.891691	0.63529
ENSG000001103611081	LOC103611	uncharacter	ENSG00000112957	-0.99432	1.565418	-0.63518
ENSG000001116150	NUS1	NUS1, deh	ENSG00000120461	-0.80844	1.27336	-0.63489
ENSG00000183943	IMMP2L	inner mito	ENSG00000110362	-1.11293	1.753461	-0.63471
ENSG00000123071	ERP44	endoplasm	ENSG00000139246	0.596417	0.939764	0.634645
ENSG00000155971	BAIAP2L1	BAI1 assoc	ENSG00000176389	-1.28621	2.026952	-0.63456
ENSG000001112849	L3HYPDH	trans-L-3-h	ENSG00000176389	-1.28621	2.026952	-0.63456
ENSG0000017248	TSC1	TSC compl	ENSG00000112905	-0.4221	0.665578	-0.63419
ENSG00000110612	TRIM3	tripartite n	ENSG00000110379	-1.10985	1.750341	-0.63408
ENSG0000012000	ELF4	E74 like ET	ENSG00000114915	0.880378	1.388527	0.634037
ENSG00000157673	BEND3	BEN domai	ENSG00000143814	1.533593	2.421104	0.633427
ENSG000001100132707	PAXIP1-AS	PAXIP1 ant	ENSG00000143814	1.533593	2.421104	0.633427
ENSG000001102724826	ZNF337-AS	ZNF337 an	ENSG00000143814	1.533593	2.421104	0.633427
ENSG00000110179	RBM7	RNA bindir	ENSG00000114893	0.88856	1.403475	0.633114
ENSG0000013006	HIST1H1C	histone clu	ENSG00000111083	0.480146	0.758433	0.633076
ENSG000001143098	MPP7	membrane	ENSG00000126027	0.711068	1.123304	0.633015
ENSG000001253782	CERS6	ceramide s	ENSG00000111994	0.420791	0.664772	0.632985
ENSG00000154732	TMED9	transmembr	ENSG00000125319	-0.73424	1.160016	-0.63296
ENSG00000154963	UCKL1	uridine-cyt	ENSG00000125319	-0.73424	1.160016	-0.63296
ENSG0000011293	COL6A3	collagen ty	ENSG00000152198	-0.36279	0.573226	-0.63289
ENSG000001121512	FGD4	FYVE, Rho	ENSG00000113211	-0.43301	0.684248	-0.63283
ENSG0000019693	RAPGEF2	Rap guanir	ENSG00000116576	-0.40219	0.635581	-0.63279

ENSG00000151652	CHMP3	charged m	ENSG00000170.98528	0.485726	0.767654	0.63274
ENSG00000183478	ARHGAP24	Rho GTPas	ENSG00000132.64546	-0.6754	1.067845	-0.63249
ENSG00000157291	DANCR	differentia	ENSG00000135.97947	0.613381	0.97039	0.632098
ENSG000001114881	OSBPL7	oxysterol b	ENSG0000014.319834	1.577349	2.495923	0.63197
ENSG00000110266	RAMP2	receptor ac	ENSG00000118.20775	-0.87134	1.378779	-0.63196
ENSG0000019903	KLHL21	kelch like f	ENSG000001101.518	-0.44353	0.702128	-0.6317
ENSG00000163939	FAM217B	family with	ENSG00000142.55201	0.580903	0.919818	0.631542
ENSG000001221442	ADCY10P1	adenylate c	ENSG0000018.774371	1.106246	1.751974	0.631428
ENSG0000018800	PEX11A	peroxisom	ENSG0000018.774371	1.106246	1.751974	0.631428
ENSG000001145407	ARMH4	armadillo-l	ENSG00000116.02187	-0.96825	1.534127	-0.63114
ENSG000001158880	USP51	ubiquitin s	ENSG0000015.838203	1.328037	2.104377	0.631083
ENSG00000129092	LINC00339	long interg	ENSG0000014.730223	-1.64829	2.611896	-0.63107
ENSG000001100131998	RRN3P3	RRN3 hom	ENSG0000014.730223	-1.64829	2.611896	-0.63107
ENSG000001101927547	ANKRD44-I	ANKRD44 i	ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG0000014521	NUDT1	nudix hydr	ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG00000100205740			ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG000001399715	LOC399715	uncharacte	ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG000001727708	SNORD116	small nucle	ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG00000179001	VKORC1	vitamin K e	ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG00000151003	MED31	mediator c	ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG00000100280295			ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG00000151136	RNFT1	ring finger	ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG00000185001	MGC16275	uncharacte	ENSG0000013.047856	1.812034	2.871514	0.631038
ENSG000001284	ANGPT1	angiopoiet	ENSG00000116.41775	0.85041	1.347775	0.630973
ENSG0000015501	PPP1CC	protein ph	ENSG000001163.7791	0.39626	0.62803	0.630957
ENSG00000179652	TMEM204	transmembr	ENSG00000115.45114	-0.9091	1.440975	-0.63089
ENSG00000110328	EMC8	ER membr	ENSG00000115.45114	-0.9091	1.440975	-0.63089
ENSG0000016672	SP100	SP100 nucl	ENSG000001126.4956	0.417746	0.662193	0.630851
ENSG00000123315	SLC9A8	solute carr	ENSG00000126.1565	0.693132	1.098996	0.630695
ENSG0000018315	BRAP	BRCA1 ass	ENSG00000130.70154	0.672911	1.067329	0.630462
ENSG0000019329	GTF3C4	general tra	ENSG00000134.82506	-0.64483	1.022919	-0.63038
ENSG00000155967	NDUFA12	NADH:ubic	ENSG00000180.39721	0.490718	0.77856	0.630289
ENSG00000153343	NUDT9	nudix hydr	ENSG00000120.41625	-0.80174	1.27205	-0.63027
ENSG0000017528	YY1	YY1 transcr	ENSG00000192.40108	-0.45617	0.72406	-0.63002
ENSG0000019656	MDC1	mediator o	ENSG00000132.47702	-0.66465	1.055132	-0.62992
ENSG0000017008	TEF	TEF, PAR b	ENSG00000134.95833	-0.64779	1.028438	-0.62988
ENSG0000013995	FADS3	fatty acid d	ENSG00000130.12897	-0.68773	1.091969	-0.6298
ENSG00000180114	BICC1	BicC family	ENSG00000147.05428	-0.59964	0.952208	-0.62974
ENSG0000019776	ATG13	autophagy	ENSG00000155.71108	-0.53536	0.850144	-0.62973
ENSG0000014665	NAB2	NGFI-A bin	ENSG00000118.12091	0.805172	1.278671	0.629694
ENSG0000011277	COL1A1	collagen ty	ENSG00000153.99013	0.538784	0.855848	0.629532
ENSG00000180173	IFT74	intraflagell	ENSG00000121.21925	0.769832	1.222894	0.629516
ENSG0000019674	KIAA0040	KIAA0040	ENSG00000166.12021	-0.54629	0.868131	-0.62927
ENSG0000011939	EIF2D	eukaryotic	ENSG00000134.79616	-0.6402	1.017489	-0.6292
ENSG000001128061	C1orf131	chromosom	ENSG0000017.294975	1.204821	1.914882	0.629188
ENSG00000154976	C20orf27	chromosom	ENSG0000017.294975	1.204821	1.914882	0.629188
ENSG00000183642	SELENOO	selenoprot	ENSG0000017.294975	1.204821	1.914882	0.629188

ENSG00000154914	FOCAD	focadhesin	ENSG00000172.70479	0.482677	0.767659	0.628764
ENSG00000151341	ZBTB7A	zinc finger	ENSG00000125.21919	-0.7284	1.158624	-0.62868
ENSG0000016051	RNPEP	arginyl ami	ENSG00000117.52756	0.885373	1.408773	0.628471
ENSG00000125864	ABHD14A	abhydrolas	ENSG00000110.29274	1.034351	1.646082	0.628371
ENSG00000181691	REXO5	RNA exonu	ENSG0000017.210752	1.24853	1.98849	0.627878
ENSG0000011486	CTBS	chitobiase	ENSG00000118.08194	0.807043	1.2858	0.627658
ENSG0000018347	HIST1H2BC	histone clu	ENSG00000118.08194	0.807043	1.2858	0.627658
ENSG00000155769	ZNF83	zinc finger	ENSG00000132.34754	-0.65501	1.044152	-0.62731
ENSG00000151010	EXOSC3	exosome c	ENSG00000113.3521	0.929078	1.481196	0.627248
ENSG0000011894	ECT2	epithelial c	ENSG00000112.94093	-0.99667	1.589277	-0.62712
ENSG00000164781	CERK	ceramide k	ENSG000001128.9428	-0.41871	0.667763	-0.62703
ENSG00000154465	ETAA1	ETAA1, ATf	ENSG00000110.27861	-1.09664	1.749292	-0.62691
ENSG000001596	BCL2	BCL2, apop	ENSG00000139.29151	0.591376	0.943388	0.626864
ENSG0000015797	PTPRM	protein tyr	ENSG000001367.5437	-0.34204	0.546045	-0.62639
ENSG0000014489	MT1A	metallothi	ENSG0000015.212937	-1.82128	2.907682	-0.62637
ENSG000001254394	MCM9	minichrom	ENSG00000120.42252	-0.8065	1.28773	-0.6263
ENSG0000016522	SLC4A2	solute carr	ENSG00000120.42252	-0.8065	1.28773	-0.6263
ENSG00000193643	TJAP1	tight juncti	ENSG00000117.90603	-0.84726	1.352908	-0.62625
ENSG00000181556	INTS14	integrator	ENSG00000117.90603	-0.84726	1.352908	-0.62625
ENSG00000154868	TMEM104	transmembr	ENSG0000017.577329	-1.27316	2.033044	-0.62623
ENSG00000151755	CDK12	cyclin depe	ENSG00000176.26647	-0.4786	0.764388	-0.62612
ENSG0000017469	NELFA	negative el	ENSG00000110.31537	1.021303	1.631275	0.626077
ENSG00000110282	BET1	Bet1 golgi	ENSG00000110.31537	1.021303	1.631275	0.626077
ENSG0000017358	UGDH	UDP-glucos	ENSG00000120.35465	-0.7965	1.272259	-0.62605
ENSG00000123259	DDHD2	DDHD dom	ENSG00000169.40531	0.485298	0.775238	0.625999
ENSG00000179921	TCEAL4	transcripti	ENSG00000142.58091	0.575151	0.918843	0.625951
ENSG00000157226	LYRM2	LYR motif c	ENSG00000154.37607	0.523734	0.836733	0.625927
ENSG0000012475	MTOR	mechanisti	ENSG000001135.5557	-0.41087	0.656455	-0.62589
ENSG000001253769	WDR27	WD repeat	ENSG00000117.88341	-0.84345	1.347716	-0.62584
ENSG00000126093	CCDC9	coiled-coil	ENSG00000117.88341	-0.84345	1.347716	-0.62584
ENSG00000154960	GEMIN8	gem nucle	ENSG0000017.616302	-1.27758	2.041967	-0.62566
ENSG000001387707	CC2D2B	coiled-coil	ENSG0000014.443029	1.491656	2.384539	0.625553
ENSG000001125950	RAVER1	ribonucleo	ENSG0000014.443029	1.491656	2.384539	0.625553
ENSG000001113835	ZNF257	zinc finger	ENSG0000014.443029	1.491656	2.384539	0.625553
ENSG000001125893	ZNF816	zinc finger	ENSG0000014.443029	1.491656	2.384539	0.625553
ENSG00000127166	PRELID1	PRELI dom	ENSG0000017.256002	1.207382	1.930453	0.62544
ENSG00000155063	ZCWPW1	zinc finger	ENSG0000017.256002	1.207382	1.930453	0.62544
ENSG00000163891	RNF123	ring finger	ENSG00000130.01585	-0.67646	1.081886	-0.62526
ENSG0000016513	SLC2A1	solute carr	ENSG00000139.34683	0.591591	0.946351	0.625128
ENSG000001642	BLMH	bleomycin	ENSG00000118.02295	-0.85362	1.365906	-0.62495
ENSG00000123764	MAFF	MAF bZIP t	ENSG00000118.02295	-0.85362	1.365906	-0.62495
ENSG00000123467	NPTXR	neuronal p	ENSG00000130.17801	-0.68519	1.096482	-0.6249
ENSG000001113622	ADPRHL1	ADP-ribosy	ENSG000001429.4149	-0.34116	0.546074	-0.62475
ENSG0000013065	HDAC1	histone de	ENSG00000129.9379	-0.67373	1.078623	-0.62462
ENSG000001269967			ENSG0000011.575128	-2.7238	4.360782	-0.62461
ENSG000001200172	SLFNL1	schlafen lik	ENSG0000011.575128	-2.7238	4.360782	-0.62461
ENSG000001177452			ENSG0000011.575128	-2.7238	4.360782	-0.62461

ENSG000001645676	ASH1L-AS1	ASH1L anti	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG00000157863	CADM3	cell adhesi	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG00000110896	OCLM	oculomedi	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010227417			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001101928185	NCKAP5-A	NCKAP5 ar	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001132158	GLYCTK	glycerate k	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001776	CACNA1D	calcium vo	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010241985			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001654502	IQCJ	IQ motif cc	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001285463	CTBP1-AS	CTBP1 anti	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000012261	FGFR3	fibroblast g	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001100506462	SRD5A3-AS	SRD5A3 an	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010249947			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010278925			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010229108			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010253649			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010272505			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010249258			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010254272			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010225017			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001375686	SPATC1	spermatog	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010255396			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010230911			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000013	A2MP1	alpha-2-m	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000011272	CNTN1	contactin 1	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010270429			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010234925			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001100507091	PITPNM2-1	PITPNM2 a	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010237672			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010258983			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010258581			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010241061			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG00000180154	GOLGA2P1	GOLGA2 ps	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010239763			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001102724009	LOC102724	uncharacte	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG00000110400	PEMT	phosphatic	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010267708			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010266965			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010267838			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG0000010241054			ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG00000123119	HIC2	HIC ZBTB ti	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG000001100132163	PHKA2-AS1	PHKA2 ant	ENSG000001575128	-2.7238	4.360782	-0.62461
ENSG00000159277	NTN4	netrin 4	ENSG000001108.449	-0.4368	0.699362	-0.62458
ENSG0000011608	DGKG	diacylglyce	ENSG00000193.14144	0.443154	0.709607	0.624506
ENSG00000179065	ATG9A	autophagy	ENSG00000185.36701	-0.46118	0.738861	-0.62418
ENSG0000011152	CKB	creatine ki	ENSG00000174.00946	0.493364	0.790478	0.624134
ENSG00000126576	SRPK3	SRSF prote	ENSG00000116.54094	0.83196	1.33305	0.624103

ENSG00000151106	TFB1M	transcription factor	ENSG00000151106	4.691251	-1.64149	2.630209	-0.62409
ENSG0000010273599			ENSG0000010273599	4.691251	-1.64149	2.630209	-0.62409
ENSG0000015830	PEX5	peroxisomal protein	ENSG0000015830	32.30857	-0.65373	1.047789	-0.62391
ENSG00000184617	TUBB6	tubulin beta	ENSG00000184617	57.76605	0.512215	0.821013	0.623882
ENSG000001103	ADAR	adenosine deaminase	ENSG000001103	224.1049	0.362784	0.581709	0.623652
ENSG0000019255	AIMP1	aminoacyl-tRNA synthetase	ENSG0000019255	29.5075	0.653407	1.048455	0.62321
ENSG000001125058	TBC1D16	TBC1 domain containing	ENSG000001125058	44.03245	-0.57977	0.930352	-0.62317
ENSG00000151542	VPS54	VPS54, GAI1	ENSG00000151542	39.33008	-0.60176	0.965974	-0.62296
ENSG00000154552	GNL3L	G protein-coupled receptor	ENSG00000154552	34.63399	-0.63264	1.015594	-0.62293
ENSG0000015352	PLOD2	procollagen-3A1	ENSG0000015352	37.02101	-0.61733	0.991171	-0.62283
ENSG00000123132	RAD54L2	RAD54 like	ENSG00000123132	57.8517	-0.52207	0.83824	-0.62282
ENSG00000180000	GREB1L	GREB1 like	ENSG00000180000	22.76429	-0.75558	1.213301	-0.62275
ENSG00000180011	FAM192A	family with 192A	ENSG00000180011	62.73599	0.50198	0.80633	0.622549
ENSG00000110263	CDK2AP2	cyclin dependent kinase	ENSG00000110263	23.01291	0.720226	1.157335	0.622314
ENSG00000181563	C1orf21	chromosome 1 open reading frame	ENSG00000181563	117.963	-0.43744	0.703016	-0.62223
ENSG00000150865	HEBP1	heme binding protein	ENSG00000150865	17.86078	-0.83961	1.349401	-0.62221
ENSG00000123318	TUT4	terminal uridine phosphorylase	ENSG00000123318	92.08681	-0.44909	0.722224	-0.62182
ENSG000001286101	ZNF252P	zinc finger protein	ENSG000001286101	52.7345	0.526913	0.847478	0.621742
ENSG00000110505	SEMA4F	semaphorin 4F	ENSG00000110505	4.668626	-1.62792	2.618815	-0.62162
ENSG0000010233766			ENSG0000010233766	4.668626	-1.62792	2.618815	-0.62162
ENSG00000157537	SORCS2	sortilin related	ENSG00000157537	4.668626	-1.62792	2.618815	-0.62162
ENSG000001114991	ZNF618	zinc finger protein	ENSG000001114991	4.668626	-1.62792	2.618815	-0.62162
ENSG0000010277152			ENSG0000010277152	4.668626	-1.62792	2.618815	-0.62162
ENSG000001729852	UMAD1	UBAP1-MV	ENSG000001729852	14.99995	0.86201	1.38795	0.621067
ENSG0000012802	GOLGA3	golgin A3	ENSG0000012802	60.35564	-0.51974	0.837187	-0.62081
ENSG000001200205	IBA57	IBA57, iron binding	ENSG000001200205	25.17393	-0.72296	1.164927	-0.6206
ENSG0000012542	SLC37A4	solute carrier	ENSG0000012542	7.3176	1.184362	1.908475	0.62058
ENSG00000123731	TMEM245	transmembrane protein	ENSG00000123731	355.6276	-0.35358	0.569838	-0.62049
ENSG0000013159	HMGA1	high mobility group	ENSG0000013159	27.83704	0.67627	1.090831	0.619958
ENSG00000184248	FYTTD1	forty-two-two domain	ENSG00000184248	123.1358	0.422932	0.68254	0.619644
ENSG000001114826	SMYD4	SET and MYND domain	ENSG000001114826	20.36093	-0.80125	1.293509	-0.61944
ENSG000001404672	GTF2H5	general transcription factor	ENSG000001404672	24.6771	0.696886	1.125069	0.619416
ENSG00000125999	CLIP3	CAP-Gly domain	ENSG00000125999	7.554704	-1.2644	2.041335	-0.6194
ENSG00000151366	UBR5	ubiquitin protein	ENSG00000151366	213.8177	-0.36595	0.590859	-0.61935
ENSG00000123588	KLHDC2	kelch domain	ENSG00000123588	52.7961	0.524221	0.846402	0.619352
ENSG00000180746	TSEN2	tRNA splicing endonuclease	ENSG00000180746	15.32794	-0.89549	1.44593	-0.61932
ENSG000001196951	FAM227B	family with 227B	ENSG000001196951	11.89533	0.95628	1.544206	0.61927
ENSG00000122223	KIAA1324L	KIAA1324 like	ENSG00000122223	15.35057	-0.89991	1.453732	-0.61904
ENSG0000011455	CSNK1G2	casein kinase	ENSG0000011455	13.45895	0.89896	1.452731	0.618807
ENSG00000110226	PLIN3	perilipin 3	ENSG00000110226	13.45895	0.89896	1.452731	0.618807
ENSG0000012776	GNAQ	G protein subunit	ENSG0000012776	71.27692	0.47531	0.768197	0.618735
ENSG000001122830	NAA30	N(alpha)-acetyltransferase	ENSG000001122830	54.45401	0.521891	0.843738	0.618546
ENSG00000125825	BACE2	beta-secretase	ENSG00000125825	30.00578	-0.68043	1.1001	-0.61851
ENSG000001284184	NDUFAF8	NADH:ubiquinone	ENSG000001284184	10.37696	1.005972	1.626808	0.618372
ENSG00000184804	MFS9	major facilitator	ENSG00000184804	5.899801	1.29841	2.101084	0.617971
ENSG00000110793	ZNF273	zinc finger protein	ENSG00000110793	5.899801	1.29841	2.101084	0.617971
ENSG00000156986	DTWD1	DTW domain	ENSG00000156986	22.68635	-0.75216	1.217401	-0.61784

ENSG00000125797	QPCT	glutaminyl	ENSG00000158157	5.815578	1.355277	2.193821	0.61777
ENSG00000157577	CCDC191	coiled-coil	ENSG00000158157	5.815578	1.355277	2.193821	0.61777
ENSG0000010264853			ENSG00000158157	5.815578	1.355277	2.193821	0.61777
ENSG00000110514	MYBBP1A	MYB bindin	ENSG00000122663	22.66372	-0.74914	1.212833	-0.61768
ENSG00000111167	FSTL1	folliculin	ENSG00000145519	455.1946	-0.35339	0.572388	-0.6174
ENSG00000157611	ISLR2	immunoglobulin	ENSG00000148307	4.830794	-1.67625	2.715131	-0.61737
ENSG00000151111	KMT5B	lysine methyltransferase	ENSG00000155464	55.46468	-0.52723	0.854056	-0.61732
ENSG00000151735	RAPGEF6	Rap guanine nucleotide exchange factor 6	ENSG00000175157	7.515731	-1.25998	2.041209	-0.61727
ENSG0000018266	UBL4A	ubiquitin-like protein 4A	ENSG00000157889	57.88924	0.507304	0.821998	0.61716
ENSG0000013590	IL11RA	interleukin 11 receptor A	ENSG00000120231	20.23145	-0.78598	1.274117	-0.61688
ENSG000001130497	OSR1	odd-skipped homolog 1	ENSG00000178526	7.852624	-1.34339	2.17828	-0.61672
ENSG0000010280138			ENSG00000120276	20.2767	-0.79272	1.285554	-0.61663
ENSG0000013958	LGALS3	galectin 3	ENSG00000111374	113.7465	0.413942	0.671302	0.616625
ENSG00000190338	ZNF160	zinc finger protein 160	ENSG00000160170	60.17084	-0.51406	0.833918	-0.61644
ENSG0000017375	USP4	ubiquitin-specific protease 4	ENSG00000159559	59.55971	0.501158	0.813132	0.61633
ENSG0000018881	CDC16	cell division cycle 16	ENSG00000136936	36.93679	-0.6125	0.99473	-0.61574
ENSG00000151338	MS4A4A	membrane-spanning domain 4A	ENSG00000121573	21.57353	0.884922	1.437226	0.615716
ENSG0000016678	SPARC	secreted phosphoprotein 1	ENSG00000154534	545.3418	-0.36203	0.587997	-0.6157
ENSG00000125778	DSTYK	dual serine/threonine kinase	ENSG00000139284	39.28483	-0.59832	0.972029	-0.61553
ENSG00000159339	PLEKHA2	pleckstrin homology domain 2	ENSG00000196767	96.76774	0.43176	0.701452	0.615523
ENSG0000013608	ILF2	interleukin 1 family, class II, member 2	ENSG00000164312	64.31217	0.497626	0.808561	0.615447
ENSG000001729082	OIP5-AS1	OIP5 antisense 1	ENSG00000125192	251.925	0.351604	0.571709	0.615005
ENSG00000123597	ACOT9	acyl-CoA thioesterase 9	ENSG00000166362	66.36229	0.48197	0.783755	0.61495
ENSG0000014200	ME2	malic enzyme 2	ENSG00000178134	78.13482	0.460863	0.749973	0.614506
ENSG00000164801	ARV1	ARV1 homolog	ENSG00000117991	17.99144	0.832181	1.354542	0.614363
ENSG0000015518	PPP2R1A	protein phosphatase 2 regulatory subunit 1A	ENSG00000119900	199.0063	0.365122	0.594317	0.614355
ENSG0000010273270			ENSG00000173565	73.356573	1.181709	1.92378	0.614264
ENSG00000180146	UXS1	UDP-glucuronate decarboxylase 1	ENSG00000124738	24.7387	0.690959	1.124857	0.614264
ENSG00000123215	PRRC2C	proline-rich coiled-coil domain 2C	ENSG00000128380	283.8087	-0.35182	0.572848	-0.61415
ENSG000001124411	ZNF720	zinc finger protein 720	ENSG00000131255	31.25592	0.630443	1.026584	0.614118
ENSG00000151530	ZC3HC1	zinc finger protein CCHC domain 1	ENSG00000118266	18.26673	0.782308	1.273961	0.614075
ENSG000001961	CD47	CD47 molecule	ENSG00000196609	96.60936	0.437683	0.713022	0.613843
ENSG000001256158	HMCN2	hemacentrin 2	ENSG00000130093	30.09379	-0.67938	1.106895	-0.61377
ENSG000001387680	WASHC2A	WASH complex component 2A	ENSG00000172614	72.61429	0.487284	0.794108	0.613625
ENSG0000018502	PKP4	plakophilin 4	ENSG00000196733	96.73386	-0.44616	0.727117	-0.6136
ENSG0000017107	GPR137B	G protein-coupled receptor 137B	ENSG00000142888	42.8889	0.558416	0.910192	0.613515
ENSG000001445	ASS1	argininosuccinate lyase	ENSG00000164435	64.43536	0.4932	0.804058	0.613388
ENSG00000184687	PPP1R9B	protein phosphatase 1 regulatory subunit 9B	ENSG00000131032	31.03215	0.645902	1.05364	0.613019
ENSG0000019684	LRRC14	leucine-rich repeat-containing protein 14	ENSG00000110233	10.23336	-1.08356	1.767593	-0.61301
ENSG0000014983	OPHN1	oligophrenin 1	ENSG00000122680	22.68007	-0.74783	1.219991	-0.61298
ENSG00000151071	DERA	deoxyribose kinase	ENSG00000118104	18.10456	0.800842	1.306645	0.612899
ENSG000001283417	DPY19L2	dpy-19 like protein 2	ENSG00000157660	57.66063	-0.51469	0.839871	-0.61282
ENSG000001989	SEPT7	septin 7	ENSG00000117864	178.6413	0.371977	0.607025	0.612787
ENSG000001114879	OSBPL5	oxysterol-binding protein-like 5	ENSG00000112749	12.74986	-0.96485	1.574542	-0.61278
ENSG0000016386	SDCBP	syndecan binding protein	ENSG00000118268	182.6899	-0.38039	0.620786	-0.61276
ENSG00000155798	METTL2B	methyltransferase 2B	ENSG00000122602	22.60212	-0.74439	1.214856	-0.61274
ENSG00000150485	SMARCA1	SWI/SNF related, core class A	ENSG00000174931	7.493106	-1.25113	2.042734	-0.61248

ENSG00000114905	C1QTNF7	C1q and TNF	ENSG00000174931	06	-1.25113	2.042734	-0.61248
ENSG0000012065	ERBB3	erb-b2 receptor tyrosine kinase	ENSG00000174931	06	-1.25113	2.042734	-0.61248
ENSG0000018671	SLC4A4	solute carrier family 4 member 4	ENSG00000157591	32	0.522384	0.852998	0.61241
ENSG00000184955	NUDCD1	NudC domain containing 1	ENSG00000120192	48	-0.78409	1.280382	-0.61239
ENSG0000013832	KIF11	kinesin family class I member 11	ENSG00000144204	04	1.531809	2.502162	0.612194
ENSG00000110625	IVNS1ABP	influenza virus NS1 associated protein	ENSG00000115140	84	0.383676	0.626993	0.61193
ENSG0000018545	CGGBP1	CGG triplet repeat binding protein 1	ENSG00000194042	64	-0.43939	0.718109	-0.61188
ENSG000001161823	ADAL	adenosine deaminase	ENSG00000127814	41	0.679851	1.111133	0.611854
ENSG00000157478	USP31	ubiquitin specific protease 31	ENSG00000110766	08	-0.42405	0.693173	-0.61175
ENSG000001149478	BTBD19	BTB domain containing 19	ENSG00000146070	28	-1.60728	2.629642	-0.61121
ENSG000001440957	SMIM4	small intestine myofibrillar protein 4	ENSG00000146070	28	-1.60728	2.629642	-0.61121
ENSG0000010205664			ENSG00000146070	28	-1.60728	2.629642	-0.61121
ENSG00000151061	TXNDC11	thioredoxin domain containing 11	ENSG00000129753	11	-0.66274	1.084314	-0.61121
ENSG0000019925	ZBTB5	zinc finger BTB domain containing 5	ENSG00000118166	16	0.792504	1.296923	0.611065
ENSG0000017092	TLL1	tolloid like 1	ENSG00000147138	76	-1.6541	2.707107	-0.61102
ENSG00000155959	SULF2	sulfatase 2	ENSG00000171453	47	-0.48282	0.790464	-0.61081
ENSG0000019465	AKAP7	A-kinase anchoring protein 7	ENSG00000118221	48	0.794824	1.301382	0.610754
ENSG0000016868	ADAM17	ADAM metallopeptidase with thrombospondin type 1 motifs 17	ENSG00000132881	13	0.618655	1.013011	0.610709
ENSG00000110463	SLC30A9	solute carrier family 30 member 9	ENSG00000114236	21	0.398714	0.652984	0.610604
ENSG00000151191	HERC5	HECT and E3 ubiquitin ligase 5	ENSG00000188975	67	1.069456	1.751742	0.61051
ENSG00000110286	BCAS2	BCAS2, precursor of BCAS1	ENSG00000121533	51	0.726436	1.190052	0.610424
ENSG0000016837	MED22	mediator complex subunit 22	ENSG00000121533	51	0.726436	1.190052	0.610424
ENSG000001114800	CCDC85A	coiled-coil domain containing 85A	ENSG00000146296	53	-1.62093	2.656267	-0.61023
ENSG0000017433	VIPR1	vasoactive intestinal peptide receptor 1	ENSG00000146296	53	-1.62093	2.656267	-0.61023
ENSG00000184930	MASTL	microtubule associated serine/threonine kinase	ENSG00000146296	53	-1.62093	2.656267	-0.61023
ENSG0000018812	CCNK	cyclin K	ENSG00000188585	94	1.072053	1.756888	0.6102
ENSG0000017082	TJP1	tight junction protein 1	ENSG00000139017	92	-0.32865	0.538639	-0.61015
ENSG000001100101467	ZSCAN30	zinc finger and SCAN domain containing 30	ENSG00000132380	24	-0.65352	1.071437	-0.60994
ENSG000001140461	ASB8	ankyrin repeat domain containing 8	ENSG00000188456	86	0.439667	0.720928	0.609863
ENSG0000011066	CES1	carboxylesterase 1	ENSG00000134600	65	0.607113	0.995516	0.609847
ENSG000001129787	TMEM18	transmembrane protein 18	ENSG00000110276	39	1.024217	1.679525	0.609826
ENSG0000019337	CNOT8	CCR4-NOT complex subunit 8	ENSG00000139106	31	-0.59217	0.971288	-0.60967
ENSG000001116154	PHACTR3	phosphatase and actin regulator 3	ENSG00000110438	56	0.990776	1.625669	0.609457
ENSG0000018625	RFXANK	regulatory factor X associated nuclear protein	ENSG00000110132	29	-1.07007	1.756035	-0.60936
ENSG00000110432	RBM14	RNA binding motif protein 14	ENSG00000129707	86	-0.65812	1.0805	-0.60909
ENSG0000019117	SEC22C	SEC22 homolog C	ENSG00000146043	36	-0.55399	0.909647	-0.60902
ENSG00000111282	MGAT4B	alpha-1,3-mannosylglyucosyl transferase 4B	ENSG00000161447	67	0.489744	0.804849	0.608492
ENSG000001196441	ZFC3H1	zinc finger CCHC domain containing 1	ENSG00000168975	95	-0.48179	0.791858	-0.60843
ENSG0000013099	HK2	hexokinase 2	ENSG00000143870	28	-0.57362	0.942948	-0.60833
ENSG0000011107	CHD3	chromodomain helicase domain protein 3	ENSG00000149691	49	0.525197	0.863443	0.608259
ENSG0000018659	ALDH4A1	aldehyde dehydrogenase family 4 member A1	ENSG00000110171	77	-1.0735	1.765092	-0.60818
ENSG00000110192855C	SMC2-AS1	SMC2 antisense 1	ENSG0000014646		-1.61431	2.65552	-0.60791
ENSG0000011478	CSTF2	cleavage stimulation factor 2	ENSG0000014646		-1.61431	2.65552	-0.60791
ENSG00000155737	VPS35	VPS35, retrograde	ENSG00000113782	58	0.390375	0.642254	0.60782
ENSG000001129303	TMEM150	transmembrane protein 150	ENSG00000174541	34	-1.24666	2.051614	-0.60765
ENSG0000011649	DDIT3	DNA damage inducible transcript 3	ENSG00000174541	34	-1.24666	2.051614	-0.60765
ENSG00000123541	SEC14L2	SEC14 like 2	ENSG00000174541	34	-1.24666	2.051614	-0.60765



ENSG0000010253284			ENSG0000010797391	-0.858	1.412155	-0.60758
ENSG00000109976	CLEC2B	C-type lect	ENSG0000011181739	0.961436	1.582441	0.607565
ENSG000001054788	DNAJB12	DnaJ heat s	ENSG00000141.37014	-0.57562	0.947422	-0.60756
ENSG00000105464	PPA1	pyrophosp	ENSG00000166.52446	0.47693	0.785219	0.607385
ENSG000001023171	GPD1L	glycerol-3-	ENSG000001485.5735	0.318484	0.52464	0.607053
ENSG000001080155	NAA15	N(alpha)-a	ENSG00000169.92072	0.467825	0.771221	0.606603
ENSG00000103709	ITPR2	inositol 1,4	ENSG000001112.5152	-0.42615	0.702557	-0.60657
ENSG0000010283871	PGP	phosphogl	ENSG00000115.20475	-0.88174	1.453945	-0.60645
ENSG00000104724	NDUFS4	NADH:ubic	ENSG00000164.56235	0.49311	0.813785	0.605946
ENSG0000010160857	CCDC122	coiled-coil	ENSG0000017.532079	-1.25583	2.075423	-0.6051
ENSG00000106575	SLC20A2	solute carr	ENSG000001108.2134	0.430926	0.712362	0.604926
ENSG0000010116883			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010223519			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010248115			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010278974			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010153218	SPINK13	serine pep	ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010102724404	LOC102724	uncharacte	ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010285755	PPIL6	peptidylpro	ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010255200			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010277548			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010260853			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010262402			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010277534			ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG00000101828	DSG1	desmoglein	ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG00000102354	FOSB	FosB proto	ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG0000010140680	C20orf96	chromosom	ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG00000105126	PCSK2	proprotein	ENSG0000011.552503	-2.69123	4.449447	-0.60484
ENSG000001054795	TRPM4	transient re	ENSG00000122.65744	-0.74486	1.231893	-0.60465
ENSG000001023190	UBXN4	UBX domain	ENSG000001102.1462	0.420348	0.695255	0.604595
ENSG00000108915	BCL10	B cell CLL/I	ENSG00000113.48158	0.889925	1.471937	0.604594
ENSG00000109801	MRPL19	mitochond	ENSG00000153.20465	-0.53354	0.882671	-0.60447
ENSG00000108301	PICALM	phosphatic	ENSG000001220.8959	0.36095	0.597205	0.604399
ENSG0000010118987	PDZD8	PDZ domain	ENSG00000173.40302	-0.46831	0.775061	-0.60423
ENSG0000010144108	SPTY2D1	SPT2 chron	ENSG00000120.08563	-0.77194	1.277596	-0.60422
ENSG00000105578	PRKCA	protein kin	ENSG00000152.98089	-0.5262	0.871052	-0.6041
ENSG0000010148252	DIRAS1	DIRAS fami	ENSG000001147.7699	-0.41418	0.6859	-0.60385
ENSG0000010221302	ZUP1	zinc finger	ENSG0000017.440796	1.139516	1.887285	0.603786
ENSG0000010441250	TYW1B	tRNA-yW s	ENSG0000017.440796	1.139516	1.887285	0.603786
ENSG000001057097	PARP11	poly(ADP-r	ENSG0000017.440796	1.139516	1.887285	0.603786
ENSG000001054470	ARMCX6	armadillo r	ENSG0000017.440796	1.139516	1.887285	0.603786
ENSG00000109392	TGFBRAP1	transformi	ENSG00000127.27559	-0.67644	1.120326	-0.60378
ENSG00000108974	P4HA2	prolyl 4-hy	ENSG00000144.60841	0.551297	0.913188	0.603705
ENSG00000101902	LPAR1	lysophosph	ENSG00000147.94935	0.532681	0.882507	0.6036
ENSG000001023256	SCFD1	sec1 family	ENSG00000143.02845	0.552932	0.916456	0.603337
ENSG000001080110	ZNF614	zinc finger	ENSG00000117.65336	-0.8178	1.355472	-0.60333
ENSG000001010311	VPS26C	VPS26 end	ENSG00000161.55452	0.484524	0.803228	0.60322
ENSG000001027124	INPP5J	inositol pol	ENSG00000115.38326	-0.8961	1.485713	-0.60314

ENSG000001420	SNHG3	small nucle	ENSG0000017476759	-1.25524	2.082928	-0.60263
ENSG000001129685	TAF8	TATA-box k	ENSG00000158.20351	0.49285	0.818054	0.602467
ENSG0000014216	MAP3K4	mitogen-ac	ENSG00000159.9408	-0.5062	0.84029	-0.60241
ENSG00000181035	COLEC12	collectin sc	ENSG00000139.6569	-0.62208	1.032655	-0.6024
ENSG0000017919	DDX39B	DExD-box f	ENSG00000146.43202	-0.57397	0.952888	-0.60235
ENSG0000011809	DPYSL3	dihydropyr	ENSG00000157.49218	-0.50844	0.84437	-0.60216
ENSG00000155582	KIF27	kinesin fan	ENSG00000112.04115	0.919592	1.527376	0.602073
ENSG000001730102	CRYZL2P	crystallin z	ENSG00000117.61439	-0.81569	1.355208	-0.6019
ENSG00000183737	ITCH	itchy E3 ub	ENSG00000151.47887	0.514553	0.854918	0.601874
ENSG00000184331	MCRIP2	MAPK regl	ENSG00000117.63702	-0.81958	1.361755	-0.60185
ENSG0000018220	ESS2	ess-2 spli	ENSG0000015.860828	1.301253	2.162349	0.601777
ENSG00000123054	NCOA6	nuclear rec	ENSG00000175.65049	-0.46347	0.770352	-0.60163
ENSG00000191368	CDKN2AIP	CDKN2A in	ENSG00000121.40404	0.748415	1.244087	0.601578
ENSG0000015837	PYGM	glycogen p	ENSG000001129.0308	-0.41922	0.696896	-0.60156
ENSG00000192591	ASB16	ankyrin re	ENSG00000110.09382	-1.0666	1.773275	-0.60149
ENSG00000110894	LYVE1	lymphatic	ENSG000001100.3502	-1.17577	1.955295	-0.60132
ENSG00000151631	LUC7L2	LUC7 like 2	ENSG00000120.04666	-0.77005	1.280774	-0.60124
ENSG00000156267	KYAT3	kynurenine	ENSG00000112.64928	-0.95387	1.586682	-0.60117
ENSG0000010280077			ENSG0000014.584402	-1.59333	2.651685	-0.60088
ENSG000001387640	SKIDA1	SKI/DACH	ENSG0000014.584402	-1.59333	2.651685	-0.60088
ENSG00000164800	EFCAB6	EF-hand ca	ENSG0000014.584402	-1.59333	2.651685	-0.60088
ENSG000001673	BRAF	B-Raf prot	ENSG00000164.30248	-0.4901	0.815738	-0.60081
ENSG0000010272501			ENSG0000015.922426	1.271727	2.116738	0.600796
ENSG0000011763	DNA2	DNA replic	ENSG0000017.470481	-1.24236	2.068972	-0.60047
ENSG0000013730	ANOS1	anosmin 1	ENSG00000118.3673	0.772212	1.286642	0.600176
ENSG00000190780	PYGO2	pygopus fa	ENSG00000120.06928	-0.77345	1.288771	-0.60015
ENSG000001199990	FAAP20	FA core co	ENSG0000014.54543	-1.58633	2.644667	-0.59982
ENSG00000151601	LIPT1	lipoyltrans	ENSG0000014.54543	-1.58633	2.644667	-0.59982
ENSG000001100131117	ZBTB20-AS	ZBTB20 an	ENSG0000014.54543	-1.58633	2.644667	-0.59982
ENSG000001169166	SNX31	sorting nex	ENSG0000014.54543	-1.58633	2.644667	-0.59982
ENSG00000184108	PCGF6	polycomb	ENSG0000014.54543	-1.58633	2.644667	-0.59982
ENSG00000156052	ALG1	ALG1, chit	ENSG0000014.54543	-1.58633	2.644667	-0.59982
ENSG0000010278931			ENSG0000014.54543	-1.58633	2.644667	-0.59982
ENSG0000018642	DCHS1	dachsous c	ENSG00000134.42029	-0.61837	1.031092	-0.59972
ENSG0000018880	FUBP1	far upstrea	ENSG00000198.26857	-0.42792	0.713622	-0.59964
ENSG00000184133	ZNRF3	zinc and rir	ENSG00000120.02403	-0.7666	1.278572	-0.59958
ENSG00000179758	DHRS12	dehydroge	ENSG00000110.50016	0.975689	1.627762	0.599405
ENSG00000110014	HDAC5	histone de	ENSG00000177.98219	-0.46119	0.769476	-0.59936
ENSG00000123515	MORC3	MORC fam	ENSG00000171.79233	0.458334	0.764794	0.59929
ENSG00000126010	SPATS2L	spermatog	ENSG00000170.9871	-0.46838	0.781801	-0.59911
ENSG0000018939	FUBP3	far upstrea	ENSG00000138.95422	-0.58234	0.972574	-0.59876
ENSG00000110694	CCT8	chaperonir	ENSG00000175.20493	0.451172	0.753948	0.598412
ENSG0000016902	TBCA	tubulin fol	ENSG00000128.2129	0.639114	1.068677	0.598042
ENSG00000192106	OXNAD1	oxidoreduc	ENSG00000131.91008	-0.62806	1.050237	-0.59802
ENSG00000155205	ZNF532	zinc finger	ENSG000001134.2333	-0.39156	0.654931	-0.59787
ENSG00000123245	ASTN2	astrotactin	ENSG0000018.959165	1.05127	1.758431	0.597846
ENSG0000015213	PFKM	phosphofr	ENSG000001700.8339	0.317427	0.531073	0.597709

ENSG0000010082	GPC6	glypican 6	ENSG0000010082	8.98179	1.0361	1.734805	0.597243
ENSG00000125977	NECAP1	NECAP enc	ENSG00000125977	31.23957	0.628712	1.052853	0.597151
ENSG0000018568	RRP1	ribosomal	ENSG0000018568	10.04857	-1.05321	1.764123	-0.59702
ENSG000001027482			ENSG000001027482	1.51353	-2.66977	4.472259	-0.59696
ENSG0000018438	RAD54L	RAD54 like	ENSG0000018438	1.51353	-2.66977	4.472259	-0.59696
ENSG000001339398	LINGO4	leucine ric	ENSG000001339398	1.51353	-2.66977	4.472259	-0.59696
ENSG000001148304	C1orf74	chromosom	ENSG000001148304	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010225900			ENSG0000010225900	1.51353	-2.66977	4.472259	-0.59696
ENSG00000150636	ANO7	anoctamin	ENSG00000150636	1.51353	-2.66977	4.472259	-0.59696
ENSG0000018536	CAMK1	calcium/ca	ENSG0000018536	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010236732			ENSG0000010236732	1.51353	-2.66977	4.472259	-0.59696
ENSG00000127094	KCNMB3	potassium	ENSG00000127094	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010276396			ENSG0000010276396	1.51353	-2.66977	4.472259	-0.59696
ENSG00000154798	DCHS2	dachsous c	ENSG00000154798	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010243914			ENSG0000010243914	1.51353	-2.66977	4.472259	-0.59696
ENSG000001105379152	LOC105379152	uncharacte	ENSG000001105379152	1.51353	-2.66977	4.472259	-0.59696
ENSG0000013136	HLA-H	major histc	ENSG0000013136	1.51353	-2.66977	4.472259	-0.59696
ENSG00000127232	GNMT	glycine N-r	ENSG00000127232	1.51353	-2.66977	4.472259	-0.59696
ENSG000001441151	TMEM151	transmembr	ENSG000001441151	1.51353	-2.66977	4.472259	-0.59696
ENSG000001102724484	LOC102724484	uncharacte	ENSG000001102724484	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010235475			ENSG0000010235475	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010243554			ENSG0000010243554	1.51353	-2.66977	4.472259	-0.59696
ENSG000001100505869	CFAP58-DT	CFAP58 div	ENSG000001100505869	1.51353	-2.66977	4.472259	-0.59696
ENSG000001101928069	LOC101928069	uncharacte	ENSG000001101928069	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010255318			ENSG0000010255318	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010254528			ENSG0000010254528	1.51353	-2.66977	4.472259	-0.59696
ENSG00000150838	TAS2R13	taste 2 rec	ENSG00000150838	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010243854			ENSG0000010243854	1.51353	-2.66977	4.472259	-0.59696
ENSG00000191523	PCED1B	PC-esteras	ENSG00000191523	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010278112			ENSG0000010278112	1.51353	-2.66977	4.472259	-0.59696
ENSG0000014081	MAB21L1	mab-21 lik	ENSG0000014081	1.51353	-2.66977	4.472259	-0.59696
ENSG000001100874064	PCDH9-AS1	PCDH9 ant	ENSG000001100874064	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010283208			ENSG0000010283208	1.51353	-2.66977	4.472259	-0.59696
ENSG00000157096	RPGRIP1	RPGR inter	ENSG00000157096	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010271075			ENSG0000010271075	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010260582			ENSG0000010260582	1.51353	-2.66977	4.472259	-0.59696
ENSG0000014832	NME3	NME/NM2	ENSG0000014832	1.51353	-2.66977	4.472259	-0.59696
ENSG00000179905	TMC7	transmembr	ENSG00000179905	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010276259			ENSG0000010276259	1.51353	-2.66977	4.472259	-0.59696
ENSG00000122843	PPM1E	protein ph	ENSG00000122843	1.51353	-2.66977	4.472259	-0.59696
ENSG00000154938	SARS2	seryl-tRNA	ENSG00000154938	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010268543			ENSG0000010268543	1.51353	-2.66977	4.472259	-0.59696
ENSG000001100507629	LINC00658	long interg	ENSG000001100507629	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010236559			ENSG0000010236559	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010281530			ENSG0000010281530	1.51353	-2.66977	4.472259	-0.59696
ENSG0000010278960			ENSG0000010278960	1.51353	-2.66977	4.472259	-0.59696
ENSG00000110628	TXNIP	thioredoxin	ENSG00000110628	2046.475	-0.31299	0.524309	-0.59695

ENSG00000123129	PLXND1	plexin D1	ENSG00000191.40923	-0.43518	0.729121	-0.59685
ENSG00000155973	BCAP29	B cell receptor	ENSG000001109.1562	0.408884	0.685129	0.596798
ENSG00000155156	ARMC1	armadillo repeat	ENSG00000138.1817	0.567144	0.950439	0.596718
ENSG00000123593	HEBP2	heme binding	ENSG00000173.54074	0.453126	0.759385	0.596701
ENSG00000129117	BRD7	bromodomain	ENSG00000156.63989	0.493199	0.826612	0.596651
ENSG0000012560	GABRB1	gamma-aminobutyric acid receptor B1	ENSG0000012.986258	1.884829	3.159934	0.596477
ENSG0000013248	HPGD	15-hydroxyprostaglandin synthase	ENSG0000012.986258	1.884829	3.159934	0.596477
ENSG000001283392	TRHDE-AS1	TRHDE antisense 1	ENSG0000012.986258	1.884829	3.159934	0.596477
ENSG00000179856	SNX22	sorting nexin	ENSG0000012.986258	1.884829	3.159934	0.596477
ENSG00000164793	CEP85	centrosomal protein	ENSG000001111.8706	-0.45333	0.760455	-0.59613
ENSG000001440026	TMEM41B	transmembrane protein	ENSG00000129.76318	-0.65871	1.105217	-0.596
ENSG000001339287	MSL1	male specific L1	ENSG00000171.49061	0.466563	0.782881	0.595957
ENSG00000110161	LPAR6	lysophosphatidic acid receptor 6	ENSG00000127.22027	-0.67596	1.135022	-0.59555
ENSG0000015899	RALB	RAS like protein	ENSG00000156.66251	0.491591	0.825452	0.595541
ENSG00000183732	RIOK1	RIO kinase	ENSG00000118.45152	0.757966	1.273013	0.595411
ENSG000001339487	ZBTB80S	zinc finger protein	ENSG00000116.84893	0.786932	1.32252	0.595025
ENSG00000164901	RANBP17	RAN binding protein	ENSG0000017.408883	-1.22882	2.065364	-0.59496
ENSG0000014598	MVK	mevalonate kinase	ENSG0000017.408883	-1.22882	2.065364	-0.59496
ENSG0000016002	RGS12	regulator of G-protein signaling	ENSG00000115.19847	-0.87521	1.471196	-0.59489
ENSG0000018705	B3GALT4	beta-1,3-galactosyltransferase 4	ENSG0000014.566225	1.410957	2.372233	0.59478
ENSG00000184902	CEP89	centrosomal protein	ENSG00000121.63408	0.717787	1.206933	0.59472
ENSG0000016422	SFRP1	secreted frizzled receptor	ENSG00000133.48769	-0.7261	1.220977	-0.59469
ENSG00000165056	GPBP1	GC-rich protein	ENSG00000199.10951	0.414963	0.697826	0.594651
ENSG0000014712	NDUFB6	NADH:ubiquinone dehydrogenase	ENSG00000138.05222	0.578507	0.973618	0.594183
ENSG00000179175	ZNF343	zinc finger protein	ENSG00000110.0096	-1.04978	1.766893	-0.59414
ENSG00000163931	MRPS14	mitochondrial ribosomal protein	ENSG00000112.56506	-0.94024	1.583291	-0.59385
ENSG00000123109	DDN	dendrin	ENSG0000013.025231	1.882768	3.170959	0.593754
ENSG000001145781	GCOM1	GRINL1A coreceptor	ENSG00000127.11342	-0.66694	1.123731	-0.5935
ENSG000001284565	NBPF15	NBPF membrane protein	ENSG00000112.7046	-0.9543	1.608388	-0.59333
ENSG0000011105	CHD1	chromodomain	ENSG00000173.08875	-0.45936	0.774205	-0.59333
ENSG000001389541	LAMTOR4	late endosome	ENSG00000126.47076	0.658941	1.110586	0.593327
ENSG0000017108	TM7SF2	transmembrane protein	ENSG00000138.79205	-0.57549	0.969999	-0.59329
ENSG0000015585	PKN1	protein kinase	ENSG00000180.00342	-0.44878	0.756506	-0.59323
ENSG00000111218	DDX20	DEAD-box protein	ENSG00000115.05893	-0.86332	1.455633	-0.59309
ENSG0000019026	HIP1R	huntingtin	ENSG00000115.05893	-0.86332	1.455633	-0.59309
ENSG00000194120	SYTL3	synaptotagmin	ENSG00000113.62112	0.873854	1.473648	0.592987
ENSG0000016881	TAF10	TATA-box binding protein	ENSG00000128.19655	0.636852	1.073984	0.59298
ENSG00000122897	CEP164	centrosomal protein	ENSG00000119.54499	0.791011	1.334425	0.592773
ENSG0000010231992			ENSG0000011.659351	-2.80416	4.730642	-0.59276
ENSG0000010224895			ENSG0000011.659351	-2.80416	4.730642	-0.59276
ENSG0000010226541			ENSG0000011.659351	-2.80416	4.730642	-0.59276
ENSG000001414224	AGAP12P	ArfGAP with	ENSG0000011.659351	-2.80416	4.730642	-0.59276
ENSG0000010231132			ENSG0000011.659351	-2.80416	4.730642	-0.59276
ENSG0000016288	SAA1	serum amyloid A	ENSG0000011.659351	-2.80416	4.730642	-0.59276
ENSG0000010211966			ENSG0000011.659351	-2.80416	4.730642	-0.59276
ENSG0000010266385			ENSG0000011.659351	-2.80416	4.730642	-0.59276
ENSG000001388550	CEACAM22	carcinoembryonic antigen	ENSG0000011.659351	-2.80416	4.730642	-0.59276

ENSG00000101752	ENSG00000268568			ENSG00000101752	1.659351	-2.80416	4.730642	-0.59276
ENSG00000101752	ENSG000001837	CASP4	caspase 4	ENSG00000101752	38.805	0.618297	1.043172	0.592709
ENSG00000101752	ENSG00000146722	CD300LF	CD300 mol	ENSG00000101752	4.258236	1.625731	2.742992	0.592685
ENSG00000101752	ENSG000001101752	CAPN10-D	CAPN10 di	ENSG00000101752	4.522805	-1.57212	2.652783	-0.59263
ENSG00000101752	ENSG000001245812	CNPY4	canopy FGI	ENSG00000101752	4.522805	-1.57212	2.652783	-0.59263
ENSG00000101752	ENSG00000129083	GTPBP8	GTP bindin	ENSG00000101752	18.47415	0.751792	1.268604	0.592614
ENSG00000101752	ENSG00000154946	SLC41A3	solute carr	ENSG00000101752	27.12977	-0.66586	1.123865	-0.59248
ENSG00000101752	ENSG00000164236	PDLIM2	PDZ and LI	ENSG00000101752	7.502394	1.117536	1.886263	0.59246
ENSG00000101752	ENSG000001374395	TMEM179I	transmeml	ENSG00000101752	7.502394	1.117536	1.886263	0.59246
ENSG00000101752	ENSG000001400073	C12orf76	chromosor	ENSG00000101752	7.502394	1.117536	1.886263	0.59246
ENSG00000101752	ENSG0000017003	TEAD1	TEA domai	ENSG00000101752	222.1187	-0.35598	0.60101	-0.5923
ENSG00000101752	ENSG00000155106	SLFN12	schlafen fa	ENSG00000101752	10.03222	-1.05641	1.784534	-0.59198
ENSG00000101752	ENSG0000017772	ZNF229	zinc finger	ENSG00000101752	16.87156	0.780036	1.318558	0.591583
ENSG00000101752	ENSG00000154455	FBXO42	F-box prote	ENSG00000101752	57.23572	-0.50234	0.849216	-0.59153
ENSG00000101752	ENSG0000011523	CUX1	cut like hor	ENSG00000101752	223.4485	-0.34761	0.587721	-0.59145
ENSG00000101752	ENSG0000013270	HRC	histidine ri	ENSG00000101752	1120.247	0.328861	0.556343	0.591112
ENSG00000101752	ENSG000001165324	UBXN2A	UBX domai	ENSG00000101752	43.40391	-0.55001	0.930566	-0.59105
ENSG00000101752	ENSG000001550	AUP1	AUP1, lipid	ENSG00000101752	34.11858	-0.60495	1.023667	-0.59097
ENSG00000101752	ENSG00000157801	HES4	hes family	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000224238			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000250249			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG000001285456	RPL34-AS1	RPL34 anti	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000249002			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000248206			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG000001101929	LINC02150	long interg	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG000001100852	EGFLAM-A	EGFLAM ar	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000224431			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000225364			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000260645			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG000001135295	SRSF12	serine and	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG000001389432	SAMD5	sterile alph	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000230358			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG0000015382	PMS2P4	PMS1 hom	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG000001100463	MTRNR2L6	MT-RNR2 l	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000254165			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000254225			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000280035			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000227914			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000235619			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG0000013698	ITIH2	inter-alpha	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000233343			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000252036			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000228485			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000254988			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG000001101929	LOC101925	uncharacte	ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000274598			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095
ENSG00000101752	ENSG00000279700			ENSG00000101752	1.490905	-2.63587	4.460363	-0.59095

ENSG00000187769	GGACT	gamma-gl	ENSG00000187769	1.490905	-2.63587	4.460363	-0.59095
ENSG00000110087	ATP11A-AS1	ATP11A an	ENSG00000110087	1.490905	-2.63587	4.460363	-0.59095
ENSG00000102799			ENSG00000102799	1.490905	-2.63587	4.460363	-0.59095
ENSG0000017755	ZNF205	zinc finger	ENSG0000017755	1.490905	-2.63587	4.460363	-0.59095
ENSG00000102802			ENSG00000102802	1.490905	-2.63587	4.460363	-0.59095
ENSG00000102640			ENSG00000102640	1.490905	-2.63587	4.460363	-0.59095
ENSG00000102637			ENSG00000102637	1.490905	-2.63587	4.460363	-0.59095
ENSG00000102678			ENSG00000102678	1.490905	-2.63587	4.460363	-0.59095
ENSG00000166470	ZNF826P	zinc finger	ENSG00000166470	1.490905	-2.63587	4.460363	-0.59095
ENSG00000110013	LOC100131	uncharacter	ENSG00000110013	1.490905	-2.63587	4.460363	-0.59095
ENSG00000102644			ENSG00000102644	1.490905	-2.63587	4.460363	-0.59095
ENSG00000179631	EFL1	elongation	ENSG00000179631	31.48596	0.610205	1.032893	0.590773
ENSG00000164940	STAG3L4	stromal an	ENSG00000164940	10.08754	-1.05682	1.788913	-0.59076
ENSG00000181571	MIR600HG	MIR600 ho	ENSG00000181571	9.986972	-1.04298	1.765649	-0.59071
ENSG00000164300	SMIM5	small integ	ENSG00000164300	9.986972	-1.04298	1.765649	-0.59071
ENSG0000013597	IL13RA1	interleukin	ENSG0000013597	92.41377	0.419306	0.70996	0.590604
ENSG0000019344	TAOK2	TAO kinase	ENSG0000019344	47.96046	-0.52914	0.896001	-0.59056
ENSG0000011352	COX10	cytochrom	ENSG0000011352	47.16243	-0.59612	1.009793	-0.59034
ENSG00000123464	GCAT	glycine C-a	ENSG00000123464	12.54244	-0.93476	1.584117	-0.59009
ENSG0000014355	MPP2	membrane	ENSG0000014355	17.4912	-0.80358	1.361827	-0.59008
ENSG0000019104	RGN	regucalcin	ENSG0000019104	13.5369	0.89375	1.514763	0.590026
ENSG0000019829	DNAJC6	DnaJ heat s	ENSG0000019829	12.64301	-0.946	1.603601	-0.58993
ENSG0000012074	ERCC6	ERCC excis	ENSG0000012074	47.97681	-0.52867	0.896207	-0.5899
ENSG0000018828	NRP2	neuropilin	ENSG0000018828	24.97907	-0.71465	1.211985	-0.58965
ENSG00000151477	ISYNA1	inositol-3-p	ENSG00000151477	7.415161	-1.24171	2.106472	-0.58947
ENSG00000164145	RBSN	rabenosyn,	ENSG00000164145	66.9393	0.46162	0.783206	0.589397
ENSG0000019857	CEP350	centrosom	ENSG0000019857	230.3229	-0.34825	0.590995	-0.58925
ENSG00000155819	RNF130	ring finger	ENSG00000155819	60.06884	0.482879	0.819565	0.58919
ENSG00000154206	ERRFI1	ERBB recep	ENSG00000154206	24.81062	-0.70073	1.189611	-0.58904
ENSG00000183871	RAB34	RAB34, me	ENSG00000183871	18.37358	0.761853	1.293536	0.58897
ENSG00000144014	MZT1	mitotic spi	ENSG00000144014	7.347285	-1.21518	2.063611	-0.58886
ENSG00000129085	PHPT1	phosphohi	ENSG00000129085	45.0069	0.526983	0.895018	0.588795
ENSG000001329	BIRC2	baculoviral	ENSG000001329	70.3519	0.453788	0.770991	0.588577
ENSG0000018660	IRS2	insulin rec	ENSG0000018660	47.8714	0.534931	0.908924	0.588532
ENSG00000184920	ALG10	ALG10, alp	ENSG00000184920	9.043388	1.018452	1.730587	0.588501
ENSG00000110668	CGRRF1	cell growth	ENSG00000110668	9.043388	1.018452	1.730587	0.588501
ENSG00000110846	PDE10A	phosphodi	ENSG00000110846	35.29901	-0.66338	1.127603	-0.58831
ENSG0000019931	HELZ	helicase wi	ENSG0000019931	167.259	-0.36507	0.620584	-0.58827
ENSG00000123760	PITPNB	phosphatic	ENSG00000123760	66.84788	-0.4936	0.839113	-0.58824
ENSG00000110671	DCTN6	dynactin s	ENSG00000110671	18.51312	0.749915	1.274976	0.58818
ENSG0000019644	SH3PXD2A	SH3 and P>	ENSG0000019644	169.7341	-0.36605	0.6225	-0.58804
ENSG00000189891	WDR34	WD repeat	ENSG00000189891	10.58438	0.94849	1.613156	0.587972
ENSG0000016623	SNCG	synuclein g	ENSG0000016623	7.308313	-1.21063	2.059298	-0.58788
ENSG00000110536	LOC105365	uncharacter	ENSG00000110536	7.308313	-1.21063	2.059298	-0.58788
ENSG00000153407	STX18	syntaxin 18	ENSG00000153407	15.10418	-0.87221	1.48417	-0.58768
ENSG0000018446	DUSP11	dual specif	ENSG0000018446	15.30794	0.812036	1.381814	0.587659
ENSG0000011660	DHX9	DExH-box f	ENSG0000011660	109.1854	-0.40873	0.695524	-0.58765

ENSG00000113791	PIK3IP1	phosphoin	ENSG00000143203	43.20317	0.538548	0.916855	0.587386
ENSG0000018260	NAA10	N(alpha)-a	ENSG00000144833	4.483832	-1.56506	2.664524	-0.58737
ENSG00000154482	TRMT13	tRNA meth	ENSG00000116709	16.70939	0.800157	1.362382	0.587322
ENSG000001148268	ZNF570	zinc finger	ENSG00000118535	18.53575	0.743804	1.266654	0.58722
ENSG00000110253	SPRY2	sprouty RT	ENSG00000141084	41.08477	-0.56369	0.959975	-0.5872
ENSG0000016366	CCL21	C-C motif c	ENSG00000111020	11.02067	-2.99758	5.109045	-0.58672
ENSG0000019455	HOMER2	homer scaf	ENSG00000153389	53.38945	0.499253	0.851325	0.586442
ENSG0000015511	PPP1R8	protein ph	ENSG00000122271	22.27151	-0.71729	1.223396	-0.58631
ENSG000001401237	CASC15	cancer sus	ENSG00000160456	6.045622	1.215036	2.072423	0.586287
ENSG0000012796	GNRH1	gonadotro	ENSG00000160456	6.045622	1.215036	2.072423	0.586287
ENSG0000011875	E2F5	E2F transcr	ENSG00000160456	6.045622	1.215036	2.072423	0.586287
ENSG00000181544	GDPD5	glycerophc	ENSG00000160456	6.045622	1.215036	2.072423	0.586287
ENSG00000179736	TEFM	transcripti	ENSG00000160456	6.045622	1.215036	2.072423	0.586287
ENSG0000018459	TPST2	tyrosylprot	ENSG00000130022	30.02291	0.611107	1.042611	0.586131
ENSG0000011384	CRAT	carnitine O	ENSG00000155137	55.13786	-0.51239	0.874297	-0.58606
ENSG00000155552	ZNF823	zinc finger	ENSG00000174634	7.463421	1.120392	1.912501	0.585826
ENSG000001154807	VKORC1L1	vitamin K e	ENSG00000150067	50.06735	0.505401	0.862732	0.585814
ENSG0000015094	PCBP2	poly(rC) bi	ENSG00000163819	63.81977	-0.47427	0.809588	-0.58581
ENSG00000129803	REPIN1	replication	ENSG00000136398	36.39875	-0.58453	0.997952	-0.58573
ENSG0000012066	ERBB4	erb-b2 rec	ENSG00000139194	39.19433	-0.5917	1.010575	-0.58551
ENSG00000123412	COMMD3	COMM dor	ENSG00000158771	5.877176	1.32338	2.260274	0.585495
ENSG00000110146	G3BP1	G3BP stres	ENSG00000122506	225.0637	-0.34181	0.584179	-0.58512
ENSG0000019221	NOLC1	nucleolar a	ENSG00000154910	54.9103	-0.50871	0.869548	-0.58502
ENSG000001142678	MIB2	mindbomb	ENSG00000114974	14.9747	-0.8517	1.456546	-0.58474
ENSG00000126020	LRP10	LDL recept	ENSG00000112315	123.1561	0.388052	0.663752	0.584634
ENSG0000019748	SLK	STE20 like	ENSG00000117703	177.0347	-0.36924	0.631827	-0.5844
ENSG00000126064	RAI14	retinoic aci	ENSG00000117445	17.44595	-0.79566	1.361803	-0.58427
ENSG00000129062	WDR91	WD repeat	ENSG00000112480	12.48084	-0.92644	1.585669	-0.58426
ENSG00000151747	LUC7L3	LUC7 like 3	ENSG00000170685	70.68539	-0.46142	0.789789	-0.58423
ENSG0000017412	VCAM1	vascular ce	ENSG00000123265	23.26558	0.687285	1.176412	0.584221
ENSG0000014758	NEU1	neuraminic	ENSG00000123265	23.26558	0.687285	1.176412	0.584221
ENSG000001163087	ZNF383	zinc finger	ENSG00000119839	19.83924	-0.75047	1.284691	-0.58416
ENSG00000180745	THUMP2	THUMP do	ENSG00000199253	9.925374	-1.03268	1.768536	-0.58392
ENSG000001339175	METTL2A	methyltrar	ENSG00000199253	9.925374	-1.03268	1.768536	-0.58392
ENSG00000127351	DESI1	desumoyla	ENSG00000166262	66.26211	-0.47223	0.808785	-0.58388
ENSG000001221749	PXDC1	PX domain	ENSG00000117429	17.4296	-0.79749	1.366124	-0.58376
ENSG0000018353	HIST1H3E	histone clu	ENSG00000112080	12.08013	0.916742	1.570599	0.583689
ENSG00000190407	TMEM41A	transmembr	ENSG00000115013	15.01368	-0.85414	1.463434	-0.58366
ENSG000001256471	MFS2D8	major facil	ENSG00000115168	15.16839	0.826449	1.416783	0.583328
ENSG000001101926918	GTF2IP12	general tra	ENSG00000144612	4.461207	-1.55065	2.658319	-0.58332
ENSG000001401190	RGS7BP	regulator c	ENSG00000144612	4.461207	-1.55065	2.658319	-0.58332
ENSG00000123523	CABIN1	calcineurin	ENSG00000163758	63.75817	-0.47247	0.810073	-0.58325
ENSG00000127	ABL2	ABL proto-	ENSG00000161708	61.70805	-0.48681	0.834765	-0.58317
ENSG00000180167	ABHD18	abhydrolas	ENSG00000149311	49.31183	0.539305	0.92506	0.582995
ENSG00000179018	GID4	GID compl	ENSG00000124596	24.59693	-0.6809	1.168037	-0.58294
ENSG000001719	C3AR1	compleme	ENSG00000122285	22.28564	2.644762	4.53798	0.582806
ENSG00000156122	PCDH14	protocadhe	ENSG00000172856	7.285687	-1.20144	2.064065	-0.58207

ENSG00000126033	ATRN1L	attractin like	ENSG00000126033	10.81325	-2.96846	5.099803	-0.58207
ENSG00000164770	CCDC14	coiled-coil	ENSG00000164770	22.22626	-0.71104	1.221668	-0.58203
ENSG00000153838	C11orf24	chromosome	ENSG00000153838	12.51981	-0.92932	1.596808	-0.58199
ENSG0000015064	PALM	paralemmi	ENSG0000015064	12.51981	-0.92932	1.596808	-0.58199
ENSG00000155783	CMTR2	cap methyl	ENSG00000155783	21.82516	0.689213	1.184523	0.581849
ENSG00000110152	ABI2	abl interac	ENSG00000110152	88.55585	-0.42438	0.7296	-0.58166
ENSG00000111014	KDELRL2	KDEL endo	ENSG00000111014	61.4491	-0.4767	0.819649	-0.58159
ENSG0000019258	MFHAS1	malignant	ENSG0000019258	38.58463	-0.56507	0.971634	-0.58157
ENSG00000129970	SCHIP1	schwannor	ENSG00000129970	25.05297	0.654689	1.125768	0.581549
ENSG0000013778	KCNMA1	potassium	ENSG0000013778	9.843378	2.400299	4.128881	0.581344
ENSG00000151526	OSER1	oxidative s	ENSG00000151526	28.39769	0.623767	1.073196	0.581224
ENSG00000151805	COQ3	coenzyme	ENSG00000151805	16.89418	0.773265	1.330522	0.581175
ENSG000001233559			ENSG000001233559	16.89418	0.773265	1.330522	0.581175
ENSG0000015713	PSMD7	proteasom	ENSG0000015713	45.1301	0.520697	0.895984	0.581145
ENSG00000164118	DUS1L	dihydrouri	ENSG00000164118	17.45222	-0.80135	1.379344	-0.58097
ENSG000001284371	ZNF841	zinc finger	ENSG000001284371	17.45222	-0.80135	1.379344	-0.58097
ENSG000001498	ATP5F1A	ATP syntha	ENSG000001498	1359.198	0.302919	0.52173	0.580605
ENSG00000151479	ANKFY1	ankyrin re	ENSG00000151479	90.95542	-0.42555	0.733217	-0.58038
ENSG0000014174	MCM5	minichrom	ENSG0000014174	13.78957	0.834065	1.437428	0.580248
ENSG00000123492	CBX7	chromobo	ENSG00000123492	70.73064	-0.46322	0.798519	-0.5801
ENSG00000110084	PQBP1	polyglutar	ENSG00000110084	18.55837	0.737721	1.271796	0.580063
ENSG00000163925	ZNF335	zinc finger	ENSG00000163925	19.88449	-0.75729	1.3056	-0.58004
ENSG00000156034	PDGFC	platelet de	ENSG00000156034	23.38878	0.674713	1.163284	0.580007
ENSG00000163894	VIPAS39	VPS33B int	ENSG00000163894	16.99475	0.76248	1.314703	0.579964
ENSG00000183706	FERMT3	fermitin fa	ENSG00000183706	18.20736	2.577079	4.44598	0.579642
ENSG000001653784	MZT2A	mitotic spi	ENSG000001653784	15.39216	0.794585	1.371185	0.579488
ENSG0000019677	PPIP5K1	diphospho	ENSG0000019677	15.39216	0.794585	1.371185	0.579488
ENSG00000110743	RAI1	retinoic aci	ENSG00000110743	24.5743	-0.67807	1.170757	-0.57917
ENSG00000154491	OTULINL	OTU deubi	ENSG00000154491	8.88122	1.057676	1.826298	0.579137
ENSG00000110847	SRCAP	Snf2 relate	ENSG00000110847	9.004415	1.021316	1.76364	0.579095
ENSG000001131870	NUDT16	nudix hydr	ENSG000001131870	126.9773	0.378548	0.653881	0.578925
ENSG00000180144	FRAS1	Fraser extr	ENSG00000180144	19.77764	-0.74504	1.287755	-0.57856
ENSG0000016510	SLC1A5	solute carr	ENSG0000016510	12.54871	-0.94246	1.630304	-0.57809
ENSG00000111043	MID2	midline 2	ENSG00000111043	12.54871	-0.94246	1.630304	-0.57809
ENSG0000011315	COPB1	coatomer p	ENSG0000011315	79.11032	0.430398	0.744788	0.57788
ENSG00000155120	FANCL	FA comple	ENSG00000155120	16.95578	0.764465	1.32318	0.577748
ENSG000001255104	TMCO4	transmeml	ENSG000001255104	12.0864	0.899077	1.556212	0.577734
ENSG00000110371	SEMA3A	semaphori	ENSG00000110371	10.42221	0.981658	1.699823	0.577506
ENSG00000129093	MRPL22	mitochond	ENSG00000129093	12.45821	-0.92093	1.594929	-0.57741
ENSG000001125170	MIEF2	mitochond	ENSG000001125170	12.45821	-0.92093	1.594929	-0.57741
ENSG00000110127	ZNF263	zinc finger	ENSG00000110127	17.368	-0.79136	1.37111	-0.57716
ENSG0000017594	ZNF43	zinc finger	ENSG0000017594	17.368	-0.79136	1.37111	-0.57716
ENSG00000111276	SYNRG	synergini g	ENSG00000111276	68.24056	-0.45908	0.795438	-0.57714
ENSG00000184193	SETD3	SET domai	ENSG00000184193	128.8036	0.375683	0.651049	0.577043
ENSG000001133308	SLC9B2	solute carr	ENSG000001133308	9.886402	-1.02917	1.78378	-0.57696
ENSG00000111073	TOPBP1	DNA topoi	ENSG00000111073	29.27039	-0.62875	1.089859	-0.57691
ENSG00000181631	MAP1LC3B	microtubul	ENSG00000181631	111.2393	-0.40094	0.695034	-0.57686



ENSG00000184298	LLPH	LLP homol	ENSG000001902749	-1.02581	1.778903	-0.57665
ENSG0000019825	SPATA2	spermatog	ENSG000001902749	-1.02581	1.778903	-0.57665
ENSG00000154919	DNAAF5	dynein axo	ENSG000001505265	-0.85676	1.48602	-0.57655
ENSG00000160681	FKBP10	FK506 bind	ENSG000001246449	-0.92895	1.612665	-0.57603
ENSG00000111216	AKAP10	A-kinase ar	ENSG000001382106	0.560779	0.973749	0.575897
ENSG0000017227	TRPS1	transcripti	ENSG0000014809621	-0.53727	0.933944	-0.57527
ENSG0000015875	RABGGTA	Rab gerany	ENSG000001137506	0.836356	1.454183	0.575138
ENSG0000014359	MPZ	myelin pro	ENSG0000017353563	-1.22797	2.135204	-0.57511
ENSG00000151206	GP6	glycoprote	ENSG000001610722	1.187501	2.065404	0.574948
ENSG00000156925	LXN	latexin	ENSG0000017586617	1.077177	1.873906	0.57483
ENSG000001126017	ZNF813	zinc finger	ENSG0000017586617	1.077177	1.873906	0.57483
ENSG0000017337	UBE3A	ubiquitin p	ENSG0000011665824	0.355476	0.618536	0.574705
ENSG000001379025	PSMA3-AS	PSMA3 ant	ENSG0000014341059	0.526553	0.916269	0.574671
ENSG00000192104	TTC30A	tetratricop	ENSG0000017224089	-1.18759	2.066684	-0.57464
ENSG0000017186	TRAF2	TNF recept	ENSG0000017224089	-1.18759	2.066684	-0.57464
ENSG000001128826	MIR1-1HG	MIR1-1 ho	ENSG0000017224089	-1.18759	2.066684	-0.57464
ENSG0000015428	POLG	DNA polyn	ENSG0000014535975	-0.52492	0.91387	-0.57439
ENSG0000019404	LPXN	leupaxin	ENSG0000011060701	0.936471	1.630813	0.574236
ENSG00000123648	SSBP3	single strar	ENSG0000014305695	-0.53601	0.933491	-0.5742
ENSG0000012037	EPB41L2	erythrocyt	ENSG0000011308381	-0.37639	0.655976	-0.57379
ENSG00000179639	TMEM53	transmembr	ENSG0000014561777	-1.58022	2.754455	-0.5737
ENSG00000111005	SPINK5	serine pep	ENSG0000014561777	-1.58022	2.754455	-0.5737
ENSG0000010251034			ENSG0000014422234	-1.54341	2.690413	-0.57367
ENSG000001286319	TUSC1	tumor sup	ENSG0000014422234	-1.54341	2.690413	-0.57367
ENSG000001493861	EID3	EP300 inte	ENSG0000014422234	-1.54341	2.690413	-0.57367
ENSG00000163916	ELMO2	engulfmen	ENSG0000014311227	-0.53647	0.935162	-0.57367
ENSG00000191445	RNF185	ring finger	ENSG0000012210306	-0.70127	1.222572	-0.5736
ENSG000001324	APC	APC, WNT	ENSG0000011424641	0.369008	0.643475	0.573462
ENSG0000015723	PSPH	phosphose	ENSG000001732466	-1.20635	2.104586	-0.5732
ENSG0000016327	SCN2B	sodium vol	ENSG0000012204748	0.845478	1.475031	0.573194
ENSG000001100293516	ZNF587B	zinc finger	ENSG0000011973239	-0.738	1.287551	-0.57318
ENSG0000018976	WASL	Wiskott-Ali	ENSG0000015897786	-0.47659	0.831541	-0.57314
ENSG00000123333	DPY19L1	dpy-19 like	ENSG0000016217049	0.461767	0.805741	0.573096
ENSG00000110413	YAP1	Yes associa	ENSG0000011064427	-0.40002	0.69803	-0.57307
ENSG000001151877	MAGI1-IT1	MAGI1 intr	ENSG0000014399609	-1.52888	2.668165	-0.57301
ENSG00000184948	TIGD5	tigger tran	ENSG0000014399609	-1.52888	2.668165	-0.57301
ENSG00000179104	MEG8	maternally	ENSG0000014399609	-1.52888	2.668165	-0.57301
ENSG00000179968	WDR76	WD repeat	ENSG0000014399609	-1.52888	2.668165	-0.57301
ENSG00000110622	POLR3G	RNA polym	ENSG000001323265	1.621184	2.829986	0.57286
ENSG000001220965	FAM13C	family with	ENSG0000011487413	-0.84217	1.470708	-0.57263
ENSG00000157661	PHRF1	PHD and ri	ENSG0000013611339	-0.57107	0.997507	-0.5725
ENSG00000184069	PLEKHN1	pleckstrin	ENSG0000011614101	-2.74655	4.797566	-0.57249
ENSG0000010225632			ENSG0000011614101	-2.74655	4.797566	-0.57249
ENSG0000010188004			ENSG0000011614101	-2.74655	4.797566	-0.57249
ENSG0000010207044			ENSG0000011614101	-2.74655	4.797566	-0.57249
ENSG0000010256657			ENSG0000011614101	-2.74655	4.797566	-0.57249
ENSG00000123426	GRIP1	glutamate	ENSG0000011614101	-2.74655	4.797566	-0.57249

ENSG0000I	ENSG00000259969			ENSG0000I	1.614101	-2.74655	4.797566	-0.57249
ENSG0000I	ENSG00000224578			ENSG0000I	1.614101	-2.74655	4.797566	-0.57249
ENSG0000I	ENSG0000I(642938	INSYN2	inhibitory s	ENSG0000I	4.627823	1.371518	2.395928	0.572437
ENSG0000I	ENSG0000I(10569	SLU7	SLU7 homc	ENSG0000I	69.04095	0.443235	0.774477	0.572302
ENSG0000I	ENSG0000I(2329	FMO4	flavin cont	ENSG0000I	4.500179	-1.55834	2.724641	-0.57194
ENSG0000I	ENSG0000I(79864	JHY	junctional r	ENSG0000I	4.500179	-1.55834	2.724641	-0.57194
ENSG0000I	ENSG0000I(1656	DDX6	DEAD-box	ENSG0000I	300.3114	-0.32244	0.5638	-0.57191
ENSG0000I	ENSG0000I(7884	SLBP	stem-loop	ENSG0000I	12.2096	0.873722	1.52779	0.571886
ENSG0000I	ENSG0000I(28974	C19orf53	chromosor	ENSG0000I	30.19136	0.594786	1.040079	0.571866
ENSG0000I	ENSG0000I(51663	ZFR	zinc finger	ENSG0000I	156.5193	0.355947	0.622637	0.571676
ENSG0000I	ENSG0000I(10106020C	ZNF891	zinc finger	ENSG0000I	12.38027	-0.91517	1.601476	-0.57145
ENSG0000I	ENSG0000I(339263	C17orf51	chromosor	ENSG0000I	12.35764	-0.90964	1.591807	-0.57145
ENSG0000I	ENSG0000I(201292	TRIM65	tripartite n	ENSG0000I	12.35764	-0.90964	1.591807	-0.57145
ENSG0000I	ENSG0000I(25829	TMEM184I	transmeml	ENSG0000I	33.94386	-0.59162	1.035726	-0.57122
ENSG0000I	ENSG0000I(6347	CCL2	C-C motif c	ENSG0000I	20.30561	-0.79939	1.399966	-0.57101
ENSG0000I	ENSG0000I(122553	TRAPPC6B	trafficking	ENSG0000I	41.94754	0.523871	0.917463	0.571
ENSG0000I	ENSG0000I(253039	CUTALP	cutA divale	ENSG0000I	4.650448	1.335893	2.340696	0.570725
ENSG0000I	ENSG0000I(84957	RELT	RELT, TNF r	ENSG0000I	4.650448	1.335893	2.340696	0.570725
ENSG0000I	ENSG0000I(85415	RHPN2	rhophilin R	ENSG0000I	4.650448	1.335893	2.340696	0.570725
ENSG0000I	ENSG00000223509			ENSG0000I	9.127611	0.986352	1.728986	0.57048
ENSG0000I	ENSG0000I(55168	MRPS18A	mitochond	ENSG0000I	15.43113	0.792362	1.390572	0.56981
ENSG0000I	ENSG0000I(23158	TBC1D9	TBC1 domæ	ENSG0000I	54.62245	-0.49451	0.867903	-0.56978
ENSG0000I	ENSG0000I(5514	PPP1R10	protein ph	ENSG0000I	57.16158	0.469523	0.824066	0.569763
ENSG0000I	ENSG0000I(24149	ZNF318	zinc finger	ENSG0000I	45.30443	-0.52444	0.920577	-0.56969
ENSG0000I	ENSG0000I(143884	CWF19L2	CWF19 like	ENSG0000I	26.76018	-0.64149	1.126897	-0.56926
ENSG0000I	ENSG0000I(2014	EMP3	epithelial r	ENSG0000I	17.07898	0.747063	1.312877	0.569027
ENSG0000I	ENSG0000I(64400	AKTIP	AKT intera	ENSG0000I	55.30004	0.484887	0.852244	0.568953
ENSG0000I	ENSG0000I(548644	POLR2J3	RNA polym	ENSG0000I	9.802179	-1.01187	1.778574	-0.56892
ENSG0000I	ENSG0000I(1051	CEBPB	CCAAT enh	ENSG0000I	20.24519	0.702539	1.234932	0.568889
ENSG0000I	ENSG0000I(23358	USP24	ubiquitin s	ENSG0000I	217.3746	-0.33439	0.58784	-0.56885
ENSG0000I	ENSG0000I(26000	TBC1D10B	TBC1 domæ	ENSG0000I	25.13719	0.6448	1.13376	0.568727
ENSG0000I	ENSG0000I(284119	CAVIN1	caveolae a	ENSG0000I	329.9321	-0.32252	0.567226	-0.5686
ENSG0000I	ENSG0000I(8943	AP3D1	adaptor rel	ENSG0000I	107.4609	-0.41768	0.734742	-0.56847
ENSG0000I	ENSG0000I(311	ANXA11	annexin A1	ENSG0000I	349.5736	0.311706	0.54834	0.568455
ENSG0000I	ENSG0000I(90488	TMEM263	transmeml	ENSG0000I	43.6507	0.516828	0.909474	0.568271
ENSG0000I	ENSG0000I(689	BTF3	basic trans	ENSG0000I	175.5444	0.345973	0.609101	0.568006
ENSG0000I	ENSG0000I(8396	PIP4K2B	phosphatic	ENSG0000I	95.35739	-0.41488	0.730805	-0.5677
ENSG0000I	ENSG00000272789			ENSG0000I	4.438582	-1.53633	2.707751	-0.56738
ENSG0000I	ENSG00000279608			ENSG0000I	4.438582	-1.53633	2.707751	-0.56738
ENSG0000I	ENSG0000I(4860	PNP	purine nuc	ENSG0000I	4.438582	-1.53633	2.707751	-0.56738
ENSG0000I	ENSG0000I(3835	KIF22	kinesin fan	ENSG0000I	4.438582	-1.53633	2.707751	-0.56738
ENSG0000I	ENSG0000I(117	ADCYAP1R	ADCYAP re	ENSG0000I	12.2712	0.861272	1.518	0.567373
ENSG0000I	ENSG0000I(23510	KCTD2	potassium	ENSG0000I	66.05717	-0.4699	0.828233	-0.56735
ENSG0000I	ENSG0000I(136371	ASB10	ankyrin re	ENSG0000I	9.941722	-1.02963	1.814958	-0.5673
ENSG0000I	ENSG0000I(51107	APH1A	aph-1 hom	ENSG0000I	40.62468	-0.54061	0.953169	-0.56718
ENSG0000I	ENSG0000I(6506	SLC1A2	solute carr	ENSG0000I	12.33502	-0.90404	1.594178	-0.56709
ENSG0000I	ENSG0000I(466	ATF1	activating t	ENSG0000I	23.63517	0.650018	1.146878	0.566772

ENSG0000018725	URI1	URI1, pref	ENSG00000160.63578	0.457712	0.807653	0.566719
ENSG000001847	DUSP5	dual specif	ENSG00000113.87379	0.81452	1.437311	0.566697
ENSG00000268912			ENSG0000017.162492	-1.17362	2.071489	-0.56656
ENSG00000151635	DHRS7	dehydroge	ENSG00000121.97098	0.670986	1.184497	0.566474
ENSG00000154739	XAF1	XIAP assoc	ENSG00000121.97098	0.670986	1.184497	0.566474
ENSG00000154436	SH3TC1	SH3 domai	ENSG0000017.648215	1.056102	1.864563	0.566407
ENSG0000018818	DPM2	dolichyl-ph	ENSG0000017.648215	1.056102	1.864563	0.566407
ENSG0000018453	CUL2	cullin 2	ENSG00000141.96389	0.525025	0.927308	0.566181
ENSG000001388969	C2orf68	chromosor	ENSG00000129.06925	-0.6184	1.092274	-0.56616
ENSG000001162	AP1B1	adaptor rel	ENSG00000147.52927	-0.51258	0.905396	-0.56614
ENSG000001754	PTTG1IP	PTTG1 inte	ENSG000001161.9267	0.350025	0.618372	0.566042
ENSG00000151015	ISOC1	isochorism	ENSG00000143.62808	0.518961	0.916892	0.566
ENSG000001283459	GATC	glutamyl-tf	ENSG00000117.32903	-0.78902	1.394756	-0.5657
ENSG0000017139	TNNT2	troponin T	ENSG0000014301.015	0.277568	0.490688	0.565671
ENSG00000271430			ENSG00000117.22218	-0.77505	1.370662	-0.56545
ENSG000001140685	ZBTB46	zinc finger	ENSG00000114.81254	-0.83503	1.477507	-0.56516
ENSG00000184665	MYPN	myopalladi	ENSG000001332.2982	-0.3504	0.620086	-0.56508
ENSG00000184317	CCDC115	coiled-coil	ENSG00000115.51536	0.775255	1.372109	0.56501
ENSG000001117584	RFFL	ring finger	ENSG00000115.51536	0.775255	1.372109	0.56501
ENSG00000260244			ENSG00000131.97874	0.574129	1.016216	0.564967
ENSG00000190865	IL33	interleukin	ENSG00000145.34968	-0.52735	0.933685	-0.56481
ENSG0000013096	HIVEP1	human imr	ENSG00000149.83835	-0.50542	0.895072	-0.56467
ENSG00000156890	MDM1	Mdm1 nuc	ENSG0000017.625589	1.074154	1.902405	0.56463
ENSG000001401612	SLC25A53	solute carr	ENSG00000110.7302	0.907485	1.60727	0.564613
ENSG00000126091	HERC4	HECT and F	ENSG00000177.39708	0.43073	0.763033	0.564497
ENSG00000193974	ATP5IF1	ATP syntha	ENSG00000155.36163	0.482313	0.854565	0.564396
ENSG00000123389	MED13L	mediator c	ENSG000001238.0067	-0.33553	0.594878	-0.56404
ENSG00000126471	NUPR1	nuclear prc	ENSG00000141.21464	0.562133	0.996688	0.564001
ENSG0000016330	SCN4B	sodium vol	ENSG00000115.15322	-0.8669	1.537334	-0.5639
ENSG00000110233	LRRC23	leucine ric	ENSG0000017.201464	-1.17834	2.090304	-0.56372
ENSG00000184915	FAM222A	family with	ENSG0000017.201464	-1.17834	2.090304	-0.56372
ENSG0000019403	SELENOF	selenoprot	ENSG00000142.07074	0.517151	0.917481	0.563664
ENSG00000156993	TOMM22	translocase	ENSG00000142.07074	0.517151	0.917481	0.563664
ENSG00000110892	MALT1	MALT1 par	ENSG00000145.15233	-0.51593	0.915331	-0.56366
ENSG00000164083	GOLPH3	golgi phos	ENSG00000156.63609	-0.482	0.855213	-0.5636
ENSG0000012070	EYA4	EYA transci	ENSG00000136.92423	-0.60839	1.079934	-0.56336
ENSG000001904	CCNT1	cyclin T1	ENSG00000156.52924	-0.47765	0.847969	-0.56329
ENSG000001127253	TYW3	tRNA- $\gamma$ W s	ENSG00000126.67596	-0.63478	1.127504	-0.56299
ENSG00000154887	UHRF1BP1	UHRF1 bin	ENSG000001105.9888	-0.39168	0.696589	-0.56228
ENSG00000129103	DNAJC15	DnaJ heat s	ENSG00000159.03318	0.457941	0.814962	0.561917
ENSG00000156672	AKIP1	A-kinase in	ENSG00000112.3328	0.84895	1.510827	0.561911
ENSG000001254048	UBN2	ubinnuclein	ENSG00000192.46124	-0.40506	0.720881	-0.56189
ENSG0000019696	CROCC	ciliary root	ENSG0000014.338011	-1.50678	2.682516	-0.56171
ENSG000001129831	RBM45	RNA bindir	ENSG0000014.338011	-1.50678	2.682516	-0.56171
ENSG000001199221	DZIP1L	DAZ intera	ENSG0000014.338011	-1.50678	2.682516	-0.56171
ENSG000001441194	PMS2CL	PMS2 C-te	ENSG0000014.338011	-1.50678	2.682516	-0.56171
ENSG00000151700	CYB5R2	cytochrom	ENSG0000014.338011	-1.50678	2.682516	-0.56171

ENSG00000179190	IRX6	iroquois hc	ENSG0000014338011	-1.50678	2.682516	-0.56171
ENSG00000260884			ENSG0000014338011	-1.50678	2.682516	-0.56171
ENSG00000114112	TXNRD3	thioredoxin	ENSG0000017207742	-1.19184	2.122158	-0.56162
ENSG0000015360	PLTP	phospholip	ENSG0000017052087	-0.52816	0.940444	-0.56161
ENSG0000017520	XRCC5	X-ray repair	ENSG0000012312159	0.32419	0.577341	0.561523
ENSG00000125973	PARS2	prolyl-tRNA	ENSG0000016168818	1.160349	2.066757	0.561435
ENSG0000016356	CCL11	C-C motif c	ENSG0000016168818	1.160349	2.066757	0.561435
ENSG00000184867	PTPN5	protein tyro	ENSG0000012127342	-0.89553	1.59532	-0.56135
ENSG0000017873	MANF	mesencephal	ENSG00000131393539	0.803747	1.431985	0.561282
ENSG000001493812	HCG11	HLA complex	ENSG00000131393539	0.803747	1.431985	0.561282
ENSG00000183464	APH1B	aph-1 homolog	ENSG0000011704	0.749199	1.335583	0.560953
ENSG0000015954	RCN1	reticulocalic	ENSG0000014545652	-0.53265	0.949678	-0.56087
ENSG00000179363	CPLANE2	ciliogenesis	ENSG0000014376984	-1.51414	2.699882	-0.56082
ENSG0000018703	B4GALT3	beta-1,4-gal	ENSG0000011878214	0.712191	1.269992	0.560784
ENSG000001376940	ZC3H6	zinc finger	ENSG0000019255802	-0.40863	0.728822	-0.56068
ENSG000001262	AMD1	adenosylmeth	ENSG0000011355245	0.372007	0.663606	0.560585
ENSG000001783	CACNB2	calcium volta	ENSG0000018815108	-0.41402	0.738712	-0.56046
ENSG000001965	CD58	CD58 molecule	ENSG0000012531571	0.634279	1.131733	0.560449
ENSG00000127245	AHDC1	AT-hook domain	ENSG0000013134942	-0.59355	1.059166	-0.56039
ENSG000001100302692	FTX	FTX transcr	ENSG0000011959285	-0.72863	1.300334	-0.56034
ENSG00000157707	MEAK7	MTOR assoc	ENSG0000011228755	0.868588	1.550351	0.560252
ENSG00000122902	RUFY3	RUN and F	ENSG0000015192745	-0.48771	0.870701	-0.56014
ENSG00000156674	TMEM9B	TMEM9 domain	ENSG0000013037615	0.580656	1.036709	0.560095
ENSG0000010078319			ENSG0000014712046	1.29894	2.320159	0.559849
ENSG000001150076			ENSG0000014712046	1.29894	2.320159	0.559849
ENSG00000123284	ADGRL3	adhesion G	ENSG000001195476	-0.72154	1.289089	-0.55973
ENSG000001124454	EARS2	glutamyl-tRNA	ENSG0000012871196	0.592862	1.059838	0.55939
ENSG000001116985	ARAP1	ArfGAP with	ENSG0000017958675	0.415933	0.743628	0.559329
ENSG00000111016	ATF7	activating tr	ENSG0000013127148	-0.59091	1.056721	-0.55919
ENSG00000123545	ATP6V0A2	ATPase H+	ENSG0000013127148	-0.59091	1.056721	-0.55919
ENSG00000127068	PPA2	pyrophosph	ENSG0000014720913	0.49323	0.882221	0.559078
ENSG00000181537	SGPP1	sphingosin	ENSG0000011713796	-0.76479	1.368225	-0.55896
ENSG00000111070	TMEM115	transmembran	ENSG0000011716058	-0.76882	1.375477	-0.55895
ENSG00000125959	KANK2	KN motif a	ENSG0000013164885	-0.31022	0.555008	-0.55895
ENSG0000015906	RAP1A	RAP1A, me	ENSG0000017664718	-0.42591	0.76219	-0.5588
ENSG00000164420	SUSD1	sushi domain	ENSG000001268856	0.618747	1.107517	0.55868
ENSG00000128992	MACROD1	MACRO domain	ENSG0000012462962	-0.67886	1.21575	-0.55839
ENSG0000012595	GANC	glucosidase	ENSG0000013525181	0.554505	0.993062	0.558379
ENSG00000179850	FAM57A	family with	ENSG0000014360636	-1.52134	2.724667	-0.55836
ENSG00000160492	CCDC90B	coiled-coil	ENSG000001171016	0.740502	1.326338	0.558306
ENSG00000156945	MRPS22	mitochondr	ENSG0000013675762	0.564295	1.010996	0.558157
ENSG00000157109	REXO4	REX4 homoc	ENSG0000011474466	-0.821	1.470922	-0.55815
ENSG0000011263	PLK3	polo like ki	ENSG0000019717955	-0.9943	1.781737	-0.55805
ENSG00000184750	FUT10	fucosyltran	ENSG0000019717955	-0.9943	1.781737	-0.55805
ENSG0000012313	FLI1	Fli-1 proto	ENSG0000016051886	0.460335	0.825153	0.557879
ENSG00000151058	ZNF691	zinc finger	ENSG0000017100894	-1.15952	2.078556	-0.55785
ENSG000001285855	RPL7L1	ribosomal	ENSG0000019810275	0.39758	0.712754	0.557808

ENSG000001347344	ZNF81	zinc finger	ENSG0000012046895	0.67924	1.217753	0.557781
ENSG0000014943	TBC1D25	TBC1 domain	ENSG0000012046895	0.67924	1.217753	0.557781
ENSG0000010140	ADORA3	adenosine	ENSG0000013255275	1.562013	2.800674	0.557727
ENSG0000010225963			ENSG0000013255275	1.562013	2.800674	0.557727
ENSG00000155315	SLC29A3	solute carrier	ENSG0000013255275	1.562013	2.800674	0.557727
ENSG0000016932	TCF7	transcription factor	ENSG0000019763206	-1.00818	1.807755	-0.5577
ENSG000001146059	CDAN1	codanin 1	ENSG0000019763206	-1.00818	1.807755	-0.5577
ENSG00000151150	SDF4	stromal cell derived factor 4	ENSG0000015637714	-0.47087	0.844482	-0.55758
ENSG0000012058	EPRS	glutamyl-proline synthase	ENSG0000011245532	-0.38632	0.693	-0.55746
ENSG0000018161	COIL	coilin	ENSG0000011223445	-0.89264	1.602226	-0.55713
ENSG00000157129	MRPL47	mitochondrial ribosomal protein L47	ENSG0000012189564	-0.6833	1.226638	-0.55705
ENSG00000179763	ISOC2	isochorismate mutase	ENSG0000011557695	0.765652	1.374831	0.556906
ENSG00000155326	AGPAT5	1-acylglycerol-3-phosphate acyltransferase 5	ENSG0000016068247	1.191001	2.139353	0.556711
ENSG00000193973	ACTR8	ARP8 actin-binding protein	ENSG0000014388075	0.502849	0.903494	0.55656
ENSG00000151218	GLRX5	glutaredoxin 5	ENSG0000013709451	0.53869	0.967954	0.556525
ENSG000001348801	LNP1	leukemia-inhibitory factor 1	ENSG0000017709812	1.035296	1.860911	0.556338
ENSG000001643911	CRNDE	colorectal cancer-related nuclear DNA endonuclease	ENSG0000017709812	1.035296	1.860911	0.556338
ENSG0000011730	DIAPH2	diaphanous GTPase domain family class B member 2	ENSG0000015858565	-0.46378	0.834232	-0.55593
ENSG00000151119	SBDS	SBDS, ribosome biogenesis defect	ENSG0000011292675	0.368285	0.662481	0.555918
ENSG00000151069	MRPL2	mitochondrial ribosomal protein L2	ENSG0000011711533	-0.7607	1.368532	-0.55585
ENSG0000011911	PHC1	polyhomeotic protein 1	ENSG0000011952497	-0.71796	1.293022	-0.55525
ENSG0000015871	MAP4K2	mitogen-activated protein kinase 4	ENSG0000011221182	-0.88698	1.597495	-0.55523
ENSG00000158480	RHOU	ras homolog family class B member 1	ENSG000001315078	-0.60861	1.096183	-0.55521
ENSG0000016300	MAPK12	mitogen-activated protein kinase 12	ENSG0000011399699	0.793056	1.428573	0.555139
ENSG0000019685	CLINT1	clathrin interacting protein 1	ENSG0000018137414	0.411421	0.741159	0.555105
ENSG0000019338	TCEAL1	transcription factor 1	ENSG0000011377322	0.82822	1.493067	0.554711
ENSG0000017905	REEP5	receptor expression modulating factor 5	ENSG0000011468811	0.350355	0.631674	0.554645
ENSG00000157380	MRS2	magnesium ion transporter 2	ENSG0000015565328	0.468971	0.845772	0.554488
ENSG000001712	C1QA	complement component 1qA	ENSG0000017179927	1.299772	2.344675	0.554351
ENSG00000156907	SPIRE1	spire type 1	ENSG000001642269	0.444694	0.802393	0.55421
ENSG0000014170	MCL1	MCL1, BCL2-like 1	ENSG0000013469177	0.305825	0.552226	0.553803
ENSG00000181502	HM13	histocompatibility class II D region	ENSG0000013599647	-0.56737	1.024683	-0.55371
ENSG000001677	ZFP36L1	ZFP36 ring finger protein 1	ENSG000001943781	-0.39588	0.715643	-0.55318
ENSG0000010273557			ENSG0000014315386	-1.49171	2.698294	-0.55283
ENSG00000126240	FAM50B	family with sequence similarity 50B	ENSG0000014315386	-1.49171	2.698294	-0.55283
ENSG0000010279029			ENSG0000014315386	-1.49171	2.698294	-0.55283
ENSG00000110858	CYP46A1	cytochrome P450 46A1	ENSG0000014315386	-1.49171	2.698294	-0.55283
ENSG00000156623	INPP5E	inositol polyphosphate 5-phosphatase	ENSG0000011464409	-0.81131	1.468602	-0.55243
ENSG00000151390	AIG1	androgen-inducible gene 1	ENSG0000014904176	0.479391	0.867986	0.552302
ENSG00000123365	ARHGEF12	Rho guanine nucleotide exchange factor 12	ENSG0000015010993	-0.28874	0.522916	-0.55217
ENSG00000190416	CCDC32	coiled-coil domain containing 32	ENSG0000019678983	-0.99073	1.794805	-0.552
ENSG0000016649	SOD3	superoxide dismutase 3	ENSG0000011556061	0.760409	1.377921	0.551852
ENSG0000012806	GOT2	glutamic-oxaloacetic transaminase 2	ENSG000001372019	0.309615	0.561462	0.551445
ENSG00000155718	POLR3E	RNA polymerase III subunit 3	ENSG0000014033304	-0.52612	0.954165	-0.55139
ENSG0000010277452			ENSG0000013316873	1.50534	2.730084	0.551389
ENSG0000014794	NFKBIE	NF-kappa-B inhibitor epsilon	ENSG0000013316873	1.50534	2.730084	0.551389
ENSG000001414328	IDNK	IDNK, glucocorticoid-inducible nuclear factor	ENSG0000013316873	1.50534	2.730084	0.551389

ENSG00000181029	WNT5B	Wnt family	ENSG000003316873	1.50534	2.730084	0.551389
ENSG00000270039			ENSG000003316873	1.50534	2.730084	0.551389
ENSG00000105371	LINC02001	long interg	ENSG000003316873	1.50534	2.730084	0.551389
ENSG00000105221	BISPR	BST2 interf	ENSG000003316873	1.50534	2.730084	0.551389
ENSG00000128497	SPATA25	spermatog	ENSG000003316873	1.50534	2.730084	0.551389
ENSG00000224003			ENSG000003316873	1.50534	2.730084	0.551389
ENSG0000012882	GPX7	glutathione	ENSG000006191443	1.13658	2.062422	0.55109
ENSG000001284004	HEXD	hexosamin	ENSG000006191443	1.13658	2.062422	0.55109
ENSG00000123163	GGA3	golgi assoc	ENSG000004376383	0.506091	0.91836	0.551081
ENSG00000155320	MIS18BP1	MIS18 binc	ENSG000002534461	0.623585	1.132006	0.550868
ENSG00000151705	EMCN	endomucir	ENSG000007665725	-0.42468	0.771702	-0.55032
ENSG00000118429	ANTXR2	ANTXR cell	ENSG000008770277	0.412848	0.750517	0.550084
ENSG00000181627	TRMT1L	tRNA meth	ENSG000003372088	0.561271	1.020342	0.550081
ENSG000001252839	TMEM9	transmembr	ENSG00000969533	-0.98724	1.794826	-0.55004
ENSG000001200916	RPL22L1	ribosomal	ENSG000006006649	1.219794	2.218294	0.549879
ENSG0000017716	VEZF1	vascular er	ENSG000001193791	0.365476	0.664751	0.549794
ENSG000001826	CAPNS1	calpain sm	ENSG000001937552	0.32844	0.597496	0.549695
ENSG0000016574	SLC20A1	solute carr	ENSG000001944703	-0.71405	1.299142	-0.54963
ENSG000001222194	RSBN1L	round sper	ENSG000003117091	-0.58601	1.066229	-0.54961
ENSG0000019767	JADE3	jade family	ENSG00000194244	-0.71047	1.29285	-0.54954
ENSG00000184179	SLC49A3	solute carr	ENSG000004276413	-1.48433	2.701945	-0.54936
ENSG000001349075	ZNF713	zinc finger	ENSG000004276413	-1.48433	2.701945	-0.54936
ENSG00000157194	ATP10A	ATPase ph	ENSG000004276413	-1.48433	2.701945	-0.54936
ENSG000001147991	DPY19L3	dpy-19 like	ENSG000001468934	-0.82062	1.493941	-0.5493
ENSG0000018243	SMC1A	structural r	ENSG000001215879	-0.37933	0.690846	-0.54908
ENSG00000156006	SMG9	SMG9, non	ENSG00000121892	-0.88129	1.60512	-0.54905
ENSG00000278576			ENSG000007039296	-1.14527	2.088029	-0.54849
ENSG0000013661	IRF3	interferon	ENSG000007039296	-1.14527	2.088029	-0.54849
ENSG00000111339	LOC113391	uncharacte	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000100874	ERI3-IT1	ERI3 intron	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000280378			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001645030	NFIA-AS1	NFIA antis	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000234383			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000100506	LOC100506	uncharacte	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000271590			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000225398			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000233611			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000271964			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000282978			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG0000011427	CRYGS	crystallin g	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000184740	AFAP1-AS1	AFAP1 anti	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000249373			ENSG000001367709	-2.51895	4.593076	-0.54842
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ENSG000001206338	LVRN	laeverin	ENSG000001367709	-2.51895	4.593076	-0.54842
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ENSG00000105377	LOC105377	uncharacte	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001256227	STEAP1B	STEAP fam	ENSG000001367709	-2.51895	4.593076	-0.54842

ENSG000001223075	ITPRID1	ITPR intera	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000122932	POMZP3	POM121 ai	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001243107			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001241026			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001100507156	LOC100507	uncharacte	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001251203			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000110012875C	BPMS-AS	BPMS ant	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001269924			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001643763	NKAIN3-IT	NKAIN3 int	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001254557			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001101926926	RDH10-AS	RDH10 ant	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000126233	FBXL6	F-box and l	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001237768			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001273372			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001116535	MGRPRF	MAS relate	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001100128494	LOC100128	uncharacte	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000155138	FAM90A1	family with	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001234428			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000129951	PDZRN4	PDZ domai	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001257298			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001279581			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001234535			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001283507	SUGT1P3	SUGT1 pse	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001229473			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001214359			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001258951			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001274995			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001259767			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000165990	FAM173A	family with	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001262118			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG00000123594	ORC6	origin reco	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001262777			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001101928266	LOC101928	uncharacte	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG0000019618	TRAF4	TNF recept	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001269693			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001100507373	LOC100507	uncharacte	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001267375			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001237788			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001230982			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001100506737	LINC01589	long interg	ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG000001196741			ENSG000001367709	-2.51895	4.593076	-0.54842
ENSG0000017832	BTG2	BTG anti-pi	ENSG000001110.319	0.380813	0.694387	0.548417
ENSG0000012702	GJA5	gap junctio	ENSG00000114.05858	0.782436	1.426993	0.548311
ENSG00000179875	THSD4	thrombosp	ENSG000001236.7926	-0.34269	0.625028	-0.54828
ENSG00000155764	IFT122	intraflagell	ENSG00000126.46854	-0.61974	1.130535	-0.54818
ENSG0000015708	PSMD2	proteasom	ENSG000001165.743	-0.34572	0.631139	-0.54777
ENSG00000126276	VPS33B	VPS33B, la	ENSG0000017.146144	-1.17764	2.150807	-0.54754

ENSG00000154841	BIVM	basic, imm	ENSG00000124.15947	-0.64544	1.178879	-0.5475
ENSG00000111345	GABARAPL	GABA type	ENSG00000188.49099	0.394556	0.721	0.547234
ENSG000001367	AR	androgen r	ENSG00000168.10481	-0.4535	0.828838	-0.54715
ENSG00000110904	BLCAP	BLCAP, apc	ENSG00000160.92114	-0.45788	0.837023	-0.54703
ENSG000001283489	CHAMP1	chromosom	ENSG00000119.46965	-0.71755	1.311725	-0.54703
ENSG0000018869	ST3GAL5	ST3 beta-g	ENSG00000110.62963	0.925496	1.692036	0.546972
ENSG00000151096	UTP18	UTP18, sm	ENSG00000110.62963	0.925496	1.692036	0.546972
ENSG00000110869	USP19	ubiquitin s	ENSG00000167.35557	-0.4343	0.794202	-0.54684
ENSG000001163882	CNST	consortin, c	ENSG00000180.96937	0.425266	0.777856	0.546716
ENSG0000014841	NONO	non-POU d	ENSG000001147.1564	0.34548	0.632017	0.54663
ENSG00000184706	GPT2	glutamic--p	ENSG00000127.32463	-0.67468	1.234924	-0.54633
ENSG00000192293	TMEM132	transmembr	ENSG0000017.547644	1.081477	1.9801	0.546173
ENSG0000018898	MTMR2	myotubula	ENSG00000131.08668	-0.58024	1.062388	-0.54616
ENSG0000015337	PLD1	phospholip	ENSG000001104.9582	0.394405	0.722398	0.545966
ENSG00000150810	HDGFL3	HDGF like 3	ENSG00000174.8016	0.412689	0.755889	0.545965
ENSG00000164168	NECAB1	N-terminal	ENSG00000128.89676	0.578021	1.058882	0.545879
ENSG00000180790	CMIP	c-Maf indu	ENSG00000128.75721	0.58584	1.073451	0.545754
ENSG000001157697	ERICH1	glutamate	ENSG00000114.01961	0.784697	1.438178	0.545618
ENSG00000151222	ZNF219	zinc finger	ENSG00000114.01961	0.784697	1.438178	0.545618
ENSG00000110325	RRAGB	Ras relatec	ENSG00000114.01961	0.784697	1.438178	0.545618
ENSG00000190324	CCDC97	coiled-coil	ENSG00000116.99213	-0.74814	1.371215	-0.5456
ENSG000001348487	FAM131C	family with	ENSG0000014.773644	1.262776	2.314626	0.545564
ENSG000001728323	LINC01881	long interg	ENSG0000014.773644	1.262776	2.314626	0.545564
ENSG0000015594	MAPK1	mitogen-act	ENSG000001169.7438	0.334295	0.613162	0.545198
ENSG00000155023	PHIP	pleckstrin l	ENSG000001141.0836	-0.35695	0.654738	-0.54519
ENSG00000164682	ANAPC1	anaphase p	ENSG00000128.79396	-0.59733	1.095662	-0.54518
ENSG0000015411	PNN	pinin, desn	ENSG00000151.62573	-0.47844	0.877691	-0.54511
ENSG0000016915	TBXA2R	thromboxa	ENSG0000014.482002	1.484976	2.725473	0.544851
ENSG0000013600	IL15	interleukin	ENSG0000017.77141	1.014705	1.862698	0.54475
ENSG00000190379	DCAF15	DDB1 and C	ENSG0000017.77141	1.014705	1.862698	0.54475
ENSG00000155212	BBS7	Bardet-Bie	ENSG0000019.633732	-0.97651	1.79363	-0.54443
ENSG00000157720	GPR107	G protein-c	ENSG00000169.54145	-0.42856	0.787277	-0.54436
ENSG0000017743	ZNF189	zinc finger	ENSG00000167.74007	0.434442	0.798152	0.54431
ENSG0000012923	PDIA3	protein dis	ENSG000001169.8116	0.33301	0.612021	0.544116
ENSG0000017334	UBE2N	ubiquitin c	ENSG00000154.287	0.456131	0.838347	0.544084
ENSG000001388561	ZNF761	zinc finger	ENSG00000112.1276	-0.87264	1.604765	-0.54378
ENSG00000130816	ERVW-1	endogenou	ENSG0000017.016671	-1.13562	2.088688	-0.5437
ENSG00000127257	LSM1	LSM1 hom	ENSG0000017.016671	-1.13562	2.088688	-0.5437
ENSG00000110367	MICU1	mitochond	ENSG00000147.50077	0.47746	0.878174	0.543696
ENSG00000179085	SLC25A23	solute carr	ENSG00000187.77522	-0.40521	0.745297	-0.54369
ENSG0000016433	SFSWAP	splicing fac	ENSG00000137.96865	-0.53583	0.985617	-0.54365
ENSG000001152815	THAP6	THAP dom	ENSG00000115.6838	0.741483	1.363953	0.543628
ENSG00000154503	ZDHHC13	zinc finger	ENSG0000017.732438	1.017683	1.872178	0.543583
ENSG0000018742	TNFSF12	TNF superf	ENSG0000017.732438	1.017683	1.872178	0.543583
ENSG00000155337	C19orf66	chromosom	ENSG0000017.732438	1.017683	1.872178	0.543583
ENSG00000156981	PRDM11	PR/SET dor	ENSG00000135.6822	-0.5493	1.010626	-0.54352
ENSG0000012583	B4GALNT1	beta-1,4-N	ENSG0000017.178839	-1.16957	2.151959	-0.54349



ENSG00000155760	DHX32	DEAH-box	ENSG00000140503	-0.5334	0.981452	-0.54348
ENSG0000014801	NFYB	nuclear tra	ENSG00000156046	-0.45949	0.845473	-0.54348
ENSG0000019448	MAP4K4	mitogen-ac	ENSG00000121636	0.319063	0.58721	0.543355
ENSG00000151093	RRNAD1	ribosomal	ENSG00000195947	-0.97294	1.790877	-0.54327
ENSG00000110028413	ERVMER34	endogenot	ENSG00000162530	1.11037	2.043889	0.543263
ENSG00000164776	C11orf1	chromosom	ENSG00000162530	1.11037	2.043889	0.543263
ENSG0000015692	PSMB4	proteasom	ENSG00000180022	0.402302	0.740612	0.543203
ENSG00000179089	TMUB2	transmembr	ENSG00000122789	0.638334	1.175527	0.54302
ENSG00000129997	NOP53	NOP53 ribo	ENSG00000131216	-0.59027	1.087407	-0.54282
ENSG000001283377	SPRYD4	SPRY doma	ENSG00000115722	0.739396	1.363051	0.542457
ENSG0000017343	UBTF	upstream k	ENSG00000163123	-0.45044	0.83041	-0.54243
ENSG0000011054	CEBPG	CCAAT enh	ENSG00000133467	-0.56438	1.040474	-0.54242
ENSG00000179956	ERMP1	endoplasm	ENSG00000135753	-0.54906	1.012361	-0.54235
ENSG0000011240	CMKLR1	chemerin c	ENSG00000120575	0.661592	1.220015	0.542282
ENSG00000157449	PLEKHG5	pleckstrin	ENSG00000122563	0.643086	1.186128	0.542172
ENSG0000015770	PTPN1	protein tyr	ENSG00000149226	0.470841	0.868746	0.541978
ENSG00000154780	NSMCE4A	NSE4 hom	ENSG00000114711	-0.82498	1.522648	-0.54181
ENSG00000111313	LYPLA2	lysophosph	ENSG00000117347	0.706399	1.303956	0.541735
ENSG00000154556	ING3	inhibitor o	ENSG00000117347	0.706399	1.303956	0.541735
ENSG00000151362	CDC40	cell divisio	ENSG00000127255	0.586975	1.083511	0.541734
ENSG0000019788	MTSS1	MTSS1, I-B	ENSG00000162766	-0.4421	0.816128	-0.54171
ENSG000001308	ANXA5	annexin A5	ENSG00000114368	0.346967	0.640871	0.541399
ENSG00000157463	AMIGO1	adhesion n	ENSG00000131404	-0.59431	1.097879	-0.54133
ENSG00000110641	NPRL2	NPR2 like,	ENSG00000114081	0.774107	1.430285	0.541226
ENSG0000011798	DPAGT1	dolichyl-ph	ENSG00000114081	0.774107	1.430285	0.541226
ENSG00000155254	TMEM39A	transmembr	ENSG00000126367	-0.61406	1.135258	-0.5409
ENSG0000010211893			ENSG00000191538	-2.71159	5.013372	-0.54087
ENSG00000179691	QTRT2	queueine tR	ENSG00000114120	0.771876	1.427187	0.540837
ENSG0000011606	DGKA	diacylglyce	ENSG00000116939	0.760995	1.407347	0.54073
ENSG0000017090	TLE3	transducin	ENSG00000122077	0.654965	1.211764	0.540505
ENSG0000019970	NR1I3	nuclear rec	ENSG00000142990	-1.49875	2.773147	-0.54045
ENSG00000184164	ASCC2	activating s	ENSG00000129056	-0.61198	1.1325	-0.54038
ENSG00000180818	ZNF436	zinc finger	ENSG00000146945	-0.48766	0.902545	-0.54032
ENSG0000015045	FURIN	furin, paire	ENSG00000173929	-0.41788	0.77341	-0.5403
ENSG00000154974	THG1L	tRNA-histic	ENSG00000190270	1.00845	1.866503	0.540288
ENSG00000179768	KATNBL1	katanin reg	ENSG00000123920	0.624089	1.156059	0.539842
ENSG0000015973	RENBP	renin bindi	ENSG00000144656	1.457392	2.700585	0.539658
ENSG0000013418	IDH2	isocitrate c	ENSG00000152556	-0.2878	0.533316	-0.53964
ENSG000001157769	FAM91A1	family with	ENSG00000153615	0.482732	0.894584	0.539617
ENSG00000123293	SMG6	SMG6, non	ENSG00000142586	-0.51647	0.957255	-0.53954
ENSG00000157677	ZFP14	ZFP14 zinc	ENSG00000114520	-0.79675	1.476842	-0.5395
ENSG00000110885	WDR3	WD repeat	ENSG00000128980	0.569601	1.0562	0.539293
ENSG00000179628	SH3TC2	SH3 domai	ENSG00000128332	-0.74253	1.377347	-0.5391
ENSG0000013423	IDS	iduronate s	ENSG00000110426	0.370387	0.687073	0.539081
ENSG00000155312	RFK	riboflavin k	ENSG00000125500	0.617048	1.14552	0.538662
ENSG0000017978	MTERF1	mitochond	ENSG00000115745	0.73213	1.359392	0.538571
ENSG00000157475	PLEKHH1	pleckstrin	ENSG00000112166	-0.8757	1.62604	-0.53855

ENSG0000010188	TNK2	tyrosine kinase	ENSG000001206374	0.654577	1.215545	0.538505
ENSG0000013628	INPP1	inositol polyphosphate 5-phosphatase	ENSG00000112066	-0.86394	1.605463	-0.53813
ENSG000001646168	LRRC77P	leucine rich repeat domain containing 77	ENSG00000112066	-0.86394	1.605463	-0.53813
ENSG0000016103	RPGR	retinitis pigmentosa 1	ENSG0000011697579	-0.74995	1.394409	-0.53782
ENSG0000010271204			ENSG0000011454352	-0.80147	1.490589	-0.53768
ENSG000001493869	GPX8	glutathione peroxidase 8	ENSG0000017794036	0.997338	1.855035	0.537638
ENSG00000184326	METTL26	methyltransferase 26	ENSG0000017794036	0.997338	1.855035	0.537638
ENSG00000156931	DUS3L	dihydropyrimidinase related 3	ENSG0000017794036	0.997338	1.855035	0.537638
ENSG0000012580	GAK	cyclin G associated kinase 1	ENSG0000013564402	0.527802	0.981872	0.537546
ENSG00000184909	C9orf3	chromosome 9 open reading frame 3	ENSG0000019412163	-0.3918	0.729061	-0.5374
ENSG00000155255	WDR41	WD repeat domain 41	ENSG0000013034725	0.588668	1.095466	0.537368
ENSG00000191272	BOD1	biorientation 1	ENSG000001289335	-0.60424	1.124532	-0.53732
ENSG00000191392	ZNF502	zinc finger protein 502	ENSG000001933503	0.921818	1.715579	0.537322
ENSG00000126511	CHIC2	cysteine rich 2	ENSG000001933503	0.921818	1.715579	0.537322
ENSG000001125488	TTC39C	tetratricopeptide repeat domain 39C	ENSG000001933503	0.921818	1.715579	0.537322
ENSG0000013396	MRPL58	mitochondrial ribosomal protein L58	ENSG0000011409756	0.779999	1.451782	0.53727
ENSG0000015128	CDK17	cyclin dependent kinase 17	ENSG000001671318	-0.42843	0.797486	-0.53722
ENSG0000011287	COL4A5	collagen type IV alpha 5 chain	ENSG0000012234056	0.631879	1.17631	0.537171
ENSG00000164397	ZNF106	zinc finger protein 106	ENSG0000012782745	-0.28031	0.52189	-0.53711
ENSG0000012153	F5	coagulation factor V	ENSG0000017276846	-1.58442	2.950447	-0.53701
ENSG000001231	AKR1B1	aldo-keto reductase family 1 member B1	ENSG000001990844	0.418335	0.77904	0.536988
ENSG0000016520	SLC3A2	solute carrier family 3 member A2	ENSG0000011932383	-0.70288	1.309019	-0.53695
ENSG0000011497	CTNS	cystinosis, 1	ENSG0000011932383	-0.70288	1.309019	-0.53695
ENSG00000154440	SASH3	SAM and S-nitrosylase domain containing 3	ENSG0000011050644	0.956275	1.781163	0.536882
ENSG0000013321	IGSF3	immunoglobulin superfamily member 3	ENSG0000014876019	0.497801	0.927356	0.536796
ENSG000001115677	NOSTRIN	nitric oxide synthase 1	ENSG000001355301	-0.53839	1.003093	-0.53673
ENSG0000015627	PROS1	protein S	ENSG0000011090647	-0.40805	0.760278	-0.53671
ENSG00000154811	ZNF562	zinc finger protein 562	ENSG0000016129701	0.431922	0.80481	0.536676
ENSG000001122704	MRPL52	mitochondrial ribosomal protein L52	ENSG0000011740959	0.698011	1.301664	0.536245
ENSG000001114815	SORCS1	sortilin related receptor class C member 1	ENSG000001964001	-0.98676	1.840416	-0.53616
ENSG0000012588	GALNS	galactosaminase	ENSG0000011414281	0.76361	1.424357	0.536109
ENSG00000184253	GARNL3	GTPase activating protein 3	ENSG0000013320468	-0.55177	1.029445	-0.53599
ENSG00000191	ACVR1B	activin A receptor type 1B	ENSG0000012630637	-0.60988	1.137871	-0.53598
ENSG000001114034	TOE1	target of EGR1	ENSG0000014214815	-1.46147	2.727615	-0.53581
ENSG0000016877	TAF5	TATA-box binding protein 5	ENSG0000014214815	-1.46147	2.727615	-0.53581
ENSG0000010276248			ENSG0000014214815	-1.46147	2.727615	-0.53581
ENSG000001100128927	ZBTB42	zinc finger protein 42	ENSG0000014214815	-1.46147	2.727615	-0.53581
ENSG00000127079	RPUSD2	RNA pseudouridine C-methyltransferase 2	ENSG0000014214815	-1.46147	2.727615	-0.53581
ENSG000001126069	ZNF491	zinc finger protein 491	ENSG0000014214815	-1.46147	2.727615	-0.53581
ENSG0000010261295			ENSG0000014214815	-1.46147	2.727615	-0.53581
ENSG0000015983	RFC3	replication factor C subunit 3	ENSG0000016955073	-1.12114	2.092706	-0.53574
ENSG0000019537	TP53I11	tumor protein 53 isoform 11	ENSG0000014687812	-0.48328	0.903293	-0.53502
ENSG00000154948	MRPL16	mitochondrial ribosomal protein L16	ENSG0000014566186	0.494492	0.924336	0.53497
ENSG00000155181	SMG8	SMG8, non-muscle	ENSG0000011558323	0.753443	1.408709	0.534847
ENSG00000179671	NLRX1	NLR family protein 1	ENSG0000012417581	-0.64435	1.204768	-0.53484
ENSG00000151651	PTRH2	peptidyl-tRNA hydrolase 2	ENSG0000011093762	0.853818	1.596483	0.534812
ENSG0000016284	S100A13	S100 calcium binding protein A13	ENSG0000011254022	0.803022	1.501865	0.534683

ENSG0000019775	EIF4A3	eukaryotic	ENSG00000127782	0.58326	1.090894	0.534662
ENSG00000184187	TMEM164	transmembrane	ENSG0000011182782	-0.36092	0.675405	-0.53438
ENSG00000184912	SLC35B4	solute carrier	ENSG0000011686894	-0.73547	1.376563	-0.53428
ENSG00000180031	SEMA6D	semaphorin	ENSG0000011907378	0.669713	1.253572	0.534244
ENSG00000157136	APMAP	adipocyte	ENSG0000013578356	0.52141	0.976	0.534231
ENSG00000110138	YAF2	YY1 associated	ENSG0000015963282	0.433791	0.812078	0.534174
ENSG000001353116	RILPL1	Rab interactor	ENSG0000014046631	-0.529	0.990607	-0.53402
ENSG00000122921	MSRB2	methionine	ENSG0000016103806	0.444954	0.833325	0.533951
ENSG00000151306	FAM13B	family with	ENSG0000016111849	0.436754	0.817994	0.533933
ENSG00000122878	TRAPPC8	trafficking	ENSG0000017401756	-0.41795	0.782974	-0.53379
ENSG0000011185	CLCN6	chloride voltage	ENSG0000014002505	-0.51211	0.959443	-0.53376
ENSG00000110211	FLOT1	flotillin 1	ENSG0000011667359	0.328626	0.615791	0.533665
ENSG0000015525	PPP2R5A	protein phosphatase	ENSG0000017980424	0.411204	0.770567	0.533638
ENSG0000013176	HNMT	histamine	ENSG0000011903481	0.67157	1.258511	0.533623
ENSG0000019533	POLR1C	RNA polymerase	ENSG000001419219	-1.44595	2.710556	-0.53345
ENSG0000010217680			ENSG000001419219	-1.44595	2.710556	-0.53345
ENSG000001374654	KIF7	kinesin family	ENSG000001419219	-1.44595	2.710556	-0.53345
ENSG0000010272617			ENSG000001419219	-1.44595	2.710556	-0.53345
ENSG000001123870			ENSG000001419219	-1.44595	2.710556	-0.53345
ENSG00000179986	ZNF702P	zinc finger	ENSG000001419219	-1.44595	2.710556	-0.53345
ENSG000001348327	ZNF530	zinc finger	ENSG000001419219	-1.44595	2.710556	-0.53345
ENSG000001388962	BOLA3	bolA family	ENSG000001155317	0.779337	1.460953	0.533445
ENSG0000012677	GGCX	gamma-glutamyl	ENSG0000014018094	-0.51651	0.968401	-0.53336
ENSG0000010273329			ENSG0000016314639	1.084631	2.033699	0.533329
ENSG0000019520	NPEPPS	aminopeptidase	ENSG0000019822189	-0.37779	0.708372	-0.53333
ENSG0000015976	UPF1	UPF1, RNA	ENSG0000015133409	-0.46696	0.875849	-0.53315
ENSG000001160851	DGKH	diacylglycerol	ENSG0000016255263	-0.43415	0.814346	-0.53313
ENSG000001143458	LDLRAD3	low density	ENSG0000019555787	-0.9692	1.818273	-0.53304
ENSG000001199704	ZNF585A	zinc finger	ENSG0000011935563	-0.69968	1.312914	-0.53292
ENSG00000183468	GLT8D2	glycosyltransferase	ENSG0000011418178	0.761368	1.429121	0.532753
ENSG00000156160	NSMCE3	NSE3 homolog	ENSG0000011418178	0.761368	1.429121	0.532753
ENSG00000111072	DUSP14	dual specific	ENSG000001109766	0.851231	1.597812	0.532748
ENSG00000155719	SLF2	SMC5-SMC	ENSG0000016700233	-0.42372	0.795404	-0.53271
ENSG0000018409	UXT	ubiquitous	ENSG0000011737062	0.700026	1.31433	0.532611
ENSG0000018514	KCNAB2	potassium	ENSG0000013817986	-0.54114	1.016031	-0.5326
ENSG0000014238	MFAP3	microfibril	ENSG0000014226625	-0.4989	0.936747	-0.53259
ENSG00000126354	GNL3	G protein receptor	ENSG0000014483427	-0.50573	0.950398	-0.53213
ENSG00000179156	PLEKHF1	pleckstrin homology	ENSG000001120044	-0.85521	1.607228	-0.5321
ENSG000001127829	ARL8A	ADP ribosyl	ENSG0000012391307	-0.62719	1.179163	-0.5319
ENSG00000184142	ABRAXAS1	abraxas 1,	ENSG0000011257919	0.800618	1.505327	0.531857
ENSG00000150804	MYEF2	myelin exp	ENSG0000019510537	-0.95486	1.795699	-0.53175
ENSG00000150814	NSDHL	NAD(P) dehydrogenase	ENSG0000019510537	-0.95486	1.795699	-0.53175
ENSG00000110265	IRX5	iroquois homeobox	ENSG0000017833008	0.99428	1.870023	0.531694
ENSG0000014803	NGF	nerve growth	ENSG0000016994045	-1.12605	2.117923	-0.53167
ENSG00000154700	RRN3	RRN3 homolog	ENSG000001399798	-0.50865	0.956828	-0.5316
ENSG00000164837	KLC2	kinesin light	ENSG0000012156503	-0.65502	1.232811	-0.53132
ENSG00000164925	CCDC71	coiled-coil	ENSG0000019396628	0.905407	1.704491	0.531189

ENSG00000184197	POMK	protein-O-1	ENSG00000184197	9.396628	0.905407	1.704491	0.531189
ENSG00000184649	DGAT2	diacylglyce	ENSG00000184649	9.396628	0.905407	1.704491	0.531189
ENSG00000180781	COL18A1	collagen ty	ENSG00000180781	30.69042	0.55222	1.03986	0.531052
ENSG0000017562	ZNF708	zinc finger	ENSG0000017562	23.98095	-0.63589	1.197446	-0.53104
ENSG0000019647	PPM1F	protein ph	ENSG0000019647	32.25404	0.548602	1.033105	0.531023
ENSG0000015873	RAB27A	RAB27A, m	ENSG0000015873	15.70643	0.734391	1.382994	0.531016
ENSG000001221662	RBM24	RNA bindir	ENSG000001221662	145.0282	-0.37663	0.709478	-0.53085
ENSG00000155787	TXLNG	taxilin gam	ENSG00000155787	20.59843	0.656515	1.237018	0.530724
ENSG00000155770	EXOC2	exocyst co	ENSG00000155770	30.83401	-0.56271	1.060585	-0.53057
ENSG000001123722	FSD2	fibronectin	ENSG000001123722	67.34301	-0.4319	0.814185	-0.53046
ENSG00000123369	PUM2	pumilio RN	ENSG00000123369	140.1119	-0.34199	0.644849	-0.53035
ENSG00000127336	HTATSF1	HIV-1 Tat s	ENSG00000127336	107.9637	0.36242	0.68339	0.530328
ENSG00000181857	MED25	mediator c	ENSG00000181857	24.05262	-0.63516	1.197999	-0.53019
ENSG00000160685	ZFAND3	zinc finger	ENSG00000160685	49.18091	-0.47572	0.89733	-0.53015
ENSG00000180142	PTGES2	prostaglan	ENSG00000180142	37.31828	0.525826	0.991931	0.530103
ENSG00000184893	FBH1	F-box DNA	ENSG00000184893	100.2846	-0.37272	0.703125	-0.53009
ENSG0000016713	SQLE	squalene e	ENSG0000016713	7.855633	0.977312	1.843937	0.530014
ENSG0000019139	CBFA2T2	CBFA2/RUI	ENSG0000019139	35.44588	-0.53327	1.00623	-0.52997
ENSG0000016605	SMARCE1	SWI/SNF r	ENSG0000016605	46.00503	0.471366	0.889639	0.52984
ENSG0000016695	SPOCK1	SPARC (ost	ENSG0000016695	70.108	0.457259	0.863032	0.529829
ENSG00000155599	RNPC3	RNA bindir	ENSG00000155599	39.94083	-0.50757	0.958037	-0.5298
ENSG00000154940	OCIAD1	OCIA dom	ENSG00000154940	83.69956	0.391735	0.739543	0.529698
ENSG00000184340	GFM2	G elongatic	ENSG00000184340	42.39507	0.501358	0.946506	0.529693
ENSG00000154973	INTS11	integrator	ENSG00000154973	46.71595	-0.47746	0.902214	-0.52921
ENSG0000011295	COL8A1	collagen ty	ENSG0000011295	70.38498	-0.44869	0.848027	-0.52909
ENSG000001150472	CBWD2	COBW don	ENSG000001150472	17.43222	0.691643	1.307715	0.528894
ENSG00000189781	HPS4	HPS4, biog	ENSG00000189781	23.8741	-0.62555	1.182965	-0.5288
ENSG000001653121	ZBTB8A	zinc finger	ENSG000001653121	12.60181	0.791167	1.496341	0.528734
ENSG0000010266469			ENSG0000010266469	12.60181	0.791167	1.496341	0.528734
ENSG0000019555	H2AFY	H2A histon	ENSG0000019555	90.72212	0.3778	0.714696	0.528617
ENSG0000011655	DDX5	DEAD-box	ENSG0000011655	413.9002	-0.28939	0.547686	-0.52839
ENSG00000154834	GDAP2	ganglioside	ENSG00000154834	52.79126	0.450287	0.85229	0.528326
ENSG0000013694	ITGB6	integrin su	ENSG0000013694	4.835242	1.227179	2.323893	0.52807
ENSG000001494470	RNF165	ring finger	ENSG000001494470	4.835242	1.227179	2.323893	0.52807
ENSG00000155203	LGI2	leucine ric	ENSG00000155203	6.9161	-1.1163	2.114801	-0.52785
ENSG00000154932	EXD3	exonucleas	ENSG00000154932	6.9161	-1.1163	2.114801	-0.52785
ENSG0000012778	GNAS	GNAS com	ENSG0000012778	857.0917	0.264596	0.501384	0.527731
ENSG00000110574	CCT7	chaperonir	ENSG00000110574	154.5712	0.333782	0.632624	0.527615
ENSG0000013716	JAK1	Janus kinas	ENSG0000013716	291.7962	-0.29573	0.560513	-0.5276
ENSG00000111261	CHP1	calcineurin	ENSG00000111261	105.9789	0.370739	0.702985	0.527378
ENSG00000184935	MEDAG	mesenteric	ENSG00000184935	14.41405	-0.77969	1.478544	-0.52734
ENSG000001201140	DHRS7C	dehydroge	ENSG000001201140	14.41405	-0.77969	1.478544	-0.52734
ENSG00000110073	SNUPN	snurportin	ENSG00000110073	6.893475	-1.10652	2.099107	-0.52714
ENSG000001147929	ZNF565	zinc finger	ENSG000001147929	6.893475	-1.10652	2.099107	-0.52714
ENSG00000151654	CDK5RAP1	CDK5 regul	ENSG00000151654	21.52606	-0.65322	1.239348	-0.52707
ENSG000001285590	SH3PXD2B	SH3 and P	ENSG000001285590	39.14084	0.502138	0.952724	0.527056
ENSG0000010261269			ENSG0000010261269	28.62551	-0.58479	1.109574	-0.52704

ENSG00000165975	STK33	serine/thr	ENSG00000132516	0.532814	1.010962	0.527037
ENSG0000011278	COL1A2	collagen ty	ENSG00000121493	0.318671	0.604656	0.527028
ENSG0000013631	INPP4A	inositol pol	ENSG00000163207	0.421327	0.79946	0.527015
ENSG0000018761	PABPC4	poly(A) bin	ENSG00000111015	-0.38053	0.722078	-0.527
ENSG00000149375	GS1-124K5	RAB guanir	ENSG00000111965	-0.85225	1.6172	-0.52699
ENSG00000155070	DET1	DET1, COP	ENSG00000111965	-0.85225	1.6172	-0.52699
ENSG00000126094			ENSG00000131936	1.62458	3.083615	0.526843
ENSG0000016286	S100P	S100 calciu	ENSG00000131936	1.62458	3.083615	0.526843
ENSG00000127293			ENSG00000131936	1.62458	3.083615	0.526843
ENSG00000110653	SPINT2	serine pep	ENSG00000131936	1.62458	3.083615	0.526843
ENSG0000014318	MMP9	matrix met	ENSG00000131936	1.62458	3.083615	0.526843
ENSG0000013459	IFNGR1	interferon	ENSG00000115135	0.331852	0.629923	0.526813
ENSG00000110526	IPO8	importin 8	ENSG00000158057	-0.44391	0.842809	-0.5267
ENSG0000014891	SLC11A2	solute carr	ENSG00000150472	0.481995	0.915288	0.526605
ENSG00000120089	ARL13B	ADP ribosy	ENSG00000194715	-0.95123	1.80639	-0.52659
ENSG00000125340			ENSG00000194715	-0.95123	1.80639	-0.52659
ENSG00000180737	VWA7	von Willeb	ENSG00000194715	-0.95123	1.80639	-0.52659
ENSG00000155780	ERMARD	ER membr	ENSG00000194715	-0.95123	1.80639	-0.52659
ENSG0000017074	TIAM1	T cell lymp	ENSG00000114103	0.766108	1.455079	0.526506
ENSG0000014285	MIPEP	mitochond	ENSG00000116784	-0.72489	1.377	-0.52643
ENSG0000015229	PGGT1B	protein ger	ENSG00000142143	-0.49354	0.937571	-0.5264
ENSG0000017094	TLN1	talin 1	ENSG00000184339	0.263963	0.50149	0.526357
ENSG00000158517	RBM25	RNA bindir	ENSG00000198027	-0.37507	0.712858	-0.52615
ENSG00000180162	PGGHG	protein-glu	ENSG00000118934	0.681417	1.295282	0.526076
ENSG000001605	BCL7A	BCL tumor	ENSG00000116823	-0.7271	1.382516	-0.52593
ENSG00000179934	COQ8B	coenzyme	ENSG00000116823	-0.7271	1.382516	-0.52593
ENSG00000116373	CITED4	Cbp/p300 i	ENSG00000169324	-1.11137	2.113318	-0.52589
ENSG00000184074	QRICH2	glutamine	ENSG00000169324	-1.11137	2.113318	-0.52589
ENSG0000015733	PTGER3	prostaglan	ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000123995			ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG0000012895	GRID2	glutamate	ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000111582	RAB3C	RAB3C, me	ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000127341			ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000161920	SCART1	scavenger	ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000161938	SCARNA9	small Cajal	ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000121189			ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000124044			ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000172920	FLJ45513	uncharacte	ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000127991			ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000127988			ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000128352			ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000115880	NKAPP1	NFKB activ	ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000123785			ENSG00000114519	-2.61163	4.968545	-0.52563
ENSG00000155716	LMBR1L	limb devel	ENSG00000126183	-0.60147	1.144357	-0.5256
ENSG00000165244	SPATS2	spermatog	ENSG00000111981	-0.84938	1.6168	-0.52535
ENSG00000151164	DCTN4	dynactin st	ENSG00000192373	0.379773	0.722953	0.525308
ENSG00000123303	KIF13B	kinesin fan	ENSG00000147652	0.466826	0.889004	0.525112

ENSG00000184938	ATG4C	autophagy	ENSG0000019435601	0.902547	1.718818	0.525097
ENSG0000012339	FNTA	farnesyltra	ENSG00000135.92938	0.510863	0.973142	0.524963
ENSG0000010271452			ENSG0000014.231163	-1.45394	2.769877	-0.52491
ENSG00000123683	PRKD3	protein kin	ENSG00000153.43574	-0.45471	0.866471	-0.52478
ENSG0000013326	HSP90AB1	heat shock	ENSG000001859.9925	0.270944	0.516316	0.524764
ENSG0000018504	PEX3	peroxisom	ENSG00000120.82219	0.633757	1.207715	0.524757
ENSG00000123761	PISD	phosphatic	ENSG00000120.82219	0.633757	1.207715	0.524757
ENSG000001619208	FAM229B	family with	ENSG00000122.48639	0.614354	1.170823	0.52472
ENSG0000015202	PFDN2	prefoldin s	ENSG0000019.448939	-0.94393	1.798994	-0.5247
ENSG0000018540	AGPS	alkylglycer	ENSG00000154.61134	0.444036	0.846325	0.524664
ENSG00000155743	CHFR	checkpoint	ENSG00000127.47896	0.569914	1.086566	0.524509
ENSG00000126015	RPAP1	RNA polym	ENSG00000123.82885	-0.61963	1.18217	-0.52415
ENSG0000012213	FCGR2B	Fc fragmen	ENSG00000113.79585	0.821073	1.566997	0.523978
ENSG00000157089	ENTPD7	ectonucleo	ENSG00000114.266	0.74285	1.417975	0.523881
ENSG000001140707	BRI3BP	BRI3 bindir	ENSG0000019.458226	0.889192	1.697371	0.523864
ENSG0000019766	SUSD6	sushi domæ	ENSG00000180.4843	0.387766	0.740272	0.523816
ENSG0000015903	RANBP2	RAN bindir	ENSG000001282.6768	-0.29443	0.562311	-0.52361
ENSG00000193035	PKHD1L1	PKHD1 like	ENSG00000168.36378	2.664739	5.08917	0.52361
ENSG0000011629	DBT	dihydrolip	ENSG00000186.7733	-0.38387	0.73314	-0.52359
ENSG00000184803	GPAT3	glycerol-3-	ENSG00000149.5798	0.453011	0.865429	0.523452
ENSG0000014152	MBD1	methyl-Cp	ENSG00000151.1204	-0.45718	0.873775	-0.52322
ENSG00000179871	RPAP2	RNA polym	ENSG00000149.09669	-0.47203	0.902515	-0.52302
ENSG00000193343	MVB12A	multivesic	ENSG0000014.734671	1.266675	2.422792	0.522816
ENSG000001128434	VSTM2L	V-set and t	ENSG00000110.10612	2.277024	4.355347	0.522811
ENSG000001185	AGTR1	angiotensi	ENSG0000019.494189	-0.95828	1.833018	-0.52279
ENSG000001387590	TPTEP1	TPTE pseuc	ENSG0000019.494189	-0.95828	1.833018	-0.52279
ENSG00000125854	FAM149A	family with	ENSG00000111.03819	0.837405	1.602481	0.522568
ENSG0000015244	ABCB4	ATP bindin	ENSG00000111.03819	0.837405	1.602481	0.522568
ENSG00000123383	MAU2	MAU2 sist	ENSG00000151.25615	-0.46509	0.890107	-0.52251
ENSG00000123517	MTREX	Mtr4 exosc	ENSG00000178.83646	0.388634	0.743858	0.522458
ENSG00000154865	GPATCH4	G-patch do	ENSG00000119.05743	0.665996	1.275159	0.522284
ENSG0000014038	LRP4	LDL recept	ENSG00000158.07651	-0.44829	0.85835	-0.52227
ENSG000001100873987	FGF12-AS2	FGF12 anti	ENSG0000014.130592	-1.42257	2.724045	-0.52223
ENSG00000110584	COLEC10	collectin s	ENSG0000014.130592	-1.42257	2.724045	-0.52223
ENSG0000010250280			ENSG0000014.130592	-1.42257	2.724045	-0.52223
ENSG0000015994	RFXAP	regulatory	ENSG0000014.130592	-1.42257	2.724045	-0.52223
ENSG0000012643	GCH1	GTP cycloh	ENSG0000014.130592	-1.42257	2.724045	-0.52223
ENSG000001170463	SSBP4	single strar	ENSG0000014.130592	-1.42257	2.724045	-0.52223
ENSG00000151622	CCZ1	CCZ1 hom	ENSG00000112.50124	0.805842	1.543249	0.522172
ENSG0000014885	NPTX2	neuronal p	ENSG00000114.35245	-0.77228	1.479097	-0.52213
ENSG0000015915	RARB	retinoic aci	ENSG00000124.07263	0.600803	1.151096	0.52194
ENSG0000013841	KPNA5	karyopheri	ENSG00000124.07263	0.600803	1.151096	0.52194
ENSG000001260425	MAGI3	membrane	ENSG00000123.86782	-0.62132	1.190723	-0.5218
ENSG000001221037	JMJD1C	jumonji do	ENSG000001149.6176	0.332397	0.637153	0.521691
ENSG000001114795	TMEM132l	transmeml	ENSG00000110.22709	-1.07771	2.066273	-0.52157
ENSG00000111142	PKIG	cAMP-dep	ENSG00000175.40123	0.393796	0.755035	0.52156
ENSG00000125981	DNAH1	dynein axo	ENSG00000132.15347	0.554682	1.06366	0.521484

ENSG00000190423	ATP6V1E2	ATPase H+	ENSG0000016376237	1.059266	2.031347	0.52146
ENSG0000017039	TGFA	transformin	ENSG0000016376237	1.059266	2.031347	0.52146
ENSG00000110938	EHD1	EH domain	ENSG0000013089156	0.54032	1.03671	0.521187
ENSG000001729	C6	compleme	ENSG0000011309779	-0.41172	0.79004	-0.52114
ENSG00000124148	PRPF6	pre-mRNA	ENSG0000016446949	-0.41982	0.805628	-0.52111
ENSG000001149428	BNIP1	BCL2 intera	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001233040			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001283031			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001273035			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001151258	SLC38A11	solute carr	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001494513	PJK1	pejvakin	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001238829			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG00000193463	LOC93463	uncharacte	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001100131635	LOC100131	hCG16450	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001131578	LRRC15	leucine ric	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001107986251	LINC02600	long interg	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001251286			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001207129			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001219085			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG00000184870	RSPO3	R-spondin	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001233231			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG0000013834	KIF25	kinesin fan	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001442524	DPY19L2P3	DPY19L2 p	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG0000011395	CRHR2	corticotrop	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001272941			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG00000179989	TTC26	tetratricop	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001260484			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001226823			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG0000013293	HSD17B3	hydroxyste	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG00000156624	ASAH2	N-acylsphii	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001230661			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG00000123529	CLCF1	cardiotrop	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001276179			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001338817	LINC01252	long interg	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001255565			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001255968			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG0000012262	GPC5	glypican 5	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001283	ANG	angiogenin	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001102723809	LOC102723	uncharacte	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001258930			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG00000164150	DIO3OS	DIO3 oppo	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001283726	SAXO2	stabilizer o	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001252690			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001113000	RPUSD1	RNA pseud	ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001260816			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001240898			ENSG0000011306111	-2.45661	4.715494	-0.52097
ENSG000001116	ADCYAP1	adenylate	ENSG0000011306111	-2.45661	4.715494	-0.52097

ENSG000001000000279989			ENSG0000010000001306111	-2.45661	4.715494	-0.52097
ENSG00000100000010050607C	RBFADN	RBFA down	ENSG0000010000001306111	-2.45661	4.715494	-0.52097
ENSG00000100000054831	BEST2	bestrophin	ENSG0000010000001306111	-2.45661	4.715494	-0.52097
ENSG0000010000000242100			ENSG0000010000001306111	-2.45661	4.715494	-0.52097
ENSG0000010000006855	SYP	synaptoph	ENSG0000010000001306111	-2.45661	4.715494	-0.52097
ENSG00000100000010272477C	LOC10272477C	protein DG	ENSG0000010000001306111	-2.45661	4.715494	-0.52097
ENSG00000100000010272478E	LOC10272478E	proline de	ENSG0000010000001306111	-2.45661	4.715494	-0.52097
ENSG000001000000483	ATP1B3	ATPase Na	ENSG00000100000037.50856	-0.51065	0.980617	-0.52075
ENSG0000010000000273381			ENSG0000010000004.153217	-1.43816	2.761845	-0.52072
ENSG00000100000011035	RIPK3	receptor in	ENSG0000010000004.153217	-1.43816	2.761845	-0.52072
ENSG0000010000002696	GIPR	gastric inhi	ENSG0000010000004.153217	-1.43816	2.761845	-0.52072
ENSG00000100000027304	MOCS3	molybden	ENSG0000010000004.153217	-1.43816	2.761845	-0.52072
ENSG0000010000009045	RPL14	ribosomal	ENSG000001000000223.179	0.318624	0.61201	0.520618
ENSG000001000000253512	SLC25A30	solute carr	ENSG00000100000098.86428	-0.38902	0.74753	-0.5204
ENSG000001000000163590	TOR1AIP2	torsin 1A ir	ENSG000001000000148.8303	-0.33498	0.643717	-0.52038
ENSG00000100000057147	SCYL3	SCY1 like p	ENSG00000100000014.22703	0.745137	1.432049	0.520329
ENSG00000100000029115	SAP30BP	SAP30 binc	ENSG00000100000039.32564	0.491406	0.944637	0.520207
ENSG00000100000084669	USP32	ubiquitin s	ENSG00000100000077.1333	0.389876	0.749465	0.520205
ENSG00000100000084343	HPS3	HPS3, biog	ENSG00000100000011.92018	-0.84054	1.61592	-0.52016
ENSG00000100000084936	ZFYVE19	zinc finger	ENSG00000100000011.92018	-0.84054	1.61592	-0.52016
ENSG0000010000009923	ZBTB40	zinc finger	ENSG00000100000060.21714	-0.43893	0.843904	-0.52012
ENSG0000010000000203709			ENSG000001000000110.994	-0.35583	0.684176	-0.52008
ENSG00000100000010438	C1D	C1D nuclea	ENSG00000100000012.56284	0.793796	1.526476	0.520019
ENSG0000010000002997	GYS1	glycogen s	ENSG000001000000146.0917	-0.39092	0.751999	-0.51985
ENSG000001000000120103	SLC36A4	solute carr	ENSG00000100000022.34684	0.624295	1.201136	0.519754
ENSG000001000000284047	CCDC144B	coiled-coil	ENSG00000100000022.34684	0.624295	1.201136	0.519754
ENSG00000100000027077	B9D1	B9 domain	ENSG0000010000004.857867	1.195541	2.301842	0.519385
ENSG000001000000106660612	LINC00680	long interg	ENSG0000010000006.87085	-1.09659	2.111766	-0.51928
ENSG0000010000002976	GTF3C2	general tra	ENSG00000100000019.07116	-0.67502	1.300047	-0.51923
ENSG0000010000007329	UBE2I	ubiquitin c	ENSG00000100000019.07116	-0.67502	1.300047	-0.51923
ENSG000001000000643677	CCDC168	coiled-coil	ENSG0000010000004.169565	-1.43036	2.755061	-0.51917
ENSG00000100000079583	TMEM231	transmembr	ENSG0000010000004.169565	-1.43036	2.755061	-0.51917
ENSG0000010000004013	VWA5A	von Willeb	ENSG00000100000011.90383	-0.84341	1.625145	-0.51898
ENSG00000100000091289	LMF2	lipase mat	ENSG00000100000011.90383	-0.84341	1.625145	-0.51898
ENSG00000100000025972	UNC50	unc-50 inn	ENSG00000100000014.31347	-0.76976	1.483235	-0.51897
ENSG0000010000009126	SMC3	structural r	ENSG00000100000070.14592	0.403352	0.77723	0.518961
ENSG0000010000003338	DNAJC4	DnaJ heat s	ENSG00000100000011.88121	-0.83758	1.614068	-0.51892
ENSG00000100000025804	LSM4	LSM4 hom	ENSG00000100000025.87636	0.577353	1.112889	0.518787
ENSG00000100000054902	TTC19	tetratricop	ENSG00000100000048.77235	-0.46077	0.888279	-0.51872
ENSG00000100000051535	PPHLN1	periphilin 1	ENSG00000100000037.59985	0.500614	0.965805	0.518339
ENSG00000100000010541	ANP32B	acidic nucl	ENSG00000100000026.0537	-0.58918	1.136926	-0.51823
ENSG00000100000023229	ARHGEF9	Cdc42 guar	ENSG00000100000048.81132	-0.4617	0.891088	-0.51813
ENSG00000100000060481	ELOVL5	ELOVL fatty	ENSG00000100000044.26733	-0.47895	0.924461	-0.51809
ENSG00000100000055151	TMEM38B	transmembr	ENSG00000100000056.50558	0.431139	0.832264	0.518031
ENSG00000100000016	AARS	alanyl-tRN	ENSG000001000000108.7528	-0.35748	0.690109	-0.518
ENSG000001000000540	ATP7B	ATPase co	ENSG0000010000006.831877	-1.09176	2.108019	-0.51791
ENSG000001000000114908	TMEM123	transmembr	ENSG000001000000143.0551	0.330158	0.637593	0.51782



ENSG0000017869	SEMA3B	semaphori	ENSG0000019409966	-0.94024	1.81683	-0.51752
ENSG00000184216	TMEM117	transmembr	ENSG0000019426314	-0.93657	1.809801	-0.5175
ENSG00000151227	PIGP	phosphatic	ENSG0000019426314	-0.93657	1.809801	-0.5175
ENSG00000110923	SUB1	SUB1 hom	ENSG000001105.911	0.372835	0.720475	0.517486
ENSG00000164116	SLC39A8	solute carr	ENSG00000110.83705	0.871455	1.684592	0.517309
ENSG00000157189	KIAA1147	KIAA1147	ENSG00000150.98085	-0.45314	0.875999	-0.51729
ENSG0000014233	MET	MET proto	ENSG00000137.44696	-0.50765	0.981608	-0.51716
ENSG000001114876	OSBPL1A	oxysterol b	ENSG000001117.5001	-0.34838	0.673663	-0.51714
ENSG0000019419	CRIP1	CXXC repe	ENSG00000117.59438	0.673088	1.302024	0.516955
ENSG0000015187	PER1	period circ	ENSG000001146.2383	-0.33223	0.642679	-0.51695
ENSG00000193627	TBC1	TBC1 dom	ENSG00000126.09267	-0.59073	1.142778	-0.51693
ENSG00000193624	TADA2B	transcripti	ENSG00000142.07518	-0.48862	0.945446	-0.51682
ENSG0000010268858			ENSG00000110.96025	0.843042	1.631434	0.516749
ENSG00000179630	C1orf54	chromosom	ENSG0000013.440068	1.398102	2.705897	0.516687
ENSG0000019911	TMCC2	transmembr	ENSG0000013.440068	1.398102	2.705897	0.516687
ENSG00000181855	SFXN3	sideroflexi	ENSG00000134.24884	0.516261	0.999297	0.516624
ENSG00000110555	AGPAT2	1-acylglyce	ENSG00000114.29085	-0.76482	1.480489	-0.5166
ENSG000001148254	ZNF555	zinc finger	ENSG00000114.29085	-0.76482	1.480489	-0.5166
ENSG000001221154	MICU2	mitochond	ENSG00000156.48295	0.432684	0.837826	0.516436
ENSG0000014287	ATXN3	ataxin 3	ENSG00000144.30003	-0.47785	0.925343	-0.51641
ENSG00000154978	SLC35F6	solute carr	ENSG00000144.3968	-0.48605	0.941269	-0.51638
ENSG00000126100	WIPI2	WD repeat	ENSG00000151.07514	-0.45452	0.880251	-0.51635
ENSG0000015638	PRRG1	proline ric	ENSG00000126.01473	-0.58766	1.138122	-0.51634
ENSG0000019813	EFCAB14	EF-hand ca	ENSG000001174.6724	-0.31725	0.614507	-0.51626
ENSG0000016472	SHMT2	serine hyd	ENSG00000119.13904	-0.6859	1.3286	-0.51626
ENSG00000123185	LARP4B	La ribonuc	ENSG000001115.9176	-0.35931	0.696468	-0.51591
ENSG0000012547	XRCC6	X-ray repai	ENSG000001181.5341	0.312188	0.605429	0.515647
ENSG0000016936	GCFC2	GC-rich sec	ENSG00000137.42434	-0.50578	0.980994	-0.51558
ENSG00000155345	ZGRF1	zinc finger	ENSG0000019.519824	0.873144	1.693904	0.515462
ENSG000001284352	PPP1R37	protein ph	ENSG0000019.519824	0.873144	1.693904	0.515462
ENSG000001170082	TCEANC	transcripti	ENSG0000019.519824	0.873144	1.693904	0.515462
ENSG00000130008	EFEMP2	EGF contai	ENSG00000142.00351	-0.48873	0.948468	-0.51528
ENSG0000013384	ICAM2	intercellul	ENSG00000116.66152	-0.71202	1.381877	-0.51526
ENSG00000185007	PHYKPL	5-phospho	ENSG00000151.21717	-0.4641	0.900845	-0.51519
ENSG0000015468	PPARG	peroxisom	ENSG00000119.03219	-0.67303	1.306713	-0.51506
ENSG00000111331	PHB2	prohibitin	ENSG00000170.38604	0.39713	0.771241	0.514923
ENSG00000151616	TAF9B	TATA-box k	ENSG00000129.31159	0.54189	1.052526	0.514848
ENSG000001996	CDC27	cell divisio	ENSG00000182.14509	-0.38626	0.750281	-0.51482
ENSG0000019442	MED27	mediator c	ENSG00000112.72501	0.76773	1.491824	0.514625
ENSG00000179230	ZNF557	zinc finger	ENSG00000112.72501	0.76773	1.491824	0.514625
ENSG0000018644	AKR1C3	aldo-keto r	ENSG00000111.85858	-0.83165	1.616136	-0.51459
ENSG00000192610	TIFA	TRAF inter	ENSG00000119.25857	0.64705	1.257645	0.514493
ENSG0000016920	TCEA3	transcripti	ENSG00000172.11182	0.394437	0.766786	0.514403
ENSG000001343450	KCNT2	potassium	ENSG00000110.77545	0.886123	1.722672	0.514389
ENSG0000018826	IQGAP1	IQ motif cc	ENSG000001317.3082	0.285971	0.555948	0.514384
ENSG0000015998	RGS3	regulator c	ENSG00000197.96294	-0.37152	0.722321	-0.51434
ENSG00000123173	METAP1	methionyl	ENSG00000160.87838	0.444355	0.863996	0.514302

ENSG00000129952	DPP7	dipeptidyl	ENSG00000129952	25.9921	-0.58494	1.137362	-0.51429
ENSG00000155844	PPP2R2D	protein phosphatase 2	ENSG00000155844	37.80099	0.490817	0.955525	0.513662
ENSG0000019031	BAZ1B	bromodomain	ENSG0000019031	154.9278	-0.32525	0.633213	-0.51364
ENSG00000110797	MTHFD2	methylenetetrahydrofolate dehydrogenase 2	ENSG00000110797	37.72305	0.493168	0.960177	0.513622
ENSG00000155183	RIF1	replication fork	ENSG00000155183	119.8833	-0.35072	0.682877	-0.51359
ENSG000001714	C1QC	complement C1q	ENSG000001714	62.77889	1.219175	2.37404	0.513544
ENSG0000018985	PLOD3	procollagen 3	ENSG0000018985	21.49715	-0.64529	1.256854	-0.51342
ENSG0000019760	TOX	thymocyte	ENSG0000019760	6.337264	1.062706	2.070021	0.513379
ENSG00000179188	TMEM43	transmembrane protein 43	ENSG00000179188	73.88286	0.389581	0.758857	0.513378
ENSG0000013688	ITGB1	integrin subunit beta 1	ENSG0000013688	587.8512	0.268173	0.522397	0.513351
ENSG00000183440	ADPGK	ADP dependent	ENSG00000183440	29.17205	0.549598	1.070743	0.513286
ENSG0000010261434			ENSG0000010261434	14.49199	-0.78522	1.529863	-0.51326
ENSG00000110196	PRMT3	protein arginine methyltransferase 3	ENSG00000110196	22.60958	0.601672	1.172279	0.51325
ENSG00000155293	UEVLD	UEV and late	ENSG00000155293	28.31752	-0.56521	1.101629	-0.51307
ENSG0000015037	PEBP1	phosphatic	ENSG0000015037	343.3032	0.285189	0.555987	0.512942
ENSG0000010248971			ENSG0000010248971	12.68604	0.770158	1.501953	0.512771
ENSG0000012195	FAT1	FAT atypical	ENSG0000012195	244.7173	-0.29636	0.578328	-0.51244
ENSG00000180177	MYCT1	MYC target	ENSG00000180177	35.12154	-0.51814	1.01158	-0.51221
ENSG0000019980	DOP1B	DOP1 leucine	ENSG0000019980	45.15612	-0.51223	1.000082	-0.51219
ENSG0000011803	DPP4	dipeptidyl	ENSG0000011803	6.809252	-1.08169	2.112358	-0.51208
ENSG00000164283	ARHGEF28	Rho guanine	ENSG00000164283	6.809252	-1.08169	2.112358	-0.51208
ENSG00000125913	POT1	protection	ENSG00000125913	27.60843	0.553759	1.081576	0.511993
ENSG000001317648	NOP14-AS1	NOP14 antisense	ENSG000001317648	9.432591	-0.94723	1.850578	-0.51185
ENSG00000163934	ZNF667	zinc finger	ENSG00000163934	11.81961	-0.82868	1.619221	-0.51178
ENSG00000110026	PIGK	phosphatic	ENSG00000110026	39.51043	0.480777	0.939487	0.511744
ENSG0000015864	RAB3A	RAB3A, membrane	ENSG0000015864	9.526884	-0.95175	1.860176	-0.51165
ENSG0000010213700			ENSG0000010213700	4.107967	-1.40653	2.749536	-0.51155
ENSG00000126266	SLC13A4	solute carrier	ENSG00000126266	9.364716	-0.92547	1.809364	-0.51149
ENSG0000012495	FTH1	ferritin heavy	ENSG0000012495	14.35023	0.724574	1.417181	0.511278
ENSG000001146923	RUNDC1	RUN domain	ENSG000001146923	19.08751	-0.67337	1.317145	-0.51123
ENSG00000163929	XPNPEP3	X-prolyl aminopeptidase 3	ENSG00000163929	57.76604	-0.43364	0.84833	-0.51117
ENSG00000123355	VPS8	VPS8, CORVET	ENSG00000123355	126.0248	0.334597	0.655005	0.510832
ENSG0000011739	DLG1	discs large	ENSG0000011739	68.80606	-0.4058	0.794388	-0.51083
ENSG00000192249	LINC01278	long intergenic	ENSG00000192249	14.26822	-0.75988	1.487825	-0.51073
ENSG00000111243	PMF1	polyamine	ENSG00000111243	11.84223	-0.83451	1.634457	-0.51057
ENSG00000191750	LIN52	lin-52 DREXIN	ENSG00000191750	11.84223	-0.83451	1.634457	-0.51057
ENSG0000019103	FCGR2C	Fc fragment	ENSG0000019103	7.978829	0.938002	1.837321	0.510527
ENSG00000126043	UBXN7	UBX domain	ENSG00000126043	81.95402	-0.38102	0.746354	-0.51051
ENSG00000110630	PDPN	podoplanin	ENSG00000110630	18.98694	-0.66558	1.303779	-0.5105
ENSG00000151388	NIP7	NIP7, nuclear	ENSG00000151388	11.08344	0.815566	1.597904	0.510398
ENSG0000019726	ZNF646	zinc finger	ENSG0000019726	25.96948	-0.58221	1.140783	-0.51036
ENSG0000014256	MGP	matrix Gla	ENSG0000014256	169.4734	0.335894	0.658469	0.510113
ENSG00000179862	ZNF669	zinc finger	ENSG00000179862	4.068994	-1.39879	2.742929	-0.50996
ENSG00000179581	SLC52A2	solute carrier	ENSG00000179581	4.068994	-1.39879	2.742929	-0.50996
ENSG000001100874018	EPN2-AS1	EPN2 antisense	ENSG000001100874018	4.068994	-1.39879	2.742929	-0.50996
ENSG00000190987	ZNF251	zinc finger	ENSG00000190987	14.2745	-0.7671	1.504582	-0.50984
ENSG0000019943	OXSRL1	oxidative stress	ENSG0000019943	66.58121	-0.41006	0.80441	-0.50977

ENSG0000010807	ENTR1	endosome	ENSG0000015.85225	0.708922	1.390715	0.509754
ENSG0000015771	PTPN2	protein tyr	ENSG00000122.59323	0.598729	1.17553	0.509326
ENSG00000123642	SNHG1	small nucle	ENSG0000019.325743	-0.92181	1.810345	-0.50919
ENSG00000155812	SPATA7	spermatog	ENSG0000019.325743	-0.92181	1.810345	-0.50919
ENSG0000012686	GGT7	gamma-glu	ENSG0000019.325743	-0.92181	1.810345	-0.50919
ENSG00000110483	SEC23B	Sec23 hom	ENSG00000118.97059	-0.66731	1.311036	-0.509
ENSG000001112616	CMTM7	CKLF like M	ENSG0000016.398862	1.037514	2.038536	0.508951
ENSG0000018847	DLEU2	deleted in	ENSG0000016.398862	1.037514	2.038536	0.508951
ENSG0000016146	RPL22	ribosomal	ENSG000001113.6979	0.345077	0.678033	0.508938
ENSG0000017942	TFEB	transcripti	ENSG00000119.30383	0.635875	1.249947	0.508722
ENSG0000016484	ST3GAL4	ST3 beta-g	ENSG00000119.30383	0.635875	1.249947	0.508722
ENSG0000013428	IFI16	interferon	ENSG00000197.09077	0.42036	0.826535	0.508582
ENSG00000157669	EPB41L5	erythrocyt	ENSG00000139.24769	0.493934	0.971993	0.508166
ENSG00000151397	COMMMD1C	COMM dor	ENSG00000123.62143	-0.60273	1.186242	-0.5081
ENSG000001118980	SFXN2	sideroflexi	ENSG0000019.234459	0.943376	1.856704	0.508092
ENSG000001246184	CDC26	cell divisio	ENSG0000016.770279	-1.07683	2.119658	-0.50802
ENSG0000019836	LCMT2	leucine car	ENSG0000016.770279	-1.07683	2.119658	-0.50802
ENSG000001137886	UBXN2B	UBX domai	ENSG00000142.72569	0.482542	0.950092	0.50789
ENSG00000185440	DOCK7	dedicator c	ENSG00000139.60394	-0.48921	0.963398	-0.5078
ENSG0000019988	DMTF1	cyclin D bir	ENSG00000170.81342	-0.39736	0.7827	-0.50768
ENSG000001100996732	LOC100996	uncharacte	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010226862			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG000001642946	FLVCR1-DT	FLVCR1 div	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG000001375189	PFN4	profilin fan	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG00000110669	CGREF1	cell growth	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010227799			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000012016	EMX1	empty spir	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG000001285141	ERICH2	glutamate	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG00000110087401C	NLGN1-AS	NLGN1 ant	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG00000155214	P3H2	prolyl 3-hy	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010249216			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG000001441054	C4orf47	chromosor	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010233974			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010251682			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG00000156133	PCDHB2	protocadhe	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010234567			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG000001100507308	TARID	TCF21 anti	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010223414			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010227508			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010244556			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010254527			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010259953			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG000001389799	CFAP77	cilia and fl	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010271933			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010228061			ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG00000155199	FAM86C1	family with	ENSG0000011.283486	-2.41717	4.761481	-0.50765
ENSG0000010256973			ENSG0000011.283486	-2.41717	4.761481	-0.50765

ENSG00000180189			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000258824			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000274397			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000259585			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG0000085455	DISP2	dispatched	ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000259659			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG0000050506	DUOX2	dual oxidase	ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000145788	C15orf65	chromosome	ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000212664			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG000008128	ST8SIA2	ST8 alpha-	ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000276564			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000260953			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000261061			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000146760	RTN4RL1	reticulon 4	ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000263847			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000276097			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000267262			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000271095			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000267557			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG0000022974	TPX2	TPX2, micro	ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG0000084221	SPATC1L	spermatogoni	ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG00000273350			ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG0000084631	SLITRK2	SLIT and NRP	ENSG000001283486	-2.41717	4.761481	-0.50765
ENSG0000026003	GORASP2	golgi reassembly	ENSG0000042.94566	0.464336	0.91479	0.507587
ENSG00000124808	CCDC43	coiled-coil domain	ENSG0000021.00699	0.613204	1.208172	0.507547
ENSG000006782	HSPA13	heat shock protein	ENSG0000043.02361	0.462191	0.910843	0.507432
ENSG00000401152	C4orf3	chromosome	ENSG00000105.2575	0.348297	0.686496	0.507355
ENSG0000010274	STAG1	stromal antigen	ENSG0000068.62755	0.399031	0.786623	0.507271
ENSG00000229689			ENSG000006.909822	-1.10205	2.173125	-0.50713
ENSG00000283314	C1RL-AS1	C1RL antisense	ENSG000007.939857	0.941134	1.855979	0.507082
ENSG000007013	TERF1	telomeric repeat	ENSG0000023.62771	-0.60702	1.197172	-0.50704
ENSG0000057827	C6orf47	chromosome	ENSG0000024.33537	0.57989	1.144318	0.506756
ENSG000003547	IGSF1	immunoglobulin	ENSG000004.89684	1.1919	2.352543	0.506643
ENSG00000655	BMP7	bone morphogenetic	ENSG0000012.86233	2.275737	4.491963	0.506624
ENSG0000023140	ZZEF1	zinc finger	ENSG00000156.6951	-0.31966	0.631015	-0.50658
ENSG00000215	ABCD1	ATP binding domain	ENSG0000012.78661	0.756122	1.492673	0.506556
ENSG0000011129	CLASRP	CLK4 associated	ENSG0000018.99322	-0.67093	1.324544	-0.50654
ENSG0000081605	URM1	ubiquitin receptor	ENSG0000021.27339	-0.62799	1.239798	-0.50653
ENSG00000228423			ENSG000003.294247	1.557329	3.07566	0.50634
ENSG0000055223	TRIM62	tripartite motif	ENSG000003.294247	1.557329	3.07566	0.50634
ENSG00000123	PLIN2	perilipin 2	ENSG00000117.1757	-0.34338	0.678243	-0.50628
ENSG000005274	SERPINI1	serpin family	ENSG000009.581422	0.857234	1.69392	0.506065
ENSG0000084448	ABLIM2	actin binding	ENSG0000014.20663	-0.75235	1.487152	-0.5059
ENSG000009603	NFE2L3	nuclear factor	ENSG0000025.91416	-0.58182	1.150086	-0.50589
ENSG00000134145	FAM173B	family with	ENSG0000014.41182	0.714418	1.4125	0.505783
ENSG0000055660	PRPF40A	pre-mRNA	ENSG0000077.52551	0.378075	0.747737	0.505625
ENSG0000026018	LRIG1	leucine rich	ENSG00000110.7514	-0.3502	0.692628	-0.5056

ENSG0000019849	ZNF518A	zinc finger	ENSG00000156.79722	0.418223	0.827834	0.505201
ENSG0000018458	TTF2	transcription factor	ENSG00000116.05339	0.686156	1.358342	0.505143
ENSG0000016185	RPN2	ribophorin	ENSG000001114.0386	0.339305	0.671825	0.50505
ENSG00000110634	GAS2L1	growth arrest	ENSG0000016.353612	1.080065	2.138583	0.505038
ENSG0000018767	RIPK2	receptor in	ENSG0000019.542449	0.860085	1.703066	0.505022
ENSG00000154892	NCAPG2	non-SMC c	ENSG0000019.303118	-0.91431	1.810497	-0.505
ENSG0000010261799			ENSG0000019.303118	-0.91431	1.810497	-0.505
ENSG00000187178	PNPT1	polyribonu	ENSG00000127.73163	0.54357	1.076484	0.50495
ENSG00000110525	HYOU1	hypoxia up	ENSG00000186.55333	-0.37729	0.747303	-0.50487
ENSG000001101928578	RAP2C-AS1	RAP2C anti	ENSG0000019.403688	-0.92938	1.840988	-0.50483
ENSG00000183719	YPEL3	yippee like	ENSG00000124.38062	0.571458	1.132856	0.504441
ENSG0000012053	EPHX2	epoxide hy	ENSG00000121.31236	-0.62984	1.248885	-0.50432
ENSG0000017584	ZNF35	zinc finger	ENSG00000111.75801	-0.81972	1.625601	-0.50426
ENSG0000018548	BLZF1	basic leucir	ENSG00000119.36542	0.628468	1.246402	0.504225
ENSG00000127031	NPHP3	nephrocyst	ENSG0000016.747654	-1.06667	2.115461	-0.50422
ENSG00000193109	TMEM44	transmembr	ENSG0000016.747654	-1.06667	2.115461	-0.50422
ENSG00000157586	SYT13	synaptotag	ENSG0000016.747654	-1.06667	2.115461	-0.50422
ENSG00000127250	PDCD4	programm	ENSG00000150.80613	-0.44417	0.88095	-0.50419
ENSG00000155970	GNG12	G protein s	ENSG00000186.14438	0.367082	0.728158	0.504125
ENSG000001255403	ZNF718	zinc finger	ENSG00000114.18806	0.748082	1.483923	0.504124
ENSG00000110190	TXNDC9	thioredoxin	ENSG00000116.07602	0.679249	1.347419	0.504111
ENSG0000014898	NRDC	nardilysin	ENSG000001139.1301	-0.32734	0.649724	-0.50382
ENSG00000123065	EMC1	ER membr	ENSG00000168.48173	-0.39758	0.789146	-0.50381
ENSG0000015930	RBBP6	RB binding	ENSG00000166.25688	-0.40158	0.797765	-0.50338
ENSG0000011760	DMPK	DM1 prote	ENSG00000158.56826	0.411321	0.817256	0.503296
ENSG00000154529	ASNSD1	asparagine	ENSG00000141.28147	0.468273	0.930581	0.503205
ENSG00000151645	PPIL1	peptidylpro	ENSG00000154.66666	0.443483	0.881525	0.503086
ENSG0000019529	BAG5	BCL2 assoc	ENSG00000141.80616	-0.47613	0.946525	-0.50303
ENSG000001137902	PXDNL	peroxidasi	ENSG00000173.24948	-0.39699	0.789386	-0.50291
ENSG000001541471	MIR4435-2	MIR4435-2	ENSG00000120.99064	0.609951	1.213613	0.502591
ENSG0000014603	MYBL1	MYB proto	ENSG0000014.046369	-1.38241	2.750656	-0.50258
ENSG0000010170647			ENSG0000014.046369	-1.38241	2.750656	-0.50258
ENSG00000179922	MRM1	mitochond	ENSG0000014.046369	-1.38241	2.750656	-0.50258
ENSG000001115294	PCMTD1	protein-L-i	ENSG000001204.3842	0.303677	0.604287	0.502538
ENSG0000014055	LTBR	lymphotox	ENSG00000132.98719	-0.54292	1.08088	-0.5023
ENSG0000012581	GALC	galactosyl	ENSG00000134.45626	0.501237	0.998215	0.502133
ENSG000001100134229	KDM7A-DT	KDM7A div	ENSG0000016.46046	1.012887	2.018086	0.501905
ENSG0000019197	SLC33A1	solute carr	ENSG00000139.69523	0.470232	0.937059	0.501817
ENSG0000016041	RNASEL	ribonuclea	ENSG00000111.78064	-0.82553	1.645253	-0.50176
ENSG0000011759	DNM1	dynamamin 1	ENSG00000111.78064	-0.82553	1.645253	-0.50176
ENSG00000155958	KLHL9	kelch like f	ENSG00000137.20057	-0.49556	0.987694	-0.50174
ENSG00000127292	DIMT1	DIM1 dime	ENSG00000126.06744	0.55468	1.105566	0.501716
ENSG00000160684	TRAPPC11	trafficking	ENSG00000137.17795	-0.49369	0.984225	-0.50161
ENSG0000015321	PLA2G4A	phospholip	ENSG0000018.001454	0.921743	1.837625	0.501595
ENSG00000110243	GPHN	gephyrin	ENSG00000128.1717	-0.55484	1.106362	-0.5015
ENSG0000019592	IER2	immediate	ENSG00000111.77436	-0.81675	1.629147	-0.50134
ENSG0000018653	DDX3Y	DEAD-box	ENSG00000181.685	-0.37449	0.747149	-0.50123

ENSG00000123604	DAPK2	death asso	ENSG00000161.88512	-0.41204	0.822645	-0.50087
ENSG0000018241	RBM10	RNA bindir	ENSG00000130.55872	-0.54274	1.083845	-0.50076
ENSG000001283991	UBALD2	UBA like d	ENSG0000019.264145	-0.91062	1.818578	-0.50073
ENSG00000154808	DYM	dymeclin	ENSG00000160.33302	0.406889	0.81312	0.500404
ENSG00000110229	COQ7	coenzyme	ENSG00000137.87894	0.48832	0.975986	0.500335
ENSG00000123598	PATZ1	POZ/BTB a	ENSG00000116.65524	-0.70591	1.411081	-0.50026
ENSG00000180012	PHC3	polyhomec	ENSG000001162.8869	-0.31173	0.623409	-0.50004
ENSG000001157638	FAM84B	family with	ENSG00000121.17282	-0.62102	1.242785	-0.4997
ENSG00000122913	RALY	RALY heter	ENSG00000161.92554	0.405449	0.811477	0.499644
ENSG000001847	CAT	catalase	ENSG00000198.46122	0.349901	0.700351	0.499608
ENSG0000019044	BTAF1	B-TFIID TA	ENSG00000177.6011	-0.39122	0.783106	-0.49957
ENSG000001147657	ZNF480	zinc finger	ENSG00000129.48004	0.525549	1.052283	0.499437
ENSG0000013837	KPNB1	karyopheri	ENSG000001224.2415	0.29073	0.582185	0.499377
ENSG00000154797	MED18	mediator c	ENSG0000019.558797	0.869806	1.741949	0.499329
ENSG00000110236	HNRNPR	heterogen	ENSG000001117.0136	-0.34086	0.68265	-0.49932
ENSG0000010257027			ENSG0000019.604047	0.844302	1.690982	0.499297
ENSG000001112869	SGF29	SAGA com	ENSG0000019.604047	0.844302	1.690982	0.499297
ENSG00000157215	THAP11	THAP dom	ENSG0000019.604047	0.844302	1.690982	0.499297
ENSG0000011912	PHC2	polyhomec	ENSG000001147.9044	0.332039	0.665136	0.499205
ENSG00000155924	INKA2	inka box ac	ENSG00000166.83768	0.409545	0.82058	0.499091
ENSG0000019758	FRMPD4	FERM and	ENSG0000016.786627	-1.07179	2.1483	-0.4989
ENSG0000019643	MORF4L2	mortality f	ENSG000001105.5265	0.342312	0.68627	0.498801
ENSG00000157159	TRIM54	tripartite r	ENSG000001130.2307	-0.3306	0.663086	-0.49858
ENSG00000181542	TMX1	thioredoxin	ENSG00000132.89264	0.502384	1.007973	0.49841
ENSG00000123253	ANKRD12	ankyrin re	ENSG000001133.1542	0.326157	0.654704	0.498175
ENSG000001377	ARF3	ADP ribosy	ENSG00000148.1909	0.439817	0.883004	0.498092
ENSG0000014967	OGDH	oxoglutar	ENSG000001700.1914	-0.26247	0.527026	-0.49801
ENSG00000181572	PDRG1	p53 and D	ENSG0000014.981063	1.128608	2.266544	0.497942
ENSG0000010241990			ENSG0000014.981063	1.128608	2.266544	0.497942
ENSG00000156654	NPDC1	neural prol	ENSG00000114.184	-0.74743	1.50213	-0.49758
ENSG0000011947	EFNB1	ephrin B1	ENSG00000118.82477	-0.65208	1.310717	-0.4975
ENSG00000164927	TTC23	tetratricop	ENSG00000123.48189	-0.59471	1.195472	-0.49746
ENSG00000180347	COASY	Coenzyme	ENSG00000123.48189	-0.59471	1.195472	-0.49746
ENSG00000122809	ATF5	activating t	ENSG0000016.708681	-1.06172	2.13436	-0.49744
ENSG00000164135	IFIH1	interferon	ENSG00000116.11499	0.677074	1.36226	0.497022
ENSG00000154536	EXOC6	exocyst co	ENSG00000126.14538	0.551623	1.110232	0.496854
ENSG000001642273	FAM110C	family with	ENSG0000014.007396	-1.37458	2.768313	-0.49654
ENSG00000123314	SATB2	SATB hom	ENSG0000014.007396	-1.37458	2.768313	-0.49654
ENSG0000014974	OMG	oligodendr	ENSG0000014.007396	-1.37458	2.768313	-0.49654
ENSG00000157418	WDR18	WD repeat	ENSG0000014.007396	-1.37458	2.768313	-0.49654
ENSG00000179048	SECISBP2	SECIS bindi	ENSG00000159.67911	-0.42131	0.84869	-0.49643
ENSG000001254102	EHBP1L1	EH domain	ENSG000001151.779	-0.31408	0.632725	-0.49639
ENSG00000180823	BHLHB9	basic helix-	ENSG00000111.69641	-0.81069	1.633282	-0.49636
ENSG00000180704	SLC19A3	solute carr	ENSG0000017.701963	-2.44187	4.921249	-0.49619
ENSG00000110134	BCAP31	B cell rece	ENSG00000151.7267	0.425255	0.857446	0.495956
ENSG0000011788	DNMT3A	DNA meth	ENSG00000130.29598	-0.5289	1.066479	-0.49593
ENSG0000011967	EIF2B1	eukaryotic	ENSG00000129.54164	0.5208	1.050164	0.495922

ENSG00000184307	ZNF397	zinc finger	ENSG00000139362	-0.47884	0.965569	-0.49591
ENSG0000019583	ENTPD4	ectonucleoside diphosphate	ENSG00000177704	0.374166	0.754712	0.495774
ENSG000001100289019	SLC25A25	SLC25A25	ENSG00000166805	-1.05149	2.121096	-0.49573
ENSG000001400657	LINC00909	long intergenic non-coding RNA	ENSG00000166805	-1.05149	2.121096	-0.49573
ENSG000001113402	SFT2D1	SFT2 domain containing	ENSG00000112708	0.761414	1.537224	0.495317
ENSG000001204851	HIPK1	homeodomain protein	ENSG00000115612	-0.31155	0.629174	-0.49517
ENSG00000123635	SSBP2	single strand binding protein	ENSG00000156988	0.408708	0.82552	0.495091
ENSG00000151649	MRPS23	mitochondrial ribosomal protein	ENSG00000167343	0.389751	0.787566	0.49488
ENSG00000179109	MAPKAP1	mitogen-activated protein kinase	ENSG00000190309	-0.35831	0.724198	-0.49477
ENSG00000193587	TRMT10A	tRNA methyltransferase	ENSG00000180630	0.902659	1.825056	0.494593
ENSG0000013007	HIST1H1D	histone cluster 1	ENSG00000180630	0.902659	1.825056	0.494593
ENSG000001113	ADCY7	adenylate cyclase	ENSG00000180630	0.902659	1.825056	0.494593
ENSG00000154555	DDX49	DEAD-box protein	ENSG00000180630	0.902659	1.825056	0.494593
ENSG0000012775	GNAO1	G protein subunit	ENSG00000121821	-0.67061	1.356365	-0.49441
ENSG0000017011	TEP1	telomerase protein	ENSG00000149653	0.445131	0.900622	0.494248
ENSG00000155230	USP40	ubiquitin-specific protease	ENSG00000132559	-0.51258	1.037408	-0.49409
ENSG0000017466	WFS1	wolframin	ENSG00000153618	-0.45633	0.924327	-0.49369
ENSG00000151295	ECSIT	ECSIT signaling protein	ENSG00000158707	0.407217	0.824927	0.49364
ENSG0000015602	MAPK10	mitogen-activated protein kinase	ENSG00000111268	0.775604	1.57214	0.493343
ENSG00000154535	CCHCR1	coiled-coil domain protein	ENSG00000167250	-1.05652	2.141716	-0.49331
ENSG000001859	CAV3	caveolin 3	ENSG00000117824	0.636331	1.290068	0.493254
ENSG00000123036	ZNF292	zinc finger	ENSG00000111662	-0.33296	0.675082	-0.49321
ENSG00000110327	AKR1A1	aldo-keto reductase	ENSG00000114151	-0.75195	1.524857	-0.49313
ENSG0000019519	TBPL1	TATA-box binding protein	ENSG00000114535	0.694312	1.408203	0.493048
ENSG0000016142	RPL18A	ribosomal protein	ENSG00000177330	0.381765	0.774319	0.493033
ENSG00000111092	SPACA9	sperm associated calcium-binding	ENSG00000165220	0.988707	2.005422	0.493017
ENSG0000010229152			ENSG00000165220	0.988707	2.005422	0.493017
ENSG00000122821	RASA3	RAS p21 protein	ENSG00000121088	-0.61246	1.242293	-0.49301
ENSG000001206358	SLC36A1	solute carrier	ENSG00000120951	0.612009	1.241606	0.492917
ENSG00000155161	TMEM33	transmembrane protein	ENSG00000162249	0.394883	0.80119	0.49287
ENSG0000015414	SEPT4	septin 4	ENSG00000143052	0.456889	0.927259	0.492731
ENSG0000010230092			ENSG00000134626	1.349344	2.739024	0.492637
ENSG000001729582	DIRC3	disrupted in renal cancer	ENSG00000134626	1.349344	2.739024	0.492637
ENSG00000191937	TIMD4	T cell immune protein	ENSG00000134626	1.349344	2.739024	0.492637
ENSG000001730101	LOC730101	uncharacterized protein	ENSG00000134626	1.349344	2.739024	0.492637
ENSG00000123616	SH3BP1	SH3 domain protein	ENSG00000134626	1.349344	2.739024	0.492637
ENSG0000018379	MAD1L1	mitotic arrest protein	ENSG00000111719	-0.81647	1.657495	-0.49259
ENSG00000150507	NOX4	NADPH oxidase	ENSG00000196656	0.828714	1.682703	0.49249
ENSG0000010226015			ENSG00000139847	-1.35795	2.75751	-0.49245
ENSG0000010231731			ENSG00000139847	-1.35795	2.75751	-0.49245
ENSG0000019254	CACNA2D2	calcium voltage-gated	ENSG00000139847	-1.35795	2.75751	-0.49245
ENSG000001115708	TRMT61A	tRNA methyltransferase	ENSG00000139847	-1.35795	2.75751	-0.49245
ENSG000001646278	PDCD6IP2	PDCD6IP protein	ENSG00000139847	-1.35795	2.75751	-0.49245
ENSG0000012670	GFAP	glial fibrillary acidic protein	ENSG00000139847	-1.35795	2.75751	-0.49245
ENSG0000010223704			ENSG00000139847	-1.35795	2.75751	-0.49245
ENSG00000123551	RASD2	RAS domain protein	ENSG00000139847	-1.35795	2.75751	-0.49245
ENSG00000157508	INTS2	integrator subunit	ENSG00000127970	-0.544	1.104755	-0.49242

ENSG0000018839	WISP2	WNT1 indu	ENSG0000016.16024	0.663418	1.347268	0.492417
ENSG00000111332	ACOT7	acyl-CoA th	ENSG0000016.499433	1.00933	2.049919	0.492375
ENSG000001105373979	LINC01880	long interg	ENSG0000016.499433	1.00933	2.049919	0.492375
ENSG0000013831	KLC1	kinesin lig	ENSG00000132.5887	-0.51771	1.05152	-0.49235
ENSG00000155605	KIF21A	kinesin fan	ENSG000001122.249	-0.34865	0.708745	-0.49192
ENSG00000179155	TNIP2	TNFAIP3 in	ENSG00000123.42029	-0.58999	1.199554	-0.49184
ENSG000001374986	MIGA1	mitoguardi	ENSG00000141.59874	-0.46628	0.948736	-0.49148
ENSG000001404093	CUEDC1	CUE domai	ENSG00000137.0095	-0.48382	0.984641	-0.49136
ENSG0000014830	NME1	NME/NM2	ENSG0000014.673074	1.306697	2.661485	0.490965
ENSG0000018674	VAMP4	vesicle ass	ENSG00000121.17543	0.589702	1.201173	0.490938
ENSG0000014501	MT1X	metallothi	ENSG00000125.81359	-0.57582	1.172945	-0.49092
ENSG0000019920	KBTBD11	kelch repe	ENSG00000116.19921	0.661333	1.347161	0.490909
ENSG0000014351	MPI	mannose p	ENSG00000161.82248	0.414671	0.844852	0.490821
ENSG0000014722	NDUFS3	NADH:ubic	ENSG00000160.56306	0.397156	0.809193	0.490805
ENSG00000110645	CAMKK2	calcium/ca	ENSG00000134.69638	0.489333	0.997359	0.490629
ENSG00000155856	ACOT13	acyl-CoA th	ENSG00000124.54279	0.558289	1.138885	0.490206
ENSG000001286336	FAM78A	family with	ENSG00000139.66632	0.475956	0.971043	0.490149
ENSG00000164979	MRPL36	mitochond	ENSG0000019.218895	-0.89549	1.82706	-0.49012
ENSG0000019013	TAF1C	TATA-box k	ENSG00000116.3925	-0.6816	1.390688	-0.49012
ENSG00000155209	SETD5	SET domai	ENSG000001153.6569	-0.30929	0.631136	-0.49006
ENSG00000164324	NSD1	nuclear rec	ENSG000001169.6759	-0.31049	0.633695	-0.48997
ENSG000001284349	ZNF283	zinc finger	ENSG00000126.25223	0.538548	1.09944	0.489838
ENSG00000151126	NAA20	N(alpha)-a	ENSG00000122.8786	0.572076	1.168506	0.489579
ENSG00000179003	MIS12	MIS12, kin	ENSG00000114.02183	-0.72957	1.490291	-0.48955
ENSG0000018997	KALRN	kalirin Rho	ENSG00000197.2715	-0.36059	0.736587	-0.48954
ENSG000001163131	ZNF780B	zinc finger	ENSG00000143.76199	-0.454	0.927511	-0.48948
ENSG00000193550	ZFAND4	zinc finger	ENSG00000118.7858	-0.64996	1.327912	-0.48946
ENSG00000190627	STARD13	StAR relate	ENSG00000175.34486	-0.38943	0.796116	-0.48917
ENSG00000164750	SMURF2	SMAD spec	ENSG00000141.60581	0.452651	0.925441	0.489119
ENSG00000110566	AKAP3	A-kinase ar	ENSG0000013.501666	1.345974	2.751932	0.489101
ENSG000001221035	REEP3	receptor ac	ENSG00000161.47656	-0.39997	0.817791	-0.48909
ENSG000001145748	LYSMD4	LysM dom	ENSG00000114.06081	-0.73216	1.497291	-0.48899
ENSG000001223082	ZNRF2	zinc and rir	ENSG00000111.10607	0.80549	1.64755	0.488902
ENSG00000122905	EPN2	epsin 2	ENSG00000152.9015	-0.43119	0.882041	-0.48885
ENSG00000127102	EIF2AK1	eukaryotic	ENSG00000169.21463	0.381891	0.781575	0.488617
ENSG000001253959	RALGAPA1	Ral GTPase	ENSG000001101.0801	-0.34254	0.70119	-0.48851
ENSG00000151019	WASHC3	WASH com	ENSG00000122.90122	0.567569	1.16212	0.488391
ENSG0000014257	MGST1	microsoma	ENSG00000130.49333	-0.54598	1.117929	-0.48838
ENSG00000184316	NAA38	N(alpha)-a	ENSG00000119.51124	0.608312	1.245878	0.48826
ENSG00000180020	FOXRED2	FAD depen	ENSG00000119.51124	0.608312	1.245878	0.48826
ENSG0000019793	CKAP5	cytoskelet	ENSG000001165.7579	-0.31758	0.650484	-0.48822
ENSG0000015074	PAWR	pro-apopt	ENSG00000121.027	-0.60725	1.244102	-0.4881
ENSG00000157214	CEMIP	cell migrat	ENSG00000111.63482	-0.80159	1.642357	-0.48808
ENSG00000163874	ABHD4	abhydrolas	ENSG00000123.35242	-0.5809	1.190188	-0.48807
ENSG00000179961	DENND2D	DENN dom	ENSG00000114.10161	2.158592	4.423209	0.488015
ENSG0000011736	DKC1	dyskerin p	ENSG00000126.21326	0.540075	1.106786	0.487967
ENSG000001550112	UBA6-AS1	UBA6 antis	ENSG0000013.524292	1.29951	2.664581	0.487698



ENSG0000010219	KLRG1	killer cell le	ENSG000003524292	1.29951	2.664581	0.487698
ENSG0000023026	MYO16	myosin XVI	ENSG000003524292	1.29951	2.664581	0.487698
ENSG00000100288637	LOC100288	OTU deubi	ENSG000003524292	1.29951	2.664581	0.487698
ENSG00000145773	FAM81A	family with	ENSG000003524292	1.29951	2.664581	0.487698
ENSG0000011184	MAP4K1	mitogen-act	ENSG000003524292	1.29951	2.664581	0.487698
ENSG00000160313	GPBP1L1	GC-rich prc	ENSG00000156.6265	0.303954	0.623251	0.48769
ENSG00000164743	WDR13	WD repeat	ENSG0000048.11112	-0.43431	0.89138	-0.48723
ENSG0000014716	NDUFB10	NADH:ubiqu	ENSG00000163.8627	0.323787	0.664558	0.487222
ENSG00000155830	GLT8D1	glycosyltra	ENSG0000022.86225	0.569234	1.168352	0.487211
ENSG00000110402	ST3GAL6	ST3 beta-g	ENSG0000048.53786	0.424509	0.871635	0.487025
ENSG0000012027	ENO3	enolase 3	ENSG00000261.0874	0.315072	0.647032	0.486949
ENSG00000184311	MRPL45	mitochond	ENSG0000021.10494	-0.61095	1.254798	-0.48689
ENSG00000147906	DACT3	dishevellec	ENSG000006.663431	-1.04116	2.138638	-0.48683
ENSG00000151507	RTF2	replication	ENSG0000056.99836	0.411474	0.845245	0.486811
ENSG000001808	CALM3	calmodulin	ENSG00000163.5407	0.353139	0.725632	0.486665
ENSG00000111269	DDX19B	DEAD-box	ENSG000006.624458	-1.03617	2.129366	-0.48661
ENSG000001684	BST2	bone marri	ENSG0000026.2912	0.537034	1.103668	0.48659
ENSG0000016809	STX3	syntaxin 3	ENSG0000038.13788	0.466171	0.958152	0.486532
ENSG00000154850	FBXL12	F-box and	ENSG000008.12465	0.883831	1.817502	0.486289
ENSG00000166036	MTMR9	myotubula	ENSG0000048.28964	-0.43957	0.904054	-0.48622
ENSG000001284454	LOC284454	uncharacte	ENSG000008.102025	0.89939	1.850099	0.486131
ENSG00000127125	AFF4	AF4/FMR2	ENSG00000210.1554	-0.28738	0.591304	-0.48601
ENSG00000151421	AMOTL2	angiomotir	ENSG0000059.19012	-0.40259	0.828372	-0.486
ENSG00000180034	CSRNP3	cysteine ar	ENSG0000011.69014	-0.80179	1.650047	-0.48592
ENSG00000157217	TTC7A	tetratricop	ENSG0000014.59662	0.684344	1.408474	0.485876
ENSG00000151102	MECR	mitochond	ENSG0000017.84078	0.640239	1.318585	0.48555
ENSG00000122954	TRIM32	tripartite n	ENSG0000018.67895	-0.63666	1.311527	-0.48544
ENSG000001664	BNIP3	BCL2 inter	ENSG00000139.6891	0.332783	0.685681	0.485332
ENSG0000015700	PSMC1	proteasom	ENSG0000031.34537	0.505426	1.042212	0.484955
ENSG00000184823	LMNB2	lamin B2	ENSG0000011.58956	-0.78947	1.628225	-0.48486
ENSG00000164949	MRPS26	mitochond	ENSG0000011.58956	-0.78947	1.628225	-0.48486
ENSG0000011147	CHUK	conserved	ENSG0000028.00064	0.519848	1.072167	0.484858
ENSG0000016631	SNRPC	small nucle	ENSG0000046.7731	0.430568	0.888035	0.484855
ENSG0000013094	HINT1	histidine tr	ENSG0000048.45992	0.4265	0.880243	0.484525
ENSG00000110005	ACOT8	acyl-CoA th	ENSG0000013.98286	-0.72697	1.500845	-0.48437
ENSG00000193210	PGAP3	post-GPI at	ENSG000009.157297	-0.88406	1.825804	-0.48421
ENSG0000016627	SNRPA1	small nucle	ENSG0000016.33091	-0.67498	1.394715	-0.48396
ENSG0000010228150			ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG0000010234614			ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG000001100506286	TBC1D8-A5	TBC1 dom	ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG00000183879	CDCA7	cell divisio	ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG000001151126	ZNF385B	zinc finger	ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG000001440934	LOC440934	uncharacte	ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG0000010227304			ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG000001285668	C5orf64	chromosom	ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG0000010250045			ENSG000001.345084	-2.48334	5.132147	-0.48388
ENSG000001387082	SUMO4	small ubiqu	ENSG000001.345084	-2.48334	5.132147	-0.48388

ENSG000001271344			ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001392197	USP17L7	ubiquitin s	ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG00000151050	PI15	peptidase i	ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001277575			ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001224825			ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001144195	SLC2A14	solute carr	ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001276417			ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001276691			ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001237766			ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001236803			ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001256369	CCDC197	coiled-coil	ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001321	APBA2	amyloid be	ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001262902			ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001352909	DNAAF3	dynein axo	ENSG000001345084	-2.48334	5.132147	-0.48388
ENSG000001361	AQP4	aquaporin	ENSG0000012578586	0.591619	1.222681	0.48387
ENSG00000155316	RSAD1	radical S-ac	ENSG0000013911115	-0.46617	0.963545	-0.4838
ENSG0000014927	NUP88	nucleopori	ENSG0000012968746	0.508035	1.050309	0.4837
ENSG00000165095	KRI1	KRI1 homo	ENSG0000011396023	-0.7219	1.493114	-0.48349
ENSG00000165108	MARCKSL1	MARCKS lil	ENSG0000011174166	-0.82188	1.700009	-0.48346
ENSG00000164080	RBKS	ribokinase	ENSG0000015042661	1.096078	2.267465	0.483394
ENSG00000156849	TCEAL7	transcripti	ENSG0000015042661	1.096078	2.267465	0.483394
ENSG00000179057	PRRG3	proline ric	ENSG0000015042661	1.096078	2.267465	0.483394
ENSG00000123660	ZKSCAN5	zinc finger	ENSG0000012296282	0.561415	1.161732	0.483257
ENSG00000164112	MOAP1	modulator	ENSG0000015920646	-0.40224	0.832498	-0.48318
ENSG00000181552	VOPP1	VOPP1, WE	ENSG0000012119806	0.584817	1.210644	0.483063
ENSG00000178994	PRR14	proline ric	ENSG0000019118324	-0.88033	1.823593	-0.48274
ENSG000001284307	ZIK1	zinc finger	ENSG0000019118324	-0.88033	1.823593	-0.48274
ENSG000001661	POLR3D	RNA polym	ENSG0000012332979	-0.57786	1.197188	-0.48268
ENSG00000125901	CCDC28A	coiled-coil	ENSG0000016583656	0.96489	1.99989	0.482472
ENSG00000180019	UBTD1	ubiquitin d	ENSG0000016583656	0.96489	1.99989	0.482472
ENSG00000155735	DNAJC11	DnaJ heat s	ENSG0000015049186	-0.43109	0.893542	-0.48245
ENSG00000192822	ZNF276	zinc finger	ENSG0000019140949	-0.88792	1.840882	-0.48233
ENSG0000019289	ADGRG1	adhesion G	ENSG0000014610625	-0.45467	0.942871	-0.48222
ENSG0000014437	MSH3	mutS hom	ENSG0000011885747	-0.64883	1.345738	-0.48214
ENSG00000154957	TXNL4B	thioredoxin	ENSG0000019565074	0.847978	1.758913	0.482104
ENSG00000154872	PIGG	phosphatic	ENSG0000012327447	-0.57753	1.198057	-0.48205
ENSG00000165980	BRD9	bromodorr	ENSG0000012796167	0.521329	1.081486	0.482049
ENSG00000157727	NCOA5	nuclear rec	ENSG0000012325184	-0.57448	1.191903	-0.48199
ENSG000001412	STS	steroid sul	ENSG0000012325184	-0.57448	1.191903	-0.48199
ENSG0000017593	MZF1	myeloid zir	ENSG0000011400549	-0.73189	1.519458	-0.48168
ENSG0000019626	GUCA1C	guanylate c	ENSG0000013945798	-1.34986	2.802489	-0.48167
ENSG00000155374	TMCO6	transmeml	ENSG0000013945798	-1.34986	2.802489	-0.48167
ENSG0000014815	NINJ2	ninjurin 2	ENSG0000013945798	-1.34986	2.802489	-0.48167
ENSG000001388335	TMEM220	transmeml	ENSG0000013945798	-1.34986	2.802489	-0.48167
ENSG0000018526	DGKE	diacylglyce	ENSG0000011461924	0.67667	1.40518	0.481554
ENSG00000183693	HSDL1	hydroxyste	ENSG0000013473535	0.487922	1.013451	0.481446
ENSG00000151170	HSD17B11	hydroxyste	ENSG0000012958689	0.514255	1.068335	0.481361

ENSG00000127147	DENND2A	DENN domain	ENSG0000012571681	-0.56122	1.165959	-0.48134
ENSG000001224822			ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG00000190956	ADCK2	aarF domain	ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG000001119016	AGAP4	ArfGAP with	ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG00000179080	CCDC86	coiled-coil	ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG0000010279765			ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG00000129800	ZDHHC1	zinc finger	ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG00000154785	BORCS6	BLOC-1 related	ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG000001125476	INO80C	INO80 complex	ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG00000151690	LSM7	LSM7 homolog	ENSG0000013923173	-1.3331	2.769864	-0.48129
ENSG00000190427	BMF	Bcl2 modifier	ENSG0000019503476	0.864317	1.796216	0.481187
ENSG0000013479	IGF1	insulin like	ENSG0000014030021	-1.38966	2.888601	-0.48108
ENSG0000014690	NCK1	NCK adaptor	ENSG0000012101065	-0.60868	1.266312	-0.48067
ENSG0000016944	VPS72	vacuolar protein	ENSG0000012125338	0.586069	1.220293	0.480269
ENSG0000019334	B4GALT5	beta-1,4-galactosyl	ENSG0000011249186	-0.31904	0.664333	-0.48024
ENSG0000015916	RARG	retinoic acid	ENSG0000019257867	-0.89968	1.873396	-0.48024
ENSG0000015432	POLR2C	RNA polymerase	ENSG0000014842095	0.427564	0.890697	0.480033
ENSG000001246269	AFG1L	AFG1 like	ENSG0000016601833	-1.02567	2.137923	-0.47975
ENSG00000184465	MEGF11	multiple EGF	ENSG0000016601833	-1.02567	2.137923	-0.47975
ENSG0000013033	HADH	hydroxyacyl	ENSG0000011457406	-0.32316	0.673674	-0.4797
ENSG00000154815	GATAD2A	GATA zinc	ENSG0000013456088	-0.48627	1.013716	-0.47969
ENSG00000110658	CELF1	CUGBP Elav	ENSG0000011597318	-0.30051	0.626536	-0.47964
ENSG0000019513	FXR2	FMR1 auto	ENSG0000011120623	-0.33226	0.692734	-0.47964
ENSG000001151903	CCDC12	coiled-coil	ENSG0000011393761	-0.71677	1.495962	-0.47914
ENSG00000110010	TANK	TRAF family	ENSG0000015167138	0.425692	0.888466	0.479131
ENSG00000157486	NLN	neurolysin	ENSG0000011933652	0.642014	1.341152	0.478703
ENSG00000123317	DNAJC13	DnaJ heat	ENSG000001118234	-0.32191	0.672578	-0.47862
ENSG0000012287	FKBP3	FK506 bind	ENSG0000014524846	0.427816	0.894124	0.478476
ENSG000001126321	MFSD12	major facilitator	ENSG0000011139143	0.749561	1.568316	0.47794
ENSG00000184991	RBM17	RNA binding	ENSG0000016561827	-0.38294	0.801354	-0.47787
ENSG000001951	CD37	CD37 molecule	ENSG000001968827	0.816334	1.708498	0.477808
ENSG0000010260401			ENSG0000019095699	-0.87257	1.826213	-0.47781
ENSG00000110050693C	LINC00665	long intergenic	ENSG0000019095699	-0.87257	1.826213	-0.47781
ENSG0000016453	ITSN1	intersectin	ENSG0000019395516	0.338544	0.708702	0.477696
ENSG000001219931	TPCN2	two pore	ENSG0000011626931	-0.66833	1.399522	-0.47754
ENSG00000155146	ZDHHC4	zinc finger	ENSG0000011135246	0.752198	1.576898	0.477011
ENSG00000184844	PHF5A	PHD finger	ENSG0000011135246	0.752198	1.576898	0.477011
ENSG00000110392	NOD1	nucleotide	ENSG0000012092642	-0.60013	1.258118	-0.47701
ENSG00000111145	PLA2G16	phospholipase	ENSG0000015903842	0.393989	0.826084	0.476935
ENSG00000183608	C18orf21	chromosome	ENSG000001656286	-1.02067	2.14047	-0.47684
ENSG00000151661	FKBP7	FK506 bind	ENSG0000018186248	0.865216	1.814541	0.476824
ENSG0000012254	FGF9	fibroblast	ENSG0000018186248	0.865216	1.814541	0.476824
ENSG0000017917	BAG6	BCL2 assoc	ENSG0000011704576	-0.29418	0.616991	-0.4768
ENSG00000157563	KLHL8	kelch like	ENSG0000013659689	0.463089	0.97204	0.476409
ENSG00000154434	SSH1	slingshot	ENSG0000017676894	-0.36639	0.769101	-0.47638
ENSG00000164426	SUDS3	SDS3 homolog	ENSG0000015236975	-0.41269	0.866453	-0.4763
ENSG0000017172	TPMT	thiopurine	ENSG0000012136023	0.569753	1.196754	0.476082

ENSG0000016242	RTKN	rhotekin	ENSG0000019788	0.798002	1.676354	0.476034
ENSG00000193986	FOXP2	forkhead box P2	ENSG0000019788	0.798002	1.676354	0.476034
ENSG0000016883	TAF12	TATA-box binding protein 12	ENSG0000016322	0.643563	1.352148	0.475956
ENSG0000012582	GALE	UDP-galactose 4-epimerase	ENSG0000013585	1.251694	2.629986	0.475932
ENSG0000019429	ABCG2	ATP binding cassette subfamily G member 2	ENSG0000013585	1.251694	2.629986	0.475932
ENSG00000110857	LINP1	lincRNA in polycomb target cluster 1	ENSG0000013585	1.251694	2.629986	0.475932
ENSG00000272368			ENSG0000013585	1.251694	2.629986	0.475932
ENSG000001387882	C12orf75	chromosome 12 open reading frame 75	ENSG0000013585	1.251694	2.629986	0.475932
ENSG00000164978	MRPL38	mitochondrial ribosomal protein L38	ENSG0000013585	1.251694	2.629986	0.475932
ENSG000001400673	VMAC	vimentin tyrosine phosphorylation-inducible	ENSG0000013585	1.251694	2.629986	0.475932
ENSG000001127700	OSCP1	organic solvent-inducible protein 1	ENSG0000015003	1.099938	2.311489	0.475857
ENSG00000179622	SNRNP25	small nuclear ribonucleoprotein B25	ENSG0000012545	-0.54491	1.145267	-0.47579
ENSG00000155027	HEATR3	HEAT repeat domain containing 3	ENSG0000014680	0.666831	1.401603	0.475763
ENSG00000179869	CPSF7	cleavage factor subunit 7	ENSG0000015244	-0.41831	0.87927	-0.47574
ENSG0000011861	TOR1A	torsin family class A member 1	ENSG0000016291	-0.67259	1.41457	-0.47547
ENSG0000011983	EIF5	eukaryotic translation initiation factor 5	ENSG0000018654	0.292504	0.615241	0.47543
ENSG000001132	ADK	adenosine deaminase	ENSG0000012316	-0.56663	1.19185	-0.47542
ENSG00000184679	SLC9A7	solute carrier family 9 member 7	ENSG0000012984	0.497285	1.0468	0.475053
ENSG0000018663	EIF3C	eukaryotic translation initiation factor 3 subunit C	ENSG0000016561	0.984578	2.074486	0.474613
ENSG0000012665	GDI2	GDP dissociation inhibitor 2	ENSG0000011237	0.312757	0.659058	0.474551
ENSG00000180258	EFHC2	EF-hand domain containing 2	ENSG0000011798	0.618286	1.303283	0.474407
ENSG00000110478	SLC25A17	solute carrier family 25 member 17	ENSG0000019056	-0.86882	1.831419	-0.4744
ENSG00000264538			ENSG0000014580	0.679113	1.431844	0.474292
ENSG00000110695	CNPY3	canopy family class 3 member	ENSG0000011969	0.586597	1.237078	0.47418
ENSG00000157472	CNOT6	CCR4-NOT complex subunit 6	ENSG0000013222	-0.49302	1.039755	-0.47417
ENSG0000015431	POLR2B	RNA polymerase II subunit B	ENSG0000011131	0.321273	0.677551	0.474168
ENSG000001199974	CYP4Z1	cytochrome P4Z1	ENSG0000014942	1.133426	2.390722	0.474093
ENSG00000110536	P3H3	prolyl 3-hydroxylase	ENSG0000016585	-1.03089	2.174639	-0.47405
ENSG00000155323	LARP6	La ribonucleoprotein 6	ENSG0000014384	-0.46258	0.975986	-0.47397
ENSG0000015504	PPP1R2	protein phosphatase 1 regulatory subunit 2	ENSG0000016266	0.378902	0.799528	0.473907
ENSG00000184223	IQCG	IQ motif containing	ENSG0000014635	0.681796	1.43897	0.473808
ENSG00000130968	STOML2	stomatin like protein 2	ENSG0000015387	0.405117	0.855765	0.473398
ENSG0000013675	ITGA3	integrin subunit alpha 3	ENSG0000013328	0.474231	1.001867	0.473348
ENSG00000151250	C6orf203	chromosome 6 open reading frame 203	ENSG0000011305	0.701758	1.482752	0.473281
ENSG00000155683	KANSL3	KAT8 regulatory subunit 3	ENSG0000019622	-0.33753	0.71327	-0.47321
ENSG0000013566	IL4R	interleukin 4 receptor	ENSG0000013834	0.452863	0.957215	0.473105
ENSG0000012342	FNTB	farnesyltransferase B	ENSG0000011455	0.698969	1.47788	0.472954
ENSG000001158866	ZDHHC15	zinc finger domain containing 15	ENSG0000016702	-1.04698	2.215053	-0.47267
ENSG0000018239	USP9X	ubiquitin specific protease 9X	ENSG0000013063	0.266266	0.563638	0.472406
ENSG00000191612	CHURC1	churchill domain containing 1	ENSG0000017638	0.364556	0.771897	0.472285
ENSG00000183759	RBM4B	RNA binding motif protein 4B	ENSG0000011857	-0.62869	1.331315	-0.47223
ENSG000001440275	EIF2AK4	eukaryotic translation initiation factor 2 subunit 4	ENSG0000018091	-0.35437	0.750575	-0.47213
ENSG0000018864	PER2	period circadian 2	ENSG0000012818	0.504941	1.069582	0.472092
ENSG00000110780	ZNF234	zinc finger protein 234	ENSG0000012314	-0.56354	1.194381	-0.47182
ENSG00000110352	WARS2	tryptophan synthase 2	ENSG0000011965	0.588469	1.247233	0.47182
ENSG000001948	CD36	CD36 molecule	ENSG0000011174	-0.26549	0.562702	-0.47182
ENSG00000155253	TYW1	tRNA-yW synthetase	ENSG0000012312	-0.56494	1.197367	-0.47182

ENSG00000126328	NDUFA11	NADH:ubiquinone	ENSG00000114106	0.7393	1.567652	0.471597
ENSG00000200576	PIKFYVE	phosphoinositide	ENSG00000116902	0.315668	0.669612	0.471419
ENSG00000170689	ADAMTS15	ADAM metallopeptidase	ENSG000003042925	-0.53264	1.130442	-0.47118
ENSG00000154477	PLEKHA5	pleckstrin homology domain	ENSG000001402274	-0.3099	0.657714	-0.47117
ENSG0000015269	SERPINF6	serpin family F member 6	ENSG000001236983	0.316015	0.67083	0.47108
ENSG0000019495	AKAP5	A-kinase anchoring protein 5	ENSG0000015065286	1.067799	2.266896	0.47104
ENSG00000151092	SIDT2	SID1 transmembrane protein 2	ENSG0000013672008	0.45553	0.967635	0.470767
ENSG00000184529	C15orf41	chromosome 15 open reading frame 41	ENSG0000012254759	0.277569	0.589772	0.470638
ENSG00000185315	PAQR8	progesterone receptor coactivator 8	ENSG0000016645254	0.941365	2.001096	0.470425
ENSG00000116443	GRIN3A	glutamate receptor ionotropic, NMDA 3A	ENSG0000016645254	0.941365	2.001096	0.470425
ENSG00000184266	ALKBH7	alkB homolog 7	ENSG0000016645254	0.941365	2.001096	0.470425
ENSG0000019129	PRPF3	pre-mRNA processing factor 3	ENSG0000014356792	0.429164	0.912422	0.470357
ENSG0000011974	EIF4A2	eukaryotic translation initiation factor 4A2	ENSG000001341921	0.259431	0.551589	0.470333
ENSG00000110247	RIDA	reactive intermediate	ENSG0000011471981	0.664539	1.413698	0.470071
ENSG0000016429	SRSF4	serine/arginine-rich splicing factor 4	ENSG0000016768095	-0.37534	0.799013	-0.46976
ENSG00000122884	WDR37	WD repeat domain 37	ENSG0000015006068	-0.41499	0.884111	-0.46939
ENSG00000184548	TMEM185	transmembrane protein 185	ENSG0000011973501	0.584725	1.245823	0.469349
ENSG00000211896			ENSG0000013267462	-2.53283	5.399447	-0.46909
ENSG00000232056			ENSG0000013861575	-1.30783	2.788038	-0.46909
ENSG0000016263	RYR3	ryanodine receptor 3	ENSG0000013861575	-1.30783	2.788038	-0.46909
ENSG000001147184	TMEM99	transmembrane protein 99	ENSG0000013861575	-1.30783	2.788038	-0.46909
ENSG0000017982	ST7	suppressor of tumorigenesis 7	ENSG0000013005587	-0.51717	1.10265	-0.46902
ENSG0000017532	YWHAG	tyrosine 3-phosphoadenine 5-phosphate	ENSG0000012567551	0.276588	0.589995	0.468798
ENSG0000014026	LPP	LIM domain protein	ENSG0000015541794	-0.26253	0.560031	-0.46878
ENSG00000123032	USP33	ubiquitin-specific protease 33	ENSG0000018371735	0.343436	0.7327	0.468726
ENSG00000110713	USP39	ubiquitin-specific protease 39	ENSG0000012993385	0.489351	1.04403	0.468714
ENSG000001387	RHOA	ras homolog A	ENSG0000012648499	0.265347	0.566133	0.468702
ENSG00000156169	GSDMC	gasdermin C	ENSG0000013900548	-1.31601	2.8082	-0.46863
ENSG00000110670	RRAGA	Ras-related protein A	ENSG0000013212862	-0.48823	1.041867	-0.46861
ENSG0000013692	EIF6	eukaryotic translation initiation factor 6	ENSG0000016606281	0.944894	2.016525	0.468575
ENSG00000154969	HPF1	histone H4 poly(ADP-ribose) hydrolase 1	ENSG0000019811466	0.785714	1.678388	0.468136
ENSG00000151277	DNAJC27	DnaJ heat shock protein 27	ENSG0000012079695	-0.5846	1.249379	-0.46791
ENSG0000017405	UVRAG	UV radiation endonuclease	ENSG0000013678168	0.451769	0.965944	0.467697
ENSG00000154602	NDFIP2	Nedd4 family protein 2	ENSG0000013002069	-0.5084	1.087108	-0.46766
ENSG000001113457	TUBA3D	tubulin alpha 3D	ENSG0000013279586	0.517553	1.107283	0.467409
ENSG00000164215	DNAJC1	DnaJ heat shock protein 1	ENSG0000012144445	0.558317	1.194768	0.467302
ENSG0000012395	FXN	frataxin	ENSG0000011470347	0.659328	1.41147	0.467122
ENSG0000019240	PNMA1	PNMA family protein 1	ENSG0000011809345	0.598609	1.282282	0.466831
ENSG000001391059	FRRS1	ferric chelate reductase 1	ENSG0000018208873	0.849962	1.821471	0.466635
ENSG00000111044	TENT4A	terminal deoxynucleotidyl transferase 4A	ENSG0000012306705	-0.56014	1.200735	-0.4665
ENSG0000015019	OXCT1	3-oxoacid CoA transferase 1	ENSG0000012259763	0.273802	0.586954	0.466479
ENSG0000017204	TRIO	trio Rho guanine nucleotide exchange factor	ENSG0000011721155	-0.28697	0.615267	-0.46642
ENSG000001134728	IRAK1BP1	interleukin 1 receptor-associated kinase 1 binding protein 1	ENSG0000016501262	-1.00498	2.154735	-0.46641
ENSG000001443	ASPA	aspartoacylase	ENSG0000016501262	-1.00498	2.154735	-0.46641
ENSG000001100506844	GIHCG	GIHCG, inhibitory	ENSG0000015104259	1.063954	2.281353	0.46637
ENSG00000154549	SDK2	sidekick cell adhesion molecule 2	ENSG0000015104259	1.063954	2.281353	0.46637
ENSG00000181618	ITM2C	integral transmembrane protein 2C	ENSG0000012759469	-0.51622	1.107053	-0.4663

ENSG000001120227	CYP2R1	cytochrom	ENSG0000018247846	0.846777	1.816003	0.466286
ENSG0000019637	FEZ2	fasciculatic	ENSG00000145.61098	-0.42837	0.918726	-0.46626
ENSG00000127252	KLHL20	kelch like f	ENSG00000123.12237	-0.56046	1.202184	-0.4662
ENSG0000018605	PLA2G4C	phospholip	ENSG00000129.84217	-0.50045	1.073481	-0.46619
ENSG00000155362	TMEM63B	transmembr	ENSG00000136.63363	-0.46268	0.992533	-0.46617
ENSG0000012530	FUT8	fucosyltrar	ENSG00000123.14761	0.543068	1.16497	0.466164
ENSG0000014155	MBP	myelin bas	ENSG00000168.07212	0.363166	0.779257	0.466041
ENSG00000111260	XPOT	exportin fo	ENSG00000154.35448	-0.40039	0.85924	-0.46598
ENSG0000016426	SRSF1	serine and	ENSG00000187.01931	0.342447	0.735107	0.465847
ENSG00000154221	SNTG2	syntrophin	ENSG0000013.401096	1.404258	3.015498	0.46568
ENSG000001266747	RGL4	ral guanine	ENSG0000013.401096	1.404258	3.015498	0.46568
ENSG00000153354	PANK1	pantotheni	ENSG00000125.50939	-0.54539	1.171487	-0.46556
ENSG0000016794	STK11	serine/thre	ENSG00000131.68226	0.475478	1.021347	0.46554
ENSG00000156946	EMSY	EMSY, BRC	ENSG00000149.89851	-0.40945	0.879711	-0.46543
ENSG000001376267	RAB15	RAB15, me	ENSG00000123.17024	0.538678	1.157393	0.465424
ENSG0000017399	USH2A	usherin	ENSG00000111.47566	0.726532	1.561074	0.465405
ENSG000001152100	CMC1	C-X9-C mo	ENSG00000111.47566	0.726532	1.561074	0.465405
ENSG00000184656	GLYR1	glyoxylate	ENSG000001124.358	-0.30985	0.665802	-0.46537
ENSG00000123607	CD2AP	CD2 associ	ENSG00000149.90478	-0.4113	0.883837	-0.46536
ENSG00000157820	CCNB1IP1	cyclin B1 in	ENSG00000152.34333	-0.41513	0.892085	-0.46534
ENSG00000184154	RPF2	ribosome p	ENSG00000127.73424	-0.5233	1.124856	-0.46521
ENSG00000151060	TXNDC12	thioredoxin	ENSG00000123.13127	0.540328	1.161639	0.465142
ENSG00000154793	KCTD9	potassium	ENSG00000191.79857	-0.33924	0.729412	-0.46509
ENSG0000018892	EIF2B2	eukaryotic	ENSG00000111.40477	-0.76173	1.637876	-0.46507
ENSG000001387521	TMEM189	transmembr	ENSG00000124.70496	0.544811	1.172128	0.464805
ENSG00000123283	CSTF2T	cleavage st	ENSG00000152.38793	0.395378	0.850645	0.464797
ENSG0000019780	PIEZO1	piezo type	ENSG00000116.12349	-0.65052	1.400019	-0.46465
ENSG00000123351	KHNYN	KH and NYI	ENSG00000150.43838	0.40828	0.878745	0.464617
ENSG0000015631	PRPS1	phosphorik	ENSG00000118.44891	-0.61125	1.315675	-0.46459
ENSG00000126269	FBXO8	F-box prote	ENSG00000121.48342	0.556579	1.198029	0.464579
ENSG00000123127	COLGALT2	collagen be	ENSG00000116.3636	-0.67123	1.444845	-0.46457
ENSG00000126168	SENP3	SUMO spe	ENSG0000013.8842	-1.32455	2.851332	-0.46454
ENSG00000155752	SEPT11	septin 11	ENSG000001104.6939	-0.32317	0.695729	-0.4645
ENSG0000011994	ELAVL1	ELAV like R	ENSG00000132.08964	-0.48691	1.049009	-0.46416
ENSG0000011108	CHD4	chromodor	ENSG000001293.2953	-0.2594	0.558908	-0.46413
ENSG0000016428	SRSF3	serine and	ENSG000001109.4993	-0.32998	0.710987	-0.46412
ENSG00000157179	KIAA1191	KIAA1191	ENSG00000178.60158	0.345658	0.744861	0.464057
ENSG0000011264	CNN1	calponin 1	ENSG00000137.83617	0.481695	1.038211	0.463967
ENSG00000111137	PWP1	PWP1 hom	ENSG00000121.40548	0.560118	1.207817	0.463744
ENSG00000156927	GPR108	G protein-c	ENSG00000121.40548	0.560118	1.207817	0.463744
ENSG00000127429	HTRA2	HtrA serine	ENSG00000113.13985	0.682039	1.47101	0.463654
ENSG00000123623	RUSC1	RUN and S	ENSG0000018.972503	-0.84935	1.832061	-0.46361
ENSG00000179064	TMEM223	transmembr	ENSG0000018.972503	-0.84935	1.832061	-0.46361
ENSG00000164840	PORCN	porcupine	ENSG0000018.972503	-0.84935	1.832061	-0.46361
ENSG0000015757	PTMA	prothymos	ENSG000001198.6087	-0.28462	0.61403	-0.46353
ENSG00000110197	PSME3	proteasom	ENSG00000147.24326	0.409039	0.882626	0.463434
ENSG00000155687	TRMU	tRNA 5-me	ENSG00000129.99427	-0.51339	1.108138	-0.46329

ENSG00000160528	ELAC2	elaC ribonuc	ENSG00000163257	63.25767	-0.3802	0.821121	-0.46302
ENSG0000012047	EPHB1	EPH recept	ENSG00000151268	84	1.036568	2.239838	0.462787
ENSG00000180305	TRABD	TraB doma	ENSG00000151268	84	1.036568	2.239838	0.462787
ENSG00000154931	TRMT10C	tRNA meth	ENSG00000124896	603	0.521658	1.127287	0.462755
ENSG00000110206	TRIM13	tripartite r	ENSG00000136804	31	0.449231	0.970953	0.46267
ENSG00000164928	MRPL14	mitochond	ENSG00000114804	404	0.647334	1.399163	0.462658
ENSG0000017045	TGFB1	transformi	ENSG00000173200	45	0.356372	0.770351	0.46261
ENSG0000019453	GGPS1	geranylger	ENSG00000121506	605	0.551776	1.192977	0.46252
ENSG000001307	ANXA4	annexin A4	ENSG00000121506	605	0.551776	1.192977	0.46252
ENSG00000191012	CERS5	ceramide s	ENSG00000116100	86	-0.64606	1.397175	-0.4624
ENSG0000017726	TRIM26	tripartite r	ENSG00000120774	33	-0.58116	1.256857	-0.46239
ENSG0000017580	ZNF32	zinc finger	ENSG00000120774	33	-0.58116	1.256857	-0.46239
ENSG00000110966	RAB40B	RAB40B, m	ENSG00000120774	33	-0.58116	1.256857	-0.46239
ENSG00000128335	B4GALNT3	beta-1,4-N	ENSG00000150225	33	-0.4261	0.921764	-0.46227
ENSG0000012969	GTF2I	general tra	ENSG00000125291	9	-0.53455	1.156419	-0.46224
ENSG00000129934	SNX12	sorting nex	ENSG00000138591	69	0.438492	0.94888	0.462115
ENSG00000154554	WDR5B	WD repeat	ENSG00000166678	79	0.921659	1.994527	0.462094
ENSG00000133950	ZNF678	zinc finger	ENSG00000113752	82	-0.69344	1.500693	-0.46208
ENSG00000151441	YTHDF2	YTH N6-me	ENSG00000141073	26	-0.4454	0.964037	-0.46201
ENSG00000126009	ZZZ3	zinc finger	ENSG00000164380	43	0.374099	0.809718	0.462012
ENSG0000014089	SMAD4	SMAD fam	ENSG00000198009	24	-0.327	0.708065	-0.46182
ENSG00000111267	SNF8	SNF8, ESCR	ENSG00000118409	93	-0.60922	1.319196	-0.46181
ENSG00000164132	XYLT2	xylosyltran	ENSG00000118409	93	-0.60922	1.319196	-0.46181
ENSG00000164797	NORAD	non-coding	ENSG00000158449	56	0.254357	0.550849	0.461755
ENSG0000015001	ORC5	origin reco	ENSG00000198730	64	0.7707	1.669097	0.461747
ENSG0000016742	SSBP1	single strar	ENSG00000138585	42	0.442144	0.957554	0.461743
ENSG0000016594	SMARCA1	SWI/SNF re	ENSG00000176655	82	0.356267	0.772076	0.46144
ENSG00000150809	HP1BP3	heterochrc	ENSG00000116536	93	-0.28691	0.621834	-0.4614
ENSG0000019209	LRRFIP2	LRR bindin	ENSG00000118970	44	-0.28316	0.613878	-0.46127
ENSG00000165979	PHACTR4	phosphata	ENSG00000142082	24	0.425092	0.922031	0.461038
ENSG0000018891	EIF2B3	eukaryotic	ENSG00000131591	76	0.48744	1.057657	0.460868
ENSG00000184172	POLR1B	RNA polym	ENSG00000120696	38	-0.57744	1.25298	-0.46085
ENSG0000019204	ZMYM6	zinc finger	ENSG00000111382	15	-0.75544	1.639575	-0.46075
ENSG0000018556	CDC14A	cell divisio	ENSG00000165238	87	-1.01512	2.203184	-0.46075
ENSG00000151400	PPME1	protein ph	ENSG00000125285	62	-0.53047	1.151733	-0.46059
ENSG00000110203	CALCRL	calcitonin r	ENSG00000172691	32	0.371324	0.806266	0.460547
ENSG00000157494	RIMKLB	ribosomal	ENSG00000125246	65	-0.5289	1.148414	-0.46055
ENSG00000110193	RNF41	ring finger	ENSG00000175111	103	0.349221	0.758472	0.460426
ENSG00000123062	GGA2	golgi assoc	ENSG00000175111	103	0.349221	0.758472	0.460426
ENSG00000110131	TRAP1	TNF recept	ENSG00000138478	57	0.450413	0.978317	0.460395
ENSG00000128526	ZNF619	zinc finger	ENSG00000113100	87	0.684524	1.487658	0.460135
ENSG00000151013	EXOSC1	exosome c	ENSG00000113100	87	0.684524	1.487658	0.460135
ENSG0000015618	PRLR	prolactin r	ENSG00000136474	87	1.205244	2.619367	0.460128
ENSG0000012966	GTF2H2	general tra	ENSG00000136474	87	1.205244	2.619367	0.460128
ENSG00000102730			ENSG00000136474	87	1.205244	2.619367	0.460128
ENSG00000110013	MAP3K14	MAP3K14	ENSG00000136474	87	1.205244	2.619367	0.460128
ENSG00000155816	DOK5	docking pr	ENSG00000136474	87	1.205244	2.619367	0.460128

ENSG000001643853	TMPPE	transmembrane	ENSG000001643853	8.270471	0.831728	1.807656	0.460114
ENSG000001650	BMP2	bone morphogenetic protein	ENSG000001650	8.270471	0.831728	1.807656	0.460114
ENSG00000151566	ARMCX3	armadillo repeat domain	ENSG00000151566	80.29846	0.346645	0.753686	0.459934
ENSG000001285830	HLA-F-AS1	HLA-F antisense	ENSG000001285830	3.83895	-1.29029	2.805515	-0.45991
ENSG000001170384	FUT11	fucosyltransferase	ENSG000001170384	27.49412	-0.51069	1.111371	-0.45951
ENSG00000123462	HEY1	helix-loop-helix related	ENSG00000123462	18.42628	-0.60736	1.322468	-0.45926
ENSG0000016097	RORC	RAR related	ENSG0000016097	23.02808	-0.55833	1.216771	-0.45886
ENSG00000155625	ZDHHC7	zinc finger	ENSG00000155625	61.13339	-0.38665	0.843074	-0.45862
ENSG00000155449	DHRS4-AS1	DHRS4 antisense	ENSG00000155449	11.53725	0.713876	1.55698	0.4585
ENSG00000110509	SEMA4B	semaphorin	ENSG00000110509	39.37638	-0.48396	1.056348	-0.45815
ENSG0000019645	MICAL2	microtubule associated	ENSG0000019645	73.43428	0.351929	0.769088	0.457592
ENSG00000110207	PATJ	PATJ, crumhorn	ENSG00000110207	276.4063	0.270827	0.591877	0.457573
ENSG00000154927	CHCHD3	coiled-coil domain	ENSG00000154927	120.7006	0.308421	0.674419	0.457314
ENSG00000179038	ZFYVE21	zinc finger	ENSG00000179038	23.25446	0.528261	1.155953	0.456992
ENSG000001322	APBB1	amyloid beta	ENSG000001322	65.09659	-0.36631	0.801642	-0.45695
ENSG000001140735	DYNLL2	dynein light chain	ENSG000001140735	217.0648	-0.26842	0.587487	-0.4569
ENSG000001388695	LYSMD1	LysM domain	ENSG000001388695	19.88083	0.565175	1.237106	0.456852
ENSG0000017812	CSDE1	cold shock domain	ENSG0000017812	1286.251	0.227675	0.498356	0.456851
ENSG00000156949	XAB2	XPA binding	ENSG00000156949	11.3658	-0.75852	1.660966	-0.45668
ENSG00000180854	SETD7	SET domain	ENSG00000180854	238.8407	-0.26495	0.580179	-0.45667
ENSG0000014723	NDUFV1	NADH:ubiquinone	ENSG0000014723	212.9558	-0.2711	0.593691	-0.45664
ENSG0000018416	ANXA9	annexin A9	ENSG0000018416	13.20144	0.671082	1.470035	0.456507
ENSG000001101927027	PRKRA-AS1	PRKRA antisense	ENSG000001101927027	13.20144	0.671082	1.470035	0.456507
ENSG000001558	AXL	AXL receptor	ENSG000001558	67.53892	-0.36815	0.806487	-0.45649
ENSG000001353355	ZNF233	zinc finger	ENSG000001353355	8.949878	-0.84143	1.843353	-0.45647
ENSG0000016646	SOAT1	sterol O-acetyltransferase	ENSG0000016646	41.2714	0.464959	1.018797	0.45638
ENSG0000015291	PIK3CB	phosphatidylinositol	ENSG0000015291	43.06179	-0.42341	0.927904	-0.4563
ENSG0000019130	FAM50A	family with sequence	ENSG0000019130	29.84845	-0.50361	1.103706	-0.45629
ENSG000001641977	SEPT7P2	septin 7 protein	ENSG000001641977	8.93353	-0.84548	1.853053	-0.45626
ENSG0000015982	RFC2	replication factor	ENSG0000015982	8.93353	-0.84548	1.853053	-0.45626
ENSG00000100276291			ENSG00000100276291	8.93353	-0.84548	1.853053	-0.45626
ENSG000001348995	NUP43	nucleoporin	ENSG000001348995	47.36646	0.403219	0.884293	0.455978
ENSG0000015255	PHKA1	phosphorylation	ENSG0000015255	44.18062	-0.46915	1.029114	-0.45588
ENSG00000129965	CDIP1	cell death inducer	ENSG00000129965	54.33749	0.383412	0.841064	0.455865
ENSG00000163027	SLC22A23	solute carrier	ENSG00000163027	13.69122	-0.68558	1.504141	-0.45579
ENSG00000110307	APBB3	amyloid beta	ENSG00000110307	3.799977	-1.28208	2.813042	-0.45576
ENSG00000156124	PCDHB12	protocadherin	ENSG00000156124	3.799977	-1.28208	2.813042	-0.45576
ENSG00000126872	STEAP1	STEAP family	ENSG00000126872	3.799977	-1.28208	2.813042	-0.45576
ENSG00000100213839			ENSG00000100213839	3.799977	-1.28208	2.813042	-0.45576
ENSG00000100280392			ENSG00000100280392	3.799977	-1.28208	2.813042	-0.45576
ENSG00000110609	P3H4	prolyl 3-hydroxylase	ENSG00000110609	3.799977	-1.28208	2.813042	-0.45576
ENSG0000015433	POLR2D	RNA polymerase	ENSG0000015433	29.87486	-0.49854	1.093989	-0.45571
ENSG0000015805	PTS	6-pyruvoyl	ENSG0000015805	13.16247	0.67351	1.478066	0.45567
ENSG000001203522	INTS6L	integrator	ENSG000001203522	13.16247	0.67351	1.478066	0.45567
ENSG00000123505	TMEM131	transmembrane	ENSG00000123505	97.93508	-0.32423	0.711868	-0.45547
ENSG00000151619	UBE2D4	ubiquitin conjugating	ENSG00000151619	22.93758	-0.54596	1.198734	-0.45544
ENSG000001134492	NUDCD2	NudC domain	ENSG000001134492	13.17882	0.679478	1.492091	0.455387



ENSG00000118426	BORCS5	BLOC-1 related	ENSG00000118426	13.17882	0.679478	1.492091	0.455387
ENSG00000127153	ZNF777	zinc finger	ENSG00000127153	6.439664	-0.98909	2.172155	-0.45535
ENSG000001374383	NCR3LG1	natural killer cell	ENSG000001374383	6.439664	-0.98909	2.172155	-0.45535
ENSG00000125912	C1orf43	chromosome 1	ENSG00000125912	142.0285	0.292667	0.642858	0.455259
ENSG0000018994	LIMD1	LIM domain	ENSG0000018994	71.74223	-0.35613	0.782553	-0.45509
ENSG00000110498	CARM1	coactivator	ENSG00000110498	18.36468	-0.60137	1.321473	-0.45508
ENSG00000157182	ANKRD50	ankyrin repeat	ENSG00000157182	38.61209	-0.44023	0.967482	-0.45502
ENSG0000018557	TCAP	titin-cap	ENSG0000018557	1732.687	0.235345	0.517454	0.454813
ENSG00000151684	SUFU	SUFU negative	ENSG00000151684	18.37096	-0.60709	1.334841	-0.4548
ENSG00000155975	KLHL7	kelch like family	ENSG00000155975	169.995	-0.28746	0.632155	-0.45474
ENSG0000013037	HAS2	hyaluronan	ENSG0000013037	8.309444	0.828478	1.821938	0.454723
ENSG00000130001	ERO1A	endoplasmic	ENSG00000130001	49.83063	-0.40531	0.891338	-0.45472
ENSG00000179720	VPS37B	VPS37B, ESC	ENSG00000179720	11.32055	-0.74603	1.641103	-0.45459
ENSG00000124142	NAA80	N(alpha)-acetyl	ENSG00000124142	6.417039	-0.97834	2.15222	-0.45457
ENSG00000151110	LACTB2	lactamase	ENSG00000151110	6.417039	-0.97834	2.15222	-0.45457
ENSG00000122994	CEP131	centrosome	ENSG00000122994	6.417039	-0.97834	2.15222	-0.45457
ENSG0000014677	NARS	asparaginyl	ENSG0000014677	153.9406	0.294272	0.64746	0.454502
ENSG00000110449	ACAA2	acetyl-CoA	ENSG00000110449	185.3932	0.285863	0.62897	0.454493
ENSG00000183694	RPS6KL1	ribosomal	ENSG00000183694	9.934662	0.755847	1.663122	0.454475
ENSG000001823	CAPN1	calpain 1	ENSG000001823	52.49478	0.389429	0.857582	0.454101
ENSG00000155857	KIZ	kizuna cent	ENSG00000155857	27.4099	-0.504	1.109967	-0.45407
ENSG000001440253	WHAMMP	WAS prote	ENSG000001440253	6.729477	0.898847	1.979882	0.45399
ENSG0000012717	GLA	galactosidase	ENSG0000012717	6.729477	0.898847	1.979882	0.45399
ENSG000001762	CA4	carbonic anhydr	ENSG000001762	9.112046	-0.86949	1.915224	-0.45399
ENSG00000123521	RPL13A	ribosomal	ENSG00000123521	465.1366	0.266769	0.587661	0.45395
ENSG00000154537	SHLD2	shieldin co	ENSG00000154537	23.21549	0.529962	1.167808	0.45381
ENSG00000180317	ZKSCAN3	zinc finger	ENSG00000180317	6.456012	-0.9835	2.167486	-0.45375
ENSG0000015989	RFX1	regulatory	ENSG0000015989	6.456012	-0.9835	2.167486	-0.45375
ENSG00000190550	MCU	mitochond	ENSG00000190550	23.27081	0.530908	1.170512	0.453569
ENSG0000015601	MAPK9	mitogen-act	ENSG0000015601	60.68586	-0.37347	0.823412	-0.45356
ENSG00000164064	OXCT2	3-oxoacid (	ENSG00000164064	1.244513	-2.38936	5.26901	-0.45347
ENSG00000164789	EXO5	exonuclease	ENSG00000164789	1.244513	-2.38936	5.26901	-0.45347
ENSG000001100873998	MEIS1-AS2	MEIS1 anti	ENSG000001100873998	1.244513	-2.38936	5.26901	-0.45347
ENSG000001165530	CLEC4F	C-type lect	ENSG000001165530	1.244513	-2.38936	5.26901	-0.45347
ENSG00000150489	CD207	CD207 mol	ENSG00000150489	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010241351			ENSG0000010241351	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010236564			ENSG0000010236564	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010280399			ENSG0000010280399	1.244513	-2.38936	5.26901	-0.45347
ENSG0000012069	EREG	epiregulin	ENSG0000012069	1.244513	-2.38936	5.26901	-0.45347
ENSG0000012996	GYPE	glycophorin	ENSG0000012996	1.244513	-2.38936	5.26901	-0.45347
ENSG000001221527	ZBTB12	zinc finger	ENSG000001221527	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010271789			ENSG0000010271789	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010231490			ENSG0000010231490	1.244513	-2.38936	5.26901	-0.45347
ENSG000001253650	ANKRD18A	ankyrin repeat	ENSG000001253650	1.244513	-2.38936	5.26901	-0.45347
ENSG000001101928438	LOC101928438	uncharacter	ENSG000001101928438	1.244513	-2.38936	5.26901	-0.45347
ENSG00000111217	AKAP2	A-kinase an	ENSG00000111217	1.244513	-2.38936	5.26901	-0.45347
ENSG000001150	ADRA2A	adrenoceptor	ENSG000001150	1.244513	-2.38936	5.26901	-0.45347

ENSG0000010254865			ENSG0000010254865	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010050730	ALKBH3-AS1	ALKBH3 antisense intron 1	ENSG0000010050730	1.244513	-2.38936	5.26901	-0.45347
ENSG00000103852	KRT5	keratin 5	ENSG00000103852	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010258373			ENSG0000010258373	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010211949			ENSG0000010211949	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010211964			ENSG0000010211964	1.244513	-2.38936	5.26901	-0.45347
ENSG0000011053714	LOC105371414	uncharacterized protein	ENSG0000011053714	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010279981			ENSG0000010279981	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010279390			ENSG0000010279390	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010211651			ENSG0000010211651	1.244513	-2.38936	5.26901	-0.45347
ENSG00000108908	GYG2	glycogenin	ENSG00000108908	1.244513	-2.38936	5.26901	-0.45347
ENSG0000011010601	CHMP1B2F	charged multimeric protein	ENSG0000011010601	1.244513	-2.38936	5.26901	-0.45347
ENSG0000010228411			ENSG0000010228411	1.244513	-2.38936	5.26901	-0.45347
ENSG000001023192	ATG4B	autophagy	ENSG000001023192	30.14127	0.472259	1.041448	0.453464
ENSG0000010170954	PPP1R18	protein phosphatase 1 regulatory subunit 18	ENSG0000010170954	47.0484	0.414311	0.914094	0.453247
ENSG0000010440456	PLEKHM1P	pleckstrin homology domain containing protein	ENSG0000010440456	24.84071	0.520945	1.149828	0.453063
ENSG000001080263	TRIM45	tripartite motif domain containing 45	ENSG000001080263	14.84301	0.644867	1.425026	0.45253
ENSG00000107392	USF2	upstream stimulatory factor 2	ENSG00000107392	78.59151	0.34398	0.760141	0.452521
ENSG0000010203197	TMEM268	transmembrane protein 268	ENSG0000010203197	8.332069	0.813744	1.798615	0.452428
ENSG000001057161	PELI2	pellino E3 ubiquitin ligase 2	ENSG000001057161	14.4181	0.703358	1.555377	0.452211
ENSG000001051463	GPR89B	G protein-coupled receptor 89B	ENSG000001051463	5.188482	1.006028	2.224986	0.45215
ENSG0000010133383	SETD9	SET domain containing 9	ENSG0000010133383	5.188482	1.006028	2.224986	0.45215
ENSG00000102150	F2RL1	F2R like tryptase	ENSG00000102150	5.188482	1.006028	2.224986	0.45215
ENSG0000010387923	SERP2	stress associated serpin 2	ENSG0000010387923	5.188482	1.006028	2.224986	0.45215
ENSG000001057470	LRRC47	leucine rich repeat containing 47	ENSG000001057470	47.42805	0.400313	0.88543	0.452112
ENSG000001053938	PPIL3	peptidyl prolyl isomerase 3	ENSG000001053938	14.88826	0.63029	1.394145	0.452098
ENSG00000109463	PICK1	protein interacting with Cdk5 1	ENSG00000109463	14.88826	0.63029	1.394145	0.452098
ENSG000001022955	SCMH1	Scm polycomb target 1	ENSG000001022955	62.81642	-0.36892	0.816188	-0.452
ENSG00000102245	FGD1	FYVE, Rho GTPase binding domain containing 1	ENSG00000102245	13.66859	-0.6803	1.505286	-0.45194
ENSG000001064848	YTHDC2	YTH domain containing 2	ENSG000001064848	50.70739	0.395661	0.875585	0.451882
ENSG0000010554203	JPX	JPX transcribed antisense RNA	ENSG0000010554203	16.00029	-0.63696	1.410035	-0.45173
ENSG000001057099	AVEN	apoptosis vesicle trafficking regulator	ENSG000001057099	16.51348	0.606447	1.342716	0.451657
ENSG000001051031	GLOD4	glyoxalase 4	ENSG000001051031	16.51348	0.606447	1.342716	0.451657
ENSG0000010387066	SNHG5	small nucleolar RNA H5	ENSG0000010387066	29.95529	-0.5117	1.133029	-0.45162
ENSG000001084162	KIAA1109	KIAA1109	ENSG000001084162	288.016	-0.2532	0.560699	-0.45157
ENSG00000101654	DDX3X	DEAD-box protein 3X	ENSG00000101654	328.5283	-0.25992	0.575682	-0.45151
ENSG000001026262	TSPAN17	tetraspanin 17	ENSG000001026262	33.5765	0.451971	1.001035	0.451503
ENSG000001010250	SRRM1	serine and arginine rich mRNP protein 1	ENSG000001010250	84.68904	-0.33615	0.744583	-0.45147
ENSG000001079605	PGBD5	piggyBac transposon derived 5	ENSG000001079605	9.74359	0.820816	1.819131	0.451213
ENSG0000010257019	FRMD3	FERM domain containing 3	ENSG0000010257019	113.9822	0.306524	0.679419	0.451157
ENSG0000011001310	SRP14-AS1	SRP14 antisense intron 1	ENSG0000011001310	15.97767	-0.63248	1.401978	-0.45114
ENSG0000010160335	TMTC2	transmembrane protein 2	ENSG0000010160335	18.39359	-0.61079	1.354196	-0.45103
ENSG00000106834	SURF1	SURF1, cytoplasmic	ENSG00000106834	26.68969	0.495619	1.098886	0.45102
ENSG000001054921	CHTF8	chromosomal translocation fusion 8	ENSG000001054921	27.42625	-0.50286	1.115061	-0.45097
ENSG0000010204789			ENSG0000010204789	11.59885	0.701317	1.555247	0.450936
ENSG000001081533	ITFG1	integrin alpha 1	ENSG000001081533	64.92854	0.356798	0.791495	0.450789
ENSG000001084280	BTBD10	BTB domain containing 10	ENSG000001084280	31.88968	0.459396	1.019195	0.450744

ENSG00000181532	MOB2	MOB kinase	ENSG000001830309	-0.59537	1.321074	-0.45067
ENSG000001109	ADCY3	adenylate cyclase	ENSG0000012101693	-0.61231	1.35901	-0.45056
ENSG00000184908	FAM136A	family with 136 members	ENSG0000011642298	0.631942	1.402603	0.45055
ENSG00000154926	UBE2R2	ubiquitin conjugating enzyme	ENSG0000018242274	0.333037	0.739678	0.450246
ENSG0000017335	UBE2V1	ubiquitin conjugating enzyme	ENSG000001888828	-0.82959	1.842946	-0.45015
ENSG0000017569	ZNF182	zinc finger protein	ENSG000001888828	-0.82959	1.842946	-0.45015
ENSG0000015324	PLAG1	PLAG1 zinc finger protein	ENSG0000012283701	-0.5394	1.198427	-0.45009
ENSG000001132241	RPL32P3	ribosomal protein	ENSG0000011128158	-0.74292	1.650696	-0.45006
ENSG0000015338	PLD2	phospholipase	ENSG0000011128158	-0.74292	1.650696	-0.45006
ENSG0000010234814			ENSG0000011828674	-0.59725	1.327464	-0.44992
ENSG000001113263	GLCC1	glucocorticoid-induced leucine-rich repeat-containing protein	ENSG0000019834091	0.774099	1.720579	0.449906
ENSG0000010229036			ENSG0000013777352	-1.2642	2.80995	-0.4499
ENSG0000010236998			ENSG0000013777352	-1.2642	2.80995	-0.4499
ENSG00000157758	SCUBE2	signal peptide	ENSG0000013777352	-1.2642	2.80995	-0.4499
ENSG000001100506428	CBR3-AS1	CBR3 antisense	ENSG0000013777352	-1.2642	2.80995	-0.4499
ENSG00000110762	NUP50	nucleoporin	ENSG0000014723319	0.405468	0.902551	0.449246
ENSG0000016741	SSB	Sjogren syndrome	ENSG0000014056387	0.418484	0.931603	0.449209
ENSG000001143384	CACUL1	CDK2 associated	ENSG0000018406052	0.331788	0.738661	0.449175
ENSG00000179933	SYNPO2L	synaptophysin	ENSG000001324121	0.288125	0.641578	0.449089
ENSG00000179717	PPCS	phosphoprotein	ENSG0000012324819	0.535055	1.191626	0.449012
ENSG0000013158	HMGCS2	3-hydroxy-3-methylglutaryl-CoA synthase	ENSG0000012316396	0.545219	1.214314	0.448993
ENSG0000015719	PSMD13	proteasome	ENSG0000016138646	0.366384	0.816747	0.44859
ENSG00000155081	IFT57	intraflagellar transport	ENSG000001249966	0.514307	1.146627	0.448539
ENSG00000183443	SF3B5	splicing factor	ENSG0000012158399	0.548048	1.222616	0.448258
ENSG0000017579	ZSCAN20	zinc finger protein	ENSG0000011125895	-0.73656	1.643867	-0.44807
ENSG00000164718	UNKL	unkempt family	ENSG0000011125895	-0.73656	1.643867	-0.44807
ENSG000001246119	TTY10	testis-specific	ENSG0000011125895	-0.73656	1.643867	-0.44807
ENSG000001282809	POC1B	POC1 centromere	ENSG0000011992608	0.554737	1.238338	0.447969
ENSG00000179991	STN1	STN1, CST	ENSG0000012679026	0.488926	1.091464	0.447954
ENSG00000110652	YKT6	YKT6 v-SNARE	ENSG000001473828	0.403982	0.901971	0.447888
ENSG000001389524	GTF2IRD2E	GTF2I repeat	ENSG000001113042	-0.74906	1.672834	-0.44778
ENSG00000179728	PALB2	partner and	ENSG000001113042	-0.74906	1.672834	-0.44778
ENSG00000111284	PNKP	polynucleotide kinase	ENSG000001113042	-0.74906	1.672834	-0.44778
ENSG0000011024	CDK8	cyclin dependent	ENSG0000011492723	0.628027	1.402746	0.447713
ENSG00000154820	NDE1	nucleodermis	ENSG000001199198	0.563151	1.25796	0.44767
ENSG00000110994	ILVBL	ilvB acetolactate	ENSG000001340392	-0.45489	1.01622	-0.44763
ENSG00000164795	RMND5A	required for	ENSG0000012608882	0.254524	0.568665	0.447582
ENSG000001399818	EEF1AKMT	EEF1A lysine	ENSG0000018849307	-0.82577	1.844968	-0.44758
ENSG0000015872	RAB13	RAB13, member	ENSG0000013181435	-0.4674	1.044733	-0.44739
ENSG00000110302	SNAPC5	small nuclear	ENSG0000011659142	0.602175	1.346354	0.447264
ENSG0000015870	RAB6A	RAB6A, member	ENSG0000011282549	0.294221	0.657859	0.44724
ENSG00000127297	CRCP	CGRP receptor	ENSG0000012506186	-0.51559	1.152853	-0.44723
ENSG0000016697	SPR	sepiapterin	ENSG0000012301552	-0.54961	1.229132	-0.44716
ENSG0000013104	ZBTB48	zinc finger	ENSG0000019895689	0.758981	1.698132	0.446951
ENSG00000184071	ARMC2	armadillo repeat	ENSG0000019895689	0.758981	1.698132	0.446951
ENSG00000110051	SMC4	structural	ENSG0000012955053	-0.48048	1.0753	-0.44683
ENSG0000013927	LASP1	LIM and SH	ENSG0000017187066	0.348972	0.781158	0.446736

ENSG000001201161	CENPV	centromere	ENSG0000016394414	-0.96737	2.165672	-0.44669
ENSG00000155281	TMEM140	transmembrane	ENSG0000015089219	0.387528	0.867745	0.446593
ENSG00000179719	AAGAB	alpha and gamma	ENSG0000013005077	0.484794	1.08558	0.446575
ENSG000001552889	ATXN7L3B	ataxin 7 like	ENSG0000017163538	-0.35265	0.789786	-0.44651
ENSG00000180315	CPEB4	cytoplasmic	ENSG0000014505428	-0.24214	0.542657	-0.44622
ENSG0000016391	SDHC	succinate dehydrogenase	ENSG0000011173465	-0.30532	0.684252	-0.44621
ENSG000001657	BMPR1A	bone morphogenetic protein	ENSG0000015278014	0.378076	0.847312	0.446206
ENSG00000122870	PPP6R1	protein phosphatase	ENSG0000013846627	-0.43247	0.969341	-0.44614
ENSG000001114882	OSBPL8	oxysterol binding protein	ENSG0000011495891	0.280742	0.629349	0.446084
ENSG00000123231	SEL1L3	SEL1L family	ENSG0000011494986	0.620747	1.391549	0.446083
ENSG00000151734	MSRB1	methionine sulfoxide	ENSG0000011830086	0.569504	1.276833	0.446029
ENSG00000192285	ZNF585B	zinc finger	ENSG0000012510711	-0.52122	1.168923	-0.4459
ENSG00000151149	MRNIP	MRN complex	ENSG0000012070266	-0.58201	1.305352	-0.44586
ENSG00000125852	ARMC8	armadillo repeat	ENSG0000015979015	0.362186	0.812351	0.445849
ENSG00000155763	EXOC1	exocyst complex	ENSG0000013887706	0.423125	0.949157	0.445791
ENSG0000016362	CCL18	C-C motif chemokine	ENSG0000016899752	-1.11667	2.505327	-0.44572
ENSG00000129105	CFAP20	cilia and flagellum	ENSG0000011146009	-0.76236	1.710481	-0.4457
ENSG0000012948	GSTM4	glutathione S-transferase	ENSG0000012317652	0.5319	1.193953	0.445495
ENSG000001115353	LRRC42	leucine rich repeat	ENSG0000016355441	-0.96222	2.162712	-0.44491
ENSG000001203506			ENSG0000016355441	-0.96222	2.162712	-0.44491
ENSG00000154982	CLN6	CLN6, transmembrane	ENSG0000016355441	-0.96222	2.162712	-0.44491
ENSG000001153443	SRFBP1	serum response factor	ENSG0000011593869	-0.63012	1.416316	-0.4449
ENSG00000157448	BIRC6	baculoviral inhibitor	ENSG0000013111731	-0.24673	0.554643	-0.44484
ENSG0000013916	LAMP1	lysosomal membrane	ENSG0000018886973	-0.32726	0.735941	-0.44469
ENSG00000157002	YAE1	YAE1, ABC transporter	ENSG0000016791075	0.876385	1.971856	0.444447
ENSG0000015361	PLXNA1	plexin A1	ENSG0000014952264	-0.39364	0.88573	-0.44443
ENSG0000016614	SIGLEC1	sialic acid binding	ENSG0000014218753	1.134502	2.553023	0.444376
ENSG00000126099	SZRD1	SUZ RNA binding	ENSG0000016917042	-0.34938	0.786285	-0.44435
ENSG000001154043	CNKSR3	CNKSR family	ENSG0000012730305	-0.49464	1.113433	-0.44424
ENSG000001279117			ENSG0000018927253	-0.83372	1.877753	-0.444
ENSG00000160560	NAA35	N(alpha)-acetylglucosaminase	ENSG000001295279	-0.47804	1.076795	-0.44395
ENSG00000151650	MRPS33	mitochondrial ribosomal	ENSG0000012682924	0.487411	1.098316	0.44378
ENSG000001389677	RBM12B	RNA binding motif	ENSG0000013628039	-0.4432	0.998874	-0.4437
ENSG00000154879	ST7L	suppression of tumorigenesis	ENSG0000011820251	-0.5873	1.323688	-0.44368
ENSG00000151287	COA4	cytochrome oxidase	ENSG0000012002665	0.545878	1.230551	0.443605
ENSG00000125966	C2CD2	C2 calcium domain	ENSG0000012282066	-0.54072	1.219003	-0.44358
ENSG00000110959	TMED2	transmembrane	ENSG0000011194927	0.296629	0.668831	0.443504
ENSG00000126036	ZNF451	zinc finger	ENSG0000017157627	-0.35464	0.799669	-0.44349
ENSG00000191433	RCCD1	RCC1 domain	ENSG0000016378066	-0.97297	2.194418	-0.44338
ENSG000001270911			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001100132417	FCGR1CP	Fc fragment	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001201651	AADACP1	arylacetamide	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG00000184517	ACTRT3	actin related	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001230732			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG00000154553	MIR4453H	MIR4453 hairpin	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001241230			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001134637	ADAT2	adenosine deaminase	ENSG0000012129118	1.623203	3.664125	0.442999

ENSG00000185477	SCIN	scinderin	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG0000010237065			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG0000010280193			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001503542	SPRN	shadow of	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001643733	CASP17P	caspase 17	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001100505538	RBM26-AS	RBM26 ant	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG0000010258891			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG0000010259768			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG0000010279187			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG00000151171	HSD17B14	hydroxyste	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG0000010268545			ENSG0000012129118	1.623203	3.664125	0.442999
ENSG000001150223	YDJC	YdjC chitoc	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG0000019997	SCO2	SCO2, cyto	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG00000155026	TMEM255	transmeml	ENSG0000012129118	1.623203	3.664125	0.442999
ENSG0000016239	RREB1	ras respon	ENSG000001110.7562	-0.30848	0.696357	-0.443
ENSG00000125926	NOL11	nucleolar p	ENSG00000131.97391	0.452084	1.020745	0.442896
ENSG0000018313	AXIN2	axin 2	ENSG00000111.66045	0.688841	1.555802	0.442756
ENSG00000151204	TACO1	translation	ENSG00000123.43926	0.510349	1.152961	0.442642
ENSG00000110399	RACK1	receptor fc	ENSG000001314.9655	0.264601	0.597992	0.442482
ENSG00000110867	TSPAN9	tetraspanin	ENSG000001136.0278	-0.31374	0.709084	-0.44246
ENSG00000110560	SLC19A2	solute carr	ENSG00000152.0492	-0.39834	0.900399	-0.4424
ENSG00000129097	CNIH4	cornichon f	ENSG00000124.80173	0.522986	1.182931	0.442111
ENSG00000180344	DCAF11	DDB1 and	ENSG00000175.71549	-0.33907	0.766944	-0.4421
ENSG0000019962	SLC23A2	solute carr	ENSG00000131.75903	-0.46699	1.056408	-0.44206
ENSG00000160678	EEFSEC	eukaryotic	ENSG00000111.23632	-0.73016	1.651816	-0.44204
ENSG0000010279118			ENSG00000111.23632	-0.73016	1.651816	-0.44204
ENSG00000126098	EDRF1	erythroid c	ENSG00000111.21998	-0.7334	1.659237	-0.44201
ENSG0000016829	SUPT5H	SPT5 homc	ENSG00000197.47748	-0.31671	0.716661	-0.44193
ENSG00000126275	HIBCH	3-hydroxyi	ENSG00000135.48708	0.432383	0.978607	0.441836
ENSG00000111322	TMC6	transmeml	ENSG00000120.46634	-0.55431	1.255178	-0.44162
ENSG000001342371	ATXN1L	ataxin 1 lik	ENSG00000165.01904	0.351591	0.796342	0.441508
ENSG00000179139	DERL1	derlin 1	ENSG00000151.11595	0.378505	0.857329	0.441494
ENSG00000123500	DAAM2	dishevellec	ENSG00000159.21523	-0.40753	0.923544	-0.44127
ENSG0000011123	CHN1	chimerin 1	ENSG00000111.19735	-0.72704	1.647905	-0.44119
ENSG0000015704	PSMC4	proteasom	ENSG00000144.16127	0.399898	0.906545	0.441124
ENSG00000128	ABO	ABO, alpha	ENSG0000013.738379	-1.25578	2.847122	-0.44107
ENSG0000010278255			ENSG0000013.738379	-1.25578	2.847122	-0.44107
ENSG000001104355297	ABCA9-AS	ABCA9 ant	ENSG0000013.738379	-1.25578	2.847122	-0.44107
ENSG0000010276980			ENSG0000013.738379	-1.25578	2.847122	-0.44107
ENSG000001147463	ANKRD29	ankyrin re	ENSG0000018.293096	0.817439	1.853374	0.441055
ENSG00000165998	C11orf95	chromosor	ENSG00000113.59065	-0.6749	1.531048	-0.44081
ENSG0000015611	DNAJC3	DnaJ heat	ENSG000001119.1294	0.302844	0.687144	0.440729
ENSG00000110376	TUBA1B	tubulin alp	ENSG00000144.1839	0.397856	0.902757	0.440712
ENSG0000015932	RBBP8	RB binding	ENSG00000113.32464	0.649343	1.473544	0.440667
ENSG00000157125	PLXDC1	plexin dom	ENSG00000127.24145	-0.49051	1.113113	-0.44067
ENSG0000010278600			ENSG0000013.709085	1.159743	2.632417	0.440562
ENSG0000013015	H2AFZ	H2A histon	ENSG00000119.88711	0.556821	1.264114	0.440484

ENSG00000155652	SLC48A1	solute carr	ENSG0000013540913	0.434861	0.987423	0.4404
ENSG00000273748			ENSG00000113.5454	-0.6644	1.508627	-0.4404
ENSG0000019706	ULK2	unc-51 like	ENSG00000129.4663	-0.47422	1.076818	-0.44039
ENSG00000111258	DCTN3	dynactin st	ENSG00000130.30344	0.461704	1.048436	0.440374
ENSG00000123527	ACAP2	ArfGAP wit	ENSG00000187.9659	0.318055	0.72231	0.44033
ENSG000001124583	CANT1	calcium ac	ENSG00000125.04551	-0.51674	1.17398	-0.44016
ENSG00000155252	ASXL2	ASXL trans	ENSG000001102.1258	-0.31627	0.719158	-0.43978
ENSG000001839	CASP6	caspase 6	ENSG0000015.25008	0.976031	2.220421	0.43957
ENSG00000179609	VCPKMT	valosin cor	ENSG0000015.25008	0.976031	2.220421	0.43957
ENSG0000017407	VARS	valyl-tRNA	ENSG00000127.20248	-0.48903	1.112547	-0.43956
ENSG000001100507217	LINC01578	long interg	ENSG00000129.44996	-0.47526	1.081863	-0.43929
ENSG00000151249	TMEM69	transmembr	ENSG0000018.865655	-0.82171	1.870655	-0.43926
ENSG00000181875	ISG20L2	interferon	ENSG00000125.14242	0.49925	1.136588	0.439253
ENSG00000151088	KLHL5	kelch like f	ENSG00000135.5097	0.429733	0.978328	0.439253
ENSG00000165080	MRPL44	mitochond	ENSG00000125.05558	-0.51146	1.165297	-0.43891
ENSG0000013925	STMN1	stathmin 1	ENSG00000118.32349	0.563809	1.284666	0.438876
ENSG00000184231	TRAF7	TNF recept	ENSG00000118.32349	0.563809	1.284666	0.438876
ENSG000001114789	SLC25A25	solute carr	ENSG00000114.97248	0.613502	1.397976	0.43885
ENSG00000111022	TDRKH	tudor and I	ENSG0000013.715754	-1.23769	2.820753	-0.43878
ENSG00000240499			ENSG0000013.715754	-1.23769	2.820753	-0.43878
ENSG0000016461	SHB	SH2 domai	ENSG0000013.715754	-1.23769	2.820753	-0.43878
ENSG00000154972	TMEM132	transmembr	ENSG0000013.715754	-1.23769	2.820753	-0.43878
ENSG00000125880	TMEM186	transmembr	ENSG0000013.715754	-1.23769	2.820753	-0.43878
ENSG00000279207			ENSG0000013.715754	-1.23769	2.820753	-0.43878
ENSG000001171523	CYP2T1P	cytochrom	ENSG0000013.715754	-1.23769	2.820753	-0.43878
ENSG00000279948			ENSG0000013.715754	-1.23769	2.820753	-0.43878
ENSG00000129923	HILPDA	hypoxia inc	ENSG0000018.894557	-0.84096	1.917248	-0.43863
ENSG000001100873935	MTOR-AS1	MTOR anti	ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000231849			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000269887			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000223525			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000228525			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000235072			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000123559	WBP1	WW doma	ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG000001117581	TWIST2	twist famil	ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000200114			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000110012864C	ACVR2B-A'	ACVR2B an	ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000283511			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000202071			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG000001285359	PDCL3P4	phosducin-	ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG0000017348	UPK1B	uroplakin 1	ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000243508			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000248557			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000242992			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000166000	TMEM108	transmembr	ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000205682			ENSG0000011.098692	-2.20634	5.030637	-0.43858
ENSG00000242318			ENSG0000011.098692	-2.20634	5.030637	-0.43858

ENSG0000010251586			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010586	MAB21L2	mab-21 like	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010248813			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG00000106606	SMN1	survival of	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010254701			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010250329			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010114787	GPRIN1	G protein r	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG000001081491	GPR63	G protein-c	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010220506			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010233351			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG000001022798	LAMB4	laminin su	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010243679			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010253930			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010253112			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010272518			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010202172			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG000001084688	C9orf24	chromosom	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010228307			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010225345			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010235641			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010441549	CDNF	cerebral dc	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010213659			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010219623	TMEM26	transmembr	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010279814			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010278616			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010281974			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010100132116	ACTA2-AS1	ACTA2 anti	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG00000101571	CYP2E1	cytochrom	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG000001024147	FJX1	four-jointe	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010729799	SEC14L1P1	SEC14 like	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG000001057569	ARHGAP2C	Rho GTPase	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010257243			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010257246			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG000001010012994C	LOC10012994C	uncharacter	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010256710	GLIPR1L1	GLIPR1 like	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010107984535	LOC107984535	uncharacter	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010196475	RMST	rhabdomyo	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010277840			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010270061			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG000001064403	CDH24	cadherin 2	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010259536			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010259935			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010259570			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010280048			ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG000001064499	TPSB2	tryptase be	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010106144584	LINC01290	long interg	ENSG000001098692	-2.20634	5.030637	-0.43858
ENSG0000010279789			ENSG000001098692	-2.20634	5.030637	-0.43858

ENSG000001280211			ENSG000001280211	1.098692	-2.20634	5.030637	-0.43858
ENSG000001261868			ENSG000001261868	1.098692	-2.20634	5.030637	-0.43858
ENSG000001275532			ENSG000001275532	1.098692	-2.20634	5.030637	-0.43858
ENSG00000155771	PRR11	proline rich	ENSG00000155771	1.098692	-2.20634	5.030637	-0.43858
ENSG000001277382			ENSG000001277382	1.098692	-2.20634	5.030637	-0.43858
ENSG00000155034	MOCOS	molybdenum	ENSG00000155034	1.098692	-2.20634	5.030637	-0.43858
ENSG00000110297	APC2	APC2, WNT1	ENSG00000110297	1.098692	-2.20634	5.030637	-0.43858
ENSG0000015623	PSPN	persephin	ENSG0000015623	1.098692	-2.20634	5.030637	-0.43858
ENSG000001268117			ENSG000001268117	1.098692	-2.20634	5.030637	-0.43858
ENSG000001269535			ENSG000001269535	1.098692	-2.20634	5.030637	-0.43858
ENSG000001276578			ENSG000001276578	1.098692	-2.20634	5.030637	-0.43858
ENSG000001275437			ENSG000001275437	1.098692	-2.20634	5.030637	-0.43858
ENSG00000123308	ICOSLG	inducible T	ENSG00000123308	1.098692	-2.20634	5.030637	-0.43858
ENSG000001184441			ENSG000001184441	1.098692	-2.20634	5.030637	-0.43858
ENSG000001229492			ENSG000001229492	1.098692	-2.20634	5.030637	-0.43858
ENSG000001236670			ENSG000001236670	1.098692	-2.20634	5.030637	-0.43858
ENSG000001244671			ENSG000001244671	1.098692	-2.20634	5.030637	-0.43858
ENSG0000012187	FANCB	FA complex	ENSG0000012187	1.098692	-2.20634	5.030637	-0.43858
ENSG0000012258	FGF13	fibroblast g	ENSG0000012258	1.098692	-2.20634	5.030637	-0.43858
ENSG000001224069			ENSG000001224069	1.098692	-2.20634	5.030637	-0.43858
ENSG00000111066	SNRNP35	small nucle	ENSG00000111066	22.69119	-0.52644	1.200354	-0.43857
ENSG00000128972	SPCS1	signal pept	ENSG00000128972	21.72982	0.530437	1.209621	0.438515
ENSG0000016048	RNF5	ring finger	ENSG0000016048	30.34869	0.455369	1.038981	0.438284
ENSG00000164839	FBXL17	F-box and l	ENSG00000164839	72.21383	0.335263	0.765295	0.438084
ENSG00000111152	WDR45	WD repeat	ENSG00000111152	44.06698	0.401065	0.915879	0.437901
ENSG00000154534	MRPL50	mitochond	ENSG00000154534	35.54868	0.428515	0.978793	0.437799
ENSG00000183658	DYNLRB1	dynein ligh	ENSG00000183658	63.47177	0.348807	0.796819	0.437749
ENSG000001400451	FAM174B	family with	ENSG000001400451	10.01888	0.729441	1.666603	0.437681
ENSG00000129994	BAZ2B	bromodorr	ENSG00000129994	130.4307	0.284678	0.650717	0.437483
ENSG0000013029	HAGH	hydroxyacy	ENSG0000013029	53.80389	-0.37734	0.862576	-0.43746
ENSG0000014212	MEIS2	Meis home	ENSG0000014212	47.16453	-0.39663	0.907148	-0.43723
ENSG0000015709	PSMD3	proteasom	ENSG0000015709	68.71073	0.341924	0.782041	0.43722
ENSG000001148789	B3GALNT2	beta-1,3-N	ENSG000001148789	20.44371	-0.55077	1.260062	-0.43709
ENSG000001400818	NBPF9	NBPF mem	ENSG000001400818	15.83184	-0.6142	1.405474	-0.437
ENSG00000126985	AP3M1	adaptor rel	ENSG00000126985	40.69335	0.408335	0.934478	0.436966
ENSG00000125949	SYF2	SYF2 pre-r	ENSG00000125949	28.6229	0.465297	1.065056	0.436875
ENSG00000126030	PLEKHG3	pleckstrin	ENSG00000126030	20.40474	-0.54889	1.256409	-0.43687
ENSG000001835	CASP2	caspase 2	ENSG000001835	24.96129	-0.50948	1.166413	-0.43679
ENSG00000110050619C	LINC00963	long interg	ENSG00000110050619C	34.19757	-0.46889	1.073969	-0.4366
ENSG0000011653	DDX1	DEAD-box	ENSG0000011653	131.8234	0.292337	0.669979	0.436338
ENSG00000111196	SEC23IP	SEC23 inte	ENSG00000111196	42.6922	-0.40735	0.933875	-0.4362
ENSG00000184256	FLYWCH1	FLYWCH-ty	ENSG00000184256	18.11829	-0.57724	1.323544	-0.43613
ENSG00000155343	SLC35C1	solute carr	ENSG00000155343	8.765084	-0.80568	1.847438	-0.4361
ENSG0000019478	CABP1	calcium bir	ENSG0000019478	8.765084	-0.80568	1.847438	-0.4361
ENSG00000110238	DCAF7	DDB1 and	ENSG00000110238	82.23794	-0.32967	0.756086	-0.43602
ENSG00000184895	MIGA2	mitoguardi	ENSG00000184895	38.35942	-0.42582	0.977451	-0.43564
ENSG00000110778	ZNF271P	zinc finger	ENSG00000110778	47.113	-0.39169	0.899903	-0.43526



ENSG000001317649	EIF4E3	eukaryotic	ENSG00000177.63235	-0.3298	0.757792	-0.43521
ENSG000001374	AREG	amphiregulin	ENSG0000013.968423	-1.36301	3.131896	-0.4352
ENSG0000010218226			ENSG0000013.968423	-1.36301	3.131896	-0.4352
ENSG00000179053	ALG8	ALG8, alpha	ENSG00000113.52277	-0.65904	1.51455	-0.43514
ENSG00000157620	STIM2	stromal interaction	ENSG00000120.0103	0.542652	1.24738	0.435034
ENSG000001123879	DCUN1D3	defective in	ENSG00000122.65221	-0.52472	1.206389	-0.43495
ENSG000001254531	LPCAT4	lysophospholipid	ENSG00000140.12262	0.438605	1.008632	0.434851
ENSG00000151199	NIN	ninein	ENSG000001174.3887	0.272166	0.626071	0.434721
ENSG0000019673	SLC25A44	solute carrier	ENSG00000133.83178	-0.44274	1.018451	-0.43472
ENSG00000155904	KMT2E	lysine methyltransferase	ENSG000001138.2462	-0.28271	0.650327	-0.43472
ENSG0000013422	IDI1	isopentenyl diphosphate	ENSG00000123.52348	0.500145	1.150613	0.434677
ENSG00000179836	LONRF3	LON peptide	ENSG0000016.293843	-0.9459	2.176475	-0.4346
ENSG00000127345	KCNMB4	potassium channel	ENSG0000016.690504	0.903578	2.079173	0.434585
ENSG0000019238	TBRG4	transformin	ENSG00000142.68593	-0.40508	0.932492	-0.43441
ENSG00000151125	GOLGA7	golgin A7	ENSG00000126.89711	0.476464	1.096831	0.4344
ENSG00000123513	SCRIB	scribbled protein	ENSG00000113.62334	-0.66995	1.542547	-0.43432
ENSG00000164783	RBM15	RNA binding motif	ENSG00000136.04028	-0.43332	0.997751	-0.43429
ENSG00000179573	TTC13	tetratricopeptide	ENSG00000113.4838	-0.65638	1.51175	-0.43419
ENSG0000016256	RXRA	retinoid X receptor	ENSG00000171.06465	-0.33802	0.778699	-0.43409
ENSG0000019588	PRDX6	peroxiredoxin	ENSG000001252.2341	0.254675	0.586707	0.434075
ENSG0000012967	GTF2H3	general transcription	ENSG00000115.03408	0.604047	1.391762	0.434016
ENSG00000125909	AHCTF1	AT-hook containing	ENSG000001132.3133	-0.29527	0.68033	-0.43401
ENSG00000127163	NAAA	N-acylethanolamine	ENSG00000111.72205	0.676435	1.558612	0.433998
ENSG00000151399	TRAPPC4	trafficking protein	ENSG00000111.72205	0.676435	1.558612	0.433998
ENSG000001339448	C1orf174	chromosome 1	ENSG00000111.13575	-0.71745	1.653268	-0.43396
ENSG000001115024	NT5C3B	5'-nucleotidase	ENSG00000111.13575	-0.71745	1.653268	-0.43396
ENSG000001102724105	ZNF528-AS1	ZNF528 antisense	ENSG00000111.13575	-0.71745	1.653268	-0.43396
ENSG00000125941	TPGS2	tubulin polymerase	ENSG00000136.01766	-0.43135	0.994147	-0.43389
ENSG0000018449	DHX16	DEAH-box protein	ENSG00000133.74494	0.438236	1.010066	0.433869
ENSG00000110926	DBF4	DBF4 zinc finger	ENSG0000013.670112	1.164248	2.68436	0.433716
ENSG00000151121	RPL26L1	ribosomal protein	ENSG0000016.852672	0.85421	1.969888	0.433634
ENSG00000155794	DDX28	DEAD-box protein	ENSG0000016.852672	0.85421	1.969888	0.433634
ENSG0000017733	ZNF180	zinc finger protein	ENSG0000016.852672	0.85421	1.969888	0.433634
ENSG00000157699	CPNE5	copine 5	ENSG00000171.07093	-0.33922	0.782345	-0.4336
ENSG0000017556	ZNF10	zinc finger protein	ENSG00000110.03523	0.737814	1.702301	0.433422
ENSG000001488	ATP2A2	ATPase sarcolemmal	ENSG0000012937.862	-0.21852	0.504188	-0.43341
ENSG000001369	ARAF	A-Raf proto-oncogene	ENSG00000147.75867	0.384016	0.886104	0.433375
ENSG00000184897	TBRG1	transformin	ENSG00000128.6845	0.460486	1.0631	0.433154
ENSG0000014591	TRIM37	tripartite motif	ENSG00000144.29075	0.390676	0.902287	0.432984
ENSG00000123543	RBFOX2	RNA binding motif	ENSG000001151.3791	-0.27792	0.641879	-0.43298
ENSG0000015571	PRKAG1	protein kinase	ENSG00000166.91707	0.34711	0.801923	0.432847
ENSG00000180318	GKAP1	G-kinase associated	ENSG00000115.07305	0.60182	1.390773	0.432723
ENSG0000016875	TAF4B	TATA-box binding	ENSG0000018.416292	0.781623	1.806414	0.432693
ENSG0000019149	DYRK1B	dual specific kinase	ENSG00000113.52905	-0.66687	1.54127	-0.43267
ENSG00000122236	NAPEPLD	N-acyl phospholipid	ENSG00000115.80922	-0.6096	1.410061	-0.43232
ENSG00000179675	FASTKD1	FAST kinase domain	ENSG00000152.76759	0.382581	0.885434	0.432083
ENSG00000154540	FAM193B	family with sequence	ENSG00000127.20876	-0.49265	1.140259	-0.43205

ENSG0000015165	PDK3	pyruvate d	ENSG000001481031	0.635721	1.471536	0.432012
ENSG00000123207	C15orf40	chromosom	ENSG0000012034314	-0.54345	1.25817	-0.43194
ENSG0000018825	LIN7A	lin-7 homo	ENSG0000012699768	0.469836	1.088276	0.431725
ENSG00000154849	DEF8	differential	ENSG0000012872347	0.459069	1.06342	0.431691
ENSG00000190522	YIF1B	Yip1 intera	ENSG0000011008048	0.714957	1.656422	0.431627
ENSG00000123096	IQSEC2	IQ motif ar	ENSG0000011008048	0.714957	1.656422	0.431627
ENSG000001117177	RAB3IP	RAB3A inte	ENSG0000013831038	-0.42784	0.99129	-0.4316
ENSG000001158427	TSTD2	thiosulfate	ENSG0000013377018	-0.43937	1.018624	-0.43134
ENSG00000156262	LRRC8A	leucine ric	ENSG0000014699608	-0.38879	0.901366	-0.43134
ENSG00000155526	DHTKD1	dehydroge	ENSG0000015808515	-0.36353	0.842825	-0.43132
ENSG00000184851	TRIM52	tripartite n	ENSG0000011577025	-0.60728	1.407987	-0.43131
ENSG0000018677	STX10	syntaxin 10	ENSG0000011837881	0.565296	1.310721	0.431286
ENSG00000155041	PLEKHB2	pleckstrin l	ENSG0000016883392	0.337945	0.784037	0.431031
ENSG00000157609	DIP2B	disco inter	ENSG0000018470919	0.316189	0.73363	0.430992
ENSG00000125842	ASF1A	anti-silenci	ENSG0000011671462	0.58496	1.35728	0.43098
ENSG0000016414	SELENOP	selenoprot	ENSG0000012836016	0.483288	1.121847	0.430797
ENSG0000013964	LGALS8	galectin 8	ENSG000001689018	0.334325	0.776086	0.430783
ENSG0000014208	MEF2C	myocyte ei	ENSG0000019357445	0.305863	0.710055	0.430759
ENSG000001133746	JMY	junction m	ENSG0000015790663	-0.35902	0.833474	-0.43076
ENSG000001113174	SAAL1	serum amy	ENSG0000016271218	-0.93467	2.170099	-0.43071
ENSG000001100507433	ZNF571-AS	ZNF571 an	ENSG0000016271218	-0.93467	2.170099	-0.43071
ENSG000001301	ANXA1	annexin A1	ENSG0000017565286	0.335686	0.779462	0.430664
ENSG00000184557	MAP1LC3A	microtubul	ENSG0000011356174	-0.66187	1.536913	-0.43065
ENSG0000012803	GOLGA4	golgin A4	ENSG0000014716874	-0.22961	0.533353	-0.43051
ENSG00000157019	CIAPIN1	cytokine in	ENSG0000013390711	0.428797	0.996036	0.430503
ENSG000001116064	LRRC58	leucine ric	ENSG0000015138418	-0.37703	0.875812	-0.43049
ENSG0000015104	SERPINA5	serpin fam	ENSG0000016316468	-0.95658	2.222786	-0.43035
ENSG0000015802	PTPRS	protein tyr	ENSG0000016316468	-0.95658	2.222786	-0.43035
ENSG00000122803	XRN2	5'-3' exorib	ENSG0000018469912	0.314658	0.731278	0.430286
ENSG00000150848	F11R	F11 recept	ENSG0000011844669	0.548544	1.274911	0.430261
ENSG000001994	CDC25B	cell divisio	ENSG0000012049524	-0.56253	1.3076	-0.4302
ENSG00000158486	ZBED5	zinc finger	ENSG0000013396753	-0.45503	1.057817	-0.43016
ENSG0000015214	PFKP	phosphofru	ENSG0000017581751	0.326792	0.760013	0.429982
ENSG0000016147	RPL23A	ribosomal	ENSG0000016703647	0.339213	0.789147	0.429848
ENSG0000014117	MAK	male germ	ENSG00000168137	0.857925	1.996122	0.429796
ENSG00000100262222			ENSG0000013754727	-1.24675	2.901383	-0.42971
ENSG00000110227	MFSD10	major facil	ENSG0000018726111	-0.80174	1.865864	-0.42969
ENSG0000014064	CD180	CD180 mol	ENSG000001373171	1.119734	2.607503	0.429428
ENSG0000013012	HIST1H2AE	histone clu	ENSG000001373171	1.119734	2.607503	0.429428
ENSG00000139	ACAT2	acetyl-CoA	ENSG000001373171	1.119734	2.607503	0.429428
ENSG000001144608	C12orf60	chromosom	ENSG000001373171	1.119734	2.607503	0.429428
ENSG00000127338	UBE2S	ubiquitin c	ENSG000001373171	1.119734	2.607503	0.429428
ENSG000001641	BLM	BLM RecQ	ENSG0000011654617	0.61394	1.429794	0.42939
ENSG00000192399	MRRF	mitochond	ENSG0000012712454	-0.48597	1.131823	-0.42937
ENSG000001221120	ALKBH3	alkB homo	ENSG0000011493351	0.616157	1.436213	0.429015
ENSG00000181844	TRIM56	tripartite n	ENSG0000017205794	0.338361	0.788709	0.429006
ENSG00000157680	CHD8	chromodor	ENSG000001114204	-0.29073	0.677696	-0.42899

ENSG00000155147	RBM23	RNA bindir	ENSG00000147486	0.380469	0.887361	0.428765
ENSG00000155198	APPL2	adaptor pr	ENSG0000014481648	-0.39735	0.926837	-0.42871
ENSG00000123392	ECPAS	Ecm29 pro	ENSG000001244.0055	-0.2523	0.588508	-0.42871
ENSG0000014735	SEPT2	septin 2	ENSG000001219.5573	0.249775	0.582985	0.428441
ENSG000001140738	TMEM37	transmeml	ENSG0000015.149509	1.011513	2.361069	0.428413
ENSG000001100505658	LOC100505	uncharacte	ENSG0000015.149509	1.011513	2.361069	0.428413
ENSG000001641638	SNHG6	small nucle	ENSG0000018.703486	-0.79358	1.852404	-0.4284
ENSG0000019274	BCL7C	BCL tumor	ENSG0000018.703486	-0.79358	1.852404	-0.4284
ENSG00000154617	INO80	INO80 com	ENSG00000155.75973	-0.36389	0.849484	-0.42836
ENSG0000018878	SQSTM1	sequestosc	ENSG000001179.0123	-0.26336	0.615074	-0.42818
ENSG0000013980	LIG3	DNA ligase	ENSG00000138.2752	-0.421	0.983389	-0.42811
ENSG000001112479	ERI2	ERI1 exorik	ENSG00000110.11946	0.712033	1.663358	0.42807
ENSG0000014242	MFNG	MFNG O-fl	ENSG00000110.11946	0.712033	1.663358	0.42807
ENSG000001119559	SFXN4	sideroflexi	ENSG00000125.18139	0.497353	1.16261	0.42779
ENSG00000154467	ANKIB1	ankyrin re	ENSG00000177.76706	0.319865	0.74775	0.42777
ENSG000001134111	UBE2QL1	ubiquitin c	ENSG00000125.19512	-0.51971	1.215332	-0.42762
ENSG0000015707	PSMD1	proteasom	ENSG000001123.2497	0.2928	0.684726	0.427616
ENSG000001255967	PAN3	poly(A) spe	ENSG00000147.58643	0.387344	0.905921	0.42757
ENSG0000016988	TCTA	T cell leuke	ENSG00000115.74762	-0.60265	1.409948	-0.42743
ENSG0000016668	SP2	Sp2 transcr	ENSG00000115.74762	-0.60265	1.409948	-0.42743
ENSG00000190196	SYS1	SYS1, golgi	ENSG00000124.81546	-0.49762	1.164565	-0.4273
ENSG00000123271	CAMSAP2	calmodulin	ENSG000001129.2336	-0.28049	0.656775	-0.42706
ENSG00000155738	ARFGAP1	ADP ribosy	ENSG00000120.28154	-0.53799	1.260474	-0.42681
ENSG00000164599	GIGYF1	GRB10 inte	ENSG00000144.83911	-0.39885	0.934639	-0.42674
ENSG0000016641	SNTB1	syntrophin	ENSG00000116.79884	0.570352	1.336783	0.42666
ENSG000001374987	NEXN-AS1	NEXN antis	ENSG0000013.654156	-1.21072	2.837972	-0.42661
ENSG000001388939	PCARE	photorece	ENSG0000013.654156	-1.21072	2.837972	-0.42661
ENSG0000014340	MOG	myelin olig	ENSG0000013.654156	-1.21072	2.837972	-0.42661
ENSG000001606553	C8orf49	chromosor	ENSG0000013.654156	-1.21072	2.837972	-0.42661
ENSG0000010240291			ENSG0000013.654156	-1.21072	2.837972	-0.42661
ENSG000001116840	CNTROB	centrobin,	ENSG00000114.99511	0.606553	1.422265	0.426469
ENSG00000157710	KIAA1614	KIAA1614	ENSG00000111.07416	-0.70779	1.660026	-0.42637
ENSG0000019491	PSMF1	proteasom	ENSG00000172.43132	0.330389	0.775399	0.426089
ENSG000001201627	DENND6A	DENN dom	ENSG00000142.61426	-0.40517	0.951037	-0.42603
ENSG00000184614	ZBTB37	zinc finger	ENSG00000170.59869	0.335781	0.788419	0.425892
ENSG0000013693	ITGB5	integrin su	ENSG00000179.60453	-0.32146	0.754801	-0.42589
ENSG0000010257354			ENSG00000111.7057	0.66963	1.57281	0.425754
ENSG00000180306	MED28	mediator c	ENSG00000142.5401	-0.39802	0.934902	-0.42574
ENSG0000013420	IDH3B	isocitrate c	ENSG00000184.83239	0.312966	0.735222	0.425676
ENSG00000179659	DYNC2H1	dynein cyto	ENSG00000129.24254	-0.46128	1.083707	-0.42565
ENSG000001246126	TXLNGY	taxilin gam	ENSG00000140.93974	0.394934	0.928075	0.425541
ENSG000001143187	VTI1A	vesicle trar	ENSG00000131.46739	-0.44818	1.053358	-0.42548
ENSG00000164219	PJA1	praja ring f	ENSG00000115.13465	0.592422	1.392527	0.425429
ENSG000001374900	ZNF568	zinc finger	ENSG00000117.9951	-0.56503	1.328362	-0.42536
ENSG000001642280	ZNF876P	zinc finger	ENSG0000015.272705	0.950573	2.235126	0.425288
ENSG00000154541	DDIT4	DNA dama	ENSG0000015.272705	0.950573	2.235126	0.425288
ENSG0000015091	PC	pyruvate c	ENSG0000015.272705	0.950573	2.235126	0.425288

ENSG00000100111	SRA1	steroid rec	ENSG00000100111	23.6077	0.490032	1.152252	0.425282
ENSG00000105499	PRDX4	peroxiredo	ENSG00000105499	21.92089	0.503816	1.184791	0.425236
ENSG000001123283	TARSL2	threonyl-tF	ENSG000001123283	47.88187	0.378267	0.889611	0.425205
ENSG00000179783	SUGCT	succinyl-Cc	ENSG00000179783	5.311678	0.946453	2.226011	0.425179
ENSG00000185457	CIPC	CLOCK inte	ENSG00000185457	86.31178	-0.31801	0.748204	-0.42504
ENSG00000180207	OPA3	OPA3, oute	ENSG00000180207	58.16309	-0.3653	0.859568	-0.42498
ENSG00000154953	ODR4	odr-4 GPCf	ENSG00000154953	26.99506	-0.47391	1.115219	-0.42495
ENSG00000110335	MRVI1	murine ret	ENSG00000110335	29.26516	-0.46369	1.091221	-0.42493
ENSG00000129916	SNX11	sorting nex	ENSG00000129916	13.36361	0.646291	1.520934	0.424931
ENSG0000011307	COL16A1	collagen ty	ENSG0000011307	15.78659	-0.60506	1.424029	-0.42489
ENSG0000013801	KIFC3	kinesin fan	ENSG0000013801	29.21991	-0.45882	1.079952	-0.42485
ENSG000001113829	SLC35A4	solute carr	ENSG000001113829	46.86661	-0.38184	0.898801	-0.42484
ENSG0000018904	CPNE1	copine 1	ENSG0000018904	22.63587	-0.52591	1.238259	-0.42472
ENSG00000129091	STXBP6	syntaxin bi	ENSG00000129091	39.2303	0.400851	0.943858	0.424695
ENSG000001548645	DNAJC25	DnaJ heat s	ENSG000001548645	11.78365	0.664088	1.563689	0.424693
ENSG00000154020	SLC37A1	solute carr	ENSG00000154020	11.78365	0.664088	1.563689	0.424693
ENSG00000155251	PCMTD2	protein-L-i	ENSG00000155251	105.4115	-0.29399	0.692399	-0.4246
ENSG00000127034	ACAD8	acyl-CoA d	ENSG00000127034	32.28189	0.430703	1.014795	0.424423
ENSG0000018439	NSMAF	neutral sp	ENSG0000018439	37.36497	0.41212	0.971244	0.424321
ENSG00000154908	SPDL1	spindle ap	ENSG00000154908	3.676781	-1.22883	2.896156	-0.4243
ENSG0000019409	PEX16	peroxisom	ENSG0000019409	3.676781	-1.22883	2.896156	-0.4243
ENSG00000110745	PHTF1	putative hc	ENSG00000110745	11.80627	0.654651	1.543112	0.424241
ENSG00000156983	POGLUT1	protein O- $\gamma$	ENSG00000156983	20.25892	-0.53439	1.25982	-0.42418
ENSG0000010239883			ENSG0000010239883	22.50639	-0.51164	1.206309	-0.42414
ENSG00000123122	CLASP2	cytoplasmic	ENSG00000123122	129.5291	-0.28412	0.669971	-0.42407
ENSG00000110476	ATP5PD	ATP syntha	ENSG00000110476	95.55291	0.298672	0.704383	0.424019
ENSG0000016118	RPA2	replication	ENSG0000016118	23.60143	0.496721	1.171704	0.42393
ENSG000001594839	SNORA33	small nucle	ENSG000001594839	3.693129	-1.21945	2.87718	-0.42384
ENSG0000010255085			ENSG0000010255085	3.693129	-1.21945	2.87718	-0.42384
ENSG000001401562	LCNL1	lipocalin lik	ENSG000001401562	3.693129	-1.21945	2.87718	-0.42384
ENSG000001100128098	ST8SIA6-A5	ST8SIA6 an	ENSG000001100128098	3.693129	-1.21945	2.87718	-0.42384
ENSG00000179788	ZNF665	zinc finger	ENSG00000179788	3.693129	-1.21945	2.87718	-0.42384
ENSG00000179029	SPATA5L1	spermatog	ENSG00000179029	6.875298	0.835926	1.972855	0.423714
ENSG0000013150	HMG1	high mobil	ENSG0000013150	37.50451	0.406061	0.958358	0.423704
ENSG00000111015	KDEL3	KDEL endo	ENSG00000111015	8.516863	0.76091	1.796583	0.423532
ENSG00000184869	CBR4	carbonyl re	ENSG00000184869	47.98871	0.371765	0.878856	0.42301
ENSG00000110953	TOMM34	translocase	ENSG00000110953	11.0905	-0.70445	1.667336	-0.4225
ENSG0000017511	XPNPEP1	X-prolyl arr	ENSG0000017511	49.69188	0.370505	0.877104	0.422419
ENSG0000014222	MEOX1	mesenchym	ENSG0000014222	22.62331	-0.51695	1.224153	-0.42229
ENSG00000129920	PYCR2	pyrroline-5	ENSG00000129920	15.68602	-0.59567	1.4106	-0.42228
ENSG0000018824	CES2	carboxyles	ENSG0000018824	105.8691	-0.30111	0.713086	-0.42227
ENSG000001144363	ETFRF1	electron tr	ENSG000001144363	26.9914	0.475287	1.12562	0.422245
ENSG0000019530	BAG4	BCL2 assoc	ENSG0000019530	22.48377	-0.50841	1.204107	-0.42223
ENSG00000111244	ZHX1	zinc finger	ENSG00000111244	65.57342	0.332821	0.788395	0.42215
ENSG00000110969	EBNA1BP2	EBNA1 bin	ENSG00000110969	22.55164	-0.51793	1.227075	-0.42208
ENSG00000184286	TMEM175	transmembr	ENSG00000184286	8.680861	-0.78529	1.86081	-0.42202
ENSG000001199777	ZNF626	zinc finger	ENSG000001199777	8.680861	-0.78529	1.86081	-0.42202

ENSG00000154955	C1orf109	chromosom	ENSG000001620962	-0.91807	2.176762	-0.42176
ENSG000001728841	NBPF8	NBPF mem	ENSG000001620962	-0.91807	2.176762	-0.42176
ENSG000001201973	PRIMPOL	primase an	ENSG000001620962	-0.91807	2.176762	-0.42176
ENSG0000019639	ARHGEF10	Rho guanir	ENSG000001620962	-0.91807	2.176762	-0.42176
ENSG0000018763	CD164	CD164 mol	ENSG000001149.8606	0.27502	0.652074	0.421761
ENSG0000018662	EIF3B	eukaryotic	ENSG00000185.9384	-0.31172	0.739109	-0.42175
ENSG00000155720	TSR1	TSR1, ribos	ENSG00000142.74975	0.385271	0.913627	0.421694
ENSG000001143684	FAM76B	family with	ENSG00000111.7673	0.657346	1.559529	0.421503
ENSG00000180271	ITPKC	inositol-tri	ENSG00000124.70862	-0.48727	1.15702	-0.42114
ENSG0000013992	FADS1	fatty acid d	ENSG00000151.15414	-0.36754	0.872891	-0.42106
ENSG0000018602	NOP14	NOP14 nuc	ENSG00000129.18094	-0.4574	1.08635	-0.42104
ENSG0000013043	HBB	hemoglobi	ENSG000001915.5002	1.293787	3.073371	0.420967
ENSG00000184916	UTP4	UTP4, sma	ENSG00000113.3606	-0.64021	1.521061	-0.4209
ENSG00000190378	SAMD1	sterile alph	ENSG00000113.3606	-0.64021	1.521061	-0.4209
ENSG00000123468	CBX5	chromobo	ENSG000001154.7942	-0.26552	0.630933	-0.42084
ENSG00000151078	THAP4	THAP dom	ENSG00000135.92716	-0.42345	1.006341	-0.42078
ENSG00000160682	SMAP1	small ArfG	ENSG00000116.84409	0.557845	1.326097	0.420667
ENSG00000110499	NCOA2	nuclear rec	ENSG000001179.2462	-0.26549	0.631348	-0.42051
ENSG0000012589	GALNT1	polypeptid	ENSG00000174.43241	0.31939	0.75966	0.420437
ENSG0000019730	DCAF1	DDB1 and	ENSG00000140.19834	-0.40132	0.954651	-0.42039
ENSG000001283237	TTC9C	tetratricop	ENSG0000018.641888	-0.78138	1.859285	-0.42026
ENSG00000179877	DCAKD	dephosphc	ENSG00000123.70827	0.482558	1.148801	0.420054
ENSG0000014499	MT1M	metallothi	ENSG0000019.063004	-0.87715	2.088395	-0.42001
ENSG0000015198	PFAS	phosphorik	ENSG00000113.38323	-0.64553	1.537124	-0.41996
ENSG00000155753	OGDHL	oxoglutar	ENSG0000016.248593	-0.92345	2.19967	-0.41981
ENSG00000127238	GPKOW	G-patch do	ENSG00000117.9335	-0.55889	1.331768	-0.41966
ENSG00000179651	RHBDF2	rhomboid	ENSG00000115.1183	0.587645	1.400508	0.419594
ENSG0000016445	SGCG	sarcoglyca	ENSG00000182.6792	0.32764	0.781037	0.419493
ENSG0000013040	HBA2	hemoglobi	ENSG00000139.53319	1.056785	2.519784	0.419395
ENSG00000179612	NAA16	N(alpha)-a	ENSG00000117.95612	-0.56288	1.34229	-0.41935
ENSG000001339231	ARL16	ADP ribosy	ENSG0000018.539488	0.746944	1.781223	0.419344
ENSG000001203447	NRK	Nik related	ENSG0000018.539488	0.746944	1.781223	0.419344
ENSG0000010230896			ENSG0000013.793308	1.076995	2.568384	0.419328
ENSG000001254128	NIFK-AS1	NIFK antise	ENSG0000013.793308	1.076995	2.568384	0.419328
ENSG0000013779	KCNMB1	potassium	ENSG0000013.793308	1.076995	2.568384	0.419328
ENSG000001171391	LOC171391	uncharacte	ENSG0000013.793308	1.076995	2.568384	0.419328
ENSG000001147007	TMEM199	transmeml	ENSG0000013.793308	1.076995	2.568384	0.419328
ENSG0000010274712			ENSG0000013.793308	1.076995	2.568384	0.419328
ENSG00000179839	CCDC102B	coiled-coil	ENSG0000013.793308	1.076995	2.568384	0.419328
ENSG000001105416157	NKILA	NF-kappaB	ENSG0000013.793308	1.076995	2.568384	0.419328
ENSG00000155862	ECHDC1	ethylmalor	ENSG00000130.6177	0.434196	1.035666	0.419243
ENSG00000110970	CKAP4	cytoskelet	ENSG00000162.09294	0.33877	0.808112	0.419212
ENSG00000151428	DDX41	DEAD-box	ENSG00000115.64705	-0.59333	1.415437	-0.41919
ENSG00000181609	SNX27	sorting nex	ENSG00000190.32402	0.302488	0.721961	0.41898
ENSG00000123130	ATG2A	autophagy	ENSG00000122.44479	-0.50667	1.209374	-0.41895
ENSG0000010274317			ENSG00000122.44479	-0.50667	1.209374	-0.41895
ENSG0000017043	TGFB3	transformi	ENSG00000138.35315	-0.42355	1.011479	-0.41874

ENSG000001231811	ENSG0000017106	TSPAN4	tetraspanin	ENSG000001231811	13.33798	-0.63476	1.516941	-0.41845
ENSG000001231811	ENSG00000123608	MKRN1	makorin ribonuclease	ENSG00000123608	100.8472	0.296009	0.708241	0.41795
ENSG000001231811	ENSG00000123234	DNAJC9	DnaJ heat shock domain containing 9	ENSG00000123234	5.334303	0.921558	2.205972	0.417756
ENSG000001231811	ENSG00000184520	GON7	GON7, KEC	ENSG00000184520	5.334303	0.921558	2.205972	0.417756
ENSG000001231811	ENSG00000122882	ZHX2	zinc finger homeobox 2	ENSG00000122882	81.44345	-0.31183	0.746485	-0.41773
ENSG000001231811	ENSG00000179953	SYNDIG1	synapse dig	ENSG00000179953	13.37695	-0.63747	1.526204	-0.41768
ENSG000001231811	ENSG00000155501	CHST12	carbohydrate sulfotransferase 12	ENSG00000155501	17.91087	-0.55481	1.328874	-0.41751
ENSG000001231811	ENSG00000110908	PNPLA6	patatin like phospholipase A3 domain containing 6	ENSG00000110908	17.91087	-0.55481	1.328874	-0.41751
ENSG000001231811	ENSG00000123196	FAM120A	family with 120 members A	ENSG00000123196	202.3874	0.24699	0.591611	0.417488
ENSG000001231811	ENSG0000015781	PTPN11	protein tyrosine phosphatase non-receptor type 11	ENSG0000015781	286.2473	-0.24005	0.575073	-0.41742
ENSG000001231811	ENSG000000231811			ENSG000000231811	25.29569	-0.52649	1.261846	-0.41724
ENSG000001231811	ENSG0000015605	MAP2K2	mitogen-activated protein kinase 2	ENSG0000015605	42.85032	0.381021	0.913383	0.417153
ENSG000001231811	ENSG00000183858	ATAD3B	ATPase family AAA domain containing 3B	ENSG00000183858	10.98993	-0.69149	1.658448	-0.41695
ENSG000001231811	ENSG00000157579	FAM135A	family with 135 members A	ENSG00000157579	31.33791	-0.4377	1.049842	-0.41692
ENSG000001231811	ENSG00000179086	SMIM7	small intestine mucin 7	ENSG00000179086	15.62443	-0.58866	1.412031	-0.41689
ENSG000001231811	ENSG0000012006	ELN	elastin	ENSG0000012006	27.27415	-0.48877	1.172511	-0.41686
ENSG000001231811	ENSG0000017378	UPP1	uridine phosphorylase 1	ENSG0000017378	13.53206	0.609243	1.461558	0.416845
ENSG000001231811	ENSG0000019276	COPB2	coatamer complex subunit 2	ENSG0000019276	113.8055	-0.28321	0.679707	-0.41666
ENSG000001231811	ENSG00000111171	STRAP	serine/threonine phosphatase related	ENSG00000111171	92.00456	0.303754	0.729191	0.416563
ENSG000001231811	ENSG0000018726	EED	embryonic ectoderm development	ENSG0000018726	11.86787	0.642562	1.542613	0.416541
ENSG000001231811	ENSG00000110038	PARP2	poly(ADP-ribose) polymerase 2	ENSG00000110038	11.86787	0.642562	1.542613	0.416541
ENSG000001231811	ENSG00000190649	ZNF486	zinc finger protein 486	ENSG00000190649	11.8289	0.645204	1.549019	0.416524
ENSG000001231811	ENSG00000155108	BSDC1	BSD domain containing 1	ENSG00000155108	81.61085	0.307293	0.737844	0.416475
ENSG000001231811	ENSG00000123189	KANK1	KN motif a	ENSG00000123189	319.9746	-0.24589	0.590561	-0.41637
ENSG000001231811	ENSG00000155754	TMEM30A	transmembrane protein 30A	ENSG00000155754	137.4429	-0.26983	0.648263	-0.41623
ENSG000001231811	ENSG0000015894	RAF1	Raf-1 proto-oncogene	ENSG0000015894	208.1539	-0.24624	0.591953	-0.41598
ENSG000001231811	ENSG00000165083	NOL6	nucleolar protein 6	ENSG00000165083	37.92824	-0.40476	0.973091	-0.41595
ENSG000001231811	ENSG00000124138	IFIT5	interferon induced protein 5	ENSG00000124138	32.40509	0.42223	1.015207	0.415905
ENSG000001231811	ENSG000000189212			ENSG000000189212	31.29894	-0.43638	1.04965	-0.41574
ENSG000001231811	ENSG00000159343	SENP2	SUMO specific protease 2	ENSG00000159343	44.52484	-0.38391	0.92348	-0.41573
ENSG000001231811	ENSG000001284391	ZNF844	zinc finger protein 844	ENSG000001284391	42.69822	0.392443	0.944434	0.415532
ENSG000001231811	ENSG000000274265			ENSG000000274265	3.631531	-1.19187	2.868349	-0.41553
ENSG000001231811	ENSG00000179846	CFAP69	cilia and flagellum associated protein 69	ENSG00000179846	3.631531	-1.19187	2.868349	-0.41553
ENSG000001231811	ENSG000001203245	NAIF1	nuclear apoptosis inhibitor 1	ENSG000001203245	3.631531	-1.19187	2.868349	-0.41553
ENSG000001231811	ENSG000001405	ARNT	aryl hydrocarbon receptor nuclear translocator like	ENSG000001405	90.3592	0.299371	0.720756	0.415357
ENSG000001231811	ENSG000001283130	SLC25A45	solute carrier family 25 member 45	ENSG000001283130	8.619263	-0.773	1.861354	-0.41529
ENSG000001231811	ENSG0000018324	FZD7	frizzled class 7	ENSG0000018324	27.21255	-0.48454	1.166982	-0.41521
ENSG000001231811	ENSG00000179658	ARHGAP10	Rho GTPase activating protein 10	ENSG00000179658	103.0345	-0.2906	0.699941	-0.41518
ENSG000001231811	ENSG000001152404	IGSF11	immunoglobulin superfamily member 11	ENSG000001152404	3.770683	1.114651	2.684753	0.415178
ENSG000001231811	ENSG00000157732	ZFYVE28	zinc finger FYVE domain containing 28	ENSG00000157732	3.770683	1.114651	2.684753	0.415178
ENSG000001231811	ENSG000000198416			ENSG000000198416	3.770683	1.114651	2.684753	0.415178
ENSG000001231811	ENSG0000016253	RTN2	reticulon 2	ENSG0000016253	3.770683	1.114651	2.684753	0.415178
ENSG000001231811	ENSG0000014643	MYO1E	myosin IE	ENSG0000014643	33.59167	-0.43213	1.041633	-0.41485
ENSG000001231811	ENSG00000122834	ZNF652	zinc finger protein 652	ENSG00000122834	76.34926	0.311784	0.751805	0.414714
ENSG000001231811	ENSG00000154681	P4HTM	prolyl 4-hydroxylase	ENSG00000154681	18.63148	0.525971	1.268288	0.414709
ENSG000001231811	ENSG00000181554	RCC1L	RCC1 like	ENSG00000181554	62.48332	-0.35427	0.854337	-0.41467
ENSG000001231811	ENSG0000017385	UQCRC2	ubiquinol-cytochrome b reductase core 2	ENSG0000017385	449.2322	0.23448	0.565503	0.414641

ENSG0000018801	SUCLG2	succinate-CoA	95.73143	0.295424	0.712566	0.414592
ENSG00000110910	SUGT1	SGT1 homodimer	126.555	-0.27334	0.659957	-0.41418
ENSG00000164282	TENT4B	terminal nucleotide transferase	18.59251	0.527915	1.275016	0.414046
ENSG00000155173	MRPS10	mitochondrial ribosomal protein S10	44.66033	0.372296	0.89968	0.413809
ENSG00000179746	ECHDC3	enoyl-CoA hydratase domain containing 3	40.49377	-0.41106	0.993506	-0.41375
ENSG00000110404	CPQ	carboxypeptidase Y	42.91192	0.377843	0.913822	0.413476
ENSG0000010272054			ENSG0000013592558	-1.18321	2.862461	-0.41336
ENSG00000179867	TCTN2	tectonic domain containing 2	ENSG0000013592558	-1.18321	2.862461	-0.41336
ENSG00000191133	L3MBTL4	L3MBTL4, histone H3-binding protein	ENSG0000013592558	-1.18321	2.862461	-0.41336
ENSG00000190576	ZNF799	zinc finger protein 799	ENSG0000013592558	-1.18321	2.862461	-0.41336
ENSG00000181031	SLC2A10	solute carrier family 2 member 10	ENSG0000013592558	-1.18321	2.862461	-0.41336
ENSG000001100507290	ZNF865	zinc finger protein 865	ENSG0000016186995	-0.90662	2.195494	-0.41294
ENSG0000018570	KHSRP	KH-type domain-containing protein	ENSG0000015107619	-0.36567	0.885772	-0.41282
ENSG0000013267	AGFG1	ArfGAP with GTPase-activating protein domain	ENSG0000011052392	-0.29195	0.707485	-0.41267
ENSG00000154904	NSD3	nuclear domain-containing protein 3	ENSG0000018992801	-0.29932	0.725667	-0.41247
ENSG000001101735302	STAG3L5P	stromal antigen 3-like protein 5	ENSG0000016148022	-0.90129	2.186543	-0.4122
ENSG0000010228065			ENSG0000016148022	-0.90129	2.186543	-0.4122
ENSG000001521	ATP5ME	ATP synthase subunit 5	ENSG0000012027932	0.509951	1.237516	0.412076
ENSG00000130836	DNTTIP2	deoxynucleoside triphosphate triphosphatase 2	ENSG0000015874821	0.336765	0.817366	0.412012
ENSG0000013658	IREB2	iron response element binding protein 2	ENSG0000017481415	-0.31645	0.768076	-0.412
ENSG0000016489	ST8SIA1	ST8 alpha-mannosidase	ENSG0000016170647	-0.9126	2.21547	-0.41192
ENSG0000017122	CLDN5	claudin 5	ENSG0000016170647	-0.9126	2.21547	-0.41192
ENSG0000018242	KDM5C	lysine demethylase 5C	ENSG0000017483678	-0.31735	0.770451	-0.4119
ENSG000001617	BCS1L	BCS1 homodimer	ENSG000001156018	-0.58398	1.417945	-0.41185
ENSG00000110714	POLD3	DNA polymerase delta	ENSG000001156018	-0.58398	1.417945	-0.41185
ENSG00000129767	TMOD2	tropomodulin 2	ENSG0000014817978	0.360581	0.875623	0.411799
ENSG00000154977	SLC25A38	solute carrier family 25 member 38	ENSG0000012033464	0.511144	1.241373	0.411757
ENSG000001139231	FAM199X	family with sequence similarity 199 member X	ENSG0000014443434	-0.37757	0.917082	-0.41171
ENSG00000184455	EFCAB7	EF-hand calcium-binding domain containing 7	ENSG0000011096731	-0.68485	1.664231	-0.41151
ENSG00000190203	SNX21	sorting nexin 21	ENSG0000011096731	-0.68485	1.664231	-0.41151
ENSG000001975	CD81	CD81 molecule	ENSG0000011757466	-0.25174	0.612102	-0.41127
ENSG0000016419	SETMAR	SET domain-containing protein	ENSG0000011556283	-0.58162	1.414259	-0.41126
ENSG00000155909	BIN3	bridging integrator 3	ENSG0000018601086	0.729929	1.774995	0.411229
ENSG00000126520	TIMM9	translocase of inner mitochondrial membrane 9	ENSG0000018601086	0.729929	1.774995	0.411229
ENSG000001258010	SVIP	small VCP interacting protein	ENSG0000012722773	0.447438	1.088135	0.411197
ENSG000001373156	GSTK1	glutathione S-transferase K1	ENSG000001151041	0.258288	0.62818	0.411169
ENSG00000151335	NGRN	neugrin, neurexin ligand	ENSG000001201131	-0.51974	1.264525	-0.41102
ENSG00000155139	ANKZF1	ankyrin repeat domain-containing protein 1	ENSG0000013575492	-0.41927	1.021376	-0.4105
ENSG0000019915	ARNT2	aryl hydrocarbon receptor nuclear translocator 2	ENSG0000018658236	-0.77718	1.893278	-0.41049
ENSG0000019020	MAP3K14	mitogen-activated protein kinase 14	ENSG0000012037989	0.501253	1.221125	0.410484
ENSG0000019406	ZRANB2	zinc finger protein 2	ENSG0000015173193	0.352012	0.857779	0.410377
ENSG000001101929147	WARS2-AS1	WARS2 antisense 1	ENSG0000011095096	-0.68823	1.678111	-0.41012
ENSG00000184168	ANTXR1	ANTXR cell surface receptor	ENSG0000019454367	-0.29978	0.731578	-0.40977
ENSG0000016629	SNRNPB2	small nuclear ribonucleoprotein B2	ENSG000001186541	0.520444	1.270369	0.40968
ENSG00000179709	COLGALT1	collagen beta-1-galactosyltransferase	ENSG0000014295717	0.373645	0.912447	0.409498
ENSG0000015236	PGM1	phosphoglucomutase 1	ENSG0000012081707	0.240867	0.588558	0.40925
ENSG0000018395	PIP5K1B	phosphatidylinositol (5)-phosphate 3-kinase class B	ENSG0000015534489	-0.34879	0.85239	-0.40919

ENSG0000015256	PHKA2	phosphory	ENSG0000014887776	-0.36678	0.896493	-0.40912
ENSG0000015051	PFAH2	platelet ac	ENSG0000012015207	-0.52169	1.275201	-0.40911
ENSG0000017328	UBE2H	ubiquitin c	ENSG0000011829801	0.250503	0.612451	0.409017
ENSG00000192597	MOB1B	MOB kinas	ENSG0000017680543	0.353596	0.864524	0.409006
ENSG00000128962	OSTM1	osteoclast	ENSG0000014004624	-0.39136	0.956963	-0.40896
ENSG000001122060	SLAIN1	SLAIN moti	ENSG0000011026528	0.672371	1.644136	0.408951
ENSG0000012664	GDI1	GDP dissoc	ENSG0000018150021	0.308085	0.753401	0.408925
ENSG00000155013	MCUB	mitochond	ENSG0000016975868	0.810502	1.983714	0.408578
ENSG000001122509	IFI27L1	interferon	ENSG0000016975868	0.810502	1.983714	0.408578
ENSG00000151585	PCF11	PCF11, clea	ENSG0000018166238	0.304033	0.744161	0.408558
ENSG0000019577	BABAM2	BRISC and	ENSG0000013242144	0.423668	1.03745	0.408374
ENSG0000011121	CHM	CHM, Rab	ENSG0000013589564	0.407917	0.999063	0.408299
ENSG00000179669	C3orf52	chromosom	ENSG0000015395901	0.893184	2.188263	0.40817
ENSG0000010249850			ENSG0000015395901	0.893184	2.188263	0.40817
ENSG0000012649	NR6A1	nuclear rec	ENSG0000015395901	0.893184	2.188263	0.40817
ENSG000001348180	CTU2	cytosolic tr	ENSG0000015395901	0.893184	2.188263	0.40817
ENSG000001100505812	CARD8-AS1	CARD8 ant	ENSG0000015395901	0.893184	2.188263	0.40817
ENSG0000011116	FGFR1OP	FGFR1 onc	ENSG0000018557665	-0.76062	1.863776	-0.40811
ENSG00000185444	LRRCC1	leucine ric	ENSG0000018557665	-0.76062	1.863776	-0.40811
ENSG00000123373	CRTC1	CREB regul	ENSG0000018557665	-0.76062	1.863776	-0.40811
ENSG0000019352	TXNL1	thioredoxin	ENSG0000016926511	0.324055	0.794284	0.407983
ENSG0000012063	NR2F6	nuclear rec	ENSG0000011335433	-0.63219	1.549956	-0.40787
ENSG00000180381	CD276	CD276 mol	ENSG0000012380884	0.474983	1.165083	0.407682
ENSG00000155658	RNF126	ring finger	ENSG0000016998493	0.793062	1.946558	0.407418
ENSG00000157333	RCN3	reticulocal	ENSG0000016998493	0.793062	1.946558	0.407418
ENSG0000019717	SEC14L5	SEC14 like	ENSG0000012603487	-0.58173	1.428394	-0.40727
ENSG00000111156	PTP4A3	protein tyr	ENSG0000011542398	-0.25845	0.634718	-0.40719
ENSG000001123355	LRRC28	leucine ric	ENSG0000011855353	0.53011	1.302026	0.407143
ENSG0000016622	SNCA	synuclein a	ENSG0000011024265	0.683257	1.67824	0.407127
ENSG00000122901	ARSG	arylsulfata	ENSG0000011024265	0.683257	1.67824	0.407127
ENSG00000155471	NDUFAF7	NADH:ubiqu	ENSG0000012464074	-0.47849	1.175547	-0.40704
ENSG000001585	BBS4	Bardet-Bie	ENSG000001155402	-0.5769	1.417468	-0.40699
ENSG0000011738	DLD	dihydrolip	ENSG0000012364406	0.256624	0.630551	0.406983
ENSG00000179586	CHPF	chondroitin	ENSG0000013602511	0.396543	0.974421	0.406953
ENSG00000129058	TMEM230	transmembr	ENSG0000015710037	0.33659	0.82745	0.406779
ENSG00000151377	UCHL5	ubiquitin C	ENSG0000014445069	-0.37703	0.926964	-0.40674
ENSG0000019146	HGS	hepatocyte	ENSG0000013119209	-0.4281	1.052855	-0.40661
ENSG0000015977	DPF2	double PHI	ENSG0000014871559	-0.36103	0.888475	-0.40635
ENSG000001757	TMEM50B	transmembr	ENSG0000014123138	0.37727	0.928599	0.406279
ENSG0000012314	FLII	FLII, actin r	ENSG0000011734702	-0.25033	0.616246	-0.40622
ENSG00000110076	PTPRU	protein tyr	ENSG0000013582031	-0.41641	1.025406	-0.4061
ENSG00000156888	KCMF1	potassium	ENSG0000016579091	0.327491	0.806493	0.406068
ENSG00000179172	CENPO	centromere	ENSG0000013854906	1.03548	2.550183	0.406041
ENSG0000012859	GPR35	G protein-c	ENSG0000013854906	1.03548	2.550183	0.406041
ENSG00000181789	TIGD6	tigger tran	ENSG0000013854906	1.03548	2.550183	0.406041
ENSG0000010253854			ENSG0000013854906	1.03548	2.550183	0.406041
ENSG000001388011	LINC01550	long interg	ENSG0000013854906	1.03548	2.550183	0.406041



ENSG0000018573	CASK	calcium/calmodulin-dependent protein kinase II	ENSG0000012672605	-0.4544	1.119254	-0.40599
ENSG000001414	ARSD	arylsulfatase	ENSG0000011097359	-0.69448	1.710609	-0.40598
ENSG00000184337	ELOF1	elongation factor 1	ENSG0000011321478	-0.61836	1.523524	-0.40587
ENSG0000016595	SMARCA2	SWI/SNF related, corepressor	ENSG0000012359469	-0.23962	0.590537	-0.40577
ENSG0000010244480			ENSG0000013569933	-1.16391	2.869156	-0.40566
ENSG000001135932	TMEM139	transmembrane protein	ENSG0000013569933	-1.16391	2.869156	-0.40566
ENSG000001729732	LOC729732	uncharacterized protein	ENSG0000013569933	-1.16391	2.869156	-0.40566
ENSG000001101927472	LOC101927	uncharacterized protein	ENSG0000013569933	-1.16391	2.869156	-0.40566
ENSG00000126260	FBXO25	F-box protein 25	ENSG0000013554122	-0.40499	0.998532	-0.40559
ENSG000001388558	ZNF808	zinc finger protein 808	ENSG0000013554122	-0.40499	0.998532	-0.40559
ENSG00000110897	YIF1A	Yip1 interacting factor 1A	ENSG000001153031	0.559902	1.380474	0.405587
ENSG000001440193	CCDC88C	coiled-coil domain containing 88C	ENSG000001153031	0.559902	1.380474	0.405587
ENSG0000018897	MTMR3	myotubularin related 3	ENSG000001153031	0.559902	1.380474	0.405587
ENSG00000179654	HECTD3	HECT domain containing 3	ENSG0000012231532	-0.4919	1.21299	-0.40552
ENSG0000019880	ZBTB39	zinc finger protein 39	ENSG0000011090571	-0.67497	1.66466	-0.40547
ENSG00000125777	SUN2	Sad1 and domain 2	ENSG0000017064602	-0.32864	0.810516	-0.40547
ENSG00000151375	SNX7	sorting nexin 7	ENSG0000011550123	-0.57455	1.417304	-0.40538
ENSG000001121441	NEDD1	neural precursor cell expressed, developmentally downregulated 1	ENSG0000012371455	0.476031	1.174297	0.405375
ENSG00000111178	LZTS1	leucine zipper transcription factor 1	ENSG0000016125397	-0.88964	2.195142	-0.40528
ENSG000001171425	CLYBL	citrate lyase	ENSG0000016125397	-0.88964	2.195142	-0.40528
ENSG000001148137	PROSER3	proline and arginine 3	ENSG0000016125397	-0.88964	2.195142	-0.40528
ENSG00000110044	SH2D3C	SH2 domain containing 3C	ENSG0000012039624	0.504245	1.245989	0.404695
ENSG00000179954	NOL10	nucleolar protein 10	ENSG0000013075725	0.426873	1.054999	0.404619
ENSG000001153830	RNF145	ring finger protein 145	ENSG0000016568655	0.326544	0.807456	0.404411
ENSG00000151710	ZNF44	zinc finger protein 44	ENSG0000013555757	-0.40417	0.999408	-0.40441
ENSG00000184271	POLDIP3	DNA polymerase delta interacting protein 3	ENSG0000015081724	-0.35292	0.872819	-0.40434
ENSG00000123558	WBP2	WW domain containing 2	ENSG0000019060938	0.295787	0.731686	0.404254
ENSG000001255877	BCL6B	B cell CLL/lymphoma 6B	ENSG0000012001253	-0.51229	1.267323	-0.40423
ENSG00000149861	CLDN20	claudin 20	ENSG0000013615184	-1.20101	2.975748	-0.4036
ENSG00000125816	TNFAIP8	TNF alpha 1 protein 8	ENSG0000011534207	0.55768	1.382965	0.403249
ENSG00000151642	MRPL48	mitochondrial ribosomal protein L48	ENSG0000011520253	0.571612	1.417796	0.403169
ENSG0000017266	DNAJC7	DnaJ heat shock protein 7	ENSG0000015512112	-0.34157	0.847747	-0.40292
ENSG0000016734	SRPRA	SRP receptor	ENSG0000011090642	-0.27775	0.689658	-0.40273
ENSG0000012592	GALT	galactose-4-epimerase	ENSG0000018518692	-0.75663	1.879367	-0.4026
ENSG0000017376	NR1H2	nuclear receptor 1H2	ENSG000001288893	-0.43683	1.08549	-0.40243
ENSG0000010260912			ENSG0000011086674	-0.67178	1.669813	-0.40231
ENSG0000010263142			ENSG0000011086674	-0.67178	1.669813	-0.40231
ENSG000001285367	RPUSD3	RNA pseudouridine C-to-U cytosine deaminase 3	ENSG0000011780402	-0.54043	1.343578	-0.40223
ENSG0000015990	RFX2	regulatory factor X2	ENSG0000011348681	0.624229	1.551965	0.402219
ENSG0000015893	RAD52	RAD52 homolog	ENSG0000011319216	-0.61279	1.524295	-0.40202
ENSG000001200030	NBPF11	NBPF membrane protein 11	ENSG0000016086424	-0.88429	2.199729	-0.402
ENSG0000010248124			ENSG0000016086424	-0.88429	2.199729	-0.402
ENSG0000010259623			ENSG0000016086424	-0.88429	2.199729	-0.402
ENSG000001163255	ZNF540	zinc finger protein 540	ENSG0000016086424	-0.88429	2.199729	-0.402
ENSG00000123047	PDS5B	PDS5 cohesin subunit B	ENSG0000017027395	-0.31487	0.783294	-0.40198
ENSG0000011836	SLC26A2	solute carrier 26A2	ENSG0000012738989	0.435927	1.084765	0.401863
ENSG0000011495	CTNNA1	catenin alpha 1	ENSG0000015151897	-0.21243	0.528705	-0.40179

ENSG00000179876	UBA5	ubiquitin li	ENSG0000013547962	-0.40177	0.999992	-0.40177
ENSG0000013421	IDH3G	isocitrate c	ENSG0000013261251	0.406724	1.012407	0.401739
ENSG00000110314	LANCL1	LanC like 1	ENSG0000017094565	0.325163	0.809819	0.401526
ENSG0000019885	OSBPL2	oxysterol b	ENSG0000016376785	-0.32431	0.807825	-0.40146
ENSG0000011070	CETN3	centrin 3	ENSG0000011531945	0.564422	1.406111	0.401407
ENSG00000157510	XPO5	exportin 5	ENSG0000012890565	-0.43573	1.08596	-0.40124
ENSG00000110730	YME1L1	YME1 like	ENSG00000112825	0.262962	0.655376	0.401238
ENSG0000011286	COL4A4	collagen ty	ENSG0000015367142	0.338309	0.843198	0.401222
ENSG0000019101	USP8	ubiquitin s	ENSG0000017255661	-0.31795	0.792709	-0.4011
ENSG000001347734	SLC35B2	solute carr	ENSG0000011867673	0.515055	1.284193	0.401073
ENSG0000014738	NEDD8	neural pre	ENSG0000012562513	0.447289	1.115922	0.400824
ENSG00000110884	MRPS30	mitochond	ENSG0000017481794	-0.31404	0.783492	-0.40082
ENSG00000111319	ECD	ecdysonele	ENSG0000012451754	-0.46927	1.170876	-0.40078
ENSG0000018428	STK24	serine/thr	ENSG0000015712927	0.332979	0.831416	0.400496
ENSG000001285349	ZNF660	zinc finger	ENSG0000018496067	-0.74815	1.868114	-0.40048
ENSG000001114880	OSBPL6	oxysterol b	ENSG0000011365526	0.588281	1.470091	0.400166
ENSG000001117246	FTSJ3	FtsJ RNA m	ENSG0000014418795	-0.36713	0.917504	-0.40014
ENSG000001120526	DNAJC24	DnaJ heat	ENSG000001153647	0.55079	1.376805	0.400049
ENSG00000179858	NEK11	NIMA relat	ENSG0000018640059	0.726318	1.815776	0.400004
ENSG000001388567	ZNF749	zinc finger	ENSG0000018640059	0.726318	1.815776	0.400004
ENSG0000011036	CDO1	cysteine di	ENSG0000018623711	0.716411	1.792322	0.399711
ENSG00000100279453			ENSG000001853504	-0.75218	1.882348	-0.3996
ENSG0000014175	MCM6	minichrom	ENSG0000011682775	0.554475	1.388232	0.399411
ENSG00000157602	USP36	ubiquitin s	ENSG0000013991297	-0.38866	0.973378	-0.39929
ENSG0000011460	CSNK2B	casein kina	ENSG000001610905	-0.89555	2.243632	-0.39915
ENSG0000017775	ZNF232	zinc finger	ENSG000001610905	-0.89555	2.243632	-0.39915
ENSG00000110990	LILRB5	leukocyte i	ENSG0000012460059	0.540722	1.354716	0.39914
ENSG000001157922	CAMSAP1	calmodulin	ENSG0000015992785	-0.34608	0.867168	-0.39909
ENSG0000019904	RBM19	RNA bindir	ENSG0000013762025	-0.38956	0.976137	-0.39908
ENSG0000015423	POLB	DNA polyn	ENSG0000011706786	0.530977	1.331247	0.398857
ENSG00000100259943			ENSG000001353096	-1.15511	2.896383	-0.39881
ENSG00000154964	C1orf56	chromosor	ENSG000001353096	-1.15511	2.896383	-0.39881
ENSG0000014636	MYL5	myosin lig	ENSG000001353096	-1.15511	2.896383	-0.39881
ENSG000001223117	SEMA3D	semaphori	ENSG000001353096	-1.15511	2.896383	-0.39881
ENSG00000193100	NAPRT	nicotinate	ENSG000001353096	-1.15511	2.896383	-0.39881
ENSG00000100223984			ENSG000001353096	-1.15511	2.896383	-0.39881
ENSG000001114990	VASN	vasorin	ENSG000001353096	-1.15511	2.896383	-0.39881
ENSG00000180152	CENPT	centromer	ENSG0000011317581	-0.61554	1.54345	-0.39881
ENSG00000110664	CTCF	CCCTC-bin	ENSG000001485308	-0.35385	0.887351	-0.39877
ENSG00000123414	ZFPM2	zinc finger	ENSG0000015723912	-0.33473	0.839454	-0.39874
ENSG00000157658	CALCOCO1	calcium bir	ENSG0000011922456	-0.24066	0.604029	-0.39843
ENSG00000123077	MYCBP2	MYC bindir	ENSG0000012353811	-0.23613	0.59267	-0.39842
ENSG0000014298	MLLT1	MLLT1, su	ENSG0000014414897	-0.36612	0.919578	-0.39814
ENSG00000160496	AASDHPPT	aminoadip	ENSG0000012559623	0.456881	1.147829	0.39804
ENSG0000018879	SGPL1	sphingosin	ENSG0000012885032	-0.43538	1.094403	-0.39782
ENSG00000192521	SPECC1	sperm anti	ENSG0000014446703	-0.37661	0.94681	-0.39777
ENSG0000011459	CSNK2A2	casein kina	ENSG0000015065508	-0.34742	0.873434	-0.39776

ENSG0000012039	DMTN	dematin ac	ENSG00000172.70282	0.317037	0.797294	0.397641
ENSG00000258634			ENSG0000017.060091	0.772077	1.94209	0.397549
ENSG00000112611	RWDD2A	RWD domæ	ENSG0000017.060091	0.772077	1.94209	0.397549
ENSG00000155119	PRPF38B	pre-mRNA	ENSG00000139.66776	0.373195	0.938813	0.397518
ENSG00000126073	POLDIP2	DNA polyn	ENSG000001117.8668	-0.27524	0.692513	-0.39745
ENSG00000110201	NME6	NME/NM2	ENSG00000110.88309	-0.66833	1.682244	-0.39728
ENSG00000179752	ZFAND1	zinc finger	ENSG00000119.9283	-0.50303	1.266797	-0.39709
ENSG00000180232	WDR26	WD repeat	ENSG000001170.9927	-0.24674	0.621393	-0.39708
ENSG00000110208	USPL1	ubiquitin s	ENSG00000125.68673	0.44195	1.113052	0.397061
ENSG00000110903	MTMR11	myotubula	ENSG0000016.063799	-0.87249	2.197567	-0.39703
ENSG000001222696	ZSCAN23	zinc finger	ENSG0000016.063799	-0.87249	2.197567	-0.39703
ENSG0000012762	GMDS	GDP-mann	ENSG0000015.457499	0.865324	2.179803	0.396973
ENSG00000110077	TSPAN32	tetraspanir	ENSG0000015.457499	0.865324	2.179803	0.396973
ENSG0000015971	RELB	RELB proto	ENSG0000015.457499	0.865324	2.179803	0.396973
ENSG00000125782	RAB3GAP2	RAB3 GTPa	ENSG00000183.82942	0.293765	0.740149	0.3969
ENSG0000016187	RPS2	ribosomal	ENSG000001194.7928	0.252686	0.636687	0.396876
ENSG00000179101	TAF1D	TATA-box k	ENSG00000130.90935	0.410266	1.033935	0.3968
ENSG000001261729	STEAP2	STEAP2 me	ENSG00000128.80507	-0.43038	1.08466	-0.39678
ENSG00000155731	FAM222B	family with	ENSG00000129.19991	0.419265	1.057279	0.396551
ENSG00000164434	NOM1	nucleolar p	ENSG00000124.378	-0.46138	1.16349	-0.39655
ENSG000001738	VPS51	VPS51, GAI	ENSG00000124.378	-0.46138	1.16349	-0.39655
ENSG00000110021	HCN4	hyperpolar	ENSG00000118.81627	0.503687	1.270582	0.396422
ENSG00000179894	ZNF672	zinc finger	ENSG00000125.7257	0.440412	1.11102	0.396403
ENSG000001161742	SPRED1	sprouty rel	ENSG00000157.14483	-0.33344	0.841224	-0.39638
ENSG00000160491	NIF3L1	NGG1 inte	ENSG00000115.32572	0.553112	1.395428	0.396374
ENSG000001158234	TRMT10B	tRNA meth	ENSG00000115.32572	0.553112	1.395428	0.396374
ENSG00000151503	CWC15	CWC15 spl	ENSG00000141.4099	0.370635	0.935067	0.396373
ENSG00000184629	TNRC18	trinucleoti	ENSG00000137.67557	-0.38997	0.983945	-0.39633
ENSG000001815	CAMK2A	calcium/ca	ENSG00000118.6252	0.534128	1.348109	0.396205
ENSG000001253827	MSRB3	methionin	ENSG000001148.0533	0.251456	0.634903	0.396054
ENSG0000015529	PPP2R5E	protein ph	ENSG00000155.50405	0.331117	0.836045	0.396052
ENSG00000155109	AGGF1	angiogenic	ENSG00000146.73936	0.350697	0.88557	0.396013
ENSG00000123200	ATP11B	ATPase ph	ENSG000001104.9688	0.277319	0.7008	0.395718
ENSG0000016502	SKP2	S-phase kir	ENSG00000110.3495	0.647476	1.636673	0.395605
ENSG0000016655	SOS2	SOS Ras/R	ENSG00000199.91211	0.277385	0.701418	0.395463
ENSG0000019823	ARMCX2	armadillo r	ENSG00000128.98359	-0.43873	1.109492	-0.39544
ENSG0000018647	ABCB11	ATP bindin	ENSG0000016.484915	-1.00597	2.546564	-0.39503
ENSG00000151021	MRPS16	mitochond	ENSG00000160.88884	0.319095	0.807836	0.395
ENSG000001400916	CHCHD10	coiled-coil-	ENSG000001122.0864	-0.27144	0.687285	-0.39494
ENSG0000011488	CTBP2	C-terminal	ENSG00000136.19356	0.383895	0.972125	0.394903
ENSG000001114327	EFHC1	EF-hand dc	ENSG00000113.19843	-0.62076	1.571933	-0.3949
ENSG00000154888	NSUN2	NOP2/Sun	ENSG00000148.5104	0.344748	0.87306	0.394873
ENSG000001141	ADPRH	ADP-ribosy	ENSG00000118.8389	0.498281	1.26261	0.394644
ENSG00000154935	DUSP23	dual specif	ENSG0000013.508335	-1.13549	2.877739	-0.39458
ENSG000001353497	POLN	DNA polyn	ENSG0000013.508335	-1.13549	2.877739	-0.39458
ENSG000001389813	AJM1	apical junc	ENSG0000013.508335	-1.13549	2.877739	-0.39458
ENSG00000125906	ANAPC15	anaphase p	ENSG0000013.508335	-1.13549	2.877739	-0.39458

ENSG000001274561			ENSG0000013508335	-1.13549	2.877739	-0.39458
ENSG00000179647	AKIRIN1	akirin 1	ENSG00000176.81942	0.298677	0.756975	0.394567
ENSG0000018760	CDS2	CDP-diacyl	ENSG000001271.1168	-0.22593	0.572739	-0.39447
ENSG00000181558	FAM117A	family with	ENSG00000110.80514	-0.6618	1.677731	-0.39446
ENSG00000191010	FMNL3	formin like	ENSG00000139.69039	0.370912	0.941104	0.394125
ENSG00000154629	MINDY2	MINDY lys	ENSG000001108.6556	-0.27061	0.686657	-0.3941
ENSG000001278730			ENSG00000124.39435	-0.46001	1.167765	-0.39392
ENSG00000156963	RGMA	repulsive g	ENSG00000117.64186	-0.52575	1.336022	-0.39352
ENSG00000155176	SEC61A2	Sec61 tran	ENSG0000018.473442	-0.73958	1.879944	-0.3934
ENSG00000129995	LMCD1	LIM and cy	ENSG00000135.37905	-0.39729	1.010019	-0.39335
ENSG00000125520	ELMOD2	ELMO dom	ENSG00000136.18728	0.387713	0.98578	0.393306
ENSG00000155758	RCOR3	REST corep	ENSG00000162.69885	0.314632	0.800134	0.393225
ENSG00000155668	GPATCH2L	G-patch do	ENSG00000180.73697	-0.29388	0.747537	-0.39313
ENSG000001285598	ARL10	ADP ribosy	ENSG00000125.74833	0.436634	1.110779	0.393088
ENSG000001149420	PDIK1L	PDLIM1 int	ENSG0000018.457095	-0.74406	1.89301	-0.39306
ENSG000001400961	PAIP2B	poly(A) bin	ENSG000001194.8023	-0.24316	0.618929	-0.39287
ENSG000001126075	CCDC159	coiled-coil	ENSG0000018.724282	0.69639	1.77382	0.392594
ENSG00000165005	MRPL9	mitochond	ENSG0000017.021119	0.775954	1.977119	0.392467
ENSG000001144577	C12orf66	chromosor	ENSG0000017.021119	0.775954	1.977119	0.392467
ENSG00000184971	ATG4D	autophagy	ENSG00000110.78251	-0.65504	1.66955	-0.39235
ENSG00000155011	PIH1D1	PIH1 doma	ENSG00000115.38732	0.543992	1.386799	0.392264
ENSG0000015393	EXOSC9	exosome c	ENSG00000117.15208	0.516837	1.317655	0.39224
ENSG0000018034	SLC25A16	solute carr	ENSG00000126.5576	-0.44042	1.123087	-0.39215
ENSG00000126149	ZNF658	zinc finger	ENSG00000110.82149	-0.6583	1.679254	-0.39202
ENSG00000156886	UGGT1	UDP-glucosyl	ENSG000001115.0159	-0.2653	0.676925	-0.39192
ENSG000001161424	NOP9	NOP9 nucle	ENSG00000129.2615	0.414593	1.057961	0.391879
ENSG0000016662	SOX9	SRY-box 9	ENSG00000124.01626	0.453567	1.158848	0.391394
ENSG000001658	BMPRI1B	bone morph	ENSG0000016.024826	-0.86707	2.216307	-0.39122
ENSG00000179087	ALG12	ALG12, al	ENSG0000016.024826	-0.86707	2.216307	-0.39122
ENSG0000017128	TNFAIP3	TNF alpha i	ENSG00000118.63776	0.517498	1.322831	0.391205
ENSG0000016776	STAT5A	signal tran	ENSG00000134.3672	0.393983	1.007224	0.391157
ENSG0000014931	NVL	nuclear VC	ENSG00000115.35541	-0.5555	1.420811	-0.39097
ENSG000001340267	COL28A1	collagen ty	ENSG00000110.38847	0.644508	1.649843	0.390648
ENSG0000016183	MRPS12	mitochond	ENSG00000110.38847	0.644508	1.649843	0.390648
ENSG0000014695	NDUFA2	NADH:ubiqui	ENSG00000112.07529	0.597734	1.530364	0.390583
ENSG0000017804	LRP8	LDL recept	ENSG0000013.916504	0.994881	2.549455	0.390233
ENSG000001228242			ENSG0000013.916504	0.994881	2.549455	0.390233
ENSG00000155300	PI4K2B	phosphatic	ENSG0000013.916504	0.994881	2.549455	0.390233
ENSG00000111113	CIT	citron rho-	ENSG0000013.916504	0.994881	2.549455	0.390233
ENSG00000184837	ARHGAP5-	ARHGAP5 ;	ENSG0000013.916504	0.994881	2.549455	0.390233
ENSG000001148022	TICAM1	toll like rec	ENSG0000013.916504	0.994881	2.549455	0.390233
ENSG000001284306	ZNF547	zinc finger	ENSG0000013.916504	0.994881	2.549455	0.390233
ENSG00000123386	NUDCD3	NudC dom	ENSG000001113.3555	-0.27397	0.702109	-0.39021
ENSG00000180700	UBXN6	UBX domai	ENSG00000137.99729	0.377118	0.966529	0.390177
ENSG00000123432	GPR161	G protein-c	ENSG00000113.06896	-0.59614	1.528064	-0.39013
ENSG0000017692	ZNF133	zinc finger	ENSG00000113.06896	-0.59614	1.528064	-0.39013
ENSG0000016996	TDG	thymine DI	ENSG00000124.29378	-0.45373	1.163517	-0.38997

ENSG00000157102	C12orf4	chromosom	ENSG00000157102	24.02254	0.447118	1.146836	0.389871
ENSG00000110928	RALBP1	ralA bindin	ENSG00000110928	91.36215	-0.28094	0.720633	-0.38986
ENSG00000184314	TMEM107	transmembr	ENSG00000184314	5.434874	0.888022	2.277974	0.38983
ENSG00000110907	TXNL4A	thioredoxin	ENSG00000110907	29.24516	0.412757	1.058875	0.389807
ENSG000001162989	DEDD2	death effec	ENSG000001162989	12.03632	0.600388	1.540496	0.389737
ENSG00000104670	HNRNPM	heterogen	ENSG00000104670	76.50724	-0.30234	0.776352	-0.38944
ENSG00000105693	PSMB5	proteasom	ENSG00000105693	50.72674	-0.34748	0.892331	-0.38941
ENSG00000110520	ZNF211	zinc finger	ENSG00000110520	17.61923	-0.52156	1.339599	-0.38934
ENSG000001057599	WDR48	WD repeat	ENSG000001057599	48.59462	0.340159	0.873804	0.389285
ENSG000001253461	ZBTB38	zinc finger	ENSG000001253461	226.0229	-0.22906	0.588678	-0.38911
ENSG00000101979	EIF4EBP2	eukaryotic	ENSG00000101979	423.5259	-0.20735	0.533071	-0.38897
ENSG00000100513	ATP5F1D	ATP syntha	ENSG00000100513	33.08633	-0.39874	1.025538	-0.38881
ENSG000001023279	NUP160	nucleoporin	ENSG000001023279	39.61505	-0.37108	0.955716	-0.38828
ENSG000001002746	GLUD1	glutamate	ENSG000001002746	123.4033	0.256127	0.659756	0.388215
ENSG000001116461	TSEN15	tRNA splici	ENSG000001116461	18.77102	0.513969	1.323975	0.388201
ENSG000001079685	SAP30L	SAP30 like	ENSG000001079685	52.63353	-0.33573	0.864904	-0.38817
ENSG000001055776	SAYS1D	SAYS1D	ENSG000001055776	6.002201	-0.85517	2.203205	-0.38815
ENSG000001058509	CACTIN	cactin, splic	ENSG000001058509	6.002201	-0.85517	2.203205	-0.38815
ENSG000001000100	ADA	adenosine	ENSG000001000100	6.002201	-0.85517	2.203205	-0.38815
ENSG000001100272228	LINC00894	long interg	ENSG000001100272228	6.002201	-0.85517	2.203205	-0.38815
ENSG000001022858	ICK	intestinal c	ENSG000001022858	45.05882	0.349247	0.899967	0.388067
ENSG000001008314	BAP1	BRCA1 ass	ENSG000001008314	50.42098	0.334656	0.862663	0.387934
ENSG0000010378805	LINC-PINT	long interg	ENSG0000010378805	61.56183	-0.33002	0.850964	-0.38782
ENSG000001005589	PRKCSH	protein kin	ENSG000001005589	43.96418	-0.35822	0.92389	-0.38773
ENSG000001007132	TNFRSF1A	TNF recept	ENSG000001007132	76.80516	-0.31112	0.802466	-0.38771
ENSG0000010023262	PPIP5K2	diphospho	ENSG0000010023262	82.89015	-0.2932	0.756251	-0.3877
ENSG0000010023118	TAB2	TGF-beta a	ENSG0000010023118	114.8311	-0.26215	0.676599	-0.38745
ENSG0000010010539	GLRX3	glutaredox	ENSG0000010010539	33.0926	-0.4018	1.037625	-0.38723
ENSG0000010080273	GRPEL1	GrpE like 1	ENSG0000010080273	41.89522	-0.36668	0.947033	-0.38719
ENSG000001000506365	OTUD6B-A	OTUD6B ar	ENSG000001000506365	39.85256	0.362975	0.937861	0.387025
ENSG00000100010040	TOM1L1	target of m	ENSG00000100010040	8.746907	0.683138	1.765117	0.387021
ENSG0000010065267	WNK3	WNK lysine	ENSG0000010065267	8.746907	0.683138	1.765117	0.387021
ENSG00000100115196	ZNF554	zinc finger	ENSG00000100115196	8.411844	-0.72689	1.879562	-0.38673
ENSG00000100647024	C6orf132	chromosom	ENSG00000100647024	7.121689	0.751322	1.942942	0.386693
ENSG0000010079161	TMEM243	transmembr	ENSG0000010079161	7.121689	0.751322	1.942942	0.386693
ENSG0000010029950	SERTAD1	SERTA dom	ENSG0000010029950	7.121689	0.751322	1.942942	0.386693
ENSG000001005925	RB1	RB transcri	ENSG000001005925	87.52739	0.287007	0.742244	0.386675
ENSG0000010010922	FASTK	Fas activat	ENSG0000010010922	22.05258	-0.47317	1.223919	-0.3866
ENSG000001001613	DAPK3	death asso	ENSG000001001613	22.05258	-0.47317	1.223919	-0.3866
ENSG000001008776	MTMR1	myotubula	ENSG000001008776	27.57469	0.420965	1.088952	0.386578
ENSG0000010010963	STIP1	stress indu	ENSG0000010010963	78.50584	-0.29319	0.75849	-0.38655
ENSG0000010056851	EMC7	ER membr	ENSG0000010056851	25.8489	0.429798	1.112065	0.386487
ENSG00000100283298	OLFML1	olfactomec	ENSG00000100283298	10.75989	-0.64822	1.677663	-0.38638
ENSG000001008846	ALKBH1	alkB homo	ENSG000001008846	10.75989	-0.64822	1.677663	-0.38638
ENSG0000010084309	NUDT16L1	nudix hydr	ENSG0000010084309	10.75989	-0.64822	1.677663	-0.38638
ENSG0000010010120	ACTR1B	ARP1 actin	ENSG0000010010120	50.42503	-0.33771	0.87408	-0.38636
ENSG0000010084890	ADO	2-aminoet	ENSG0000010084890	20.64891	0.469454	1.215103	0.386349

ENSG00000164398	FND10	fibronectin	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000110192	LOC101928303	uncharacterized	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000110028	LINC01699	long intergenic	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102067			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102705			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102309			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000110192	DARS-AS1	DARS antisense	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102307			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102237			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102402			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000110242	KCNMB2	potassium channel	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000110815	CPLX1	complexin	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG0000011259	CNGA1	cyclic nucleotide-gated	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102491			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102169	FABP2	fatty acid binding	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102490			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000116735	NIM1K	NIM1 serine/threonine	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102471			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000110254	LINC02039	long intergenic	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102342			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102254			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102726			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000107903	PVRIG	PVR related	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102447			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102532			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102861	NKAIN3	sodium/potassium	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102700			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102714			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102599			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102435			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102173	FAM241B	family with	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102439			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102296			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000110087	PCDH9-AS1	PCDH9 antisense	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102328			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102714			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102314			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000104504	MT3	metallothionein	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000112377	C16orf46	chromosome 16	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000110272	LINC02188	long intergenic	ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102699			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102606			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000101548			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102604			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102608			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102802			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628
ENSG00000102635			ENSG00000107606	1.076067	-2.16123	5.595043	-0.38628

ENSG0000010253730			ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG0000010265100			ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG0000010265490			ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG000001147429	AQP4-AS1	AQP4 antis	ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG0000010267587			ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG00000102587	GALR1	galanin rec	ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG000001079883	PODNL1	podocan lil	ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG0000010236754			ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG000001101928969	RHOXF1-AS1	RHOXF1 antis	ENSG000001076067	-2.16123	5.595043	-0.38628
ENSG00000108850	KAT2B	lysine acet	ENSG000001162.2682	0.248261	0.643024	0.386084
ENSG000001010845	CLPX	caseinolyti	ENSG00000177.00422	0.29338	0.760111	0.38597
ENSG00000108303	SNN	stannin	ENSG00000148.69519	0.336408	0.872105	0.385743
ENSG00000109135	RABEP1	rabaptin, R	ENSG000001121.1914	-0.25757	0.667764	-0.38572
ENSG000001091452	ACBD5	acyl-CoA bi	ENSG00000196.6227	0.273835	0.709997	0.385685
ENSG0000010134957	STXBP5	syntaxin bi	ENSG00000162.83839	0.310836	0.805978	0.385663
ENSG000001029766	TMOD3	tropomod	ENSG00000165.65581	-0.31152	0.807771	-0.38565
ENSG000001055631	LRRC40	leucine ric	ENSG00000117.21368	0.508745	1.319366	0.385598
ENSG00000108737	RIPK1	receptor in	ENSG00000133.11523	-0.4039	1.047563	-0.38556
ENSG00000109534	ZNF254	zinc finger	ENSG00000135.44693	-0.403	1.045248	-0.38556
ENSG00000109353	SLIT2	slit guidanc	ENSG00000133.02473	-0.39527	1.025891	-0.3853
ENSG0000010261734	NPHP4	nephrocyst	ENSG0000016.047452	-0.87818	2.279883	-0.38519
ENSG000001023380	SRGAP2	SLIT-ROBO	ENSG00000136.23881	0.378887	0.983711	0.385161
ENSG0000010353274	ZNF445	zinc finger	ENSG00000182.65383	-0.28633	0.743523	-0.3851
ENSG00000101729	DIAPH1	diaphanous	ENSG000001144.7048	0.24768	0.643507	0.384892
ENSG000001054566	EPB41L4B	erythrocyte	ENSG00000144.19802	-0.36452	0.94718	-0.38485
ENSG000001079624	ARMT1	acidic resid	ENSG00000118.92312	0.485592	1.262127	0.384741
ENSG000001027291	R3HCC1L	R3H domain	ENSG00000113.72313	0.565012	1.468864	0.384659
ENSG0000010128240	NAXE	NAD(P)HX	ENSG00000138.12677	0.36642	0.95285	0.384552
ENSG00000101650	DDOST	dolichyl-di	ENSG00000173.55892	0.292432	0.76071	0.38442
ENSG0000010347918	EP400P1	EP400 pset	ENSG00000119.78248	-0.48805	1.270246	-0.38422
ENSG00000104659	PPP1R12A	protein ph	ENSG000001128.9012	0.250494	0.652019	0.384182
ENSG0000010154810	AMOTL1	angiomotin	ENSG000001126.0761	-0.26405	0.687309	-0.38418
ENSG00000109751	SNPH	syntaphilin	ENSG00000115.65712	-0.58534	1.523988	-0.38408
ENSG000001079890	RIN3	Ras and Ra	ENSG00000122.39732	0.451296	1.1752	0.384016
ENSG00000102048	EPHB2	EPH recept	ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG000001084140	FAM161A	FAM161A, s	ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG0000010219433			ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG0000010441273	SPDYE2	speedy/RI	ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG0000010254162			ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG000001010912	GADD45G	growth arr	ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG0000010230224			ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG0000010250659			ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG000001026011	TENM4	teneurin tr	ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG000001051062	ATL1	atlastin GT	ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG0000010100507410	C1QTNF1-1	C1QTNF1 antis	ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG00000107512	XPNPEP2	X-prolyl arr	ENSG0000012.398135	1.229516	3.202511	0.383923
ENSG000001080208	SPG11	SPG11, spa	ENSG000001164.7419	0.236855	0.61695	0.383912

ENSG00000155349	CHDH	choline de	ENSG00000155349	13.00736	-0.58775	1.531526	-0.38377
ENSG00000155791	LRIF1	ligand dep	ENSG00000155791	15.44264	0.545864	1.422421	0.383757
ENSG0000019866	TRIM66	tripartite r	ENSG0000019866	17.19105	0.514558	1.34142	0.383592
ENSG00000126286	ARFGAP3	ADP ribosy	ENSG00000126286	45.08145	0.347315	0.905576	0.383529
ENSG0000014804	NGFR	nerve grow	ENSG0000014804	29.56936	-0.48797	1.273155	-0.38328
ENSG000001648791	PPP1R3G	protein ph	ENSG000001648791	13.8237	0.552324	1.44138	0.383191
ENSG0000015833	PCYT2	phosphate	ENSG0000015833	28.83777	-0.4284	1.118109	-0.38315
ENSG0000013300	DNAJB2	DnaJ heat s	ENSG0000013300	58.97119	-0.31684	0.827471	-0.3829
ENSG00000123181	DIP2A	disco inter	ENSG00000123181	58.97119	-0.31684	0.827471	-0.3829
ENSG00000129121	CLEC2D	C-type lect	ENSG00000129121	15.34835	0.546705	1.427953	0.38286
ENSG0000014061	LY6E	lymphocyt	ENSG0000014061	28.66553	-0.42347	1.106196	-0.38282
ENSG00000184513	PLPP5	phospholip	ENSG00000184513	13.05261	-0.59878	1.564737	-0.38267
ENSG000001960	CD44	CD44 mole	ENSG000001960	72.09312	0.335329	0.876339	0.382647
ENSG00000180063	ATF7IP2	activating t	ENSG00000180063	36.30041	0.375137	0.980424	0.382627
ENSG00000155090	MED9	mediator c	ENSG00000155090	30.79988	-0.40366	1.055179	-0.38255
ENSG0000014034	LRCH4	leucine ric	ENSG0000014034	3.446737	-1.10655	2.893624	-0.38241
ENSG000001136051	ZNF786	zinc finger	ENSG000001136051	3.446737	-1.10655	2.893624	-0.38241
ENSG0000010253842			ENSG0000010253842	3.446737	-1.10655	2.893624	-0.38241
ENSG0000010253106			ENSG0000010253106	3.446737	-1.10655	2.893624	-0.38241
ENSG00000123413	NCS1	neuronal c	ENSG00000123413	3.446737	-1.10655	2.893624	-0.38241
ENSG0000011033	CDKN3	cyclin depe	ENSG0000011033	3.446737	-1.10655	2.893624	-0.38241
ENSG0000019369	NRXN3	neurexin 3	ENSG0000019369	3.446737	-1.10655	2.893624	-0.38241
ENSG000001161725	OTUD7A	OTU deubi	ENSG000001161725	3.446737	-1.10655	2.893624	-0.38241
ENSG0000010267694			ENSG0000010267694	3.446737	-1.10655	2.893624	-0.38241
ENSG000001148103	ZNF599	zinc finger	ENSG000001148103	3.446737	-1.10655	2.893624	-0.38241
ENSG000001221496	LEMD2	LEM domai	ENSG000001221496	26.39543	-0.43034	1.125351	-0.3824
ENSG000001653567	TMEM236	transmembr	ENSG000001653567	3.469363	-1.12629	2.945596	-0.38236
ENSG00000181689	ISCA1	iron-sulfur	ENSG00000181689	71.97711	-0.29859	0.781597	-0.38202
ENSG00000123211	ZC3H4	zinc finger	ENSG00000123211	37.32861	-0.37343	0.977612	-0.38198
ENSG000001387893	KMT5A	lysine metl	ENSG000001387893	35.20433	-0.38385	1.005082	-0.38191
ENSG0000013364	HUS1	HUS1 chec	ENSG0000013364	17.19733	0.504875	1.322144	0.381861
ENSG00000110443	N4BP2L2	NEDD4 bin	ENSG00000110443	285.0208	0.213489	0.559105	0.381841
ENSG00000179899	PRR5L	proline ric	ENSG00000179899	5.480124	0.842253	2.206012	0.381799
ENSG00000184705	GTPBP3	GTP bindin	ENSG00000184705	5.480124	0.842253	2.206012	0.381799
ENSG00000179442	LRRC2	leucine ric	ENSG00000179442	356.2016	-0.22737	0.595554	-0.38178
ENSG0000012252	FGF7	fibroblast g	ENSG0000012252	53.98568	0.323493	0.84746	0.38172
ENSG0000016194	RPS6	ribosomal	ENSG0000016194	430.4033	0.211823	0.555389	0.381397
ENSG0000018543	LMO4	LIM domai	ENSG0000018543	27.65891	0.412586	1.081805	0.381387
ENSG00000125875	LETMD1	LETM1 don	ENSG00000125875	21.96836	-0.46476	1.218831	-0.38132
ENSG000001728190	NUTM2A- <del>AS</del>	NUTM2A a	ENSG000001728190	15.27119	-0.54345	1.425292	-0.38129
ENSG000001153222	CREBRF	CREB3 regl	ENSG000001153222	113.153	-0.27391	0.718433	-0.38126
ENSG0000019698	PUM1	pumilio RN	ENSG0000019698	125.2551	-0.25264	0.662671	-0.38124
ENSG00000183941	TM2D1	TM2 doma	ENSG00000183941	15.54949	0.523761	1.373996	0.381195
ENSG00000157134	MAN1C1	mannosida	ENSG00000157134	30.76091	-0.40232	1.056427	-0.38083
ENSG00000151499	TRIAP1	TP53 regul	ENSG00000151499	10.4727	0.620187	1.629193	0.380671
ENSG00000122927	HABP4	hyaluronar	ENSG00000122927	26.41178	-0.42908	1.127289	-0.38063
ENSG0000015813	PURA	purine rich	ENSG0000015813	129.4974	-0.25027	0.657622	-0.38057



ENSG00000196383	RILPL2	Rab interact	ENSG000001069829	-0.63808	1.677459	-0.38039
ENSG00000184624	FNDC1	fibronectin	ENSG0000013547308	-1.14566	3.014995	-0.37999
ENSG00000110838	ZNF275	zinc finger	ENSG0000012194573	-0.46142	1.21449	-0.37993
ENSG00000125879	DCAF13	DDB1 and C	ENSG0000011898472	0.478337	1.259195	0.379875
ENSG0000015599	MAPK8	mitogen-act	ENSG0000012857503	-0.41338	1.08846	-0.37978
ENSG00000155610	VPS50	VPS50, EAF	ENSG0000013469154	0.37569	0.989301	0.379753
ENSG00000154807	ZNF586	zinc finger	ENSG0000011749603	-0.50888	1.340227	-0.37969
ENSG0000015690	PSMB2	proteasom	ENSG0000014879576	0.332651	0.876167	0.379666
ENSG00000129902	FAM216A	family with	ENSG0000015963229	-0.84959	2.237927	-0.37963
ENSG00000179980	DSN1	DSN1 hom	ENSG0000015963229	-0.84959	2.237927	-0.37963
ENSG00000155175	KLHL11	kelch like f	ENSG0000018350246	-0.71411	1.881178	-0.37961
ENSG00000185026	ARRDC1-A	ARRDC1 ar	ENSG0000017144314	0.734541	1.935191	0.379571
ENSG00000192342	METTL18	methyltran	ENSG0000013877531	1.000374	2.635931	0.379514
ENSG0000011062	CENPE	centromer	ENSG0000013877531	1.000374	2.635931	0.379514
ENSG00000164121	RRAGC	Ras relatec	ENSG0000011298474	-0.58205	1.533889	-0.37946
ENSG00000192797	HELB	DNA helica	ENSG0000018808505	0.666815	1.757611	0.379387
ENSG00000164863	METTL4	methyltran	ENSG0000018808505	0.666815	1.757611	0.379387
ENSG00000160559	SPCS3	signal pept	ENSG0000011416492	0.241827	0.637702	0.379216
ENSG00000127332	ZNF638	zinc finger	ENSG0000012634744	-0.21626	0.570334	-0.37918
ENSG000001682	BSG	basigin (Ok	ENSG0000017262586	-0.2178	0.574431	-0.37915
ENSG00000154676	GTPBP2	GTP bindin	ENSG0000013294678	-0.3927	1.035823	-0.37912
ENSG0000018661	EIF3A	eukaryotic	ENSG000001346378	-0.20837	0.550148	-0.37875
ENSG00000179777	ACBD4	acyl-CoA b	ENSG0000015940603	-0.83765	2.212154	-0.37866
ENSG00000110150	MBNL2	muscleblin	ENSG0000011677106	-0.23433	0.618891	-0.37863
ENSG000001359948	IRF2BP2	interferon	ENSG000001847819	-0.28207	0.745287	-0.37847
ENSG00000155920	RCC2	regulator c	ENSG0000012241995	0.446919	1.181179	0.378367
ENSG00000110916	MAGED2	MAGE fam	ENSG0000019680749	0.269623	0.712774	0.378273
ENSG00000123225	NUP210	nucleopori	ENSG0000017099064	0.767264	2.028987	0.378151
ENSG00000110657	KHDRBS1	KH RNA bir	ENSG0000016752362	-0.30259	0.800397	-0.37805
ENSG00000155603	TENT5A	terminal n	ENSG0000011040211	0.260969	0.690546	0.377916
ENSG00000151678	MPP6	membrane	ENSG0000011065932	-0.63483	1.680091	-0.37786
ENSG00000126071	RTL8A	retrotransp	ENSG0000011065932	-0.63483	1.680091	-0.37786
ENSG0000014601	MXI1	MAX intera	ENSG0000011081339	-0.26043	0.689282	-0.37783
ENSG0000015993	RFX5	regulatory	ENSG0000013471416	0.373033	0.987325	0.377822
ENSG00000155611	OTUB1	OTU deubi	ENSG0000012420733	0.430126	1.138645	0.377753
ENSG00000110486	CAP2	cyclase ass	ENSG0000011237628	0.248736	0.659029	0.377428
ENSG00000171	ACTG1	actin gamn	ENSG0000012667774	0.21754	0.576515	0.377337
ENSG000001221830	TWISTNB	TWIST neig	ENSG0000011902369	0.476412	1.263537	0.377046
ENSG000001144245	ALG10B	ALG10B, al	ENSG0000011902369	0.476412	1.263537	0.377046
ENSG00000156256	SERTAD4	SERTA dor	ENSG000001348571	-1.11603	2.963277	-0.37662
ENSG0000018572	PDLIM4	PDZ and LI	ENSG000001348571	-1.11603	2.963277	-0.37662
ENSG0000010271553			ENSG000001348571	-1.11603	2.963277	-0.37662
ENSG0000010250132			ENSG000001348571	-1.11603	2.963277	-0.37662
ENSG0000014440	MSI1	musashi R	ENSG000001348571	-1.11603	2.963277	-0.37662
ENSG000001199699	DAND5	DAN doma	ENSG000001348571	-1.11603	2.963277	-0.37662
ENSG00000151226	COPZ2	coatomer p	ENSG000001138853	0.542265	1.439891	0.376602
ENSG0000019456	HOMER1	homer scaf	ENSG0000016636791	0.30762	0.817161	0.37645

ENSG0000017157	TP53	tumor prot	ENSG00000119.89561	-0.50573	1.344353	-0.37619
ENSG000001130540	ALS2CR12	amyotroph	ENSG0000018.389219	-0.71835	1.909678	-0.37616
ENSG000001115557	ARHGEF25	Rho guanir	ENSG0000018.389219	-0.71835	1.909678	-0.37616
ENSG0000017694	ZNF135	zinc finger	ENSG0000018.389219	-0.71835	1.909678	-0.37616
ENSG000001100287932	TIMM23	translocase	ENSG00000137.28336	-0.36956	0.98295	-0.37597
ENSG0000017249	TSC2	TSC compl	ENSG00000160.96599	-0.30746	0.818052	-0.37584
ENSG000001100288778	WASH8P	WAS prote	ENSG0000018.707934	0.687084	1.828587	0.375746
ENSG00000100000238231			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001343052	LOC343052	immunogl	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000225338			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000155509	BATF3	basic leucir	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000230461			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000228470			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001100616141	MIR4428	microRNA	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000225234			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001100505716	LOC100505	uncharacte	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000172	ACTG2	actin, gami	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001129804	FBLN7	fibulin 7	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000235258			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000268896			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001654841	LOC654841	uncharacte	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000213055			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000224080			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000244226			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000203647			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000244932			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001101927597	NCK1-DT	NCK1 diver	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000279320			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000110861	SLC26A1	solute carr	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000243260			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000279098			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001105377348	LOC105377	uncharacte	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000249806			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG0000010000012561	GABRB2	gamma-arr	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG0000010000013662	IRF4	interferon	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001629	CFB	compleme	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000231842			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001101927630	LOC101927	uncharacte	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001100861514	ELMO1-AS	ELMO1 ant	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000228434			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000269899			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000253471			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000254281			ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000123349	PHF24	PHD finger	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001220869	CBWD5	COBW don	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG000001000001102466518	MIR6081	microRNA	ENSG0000011.037094	-2.12647	5.659764	-0.37572
ENSG00000100000233998			ENSG0000011.037094	-2.12647	5.659764	-0.37572

ENSG000001229206			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001272983			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001272140			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG0000011244	ABCC2	ATP bindin	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001100505839	SH3PXD2A	SH3PXD2A	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001232259			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001224295			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001227097			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001256557			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001273890			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001275759			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001228886			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001101927780	LINC01303	long interg	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001258443			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG0000011735	DIO3	iodothyron	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001211937			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001211947			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001283663	LINC00926	long interg	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001279162			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001260276			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG0000016338	SCNN1B	sodium ch	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001493829	TRIM72	tripartite n	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001261369			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001277954			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG0000014619	MYH1	myosin he	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001266302			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001124923	SGK494	uncharacte	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG00000157151	LYZL6	lysozyme li	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG0000013214	HOXB4	homeobox	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001100133319	PRO1804	uncharacte	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001262663			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001274370			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001265477			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG00000163895	PIEZO2	piezo type	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001279077			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001268087			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001268947			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001280162			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001232136			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG00000180307	FER1L4	fer-1 like f	ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001211648			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG000001213279			ENSG000001037094	-2.12647	5.659764	-0.37572
ENSG0000017474	WNT5A	Wnt family	ENSG0000013939129	0.960112	2.556857	0.375505
ENSG000001399972	GSEC	G-quadrup	ENSG0000013939129	0.960112	2.556857	0.375505
ENSG00000184962	AJUBA	ajuba LIM	ENSG0000013939129	0.960112	2.556857	0.375505
ENSG0000014664	NAB1	NGFI-A bin	ENSG00000164.87845	0.297909	0.793616	0.375381
ENSG00000180143	SIKE1	suppressor	ENSG00000119.69826	-0.47862	1.275307	-0.3753

ENSG0000010495	ENOX2	ecto-NOX c	ENSG00000119.69826	-0.47862	1.275307	-0.3753
ENSG000001134266	GRPEL2	GrpE like 2	ENSG00000125.99472	0.415558	1.107405	0.375254
ENSG00000154558	SPATA6	spermatog	ENSG00000121.92939	-0.4629	1.234249	-0.37504
ENSG000001284611	FAM102B	family with	ENSG00000127.74313	0.404235	1.077868	0.375032
ENSG000001131616	TMEM42	transmembr	ENSG0000017.183287	0.730755	1.948757	0.374985
ENSG000001285386	TPRG1	tumor prot	ENSG0000018.311274	-0.71005	1.89362	-0.37497
ENSG00000123258	DENND5A	DENN dom	ENSG000001228.0018	0.217579	0.58038	0.37489
ENSG00000125974	MMACHC	metabolism	ENSG00000124.2259	-0.44476	1.186551	-0.37483
ENSG00000110573	MRPL28	mitochond	ENSG00000115.24856	-0.53863	1.43701	-0.37483
ENSG00000179642	ARSJ	arylsulfatase	ENSG0000015.541722	0.815147	2.175222	0.374742
ENSG0000019055	PRC1	protein reg	ENSG0000015.541722	0.815147	2.175222	0.374742
ENSG00000110587	TXNRD2	thioredoxin	ENSG00000117.47341	-0.50465	1.347266	-0.37457
ENSG0000017165	TPD52L2	TPD52 like	ENSG00000189.88799	0.268507	0.716907	0.374535
ENSG00000110087	COL4A3BP	collagen ty	ENSG00000158.84172	-0.31129	0.831213	-0.3745
ENSG0000012744	GLS	glutaminase	ENSG00000196.84647	0.268993	0.718298	0.374487
ENSG00000110795	ZNF268	zinc finger	ENSG00000128.51971	-0.41301	1.103441	-0.37429
ENSG00000181928	CABLES2	Cdk5 and A	ENSG00000110.63669	-0.62789	1.678649	-0.37405
ENSG00000155634	KRBOX4	KRAB box c	ENSG00000110.63669	-0.62789	1.678649	-0.37405
ENSG000001148867	SLC30A7	solute carr	ENSG00000136.38463	0.368963	0.986554	0.373992
ENSG0000019373	PLAA	phospholip	ENSG00000141.71789	0.35417	0.94743	0.373822
ENSG0000017691	ZNF132	zinc finger	ENSG00000112.92314	-0.57357	1.534823	-0.37371
ENSG0000019937	DCLRE1A	DNA cross-	ENSG00000115.53314	0.519396	1.390588	0.373508
ENSG00000151729	WBP11	WW doma	ENSG00000180.25425	-0.28081	0.752234	-0.37331
ENSG00000156647	BCCIP	BRCA2 and	ENSG00000126.28858	-0.42044	1.126379	-0.37327
ENSG000001338596	ST8SIA6	ST8 alpha-I	ENSG00000119.73723	-0.48064	1.288806	-0.37294
ENSG0000011183	CLCN4	chloride vc	ENSG00000163.54788	-0.31514	0.846163	-0.37244
ENSG000001388272	C16orf87	chromosom	ENSG00000113.84005	0.557059	1.495978	0.372371
ENSG000001342527	SMTNL2	smoothelin	ENSG00000113.84005	0.557059	1.495978	0.372371
ENSG00000192595	ZNF764	zinc finger	ENSG00000110.53429	0.6067	1.629355	0.372356
ENSG00000110471	PFDN6	prefoldin s	ENSG00000112.12054	0.580026	1.557995	0.37229
ENSG0000010239665			ENSG00000121.95201	-0.46606	1.251903	-0.37228
ENSG0000013895	KTN1	kinectin 1	ENSG000001596.8744	0.192453	0.517095	0.372181
ENSG00000184068	SLC10A7	solute carr	ENSG0000018.288648	-0.70124	1.88481	-0.37205
ENSG0000015372	PMM1	phosphom	ENSG0000018.288648	-0.70124	1.88481	-0.37205
ENSG000001129607	CMPK2	cytidine/ur	ENSG00000112.22111	0.565663	1.521228	0.371846
ENSG00000151706	CYB5R1	cytochrom	ENSG000001100.0843	0.274943	0.73952	0.371786
ENSG000001285971	ZNF775	zinc finger	ENSG0000013.978102	0.954923	2.569171	0.371685
ENSG000001119504	ANAPC16	anaphase p	ENSG000001158.0336	0.232944	0.626826	0.371625
ENSG0000019950	GOLGA5	golgin A5	ENSG00000140.09895	0.349435	0.940352	0.3716
ENSG000001123096	SLC25A29	solute carr	ENSG00000117.3595	0.486833	1.310263	0.371554
ENSG0000015334	PLCL1	phospholip	ENSG000001198.3716	0.234281	0.630831	0.371385
ENSG00000184759	PCGF1	polycomb g	ENSG0000017.205912	0.714346	1.923507	0.371377
ENSG00000184102	SLC41A2	solute carr	ENSG0000017.205912	0.714346	1.923507	0.371377
ENSG00000179567	RIPOR1	RHO family	ENSG0000017.205912	0.714346	1.923507	0.371377
ENSG00000194039	ZNF101	zinc finger	ENSG0000017.205912	0.714346	1.923507	0.371377
ENSG00000157231	SNX14	sorting nex	ENSG00000138.29521	0.354612	0.955081	0.37129
ENSG00000123787	MTCH1	mitochond	ENSG000001161.0072	-0.23169	0.624058	-0.37126

ENSG0000017390	UROS	uroporphyr	ENSG000001341473	0.367891	0.990942	0.371254
ENSG00000157614	RELCH	RAB11 bind	ENSG000001541931	0.314447	0.847037	0.371232
ENSG0000014784	NFIX	nuclear fac	ENSG0000011017837	-0.26498	0.713809	-0.37122
ENSG00000155111	PLEKHJ1	pleckstrin f	ENSG0000011963666	-0.47291	1.275055	-0.37089
ENSG00000154805	CNNM2	cyclin and	ENSG0000011739546	-0.50034	1.349371	-0.3708
ENSG00000127097	TAF5L	TATA-box b	ENSG0000011514799	-0.52889	1.42766	-0.37046
ENSG0000010229456			ENSG0000015580695	0.810746	2.189055	0.370364
ENSG00000128989	NTMT1	N-terminal	ENSG0000011518696	-0.53132	1.434897	-0.37028
ENSG0000018884	SLC5A6	solute carr	ENSG0000011288417	-0.5708	1.541797	-0.37022
ENSG00000154460	MRPS21	mitochondr	ENSG0000013483736	0.365262	0.986648	0.370205
ENSG000001254225	RNF169	ring finger	ENSG0000015059571	0.323462	0.874036	0.370079
ENSG0000014286	MITF	melanocyt	ENSG0000011683594	0.236534	0.639311	0.369982
ENSG0000019772	TMEM94	transmembr	ENSG0000015020754	-0.3316	0.896865	-0.36973
ENSG000001135154	SDHAF4	succinate c	ENSG000001139469	0.532262	1.439975	0.369633
ENSG00000123451	SF3B1	splicing fac	ENSG0000013452892	0.201273	0.544564	0.369603
ENSG00000151274	KLF3	Kruppel lik	ENSG0000016980759	-0.29975	0.811011	-0.3696
ENSG00000110276	NET1	neuroepith	ENSG0000012845811	-0.40899	1.107619	-0.36925
ENSG00000184698	CAPS2	calcyphosi	ENSG0000011737284	-0.49609	1.343575	-0.36923
ENSG0000010225920			ENSG0000013424112	-1.08625	2.942178	-0.3692
ENSG000001257144	GCSAM	germinal c	ENSG0000013424112	-1.08625	2.942178	-0.3692
ENSG00000151554	ACKR4	atypical ch	ENSG0000013424112	-1.08625	2.942178	-0.3692
ENSG0000010272446			ENSG0000013424112	-1.08625	2.942178	-0.3692
ENSG000001203111	ERICH5	glutamate	ENSG0000013424112	-1.08625	2.942178	-0.3692
ENSG00000184787	KMT5C	lysine metl	ENSG0000013424112	-1.08625	2.942178	-0.3692
ENSG0000013149	HMGB3	high mobil	ENSG0000013424112	-1.08625	2.942178	-0.3692
ENSG0000019559	VPS26A	VPS26, retr	ENSG0000014791482	-0.32969	0.892982	-0.3692
ENSG0000010272316			ENSG0000013385139	-1.07703	2.917394	-0.36917
ENSG0000010204990			ENSG0000013385139	-1.07703	2.917394	-0.36917
ENSG0000010279495			ENSG0000013385139	-1.07703	2.917394	-0.36917
ENSG00000110273	STUB1	STIP1 hom	ENSG0000013385139	-1.07703	2.917394	-0.36917
ENSG0000010261056			ENSG0000013385139	-1.07703	2.917394	-0.36917
ENSG00000183876	MRO	maestro	ENSG0000013385139	-1.07703	2.917394	-0.36917
ENSG00000158492	ZNF77	zinc finger	ENSG0000013385139	-1.07703	2.917394	-0.36917
ENSG000001140831	ZSWIM3	zinc finger	ENSG0000013385139	-1.07703	2.917394	-0.36917
ENSG0000018560	DEGS1	delta 4-des	ENSG0000013496421	-0.37361	1.012184	-0.36912
ENSG0000015710	PSMD4	proteasom	ENSG0000018808805	0.272006	0.737073	0.369036
ENSG0000010279179			ENSG0000012336537	1.304229	3.53535	0.368911
ENSG00000111004	KIF2C	kinesin far	ENSG0000012336537	1.304229	3.53535	0.368911
ENSG000001729085	FAM198A	family with	ENSG0000012336537	1.304229	3.53535	0.368911
ENSG0000012203	FBP1	fructose-bi	ENSG0000012336537	1.304229	3.53535	0.368911
ENSG0000010261528			ENSG0000012336537	1.304229	3.53535	0.368911
ENSG0000010197813			ENSG0000012336537	1.304229	3.53535	0.368911
ENSG00000154821	ERCC6L	ERCC excis	ENSG0000012336537	1.304229	3.53535	0.368911
ENSG0000011975	EIF4B	eukaryotic	ENSG0000014973111	0.197616	0.535701	0.368891
ENSG00000129086	BABAM1	BRISC and	ENSG0000011062035	-0.63135	1.711744	-0.36883
ENSG00000151319	RSRC1	arginine ar	ENSG0000012429156	0.420522	1.140565	0.368697
ENSG0000017162	TPBG	trophoblas	ENSG0000015879005	-0.81991	2.224668	-0.36855

ENSG0000012984	GUCY2C	guanylate c	ENSG0000015879005	-0.81991	2.224668	-0.36855
ENSG000001100132341	CLUHP3	clustered n	ENSG0000015879005	-0.81991	2.224668	-0.36855
ENSG000001375133	PI4KAP2	phosphatic	ENSG0000015879005	-0.81991	2.224668	-0.36855
ENSG0000019330	GTF3C3	general tra	ENSG00000141.93158	0.339331	0.920918	0.368471
ENSG00000154939	COMMD4	COMM dor	ENSG00000112.18214	0.568416	1.543978	0.36815
ENSG0000011184	CLCN5	chloride vc	ENSG00000112.18214	0.568416	1.543978	0.36815
ENSG00000184668	FAM126A	family with	ENSG00000169.58382	-0.29382	0.798201	-0.3681
ENSG00000123042	PDXDC1	pyridoxal d	ENSG00000192.97482	-0.26626	0.723827	-0.36785
ENSG0000015515	PPP2CA	protein ph	ENSG00000191.83755	0.263727	0.716946	0.367848
ENSG0000011434	CSE1L	chromosor	ENSG00000157.93004	0.302489	0.822617	0.367716
ENSG0000015467	PPARD	peroxisom	ENSG00000112.86154	-0.56505	1.536822	-0.36767
ENSG000001126298	IRGQ	immunity r	ENSG00000171.62387	-0.28842	0.784775	-0.36752
ENSG0000019321	TRIP11	thyroid ho	ENSG000001118.4448	-0.24784	0.674482	-0.36746
ENSG0000017041	TGFB111	transformi	ENSG00000110.5751	-0.61764	1.681255	-0.36737
ENSG000001279010			ENSG00000110.5751	-0.61764	1.681255	-0.36737
ENSG00000127161	AGO2	argonaute	ENSG000001114.3031	-0.25189	0.685688	-0.36736
ENSG0000011519	CTSO	cathepsin (	ENSG00000129.57577	0.386485	1.052224	0.367303
ENSG000001205251	MTLN	mitoreguli	ENSG00000112.90052	-0.56785	1.546306	-0.36723
ENSG000001267361			ENSG0000015.901631	-0.83181	2.265844	-0.36711
ENSG0000019774	BCLAF1	BCL2 assoc	ENSG000001145.9222	-0.23419	0.637983	-0.36708
ENSG000001390927	ZNF793	zinc finger	ENSG00000115.67269	0.50594	1.378643	0.366984
ENSG000001285237	C3orf38	chromosor	ENSG00000118.96837	0.475293	1.296393	0.366627
ENSG000001280	AMY2B	amylase, a	ENSG00000124.00214	-0.42888	1.169924	-0.36659
ENSG00000190390	MED30	mediator c	ENSG0000014.000727	0.921434	2.514709	0.366418
ENSG00000179798	ARMC5	armadillo r	ENSG0000014.000727	0.921434	2.514709	0.366418
ENSG00000179837	PIP4K2C	phosphatic	ENSG00000119.57506	-0.46718	1.275243	-0.36635
ENSG0000017332	UBE2L3	ubiquitin c	ENSG00000172.22534	0.280308	0.765163	0.366338
ENSG00000123261	CAMTA1	calmodulin	ENSG00000134.89896	0.361389	0.986815	0.366218
ENSG00000183667	SESN2	sestrin 2	ENSG0000015.60332	0.788636	2.155775	0.365825
ENSG000001163859	SDE2	SDE2 telor	ENSG00000132.73309	-0.37687	1.030386	-0.36575
ENSG000001441869	ANKRD65	ankyrin re	ENSG0000012.37551	1.293354	3.536605	0.365705
ENSG0000018464	SUPT3H	SPT3 homc	ENSG0000012.37551	1.293354	3.536605	0.365705
ENSG000001193629	LINC00189	long interg	ENSG0000012.37551	1.293354	3.536605	0.365705
ENSG00000122938	SNW1	SNW domæ	ENSG00000147.30002	0.322129	0.881184	0.365564
ENSG00000157524	CASKIN1	CASK inter	ENSG0000013.832281	1.067647	2.921507	0.365444
ENSG00000164423	INF2	inverted fo	ENSG00000126.11792	0.405112	1.109009	0.365292
ENSG0000017541	ZBTB14	zinc finger	ENSG00000113.96952	0.524711	1.436671	0.365227
ENSG0000014502	MT2A	metallothi	ENSG00000137.67805	-0.39727	1.087778	-0.36521
ENSG00000154542	RC3H2	ring finger	ENSG000001152.1983	-0.23053	0.631257	-0.36519
ENSG00000184445	LZTS2	leucine zip	ENSG00000130.53086	-0.38634	1.058035	-0.36515
ENSG0000016301	SARS	seryl-tRNA	ENSG00000188.33065	0.263405	0.721412	0.365124
ENSG00000154468	MIOS	meiosis re	ENSG00000133.15054	0.36803	1.008008	0.365106
ENSG0000019399	STOML1	stomatin li	ENSG00000112.28271	0.554271	1.518947	0.364905
ENSG0000015082	PDCL	phosducin	ENSG00000115.08639	-0.52156	1.430118	-0.3647
ENSG000001399909	PCNX3	pecanex 3	ENSG00000117.33387	-0.49391	1.354561	-0.36463
ENSG0000015189	PEX1	peroxisom	ENSG00000141.94793	0.340305	0.933488	0.364553
ENSG000001283635	FAM177A1	family with	ENSG00000147.88592	-0.32619	0.895094	-0.36442

ENSG00000123530	NNT	nicotinami	ENSG000001596.2043	0.20218	0.554941	0.364327
ENSG00000184135	UTP15	UTP15, sm	ENSG00000119.55872	-0.46898	1.287386	-0.36429
ENSG0000018704	B4GALT2	beta-1,4-ga	ENSG00000124.14168	-0.43713	1.200164	-0.36423
ENSG0000015073	PARN	poly(A)-sp	ENSG00000137.04324	-0.35983	0.988048	-0.36419
ENSG0000017259	TSPYL1	TSPY like 1	ENSG000001103.4152	-0.25429	0.698447	-0.36407
ENSG00000123770	FKBP8	FK506 bind	ENSG00000166.80159	0.288101	0.791576	0.363959
ENSG00000184993	UBL7	ubiquitin li	ENSG00000122.64371	0.427046	1.173702	0.363845
ENSG000001727936	GXYLT2	glucoside x	ENSG00000128.73092	-0.4198	1.153994	-0.36378
ENSG000001734	OSGIN2	oxidative s	ENSG00000119.16951	0.456776	1.256087	0.36365
ENSG00000180817	CEP44	centrosom	ENSG00000126.14054	0.401457	1.103967	0.363649
ENSG0000016596	HLTF	helicase lik	ENSG00000150.28928	-0.32949	0.906305	-0.36355
ENSG0000013021	H3F3B	H3 histone	ENSG000001185.4817	0.218623	0.601858	0.363247
ENSG00000123151	GRAMD4	GRAM don	ENSG00000150.12711	-0.32376	0.891286	-0.36325
ENSG0000015499	PPP1CA	protein ph	ENSG00000142.01581	0.334001	0.919536	0.363228
ENSG0000019277	WDR46	WD repeat	ENSG00000117.35649	-0.49803	1.37119	-0.36321
ENSG0000012782	GNB1	G protein s	ENSG000001176.018	-0.22831	0.628877	-0.36305
ENSG0000015564	PRKAB1	protein kin	ENSG00000112.82257	-0.56224	1.548715	-0.36304
ENSG000001124801	LSM12	LSM12 hon	ENSG00000112.82257	-0.56224	1.548715	-0.36304
ENSG00000123557	SNAPIN	SNAP asso	ENSG00000127.84998	0.392544	1.081805	0.362861
ENSG0000015537	PPP6C	protein ph	ENSG00000172.28066	0.279951	0.771774	0.362737
ENSG00000157088	PLSCR4	phospholip	ENSG00000135.03209	-0.37947	1.046256	-0.36269
ENSG00000150863	NTM	neurotrimi	ENSG0000013.608906	-1.17649	3.244555	-0.36261
ENSG000001100506142	LOC100506	uncharacte	ENSG0000015.85638	-0.8075	2.227405	-0.36253
ENSG000001730091	LINC00886	long interg	ENSG0000015.85638	-0.8075	2.227405	-0.36253
ENSG00000100000279555			ENSG0000015.85638	-0.8075	2.227405	-0.36253
ENSG000001100506469	TMEM147	TMEM147	ENSG0000015.85638	-0.8075	2.227405	-0.36253
ENSG00000111238	CA5B	carbonic ar	ENSG0000015.85638	-0.8075	2.227405	-0.36253
ENSG000001221960	CCZ1B	CCZ1 hom	ENSG0000017.26751	0.694419	1.917019	0.362239
ENSG000001388650	DIPK1A	divergent p	ENSG0000017.244885	0.710325	1.961079	0.362212
ENSG00000110791	VAMP5	vesicle ass	ENSG0000017.244885	0.710325	1.961079	0.362212
ENSG000001339834	CCDC36	coiled-coil	ENSG0000017.244885	0.710325	1.961079	0.362212
ENSG00000157551	TAOK1	TAO kinase	ENSG000001266.7122	-0.20772	0.573589	-0.36214
ENSG00000154585	LZTFL1	leucine zip	ENSG00000112.83892	-0.55926	1.544611	-0.36207
ENSG00000125792	CIZ1	CDKN1A in	ENSG00000164.92291	-0.29113	0.804183	-0.36201
ENSG000001131965	METTL6	methyltran	ENSG0000018.931701	0.634656	1.753178	0.362003
ENSG0000015119	CHMP1A	charged m	ENSG00000128.66932	-0.41572	1.148433	-0.36199
ENSG00000100000211598			ENSG0000013.553586	-1.17089	3.23495	-0.36195
ENSG000001940	CD28	CD28 mole	ENSG0000013.553586	-1.17089	3.23495	-0.36195
ENSG00000155917	CTTNBP2N	CTTNBP2 N	ENSG00000145.60575	-0.32797	0.906616	-0.36175
ENSG000001101928377	LOC101928	uncharacte	ENSG00000118.95582	0.491122	1.358035	0.361641
ENSG0000015000	ORC4	origin reco	ENSG00000131.34681	0.375178	1.037612	0.361579
ENSG000001331	XIAP	X-linked in	ENSG00000173.44644	-0.27897	0.771563	-0.36157
ENSG0000019812	DELE1	DAP3 bindi	ENSG00000195.55814	0.257882	0.713272	0.361548
ENSG0000015437	POLR2H	RNA polym	ENSG00000112.8452	-0.56781	1.570947	-0.36145
ENSG0000018411	EEA1	early endo	ENSG000001103.292	-0.25195	0.69771	-0.36111
ENSG0000015322	PLA2G5	phospholip	ENSG00000167.39794	-0.29505	0.817348	-0.36098
ENSG0000012272	FHIT	fragile hist	ENSG00000110.55247	-0.61062	1.691931	-0.3609

ENSG00000183742	MARVELD1	MARVEL domain	ENSG00000183742	10.55247	-0.61062	1.691931	-0.3609
ENSG0000016617	SNAPC1	small nuclear ribonucleoprotein	ENSG0000016617	10.55247	-0.61062	1.691931	-0.3609
ENSG00000164393	ZMAT3	zinc finger protein	ENSG00000164393	54.47219	0.305839	0.847845	0.360725
ENSG0000014660	PPP1R12B	protein phosphatase 1 regulatory subunit 12B	ENSG0000014660	2632.894	-0.19639	0.544521	-0.36067
ENSG0000015635	PRPSAP1	phosphoribosyl transferase	ENSG0000015635	24.41475	0.409373	1.135406	0.360552
ENSG000001145173	B3GLCT	beta 3-glucuronidase	ENSG000001145173	47.38424	0.317446	0.880809	0.360403
ENSG0000018460	TPST1	tyrosylprotein sulfotransferase	ENSG0000018460	10.5135	-0.60731	1.685319	-0.36036
ENSG000001286097	MICU3	mitochondrial intermembrane calcium uniporter	ENSG000001286097	10.5135	-0.60731	1.685319	-0.36036
ENSG00000149856	WRAP73	WD repeat domain	ENSG00000149856	7.16694	0.718787	1.994773	0.360335
ENSG00000122845	DOLK	dolichol kinase	ENSG00000122845	7.16694	0.718787	1.994773	0.360335
ENSG00000127315	PGAP2	post-GPI attachment	ENSG00000127315	13.98587	0.529573	1.469911	0.360276
ENSG000001729218	LOC729218	uncharacterized protein	ENSG000001729218	10.61852	0.582981	1.618776	0.360137
ENSG00000184947	SERAC1	serine acetyltransferase	ENSG00000184947	10.61852	0.582981	1.618776	0.360137
ENSG0000011154	CISH	cytokine inducible SH2 domain containing protein	ENSG0000011154	22.08148	-0.47983	1.333303	-0.35988
ENSG0000015430	POLR2A	RNA polymerase II subunit	ENSG0000015430	118.0426	-0.24184	0.672127	-0.35981
ENSG0000012800	GOLGA1	golgin A1	ENSG0000012800	47.40059	0.318286	0.884642	0.359791
ENSG00000184319	CMSS1	cms1 ribonuclease	ENSG00000184319	21.71569	-0.43912	1.220568	-0.35977
ENSG0000011477	CSTF1	cleavage stimulation factor	ENSG0000011477	21.69934	-0.44074	1.225528	-0.35964
ENSG00000137	ACADVL	acyl-CoA dehydrogenase	ENSG00000137	823.8336	0.18259	0.507759	0.359599
ENSG00000151773	RSF1	remodeling factor	ENSG00000151773	103.2304	-0.25078	0.697404	-0.35959
ENSG00000179925	SPEF2	sperm flag protein	ENSG00000179925	3.362514	-1.05609	2.937044	-0.35958
ENSG000001728723	ZBED3-AS1	ZBED3 anti-sense	ENSG000001728723	3.362514	-1.05609	2.937044	-0.35958
ENSG0000011030	CDKN2B	cyclin dependent kinase	ENSG0000011030	3.362514	-1.05609	2.937044	-0.35958
ENSG000001493900	TMEM9B-AS1	TMEM9B anti-sense	ENSG000001493900	3.362514	-1.05609	2.937044	-0.35958
ENSG000001374387	DKFZp779H19.1	uncharacterized protein	ENSG000001374387	3.362514	-1.05609	2.937044	-0.35958
ENSG0000016790	AURKA	aurora kinase	ENSG0000016790	3.362514	-1.05609	2.937044	-0.35958
ENSG00000123099	ZBTB43	zinc finger protein	ENSG00000123099	64.85503	-0.28792	0.801072	-0.35942
ENSG00000110773	ZBTB6	zinc finger protein	ENSG00000110773	14.03112	0.514837	1.432969	0.35928
ENSG0000015612	THAP12	THAP domain	ENSG0000015612	45.59686	0.321594	0.895141	0.359266
ENSG00000111185	INMT	indolethylamine N-methyltransferase	ENSG00000111185	77.7566	-0.27616	0.768879	-0.35917
ENSG00000181619	TSPAN14	tetraspanin	ENSG00000181619	82.18995	-0.27644	0.769988	-0.35902
ENSG00000155703	POLR3B	RNA polymerase III subunit	ENSG00000155703	15.02479	-0.51419	1.433457	-0.35871
ENSG0000017150	TOP1	DNA topoisomerase	ENSG0000017150	45.54415	-0.32541	0.907555	-0.35855
ENSG0000012766	GMPR	guanosine	ENSG0000012766	56.25958	0.302729	0.84433	0.358544
ENSG00000123177	CEP68	centrosome	ENSG00000123177	56.2699	-0.3012	0.840361	-0.35842
ENSG00000150626	CYHR1	cysteine arylamidase	ENSG00000150626	23.87894	-0.4194	1.170516	-0.3583
ENSG0000019025	RNF8	ring finger	ENSG0000019025	21.75466	-0.44096	1.231036	-0.3582
ENSG0000013708	ITPR1	inositol 1,4-bisphosphate receptor	ENSG0000013708	90.36443	0.256315	0.715961	0.358002
ENSG0000018550	MAPKAPK5	mitogen-activated protein kinase	ENSG0000018550	32.59354	-0.37077	1.035864	-0.35793
ENSG000001253980	KCTD13	potassium channel	ENSG000001253980	5.817408	-0.80193	2.240718	-0.35789
ENSG00000151195	RAPGEFL1	Rap guanine nucleotide exchange factor	ENSG00000151195	5.817408	-0.80193	2.240718	-0.35789
ENSG00000154828	BCAS3	BCAS3, microRNA	ENSG00000154828	36.75422	0.346772	0.969256	0.357771
ENSG0000011213	CLTC	clathrin heavy chain	ENSG0000011213	344.4547	0.195005	0.545082	0.357754
ENSG000001644554	LOC644554	uncharacterized protein	ENSG000001644554	12.87789	-0.56227	1.571695	-0.35775
ENSG00000110469	TIMM44	translocase	ENSG00000110469	28.28339	-0.39213	1.096138	-0.35774
ENSG00000192345	NAF1	nuclear associated factor	ENSG00000192345	8.204425	-0.67925	1.899069	-0.35768
ENSG00000156834	GPR137	G protein-coupled receptor	ENSG00000156834	8.204425	-0.67925	1.899069	-0.35768



ENSG0000013329	HSPD1	heat shock	ENSG0000013329	144.26	0.228605	0.639167	0.35766
ENSG0000016560	SLC12A4	solute carr	ENSG0000016560	79.7225	-0.26823	0.750079	-0.3576
ENSG0000013782	KCNN3	potassium	ENSG0000013782	18.87159	0.502964	1.407556	0.357331
ENSG00000151117	COQ4	coenzyme	ENSG00000151117	19.20849	0.454745	1.27269	0.35731
ENSG000001645	BLVRB	biliverdin r	ENSG000001645	26.12419	0.3994	1.117869	0.357287
ENSG000001334	APLP2	amyloid be	ENSG000001334	407.7372	0.190533	0.533318	0.357259
ENSG0000018349	HIST2H2BE	histone clu	ENSG0000018349	93.45504	-0.27525	0.770498	-0.35724
ENSG00000154875	CNTLN	centlein	ENSG00000154875	20.97952	0.431831	1.209202	0.357121
ENSG000001158747	MOSPD2	motile spe	ENSG000001158747	20.97952	0.431831	1.209202	0.357121
ENSG00000151128	SAR1B	secretion a	ENSG00000151128	110.1451	0.242796	0.680332	0.35688
ENSG00000111046	SLC35D2	solute carr	ENSG00000111046	17.50532	0.465246	1.303677	0.356872
ENSG0000011896	EDA	ectodyspla	ENSG0000011896	17.50532	0.465246	1.303677	0.356872
ENSG00000153344	CHIC1	cysteine ric	ENSG00000153344	21.85523	-0.44821	1.256298	-0.35677
ENSG00000183932	SPRTN	SprT-like N	ENSG00000183932	12.77732	-0.55064	1.543992	-0.35663
ENSG00000157826	RAP2C	RAP2C, me	ENSG00000157826	35.04478	0.351065	0.984411	0.356625
ENSG000001112936	VPS26B	VPS26, retr	ENSG000001112936	47.66215	-0.31788	0.891349	-0.35662
ENSG00000157192	MCOLN1	mucolipin	ENSG00000157192	7.228537	0.698434	1.959348	0.356462
ENSG00000184190	METTL25	methyltran	ENSG00000184190	17.46635	0.467304	1.311501	0.356312
ENSG0000014520	MTF1	metal regu	ENSG0000014520	26.22071	-0.41224	1.15808	-0.35597
ENSG00000184522	JAGN1	jagunal ho	ENSG00000184522	8.165453	-0.67514	1.898423	-0.35563
ENSG00000179684	MSANTD2	Myb/SANT	ENSG00000179684	8.165453	-0.67514	1.898423	-0.35563
ENSG0000016715	SRD5A1	steroid 5 al	ENSG0000016715	5.664918	0.762607	2.144384	0.35563
ENSG000001113878	DTX2	deltex E3 u	ENSG000001113878	5.664918	0.762607	2.144384	0.35563
ENSG00000123639	LRRC6	leucine ric	ENSG00000123639	5.664918	0.762607	2.144384	0.35563
ENSG0000014729	NDUFV2	NADH:ubic	ENSG0000014729	5.664918	0.762607	2.144384	0.35563
ENSG0000017398	USP1	ubiquitin s	ENSG0000017398	43.91004	0.32194	0.905745	0.355442
ENSG00000157648	KIAA1522	KIAA1522	ENSG00000157648	10.59144	-0.61429	1.729753	-0.35513
ENSG0000011039	CDR2	cerebellar	ENSG0000011039	10.49087	-0.60022	1.691027	-0.35494
ENSG00000123710	GABARAPL	GABA type	ENSG00000123710	337.7411	-0.19568	0.551516	-0.35481
ENSG0000019879	DDX46	DEAD-box	ENSG0000019879	71.22787	-0.28011	0.789459	-0.35481
ENSG00000155901	THSD1	thrombosp	ENSG00000155901	12.73835	-0.54785	1.54413	-0.3548
ENSG000001388630	TRABD2B	TraB doma	ENSG000001388630	3.323542	-1.04684	2.951063	-0.35473
ENSG0000010270742			ENSG0000010270742	3.323542	-1.04684	2.951063	-0.35473
ENSG0000011359	CPA3	carboxype	ENSG0000011359	3.323542	-1.04684	2.951063	-0.35473
ENSG00000130834	ZNRD1	zinc ribbon	ENSG00000130834	3.323542	-1.04684	2.951063	-0.35473
ENSG00000155472	RBM12B-A	RBM12B ar	ENSG00000155472	3.323542	-1.04684	2.951063	-0.35473
ENSG00000193081	TEX30	testis expr	ENSG00000193081	3.323542	-1.04684	2.951063	-0.35473
ENSG00000179729	SH3D21	SH3 domai	ENSG00000179729	4.062325	0.883855	2.491719	0.354717
ENSG00000151478	HSD17B7	hydroxyste	ENSG00000151478	4.062325	0.883855	2.491719	0.354717
ENSG00000154627	MAP10	microtubul	ENSG00000154627	4.062325	0.883855	2.491719	0.354717
ENSG00000185025	TMEM60	transmem	ENSG00000185025	4.062325	0.883855	2.491719	0.354717
ENSG000001340351	AGBL3	ATP/GTP b	ENSG000001340351	4.062325	0.883855	2.491719	0.354717
ENSG000001168544	ZNF467	zinc finger	ENSG000001168544	4.062325	0.883855	2.491719	0.354717
ENSG00000129095	ORMDL2	ORMDL spl	ENSG00000129095	4.062325	0.883855	2.491719	0.354717
ENSG0000010261505			ENSG0000010261505	4.062325	0.883855	2.491719	0.354717
ENSG0000010215447			ENSG0000010215447	4.062325	0.883855	2.491719	0.354717
ENSG00000179158	GNPTAB	N-acetylgl	ENSG00000179158	97.57557	0.251181	0.708339	0.354606

ENSG0000019969	MED13	mediator c	ENSG00000185.6664	-0.21646	0.610457	-0.35458
ENSG0000015049	PAFAH1B2	platelet ac	ENSG00000106.5766	0.243209	0.68592	0.354573
ENSG00000179598	CEP97	centrosom	ENSG00000123.85632	-0.41629	1.174536	-0.35443
ENSG00000116957			ENSG00000126.26374	0.39112	1.104002	0.354275
ENSG00000123405	DICER1	dicer 1, rib	ENSG000001155.2558	0.221256	0.62489	0.354072
ENSG0000016732	SRPK1	SRSF prote	ENSG00000135.0674	0.348461	0.984628	0.353901
ENSG0000017095	SEC62	SEC62 hom	ENSG000001111.4686	-0.24115	0.681402	-0.3539
ENSG00000123469	PHF3	PHD finger	ENSG000001183.7621	-0.21967	0.620912	-0.35378
ENSG00000184524	ZC3H8	zinc finger	ENSG00000115.04114	-0.5117	1.446615	-0.35373
ENSG000001201725	C4orf46	chromosom	ENSG0000015.794782	-0.78938	2.231811	-0.3537
ENSG0000012296	FOXC1	forkhead b	ENSG0000015.794782	-0.78938	2.231811	-0.3537
ENSG00000151101	ZC2HC1A	zinc finger	ENSG0000015.794782	-0.78938	2.231811	-0.3537
ENSG0000017564	ZNF16	zinc finger	ENSG0000015.794782	-0.78938	2.231811	-0.3537
ENSG000001196294	IMMP1L	inner mito	ENSG0000015.794782	-0.78938	2.231811	-0.3537
ENSG0000010256139			ENSG0000015.794782	-0.78938	2.231811	-0.3537
ENSG0000017566	ZNF18	zinc finger	ENSG0000015.794782	-0.78938	2.231811	-0.3537
ENSG0000017620	ZNF69	zinc finger	ENSG0000015.794782	-0.78938	2.231811	-0.3537
ENSG0000015089	PBX2	PBX homeo	ENSG00000145.72005	0.315715	0.892758	0.35364
ENSG00000125962	VIRMA	vir like m6	ENSG00000161.79646	0.28562	0.807899	0.353534
ENSG000001200010	SLC5A9	solute carr	ENSG0000015.840033	-0.8137	2.301976	-0.35348
ENSG0000016787	NEK4	NIMA relat	ENSG00000132.50932	-0.365	1.033332	-0.35322
ENSG00000122916	NCBP2	nuclear cap	ENSG00000139.10592	-0.34814	0.985738	-0.35318
ENSG0000015300	PIN1	peptidylpro	ENSG00000124.4927	0.406074	1.150264	0.353027
ENSG000001116068	LYSMD3	LysM domai	ENSG00000133.22849	0.365215	1.034657	0.352982
ENSG0000014867	NPHP1	nephrocyst	ENSG00000110.68011	0.569844	1.615342	0.35277
ENSG00000123236	PLCB1	phospholip	ENSG00000128.26076	-0.38957	1.104945	-0.35257
ENSG00000154981	NMRK1	nicotinami	ENSG0000018.993299	0.61877	1.756041	0.352366
ENSG000001124359	CDYL2	chromodor	ENSG0000018.993299	0.61877	1.756041	0.352366
ENSG0000015034	P4HB	prolyl 4-hy	ENSG000001175.1659	0.214666	0.609322	0.352302
ENSG00000151299	NRN1	neuritin 1	ENSG0000017.329108	0.674719	1.915376	0.352265
ENSG000001100506233	RAB30-AS1	RAB30 anti	ENSG0000017.329108	0.674719	1.915376	0.352265
ENSG00000110946	SF3A3	splicing fac	ENSG00000138.62583	0.334784	0.950386	0.352261
ENSG00000151434	ANAPC7	anaphase p	ENSG00000131.43103	0.368006	1.044729	0.35225
ENSG00000156951	C5orf15	chromosom	ENSG00000158.26066	0.289478	0.822226	0.352066
ENSG00000155157	DARS2	aspartyl-tR	ENSG00000128.03478	0.378036	1.074366	0.351869
ENSG000001253260	RICTOR	RPTOR ind	ENSG000001131.8941	0.228458	0.649335	0.351833
ENSG0000016626	SNRPA	small nucle	ENSG00000114.05375	0.507451	1.44263	0.351754
ENSG0000017918	GPANK1	G-patch do	ENSG00000119.29271	0.442539	1.258544	0.351627
ENSG0000018563	THOC5	THO compl	ENSG00000141.1724	-0.3324	0.945474	-0.35157
ENSG000001113201	CASC4	cancer sus	ENSG00000170.80754	0.270742	0.77025	0.351499
ENSG00000192689	FAM114A1	family with	ENSG00000136.86852	-0.34691	0.98799	-0.35113
ENSG00000178987	CRELD1	cysteine ric	ENSG00000138.23741	0.365382	1.040794	0.35106
ENSG00000110456	HAX1	HCLS1 assc	ENSG00000194.10137	0.250904	0.714831	0.350997
ENSG000001153733	CCDC112	coiled-coil	ENSG0000017.290135	0.678531	1.934145	0.350817
ENSG0000013087	HHEX	hematopoi	ENSG0000017.290135	0.678531	1.934145	0.350817
ENSG00000155850	USE1	unconvent	ENSG0000017.290135	0.678531	1.934145	0.350817
ENSG00000180184	CEP290	centrosom	ENSG00000128.16019	-0.384	1.094747	-0.35077

ENSG00000123063	WAPL	WAPL cohesin	ENSG00000183.77998	-0.25952	0.74	-0.35071
ENSG00000184250	SLF1	SMC5-SMC4	ENSG00000117.20439	-0.47452	1.353227	-0.35066
ENSG000001440	ASNS	asparagine synthetase	ENSG0000018.142827	-0.66605	1.899764	-0.35059
ENSG00000123166	STAB1	stabilin 1	ENSG000001121.757	0.605566	1.727422	0.35056
ENSG00000155827	DCAF6	DDB1 and associated proteins	ENSG000001329.8589	0.210731	0.60151	0.350337
ENSG0000015764	PTN	pleiotrophin	ENSG00000141.37602	-0.34761	0.992414	-0.35026
ENSG00000110454	TAB1	TGF-beta axis	ENSG00000125.95797	-0.3958	1.130128	-0.35022
ENSG000001283337	ZNF740	zinc finger protein	ENSG00000130.32972	-0.37602	1.074901	-0.34982
ENSG0000010258297			ENSG0000015.924256	-0.84204	2.408057	-0.34968
ENSG0000016128	RPL6	ribosomal protein	ENSG000001285.0738	0.198459	0.567626	0.349631
ENSG0000015909	RAP1GAP	RAP1 GTPase-activating protein	ENSG0000015.833755	-0.79531	2.27606	-0.34942
ENSG0000017414	VCL	vinculin	ENSG000001511.6509	0.181944	0.520734	0.349399
ENSG0000010211897			ENSG00000115.22397	-1.76852	5.061678	-0.34939
ENSG00000123030	KDM4B	lysine demethylase	ENSG00000141.31194	-0.33754	0.966499	-0.34924
ENSG00000156905	C15orf39	chromosome 15 open reading frame 39	ENSG00000119.27636	0.439322	1.258036	0.349213
ENSG00000180862	ZNRD1ASP	zinc ribbon domain containing protein	ENSG00000114.97954	-0.50425	1.444025	-0.3492
ENSG00000123053	ZSWIM8	zinc finger protein	ENSG00000147.52261	-0.31349	0.898248	-0.349
ENSG00000111098	PRSS23	serine protease	ENSG00000128.29974	-0.39117	1.121157	-0.3489
ENSG00000150511	SYCP3	synaptonemal complex protein	ENSG00000110.42927	-0.58976	1.691584	-0.34864
ENSG000001140460	ASB7	ankyrin repeat domain containing protein	ENSG00000110.42927	-0.58976	1.691584	-0.34864
ENSG0000010185495			ENSG0000013.300916	-1.02545	2.942241	-0.34853
ENSG0000010279312			ENSG0000013.300916	-1.02545	2.942241	-0.34853
ENSG0000010254343			ENSG0000013.300916	-1.02545	2.942241	-0.34853
ENSG00000156948	SDR39U1	short chain dehydrogenase	ENSG0000013.300916	-1.02545	2.942241	-0.34853
ENSG000001100505648	RAD51-AS1	RAD51 anti-sense 1	ENSG0000013.300916	-1.02545	2.942241	-0.34853
ENSG0000010280067			ENSG0000013.300916	-1.02545	2.942241	-0.34853
ENSG0000010267799			ENSG0000014.0397	0.915169	2.625909	0.348515
ENSG00000163971	KIF13A	kinesin family member	ENSG000001241.3244	0.209423	0.601277	0.348298
ENSG0000017543	ZFX	zinc finger protein	ENSG00000175.2112	-0.26592	0.763511	-0.34828
ENSG0000016836	SURF4	surfeit 4	ENSG00000192.19667	-0.2501	0.718089	-0.34828
ENSG000001337873	HIST2H2BC	histone cluster 2	ENSG0000019.015924	0.606378	1.741522	0.348188
ENSG00000151302	CYP39A1	cytochrome P-450	ENSG0000019.015924	0.606378	1.741522	0.348188
ENSG00000179096	C11orf49	chromosome 11 open reading frame 49	ENSG00000112.67675	-0.53917	1.549524	-0.34796
ENSG00000122880	MORC2	MORC family class 2 member	ENSG00000136.9037	-0.35411	1.018934	-0.34753
ENSG00000151673	TPPP3	tubulin polymerization promoting factor	ENSG00000110.63486	0.589475	1.696563	0.347452
ENSG0000010237807			ENSG00000126.30899	0.383897	1.105674	0.347206
ENSG00000184437	MSANTD4	Myb/SANT domain containing protein	ENSG00000140.49116	0.327124	0.942163	0.347205
ENSG00000180856	LNPK	lunapark, ECT2 binding protein	ENSG00000171.02045	-0.27413	0.789554	-0.3472
ENSG0000011513	CTSK	cathepsin K	ENSG00000115.80216	0.477714	1.376696	0.347
ENSG000001140456	ASB11	ankyrin repeat domain containing protein	ENSG000001101.1778	-0.25232	0.727291	-0.34693
ENSG00000122795	NID2	nidogen 2	ENSG00000162.40642	-0.28171	0.81217	-0.34687
ENSG00000151004	COQ6	coenzyme Q6 synthase	ENSG0000018.103855	-0.66191	1.908689	-0.34679
ENSG0000013704	ITPA	inosine triphosphatase	ENSG0000018.103855	-0.66191	1.908689	-0.34679
ENSG00000154819	ZCCHC10	zinc finger protein	ENSG00000114.11534	0.49766	1.435118	0.346773
ENSG0000013996	LLGL1	LLGL1, scribble-like protein	ENSG00000114.11534	0.49766	1.435118	0.346773
ENSG0000013984	LIMK1	LIM domain containing protein	ENSG00000114.13169	0.502514	1.449464	0.34669
ENSG00000110785	WDR4	WD repeat domain protein	ENSG0000015.75581	-0.78368	2.261936	-0.34646

ENSG000001134265	AFAP1L1	actin filame	ENSG00000181.69024	0.255498	0.737449	0.346462
ENSG000001100861548	PINK1-AS	PINK1 anti	ENSG0000018.1818	-0.67046	1.935246	-0.34645
ENSG00000151506	UFC1	ubiquitin-f	ENSG00000122.85113	0.404853	1.168676	0.34642
ENSG0000018506	CNTNAP1	contactin a	ENSG00000112.80622	-0.56428	1.629155	-0.34636
ENSG000001196528	ARID2	AT-rich int	ENSG00000173.0316	-0.26735	0.772277	-0.34619
ENSG0000013588	IL10RB	interleukin	ENSG00000112.42853	0.523167	1.511311	0.346168
ENSG0000011657	DMXL1	Dmx like 1	ENSG000001130.3194	-0.22775	0.657924	-0.34616
ENSG0000013784	KCNQ1	potassium	ENSG00000114.9016	-0.49933	1.442899	-0.34606
ENSG000001411	ARSB	arylsulfata	ENSG00000133.40321	0.347602	1.004529	0.346035
ENSG0000013382	ICA1	islet cell au	ENSG00000145.7653	0.311939	0.901466	0.346035
ENSG000001100131755	ARMCX4	armadillo r	ENSG00000117.12645	-0.47016	1.358977	-0.34596
ENSG0000017423	VEGFB	vascular er	ENSG00000194.29204	-0.24741	0.715331	-0.34587
ENSG000001538	ATP7A	ATPase co	ENSG00000130.22287	-0.36744	1.063835	-0.34539
ENSG0000016304	SATB1	SATB hom	ENSG000001121.8964	-0.23199	0.671746	-0.34535
ENSG00000184986	ARHGAP19	Rho GTPas	ENSG00000110.3903	-0.58643	1.69808	-0.34535
ENSG0000018621	CDK13	cyclin depe	ENSG00000166.62607	-0.27423	0.794053	-0.34535
ENSG00000125841	ABTB2	ankyrin re	ENSG00000119.35431	0.435451	1.261089	0.345298
ENSG0000013727	JUND	JunD proto	ENSG00000139.14869	-0.3438	0.995691	-0.34529
ENSG00000164766	S100PBP	S100P bind	ENSG00000129.70524	0.372734	1.080256	0.345042
ENSG000001196410	METTL7B	methyltrar	ENSG00000115.68903	0.508849	1.475218	0.344931
ENSG000001113828	FAM83F	family with	ENSG00000112.65412	-0.53326	1.546021	-0.34493
ENSG0000019653	HS2ST1	heparan su	ENSG00000119.33796	0.432274	1.253504	0.344853
ENSG000001283267	LINC00294	long interg	ENSG0000015.625945	0.767743	2.227635	0.344645
ENSG00000100263219			ENSG0000015.625945	0.767743	2.227635	0.344645
ENSG00000193099	DMKN	dermokine	ENSG0000015.625945	0.767743	2.227635	0.344645
ENSG00000164343	AZI2	5-azacytidi	ENSG00000124.5216	0.396097	1.149323	0.344636
ENSG0000011781	DYNC1I2	dynein cyt	ENSG00000190.75664	0.24656	0.715749	0.344478
ENSG000001401264	TRAM2-AS	TRAM2 ant	ENSG0000015.564347	0.794952	2.307826	0.344459
ENSG00000127013	CNPPD1	cyclin Pas1	ENSG00000138.788	0.326705	0.948617	0.344401
ENSG0000015048	PAFAH1B1	platelet ac	ENSG000001202.144	-0.20719	0.601636	-0.34437
ENSG000001100302640	LINC00882	long interg	ENSG0000015.726516	0.736977	2.140149	0.344358
ENSG00000111341	SCRG1	stimulator	ENSG0000015.726516	0.736977	2.140149	0.344358
ENSG00000151547	SIRT7	sirtuin 7	ENSG0000015.726516	0.736977	2.140149	0.344358
ENSG0000012590	GALNT2	polypeptid	ENSG00000136.69	-0.34022	0.988048	-0.34434
ENSG0000019439	MED23	mediator c	ENSG00000136.69	-0.34022	0.988048	-0.34434
ENSG00000100273373			ENSG0000015.733184	-0.77106	2.239772	-0.34426
ENSG000001100129995	LINC01460	long interg	ENSG0000015.733184	-0.77106	2.239772	-0.34426
ENSG00000184246	MED10	mediator c	ENSG0000015.733184	-0.77106	2.239772	-0.34426
ENSG0000016618	SNAPC2	small nucle	ENSG0000015.733184	-0.77106	2.239772	-0.34426
ENSG00000190580	TIMM29	translocase	ENSG0000015.733184	-0.77106	2.239772	-0.34426
ENSG0000018555	CDC14B	cell divisio	ENSG00000154.84805	0.288921	0.839319	0.344232
ENSG00000123566	LPAR3	lysophosph	ENSG00000112.6931	-0.53612	1.558112	-0.34408
ENSG00000156180	MOSPD1	motile spe	ENSG00000112.6931	-0.53612	1.558112	-0.34408
ENSG00000151725	FBXO40	F-box prote	ENSG000001535.3035	-0.19819	0.576032	-0.34406
ENSG00000100273247			ENSG0000017.351733	0.658988	1.915407	0.344046
ENSG00000151523	CXXC5	CXXC finge	ENSG00000114.87897	-0.49431	1.436964	-0.344
ENSG00000181570	CLPB	ClpB homo	ENSG00000114.87897	-0.49431	1.436964	-0.344

ENSG0000019694	EMC2	ER membr	ENSG0000013431	-0.34655	1.00774	-0.34389
ENSG0000018418	CMAHP	cytidine m	ENSG000001366989	0.3471	1.009513	0.343829
ENSG00000110272	FSTL3	follostatin li	ENSG0000013020025	-0.365	1.061755	-0.34377
ENSG0000019497	SLC4A7	solute carr	ENSG0000015479273	0.289171	0.841307	0.343717
ENSG0000017415	VCP	valosin cor	ENSG0000013723454	0.188855	0.549591	0.343629
ENSG00000151205	ACP6	acid phosp	ENSG0000011725592	-0.48882	1.422623	-0.34361
ENSG00000110473	HMGN4	high mobil	ENSG0000012637059	0.378776	1.102818	0.343462
ENSG000001317762	CCDC85C	coiled-coil	ENSG0000013027819	-0.36777	1.071458	-0.34324
ENSG00000123503	ZFYVE26	zinc finger	ENSG0000017514333	-0.26318	0.766915	-0.34317
ENSG00000123254	KAZN	kazrin, peri	ENSG000001808123	-0.65274	1.902596	-0.34308
ENSG00000157175	CORO1B	coronin 1B	ENSG000001808123	-0.65274	1.902596	-0.34308
ENSG00000183714	NRIP2	nuclear rec	ENSG000001808123	-0.65274	1.902596	-0.34308
ENSG0000014858	NOVA2	NOVA alte	ENSG000001808123	-0.65274	1.902596	-0.34308
ENSG00000129102	DROSHA	drosha rib	ENSG0000016018157	-0.28175	0.821675	-0.3429
ENSG0000016731	SRP72	signal reco	ENSG0000016201016	0.275921	0.804713	0.342881
ENSG00000151207	DUSP13	dual specif	ENSG0000015772157	-0.77683	2.265678	-0.34287
ENSG00000127348	TOR1B	torsin fami	ENSG0000011586376	0.469042	1.368935	0.342633
ENSG0000011774	DNASE1L1	deoxyribor	ENSG0000011586376	0.469042	1.368935	0.342633
ENSG0000011525	CXADR	CXADR, Ig-	ENSG0000014971227	-0.3068	0.895675	-0.34254
ENSG0000015775	PTPN4	protein tyr	ENSG0000016741129	0.269761	0.787591	0.342514
ENSG0000013836	KPNA1	karyopheri	ENSG000001666198	-0.27288	0.796743	-0.3425
ENSG0000011385	CREB1	cAMP resp	ENSG0000017080675	-0.26694	0.779419	-0.34249
ENSG00000122904	SBNO2	strawberry	ENSG0000012435943	0.409322	1.195297	0.342444
ENSG000001121665	SPPL3	signal pept	ENSG0000013877165	0.32555	0.950847	0.342379
ENSG0000014245	MGAT1	mannosyl (	ENSG0000017807649	0.258431	0.754983	0.342301
ENSG0000012618	GART	phosphorik	ENSG0000014763691	0.303531	0.886749	0.342296
ENSG0000014240	MFGE8	milk fat glc	ENSG0000012588208	-0.19725	0.576678	-0.34204
ENSG000001114926	SMIM19	small integ	ENSG0000011494685	-0.50885	1.487671	-0.34204
ENSG00000157570	TRMT5	tRNA meth	ENSG0000011036768	-0.57923	1.693619	-0.34201
ENSG00000184289	ING5	inhibitor of	ENSG000001260095	-0.40508	1.185392	-0.34173
ENSG0000014077	NBR1	NBR1, autc	ENSG000001197639	-0.20523	0.600598	-0.3417
ENSG00000154893	MTMR10	myotubula	ENSG0000017451807	0.261215	0.764714	0.341585
ENSG00000157460	PPM1H	protein ph	ENSG0000011402484	0.525943	1.540865	0.34133
ENSG00000157711	ZNF529	zinc finger	ENSG0000012591272	-0.39012	1.143009	-0.34131
ENSG00000164342	HS1BP3	HCLS1 binc	ENSG000001170812	-0.46142	1.352602	-0.34113
ENSG000001171546	SPTSSA	serine paln	ENSG000001170812	-0.46142	1.352602	-0.34113
ENSG00000184302	TMEM246	transmeml	ENSG0000013852905	0.346875	1.016838	0.341132
ENSG000001391356	PTRHD1	peptidyl-tR	ENSG0000014123923	0.847122	2.483282	0.34113
ENSG0000017483	WNT9A	Wnt family	ENSG0000018976951	0.610058	1.788615	0.341078
ENSG00000156950	SMYD2	SET and M'	ENSG0000012010605	0.202107	0.592587	0.341058
ENSG00000110477	UBE2E3	ubiquitin c	ENSG0000012291273	0.398929	1.16978	0.341029
ENSG00000155325	UFSP2	UFM1 spec	ENSG0000012289011	0.403067	1.18293	0.340736
ENSG00000180174	DBF4B	DBF4 zinc f	ENSG0000011040665	-0.58265	1.71037	-0.34066
ENSG00000155823	VPS11	VPS11, COI	ENSG0000014062063	0.317274	0.931392	0.340645
ENSG0000014124	MAN2A1	mannosida	ENSG0000014031892	0.330868	0.971421	0.340602
ENSG0000019897	WASHC5	WASH com	ENSG0000014090966	-0.32173	0.94509	-0.34042
ENSG00000128978	TMEM14A	transmeml	ENSG0000015687543	0.741573	2.179164	0.340302

ENSG00000102724	ENSG00000102724	LOC102724	neuroblast	ENSG00000102724	9.077522	0.590856	1.736314	0.340294
ENSG00000137524	ENSG00000137524	ANKRD36	ankyrin repeat	ENSG00000137524	32.34715	-0.35653	1.047923	-0.34023
ENSG00000110087	ENSG00000110087	STARD13-A	STARD13 a	ENSG00000110087	23.63255	-0.40025	1.176928	-0.34008
ENSG0000013241	ENSG0000013241	HPCAL1	hippocampal	ENSG0000013241	19.38399	-0.44429	1.307663	-0.33976
ENSG00000179145	ENSG00000179145	CHCHD7	coiled-coil	ENSG00000179145	28.01437	-0.3732	1.098756	-0.33965
ENSG0000019342	ENSG0000019342	SNAP29	synaptobrevin	ENSG0000019342	23.6778	-0.4064	1.196602	-0.33963
ENSG0000019326	ENSG0000019326	ZNHIT3	zinc finger	ENSG0000019326	12.49013	0.512092	1.508271	0.339522
ENSG00000110285	ENSG00000110285	SMNDC1	survival motor	ENSG00000110285	28.21957	0.363681	1.071373	0.339453
ENSG00000110741	ENSG00000110741	RBBP9	RB binding	ENSG00000110741	14.85635	-0.48926	1.441433	-0.33942
ENSG00000102690	ENSG00000102690			ENSG00000102690	14.84	-0.49183	1.449079	-0.33941
ENSG00000110184	ENSG00000110184	LHFPL2	LHFPL tetra	ENSG00000110184	47.43577	0.311447	0.918859	0.33895
ENSG00000123243	ENSG00000123243	ANKRD28	ankyrin repeat	ENSG00000123243	74.15476	0.270864	0.799143	0.338944
ENSG00000110063	ENSG00000110063	COX17	cytochrome	ENSG00000110063	54.91593	0.284294	0.838821	0.338921
ENSG00000184866	ENSG00000184866	TMEM25	transmembrane	ENSG00000184866	10.76434	0.546767	1.61358	0.338853
ENSG00000116223	ENSG00000116223	ZFP1	ZFP1 zinc finger	ENSG00000116223	10.76434	0.546767	1.61358	0.338853
ENSG0000013309	ENSG0000013309	HSPA5	heat shock	ENSG0000013309	217.7482	-0.21178	0.625044	-0.33883
ENSG0000015604	ENSG0000015604	MAP2K1	mitogen-activated	ENSG0000015604	25.7958	-0.38541	1.137744	-0.33875
ENSG00000110050	ENSG00000110050	PSMB8-AS1	PSMB8 antisense	ENSG00000110050	3.261944	-1.01585	3.000435	-0.33857
ENSG00000144213	ENSG00000144213	PTCHD4	patched domain	ENSG00000144213	3.261944	-1.01585	3.000435	-0.33857
ENSG00000102343	ENSG00000102343			ENSG00000102343	3.261944	-1.01585	3.000435	-0.33857
ENSG00000128607	ENSG00000128607	ZNF707	zinc finger	ENSG00000128607	3.261944	-1.01585	3.000435	-0.33857
ENSG00000102749	ENSG00000102749			ENSG00000102749	3.261944	-1.01585	3.000435	-0.33857
ENSG0000016431	ENSG0000016431	SRSF6	serine and	ENSG0000016431	80.0097	0.252937	0.747355	0.338443
ENSG00000113971	ENSG00000113971	GAB3	GRB2 associated	ENSG00000113971	37.10118	0.327398	0.96738	0.338438
ENSG00000114717	ENSG00000114717	WIPF2	WAS/WASIP	ENSG00000114717	38.76275	-0.32633	0.964924	-0.3382
ENSG0000019482	ENSG0000019482	STX8	syntaxin 8	ENSG0000019482	15.92535	0.460438	1.362594	0.337913
ENSG0000012888	ENSG0000012888	GRB14	growth factor	ENSG0000012888	12.44488	0.528542	1.56417	0.337906
ENSG0000016093	ENSG0000016093	ROCK1	Rho associated	ENSG0000016093	146.9449	0.213811	0.633269	0.337631
ENSG00000138726	ENSG00000138726	C6orf120	chromosome	ENSG00000138726	15.96433	0.458243	1.357626	0.337533
ENSG00000157568	ENSG00000157568	SIPA1L2	signal inducer	ENSG00000157568	271.9137	0.189959	0.562828	0.337508
ENSG00000154386	ENSG00000154386	TERF2IP	TERF2 interactor	ENSG00000154386	44.20168	0.30581	0.906362	0.337403
ENSG00000155084	ENSG00000155084	SOBP	sine oculis	ENSG00000155084	30.11603	-0.35873	1.06325	-0.33739
ENSG00000125548	ENSG00000125548	RNF144B	ring finger	ENSG00000125548	103.5562	0.232834	0.690421	0.337235
ENSG0000015257	ENSG0000015257	PHKB	phosphorylation	ENSG0000015257	140.8286	0.228421	0.677531	0.337137
ENSG00000111019	ENSG00000111019	LIAS	lipoic acid	ENSG00000111019	19.22483	0.456733	1.355536	0.336939
ENSG0000016319	ENSG0000016319	SCD	stearoyl-CoA	ENSG0000016319	19.5034	-0.46753	1.388214	-0.33679
ENSG0000018611	ENSG0000018611	PLPP1	phospholipid	ENSG0000018611	30.09968	-0.3598	1.068341	-0.33679
ENSG00000111168	ENSG00000111168	PSIP1	PC4 and SF	ENSG00000111168	53.12854	0.286803	0.852046	0.336604
ENSG00000154014	ENSG00000154014	BRWD1	bromodomain	ENSG00000154014	193.0007	-0.20221	0.600919	-0.3365
ENSG00000138816	ENSG00000138816	UBE2Q2P1	ubiquitin	ENSG00000138816	9.038549	0.594304	1.766623	0.336407
ENSG0000011266	ENSG0000011266	CNN3	calponin 3	ENSG0000011266	102.3907	-0.23499	0.698652	-0.33634
ENSG00000102800	ENSG00000102800			ENSG00000102800	3.239318	-0.99423	2.956171	-0.33632
ENSG00000110721	ENSG00000110721	POLQ	DNA polymerase	ENSG00000110721	3.239318	-0.99423	2.956171	-0.33632
ENSG00000110050	ENSG00000110050	LOC100507	uncharacterized	ENSG00000110050	3.239318	-0.99423	2.956171	-0.33632
ENSG00000140473	ENSG00000140473	ANKHD1-E	ANKHD1-E	ENSG00000140473	3.239318	-0.99423	2.956171	-0.33632
ENSG00000102305	ENSG00000102305			ENSG00000102305	3.239318	-0.99423	2.956171	-0.33632
ENSG00000102601	ENSG00000102601			ENSG00000102601	3.239318	-0.99423	2.956171	-0.33632

ENSG00000124045	SPATA33	spermatog	ENSG00000132393	18	-0.99423	2.956171	-0.33632
ENSG0000014066	LYL1	LYL1, basic	ENSG00000132393	18	-0.99423	2.956171	-0.33632
ENSG00000110050	LOC100507	uncharacterized	ENSG00000132393	18	-0.99423	2.956171	-0.33632
ENSG000001147948	ZNF582	zinc finger	ENSG00000132393	18	-0.99423	2.956171	-0.33632
ENSG0000017290	HIRA	histone core	ENSG00000132393	18	-0.99423	2.956171	-0.33632
ENSG0000016635	SNRPE	small nuclear	ENSG00000110602	17	0.576932	1.715885	0.33623
ENSG0000019371	KIF3B	kinesin family	ENSG00000151412	83	0.289937	0.862526	0.336149
ENSG00000180303	EFHD1	EF-hand domain	ENSG00000127952	77	-0.36909	1.098063	-0.33612
ENSG0000016132	RPL8	ribosomal	ENSG00000125187	66	0.192706	0.573362	0.336099
ENSG00000111215	AKAP11	A-kinase anchoring	ENSG00000112582	44	-0.2249	0.669222	-0.33606
ENSG00000155740	ENAH	ENAH, actin	ENSG00000115297	75	-0.2121	0.631646	-0.33578
ENSG0000013749	KCNC4	potassium	ENSG00000110351	33	-0.58279	1.73616	-0.33568
ENSG00000155676	SLC30A6	solute carrier	ENSG00000132285	55	-0.35294	1.051616	-0.33562
ENSG0000012791	GNG11	G protein subunit	ENSG00000172987	14	0.257029	0.765984	0.335554
ENSG000001115209	OMA1	OMA1 zinc	ENSG00000122974	33	0.39302	1.171409	0.335511
ENSG00000110067	SCAMP3	secretory carrier	ENSG00000122974	33	0.39302	1.171409	0.335511
ENSG000001220323	OAF	out at first	ENSG00000117058	57	-0.45705	1.362248	-0.33551
ENSG000001128308	MRPL55	mitochondrial	ENSG00000157105	59	-0.75821	2.2605	-0.33542
ENSG000001482	ATP1B2	ATPase Na <sup>+</sup> /K <sup>+</sup>	ENSG00000157105	59	-0.75821	2.2605	-0.33542
ENSG00000110444	ZER1	zyg-11 related	ENSG00000172739	96	-0.25892	0.771947	-0.33541
ENSG00000123382	AHCYL2	adenosylhomocysteine	ENSG00000117673	77	0.438358	1.307103	0.335366
ENSG0000013735	KARS	lysyl-tRNA	ENSG00000110538	88	0.230925	0.68863	0.33534
ENSG0000019466	IL27RA	interleukin 27	ENSG00000119205	48	-0.43233	1.289803	-0.33519
ENSG000001200845	KCTD6	potassium	ENSG00000180196	32	-0.63932	1.907612	-0.33514
ENSG000001221322	TBC1D32	TBC1 domain	ENSG00000110696	46	0.575767	1.718174	0.335104
ENSG0000018480	RAE1	ribonucleic	ENSG00000110306	08	-0.56864	1.697166	-0.33505
ENSG0000011314	COPA	coatamer protein	ENSG00000116978	82	-0.20641	0.616478	-0.33483
ENSG0000017525	YES1	YES proto-oncogene	ENSG00000159996	78	-0.27584	0.824042	-0.33474
ENSG0000017533	YWHAH	tyrosine 3-phosphatase	ENSG00000172993	42	0.255547	0.763465	0.33472
ENSG0000014037	LRP3	LDL receptor	ENSG00000180586	04	-0.64355	1.922732	-0.33471
ENSG00000126156	RSL1D1	ribosomal	ENSG00000110235	17	-0.23445	0.700826	-0.33453
ENSG00000155790	CSGALNAC	chondroitin	ENSG00000185778	58	-0.2523	0.754196	-0.33453
ENSG00000164897	C12orf43	chromosome	ENSG00000180648	82	-0.65722	1.966277	-0.33425
ENSG00000110050	LINC00888	long intergenic	ENSG00000156715	87	-0.7525	2.251494	-0.33422
ENSG0000011717	DHCR7	7-dehydrocholesterol	ENSG00000114794	75	-0.48172	1.441441	-0.33419
ENSG0000012224	FDPS	farnesyl diphosphate	ENSG00000122996	95	0.388851	1.164009	0.334062
ENSG0000013712	IVD	isovaleryl-CoA	ENSG00000181862	48	0.253004	0.758269	0.33366
ENSG00000128982	FLVCR1	feline leukemia	ENSG00000157491	41	0.716128	2.147071	0.333537
ENSG0000013128	HLA-DRB6	major histocompatibility	ENSG00000157491	41	0.716128	2.147071	0.333537
ENSG00000110192	LINC01535	long intergenic	ENSG00000157491	41	0.716128	2.147071	0.333537
ENSG00000110050	LINC00649	long intergenic	ENSG00000157491	41	0.716128	2.147071	0.333537
ENSG00000179891	ZNF671	zinc finger	ENSG00000119422	18	0.42025	1.260085	0.33351
ENSG00000180298	MTERF2	mitochondrial	ENSG00000112553	55	-0.52163	1.56409	-0.3335
ENSG00000190	ACVR1	activin A receptor	ENSG00000123548	33	-0.39226	1.176185	-0.3335
ENSG0000014976	OPA1	OPA1, mitochondrial	ENSG00000120391	37	0.211474	0.634204	0.333448
ENSG0000016331	SCN5A	sodium voltage	ENSG00000127421	53	-0.2148	0.644385	-0.33334
ENSG00000179577	CDC73	cell division	ENSG00000176920	64	-0.25306	0.759437	-0.33322

ENSG00000127042	UTP25	UTP25, sm	ENSG0000011700325	-0.45697	1.371434	-0.33321
ENSG0000017247	TSN	translin	ENSG0000014251487	0.305536	0.917249	0.333101
ENSG0000015007	OSBP	oxysterol b	ENSG00000174.79636	-0.25453	0.764596	-0.3329
ENSG0000011390	CREM	cAMP resp	ENSG00000119.50013	0.416392	1.251784	0.332638
ENSG00000151122	COMMD2	COMM dor	ENSG00000119.2608	-0.43248	1.300196	-0.33262
ENSG00000184516	DCTN5	dynactin st	ENSG00000147.26366	-0.2995	0.900565	-0.33256
ENSG000001131601	TPRA1	transmeml	ENSG00000112.55172	0.50109	1.507079	0.332491
ENSG00000193594	TBC1D31	TBC1 domæ	ENSG00000112.55172	0.50109	1.507079	0.332491
ENSG00000151393	TRPV2	transient r	ENSG00000112.55172	0.50109	1.507079	0.332491
ENSG0000015509	PPP1R3D	protein ph	ENSG00000112.55172	0.50109	1.507079	0.332491
ENSG00000111340	EXOSC8	exosome c	ENSG00000112.51275	0.503716	1.51513	0.332457
ENSG000001672	BRCA1	BRCA1, DN	ENSG00000114.83372	-0.48426	1.45674	-0.33243
ENSG000001399959	MIR100HG	mir-100-le	ENSG00000142.55384	0.304465	0.915888	0.332426
ENSG0000019765	ZFYVE16	zinc finger	ENSG000001100.1595	-0.23321	0.701582	-0.3324
ENSG00000151676	ASB2	ankyrin re	ENSG000001118.1469	0.223523	0.672558	0.332348
ENSG0000018467	SMARCA5	SWI/SNF r	ENSG000001139.8218	0.215091	0.647306	0.332287
ENSG0000019378	NRXN1	neurexin 1	ENSG00000114.17066	0.499322	1.502845	0.332251
ENSG000001178	AGL	amylo-alph	ENSG00000121.1706	0.405136	1.219656	0.332172
ENSG0000019191	DEDD	death effe	ENSG00000121.1706	0.405136	1.219656	0.332172
ENSG00000123252	OTUD3	OTU deubi	ENSG00000112.53093	-0.51569	1.552559	-0.33216
ENSG000001254827	NAALADL2	N-acetylata	ENSG00000112.53093	-0.51569	1.552559	-0.33216
ENSG00000129993	PACSIN1	protein kin	ENSG00000112.53093	-0.51569	1.552559	-0.33216
ENSG000001154141	MBOAT1	membrane	ENSG0000015.788113	0.711666	2.143831	0.33196
ENSG00000157536	KIAA1328	KIAA1328	ENSG00000114.75578	-0.47926	1.443969	-0.33191
ENSG00000155527	FEM1A	fem-1 hom	ENSG00000114.75578	-0.47926	1.443969	-0.33191
ENSG00000179882	ZC3H14	zinc finger	ENSG00000151.54112	-0.29467	0.888035	-0.33183
ENSG000001375033	PEAR1	platelet en	ENSG00000127.92008	-0.37133	1.119892	-0.33158
ENSG00000126224	FBXL3	F-box and l	ENSG00000160.43019	0.269895	0.814741	0.331265
ENSG0000016788	STK3	serine/thre	ENSG00000137.16906	0.320157	0.966734	0.331174
ENSG00000189894	TMEM116	transmeml	ENSG00000138.60058	-0.31919	0.963806	-0.33117
ENSG0000012950	GSTP1	glutathione	ENSG00000189.29359	0.240093	0.725396	0.330982
ENSG00000123410	SIRT3	sirtuin 3	ENSG00000131.74909	0.352305	1.06449	0.330961
ENSG0000019918	NCAPD2	non-SMC c	ENSG00000128.32014	0.357436	1.080083	0.330934
ENSG00000164429	ZDHHC6	zinc finger	ENSG00000124.66742	0.38135	1.153451	0.330616
ENSG00000190480	GADD45G	GADD45G	ENSG00000117.77434	0.428649	1.296681	0.330574
ENSG0000013069	HDLBP	high densit	ENSG000001578.6846	-0.17032	0.515343	-0.3305
ENSG00000164061	TSPYL2	TSPY like 2	ENSG00000142.95978	-0.30853	0.934804	-0.33004
ENSG00000181573	ANKRD13C	ankyrin re	ENSG00000133.57166	0.334219	1.012848	0.329979
ENSG0000014924	NUCB1	nucleobinc	ENSG000001132.7791	0.213681	0.647588	0.329965
ENSG000001219899	TBCEL	tubulin fol	ENSG00000144.98349	-0.29997	0.909955	-0.32965
ENSG000001270733			ENSG0000012.582928	1.033348	3.13508	0.329608
ENSG000001249286			ENSG0000012.582928	1.033348	3.13508	0.329608
ENSG000001137209	ZNF572	zinc finger	ENSG0000012.582928	1.033348	3.13508	0.329608
ENSG000001113675	SDSL	serine deh	ENSG0000012.582928	1.033348	3.13508	0.329608
ENSG000001283551	LINC01588	long interg	ENSG0000012.582928	1.033348	3.13508	0.329608
ENSG00000155329	MNS1	meiosis sp	ENSG0000012.582928	1.033348	3.13508	0.329608
ENSG000001272079			ENSG0000012.582928	1.033348	3.13508	0.329608



ENSG00000100291	105	LOC100291	uncharacterized	ENSG00000100291	2.582928	1.033348	3.13508	0.329608
ENSG00000101968		EIF2S3	eukaryotic translation	ENSG00000101968	103.8416	0.227109	0.68918	0.329535
ENSG00000105502		TMCO3	transmembrane protein	ENSG00000105502	38.97907	0.312948	0.949724	0.329515
ENSG00000105762		ZFAT	zinc finger protein	ENSG00000105762	17.6348	0.440715	1.337922	0.329402
ENSG00000105498		PINX1	PIN2 (TERF1) binding	ENSG00000105498	4.08495	0.853321	2.591451	0.329283
ENSG00000101160		CKMT2	creatine kinase	ENSG00000101160	855.1521	0.180718	0.549734	0.328736
ENSG00000102710		ARRDC2	arrestin domain containing	ENSG00000102710	32.17243	-0.34162	1.039235	-0.32872
ENSG00000106497		MRPL40	mitochondrial ribosomal	ENSG00000106497	26.59435	0.362015	1.101859	0.328549
ENSG00000102994		ANAPC4	anaphase promoting complex	ENSG00000102994	21.23219	0.398743	1.213693	0.328537
ENSG00000101016		PDCD6	programmed cell death	ENSG00000101016	25.64998	-0.37364	1.137431	-0.32849
ENSG00000104411		C5orf56	chromosome 5 open reading	ENSG00000104411	25.64998	-0.37364	1.137431	-0.32849
ENSG00000102301		RAB21	RAB21, member of RAB	ENSG00000102301	205.7741	-0.20015	0.60939	-0.32844
ENSG00000105570		MAP7D1	MAP7 domain containing	ENSG00000105570	187.8511	-0.21462	0.653472	-0.32844
ENSG00000105587		CBWD1	COBW domain containing	ENSG00000105587	19.12125	-0.42254	1.286812	-0.32836
ENSG00000106498		MRPL32	mitochondrial ribosomal	ENSG00000106498	34.57579	-0.34515	1.051163	-0.32835
ENSG00000102578		RASGRP3	RAS guanine nucleotide	ENSG00000102578	68.36821	-0.25896	0.78896	-0.32824
ENSG00000102521		HSPA12A	heat shock protein	ENSG00000102521	28.36539	0.35089	1.069097	0.328212
ENSG00000105398		CPSF2	cleavage factor	ENSG00000105398	92.98777	0.233541	0.712185	0.327922
ENSG00000101026		SF3B4	splicing factor	ENSG00000101026	14.77212	-0.47666	1.453635	-0.32791
ENSG00000101479		ZNF583	zinc finger protein	ENSG00000101479	10.86491	0.530976	1.619471	0.32787
ENSG00000108030		CCDC6	coiled-coil domain	ENSG00000108030	47.10149	-0.29353	0.895258	-0.32787
ENSG00000101013		CCDC18-A	CCDC18 alternative	ENSG00000101013	12.5083	-0.50966	1.554601	-0.32784
ENSG00000109753		ZSCAN12	zinc finger protein	ENSG00000109753	12.5083	-0.50966	1.554601	-0.32784
ENSG00000106408		SNX16	sorting nexin	ENSG00000106408	12.5083	-0.50966	1.554601	-0.32784
ENSG00000101064		IGF2BP2	insulin like growth factor	ENSG00000101064	29.97648	-0.35212	1.074282	-0.32777
ENSG00000105166		HSPB11	heat shock protein	ENSG00000105166	7.980659	-0.63498	1.93743	-0.32775
ENSG00000105660		CYP26B1	cytochrome P450	ENSG00000105660	7.980659	-0.63498	1.93743	-0.32775
ENSG00000104015		CENPP	centromere protein	ENSG00000104015	7.980659	-0.63498	1.93743	-0.32775
ENSG00000107913		DHX58	DEXH-box protein	ENSG00000107913	7.474929	0.620774	1.894189	0.327725
ENSG00000107773		ZNF230	zinc finger protein	ENSG00000107773	7.474929	0.620774	1.894189	0.327725
ENSG00000101147		STK11IP	serine/threonine kinase	ENSG00000101147	16.04855	0.443408	1.353888	0.327507
ENSG00000102988		ANAPC2	anaphase promoting complex	ENSG00000102988	16.04855	0.443408	1.353888	0.327507
ENSG00000104007		C1orf226	chromosome 1 open reading	ENSG00000104007	5.648961	-0.73942	2.259538	-0.32724
ENSG00000102743		GLRB	glycine receptor	ENSG00000102743	5.648961	-0.73942	2.259538	-0.32724
ENSG00000104135		MAP6	microtubule associated	ENSG00000104135	5.648961	-0.73942	2.259538	-0.32724
ENSG00000105517		DNAAF2	dynein axonemal	ENSG00000105517	5.648961	-0.73942	2.259538	-0.32724
ENSG00000107922		THOC6	THO complex	ENSG00000107922	5.648961	-0.73942	2.259538	-0.32724
ENSG00000101140		CHRNA1	cholinergic receptor	ENSG00000101140	5.648961	-0.73942	2.259538	-0.32724
ENSG00000102011		TVP23C	trans-golgi network	ENSG00000102011	5.648961	-0.73942	2.259538	-0.32724
ENSG00000102746				ENSG00000102746	12.41218	0.518184	1.583706	0.327197
ENSG00000102592		MTHFD1L	methylenetetrahydrofolate	ENSG00000102592	7.958034	-0.62577	1.914909	-0.32679
ENSG00000107978		CLMN	calmin	ENSG00000107978	40.86702	0.304154	0.930931	0.326721
ENSG00000101643		DDB2	damage binding protein	ENSG00000101643	16.94165	-0.45032	1.378879	-0.32658
ENSG00000101007		GNPDA1	glucosaminyl transferase	ENSG00000101007	21.2845	-0.40221	1.231939	-0.32649
ENSG00000108375		LONP2	lon peptidase	ENSG00000108375	179.8917	-0.19894	0.609731	-0.32627
ENSG00000109180		MYLK3	myosin light chain	ENSG00000109180	678.3681	-0.18406	0.56438	-0.32613
ENSG00000107410		VAV2	vav guanine nucleotide	ENSG00000107410	10.28973	-0.57205	1.75414	-0.32612

ENSG0000017352	UCP3	uncoupling	ENSG0000013278291	-1.00484	3.082828	-0.32595
ENSG00000179748	LMAN1L	lectin, man	ENSG0000013278291	-1.00484	3.082828	-0.32595
ENSG00000111041	B4GAT1	beta-1,4-gl	ENSG0000012360365	-0.39263	1.204882	-0.32586
ENSG0000010235020			ENSG0000014185521	0.811041	2.489233	0.32582
ENSG00000179847	MFSD13A	major facili	ENSG0000014185521	0.811041	2.489233	0.32582
ENSG00000184996	URB1-AS1	URB1 antis	ENSG0000014185521	0.811041	2.489233	0.32582
ENSG00000110827	FAM114A2	family with	ENSG0000014444807	0.293764	0.901669	0.3258
ENSG00000157045	TWSG1	twisted ga	ENSG0000012571785	-0.38199	1.173168	-0.32561
ENSG0000019043	SPAG9	sperm assc	ENSG0000011964086	0.194578	0.597703	0.325543
ENSG0000015118	PCOLCE	procollage	ENSG000001147168	-0.47667	1.46462	-0.32546
ENSG0000015868	RAB5A	RAB5A, me	ENSG0000014279761	-0.30199	0.927897	-0.32545
ENSG00000153918	PELO	pelota mRf	ENSG000001168964	-0.44157	1.357045	-0.32539
ENSG000001342926	ZNF677	zinc finger	ENSG0000011246933	-0.50682	1.557613	-0.32539
ENSG00000181559	TRIM11	tripartite n	ENSG0000011088753	0.521216	1.60245	0.325262
ENSG0000012072	ERCC4	ERCC excis	ENSG0000011954538	0.406345	1.249501	0.325206
ENSG00000157532	NUFIP2	nuclear FM	ENSG0000012303038	-0.18996	0.584127	-0.3252
ENSG0000010237491			ENSG0000014146548	0.816552	2.511355	0.325144
ENSG000001822	CAPG	capping ac	ENSG0000014146548	0.816552	2.511355	0.325144
ENSG0000017458	EIF4H	eukaryotic	ENSG0000011509513	-0.21227	0.652935	-0.3251
ENSG00000155588	MED29	mediator c	ENSG0000013003586	0.347103	1.067755	0.325077
ENSG00000157018	CCNL1	cyclin L1	ENSG0000015563758	-0.28044	0.863003	-0.32496
ENSG0000017728	ZNF175	zinc finger	ENSG0000011600958	0.445696	1.371999	0.324851
ENSG0000019128	PRPF4	pre-mRNA	ENSG000001191376	-0.42061	1.295	-0.3248
ENSG0000011376	CPT2	carnitine p	ENSG0000012150199	-0.4153	1.278734	-0.32477
ENSG00000164411	ARAP3	ArfGAP wit	ENSG0000014275864	-0.30095	0.92691	-0.32468
ENSG00000155684	RABL6	RAB, meml	ENSG0000014275864	-0.30095	0.92691	-0.32468
ENSG00000181873	ARPC5L	actin relat	ENSG0000011608752	0.441208	1.359687	0.324492
ENSG00000155129	ANO10	anoctamin	ENSG0000011247378	0.506872	1.562475	0.324403
ENSG000001440465	BAIAP2-DT	BAIAP2 div	ENSG000001125907	0.498222	1.535933	0.324378
ENSG00000151230	PHF20	PHD finger	ENSG0000015978308	-0.26718	0.82384	-0.32431
ENSG00000151317	PHF21A	PHD finger	ENSG0000016186838	-0.26419	0.814774	-0.32425
ENSG00000151465	UBE2J1	ubiquitin c	ENSG0000014287177	-0.30921	0.954337	-0.324
ENSG00000156731	SLC2A4RG	SLC2A4 reg	ENSG0000012312015	0.377162	1.164793	0.323802
ENSG00000151209	RAB9B	RAB9B, me	ENSG0000012312015	0.377162	1.164793	0.323802
ENSG00000123506	BICRAL	BRD4 inter	ENSG0000015524655	0.270657	0.836238	0.32366
ENSG00000157117	INTS12	integrator	ENSG0000015609989	-0.73369	2.266922	-0.32365
ENSG0000010253372			ENSG0000015609989	-0.73369	2.266922	-0.32365
ENSG00000151118	UTP11	UTP11, sm	ENSG0000013019175	0.341374	1.054899	0.323608
ENSG00000179602	ADIPOR2	adiponecti	ENSG0000019786682	-0.23011	0.711213	-0.32354
ENSG0000017813	EVI5	ecotropic v	ENSG0000017046358	-0.25505	0.788833	-0.32332
ENSG00000110012946C	DPY19L1P1	DPY19L1 p	ENSG0000011432276	0.4616	1.428587	0.323116
ENSG000001400761	LRRC8C-DT	LRRC8C div	ENSG0000013177721	-0.96236	2.978894	-0.32306
ENSG00000179805	VASH2	vasohibin 2	ENSG0000013177721	-0.96236	2.978894	-0.32306
ENSG000001677797	SNORA7B	small nucle	ENSG0000013177721	-0.96236	2.978894	-0.32306
ENSG00000111174	ADAMTS6	ADAM met	ENSG0000013177721	-0.96236	2.978894	-0.32306
ENSG0000010254163			ENSG0000013177721	-0.96236	2.978894	-0.32306
ENSG0000019630	GNA14	G protein s	ENSG0000013177721	-0.96236	2.978894	-0.32306

ENSG0000013741	KCNA5	potassium	ENSG0000013741	3.177721	-0.96236	2.978894	-0.32306
ENSG00000165057	ACD	ACD, shelterin	ENSG00000165057	3.177721	-0.96236	2.978894	-0.32306
ENSG0000010268756			ENSG0000010268756	3.177721	-0.96236	2.978894	-0.32306
ENSG0000013748	KCNC3	potassium	ENSG0000013748	3.177721	-0.96236	2.978894	-0.32306
ENSG0000016950	TCP1	t-complex	ENSG0000016950	102.239	0.223572	0.692084	0.323042
ENSG00000181034	SLC25A32	solute carrier	ENSG00000181034	21.19322	0.400816	1.240822	0.323025
ENSG00000110989	IMMT	inner membrane	ENSG00000110989	211.7422	-0.19566	0.605783	-0.32298
ENSG000001256987	SERINC5	serine incorporator	ENSG000001256987	44.50967	0.290769	0.901063	0.322695
ENSG0000018452	CUL3	cullin 3	ENSG0000018452	89.45576	0.236425	0.732695	0.322679
ENSG000001149013	NBPF12	NBPF membrane	ENSG000001149013	10.84856	0.524238	1.625973	0.322415
ENSG00000179365	BHLHE41	basic helix-loop-helix	ENSG00000179365	17.79069	0.4318	1.340202	0.32219
ENSG000001832	CAPZB	capping protein	ENSG000001832	91.40152	0.229927	0.713761	0.322135
ENSG0000011106	CHD2	chromodomain	ENSG0000011106	131.3575	-0.21111	0.655664	-0.32197
ENSG00000155697	VAC14	Vac14, PIKfyve	ENSG00000155697	23.44148	-0.38103	1.183742	-0.32188
ENSG00000164601	VPS16	VPS16, COG	ENSG00000164601	16.87378	-0.43709	1.359215	-0.32157
ENSG00000122869	ZNF510	zinc finger	ENSG00000122869	33.79542	0.320998	0.998593	0.321451
ENSG00000122936	ELL2	elongation factor	ENSG00000122936	85.02934	-0.23645	0.735644	-0.32142
ENSG0000013953	LEPR	leptin receptor	ENSG0000013953	32.01026	-0.33309	1.036486	-0.32137
ENSG0000012548	GAA	glucosylase	ENSG0000012548	32.08821	-0.33573	1.045014	-0.32127
ENSG00000157489	ODF2L	outer dense body	ENSG00000157489	21.23925	-0.39515	1.229944	-0.32127
ENSG0000019092	SART1	spliceosome	ENSG0000019092	33.75645	0.322278	1.003632	0.321112
ENSG000001342892	ZNF850	zinc finger	ENSG000001342892	17.85856	0.415471	1.293966	0.321083
ENSG00000111183	MAP4K5	mitogen-activated	ENSG00000111183	40.8733	0.300973	0.937421	0.321065
ENSG0000013619	INCENP	inner centromere	ENSG0000013619	7.935409	-0.61631	1.919678	-0.32105
ENSG00000110200	MPHOSPH8	M-phase phosphatase	ENSG00000110200	7.935409	-0.61631	1.919678	-0.32105
ENSG00000180017	DGLUCY	D-glutamyl	ENSG00000180017	220.6454	-0.19864	0.618835	-0.32098
ENSG0000016844	VAMP2	vesicle-associated	ENSG0000016844	34.15089	-0.32415	1.010248	-0.32086
ENSG0000014925	NUCB2	nucleobindin	ENSG0000014925	49.82658	0.285381	0.889738	0.320748
ENSG0000019368	SLC9A3R1	SLC9A3 regulator	ENSG0000019368	12.48568	-0.50368	1.570626	-0.32069
ENSG00000179039	DDX54	DEAD-box	ENSG00000179039	19.60698	0.399454	1.245627	0.320685
ENSG00000155608	ANKRD10	ankyrin repeat	ENSG00000155608	74.70835	-0.25439	0.793504	-0.3206
ENSG00000130815	ST6GALNA5	ST6 N-acetyl	ENSG00000130815	58.78862	0.265826	0.829222	0.320572
ENSG000001378805	LINC-PINT	long intergenic	ENSG000001378805	19.03703	-0.41265	1.287275	-0.32056
ENSG00000110422	UBAC1	UBA domain	ENSG00000110422	57.11815	0.264933	0.826502	0.320547
ENSG000001285381	DPH3	diphthamide	ENSG000001285381	28.44334	0.347908	1.0854	0.320535
ENSG00000100272129			ENSG00000100272129	3.216693	-0.97233	3.034009	-0.32048
ENSG00000154986	ULK4	unc-51 like	ENSG00000154986	10.18288	-0.54721	1.709041	-0.32018
ENSG00000151112	TRAPPC12	trafficking	ENSG00000151112	49.0963	-0.28287	0.883602	-0.32014
ENSG00000155670	PEX26	peroxisome	ENSG00000155670	44.81504	-0.29151	0.911612	-0.31978
ENSG0000012794	GNL1	G protein receptor	ENSG0000012794	29.84701	-0.34086	1.066163	-0.3197
ENSG00000159349	KLHL12	kelch like family	ENSG00000159349	34.13454	-0.32505	1.016924	-0.31964
ENSG00000110427	SEC24B	SEC24 homolog	ENSG00000110427	74.44312	-0.24466	0.765683	-0.31954
ENSG00000110019	SH2B3	SH2B adaptor	ENSG00000110019	89.64683	0.230885	0.722915	0.319381
ENSG000001997	CDC34	cell division	ENSG000001997	25.68267	-0.37112	1.162036	-0.31937
ENSG0000012783	GNB2	G protein subunit	ENSG0000012783	39.20283	0.301568	0.944625	0.319247
ENSG000001285315	C3orf33	chromosome	ENSG000001285315	5.849711	0.686602	2.155763	0.318496
ENSG00000191544	UBXN11	UBX domain	ENSG00000191544	7.536527	0.602017	1.890522	0.31844

ENSG000001202243	CCDC125	coiled-coil	ENSG0000017536527	0.602017	1.890522	0.31844
ENSG00000190355	C5orf30	chromosom	ENSG0000017536527	0.602017	1.890522	0.31844
ENSG000001170575	GIMAP1	GTPase, IV	ENSG0000017536527	0.602017	1.890522	0.31844
ENSG000001220064	LTO1	LTO1, ABC	ENSG0000017536527	0.602017	1.890522	0.31844
ENSG0000010268362			ENSG0000017536527	0.602017	1.890522	0.31844
ENSG0000011534	CYB561	cytochrom	ENSG0000015587364	-0.72043	2.262903	-0.31837
ENSG0000017976	FZD3	frizzled cl	ENSG0000011240773	-0.4979	1.563931	-0.31836
ENSG000001165121			ENSG0000011240773	-0.4979	1.563931	-0.31836
ENSG000001781	CACNA2D1	calcium vo	ENSG0000011333459	0.236791	0.743824	0.318342
ENSG000001892	CCNC	cyclin C	ENSG0000013202661	-0.3321	1.043436	-0.31828
ENSG00000185352	SHISAL1	shisa like 1	ENSG0000015687934	-0.74607	2.345925	-0.31803
ENSG000001144097	SPINDOC	spindlin int	ENSG0000017896436	-0.61209	1.92465	-0.31803
ENSG00000157407	NMRAL1	NmrA like	ENSG0000017896436	-0.61209	1.92465	-0.31803
ENSG00000126504	CNNM4	cyclin and	ENSG0000014103664	-0.32256	1.014518	-0.31795
ENSG000001441024	MTHFD2L	methylene	ENSG0000011438436	0.452112	1.422298	0.317874
ENSG0000019689	BZW1	basic leucir	ENSG0000019334545	-0.22741	0.715424	-0.31787
ENSG000001201164	PLD6	phospholip	ENSG0000017513902	0.616596	1.940037	0.317827
ENSG0000015281	PIGF	phosphatic	ENSG0000019223343	0.548399	1.726563	0.317625
ENSG000001285550	FAM200B	family with	ENSG0000011614912	0.432737	1.362481	0.31761
ENSG000001148156	ZNF558	zinc finger	ENSG0000011614912	0.432737	1.362481	0.31761
ENSG0000018857	FCGBP	Fc fragmer	ENSG0000012378308	-1.66057	5.228387	-0.31761
ENSG000001130271	PLEKHH2	pleckstrin	ENSG0000017919061	-0.62127	1.95649	-0.31754
ENSG0000010267653			ENSG0000017919061	-0.62127	1.95649	-0.31754
ENSG00000126523	AGO1	argonaute	ENSG0000018914214	-0.2302	0.725085	-0.31748
ENSG000001168451	THAP5	THAP dom	ENSG000001374318	0.307033	0.967136	0.317466
ENSG0000015090	PBX3	PBX home	ENSG0000014713419	-0.29258	0.921757	-0.31742
ENSG0000014792	NFKBIA	NFKB inhib	ENSG0000011086076	-0.23057	0.72642	-0.3174
ENSG000001343099	CCDC18	coiled-coil	ENSG0000011267492	0.479268	1.51007	0.317382
ENSG000001389203	SMIM20	small integ	ENSG0000011267492	0.479268	1.51007	0.317382
ENSG0000015901	RAN	RAN, mem	ENSG0000018788835	0.229392	0.722967	0.317292
ENSG000001169792	GLIS3	GLIS family	ENSG0000011460996	-0.45889	1.446844	-0.31717
ENSG0000011829	DSG2	desmoglein	ENSG0000018578865	-0.25155	0.793129	-0.31716
ENSG0000019070	ASH2L	ASH2 like,	ENSG0000013622991	-0.31308	0.987158	-0.31715
ENSG00000191461	PKDCC	protein kin	ENSG0000013837054	-0.30628	0.96607	-0.31704
ENSG00000185463	ZC3H12C	zinc finger	ENSG0000016971029	0.248047	0.782541	0.316976
ENSG00000155968	NSFL1C	NSFL1 cofa	ENSG0000016258088	0.257108	0.811201	0.316947
ENSG0000014774	NFIA	nuclear fac	ENSG0000012987558	-0.17685	0.55807	-0.31689
ENSG00000151076	CUTC	cutC coppe	ENSG0000012117766	-0.38977	1.230073	-0.31687
ENSG00000183989	FAM172A	family with	ENSG000001231654	0.368915	1.164663	0.316757
ENSG0000013187	HNRNPH1	heterogen	ENSG0000012153345	-0.19077	0.60234	-0.31672
ENSG000001100506753	AZIN1-AS1	AZIN1 anti	ENSG0000014208146	0.781205	2.467073	0.316653
ENSG00000155135	WRAP53	WD repeat	ENSG0000014208146	0.781205	2.467073	0.316653
ENSG0000010270189			ENSG0000014208146	0.781205	2.467073	0.316653
ENSG00000151643	TMBIM4	transmem	ENSG0000011440071	0.456678	1.442426	0.316604
ENSG0000011954	MEGF8	multiple E	ENSG0000018731958	-0.23697	0.748541	-0.31658
ENSG0000019372	ZFYVE9	zinc finger	ENSG0000015109738	-0.27498	0.868851	-0.31649
ENSG000001145075			ENSG0000019061174	0.583434	1.843847	0.316422

ENSG0000010654	PMVK	phosphom	ENSG0000010654	10.16026	-0.53977	1.706701	-0.31627
ENSG00000129886	SNX8	sorting nex	ENSG00000129886	10.16026	-0.53977	1.706701	-0.31627
ENSG000001254013	ETFBKMT	electron tr	ENSG000001254013	10.16026	-0.53977	1.706701	-0.31627
ENSG0000019638	FEZ1	fasciculatic	ENSG0000019638	21.43333	0.382473	1.209344	0.316265
ENSG00000110978	CLP1	cleavage al	ENSG00000110978	7.497554	0.6059	1.916725	0.316112
ENSG00000151020	HDDC2	HD domair	ENSG00000151020	33.77908	0.319657	1.011803	0.315928
ENSG0000019526	MPDU1	mannose-F	ENSG0000019526	16.13277	0.428768	1.357228	0.315915
ENSG00000183787	ARMC10	armadillo r	ENSG00000183787	17.92016	0.407928	1.291697	0.315808
ENSG00000155142	HAUS2	HAUS augr	ENSG00000155142	17.92016	0.407928	1.291697	0.315808
ENSG0000015883	RAD9A	RAD9 chec	ENSG0000015883	5.872337	0.666804	2.112211	0.31569
ENSG000001146857	SLFN13	schlafen fa	ENSG000001146857	5.872337	0.666804	2.112211	0.31569
ENSG0000019668	ZNF432	zinc finger	ENSG0000019668	12.38511	-0.4918	1.557953	-0.31567
ENSG0000019295	SRSF11	serine and	ENSG0000019295	89.41927	0.233654	0.740357	0.315596
ENSG00000127343	POLL	DNA polyr	ENSG00000127343	12.42408	-0.49469	1.567673	-0.31556
ENSG00000100271347			ENSG00000100271347	12.42408	-0.49469	1.567673	-0.31556
ENSG000001328	APEX1	apurinic/a	ENSG000001328	32.10861	0.32152	1.018907	0.315554
ENSG0000019898	UBAP2L	ubiquitin a	ENSG0000019898	135.2793	-0.20462	0.648611	-0.31547
ENSG00000100226216			ENSG00000100226216	2.605554	0.979434	3.104918	0.315446
ENSG000001152078	PQLC2L	PQ loop re	ENSG000001152078	2.605554	0.979434	3.104918	0.315446
ENSG00000126271	FBXO5	F-box prote	ENSG00000126271	2.605554	0.979434	3.104918	0.315446
ENSG00000110436	EMG1	EMG1, N1-	ENSG00000110436	2.605554	0.979434	3.104918	0.315446
ENSG0000013820	KLRB1	killer cell le	ENSG0000013820	2.605554	0.979434	3.104918	0.315446
ENSG00000179866	BORA	bora, auro	ENSG00000179866	2.605554	0.979434	3.104918	0.315446
ENSG000001384	ARG2	arginase 2	ENSG000001384	2.605554	0.979434	3.104918	0.315446
ENSG000001126295	ZNF57	zinc finger	ENSG000001126295	2.605554	0.979434	3.104918	0.315446
ENSG000001126382	NR2C2AP	nuclear rec	ENSG000001126382	2.605554	0.979434	3.104918	0.315446
ENSG000001100507599	LOC100507599	uncharacte	ENSG000001100507599	2.605554	0.979434	3.104918	0.315446
ENSG00000156913	C1GALT1	core 1 synt	ENSG00000156913	33.896	0.315785	1.001181	0.315412
ENSG000001285521	COX18	cytochrom	ENSG000001285521	24.99176	0.35639	1.130005	0.315388
ENSG00000154816	ZNF280D	zinc finger	ENSG00000154816	69.88881	0.243866	0.773641	0.315218
ENSG00000184950	PRPF38A	pre-mRNA	ENSG00000184950	26.7628	0.344945	1.09453	0.315154
ENSG0000012316	FLNA	filamin A	ENSG0000012316	517.2645	0.172437	0.547511	0.314948
ENSG000001115548	FCHO2	FCH domai	ENSG000001115548	60.8224	0.255345	0.810872	0.314902
ENSG000001410	ARSA	arylsulfata	ENSG000001410	17.88119	0.409989	1.302911	0.314671
ENSG00000129888	STRN4	striatin 4	ENSG00000129888	33.87965	0.314389	0.999424	0.31457
ENSG00000151524	TMEM138	transmembr	ENSG00000151524	12.69754	0.471123	1.498259	0.314447
ENSG00000151741	WWOX	WW doma	ENSG00000151741	12.69754	0.471123	1.498259	0.314447
ENSG000001162427	RETREG3	reticuloph	ENSG000001162427	51.05841	-0.27407	0.871921	-0.31433
ENSG0000013183	HNRNPC	heterogen	ENSG0000013183	218.8641	0.183415	0.583628	0.314266
ENSG00000183852	SETDB2	SET domai	ENSG00000183852	30.33757	0.329508	1.048941	0.314134
ENSG0000014641	MYO1C	myosin IC	ENSG0000014641	194.2249	-0.19144	0.609522	-0.31409
ENSG0000016729	SRP54	signal reco	ENSG0000016729	27.62216	-0.34568	1.100804	-0.31402
ENSG00000111333	PDAP1	PDGFA ass	ENSG00000111333	73.37308	0.246313	0.784431	0.314002
ENSG0000016634	SNRPD3	small nucle	ENSG0000016634	40.44957	-0.29733	0.946946	-0.31399
ENSG00000123113	CUL9	cullin 9	ENSG00000123113	27.62844	-0.34955	1.113891	-0.31381
ENSG0000017639	ZNF85	zinc finger	ENSG0000017639	4.023352	0.89365	2.848229	0.313756
ENSG00000151765	STK26	serine/thre	ENSG00000151765	4.023352	0.89365	2.848229	0.313756

ENSG00000151081	MRPS7	mitochond	ENSG00000162.64248	0.254967	0.81263	0.313756
ENSG000001100505783	OSER1-DT	OSER1 dive	ENSG0000017.873811	-0.60254	1.921597	-0.31356
ENSG00000128959	TMEM176	transmem	ENSG00000128.0863	0.367529	1.172221	0.313532
ENSG00000122839	DLGAP4	DLG associ	ENSG00000132.00398	-0.32984	1.052419	-0.31341
ENSG00000151161	C3orf18	chromosor	ENSG00000135.66076	0.312991	0.998866	0.313346
ENSG000001152195	NUDT16P1	nudix hydr	ENSG0000019.262315	0.545069	1.739663	0.313319
ENSG00000191373	UAP1L1	UDP-N-ace	ENSG0000019.262315	0.545069	1.739663	0.313319
ENSG0000010211592			ENSG00000154.85328	-1.73886	5.550355	-0.31329
ENSG000001146862	UNC45B	unc-45 my	ENSG000001294.1216	0.185214	0.59163	0.313058
ENSG00000179680	RTL10	retrotrans	ENSG00000123.24335	0.365536	1.168013	0.312956
ENSG000001644596	SMIM10L2	small integ	ENSG0000015.626336	-0.72673	2.322482	-0.31291
ENSG0000017187	TRAF3	TNF recept	ENSG00000123.35725	-0.37296	1.192285	-0.31281
ENSG0000010270188			ENSG0000013.339889	-1.03858	3.320312	-0.3128
ENSG00000155225	RAVER2	ribonucleo	ENSG00000148.29186	0.274715	0.878402	0.312744
ENSG0000019877	ZC3H11A	zinc finger	ENSG000001204.2467	-0.18555	0.593508	-0.31264
ENSG0000016427	SRSF2	serine and	ENSG00000144.65288	-0.28525	0.91268	-0.31254
ENSG00000156895	AGPAT4	1-acylglyce	ENSG0000015.548391	-0.71459	2.28767	-0.31237
ENSG000001285989	ZNF789	zinc finger	ENSG0000015.548391	-0.71459	2.28767	-0.31237
ENSG000001387763	C11orf96	chromosor	ENSG0000015.548391	-0.71459	2.28767	-0.31237
ENSG0000015902	RANBP1	RAN bindir	ENSG00000114.44596	0.442694	1.417553	0.312295
ENSG000001441518	RTL8B	retrotrans	ENSG00000110.12128	-0.53636	1.717559	-0.31228
ENSG0000019364	RAB28	RAB28, me	ENSG00000123.26597	0.361472	1.159573	0.311728
ENSG00000179364	ZXDC	ZXD family	ENSG00000131.86444	-0.32351	1.038053	-0.31165
ENSG0000010255310			ENSG0000013.155095	-0.93955	3.016806	-0.31144
ENSG000001784	CACNB3	calcium vo	ENSG0000013.155095	-0.93955	3.016806	-0.31144
ENSG0000010271147			ENSG0000013.155095	-0.93955	3.016806	-0.31144
ENSG00000155677	IWS1	IWS1, SUP	ENSG00000159.12931	0.255611	0.821011	0.311337
ENSG000001285605	DTWD2	DTW doma	ENSG00000116.75058	-0.42366	1.36083	-0.31133
ENSG00000155275	VPS53	VPS53, GAI	ENSG00000155.23909	-0.26476	0.850448	-0.31131
ENSG00000110533	ATG7	autophagy	ENSG00000126.68485	0.348115	1.118396	0.311263
ENSG0000014839	NOP2	NOP2 nucl	ENSG00000118.95908	-0.40853	1.312506	-0.31126
ENSG00000154861	SNRK	SNF relate	ENSG00000166.07392	0.252315	0.810632	0.311257
ENSG0000011004	CDH6	cadherin 6	ENSG00000110.97176	0.49896	1.603072	0.311253
ENSG00000123480	SEC61G	Sec61 tran	ENSG00000110.97176	0.49896	1.603072	0.311253
ENSG000001125150	ZSWIM7	zinc finger	ENSG00000110.97176	0.49896	1.603072	0.311253
ENSG000001665	BNIP3L	BCL2 inter	ENSG000001129.1905	-0.21191	0.68107	-0.31115
ENSG00000164110	MAGEF1	MAGE fam	ENSG00000114.54836	-0.4512	1.450513	-0.31106
ENSG0000012585	GALK2	galactokin	ENSG00000128.58916	0.335295	1.078013	0.311031
ENSG00000110081	PDCD7	programm	ENSG00000116.19437	0.420398	1.351852	0.310979
ENSG00000157209	ZNF248	zinc finger	ENSG00000126.78542	0.34147	1.098086	0.310968
ENSG0000010278934			ENSG0000017.912783	-0.60701	1.953226	-0.31077
ENSG00000165264	UBE2Z	ubiquitin c	ENSG00000165.77377	-0.24736	0.796691	-0.31049
ENSG0000017155	TOP2B	DNA topoi	ENSG000001207.9626	0.18574	0.598259	0.310467
ENSG0000015239	PGM5	phosphogl	ENSG000001176.7097	0.196232	0.632154	0.310418
ENSG00000151460	SFMBT1	Scm like wi	ENSG00000118.91383	-0.4007	1.291286	-0.31031
ENSG00000164208	POPDC3	popeye do	ENSG00000117.98176	0.400422	1.290429	0.310301
ENSG0000018733	GPAA1	glycosylph	ENSG00000117.98176	0.400422	1.290429	0.310301

ENSG00000157146	TMEM159	transmembrane	ENSG00000199.73215	-0.2231	0.719058	-0.31027
ENSG00000184881	RPUSD4	RNA pseudouridine C	ENSG00000132.04295	-0.33131	1.068111	-0.31018
ENSG0000011031	CDKN2C	cyclin dependent kinase 2C	ENSG0000019.284941	0.533456	1.720241	0.310106
ENSG0000019704	DHX34	DEXH-box family RNA helicase 34	ENSG0000019.284941	0.533456	1.720241	0.310106
ENSG0000017700	ZNF141	zinc finger protein 141	ENSG00000131.87072	-0.32677	1.053879	-0.31006
ENSG00000157158	JPH2	junctophilin 2	ENSG000001140.8262	0.19806	0.638901	0.310002
ENSG000001284613	CYB561D1	cytochrome b561D1	ENSG00000111.01073	0.496063	1.600651	0.309914
ENSG00000125805	BAMBI	BMP and activin membrane-anchored inhibitor 1	ENSG00000111.01073	0.496063	1.600651	0.309914
ENSG00000190417	KNSTRN	kinetochore-associated nuclear structural protein	ENSG00000111.01073	0.496063	1.600651	0.309914
ENSG0000018831	SYNGAP1	synaptic Ras GTPase-activating protein 1	ENSG00000116.23334	0.418224	1.350021	0.30979
ENSG00000164857	PLEKHG2	pleckstrin homology domain 2	ENSG00000131.82547	-0.32219	1.04036	-0.3097
ENSG00000190871	DMAC1	distal membrane-associated C1orf112	ENSG00000141.06817	0.295243	0.953599	0.30961
ENSG00000151372	TMA7	translation modification factor 7	ENSG0000017.559152	0.587238	1.897026	0.309557
ENSG00000164221	ROBO3	roundabout guidance receptor 3	ENSG0000017.559152	0.587238	1.897026	0.309557
ENSG0000015598	MAPK7	mitogen-activated protein kinase 7	ENSG0000017.559152	0.587238	1.897026	0.309557
ENSG000001339327	ZNF546	zinc finger protein 546	ENSG00000112.73652	0.468433	1.514229	0.309354
ENSG00000156980	PRDM10	PR/SET domain protein 10	ENSG00000110.09866	-0.52889	1.709679	-0.30935
ENSG0000016565	SLC15A2	solute carrier family 15 member 2	ENSG00000110.9881	0.505392	1.634115	0.309276
ENSG00000164792	IFT22	intraflagellar transport 22	ENSG00000110.9881	0.505392	1.634115	0.309276
ENSG00000111083	DIDO1	death inducible protein 1	ENSG00000182.57444	-0.22926	0.741379	-0.30924
ENSG0000010233178			ENSG00000112.32351	-0.48279	1.561403	-0.30921
ENSG00000122873	DZIP1	DAZ interacting protein 1	ENSG00000114.40699	0.445217	1.440722	0.309024
ENSG0000010183444			ENSG0000015.525766	-0.70122	2.269671	-0.30895
ENSG000001197358	NLRC3	NLR family CARD domain containing 3	ENSG0000015.525766	-0.70122	2.269671	-0.30895
ENSG0000017737	RNF113A	ring finger protein 113A	ENSG0000015.525766	-0.70122	2.269671	-0.30895
ENSG00000151104	ABHD17B	abhydrolase domain containing 17B	ENSG0000017.834838	-0.59826	1.937081	-0.30884
ENSG00000184942	WDR73	WD repeat domain 73	ENSG0000017.834838	-0.59826	1.937081	-0.30884
ENSG0000018738	CRADD	CASP2 and RIPK1 domain containing 1	ENSG00000125.07598	0.347288	1.124503	0.308837
ENSG00000155661	DDX27	DEAD-box protein 27	ENSG00000118.98171	-0.41223	1.334886	-0.30881
ENSG000001202018	TAPT1	transmembrane protein 1	ENSG00000138.20837	-0.29905	0.968444	-0.30879
ENSG00000151439	FAM8A1	family with sequence similarity 8A member 1	ENSG00000155.33705	0.264734	0.857504	0.308726
ENSG0000014681	NBL1	NBL1, DAN domain containing 1	ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG00000155732	C1orf112	chromosome 1 open reading frame 112	ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG00000122235	FBXL13	F-box and leucine-rich repeat protein 13	ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG000001105755954	ADGRD1-A	ADGRD1 family class A member 1	ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG0000010263013			ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG0000010261502			ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG0000010279275			ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG00000156848	SPHK2	sphingosine kinase 2	ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG0000010236526			ENSG0000013.116123	-0.92973	3.01216	-0.30866
ENSG0000015095	PCCA	propionyl-CoA carboxylase subunit alpha	ENSG00000153.76715	0.2603	0.843503	0.308595
ENSG00000129761	USP25	ubiquitin specific protease 25	ENSG000001113.5202	0.208573	0.67593	0.308572
ENSG000001131076	CCDC58	coiled-coil domain containing 58	ENSG0000017.598125	0.583447	1.891179	0.30851
ENSG000001123688	HYKK	hydroxylysine oxidase	ENSG0000017.598125	0.583447	1.891179	0.30851
ENSG0000012186	BPTF	bromodomain containing protein 1	ENSG000001243.6929	-0.17732	0.574916	-0.30842
ENSG00000157110	HRASLS	HRAS like sequence	ENSG0000014.247119	0.775392	2.514339	0.308388
ENSG00000181786	TRIM7	tripartite motif domain containing 7	ENSG0000014.247119	0.775392	2.514339	0.308388

ENSG000001476	CSTB	cystatin B	ENSG00000121.09343	-0.3808	1.235657	-0.30818
ENSG000001345778	MTX3	metaxin 3	ENSG00000138.22472	-0.29826	0.968227	-0.30805
ENSG0000017702	ZNF143	zinc finger	ENSG00000127.86476	-0.36993	1.200929	-0.30803
ENSG0000017756	ZNF207	zinc finger	ENSG000001126.5546	-0.20288	0.66038	-0.30722
ENSG00000110921	RNPS1	RNA binding	ENSG00000142.98503	0.282619	0.920513	0.307024
ENSG00000154623	PAF1	PAF1 homolog	ENSG00000141.18129	0.284745	0.92822	0.306765
ENSG00000157092	PCNP	PEST protein	ENSG00000193.649	0.217594	0.709668	0.306614
ENSG000001100506688	LOC100506688	uncharacterized	ENSG00000114.56471	-0.44853	1.463768	-0.30642
ENSG00000155072	RNF31	ring finger	ENSG00000114.50756	0.43334	1.414282	0.306403
ENSG0000013340	NDST1	N-deacetylase	ENSG000001101.4214	-0.21585	0.704864	-0.30624
ENSG0000012017	CTTN	cortactin	ENSG000001153.7605	-0.19307	0.630597	-0.30617
ENSG000001978	CDA	cytidine deaminase	ENSG0000014.269744	0.746846	2.440807	0.305983
ENSG00000164852	TUT1	terminal uridine	ENSG0000014.269744	0.746846	2.440807	0.305983
ENSG000001782	CACNB1	calcium voltage	ENSG0000014.269744	0.746846	2.440807	0.305983
ENSG0000018833	GMPS	guanine monophosphate	ENSG00000144.585	-0.28037	0.916421	-0.30594
ENSG00000154996	MARC2	mitochondrial	ENSG00000116.68898	-0.41691	1.362767	-0.30593
ENSG00000180179	MYO19	myosin XIX	ENSG00000118.87486	-0.39865	1.303329	-0.30587
ENSG0000011978	EIF4EBP1	eukaryotic	ENSG00000116.25597	0.412083	1.347729	0.305761
ENSG00000183877	TM2D2	TM2 domain	ENSG00000119.7528	0.380879	1.245685	0.305759
ENSG00000125900	IFFO1	intermediate	ENSG00000117.90381	0.404719	1.323903	0.305701
ENSG00000192979	MARCH9	membrane	ENSG0000017.812213	-0.58865	1.925823	-0.30566
ENSG0000017185	TRAF1	TNF receptor	ENSG0000015.933934	0.642745	2.105489	0.305271
ENSG000001126326	GIPC3	GIPC PDZ domain	ENSG0000015.933934	0.642745	2.105489	0.305271
ENSG00000110955	SERINC3	serine incorporation	ENSG000001224.7189	-0.17848	0.584891	-0.30515
ENSG00000163908	NAPB	NSF attachment	ENSG00000118.85224	-0.39468	1.294197	-0.30496
ENSG000001440567	UQCRHL	ubiquinol-cytochrome	ENSG00000111.03335	0.486519	1.595563	0.30492
ENSG00000110009363C	SNHG8	small nucleolar	ENSG00000111.03335	0.486519	1.595563	0.30492
ENSG00000155854	ZC3H15	zinc finger	ENSG00000146.61133	0.270661	0.887703	0.304901
ENSG0000019663	LPIN2	lipin 2	ENSG00000135.85183	0.298139	0.977946	0.304863
ENSG0000018427	ZNF282	zinc finger	ENSG00000114.48676	-0.44347	1.455168	-0.30475
ENSG000001137964	GPAT4	glycerol-3-phosphate	ENSG00000142.38905	-0.28441	0.933426	-0.3047
ENSG0000010256274			ENSG0000012.543956	1.043255	3.424643	0.304632
ENSG00000179785	RERGL	RERG like	ENSG0000012.543956	1.043255	3.424643	0.304632
ENSG0000010279330			ENSG0000012.543956	1.043255	3.424643	0.304632
ENSG00000155009	C19orf24	chromosome	ENSG0000012.543956	1.043255	3.424643	0.304632
ENSG000001340533	NEXMIF	neurite extension	ENSG0000012.543956	1.043255	3.424643	0.304632
ENSG0000017552	ZNF711	zinc finger	ENSG0000012.543956	1.043255	3.424643	0.304632
ENSG000001102157402	AK6	adenylate kinase	ENSG0000017.851185	-0.59303	1.946854	-0.30461
ENSG00000157143	ADCK1	aarF domain	ENSG00000112.30088	-0.4766	1.565301	-0.30448
ENSG000001653160	LOC653160	uncharacterized	ENSG0000012.667151	0.921264	3.027802	0.304268
ENSG000001677834	SNORA55	small nucleolar	ENSG0000012.667151	0.921264	3.027802	0.304268
ENSG000001100506054	RNASEH1-1	RNASEH1 alternative	ENSG0000012.667151	0.921264	3.027802	0.304268
ENSG0000010200488			ENSG0000012.667151	0.921264	3.027802	0.304268
ENSG0000011238	ACKR2	atypical chemokine	ENSG0000012.667151	0.921264	3.027802	0.304268
ENSG000001729178	STXBP5-AS	STXBP5 antisense	ENSG0000012.667151	0.921264	3.027802	0.304268
ENSG000001136895	C7orf31	chromosome	ENSG0000012.667151	0.921264	3.027802	0.304268
ENSG000001100289388	KCTD21-AS	KCTD21 antisense	ENSG0000012.667151	0.921264	3.027802	0.304268



ENSG000001265625			ENSG0000012667151	0.921264	3.027802	0.304268
ENSG000001125336	LOXHD1	lipoxigenase	ENSG0000012667151	0.921264	3.027802	0.304268
ENSG000001148046	CIRBP-AS1	CIRBP antisense	ENSG0000012667151	0.921264	3.027802	0.304268
ENSG000001269044			ENSG0000012667151	0.921264	3.027802	0.304268
ENSG000001148213	ZNF681	zinc finger	ENSG0000012667151	0.921264	3.027802	0.304268
ENSG0000011628	DBP	D-box binding	ENSG0000012667151	0.921264	3.027802	0.304268
ENSG000001414919	C8orf82	chromosome 8	ENSG000001105969	-0.52541	1.72798	-0.30406
ENSG00000157647	DHX37	DEAH-box	ENSG000001105969	-0.52541	1.72798	-0.30406
ENSG000001147166	TRIM16L	tripartite repeat	ENSG0000011268682	-0.52972	1.742593	-0.30398
ENSG0000019049	AIP	aryl hydrocarbon	ENSG0000012335019	0.351657	1.157075	0.303919
ENSG0000017957	EPM2A	EPM2A, large	ENSG0000013812415	-0.29406	0.967679	-0.30388
ENSG00000156270	WDR45B	WD repeat	ENSG0000014662506	-0.27284	0.897988	-0.30384
ENSG00000111011	TLK2	tousled like	ENSG0000015566138	0.253259	0.834847	0.303359
ENSG0000019421	HAND1	heart and neural	ENSG0000019323913	0.529999	1.747139	0.303353
ENSG0000014548	MTR	5-methyltetrahydro	ENSG000001203803	-0.18073	0.595952	-0.30327
ENSG00000129066	ZC3H7A	zinc finger	ENSG0000015714967	-0.25338	0.835934	-0.30311
ENSG00000110450	PPIE	peptidylprolyl	ENSG00000116217	0.414381	1.367515	0.303018
ENSG00000184708	LNX1	ligand of neuropilin	ENSG00000116217	0.414381	1.367515	0.303018
ENSG00000123322	RPGRIP1L	RPGRIP1 like	ENSG0000011007603	-0.52136	1.720793	-0.30298
ENSG00000157542	KLHL42	kelch like family	ENSG0000012536461	-0.35389	1.169682	-0.30255
ENSG0000019711	RUBCN	RUN and cytochrome	ENSG0000016105244	0.246118	0.813644	0.302489
ENSG000001147495	APCDD1	APC down-regulated	ENSG0000013185816	-0.32027	1.05883	-0.30247
ENSG0000014719	NDUFS1	NADH:ubiquinone	ENSG0000016532697	0.164412	0.543727	0.302379
ENSG0000011674	DES	desmin	ENSG0000018474803	0.159525	0.52774	0.30228
ENSG0000012549	GAB1	GRB2 associated	ENSG0000011286462	-0.20286	0.671137	-0.30226
ENSG000001118813	ZFYVE27	zinc finger	ENSG0000011454653	0.430924	1.425726	0.302249
ENSG000001146198	ZFP90	ZFP90 zinc finger	ENSG0000012160178	0.361103	1.194827	0.302222
ENSG00000185013	TMEM128	transmembrane	ENSG000001762075	0.568867	1.882798	0.302139
ENSG000001283547	LINC00639	long intergenic	ENSG000001762075	0.568867	1.882798	0.302139
ENSG00000151605	TRMT6	tRNA methyltransferase	ENSG0000011003706	-0.51792	1.714282	-0.30212
ENSG00000157587	CFAP97	cilia and flagellum	ENSG0000014029368	-0.29285	0.969312	-0.30212
ENSG00000184632	AFAP1L2	actin filament	ENSG0000019346538	0.518655	1.716953	0.302079
ENSG00000155272	IMP3	IMP3, U3 small	ENSG0000019346538	0.518655	1.716953	0.302079
ENSG00000180224	NUBPL	nucleotide binding	ENSG0000012852128	0.344241	1.139625	0.302066
ENSG00000155303	GIMAP4	GTPase, IV	ENSG0000016114674	0.244972	0.811227	0.301977
ENSG00000127043	PELP1	proline, glutamine	ENSG0000012751531	-0.3361	1.11357	-0.30182
ENSG00000179903	NAA60	N(alpha)-acetyl	ENSG0000012117138	-0.38485	1.275331	-0.30176
ENSG0000018896	BUD31	BUD31 homolog	ENSG0000011107233	0.483604	1.603094	0.301669
ENSG000001285440	CYP4V2	cytochrome	ENSG0000014663395	0.268833	0.891162	0.301666
ENSG0000018874	ARHGEF7	Rho guanine nucleotide	ENSG0000018036215	-0.22991	0.762201	-0.30164
ENSG00000154464	XRN1	5'-3' exonuclease	ENSG0000011445656	0.194185	0.643939	0.301558
ENSG00000155669	MFN1	mitofusin 1	ENSG0000018110211	0.222833	0.739246	0.301432
ENSG0000013454	IFNAR1	interferon	ENSG0000018445233	-0.22285	0.739399	-0.3014
ENSG0000015394	EXOSC10	exosome component	ENSG0000013207591	0.318852	1.058038	0.301361
ENSG0000015150	PDE7A	phosphodiesterase	ENSG0000011284088	0.196717	0.652872	0.30131
ENSG00000127072	VPS41	VPS41, HOPS	ENSG0000016116936	0.243632	0.808607	0.301298
ENSG0000014141	MARS	methionyl-tRNA	ENSG0000015754934	0.248709	0.825478	0.301291

ENSG000001642	DDB1	damage sp	ENSG000001201.4901	-0.1793	0.595501	-0.30109
ENSG000001653635	WASH7P	WAS prote	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100272153			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100233478			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100222112			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG000001105378744	LINC01767	long interg	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG000001022854	NTNG1	netrin G1	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100201900			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100236327			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100276359			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010149281	METTL11B	methyltrar	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100228686			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010725	C4BPB	compleme	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010574036	SERTAD4-A	SERTAD4 a	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000103776	KCNK2	potassium	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010285016	ALKAL2	ALK and LT	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010104326052	NRIR	negative re	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010400946	LINC00954	long interg	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG000001064838	FNDC4	fibronectin	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000107498	XDH	xanthine d	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100235937			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010100874334	TCF7L1-IT1	TCF7L1 intr	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100239855			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100143429			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010101929680	SCN1A-AS1	SCN1A and	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100228509			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000109942	XYLB	xylulokinas	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100241535			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010151827	LRRC34	leucine ric	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100249995			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100242262			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100269506			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100251399			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100251126			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG000001057575	PCDH10	protocadhe	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010303	ANXA2P1	annexin A2	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100251596			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100251171			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100251476			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100279985			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100272406			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100248350			ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010101927934	LINC01843	long interg	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000109782	MATR3	matrin 3	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG0000010100505636	MALINC1	mitosis ass	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000103135	HLA-G	major histc	ENSG0000010.829676	-1.80538	5.997782	-0.30101
ENSG00000100217653			ENSG0000010.829676	-1.80538	5.997782	-0.30101

ENSG000001285740	PHACTR2-1	PHACTR2 a	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010227719			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG000001084820	POLR2J4	RNA polym	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010677796	SNORA5C	small nucle	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010105375355	UPK3B	uroplakin 3	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010100505767	SPDYE18	speedy/RI	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010613126	CYP51A1-A	CYP51A1 a	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010273055			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010205879			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010254002			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010254025			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010271113			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010243601			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG000001084933	C8orf76	chromosom	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010254388			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010101927588	LOC101927	uncharacter	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010281855			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG00000104796	TONSL	tonsoku lik	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010231808			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010227383			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010105376168	LOC105376	uncharacter	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010228487			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010233021			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010220979	C10orf25	chromosom	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010340745	LRIT2	leucine ric	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010203876			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010181017			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010101928053	LOC101928	uncharacter	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010248990			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010254672			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG000001085016	CFAP300	cilia and fla	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010100506742	CASP12	caspase 12	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010274303			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010247853			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010243141			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG00000102904	GRIN2B	glutamate	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG000001085478	CCDC65	coiled-coil	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010257146			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010258302			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010277283			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010223576			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010228036			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010643866	CBLN3	cerebellin 3	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG000001010538	BATF	basic leucic	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010145497	LRRC74A	leucine ric	ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010222990			ENSG0000010829676	-1.80538	5.997782	-0.30101
ENSG0000010278396			ENSG0000010829676	-1.80538	5.997782	-0.30101

ENSG000001	ENSG00000211935		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000282651		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000211945		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000213862		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000261544		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000105370888	TMEM202- TMEM202	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000244056		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000259314		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000279645		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000280291		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG000001388182	SPATA41 spermatog	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000185710		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000112755	STX1B syntaxin 1E	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG0000012303	FOXC2 forkhead b	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG000001283860	LINC00304 long interg	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000263345		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG000001643664	SLC35G6 solute carr	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000100996842	LOC100996 uncharacte	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000264727		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG0000016357	CCL13 C-C motif c	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000275839		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000278963		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000267733		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG0000011149	CIDEA cell death i	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG000001374864	CCDC178 coiled-coil	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000267585		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000181616	ACSBG2 acyl-CoA sy	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000269680		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000268081		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000268555		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000269431		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG000001284348	LYPD5 LY6/PLAUR	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000126129	CPT1C carnitine p	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG000001259307	IL4I1 interleukin	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000260160		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000151378	ANGPT4 angiopoiet	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000277425		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG000001284805	C20orf203 chromosor	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000275223		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000101927117	PLCG1-AS1 PLCG1 anti	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG0000017022	TFAP2C transcriptic	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000231201		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000101927973	LINC01695 long interg	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG0000017033	TFF3 trefoil fact	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG000001875	CBS cystathioni	ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000211673		ENSG000001	0.829676	-1.80538	5.997782	-0.30101
ENSG000001	ENSG00000129774	POM121L9 POM121 tr	ENSG000001	0.829676	-1.80538	5.997782	-0.30101

ENSG000001213707			ENSG000001213707	0.829676	-1.80538	5.997782	-0.30101
ENSG0000012847	MCHR1	melanin co	ENSG0000012847	0.829676	-1.80538	5.997782	-0.30101
ENSG000001150353	DNAJB7	DnaJ heat s	ENSG000001150353	0.829676	-1.80538	5.997782	-0.30101
ENSG000001273253			ENSG000001273253	0.829676	-1.80538	5.997782	-0.30101
ENSG000001693122	MIR421	microRNA	ENSG000001693122	0.829676	-1.80538	5.997782	-0.30101
ENSG0000016780	STAU1	staufen do	ENSG0000016780	124.2292	-0.20007	0.665032	-0.30085
ENSG0000014638	MYLK	myosin lig	ENSG0000014638	52.06399	0.257888	0.857371	0.30079
ENSG00000126133	TRPC4AP	transient r	ENSG00000126133	62.96303	0.240816	0.800973	0.300654
ENSG000001662	BNIP1	BCL2 inter	ENSG000001662	5.894962	0.647521	2.154278	0.300574
ENSG00000155319	TMA16	translation	ENSG00000155319	9.307566	0.522001	1.736925	0.300531
ENSG000001228108			ENSG000001228108	3.093498	-0.90627	3.016349	-0.30045
ENSG000001279456			ENSG000001279456	3.093498	-0.90627	3.016349	-0.30045
ENSG000001215302			ENSG000001215302	3.093498	-0.90627	3.016349	-0.30045
ENSG00000155711	FAR2	fatty acyl-C	ENSG00000155711	19.85337	0.372225	1.238899	0.300448
ENSG000001490	ATP2B1	ATPase pla	ENSG000001490	41.26551	0.279415	0.930093	0.300417
ENSG00000184864	RIOX2	ribosomal	ENSG00000184864	16.62739	-0.41012	1.36548	-0.30035
ENSG0000018697	CDC23	cell divisio	ENSG0000018697	30.54499	0.313356	1.045168	0.299814
ENSG0000012071	ERCC3	ERCC excis	ENSG0000012071	30.52864	0.31175	1.04016	0.299714
ENSG000001168537	GIMAP7	GTPase, IV	ENSG000001168537	29.79797	-0.34328	1.145975	-0.29955
ENSG000001153241	CEP120	centrosom	ENSG000001153241	35.92192	-0.29691	0.991593	-0.29942
ENSG00000126040	SETBP1	SET bindin	ENSG00000126040	38.2599	-0.30508	1.018996	-0.29939
ENSG0000014708	NDUFB2	NADH:ubic	ENSG0000014708	72.00053	0.233993	0.781769	0.299312
ENSG00000123456	ABCB10	ATP bindin	ENSG00000123456	23.37282	0.347623	1.161811	0.299207
ENSG00000179629	OCEL1	occludin/E	ENSG00000179629	5.50314	-0.68771	2.298765	-0.29917
ENSG00000165003	MRPL11	mitochond	ENSG00000165003	18.08233	0.390811	1.30721	0.298966
ENSG00000155715	DOK4	docking pr	ENSG00000155715	5.464168	-0.68177	2.280451	-0.29896
ENSG000001339230	CCDC137	coiled-coil	ENSG000001339230	5.464168	-0.68177	2.280451	-0.29896
ENSG0000018525	DGKZ	diacylglyce	ENSG0000018525	61.18571	0.24412	0.816562	0.298961
ENSG0000016832	SUPV3L1	Suv3 like R	ENSG0000016832	27.55428	-0.33773	1.129753	-0.29894
ENSG00000125836	NIPBL	NIPBL, coh	ENSG00000125836	163.8149	-0.18574	0.621351	-0.29893
ENSG00000110048	RANBP9	RAN bindir	ENSG00000110048	37.70709	0.286975	0.960459	0.298789
ENSG000001219927	MRPL21	mitochond	ENSG000001219927	21.64075	0.359307	1.203098	0.298652
ENSG00000184274	COQ5	coenzyme	ENSG00000184274	23.312	-0.36686	1.22864	-0.29859
ENSG0000015071	PRKN	parkin RBR	ENSG0000015071	27.45371	-0.33187	1.111661	-0.29853
ENSG0000015238	PGM3	phosphogl	ENSG0000015238	26.93124	0.328117	1.09937	0.298459
ENSG000001131118	DNAJC19	DnaJ heat s	ENSG000001131118	37.74606	0.285803	0.957838	0.298384
ENSG00000184622	ZNF594	zinc finger	ENSG00000184622	18.02701	0.38963	1.306079	0.29832
ENSG00000155757	UGGT2	UDP-glucos	ENSG00000155757	33.83662	-0.30392	1.019592	-0.29808
ENSG0000011373	CPS1	carbamoyl	ENSG0000011373	7.789588	-0.57896	1.942699	-0.29802
ENSG00000155808	ST6GALNA	ST6 N-acet	ENSG00000155808	7.789588	-0.57896	1.942699	-0.29802
ENSG0000017975	MAFK	MAF bZIP t	ENSG0000017975	27.37577	-0.32888	1.10362	-0.298
ENSG00000123411	SIRT1	sirtuin 1	ENSG00000123411	28.78023	0.316403	1.063865	0.297409
ENSG000001280287			ENSG000001280287	7.750615	-0.57463	1.932437	-0.29736
ENSG00000193436	ARMC6	armadillo r	ENSG00000193436	7.750615	-0.57463	1.932437	-0.29736
ENSG00000154507	ADAMTSL4	ADAMTS lil	ENSG00000154507	34.14866	0.296121	0.996122	0.297274
ENSG0000016745	SSR1	signal sequ	ENSG0000016745	111.9238	0.2043	0.687452	0.297184
ENSG00000128958	COA3	cytochrom	ENSG00000128958	21.66338	0.354925	1.194328	0.297176

ENSG0000011264	PXMP4	peroxisom	ENSG0000011264	12.27826	-0.47049	1.583922	-0.29704
ENSG00000199870	FAM76A	family with	ENSG00000199870	25.2218	0.33295	1.12138	0.29691
ENSG00000144348	ZNF664	zinc finger	ENSG00000144348	147.0142	-0.18882	0.636342	-0.29673
ENSG000001403	ARL3	ADP ribosy	ENSG000001403	10.01444	-0.51031	1.719868	-0.29672
ENSG00000151124	IER3IP1	immediate	ENSG00000151124	14.44151	-0.43294	1.459246	-0.29669
ENSG0000016633	SNRPD2	small nucle	ENSG0000016633	35.95868	0.289476	0.976776	0.296358
ENSG0000019640	ZNF592	zinc finger	ENSG0000019640	73.80452	-0.22755	0.768149	-0.29623
ENSG00000122906	TRAK1	trafficking	ENSG00000122906	309.5121	-0.19116	0.645352	-0.29621
ENSG00000110269	ZMPSTE24	zinc metall	ENSG00000110269	48.56716	0.259446	0.876195	0.296105
ENSG0000010272335			ENSG0000010272335	14.40254	-0.43042	1.454005	-0.29602
ENSG00000110329	RXYLT1	ribitol xylo	ENSG00000110329	14.40254	-0.43042	1.454005	-0.29602
ENSG00000164748	PLPPR2	phospholip	ENSG00000164748	12.22294	-0.47069	1.591305	-0.29579
ENSG0000016884	TAF13	TATA-box b	ENSG0000016884	19.89234	0.37026	1.252691	0.295572
ENSG00000123092	ARHGAP26	Rho GTPase	ENSG00000123092	166.8402	0.182918	0.618919	0.295544
ENSG000001203523	ZNF449	zinc finger	ENSG000001203523	18.12758	0.380109	1.286164	0.295537
ENSG000001192669	AGO3	argonaute	ENSG000001192669	75.93887	-0.22545	0.762838	-0.29554
ENSG0000014086	SMAD1	SMAD fam	ENSG0000014086	12.20031	-0.4646	1.572073	-0.29553
ENSG00000160626	RIC8A	RIC8 guani	ENSG00000160626	46.51821	-0.26721	0.904162	-0.29553
ENSG0000014696	NDUFA3	NADH:ubiq	ENSG0000014696	41.40506	0.274011	0.927986	0.295275
ENSG0000010232559			ENSG0000010232559	7.795865	-0.59322	2.009444	-0.29522
ENSG00000181932	HDHD3	haloacid de	ENSG00000181932	7.795865	-0.59322	2.009444	-0.29522
ENSG0000014358	MPV17	mitochond	ENSG0000014358	29.49377	-0.3163	1.071794	-0.29511
ENSG00000155421	NCBP3	nuclear cap	ENSG00000155421	59.38825	0.242787	0.823069	0.294977
ENSG00000164412	GZF1	GDNF indu	ENSG00000164412	33.73605	-0.2992	1.014549	-0.29491
ENSG00000154942	FAM206A	family with	ENSG00000154942	14.60813	0.421567	1.430064	0.294789
ENSG0000019124	PDLIM1	PDZ and LIM	ENSG0000019124	164.8529	0.187367	0.635644	0.294767
ENSG00000155766	H2AFJ	H2A histon	ENSG00000155766	14.59178	0.417153	1.415675	0.294667
ENSG0000019509	ADAMTS2	ADAM met	ENSG0000019509	19.83702	0.369322	1.253604	0.294609
ENSG000001144110	TMEM86A	transmembr	ENSG000001144110	9.975464	-0.50687	1.720583	-0.29459
ENSG00000180067	DCAF17	DDB1 and C	ENSG00000180067	16.37917	0.395597	1.343054	0.29455
ENSG00000111316	COPE	coatome	ENSG00000111316	16.37917	0.395597	1.343054	0.29455
ENSG000001389362	PSMG4	proteasom	ENSG000001389362	9.369164	0.507253	1.723019	0.294397
ENSG00000110940	POP1	POP1 hom	ENSG00000110940	9.369164	0.507253	1.723019	0.294397
ENSG00000154998	AURKAIP1	aurora kin	ENSG00000154998	30.62921	0.306044	1.039848	0.294316
ENSG0000014802	NFYC	nuclear tra	ENSG0000014802	35.8377	-0.29159	0.990776	-0.2943
ENSG00000154622	ARL15	ADP ribosy	ENSG00000154622	16.34019	0.397786	1.352122	0.294194
ENSG00000195681	CEP41	centrosom	ENSG00000195681	5.995532	0.619002	2.104843	0.294085
ENSG00000184304	NUDT22	nudix hydr	ENSG00000184304	5.995532	0.619002	2.104843	0.294085
ENSG000001726	CAPN5	calpain 5	ENSG000001726	5.995532	0.619002	2.104843	0.294085
ENSG00000160673	ATG101	autophagy	ENSG00000160673	5.995532	0.619002	2.104843	0.294085
ENSG00000125870	SUMF2	sulfatase r	ENSG00000125870	29.4548	-0.3149	1.070861	-0.29407
ENSG0000012868	GRK4	G protein-c	ENSG0000012868	7.682348	0.550746	1.873242	0.294007
ENSG00000126046	LTN1	listerin E3	ENSG00000126046	80.05795	-0.22012	0.748817	-0.29396
ENSG0000010260977			ENSG0000010260977	4.331342	0.713261	2.427441	0.293832
ENSG00000156938	ARNTL2	aryl hydroc	ENSG00000156938	4.331342	0.713261	2.427441	0.293832
ENSG000001284385	ZNF561-AS	ZNF561 an	ENSG000001284385	4.331342	0.713261	2.427441	0.293832
ENSG00000156915	EXOSC5	exosome c	ENSG00000156915	4.331342	0.713261	2.427441	0.293832

ENSG00000150290	DUSP18	dual specif	ENSG0000014331342	0.713261	2.427441	0.293832
ENSG00000179800	CARF	calcium re	ENSG00000118.72904	-0.38257	1.302049	-0.29382
ENSG00000151691	LSM8	LSM8 hom	ENSG00000118.72904	-0.38257	1.302049	-0.29382
ENSG00000111056	DDX52	DExD-box	ENSG00000118.72904	-0.38257	1.302049	-0.29382
ENSG0000015910	RAP1GDS1	Rap1 GTPa	ENSG00000118.75166	-0.38651	1.315779	-0.29375
ENSG00000183856	FSD1L	fibronectin	ENSG00000114.48048	-0.43566	1.483855	-0.2936
ENSG000001163259	DENND2C	DENN dom	ENSG0000019.408136	0.503976	1.716578	0.293593
ENSG0000017159	TP53BP2	tumor prot	ENSG00000143.15975	0.269508	0.918807	0.293323
ENSG0000013276	PRMT1	protein arg	ENSG00000134.17129	0.29352	1.000949	0.293241
ENSG00000110626	TRIM16	tripartite n	ENSG00000110.05341	-0.51404	1.75313	-0.29321
ENSG00000155246	CCDC25	coiled-coil	ENSG00000136.02027	0.285795	0.975484	0.292977
ENSG00000155744	COA1	cytochrom	ENSG00000157.71779	0.24123	0.823432	0.292957
ENSG0000011362	CPD	carboxype	ENSG000001136.6543	-0.19427	0.663164	-0.29294
ENSG0000019628	RGS6	regulator c	ENSG00000129.73388	-0.32886	1.122807	-0.29289
ENSG00000165094	JMJD4	jumonji do	ENSG0000013.054525	-0.89622	3.061651	-0.29272
ENSG0000010251348			ENSG0000013.054525	-0.89622	3.061651	-0.29272
ENSG00000123625	FAM89B	family with	ENSG0000013.054525	-0.89622	3.061651	-0.29272
ENSG00000154733	SLC35F2	solute carr	ENSG0000013.054525	-0.89622	3.061651	-0.29272
ENSG000001440073	IQSEC3	IQ motif ar	ENSG0000013.054525	-0.89622	3.061651	-0.29272
ENSG000001755	CFAP410	cilia and fl	ENSG0000013.054525	-0.89622	3.061651	-0.29272
ENSG00000123137	SMC5	structural r	ENSG00000156.91963	-0.24462	0.835826	-0.29267
ENSG00000155717	WDR11	WD repeat	ENSG00000142.15901	-0.27262	0.931682	-0.29261
ENSG00000179979	TRMT2B	tRNA meth	ENSG00000130.51229	0.310279	1.060462	0.292589
ENSG000001753	LDLRAD4	low density	ENSG00000157.03654	-0.24717	0.844767	-0.29259
ENSG00000127173	SLC39A1	solute carr	ENSG00000161.19081	-0.24285	0.830244	-0.29251
ENSG00000194103	ORMDL3	ORMDL spl	ENSG00000137.99468	-0.28518	0.975036	-0.29248
ENSG0000015718	PSMD12	proteasom	ENSG00000163.29625	-0.23721	0.811822	-0.2922
ENSG00000122879	MON1B	MON1 hon	ENSG00000118.70641	-0.37852	1.295947	-0.29208
ENSG00000123186	RCOR1	REST corep	ENSG00000141.44403	0.272879	0.934993	0.291852
ENSG00000151596	CUTA	cutA divale	ENSG00000123.07817	-0.356	1.219915	-0.29182
ENSG00000156926	NCLN	nicalin	ENSG00000114.5855	0.428026	1.467139	0.291742
ENSG00000129914	UBIAD1	UbiA preny	ENSG00000116.54316	-0.39868	1.367103	-0.29163
ENSG00000123070	CMTR1	cap methyl	ENSG00000157.75676	0.240372	0.824326	0.291598
ENSG00000150813	COPS7A	COP9 sign	ENSG00000141.46666	0.270808	0.928749	0.291584
ENSG00000129894	CPSF1	cleavage al	ENSG00000114.36356	-0.42785	1.467613	-0.29153
ENSG000001130026	ICA1L	islet cell au	ENSG00000114.37991	-0.4251	1.458384	-0.29149
ENSG000001501	ALDH7A1	aldehyde d	ENSG00000131.71234	-0.31064	1.065974	-0.29142
ENSG0000011509	CTSD	cathepsin	ENSG00000171.87511	-0.23193	0.79654	-0.29117
ENSG00000184300	UQCC2	ubiquinol- $\alpha$	ENSG00000143.26032	0.265362	0.911571	0.291104
ENSG00000190637	ZFAND2A	zinc finger	ENSG0000015.441543	-0.66796	2.295344	-0.29101
ENSG000001400242	DICER1-AS	DICER1 ant	ENSG0000015.441543	-0.66796	2.295344	-0.29101
ENSG00000154993	ZSCAN2	zinc finger	ENSG0000015.441543	-0.66796	2.295344	-0.29101
ENSG0000015892	RAD51D	RAD51 par	ENSG0000015.441543	-0.66796	2.295344	-0.29101
ENSG0000018454	CUL1	cullin 1	ENSG00000171.59602	-0.22564	0.775374	-0.291
ENSG00000151281	ANKMY1	ankyrin re	ENSG0000017.72799	-0.56479	1.941095	-0.29097
ENSG0000010214189			ENSG0000017.72799	-0.56479	1.941095	-0.29097
ENSG0000019306	SOCS6	suppressor	ENSG00000138.03365	-0.28639	0.984445	-0.29091

ENSG00000122948	CCT5	chaperonin	ENSG00000175.86315	0.220489	0.758044	0.290866
ENSG00000110295	BCKDK	branched chain aminotransferase	ENSG00000135.89302	-0.29198	1.004062	-0.2908
ENSG000001285672	SREK1IP1	SREK1 interacting protein	ENSG00000127.09341	0.316764	1.089916	0.290632
ENSG00000157585	CRAMP1	cramped cluster of differentiation 1	ENSG0000019.952839	-0.49919	1.720572	-0.29013
ENSG0000018678	BECN1	beclin 1	ENSG00000150.57569	-0.25301	0.872319	-0.29005
ENSG00000157665	RDH14	retinol dehydrogenase 14	ENSG00000114.34094	-0.42258	1.457355	-0.28996
ENSG00000160561	RINT1	RAD50 interacting protein 1	ENSG00000114.34094	-0.42258	1.457355	-0.28996
ENSG0000017991	TUSC3	tumor suppressor 3	ENSG00000146.91932	0.256501	0.884867	0.289876
ENSG00000157062	DDX24	DEAD-box protein 24	ENSG000001205.0196	-0.17182	0.593073	-0.28971
ENSG00000154968	TMEM70	transmembrane protein 70	ENSG00000112.90496	0.431297	1.488847	0.289685
ENSG00000155270	NUDT15	nudix hydrolase 15	ENSG00000112.90496	0.431297	1.488847	0.289685
ENSG000001134553	C5orf24	chromosome 5 open reading frame 24	ENSG00000148.44134	-0.2577	0.889982	-0.28955
ENSG00000155182	RNF220	ring finger protein 220	ENSG00000136.08187	0.282124	0.974507	0.289504
ENSG000001129285	PPP1R21	protein phosphatase 1 regulatory subunit 21	ENSG00000116.40179	0.389581	1.346392	0.289352
ENSG000001102723167	MIR133A1	MIR133A1	ENSG00000129.51012	-0.31526	1.089903	-0.28926
ENSG00000180196	RNF34	ring finger protein 34	ENSG00000125.13457	-0.33444	1.15724	-0.289
ENSG00000156288	PARD3	par-3 family domain containing 3	ENSG00000190.3588	-0.20939	0.724649	-0.28895
ENSG000001401320	GARS-DT	GARS divergent	ENSG00000148.43507	-0.25566	0.885242	-0.2888
ENSG0000017841	MOGS	mannosyl-glyoxylase	ENSG00000125.11195	-0.3315	1.147917	-0.28879
ENSG00000154407	SLC38A2	solute carrier family 38 member 2	ENSG000001285.4821	-0.17401	0.602683	-0.28873
ENSG00000123024	PDZRN3	PDZ domain containing 3	ENSG000001123.7628	-0.19147	0.663158	-0.28873
ENSG00000180262	C16orf70	chromosome 16 open reading frame 70	ENSG00000116.50419	-0.39644	1.37333	-0.28867
ENSG000001401105	FLJ42393	uncharacterized protein	ENSG0000017.689017	-0.56047	1.941589	-0.28867
ENSG0000010261087			ENSG0000017.689017	-0.56047	1.941589	-0.28867
ENSG00000157639	CCDC146	coiled-coil domain containing 146	ENSG00000118.1213	0.388265	1.345271	0.288615
ENSG00000123612	PHLDA3	pleckstrin homology domain containing 3	ENSG0000015.40257	-0.66204	2.295137	-0.28845
ENSG0000015010	CLDN11	claudin 11	ENSG0000015.40257	-0.66204	2.295137	-0.28845
ENSG0000011820	ARID3A	AT-rich interaction domain 3A	ENSG0000015.40257	-0.66204	2.295137	-0.28845
ENSG0000017561	ZNF14	zinc finger protein 14	ENSG0000015.40257	-0.66204	2.295137	-0.28845
ENSG000001374928	ZNF773	zinc finger protein 773	ENSG0000015.40257	-0.66204	2.295137	-0.28845
ENSG00000110663	CXCR6	C-X-C motif containing 6	ENSG00000112.13872	-0.45541	1.579423	-0.28834
ENSG0000015879	RAC1	Rac family small GTPase 1	ENSG000001138.007	0.186345	0.646635	0.288176
ENSG000001134	ADORA1	adenosine deaminase 1	ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG0000010233012			ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG0000018341	HIST1H2BM	histone cluster 1 H2B member	ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG00000154511	HMGCLL1	3-hydroxyacyl-CoA lyase	ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG00000127085	MTBP	MDM2 binding protein	ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG00000157722	IGDCC4	immunoglobulin domain containing 4	ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG000001899	CCNF	cyclin F	ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG00000192806	CENPBD1	CENPB domain containing 1	ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG00000155295	KLHL26	kelch like family class B member 26	ENSG0000013.0319	-0.87236	3.02722	-0.28817
ENSG0000011465	CSRP1	cysteine rich protein 1	ENSG00000186.29124	-0.21604	0.749806	-0.28813
ENSG0000017779	SLC30A1	solute carrier family 30 member 1	ENSG00000139.71824	0.272381	0.945783	0.287995
ENSG000001359845	RFLNB	refilin B	ENSG00000125.1572	-0.3373	1.171314	-0.28797
ENSG00000156852	RAD18	RAD18, E3 ubiquitin ligase	ENSG0000017.643375	0.554974	1.927216	0.287967
ENSG0000015163	PDK1	pyruvate dehydrogenase kinase 1	ENSG00000168.26738	0.243157	0.844412	0.287961
ENSG000001389	RHOC	ras homologous family class C member 1	ENSG00000152.37197	0.245206	0.851665	0.287914



ENSG000001201562	HACD2	3-hydroxyacetyl-CoA dehydrogenase	ENSG000001201562	21.70863	0.346189	1.202616	0.287863
ENSG00000160488	MRPS35	mitochondrial ribosomal protein S35	ENSG00000160488	44.99618	0.269484	0.936165	0.28786
ENSG00000126001	RNF167	ring finger protein 167	ENSG00000126001	46.33341	-0.25955	0.901767	-0.28782
ENSG000001130872	AHSA2P	activator of histone H3 acetylation	ENSG000001130872	33.61285	-0.29226	1.015481	-0.28781
ENSG0000019377	COX5A	cytochrome c oxidase subunit 5A	ENSG0000019377	222.7645	0.181797	0.631791	0.287748
ENSG0000013931	LCAT	lecithin:cholesterol acyltransferase	ENSG0000013931	5.425195	-0.67534	2.350749	-0.28729
ENSG00000192335	STRADA	STE20-related adapter	ENSG00000192335	5.425195	-0.67534	2.350749	-0.28729
ENSG000001649446	DLGAP1-AS1	DLGAP1 antisense 1	ENSG000001649446	5.425195	-0.67534	2.350749	-0.28729
ENSG0000010279833			ENSG0000010279833	5.425195	-0.67534	2.350749	-0.28729
ENSG0000012011	MARK2	microtubule-associated protein	ENSG0000012011	50.60094	0.247196	0.861844	0.286822
ENSG00000110691	GMEB1	glucocorticoid-induced myeloblastic leukemia	ENSG00000110691	18.64482	-0.37242	1.298637	-0.28678
ENSG00000155762	ZNF701	zinc finger protein 701	ENSG00000155762	9.913866	-0.49573	1.72869	-0.28677
ENSG00000125776	CBY1	chibby family protein 1	ENSG00000125776	16.52054	-0.39406	1.374405	-0.28672
ENSG00000110848	PPP1R13L	protein phosphatase 1 regulatory subunit 13L	ENSG00000110848	44.4329	-0.27141	0.946661	-0.2867
ENSG000001474344	GIMAP6	GTPase, IV domain	ENSG000001474344	63.29364	0.229034	0.799124	0.286606
ENSG000001129049	SGSM1	small G protein, Ras-like	ENSG000001129049	21.78657	0.342631	1.195569	0.286584
ENSG0000011289	COL5A1	collagen type V alpha 1	ENSG0000011289	48.70042	0.257135	0.897344	0.286551
ENSG0000011938	EEF2	eukaryotic translation elongation factor 2	ENSG0000011938	1151.382	-0.14446	0.50419	-0.28651
ENSG0000017360	UGP2	UDP-glucose 4-epimerase	ENSG0000017360	222.101	0.169512	0.592062	0.286307
ENSG0000016015	RING1	ring finger protein 1	ENSG0000016015	16.48157	-0.39181	1.368743	-0.28626
ENSG0000018916	HERC3	HECT and E3 ubiquitin ligase	ENSG0000018916	96.53429	-0.20335	0.710691	-0.28613
ENSG00000123008	KLHDC10	kelch domain protein 10	ENSG00000123008	71.79088	-0.22933	0.801627	-0.28608
ENSG00000154764	ZRANB1	zinc finger protein 1	ENSG00000154764	48.40237	-0.25671	0.897348	-0.28607
ENSG00000153944	CSNK1G1	casein kinase 1 gamma	ENSG00000153944	14.6144	0.410484	1.435379	0.285976
ENSG000001159013	CXorf38	chromosomal protein	ENSG000001159013	14.6144	0.410484	1.435379	0.285976
ENSG0000014580	MTX1	metaxin 1	ENSG0000014580	6.018158	0.600075	2.09854	0.285949
ENSG00000154823	SWT1	SWT1, RNA polymerase II	ENSG00000154823	12.94394	0.428657	1.500683	0.285641
ENSG000001118460	EXOSC6	exosome component 6	ENSG000001118460	42.05216	-0.26634	0.932603	-0.28559
ENSG00000110055	SAE1	SUMO1 activating enzyme	ENSG00000110055	42.05216	-0.26634	0.932603	-0.28559
ENSG00000189796	NAV1	neuron sodium channel	ENSG00000189796	174.503	-0.1847	0.646767	-0.28557
ENSG000001112574	SNX18	sorting nexin 18	ENSG000001112574	39.72452	0.269122	0.942693	0.285482
ENSG00000179571	GCC1	GRIP and coiled-coil domain	ENSG00000179571	18.11123	0.377048	1.320742	0.285481
ENSG00000164745	METTL17	methyltransferase	ENSG00000164745	18.2118	0.367409	1.287868	0.285285
ENSG00000129925	GMPPB	GDP-mannose 6-phosphate	ENSG00000129925	7.743946	0.53284	1.867898	0.285262
ENSG000001220074	LRTOMT	leucine-rich repeat	ENSG000001220074	7.743946	0.53284	1.867898	0.285262
ENSG000001113419	TEX261	testis expressed	ENSG000001113419	46.27182	-0.25699	0.901276	-0.28514
ENSG00000110137	RBM12	RNA binding motif	ENSG00000110137	77.91328	0.213673	0.749787	0.284978
ENSG00000123272	FAM208A	family with sequence similarity	ENSG00000123272	81.96474	-0.21559	0.756792	-0.28487
ENSG0000010234518			ENSG0000010234518	2.644526	0.968837	3.401467	0.284829
ENSG000001200879	LIPH	lipase H	ENSG000001200879	2.644526	0.968837	3.401467	0.284829
ENSG0000018969	HIST1H2AC	histone cluster 1 H2A	ENSG0000018969	2.644526	0.968837	3.401467	0.284829
ENSG0000010253210			ENSG0000010253210	2.644526	0.968837	3.401467	0.284829
ENSG0000016448	SGSH	N-sulfoglucosyl hydrolase	ENSG0000016448	9.330191	0.511436	1.795909	0.284778
ENSG0000018821	INPP4B	inositol polyphosphate	ENSG0000018821	88.16665	-0.20728	0.727936	-0.28475
ENSG00000160509	AGBL5	ATP/GTP binding	ENSG00000160509	18.25077	0.365405	1.283787	0.284631
ENSG00000179650	USB1	U6 snRNA binding	ENSG00000179650	18.25077	0.365405	1.283787	0.284631
ENSG00000151496	CTDSPL2	CTD small subunit	ENSG00000151496	37.87554	0.275361	0.967993	0.284466

ENSG00000157610	RANBP10	RAN bindir	ENSG00000157610	25.0667	-0.32548	1.144196	-0.28446
ENSG00000154715	RBFOX1	RNA bindir	ENSG00000154715	68.60427	0.231033	0.812271	0.284428
ENSG00000157223	PPP4R3B	protein ph	ENSG00000157223	72.42792	0.217855	0.76684	0.284095
ENSG000001283373	ANKRD52	ankyrin re	ENSG000001283373	69.29322	-0.22243	0.783243	-0.28399
ENSG00000184542	KIAA1841	KIAA1841	ENSG00000184542	14.27934	-0.4147	1.461714	-0.28371
ENSG0000016388	SDF2	stromal cel	ENSG0000016388	14.71497	0.398803	1.406696	0.283503
ENSG00000110254	STAM2	signal tran	ENSG00000110254	63.30371	0.231205	0.815551	0.283496
ENSG00000110393	ANAPC10	anaphase p	ENSG00000110393	11.21815	0.449816	1.586679	0.283495
ENSG00000123483	TGDS	TDP-glucos	ENSG00000123483	11.21815	0.449816	1.586679	0.283495
ENSG0000012247	FGF2	fibroblast g	ENSG0000012247	25.22808	0.327436	1.155743	0.283312
ENSG000001168374	ZNF92	zinc finger	ENSG000001168374	9.891241	-0.488	1.722922	-0.28324
ENSG0000010278133			ENSG0000010278133	9.891241	-0.488	1.722922	-0.28324
ENSG0000019587	MAD2L1BF	MAD2L1 bi	ENSG0000019587	12.96656	0.420872	1.486208	0.283185
ENSG00000110199	MPHOSPH	M-phase p	ENSG00000110199	23.00401	-0.34167	1.206541	-0.28318
ENSG000001128989	TANGO2	transport a	ENSG000001128989	31.52755	-0.29947	1.057767	-0.28312
ENSG00000155696	RBM22	RNA bindir	ENSG00000155696	36.1661	0.276013	0.975265	0.283013
ENSG00000151014	TMED7	transmembr	ENSG00000151014	88.80604	0.20785	0.734472	0.282993
ENSG00000125989	ULK3	unc-51 like	ENSG00000125989	25.02772	-0.3239	1.145458	-0.28277
ENSG00000151614	ERGIC3	ERGIC and	ENSG00000151614	57.94155	0.233503	0.825807	0.282757
ENSG0000015130	PCYT1A	phosphate	ENSG0000015130	154.3009	0.184743	0.653414	0.282735
ENSG00000122933	SIRT2	sirtuin 2	ENSG00000122933	74.29482	-0.23743	0.839782	-0.28272
ENSG000001223	ALDH9A1	aldehyde d	ENSG000001223	48.29552	-0.25131	0.889157	-0.28264
ENSG00000110195	ALG3	ALG3, alph	ENSG00000110195	7.704973	0.536782	1.899938	0.282526
ENSG0000010243466			ENSG0000010243466	3.138748	-0.94914	3.360037	-0.28248
ENSG00000194025	MUC16	mucin 16, c	ENSG00000194025	3.138748	-0.94914	3.360037	-0.28248
ENSG000001100996571	CYYR1-AS1	cysteine ar	ENSG000001100996571	3.138748	-0.94914	3.360037	-0.28248
ENSG00000190204	ZSWIM1	zinc finger	ENSG00000190204	16.50236	0.379272	1.342911	0.282425
ENSG0000011399	CRKL	CRK like pr	ENSG0000011399	123.6111	0.187483	0.664244	0.28225
ENSG0000013290	HSD11B1	hydroxyste	ENSG0000013290	4.292369	0.719952	2.550855	0.28224
ENSG000001286343	LURAP1L	leucine ric	ENSG000001286343	4.292369	0.719952	2.550855	0.28224
ENSG000001284161	GDPD1	glycerophc	ENSG000001284161	4.292369	0.719952	2.550855	0.28224
ENSG00000183850	ESYT3	extended s	ENSG00000183850	5.379945	-0.648	2.296419	-0.28218
ENSG00000110924	SMPDL3A	sphingomy	ENSG00000110924	5.379945	-0.648	2.296419	-0.28218
ENSG000001340719	NANOS1	nanos C2H	ENSG000001340719	5.379945	-0.648	2.296419	-0.28218
ENSG0000010179277			ENSG0000010179277	5.379945	-0.648	2.296419	-0.28218
ENSG00000184945	ABHD13	abhydrolas	ENSG00000184945	20.76282	-0.34979	1.239677	-0.28216
ENSG00000151703	ACSL5	acyl-CoA s	ENSG00000151703	18.60584	-0.37032	1.312757	-0.2821
ENSG00000190293	KLHL13	kelch like f	ENSG00000190293	9.447109	0.500042	1.772613	0.282093
ENSG0000019016	SLC25A14	solute carr	ENSG0000019016	6.05713	0.595512	2.111347	0.282053
ENSG00000126524	LATS2	large tumo	ENSG00000126524	50.3909	-0.24596	0.872135	-0.28202
ENSG00000155125	CEP192	centrosom	ENSG00000155125	97.89755	0.200026	0.709414	0.28196
ENSG00000155781	RIOK2	RIO kinase	ENSG00000155781	18.17283	0.369603	1.310969	0.281931
ENSG00000155755	CDK5RAP2	CDK5 regul	ENSG00000155755	109.1354	-0.19637	0.69667	-0.28187
ENSG00000185015	USP45	ubiquitin s	ENSG00000185015	31.42698	-0.29436	1.046461	-0.28129
ENSG00000155279	ZNF654	zinc finger	ENSG00000155279	28.98137	0.304217	1.082051	0.281149
ENSG00000183594	NUDT12	nudix hydr	ENSG00000183594	21.84817	0.33651	1.197161	0.28109
ENSG000001720	C4A	compleme	ENSG000001720	9.391789	0.496494	1.766637	0.281039

ENSG00000157157	PHTF2	putative h	ENSG00000165.26582	0.222359	0.791725	0.280853
ENSG000001100505495	PCAT19	prostate ca	ENSG00000112.09346	-0.44277	1.576605	-0.28084
ENSG000001160	AP2A1	adaptor rel	ENSG00000150.50782	-0.24879	0.886266	-0.28072
ENSG00000184924	ZNF566	zinc finger	ENSG00000116.41997	-0.38491	1.371177	-0.28071
ENSG00000123052	ENDOD1	endonucle	ENSG00000170.7122	0.218151	0.77718	0.280695
ENSG00000110234	LRRC17	leucine ric	ENSG0000014.39294	0.680296	2.425622	0.280463
ENSG000001197187	SNAI3-AS1	SNAI3 anti	ENSG0000014.39294	0.680296	2.425622	0.280463
ENSG00000130851	TAX1BP3	Tax1 bindir	ENSG0000014.39294	0.680296	2.425622	0.280463
ENSG00000125807	RHBDD3	rhomboid (	ENSG0000014.39294	0.680296	2.425622	0.280463
ENSG000001283349	RASSF3	Ras associa	ENSG000001121.1374	0.201853	0.720995	0.279964
ENSG0000011537	CYC1	cytochrom	ENSG000001150.8493	0.18261	0.652424	0.279895
ENSG00000110987	COPS5	COP9 signa	ENSG00000150.36827	-0.24452	0.873676	-0.27988
ENSG0000016764	ST5	suppressio	ENSG00000148.46776	-0.25473	0.910251	-0.27984
ENSG00000180185	TTI2	TELO2 inte	ENSG0000017.627419	-0.54616	1.953516	-0.27958
ENSG00000151236	HGH1	HGH1 hom	ENSG0000017.627419	-0.54616	1.953516	-0.27958
ENSG00000100279159			ENSG00000138.0377	0.26719	0.956194	0.279431
ENSG00000110066	SCAMP2	secretory c	ENSG00000136.08815	0.278583	0.997009	0.279419
ENSG0000012730	GCLM	glutamate-	ENSG00000123.63556	0.327179	1.170939	0.279416
ENSG00000123528	ZNF281	zinc finger	ENSG00000123.63556	0.327179	1.170939	0.279416
ENSG00000154737	MPHOSPH1	M-phase p	ENSG000001102.5966	-0.1948	0.697205	-0.2794
ENSG0000017763	ZFAND5	zinc finger	ENSG000001187.8037	0.168281	0.602507	0.279301
ENSG00000155317	AP5S1	adaptor rel	ENSG00000112.05449	-0.43985	1.574986	-0.27927
ENSG0000011632	ECI1	enoyl-CoA	ENSG00000127.23923	0.303612	1.087594	0.27916
ENSG000001127435	PODN	podocan	ENSG00000138.51885	-0.32037	1.147894	-0.2791
ENSG00000127241	BBS9	Bardet-Bie	ENSG00000127.20026	0.305114	1.093761	0.278959
ENSG00000154934	KANSL2	KAT8 regul	ENSG00000127.20026	0.305114	1.093761	0.278959
ENSG0000014331	MNAT1	MNAT1, Cl	ENSG00000116.52499	0.37333	1.338553	0.278906
ENSG0000019891	NUAK1	NUAK fami	ENSG000001107.282	0.191849	0.687934	0.278878
ENSG0000014809	SNU13	small nucle	ENSG00000154.38313	0.23579	0.845643	0.278829
ENSG00000164376	IKZF5	IKAROS far	ENSG00000123.54127	0.328461	1.178311	0.278756
ENSG00000122990	PCNX1	pecanex 1	ENSG000001292.3723	0.156409	0.561277	0.278666
ENSG0000012099	ESR1	estrogen r	ENSG0000017.650044	-0.5557	1.994721	-0.27858
ENSG0000012005	ELK4	ELK4, ETS t	ENSG000001146.4724	-0.18213	0.654008	-0.27849
ENSG0000015532	PPP3CB	protein ph	ENSG00000181.68317	-0.20682	0.743474	-0.27817
ENSG0000016924	ELOA	elongin A	ENSG00000168.97007	0.21614	0.777159	0.278116
ENSG000001599	BCL2L2	BCL2 like 2	ENSG00000167.26324	-0.2243	0.807394	-0.27781
ENSG00000185458	DIXDC1	DIX domai	ENSG00000164.99562	-0.22463	0.808619	-0.27779
ENSG0000016441	SFTPD	surfactant	ENSG0000014.353967	0.6861	2.470103	0.277762
ENSG000001284098	PIGW	phosphatic	ENSG0000014.353967	0.6861	2.470103	0.277762
ENSG00000110979	FERMT2	fermitin fa	ENSG000001151.1723	0.17568	0.632818	0.277615
ENSG00000123208	SYT11	synaptotag	ENSG00000144.28708	-0.26448	0.952916	-0.27755
ENSG000001117155	CATSPER2	cation char	ENSG0000015.340972	-0.642	2.31533	-0.27728
ENSG000001375056	MIA3	MIA SH3 d	ENSG000001110.9316	-0.19242	0.694097	-0.27723
ENSG000001126668	TDRD10	tudor dom	ENSG0000016.079755	0.577037	2.083057	0.277015
ENSG00000179077	DCTPP1	dCTP pyro	ENSG0000016.079755	0.577037	2.083057	0.277015
ENSG00000151575	ESF1	ESF1 nucle	ENSG00000127.08413	-0.30632	1.107463	-0.27659
ENSG00000110783	NEK6	NIMA relat	ENSG00000134.47928	0.274248	0.991851	0.276501

ENSG00000184681	HINT2	histidine tr	ENSG0000013.02816	0.410512	1.485225	0.276397
ENSG00000126608	TBL2	transducin	ENSG0000019.829643	-0.47673	1.72696	-0.27605
ENSG0000016455	SH3GL1	SH3 domai	ENSG0000019.829643	-0.47673	1.72696	-0.27605
ENSG00000123023	TMCC1	transmeml	ENSG00000154.44838	-0.23442	0.849182	-0.27605
ENSG000001728613	LOC728613	programm	ENSG0000017.766571	0.518923	1.879877	0.276041
ENSG0000016583	SLC22A4	solute carr	ENSG0000017.805544	0.515117	1.866534	0.275975
ENSG000001670	BPHL	biphenyl h	ENSG0000017.805544	0.515117	1.866534	0.275975
ENSG00000154885	TBC1D8B	TBC1 dom	ENSG0000017.805544	0.515117	1.866534	0.275975
ENSG00000181603	TRIM8	tripartite n	ENSG00000185.78591	-0.20293	0.735807	-0.2758
ENSG00000151666	ASB4	ankyrin re	ENSG00000112.89869	0.442919	1.606539	0.275697
ENSG000001221786	FAM200A	family with	ENSG0000017.604794	-0.53613	1.945282	-0.2756
ENSG000001128	ADH5	alcohol de	ENSG000001141.9486	-0.17736	0.643631	-0.27557
ENSG00000122864	R3HDM2	R3H domai	ENSG00000146.04805	-0.24831	0.901237	-0.27552
ENSG000001395	ARHGAP6	Rho GTPas	ENSG00000120.04444	0.344525	1.250574	0.275493
ENSG00000110248	POP7	POP7 hom	ENSG0000019.531332	0.474912	1.724503	0.275391
ENSG00000151253	MRPL37	mitochond	ENSG00000154.451	0.231212	0.840348	0.275138
ENSG00000153373	TPCN1	two pore s	ENSG000001128.3269	-0.19446	0.70695	-0.27508
ENSG000001147081	LINC02210	long interg	ENSG00000114.23409	-0.40393	1.468865	-0.27499
ENSG00000157128	LYRM4	LYR motif c	ENSG00000112.03187	-0.43344	1.576636	-0.27492
ENSG000001150696	PROM2	prominin 2	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG000001101927167	GATA2-AS	GATA2 ant	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG0000012919	CXCL1	C-X-C moti	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG000001100505806	SNHG18	small nucle	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG0000010229666			ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG0000010250069			ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG000001105378511	LOC105378	uncharacte	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG000001100289274	DNAJC3-D1	DNAJC3 di	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG00000184439	HHIPL1	HHIP like 1	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG000001256586	LYSMD2	LysM dom	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG00000156906	THAP10	THAP dom	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG000001100506388	LOC100506	uncharacte	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG00000193323	HAUS8	HAUS augr	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG000001644096	SDHAF1	succinate c	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG0000016261	RYR1	ryanodine	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG0000015822	PWP2	PWP2, sma	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG00000191355	LRP5L	LDL recept	ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG0000010184068			ENSG0000012.970302	-0.83772	3.048346	-0.27481
ENSG00000154965	PIGX	phosphatic	ENSG00000114.19512	-0.40137	1.461507	-0.27463
ENSG00000125898	RCHY1	ring finger	ENSG00000120.77917	-0.34818	1.268117	-0.27456
ENSG00000123038	WDTC1	WD and te	ENSG000001114.925	-0.18574	0.677391	-0.2742
ENSG000001345757	FAM174A	family with	ENSG0000017.643767	-0.54067	1.972735	-0.27407
ENSG0000016581	SLC22A3	solute carr	ENSG0000012.992927	-0.86155	3.143701	-0.27405
ENSG0000016833	ABCC8	ATP bindin	ENSG0000012.992927	-0.86155	3.143701	-0.27405
ENSG00000184552	PARD6G	par-6 famil	ENSG0000012.992927	-0.86155	3.143701	-0.27405
ENSG00000154431	DNAJC10	DnaJ heat	ENSG00000189.99301	-0.19934	0.727811	-0.27388
ENSG0000014130	MAP1A	microtubul	ENSG000001292.9554	0.166648	0.608497	0.273869
ENSG00000122985	ACIN1	apoptotic c	ENSG000001147.3964	0.177748	0.649403	0.27371

ENSG0000I	ENSG0000I	439921	MXRA7	matrix rem	ENSG0000I	272.3717	0.156867	0.573845	0.273361
ENSG0000I	ENSG0000I	535	ATP6V0A1	ATPase H+	ENSG0000I	54.38679	-0.23223	0.849961	-0.27322
ENSG0000I	ENSG0000I	51290	ERGIC2	ERGIC and	ENSG0000I	58.14897	0.225253	0.824497	0.273201
ENSG0000I	ENSG0000I	160897	GPR180	G protein- $\alpha$	ENSG0000I	20.67859	-0.34056	1.246723	-0.27317
ENSG0000I	ENSG0000I	348654	GEN1	GEN1, Holl	ENSG0000I	18.2445	0.373016	1.366459	0.27298
ENSG0000I	ENSG0000I	8817	FGF18	fibroblast $\xi$	ENSG0000I	14.20584	0.474022	1.736912	0.272911
ENSG0000I	ENSG0000I	84083	ZRANB3	zinc finger	ENSG0000I	5.363597	-0.65506	2.40065	-0.27287
ENSG0000I	ENSG0000I	6624	FSCN1	fascin activ	ENSG0000I	5.363597	-0.65506	2.40065	-0.27287
ENSG0000I	ENSG0000I	6636	SNRPF	small nucle	ENSG0000I	9.553957	0.464007	1.700896	0.272801
ENSG0000I	ENSG0000I	2013	EMP2	epithelial r	ENSG0000I	104.5462	-0.19056	0.698548	-0.2728
ENSG0000I	ENSG0000I	269982			ENSG0000I	5.318347	-0.62781	2.302193	-0.2727
ENSG0000I	ENSG0000I	100499483	CCDC180	coiled-coil	ENSG0000I	5.318347	-0.62781	2.302193	-0.2727
ENSG0000I	ENSG0000I	339290	LINC00667	long interg	ENSG0000I	35.48446	-0.27099	0.993714	-0.2727
ENSG0000I	ENSG0000I	3163	HMOX2	heme oxyg	ENSG0000I	72.51842	0.213565	0.783198	0.272683
ENSG0000I	ENSG0000I	93058	COQ10A	coenzyme	ENSG0000I	75.45616	-0.21136	0.775389	-0.27258
ENSG0000I	ENSG0000I	114883	OSBPL9	oxysterol b	ENSG0000I	89.85346	-0.19679	0.72311	-0.27214
ENSG0000I	ENSG0000I	9779	TBC1D5	TBC1 domæ	ENSG0000I	98.15323	-0.19177	0.704731	-0.27212
ENSG0000I	ENSG0000I	64087	MCCC2	methylcro	ENSG0000I	140.5235	0.174487	0.64198	0.271795
ENSG0000I	ENSG0000I	79872	CBLL1	Cbl proto-c	ENSG0000I	32.65292	0.279015	1.026638	0.271776
ENSG0000I	ENSG0000I	7389	UROD	uroporphyr	ENSG0000I	38.17725	0.261378	0.961825	0.271752
ENSG0000I	ENSG0000I	51603	EEF1AKNM	EEF1A lysir	ENSG0000I	16.33574	-0.37326	1.373664	-0.27172
ENSG0000I	ENSG0000I	1723	DHODH	dihydroorc	ENSG0000I	16.33574	-0.37326	1.373664	-0.27172
ENSG0000I	ENSG0000I	3691	ITGB4	integrin su	ENSG0000I	11.30237	0.428665	1.579123	0.271458
ENSG0000I	ENSG0000I	229994			ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	165055	CCDC138	coiled-coil	ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	375316	RBM44	RNA bindir	ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	248810			ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	153201	SLC36A2	solute carr	ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	250031			ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	262454			ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	6351	CCL4	C-C motif c	ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	267279			ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	773	CACNA1A	calcium vo	ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	3978	LIG1	DNA ligase	ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	64130	LIN7B	lin-7 homo	ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	260708			ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	228906			ENSG0000I	2.790347	0.811431	2.989657	0.271413
ENSG0000I	ENSG0000I	28976	ACAD9	acyl-CoA d	ENSG0000I	41.8199	0.250776	0.924062	0.271385
ENSG0000I	ENSG0000I	64969	MRPS5	mitochond	ENSG0000I	52.30148	-0.23424	0.863228	-0.27135
ENSG0000I	ENSG0000I	5933	RBL1	RB transcri	ENSG0000I	13.05078	0.402786	1.484904	0.271254
ENSG0000I	ENSG0000I	23478	SEC11A	SEC11 horr	ENSG0000I	49.08257	0.236073	0.8709	0.271068
ENSG0000I	ENSG0000I	90321	ZNF766	zinc finger	ENSG0000I	27.36243	0.293929	1.086424	0.270548
ENSG0000I	ENSG0000I	84144	SYDE2	synapse de	ENSG0000I	48.1208	-0.24132	0.892734	-0.27032
ENSG0000I	ENSG0000I	7257	TSNAX	translin as	ENSG0000I	26.98355	-0.30052	1.11183	-0.2703
ENSG0000I	ENSG0000I	51029	DES12	desumoyla	ENSG0000I	58.21057	0.222981	0.825194	0.270217
ENSG0000I	ENSG0000I	94241	TP53INP1	tumor prot	ENSG0000I	58.21057	0.222981	0.825194	0.270217
ENSG0000I	ENSG0000I	1416	CRYBB2P1	crystallin b	ENSG0000I	9.79067	-0.47313	1.750949	-0.27021

ENSG000001284403	WDR62	WD repeat	ENSG000001284403	12.17141	-0.44968	1.664205	-0.27021
ENSG00000164428	CIAO3	cytosolic ir	ENSG00000164428	9.807018	-0.46888	1.73539	-0.27018
ENSG0000010261490			ENSG0000010261490	7.565821	-0.53167	1.968572	-0.27008
ENSG00000155234	SMU1	SMU1, DN	ENSG00000155234	75.21604	-0.20606	0.762982	-0.27007
ENSG00000155128	TRIM68	tripartite r	ENSG00000155128	18.47637	-0.35184	1.303326	-0.26995
ENSG00000183544	DNAL1	dynein axo	ENSG00000183544	21.97137	0.32431	1.202368	0.269726
ENSG000001151195	CCNYL1	cyclin Y like	ENSG000001151195	18.35762	0.347611	1.288777	0.269722
ENSG00000180124	VCIPI1	valosin cor	ENSG00000180124	78.13325	0.204979	0.760029	0.269698
ENSG0000017572	ZNF24	zinc finger	ENSG0000017572	142.4466	0.171846	0.637377	0.269614
ENSG0000011609	DGKQ	diacylglyce	ENSG0000011609	4.415565	0.653535	2.424263	0.269581
ENSG00000155851	PSENEN	presenilin	ENSG00000155851	4.415565	0.653535	2.424263	0.269581
ENSG00000179794	C12orf49	chromosor	ENSG00000179794	16.62556	0.363072	1.347125	0.269516
ENSG00000123443	SLC35A3	solute carr	ENSG00000123443	30.98245	0.278687	1.034037	0.269513
ENSG00000111193	WBP4	WW doma	ENSG00000111193	32.79246	0.27232	1.01135	0.269264
ENSG00000155055	ZWILCH	zwilch kine	ENSG00000155055	5.357319	-0.63425	2.355506	-0.26926
ENSG00000110999	SLC27A4	solute carr	ENSG00000110999	16.29677	-0.371	1.378519	-0.26913
ENSG000001414235	PRR26	proline ric	ENSG000001414235	16.29677	-0.371	1.378519	-0.26913
ENSG00000180304	WDCP	WD repeat	ENSG00000180304	7.828169	0.50134	1.86465	0.268865
ENSG000001493856	CISD2	CDGSH iro	ENSG000001493856	7.828169	0.50134	1.86465	0.268865
ENSG0000016650	CAPN15	calpain 15	ENSG0000016650	7.828169	0.50134	1.86465	0.268865
ENSG000001374899	ZNF829	zinc finger	ENSG000001374899	7.828169	0.50134	1.86465	0.268865
ENSG00000128952	CCDC22	coiled-coil	ENSG00000128952	7.828169	0.50134	1.86465	0.268865
ENSG00000110189	ALYREF	Aly/REF ex	ENSG00000110189	9.768045	-0.46537	1.732757	-0.26857
ENSG000001101927832	PAQR9-AS	PAQR9 ant	ENSG000001101927832	3.009274	-0.84884	3.160724	-0.26856
ENSG000001728464	METTL24	methyltrar	ENSG000001728464	3.009274	-0.84884	3.160724	-0.26856
ENSG000001138724	C9orf131	chromosor	ENSG000001138724	3.009274	-0.84884	3.160724	-0.26856
ENSG00000111169	WDHD1	WD repeat	ENSG00000111169	3.009274	-0.84884	3.160724	-0.26856
ENSG000001132864	CPEB2	cytoplasmic	ENSG000001132864	41.85887	0.249664	0.929958	0.268468
ENSG00000155347	ABHD10	abhydrolas	ENSG00000155347	48.92419	0.247672	0.922932	0.268353
ENSG00000184186	ZCCHC7	zinc finger	ENSG00000184186	25.57504	0.299543	1.116461	0.268297
ENSG00000184268	RPAIN	RPA intera	ENSG00000184268	20.57802	-0.33311	1.241894	-0.26822
ENSG00000180204	FBXO11	F-box prot	ENSG00000180204	41.72782	-0.25292	0.943041	-0.2682
ENSG0000014850	CNOT4	CCR4-NOT	ENSG0000014850	41.72782	-0.25292	0.943041	-0.2682
ENSG0000015714	PSMD8	proteasom	ENSG0000015714	145.6204	0.180552	0.673755	0.267979
ENSG00000164327	LMBR1	limb devel	ENSG00000164327	52.18456	-0.23154	0.864136	-0.26795
ENSG00000180005	DOCK5	dedicator c	ENSG00000180005	166.4016	0.165409	0.617399	0.267912
ENSG0000014363	ABCC1	ATP bindin	ENSG0000014363	48.0592	-0.23884	0.891783	-0.26783
ENSG0000012162	F13A1	coagulation	ENSG0000012162	426.8059	0.562035	2.098506	0.267826
ENSG000001139322	APOOL	apolipopro	ENSG000001139322	76.40498	0.207445	0.774815	0.267735
ENSG000001163175	LGI4	leucine ric	ENSG000001163175	11.34134	0.425741	1.591354	0.267534
ENSG000001205717	USF3	upstream t	ENSG000001205717	108.3862	-0.18366	0.686599	-0.26749
ENSG00000126986	PABPC1	poly(A) bin	ENSG00000126986	227.9634	0.163191	0.610265	0.26741
ENSG00000157447	NDRG2	NDRG fami	ENSG00000157447	205.8277	-0.15909	0.594988	-0.26739
ENSG00000191661	ZNF765	zinc finger	ENSG00000191661	13.01181	0.405636	1.517038	0.267387
ENSG00000180010	RMI1	RecQ medi	ENSG00000180010	7.543196	-0.5216	1.951119	-0.26734
ENSG000001170958	ZNF525	zinc finger	ENSG000001170958	7.543196	-0.5216	1.951119	-0.26734
ENSG0000018624	PSMG1	proteasom	ENSG0000018624	7.543196	-0.5216	1.951119	-0.26734

ENSG00000154896	PQLC2	PQ loop re	ENSG0000016141353	0.554358	2.074023	0.267286
ENSG00000151373	MRPS17	mitochond	ENSG0000016141353	0.554358	2.074023	0.267286
ENSG00000155036	CCDC40	coiled-coil	ENSG0000016141353	0.554358	2.074023	0.267286
ENSG000001641339	ZNF674	zinc finger	ENSG0000016141353	0.554358	2.074023	0.267286
ENSG000001348110	ARPIN	actin relat	ENSG00000140.05513	0.250415	0.938523	0.266818
ENSG0000016821	SUOX	sulfite oxid	ENSG00000135.40024	-0.26556	0.995433	-0.26678
ENSG0000011158	CKM	creatine ki	ENSG0000012918.613	-0.149	0.55896	-0.26656
ENSG0000017678	ZNF124	zinc finger	ENSG00000114.8608	0.374025	1.403757	0.266446
ENSG0000017782	SLC30A4	solute carr	ENSG00000116.27415	-0.36627	1.37499	-0.26638
ENSG0000016938	TCF12	transcripti	ENSG00000185.49426	-0.19568	0.734908	-0.26626
ENSG0000012990	GUSB	glucuronid	ENSG00000122.01662	0.315823	1.186345	0.266215
ENSG00000160672	MIIP	migration	ENSG0000017.867142	0.497547	1.869102	0.266196
ENSG0000015471	PPAT	phosphorik	ENSG0000017.867142	0.497547	1.869102	0.266196
ENSG00000155068	ENOX1	ecto-NOX c	ENSG0000017.867142	0.497547	1.869102	0.266196
ENSG00000151011	FAHD2A	fumarylac	ENSG00000124.93722	-0.3119	1.172185	-0.26608
ENSG000001157657	C8orf37	chromosor	ENSG0000014.454538	0.64781	2.436431	0.265885
ENSG00000191151	TIGD7	tigger tran	ENSG0000014.454538	0.64781	2.436431	0.265885
ENSG00000160493	FASTKD5	FAST kinas	ENSG00000134.58613	0.26533	0.998498	0.265729
ENSG00000128511	NKIRAS2	NFKB inhib	ENSG00000145.51786	0.241643	0.909977	0.265549
ENSG0000013665	IRF7	interferon	ENSG0000015.279374	-0.62162	2.341905	-0.26543
ENSG00000110464	PIBF1	progester	ENSG00000131.04405	0.274436	1.034001	0.265412
ENSG0000018565	YARS	tyrosyl-tR	ENSG00000139.56457	-0.25435	0.95898	-0.26523
ENSG000001493753	COA5	cytochrom	ENSG00000118.41922	0.34038	1.283501	0.265197
ENSG000001163227	ZNF100	zinc finger	ENSG00000118.41477	-0.34562	1.303506	-0.26514
ENSG00000155284	UBE2W	ubiquitin c	ENSG00000156.33634	-0.22269	0.83995	-0.26513
ENSG00000164754	SMYD3	SET and M	ENSG0000019.576582	0.453136	1.710686	0.264885
ENSG000001253714	MMS22L	MMS22 lik	ENSG0000019.576582	0.453136	1.710686	0.264885
ENSG0000014211	MEIS1	Meis home	ENSG00000145.95376	-0.24672	0.931601	-0.26483
ENSG00000184313	VPS25	vacuolar p	ENSG00000118.45819	0.338383	1.277764	0.264824
ENSG00000184790	TUBA1C	tubulin alp	ENSG0000019.615555	0.449858	1.699239	0.264741
ENSG0000012241	FER	FER tyrosin	ENSG00000161.88212	0.21502	0.812456	0.264655
ENSG00000123548	TTC33	tetratricop	ENSG00000124.83665	-0.30547	1.154231	-0.26465
ENSG00000110771	ZMYND11	zinc finger	ENSG000001139.4032	-0.17035	0.643722	-0.26463
ENSG000001151194	METTTL21A	methyltrar	ENSG00000111.36397	0.416798	1.575376	0.264571
ENSG0000010224086			ENSG00000111.36397	0.416798	1.575376	0.264571
ENSG00000151116	MRPS2	mitochond	ENSG00000114.1109	-0.38789	1.467145	-0.26439
ENSG000001284273	ZADH2	zinc bindin	ENSG00000189.34407	0.194191	0.734713	0.264309
ENSG00000156889	TM9SF3	transmeml	ENSG000001170.219	0.16214	0.613455	0.264307
ENSG000001391	RHOG	ras homolc	ENSG00000118.39843	-0.3477	1.316436	-0.26412
ENSG00000123108	RAP1GAP2	RAP1 GTPa	ENSG00000172.9823	0.201502	0.764082	0.263718
ENSG0000016879	TAF7	TATA-box k	ENSG000001111.4853	0.178678	0.677913	0.26357
ENSG00000111143	KAT7	lysine acet	ENSG00000192.80441	0.193259	0.733442	0.263496
ENSG0000018505	PARG	poly(ADP-r	ENSG00000135.33864	-0.26224	0.995432	-0.26344
ENSG000001158471	PRUNE2	prune hom	ENSG00000116.2578	-0.36859	1.399532	-0.26336
ENSG00000179828	METTTL8	methyltrar	ENSG00000120.51643	-0.32751	1.243761	-0.26332
ENSG0000017627	ZNF75A	zinc finger	ENSG00000120.51643	-0.32751	1.243761	-0.26332
ENSG0000016432	SRSF7	serine and	ENSG00000135.36754	-0.26724	1.015442	-0.26318

ENSG0000016494	SIPA1	signal-induc	ENSG0000012022923	0.324707	1.233906	0.263154
ENSG00000191942	NDUFAF2	NADH:ubiquin	ENSG0000011667081	0.351424	1.336334	0.262976
ENSG000001861	RUNX1	runt related	ENSG0000011878057	-0.39371	1.497915	-0.26284
ENSG0000012026	ENO2	enolase 2	ENSG0000011411717	-0.39592	1.506757	-0.26277
ENSG00000157643	ZSWIM5	zinc finger	ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG000001101928079	SLC44A3-A	SLC44A3 al	ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG00000100274441			ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG00000100272462			ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG00000100235859			ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG000001203062	TSNARE1	t-SNARE do	ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG00000157799	RAB40C	RAB40C, m	ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG000001102724827	MIATNB	MIAT neigh	ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG00000110343	PKDREJ	polycystin	ENSG0000015256749	-0.60736	2.31183	-0.26272
ENSG00000155274	PHF10	PHD finger	ENSG0000011043941	-0.1869	0.711461	-0.2627
ENSG000001197131	UBR1	ubiquitin p	ENSG0000019163078	-0.18968	0.722192	-0.26265
ENSG000001255480	TBX5-AS1	TBX5 antis	ENSG0000011194764	-0.41763	1.590438	-0.26259
ENSG000001131034	CPNE4	copine 4	ENSG0000012519996	-0.33034	1.258532	-0.26248
ENSG00000157654	UVSSA	UV stimula	ENSG0000011190867	-0.41464	1.580466	-0.26235
ENSG0000016897	TARS	threonyl-t	ENSG0000016457451	-0.20994	0.800755	-0.26218
ENSG0000017319	UBE2A	ubiquitin c	ENSG0000014560209	0.236918	0.903795	0.262137
ENSG00000123001	WDFY3	WD repeat	ENSG000001203165	0.157707	0.601788	0.262063
ENSG000001142679	DUSP19	dual specif	ENSG0000011315135	0.389954	1.488082	0.262051
ENSG00000126509	MYOF	myoferlin	ENSG000001931451	0.186457	0.711546	0.262045
ENSG00000100232295			ENSG0000015295722	-0.61359	2.341844	-0.26201
ENSG00000184167	C19orf44	chromosom	ENSG0000015295722	-0.61359	2.341844	-0.26201
ENSG0000018086	AAAS	aladin WD	ENSG0000012687671	-0.29057	1.110616	-0.26163
ENSG00000129984	RHOD	ras homolo	ENSG0000019784393	-0.46119	1.765895	-0.26117
ENSG00000100227176			ENSG0000012947677	-0.81278	3.115694	-0.26087
ENSG000001389336	C5orf46	chromosom	ENSG0000012947677	-0.81278	3.115694	-0.26087
ENSG000001138046	RALYL	RALY RNA	ENSG0000012947677	-0.81278	3.115694	-0.26087
ENSG000001338799	LINC01089	long interg	ENSG0000012947677	-0.81278	3.115694	-0.26087
ENSG0000012653	GCSH	glycine cle	ENSG0000012947677	-0.81278	3.115694	-0.26087
ENSG00000155314	TMEM144	transmembr	ENSG0000011492239	0.365082	1.39952	0.260862
ENSG00000155094	GPATCH1	G-patch do	ENSG0000019706447	-0.45392	1.740412	-0.26081
ENSG00000125865	PRKD2	protein kin	ENSG0000019706447	-0.45392	1.740412	-0.26081
ENSG0000013092	HIP1	huntingtin	ENSG0000017672552	0.196222	0.752996	0.260588
ENSG000001112970	KTI12	KTI12 chro	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000123421	ITGB3BP	integrin su	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG000001200185	KRTCAP2	keratinocy	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000100235145			ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000100261451			ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000179095	C9orf16	chromosom	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000100272631			ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000110003	NAALAD2	N-acetylata	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG0000019894	TELO2	telomere n	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000100261884			ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000100280152			ENSG0000012908704	-0.80221	3.080955	-0.26038



ENSG000001342909	ZNF284	zinc finger	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG000001101929591	KIZ-AS1	KIZ antisense	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG000001139065	SLITRK4	SLIT and NTRK4	ENSG0000012908704	-0.80221	3.080955	-0.26038
ENSG00000123438	HARS2	histidyl-tRNA synthetase	ENSG0000012263443	-0.31115	1.195051	-0.26037
ENSG0000014357	MPST	mercaptopyruvate sulfurtransferase	ENSG0000012263443	-0.31115	1.195051	-0.26037
ENSG000001533	ATP6V0B	ATPase H+ transporting	ENSG0000012019026	0.326741	1.255192	0.260311
ENSG0000010229692			ENSG0000017504223	-0.517	1.986796	-0.26022
ENSG0000015481	PPID	peptidylprolyl isomerase	ENSG0000013113533	-0.27461	1.055501	-0.26017
ENSG000001127602	DNAH14	dynein axonemal	ENSG0000013070872	-0.88611	3.406855	-0.2601
ENSG0000016198	RPS6KB1	ribosomal protein S6	ENSG0000015201612	-0.22419	0.862093	-0.26006
ENSG00000155593	OTUD5	OTU deubiquitinase	ENSG0000012683773	-0.28907	1.112053	-0.25994
ENSG000001129401	NUP35	nucleoporin	ENSG0000014477163	0.621867	2.39563	0.259584
ENSG000001253639	ZNF620	zinc finger	ENSG0000014477163	0.621867	2.39563	0.259584
ENSG00000179723	SUV39H2	suppressor of variegation	ENSG0000014477163	0.621867	2.39563	0.259584
ENSG00000154903	MKS1	Meckel syndrome 1	ENSG0000014477163	0.621867	2.39563	0.259584
ENSG00000122	ABCB7	ATP binding cassette	ENSG0000013945772	-0.24763	0.953988	-0.25958
ENSG00000110575	CCT4	chaperonin	ENSG0000017489916	0.196691	0.757916	0.259516
ENSG000001255252	LRRC57	leucine rich repeat	ENSG0000012481403	-0.30247	1.165612	-0.25949
ENSG0000018491	MAP4K3	mitogen-activated protein kinase	ENSG0000017698708	-0.19632	0.756803	-0.25941
ENSG000001101410538	MMP24OS	MMP24 ortholog	ENSG0000011140294	0.413791	1.596845	0.25913
ENSG0000016050	RNH1	ribonuclease H1	ENSG0000014749632	0.229534	0.886076	0.259046
ENSG0000019993	DGCR2	DiGeorge syndrome	ENSG000001582532	-0.21465	0.828661	-0.25903
ENSG0000016102	RP2	RP2, ARL3 binding	ENSG0000011317398	0.382392	1.476712	0.258948
ENSG00000110068	IL18BP	interleukin 18 binding	ENSG0000011488342	0.367541	1.419865	0.258856
ENSG00000154859	ELP6	elongator complex	ENSG000001140493	-0.37982	1.467758	-0.25878
ENSG0000019657	IQCB1	IQ motif containing	ENSG000001140493	-0.37982	1.467758	-0.25878
ENSG00000155644	OSGEP	O-sialoglycoprotein	ENSG000001140493	-0.37982	1.467758	-0.25878
ENSG00000110559	SLC35A1	solute carrier	ENSG0000017481598	-0.50693	1.959604	-0.25869
ENSG00000126048	ZNF500	zinc finger	ENSG0000017481598	-0.50693	1.959604	-0.25869
ENSG0000013191	HNRNPL	heterogeneous nuclear	ENSG0000016867725	-0.20498	0.792594	-0.25862
ENSG00000179641	ROGDI	rogdi homologue	ENSG0000013476464	0.257741	0.997533	0.258379
ENSG00000155192	DNAJC17	DnaJ heat shock	ENSG000001963818	0.439066	1.699516	0.258348
ENSG0000014810	NHS	NHS actin binding	ENSG000001963818	0.439066	1.699516	0.258348
ENSG000001147947	ZNF542P	zinc finger	ENSG0000011496137	0.362734	1.404967	0.25818
ENSG000001220972	MARCH8	membrane associated	ENSG0000017696446	-0.19542	0.757102	-0.25811
ENSG0000014686	NCBP1	nuclear cap protein	ENSG0000015657528	0.215317	0.834585	0.257992
ENSG000001573	BAG1	BCL2 associated	ENSG0000016246279	-0.21306	0.826061	-0.25792
ENSG00000179692	ZNF322	zinc finger	ENSG000001118697	-0.41163	1.596138	-0.25789
ENSG00000157451	TENM2	teneurin transmembrane	ENSG0000014383989	-0.15517	0.601855	-0.25782
ENSG00000164778	FNDC3B	fibronectin type 3	ENSG0000012386414	0.148659	0.5768	0.25773
ENSG0000018576	STK16	serine/threonine kinase	ENSG0000011138659	0.407902	1.583806	0.257545
ENSG000001388815	MIR99AHG	mir-99a-let	ENSG0000012903368	-0.28219	1.096102	-0.25745
ENSG00000193185	IGSF8	immunoglobulin superfamily	ENSG0000011142557	0.405017	1.573672	0.257371
ENSG00000111278	KLF12	Kruppel like factor	ENSG0000016880423	-0.20564	0.79959	-0.25718
ENSG00000189978	DPH6	diphthamir	ENSG0000011835945	-0.34538	1.343628	-0.25705
ENSG000001115752	DIS3L	DIS3 like	ENSG0000015664695	0.215565	0.838781	0.256998
ENSG00000190120	TMEM250	transmembrane	ENSG0000011188605	-0.40812	1.58857	-0.25691

ENSG00000179635	CCDC121	coiled-coil	ENSG000001620951	0.53198	2.070885	0.256885
ENSG00000111157	LSM6	LSM6 hom	ENSG000001620951	0.53198	2.070885	0.256885
ENSG000001116138	KLHDC3	kelch dom	ENSG00000178.65873	0.192086	0.748208	0.256729
ENSG0000013714	JAG2	jagged 2	ENSG0000019.683822	-0.44592	1.736964	-0.25672
ENSG00000164975	MRPL41	mitochond	ENSG00000129.31198	0.278286	1.084293	0.256652
ENSG0000014249	MGAT5	alpha-1,6-r	ENSG000001220.3603	0.14985	0.583977	0.256602
ENSG0000013572	IL6ST	interleukin	ENSG000001483.2734	-0.14208	0.553732	-0.25659
ENSG0000015763	PTMS	parathymo	ENSG00000133.12007	-0.26417	1.030282	-0.2564
ENSG000001988	CDC5L	cell divisio	ENSG00000173.1671	0.196088	0.764871	0.256367
ENSG00000158473	PLEKHB1	pleckstrin l	ENSG0000019.677153	0.435813	1.70026	0.256321
ENSG000001100128252	ZNF667-AS	ZNF667 an	ENSG0000019.677153	0.435813	1.70026	0.256321
ENSG00000123136	EPB41L3	erythrocyt	ENSG00000125.72086	0.285691	1.115944	0.256008
ENSG00000147	ACLY	ATP citrate	ENSG00000168.59302	-0.20221	0.790279	-0.25587
ENSG0000013797	KIF3C	kinesin fan	ENSG0000016.163978	0.536586	2.097105	0.25587
ENSG000001197083			ENSG0000016.163978	0.536586	2.097105	0.25587
ENSG000001195828	ZNF367	zinc finger	ENSG0000016.163978	0.536586	2.097105	0.25587
ENSG0000019665	MARF1	meiosis reğ	ENSG00000195.12356	0.181642	0.709975	0.255843
ENSG00000157605	PITPNM2	phosphatic	ENSG00000130.99579	-0.26812	1.048147	-0.25581
ENSG0000015326	PLAGL2	PLAG1 like	ENSG00000118.33055	-0.33517	1.310272	-0.2558
ENSG00000151068	NMD3	NMD3 ribo	ENSG00000158.52484	0.209745	0.820114	0.255751
ENSG000001197370	NSMCE1	NSE1 hom	ENSG00000111.38032	0.422042	1.650669	0.255679
ENSG00000154149	C21orf91	chromosor	ENSG00000118.54242	0.326047	1.275908	0.255541
ENSG000001255919	CNEP1R1	CTD nuclea	ENSG00000116.77138	0.341332	1.336248	0.255441
ENSG0000014147	MATN2	matrilin 2	ENSG00000148.68656	0.249589	0.977281	0.255392
ENSG0000015664	PSEN2	presenilin	ENSG00000116.15095	-0.35219	1.3801	-0.25519
ENSG0000016576	SLC25A1	solute carr	ENSG00000114.98399	0.356196	1.39662	0.255041
ENSG0000016311	ATXN2	ataxin 2	ENSG00000187.31435	-0.18678	0.732438	-0.25501
ENSG00000179932	KIAA0319L	KIAA0319 l	ENSG000001155.9564	0.159576	0.62636	0.254767
ENSG000001128977	C22orf39	chromosor	ENSG00000145.95127	-0.24008	0.942707	-0.25467
ENSG000001102724316	SVIL-AS1	SVIL antise	ENSG00000122.53386	-0.30429	1.195243	-0.25459
ENSG00000122856	CHSY1	chondroitin	ENSG00000172.72218	-0.1962	0.771083	-0.25445
ENSG00000110735	STAG2	stromal an	ENSG000001109.8337	0.174244	0.685625	0.254139
ENSG0000013843	IPO5	importin 5	ENSG000001176.1683	0.156528	0.615929	0.254133
ENSG00000110552	ARPC1A	actin relat	ENSG00000175.06133	0.192471	0.757674	0.254029
ENSG0000017030	TFE3	transcripti	ENSG00000135.19282	-0.25343	0.997681	-0.25402
ENSG0000012770	GNAI1	G protein s	ENSG00000118.36952	-0.33737	1.328232	-0.254
ENSG00000123511	NUP188	nucleopori	ENSG00000160.39645	0.206155	0.811755	0.253962
ENSG0000018445	DYRK2	dual specif	ENSG00000173.22869	0.194286	0.765318	0.253863
ENSG000001647135	SRGAP2B	SLIT-ROBO	ENSG0000015.234124	-0.59276	2.335118	-0.25385
ENSG000001729234	FAHD2CP	fumarylac	ENSG0000015.234124	-0.59276	2.335118	-0.25385
ENSG00000184812	PLCD4	phospholip	ENSG0000015.234124	-0.59276	2.335118	-0.25385
ENSG000001284440	LINC00663	long interg	ENSG0000015.234124	-0.59276	2.335118	-0.25385
ENSG000001149047	MGC27382	uncharacte	ENSG0000012.812972	0.766633	3.020811	0.253784
ENSG0000012177	FANCD2	FA comple	ENSG0000012.812972	0.766633	3.020811	0.253784
ENSG0000010260918			ENSG0000012.812972	0.766633	3.020811	0.253784
ENSG0000010257802			ENSG0000012.812972	0.766633	3.020811	0.253784
ENSG00000155833	UBAP2	ubiquitin a	ENSG00000160.34478	-0.21486	0.846785	-0.25374

ENSG00000123310	NCAPD3	non-SMC c	ENSG0000012043848	-0.32353	1.27597	-0.25356
ENSG0000019883	POM121	POM121 tr	ENSG0000012885516	-0.27378	1.07997	-0.25351
ENSG00000110618	TGOLN2	trans-golgi	ENSG0000012382374	-0.14775	0.582953	-0.25345
ENSG00000111127	KIF3A	kinesin fan	ENSG000001247914	-0.29955	1.182409	-0.25334
ENSG0000011457	CSNK2A1	casein kina	ENSG0000011099607	0.17357	0.685196	0.253315
ENSG0000016016	RIT1	Ras like wit	ENSG0000013664253	0.245877	0.9708	0.253273
ENSG0000017776	ZNF236	zinc finger	ENSG0000013095682	-0.26676	1.05423	-0.25304
ENSG00000128966	SNX24	sorting nex	ENSG000001139877	-0.37172	1.469374	-0.25298
ENSG0000017565	ZNF17	zinc finger	ENSG000001139877	-0.37172	1.469374	-0.25298
ENSG000001128344	PIFO	primary cil	ENSG0000017458973	-0.49655	1.963863	-0.25284
ENSG00000111000	SLC27A3	solute carr	ENSG0000017458973	-0.49655	1.963863	-0.25284
ENSG0000014255	MGMT	O-6-methy	ENSG0000017458973	-0.49655	1.963863	-0.25284
ENSG0000012259	FGF14	fibroblast g	ENSG0000017951365	0.466861	1.847148	0.252747
ENSG00000110050671C	EBLN3P	endogenol	ENSG0000015394932	-0.215	0.850737	-0.25272
ENSG00000155291	PPP6R3	protein ph	ENSG000001165714	-0.15627	0.619214	-0.25236
ENSG00000150807	ASAP1	ArfGAP wit	ENSG0000011016664	-0.17608	0.697834	-0.25233
ENSG00000163906	GPATCH3	G-patch do	ENSG0000015195151	-0.58662	2.325622	-0.25224
ENSG0000013142	HLX	H2.0 like h	ENSG0000015195151	-0.58662	2.325622	-0.25224
ENSG00000156131	PCDHB4	protocadhe	ENSG0000015195151	-0.58662	2.325622	-0.25224
ENSG000001157489	SDAD1P1	SDA1 dom	ENSG0000015195151	-0.58662	2.325622	-0.25224
ENSG00000179154	DHRS11	dehydroge	ENSG0000015195151	-0.58662	2.325622	-0.25224
ENSG00000111279	KLF8	Kruppel lik	ENSG0000015195151	-0.58662	2.325622	-0.25224
ENSG0000010273015			ENSG000001203914	0.309833	1.228488	0.252207
ENSG0000019732	DOCK4	dedicator c	ENSG0000016642349	-0.20006	0.793251	-0.2522
ENSG00000192609	TIMM50	translocase	ENSG0000013309117	-0.25867	1.026126	-0.25208
ENSG00000151231	VRK3	VRK serine	ENSG0000012396617	0.295294	1.172545	0.251841
ENSG00000125853	DCAF12	DDB1 and (	ENSG0000014398315	0.22821	0.906244	0.251819
ENSG00000127242	TNFRSF21	TNF recept	ENSG000001182526	-0.33103	1.314887	-0.25175
ENSG00000181037	CLPTM1L	CLPTM1 lik	ENSG0000012673716	-0.28316	1.124956	-0.25171
ENSG0000015926	ARID4A	AT-rich int	ENSG0000015484949	0.213155	0.846957	0.251672
ENSG0000019984	THOC1	THO compl	ENSG0000012461288	-0.28975	1.151333	-0.25166
ENSG00000183700	JAM3	junctional ;	ENSG0000014349258	-0.23138	0.92011	-0.25147
ENSG0000019531	BAG3	BCL2 assoc	ENSG0000018997417	-0.19707	0.783877	-0.2514
ENSG00000188745	RRP36	ribosomal	ENSG0000012220141	0.297907	1.185095	0.251378
ENSG0000018604	SLC25A12	solute carr	ENSG0000011542759	0.157323	0.626034	0.2513
ENSG00000165977	PLEKHA3	pleckstrin	ENSG0000016430549	-0.20137	0.801819	-0.25115
ENSG000001153020	RASGEF1B	RasGEF do	ENSG0000011611198	-0.34983	1.39618	-0.25056
ENSG00000157544	TXNDC16	thioredoxin	ENSG0000011611198	-0.34983	1.39618	-0.25056
ENSG000001284370	ZNF615	zinc finger	ENSG0000011611198	-0.34983	1.39618	-0.25056
ENSG0000017072	TIA1	TIA1 cytot	ENSG0000015126844	0.215705	0.860986	0.250532
ENSG00000126225	ARL5A	ADP ribosy	ENSG0000015126844	0.215705	0.860986	0.250532
ENSG0000016606	SMN1	survival of	ENSG0000012851945	0.758456	3.027943	0.250486
ENSG0000010237135			ENSG0000012851945	0.758456	3.027943	0.250486
ENSG000001201229	LYRM9	LYR motif c	ENSG0000012851945	0.758456	3.027943	0.250486
ENSG000001285636	C5orf51	chromosom	ENSG0000013847517	0.239752	0.957903	0.250289
ENSG0000010240132			ENSG0000012886079	-0.77632	3.103494	-0.25014
ENSG000001144699	FBXL14	F-box and	ENSG0000012886079	-0.77632	3.103494	-0.25014

ENSG00000156954	NIT2	nitrilase fa	ENSG00000136720	0.243479	0.973449	0.25012
ENSG00000190993	CREB3L1	cAMP resp	ENSG00000129111	-0.28562	1.142194	-0.25006
ENSG00000128970	C11orf54	chromosom	ENSG00000139318	-0.24234	0.969208	-0.25004
ENSG0000011727	CYB5R3	cytochrom	ENSG00000118440	-0.15328	0.613179	-0.24997
ENSG00000129777	ABT1	activator o	ENSG00000111487	0.393311	1.573954	0.249887
ENSG0000017371	UCK2	uridine-cyt	ENSG00000179123	0.470857	1.884572	0.249848
ENSG0000016885	MAP3K7	mitogen-act	ENSG00000158045	-0.20723	0.829484	-0.24983
ENSG000001928	CD9	CD9 molec	ENSG00000160705	-0.22097	0.884594	-0.2498
ENSG00000124139	EML2	echinoderr	ENSG00000122589	-0.30452	1.219361	-0.24974
ENSG000001100505761	RPARP-AS1	RPARP anti	ENSG00000145161	0.615627	2.46519	0.249728
ENSG00000160490	PPCDC	phosphop	ENSG000001742	-0.4921	1.970961	-0.24967
ENSG0000015271	SERPINB8	serpin fam	ENSG000001742	-0.4921	1.970961	-0.24967
ENSG0000015688	PSMA7	proteasom	ENSG00000167804	0.195252	0.782287	0.249591
ENSG000001339005	WHAMMP	WAS prote	ENSG00000196222	-0.43432	1.740378	-0.24956
ENSG0000015987	TRIM27	tripartite n	ENSG00000132944	0.257677	1.033477	0.24933
ENSG000001146691	TOM1L2	target of m	ENSG00000128234	-0.14888	0.597196	-0.24931
ENSG000001678	ZFP36L2	ZFP36 ring	ENSG00000189182	-0.18275	0.733348	-0.2492
ENSG0000010268205			ENSG00000145577	-0.22912	0.919911	-0.24906
ENSG00000126122	EPC2	enhancer c	ENSG00000149690	-0.21834	0.878651	-0.24849
ENSG0000011386	ATF2	activating t	ENSG00000153101	0.212373	0.85493	0.24841
ENSG0000017059	THBS3	thrombosp	ENSG00000145387	0.590906	2.378848	0.2484
ENSG0000013624	INHBA	inhibin sub	ENSG00000145387	0.590906	2.378848	0.2484
ENSG0000016895	TARBP2	TARBP2, RI	ENSG00000145387	0.590906	2.378848	0.2484
ENSG0000011827	RCAN1	regulator c	ENSG00000156821	0.206043	0.829732	0.248325
ENSG00000179718	TBL1XR1	transducin	ENSG00000118205	0.150821	0.607805	0.248141
ENSG000001152002	XXYLT1	xyloside xy	ENSG00000162255	0.514389	2.073371	0.248093
ENSG000001319085	ITPK1-AS1	ITPK1 antis	ENSG00000162255	0.514389	2.073371	0.248093
ENSG00000125796	PGLS	6-phospho	ENSG00000162255	0.514389	2.073371	0.248093
ENSG000001140838	NANP	N-acetylne	ENSG00000162255	0.514389	2.073371	0.248093
ENSG0000012519	FUCA2	alpha-L-fuc	ENSG00000122084	0.303468	1.22363	0.248006
ENSG0000019525	VPS4B	vacuolar pi	ENSG00000136626	0.244798	0.987406	0.24792
ENSG0000012230	FDX1	ferredoxin	ENSG00000125844	0.275496	1.111841	0.247784
ENSG00000129079	MED4	mediator c	ENSG00000125844	0.275496	1.111841	0.247784
ENSG0000014436	MSH2	mutS hom	ENSG00000118642	0.316939	1.279811	0.247646
ENSG000001114294	LACTB	lactamase	ENSG00000129457	0.266304	1.075568	0.247594
ENSG0000013336	HSPE1	heat shock	ENSG00000197387	0.421857	1.703962	0.247574
ENSG0000016470	SHMT1	serine hyd	ENSG00000120376	-0.31782	1.284028	-0.24752
ENSG00000154439	RBM27	RNA bindir	ENSG00000122449	-0.29572	1.195768	-0.24731
ENSG0000011874	E2F4	E2F transcr	ENSG00000138575	0.235181	0.951128	0.247266
ENSG000001406	ARNTL	aryl hydroc	ENSG00000126805	-0.29101	1.177302	-0.24719
ENSG00000193166	PRDM6	PR/SET dor	ENSG00000127513	0.822409	3.329393	0.247015
ENSG0000013786	KCNQ3	potassium	ENSG00000127513	0.822409	3.329393	0.247015
ENSG0000010278879			ENSG00000127513	0.822409	3.329393	0.247015
ENSG0000014902	NRTN	neurturin	ENSG00000127513	0.822409	3.329393	0.247015
ENSG00000125896	INTS7	integrator	ENSG00000116816	0.329877	1.336252	0.246867
ENSG0000015886	RAD23A	RAD23 hon	ENSG00000178829	-0.18728	0.758817	-0.2468
ENSG0000016137	RPL13	ribosomal	ENSG00000125978	0.15375	0.623637	0.246537

ENSG00000164847	SPATA20	spermatog	ENSG00000149239	49.72339	-0.21728	0.88196	-0.24636
ENSG000001100996492	CTXND1	cortexin dc	ENSG0000011606673	16.06673	-0.34026	1.381526	-0.24629
ENSG0000017064	THOP1	thimet olig	ENSG0000011606673	16.06673	-0.34026	1.381526	-0.24629
ENSG000001344148	NCKAP5	NCK associ	ENSG0000013092791	30.92791	-0.26082	1.059084	-0.24627
ENSG0000015139	PDE3A	phosphodi	ENSG0000016532782	653.2782	0.133089	0.540614	0.246181
ENSG00000123160	WDR43	WD repeat	ENSG0000014398942	43.98942	0.225428	0.916183	0.246051
ENSG0000014594	MUT	methylnal	ENSG0000015380978	53.80978	-0.21101	0.857825	-0.24598
ENSG0000015730	PTGDS	prostaglan	ENSG000001366855	366.855	-0.33822	1.375017	-0.24598
ENSG000001320	APBA1	amyloid be	ENSG0000016264549	6.264549	0.509857	2.073075	0.245942
ENSG000001493	ATP2B4	ATPase pla	ENSG000001383332	383.332	0.133386	0.542449	0.245896
ENSG0000016122	RPL3	ribosomal	ENSG0000011936891	193.6891	-0.16546	0.673946	-0.2455
ENSG00000123064	SETX	senataxin	ENSG0000012061064	206.1064	0.145717	0.593646	0.245461
ENSG0000012956	MSH6	mutS hom	ENSG0000014767105	47.67105	0.217957	0.888033	0.245438
ENSG00000179712	GTDC1	glycosyltra	ENSG0000013497206	34.97206	0.243906	0.994412	0.245277
ENSG0000017551	ZNF3	zinc finger	ENSG0000012464179	24.64179	-0.29682	1.210256	-0.24525
ENSG00000185460	ZNF518B	zinc finger	ENSG0000016424651	64.24651	0.195034	0.795606	0.245139
ENSG0000017675	ZNF121	zinc finger	ENSG0000014969697	49.69697	-0.22021	0.898321	-0.24513
ENSG0000014929	NR4A2	nuclear rec	ENSG0000015172526	5.172526	-0.57172	2.333771	-0.24498
ENSG0000012100	ESR2	estrogen r	ENSG0000015172526	5.172526	-0.57172	2.333771	-0.24498
ENSG0000016619	SNAPC3	small nucle	ENSG0000016015751	60.15751	-0.20403	0.83292	-0.24495
ENSG0000010259972			ENSG0000017397375	7.397375	-0.48161	1.96614	-0.24495
ENSG00000110126	DNAL4	dynein axo	ENSG0000017397375	7.397375	-0.48161	1.96614	-0.24495
ENSG000001440574	MINOS1	mitochond	ENSG0000011176285	11.76285	-0.38896	1.588717	-0.24483
ENSG0000017494	XBP1	X-box bind	ENSG00000178973	78.973	0.182435	0.745575	0.24469
ENSG0000010280355			ENSG0000012847106	2.847106	-0.76571	3.129903	-0.24464
ENSG00000179820	CATSPERB	cation char	ENSG0000012847106	2.847106	-0.76571	3.129903	-0.24464
ENSG000001646	BNC1	basonuclin	ENSG0000012847106	2.847106	-0.76571	3.129903	-0.24464
ENSG000001105371492	LOC105371	uncharacte	ENSG0000012847106	2.847106	-0.76571	3.129903	-0.24464
ENSG00000184798	C19orf48	chromosor	ENSG0000012847106	2.847106	-0.76571	3.129903	-0.24464
ENSG000001170487	ACTL10	actin like 1	ENSG0000012847106	2.847106	-0.76571	3.129903	-0.24464
ENSG00000111274	USP18	ubiquitin s	ENSG0000012847106	2.847106	-0.76571	3.129903	-0.24464
ENSG0000014669	NAGLU	N-acetyl-al	ENSG0000019583251	9.583251	-0.43068	1.76192	-0.24444
ENSG00000122868	FASTKD2	FAST kinas	ENSG0000015691597	56.91597	0.204842	0.838434	0.244316
ENSG00000179974	CPED1	cadherin lil	ENSG0000018693469	86.93469	-0.17953	0.734891	-0.24429
ENSG000001160428	ALDH1L2	aldehyde d	ENSG0000012047562	20.47562	0.298779	1.22336	0.244228
ENSG00000128514	DLL1	delta like c	ENSG000001970017	9.70017	-0.44216	1.811455	-0.24409
ENSG00000179568	MAIP1	matrix AA	ENSG0000019761376	9.761376	0.411373	1.685976	0.243997
ENSG00000110640	EXOC5	exocyst co	ENSG0000018628471	86.28471	0.180584	0.740154	0.243982
ENSG00000179823	CAMKMT	calmodulin	ENSG0000018012963	8.012963	0.449904	1.844105	0.243969
ENSG00000125819	NOCT	nocturnin	ENSG0000018012963	8.012963	0.449904	1.844105	0.243969
ENSG00000151293	CD320	CD320 mol	ENSG0000018012963	8.012963	0.449904	1.844105	0.243969
ENSG0000018863	PER3	period circ	ENSG0000014778796	47.78796	0.214977	0.881218	0.243955
ENSG0000013842	TNPO1	transportir	ENSG000001184111	184.111	0.147276	0.603789	0.243919
ENSG00000184335	AKT1S1	AKT1 subst	ENSG0000012224666	22.24666	0.289549	1.18765	0.2438
ENSG0000019527	GOSR1	golgi SNAP	ENSG0000014595533	45.95533	0.218868	0.898085	0.243705
ENSG0000012963	GTF2F2	general tra	ENSG0000012405667	24.05667	0.280113	1.150029	0.24357
ENSG0000019917	FAM20B	FAM20B, g	ENSG0000011416837	141.6837	0.155955	0.640772	0.243387

ENSG000001729614	FLJ37453	uncharacterized protein	ENSG000001729614	2.87457	0.715694	2.9412	0.243334
ENSG0000019095	TBX19	T-box 19	ENSG0000019095	2.87457	0.715694	2.9412	0.243334
ENSG0000011234	CCR5	C-C motif class 5 member	ENSG0000011234	2.87457	0.715694	2.9412	0.243334
ENSG000001150472	CBWD2	COBWD domain containing 2	ENSG000001150472	2.87457	0.715694	2.9412	0.243334
ENSG000001255189	PLA2G4F	phospholipase A2 group 4F	ENSG000001255189	2.87457	0.715694	2.9412	0.243334
ENSG0000013038	HAS3	hyaluronan synthase 3	ENSG0000013038	2.87457	0.715694	2.9412	0.243334
ENSG0000014622	MYH4	myosin heavy chain 4	ENSG0000014622	2.87457	0.715694	2.9412	0.243334
ENSG000001265542			ENSG000001265542	2.87457	0.715694	2.9412	0.243334
ENSG000001268521			ENSG000001268521	2.87457	0.715694	2.9412	0.243334
ENSG000001133619	PRRC1	proline rich coiled-coil domain containing 1	ENSG000001133619	40.48632	0.227594	0.935951	0.243169
ENSG0000013845	KRAS	KRAS proto-oncogene	ENSG0000013845	36.82732	0.235177	0.96771	0.243024
ENSG000001150678	COPS9	COP9 signalosome component 9	ENSG000001150678	15.10719	0.338568	1.394652	0.242762
ENSG00000110435	CDC42EP2	CDC42 effector 2	ENSG00000110435	13.88713	-0.36092	1.487338	-0.24266
ENSG0000017699	ZNF140	zinc finger protein 140	ENSG0000017699	13.88713	-0.36092	1.487338	-0.24266
ENSG00000158986	TMEM8A	transmembrane protein 8A	ENSG00000158986	11.7465	-0.39242	1.617977	-0.24254
ENSG0000013508	IGHMBP2	immunoglobulin heavy chain binding protein 2	ENSG0000013508	13.90348	-0.35795	1.476279	-0.24247
ENSG00000110322	SMYD5	SMYD family domain containing 5	ENSG00000110322	20.28638	-0.30296	1.249918	-0.24238
ENSG00000151283	BFAR	bifunctional protein	ENSG00000151283	38.67631	0.23064	0.952334	0.242184
ENSG0000012941	GSTA4	glutathione S-transferase A4	ENSG0000012941	11.54876	0.381671	1.576196	0.242147
ENSG00000151491	NOP16	NOP16 nucleolar protein	ENSG00000151491	9.560626	-0.42263	1.745617	-0.24211
ENSG00000184923	FAM104A	family with sequence similarity 104A	ENSG00000184923	9.560626	-0.42263	1.745617	-0.24211
ENSG00000110558	SPTLC1	serine palmitoyltransferase 1	ENSG00000110558	24.55756	-0.28925	1.194967	-0.24205
ENSG0000012627	GATA6	GATA binding protein 6	ENSG0000012627	36.82105	0.238615	0.986005	0.242002
ENSG000001340526	RTL5	retrotransposon insertion	ENSG000001340526	9.722403	0.41477	1.714184	0.241963
ENSG00000155750	AGK	acylglycerol kinase	ENSG00000155750	32.94535	-0.24926	1.030472	-0.24189
ENSG00000122950	SLC4A1AP	solute carrier family 4 member 1 associated protein	ENSG00000122950	27.75464	0.261954	1.084325	0.241583
ENSG00000154505	DHX29	DEAH-box helicase 29	ENSG00000154505	45.38682	-0.21912	0.907453	-0.24147
ENSG0000014799	NFX1	nuclear factor X1	ENSG0000014799	88.97854	-0.17587	0.729038	-0.24123
ENSG00000110447	FAM3C	family with sequence similarity 3C	ENSG00000110447	36.8663	0.233984	0.970027	0.241214
ENSG000001150967	LINC01963	long intergenic non-coding RNA 1963	ENSG000001150967	5.133553	-0.56555	2.345153	-0.24116
ENSG000001155400	NSUN5P1	NOP2/Sun family class 5 protein 1	ENSG000001155400	5.133553	-0.56555	2.345153	-0.24116
ENSG0000017517	XRCC3	X-ray repair cross-complementing 3	ENSG0000017517	5.133553	-0.56555	2.345153	-0.24116
ENSG00000184662	GLIS2	GLIS family zinc finger 2	ENSG00000184662	5.133553	-0.56555	2.345153	-0.24116
ENSG00000190410	IFT20	intraflagellar transport 20	ENSG00000190410	5.133553	-0.56555	2.345153	-0.24116
ENSG00000151588	PIAS4	protein inhibitor of activated STAT 4	ENSG00000151588	5.133553	-0.56555	2.345153	-0.24116
ENSG00000127143	PALD1	phosphatidylesterase domain containing 1	ENSG00000127143	13.3198	0.354832	1.471603	0.241119
ENSG00000111253	MAN1B1	mannosidase 1B1	ENSG00000111253	32.8674	-0.24667	1.023171	-0.24108
ENSG00000122800	RRAS2	RAS related protein 2	ENSG00000122800	20.5146	0.296903	1.231613	0.241069
ENSG00000184458	LCOR	ligand dependent corepressor	ENSG00000184458	95.65531	0.169983	0.705331	0.240997
ENSG000001149041	RC3H1	ring finger protein 3H1	ENSG000001149041	109.5124	-0.16474	0.68443	-0.24069
ENSG00000123028	KDM1A	lysine demethylase 1A	ENSG00000123028	77.24093	0.181508	0.754394	0.240601
ENSG0000014857	NOVA1	NOVA alternative splicing factor 1	ENSG0000014857	7.358402	-0.47708	1.985538	-0.24028
ENSG00000151095	TRNT1	tRNA nucleotidyltransferase 1	ENSG00000151095	18.12941	-0.31834	1.326425	-0.24
ENSG0000016504	SLAMF1	signaling lymphocyte activation molecule 1	ENSG0000016504	2.931329	-0.82399	3.433322	-0.24
ENSG00000151540	SCLY	selenocysteine lyase	ENSG00000151540	2.931329	-0.82399	3.433322	-0.24
ENSG0000019975	NR1D2	nuclear receptor 1D2	ENSG0000019975	109.623	-0.16558	0.689999	-0.23997
ENSG00000164332	NFKBIZ	NF-kappa-B inhibitor 2	ENSG00000164332	47.57897	-0.22282	0.928615	-0.23995

ENSG00000151379	CRLF3	cytokine re	ENSG00000120.49825	0.294209	1.226284	0.239919
ENSG000001768211	RELL1	RELT like 1	ENSG00000134.73823	0.252071	1.051869	0.239641
ENSG0000017156	TOP3A	DNA topoi	ENSG00000122.30826	0.28365	1.183985	0.239572
ENSG0000014824	NKX3-1	NK3 home	ENSG0000016.287174	0.492588	2.056411	0.239538
ENSG000001129642	MBOAT2	membrane	ENSG00000136.88892	0.231627	0.96727	0.239465
ENSG000001140606	SELENOM	selenoprot	ENSG00000118.15203	-0.32239	1.346748	-0.23938
ENSG00000183483	PLVAP	plasmalem	ENSG00000120.6748	-0.35006	1.462399	-0.23937
ENSG00000125871	NEPRO	nucleolus a	ENSG00000147.87219	0.210484	0.879341	0.239366
ENSG0000014783	NFIL3	nuclear fac	ENSG00000147.75527	0.21349	0.892304	0.239257
ENSG00000155745	AP5M1	adaptor rel	ENSG00000151.43689	0.207405	0.866939	0.239239
ENSG00000123466	CBX6	chromobo	ENSG00000158.87808	0.195786	0.818597	0.239173
ENSG0000019318	COPS2	COP9 signa	ENSG00000186.40791	0.177508	0.742726	0.238995
ENSG00000190459	ERI1	exoribonuc	ENSG00000113.28083	0.357573	1.497838	0.238726
ENSG0000013815	KIT	KIT proto-c	ENSG0000015.156178	-0.57953	2.427634	-0.23872
ENSG0000017296	TXNRD1	thioredoxin	ENSG000001211.9363	0.143244	0.600116	0.238695
ENSG00000125820	ARIH1	ariadne RB	ENSG000001119.7172	0.159189	0.667217	0.238586
ENSG0000012875	GPT	glutamic--p	ENSG00000111.57139	0.373021	1.56404	0.238498
ENSG000001643836	ZFP62	ZFP62 zinc	ENSG00000126.54609	-0.26586	1.114796	-0.23848
ENSG000001221078	NSUN6	NOP2/Sun	ENSG00000115.12981	0.33214	1.39272	0.238483
ENSG00000192002	CCNQ	cyclin Q	ENSG00000115.12981	0.33214	1.39272	0.238483
ENSG00000122863	ATG14	autophagy	ENSG00000149.48328	-0.20964	0.879394	-0.23839
ENSG0000018481	OFD1	OFD1, cent	ENSG00000120.45928	0.296187	1.244822	0.237935
ENSG000001374969	SVBP	small vasol	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG00000180235	PIGZ	phosphatic	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG0000010229226			ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG00000184547	PGBD1	piggyBac tr	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG00000155166	CENPQ	centromer	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG00000110013089C	TSTD3	thiosulfate	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG0000018989	TRPA1	transient r	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG00000164768	IPPK	inositol-pe	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG0000011111	CHEK1	checkpoint	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG0000018938	BAIAP3	BAI1 assoc	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG000001146556	C16orf89	chromosor	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG000001333929	SNAI3	snail famil	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG00000179822	ARHGAP28	Rho GTPas	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG0000010238102			ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG00000110893	MMP24	matrix met	ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG0000010234869			ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG0000010210140			ENSG0000012.824481	-0.73918	3.109116	-0.23775
ENSG00000122807	IKZF2	IKAROS far	ENSG00000120.26376	-0.29917	1.258781	-0.23767
ENSG0000012907	GRINA	glutamate	ENSG00000151.53746	0.203897	0.859023	0.23736
ENSG0000019332	CD163	CD163 mol	ENSG000001295.2352	0.601007	2.533639	0.237211
ENSG0000016385	SDC4	syndecan 4	ENSG00000190.24162	0.170646	0.720103	0.236975
ENSG00000155701	ARHGEF40	Rho guanir	ENSG00000142.40318	0.217686	0.918856	0.23691
ENSG00000123649	POLA2	DNA polyn	ENSG00000113.84188	-0.34972	1.476439	-0.23686
ENSG00000122875	ENPP4	ectonucleo	ENSG00000166.03128	-0.18805	0.794338	-0.23674
ENSG000001392617	ELFN1	extracellul	ENSG0000017.335777	-0.46654	1.971086	-0.23669

ENSG00000184671	ZNF347	zinc finger	ENSG00000134843	-0.2366	0.999633	-0.23669
ENSG00000160314	C12orf10	chromosom	ENSG00000195380	-0.41442	1.751017	-0.23668
ENSG00000151174	TUBD1	tubulin del	ENSG00000195380	-0.41442	1.751017	-0.23668
ENSG000001984	CDK11B	cyclin depe	ENSG00000115982	-0.32823	1.387936	-0.23649
ENSG000001126792	B3GALT6	beta-1,3-ga	ENSG00000180355	0.436865	1.84773	0.236433
ENSG00000179819	WDR78	WD repeat	ENSG00000180355	0.436865	1.84773	0.236433
ENSG00000153616	ADAM22	ADAM met	ENSG00000180355	0.436865	1.84773	0.236433
ENSG00000122229	LRWD1	leucine ric	ENSG00000180355	0.436865	1.84773	0.236433
ENSG000001857	CAV1	caveolin 1	ENSG00000137455	0.132007	0.558514	0.236355
ENSG0000011063	CENPF	centromer	ENSG00000146035	0.560522	2.372018	0.236306
ENSG000001100506881	MKLN1-AS	MKLN1 ant	ENSG00000146035	0.560522	2.372018	0.236306
ENSG00000180007	C10orf88	chromosom	ENSG00000146035	0.560522	2.372018	0.236306
ENSG00000126094	DCAF4	DDB1 and	ENSG00000146035	0.560522	2.372018	0.236306
ENSG000001100506325	SP2-AS1	SP2 antiser	ENSG00000146035	0.560522	2.372018	0.236306
ENSG00000122894	DIS3	DIS3 homo	ENSG00000155658	-0.19915	0.843302	-0.23616
ENSG00000123107	MRPS27	mitochond	ENSG00000111408	0.163934	0.694407	0.236078
ENSG00000123762	OSBP2	oxysterol b	ENSG00000116956	0.317646	1.345526	0.236076
ENSG0000013295	HSD17B4	hydroxyste	ENSG00000116099	-0.14862	0.629595	-0.23606
ENSG00000110960	LMAN2	lectin, man	ENSG00000129570	0.251282	1.064652	0.236023
ENSG000001842	CASP9	caspase 9	ENSG00000113880	-0.35241	1.49323	-0.23601
ENSG00000157213	SPRYD7	SPRY doma	ENSG00000113880	-0.35241	1.49323	-0.23601
ENSG0000013098	HK1	hexokinase	ENSG00000127340	0.132734	0.562509	0.235967
ENSG0000019652	TTC37	tetratricop	ENSG00000114755	0.14937	0.633247	0.23588
ENSG00000179600	TCTN1	tectonic fa	ENSG00000118749	0.299765	1.271148	0.235823
ENSG00000184861	KLHL22	kelch like f	ENSG00000113825	-0.35266	1.496024	-0.23573
ENSG0000015562	PRKAA1	protein kin	ENSG00000180490	-0.17754	0.753239	-0.2357
ENSG0000017110	TMF1	TATA elem	ENSG00000153370	0.200982	0.852701	0.2357
ENSG0000015519	PPP2R1B	protein ph	ENSG00000120185	-0.29535	1.253171	-0.23568
ENSG0000014060	LUM	lumican	ENSG00000111552	-0.15951	0.677031	-0.23561
ENSG0000010272235			ENSG00000151109	-0.55044	2.337281	-0.2355
ENSG0000010250159			ENSG00000151109	-0.55044	2.337281	-0.2355
ENSG000001285958	SNHG15	small nucle	ENSG00000151109	-0.55044	2.337281	-0.2355
ENSG0000018559	PRPF18	pre-mRNA	ENSG00000151109	-0.55044	2.337281	-0.2355
ENSG0000010250899			ENSG00000151109	-0.55044	2.337281	-0.2355
ENSG00000155201	MAP1S	microtubul	ENSG00000151109	-0.55044	2.337281	-0.2355
ENSG000001284325	C19orf54	chromosom	ENSG00000151109	-0.55044	2.337281	-0.2355
ENSG00000155217	TMLHE	trimethylly	ENSG00000122363	0.284136	1.207418	0.235325
ENSG00000154855	TENT5C	terminal n	ENSG00000153441	0.201295	0.855647	0.235255
ENSG00000158508	KMT2C	lysine met	ENSG00000136416	-0.12737	0.541457	-0.23523
ENSG0000014905	NSF	N-ethylmal	ENSG00000122369	0.277779	1.1809	0.235226
ENSG0000018882	ZPR1	ZPR1 zinc f	ENSG00000127838	0.254	1.079844	0.235219
ENSG000001171017	ZNF384	zinc finger	ENSG00000115943	-0.32593	1.386027	-0.23516
ENSG0000012060	EPS15	epidermal	ENSG00000116236	0.145588	0.619137	0.235147
ENSG000001537	ATP6AP1	ATPase H+	ENSG00000147342	-0.21039	0.895021	-0.23507
ENSG00000154539	NDUFB11	NADH:ubic	ENSG00000147475	-0.21279	0.905242	-0.23506
ENSG000001145508	CEP128	centrosom	ENSG00000113381	0.344921	1.467764	0.234998
ENSG00000123295	MGRN1	mahogunir	ENSG00000133291	0.236471	1.006752	0.234885



ENSG0000016730	SRP68	signal reco	ENSG00000153.55711	-0.20027	0.853047	-0.23477
ENSG0000014869	NPM1	nucleopho	ENSG000001208.1201	0.143075	0.609572	0.234713
ENSG00000184230	LRR8C	leucine ric	ENSG00000141.10557	-0.22185	0.945474	-0.23465
ENSG0000014736	RPL10A	ribosomal	ENSG000001185.6607	0.149332	0.636861	0.234481
ENSG00000184910	TMEM87B	transmeml	ENSG00000131.34197	0.247729	1.05656	0.234467
ENSG00000155299	BRIX1	BRX1, biog	ENSG0000019.499028	-0.41085	1.752776	-0.2344
ENSG00000123732	FRRS1L	ferric chela	ENSG0000019.499028	-0.41085	1.752776	-0.2344
ENSG000001553103	MIR3936H	MIR3936 h	ENSG0000016.326147	0.487935	2.081866	0.234374
ENSG000001381	ARF5	ADP ribosy	ENSG00000118.78881	0.297796	1.271719	0.234168
ENSG000001115572	TENT5B	terminal n	ENSG00000124.21884	0.267612	1.142875	0.234157
ENSG00000192906	HNRNPLL	heterogen	ENSG00000124.21884	0.267612	1.142875	0.234157
ENSG00000110013	HDAC6	histone de	ENSG00000136.94123	-0.22882	0.977773	-0.23402
ENSG00000126515	TIMM10B	translocase	ENSG00000131.48151	0.240691	1.028787	0.233956
ENSG00000154414	SIAE	sialic acid	ENSG00000168.24357	-0.18845	0.805684	-0.2339
ENSG000001152485	ZNF827	zinc finger	ENSG00000139.05923	-0.22495	0.961797	-0.23389
ENSG0000014750	NEK1	NIMA relat	ENSG00000139.05923	-0.22495	0.961797	-0.23389
ENSG00000157337	SENP7	SUMO spe	ENSG00000142.4585	0.217496	0.929974	0.233874
ENSG00000110809	STARD10	StAR relate	ENSG00000120.59882	0.285978	1.222919	0.233849
ENSG00000158488	PCTP	phosphatic	ENSG00000120.59882	0.285978	1.222919	0.233849
ENSG00000184236	RHBDD1	rhomboid	ENSG00000131.45261	0.247583	1.0589	0.233811
ENSG0000011889	ECE1	endothelin	ENSG000001130.099	-0.15571	0.66619	-0.23374
ENSG00000151520	LARS	leucyl-tRN	ENSG000001131.9606	-0.15267	0.653274	-0.23371
ENSG0000011997	ELF1	E74 like ET	ENSG00000179.18669	0.175197	0.750321	0.233496
ENSG00000165084	TMEM135	transmeml	ENSG00000120.20216	-0.29342	1.257014	-0.23342
ENSG00000189801	PPP1R3F	protein ph	ENSG00000120.20216	-0.29342	1.257014	-0.23342
ENSG00000110421	CD2BP2	CD2 cytopl	ENSG00000145.25735	-0.2116	0.906628	-0.23339
ENSG00000180852	GRIP2	glutamate	ENSG00000128.64147	-0.25507	1.093102	-0.23335
ENSG0000019679	FAM53B	family with	ENSG00000147.90488	0.211811	0.907805	0.233322
ENSG0000015530	PPP3CA	protein ph	ENSG00000146.06845	0.209753	0.899891	0.233087
ENSG00000125924	MYRIP	myosin VII	ENSG0000014.561386	0.566557	2.432916	0.232871
ENSG0000010235945			ENSG0000014.561386	0.566557	2.432916	0.232871
ENSG000001642517	AGAP9	ArfGAP wit	ENSG0000014.561386	0.566557	2.432916	0.232871
ENSG000001745	MYRF	myelin reg	ENSG0000014.561386	0.566557	2.432916	0.232871
ENSG00000154516	MTRF1L	mitochond	ENSG00000115.19141	0.323444	1.389354	0.232802
ENSG00000151067	YARS2	tyrosyl-tRN	ENSG00000111.67863	-0.37261	1.601262	-0.2327
ENSG000001100507459	NRSN2-AS	NRSN2 ant	ENSG00000111.67863	-0.37261	1.601262	-0.2327
ENSG0000016480	ST6GAL1	ST6 beta-g	ENSG000001118.1146	0.155163	0.669457	0.231775
ENSG00000123019	CNOT1	CCR4-NOT	ENSG000001197.5718	-0.13819	0.596993	-0.23147
ENSG00000181562	LMAN2L	lectin, man	ENSG00000115.92091	-0.32102	1.387734	-0.23133
ENSG00000123141	ANKLE2	ankyrin re	ENSG00000159.06287	0.189126	0.818156	0.231162
ENSG00000151057	WDPCP	WD repeat	ENSG00000126.01251	0.258424	1.118105	0.231127
ENSG0000012534	FYN	FYN proto-	ENSG00000147.25843	-0.20632	0.893172	-0.23099
ENSG0000015768	QSOX1	quiescin su	ENSG00000182.43346	-0.17146	0.742255	-0.23099
ENSG0000015463	POU6F1	POU class	ENSG00000115.90456	-0.32356	1.400916	-0.23096
ENSG0000011846	DUSP4	dual specif	ENSG0000016.248202	0.498271	2.159655	0.230718
ENSG0000016416	MAP2K4	mitogen-ac	ENSG00000142.52638	0.211535	0.91748	0.23056
ENSG00000155638	SYBU	syntabulin	ENSG0000017.296804	-0.46187	2.00338	-0.23055

ENSG0000010484	SEC23A	Sec23 hom	ENSG00000115.5458	-0.15807	0.686031	-0.23041
ENSG0000010420	TESK2	testis asso	ENSG0000016.348772	0.471129	2.045526	0.230321
ENSG00000179770	TXNDC15	thioredoxin	ENSG00000166.41983	0.183849	0.799125	0.230063
ENSG000001132660	LIN54	lin-54 DRE	ENSG00000122.4478	0.274256	1.192705	0.229945
ENSG000001128272	ARHGEF19	Rho guanir	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000010250461			ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG000001346157	ZNF391	zinc finger	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG00000109	NAT1	N-acetyltra	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000017225	TRPC6	transient r	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000014604	MYBPC1	myosin bin	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000010261072			ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG00000184206	MEX3B	mex-3 RNA	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000010231595			ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG000001116238	TLCD1	TLC domain	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG00000110230	NBR2	neighbor o	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000010265413			ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000010279203			ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG000001284408	ZNF790-AS	ZNF790 an	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG000001770	CA11	carbonic ar	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG000001434	ASIP	agouti sign	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000014675	NAP1L3	nucleosom	ENSG0000012.936168	0.666784	2.901664	0.229794
ENSG0000019194	SLC16A7	solute carr	ENSG000001343.2544	-0.12582	0.547568	-0.22979
ENSG000001728558	ENTPD1-AS	ENTPD1 an	ENSG0000019.476403	-0.40256	1.751888	-0.22979
ENSG0000012077	ERF	ETS2 repre	ENSG0000019.476403	-0.40256	1.751888	-0.22979
ENSG0000017764	ZNF217	zinc finger	ENSG00000140.67739	0.214814	0.934927	0.229766
ENSG000001729920	ISPD	isoprenoid	ENSG00000115.23038	0.3211	1.39761	0.22975
ENSG000001157378	TMEM65	transmembr	ENSG000001188.3671	0.141201	0.614806	0.229668
ENSG00000157462	MYORG	myogenesi	ENSG00000111.7176	-0.37598	1.637202	-0.22965
ENSG00000156893	UBQLN4	ubiquilin 4	ENSG00000137.02847	0.225615	0.982532	0.229626
ENSG00000184365	NIFK	nucleolar p	ENSG0000019.845599	0.387389	1.687225	0.229601
ENSG0000015985	RFC5	replication	ENSG0000019.845599	0.387389	1.687225	0.229601
ENSG0000018906	AP1G2	adaptor rel	ENSG0000015.071955	-0.5441	2.371251	-0.22946
ENSG0000010279652			ENSG0000015.071955	-0.5441	2.371251	-0.22946
ENSG00000127236	ARFIP1	ADP ribosy	ENSG00000122.42518	0.278179	1.212533	0.229419
ENSG0000019601	PDIA4	protein dis	ENSG00000130.61993	-0.24165	1.053582	-0.22936
ENSG0000016541	SLC7A1	solute carr	ENSG00000130.61993	-0.24165	1.053582	-0.22936
ENSG0000013157	HMGCS1	3-hydroxy-	ENSG00000124.28044	0.262208	1.143287	0.229346
ENSG00000155506	H2AFY2	H2A histon	ENSG0000019.861947	0.394156	1.719534	0.229223
ENSG0000016590	SLPI	secretory l	ENSG0000014.43819	0.632266	2.759003	0.229165
ENSG00000123632	CA14	carbonic ar	ENSG0000017.313152	-0.45587	1.989354	-0.22915
ENSG0000015554	PRH1	proline ric	ENSG0000017.313152	-0.45587	1.989354	-0.22915
ENSG00000151000	SLC35B3	solute carr	ENSG0000018.097186	0.420231	1.835961	0.228889
ENSG00000184752	B3GNT9	UDP-GlcNA	ENSG0000018.097186	0.420231	1.835961	0.228889
ENSG000001140576	S100A16	S100 calciu	ENSG00000117.04039	0.304354	1.329995	0.228838
ENSG000001192286	HIGD2A	HIG1 hypo	ENSG00000131.46517	0.239333	1.046672	0.228661
ENSG00000123082	PPRC1	peroxisom	ENSG00000131.46517	0.239333	1.046672	0.228661
ENSG00000154517	PUS7	pseudouric	ENSG00000113.76393	-0.34433	1.505932	-0.22865

ENSG0000013074	HEXB	hexosamin	ENSG00000156895	56.89583	0.200161	0.875579	0.228604
ENSG0000018694	DGAT1	diacylglyce	ENSG00000122032	22.20324	-0.2749	1.203907	-0.22834
ENSG00000157693	ZNF317	zinc finger	ENSG00000122032	22.20324	-0.2749	1.203907	-0.22834
ENSG00000155328	RNLS	renalase, F	ENSG00000195153	9.515376	-0.40636	1.779697	-0.22833
ENSG000001121227	LRIG3	leucine ricl	ENSG00000115949	15.94981	-0.33261	1.457023	-0.22828
ENSG0000014798	NFRKB	nuclear fac	ENSG00000127884	27.88412	0.247563	1.084499	0.228274
ENSG00000151569	UFM1	ubiquitin f	ENSG00000149275	49.27586	-0.20089	0.880165	-0.22824
ENSG00000184277	DNAJC30	DnaJ heat s	ENSG00000179966	7.996615	0.441717	1.935414	0.228229
ENSG000001606495	CYB5RL	cytochrom	ENSG00000172741	7.274179	-0.45131	1.978811	-0.22807
ENSG00000184279	PRADC1	protease a	ENSG00000134816	34.81695	-0.23013	1.00936	-0.22799
ENSG00000151322	WAC	WW doma	ENSG00000116249	162.491	-0.14161	0.621314	-0.22792
ENSG00000123034	SAMD4A	sterile alph	ENSG00000130431	304.3173	-0.128	0.56254	-0.22754
ENSG0000019169	SCAF11	SR-related	ENSG00000124061	240.6125	0.130804	0.575529	0.227276
ENSG00000180018	NAA25	N(alpha)-a	ENSG00000141005	41.005	-0.2178	0.958352	-0.22726
ENSG00000123556	PIGN	phosphatic	ENSG00000135263	35.2637	0.224029	0.98661	0.22707
ENSG00000122874	PLEKHA6	pleckstrin l	ENSG00000155436	55.43657	0.192869	0.849876	0.226937
ENSG0000018310	ACOX3	acyl-CoA o	ENSG00000115214	15.21404	0.31714	1.397725	0.226897
ENSG0000010280383			ENSG00000115214	15.21404	0.31714	1.397725	0.226897
ENSG00000164764	CREB3L2	cAMP resp	ENSG00000186609	86.60905	0.172999	0.762468	0.226894
ENSG000001492311	IGIP	IgA inducin	ENSG00000124264	24.26409	0.26009	1.147469	0.226664
ENSG0000016810	STX4	syntaxin 4	ENSG00000124264	24.26409	0.26009	1.147469	0.226664
ENSG00000191687	CENPL	centromer	ENSG00000127855	2.785508	-0.7279	3.213446	-0.22652
ENSG0000010256981			ENSG00000127855	2.785508	-0.7279	3.213446	-0.22652
ENSG00000191948	LINC00923	long interg	ENSG00000127855	2.785508	-0.7279	3.213446	-0.22652
ENSG0000012246	FGF1	fibroblast f	ENSG00000166329	66.32933	0.188344	0.831499	0.226511
ENSG0000018910	SGCE	sarcoglyca	ENSG00000116923	16.92348	0.311234	1.374226	0.226479
ENSG00000154545	MTMR12	myotubula	ENSG00000134722	34.72266	-0.22855	1.0094	-0.22642
ENSG00000184680	ACCS	1-aminocy	ENSG00000194374	9.43743	-0.39895	1.761992	-0.22642
ENSG0000010260604			ENSG00000118301	18.30165	-0.32633	1.442119	-0.22629
ENSG000001969	CD69	CD69 mole	ENSG00000152404	5.240401	-0.61134	2.702243	-0.22623
ENSG00000123	ABCF1	ATP bindin	ENSG00000157507	57.50775	-0.18808	0.831842	-0.2261
ENSG00000110260	DENND4A	DENN dom	ENSG00000165943	65.94326	-0.188	0.831725	-0.22604
ENSG000001402	ARL2	ADP ribosy	ENSG00000111671	11.67196	0.358549	1.58662	0.225983
ENSG00000110056	FARSB	phenylalan	ENSG00000135247	35.24736	0.222791	0.986533	0.225833
ENSG000001221079	ARL5B	ADP ribosy	ENSG00000135247	35.24736	0.222791	0.986533	0.225833
ENSG00000155238	SLC38A7	solute carr	ENSG00000130558	30.55833	-0.2378	1.053411	-0.22574
ENSG0000018029	CUBN	cubilin	ENSG00000163097	6.309799	0.476157	2.109801	0.225688
ENSG0000017586	ZKSCAN1	zinc finger	ENSG00000112135	121.358	-0.15046	0.666657	-0.22569
ENSG0000019735	KNTC1	kinetochor	ENSG00000118873	18.87303	0.285824	1.266608	0.225661
ENSG00000179042	TSEN34	tRNA splici	ENSG00000111555	11.55504	0.368005	1.631415	0.225574
ENSG000001140688	NOL4L	nucleolar p	ENSG00000111655	11.65561	0.353055	1.565667	0.225498
ENSG00000179017	GGCT	gamma-glu	ENSG00000150493	5.04933	-0.52888	2.345517	-0.22549
ENSG0000017589	ZSCAN21	zinc finger	ENSG00000150493	5.04933	-0.52888	2.345517	-0.22549
ENSG0000012315	MLANA	melan-A	ENSG00000150493	5.04933	-0.52888	2.345517	-0.22549
ENSG0000011408	CRY2	cryptochro	ENSG00000113085	130.8583	-0.16653	0.738941	-0.22537
ENSG00000126277	TINF2	TERF1 inte	ENSG00000138928	38.92898	0.213873	0.949364	0.22528
ENSG00000123204	ARL6IP1	ADP ribosy	ENSG00000135208	35.20838	0.224066	0.995338	0.225116

ENSG00000184287	ZDHC16	zinc finger	ENSG00000120.06262	-0.28382	1.260794	-0.22511
ENSG00000163920	ZBED8	zinc finger	ENSG0000014.622984	0.536349	2.38543	0.224844
ENSG00000125786	DGCR11	DiGeorge s	ENSG0000014.622984	0.536349	2.38543	0.224844
ENSG0000016839	SUV39H1	suppressor	ENSG0000014.622984	0.536349	2.38543	0.224844
ENSG000001170506	DHX36	DEAH-box	ENSG00000165.81758	-0.18007	0.801109	-0.22477
ENSG00000151592	TRIM33	tripartite r	ENSG00000179.51103	0.167219	0.744314	0.224662
ENSG000001267	AMFR	autocrine r	ENSG000001103.5402	0.155101	0.690689	0.224559
ENSG0000015937	RBMS1	RNA bindir	ENSG000001143.9608	-0.14582	0.649666	-0.22446
ENSG0000013899	AFF3	AF4/FMR2	ENSG00000111.69458	0.350214	1.5609	0.224366
ENSG00000110244	RABEPK	Rab9 effec	ENSG00000111.69458	0.350214	1.5609	0.224366
ENSG000001253558	LCLAT1	lysocardiol	ENSG00000146.21427	0.202301	0.901877	0.224311
ENSG00000184958	SYTL1	synaptotag	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG00000129089	UBE2T	ubiquitin c	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG00000155888	ZKSCAN7	zinc finger	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG0000010240695			ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG0000017993	UBXN8	UBX domai	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG00000180036	TRPM3	transient r	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG0000010261534			ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG00000110534	SSSCA1	Sjogren syr	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG000001649946	RPL23AP6	ribosomal	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG00000123329	TBC1D30	TBC1 doma	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG0000010261997			ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG0000010279668			ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG00000129893	PSMC3IP	PSMC3 inte	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG0000010267682			ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG00000110192772C	ZNF793-AS	ZNF793 an	ENSG0000012.762883	-0.7012	3.127635	-0.2242
ENSG0000019472	AKAP6	A-kinase ar	ENSG000001518.4146	-0.13125	0.585775	-0.22407
ENSG0000015634	PRPS2	phosphorik	ENSG0000019.806627	0.391287	1.746749	0.224009
ENSG00000191977	MYOZ3	myozenin 3	ENSG0000015.088303	-0.53547	2.391729	-0.22388
ENSG00000180313	LRRC27	leucine ric	ENSG0000015.088303	-0.53547	2.391729	-0.22388
ENSG000001283219	KCTD21	potassium	ENSG0000015.088303	-0.53547	2.391729	-0.22388
ENSG0000010280069			ENSG0000015.088303	-0.53547	2.391729	-0.22388
ENSG000001221092	HNRNPUL2	heterogen	ENSG00000133.47632	0.224746	1.004101	0.223828
ENSG000001375035	SFT2D2	SFT2 doma	ENSG00000178.23264	-0.17496	0.782189	-0.22368
ENSG0000011953	MEGF6	multiple E	ENSG0000018.058213	0.4246	1.898421	0.223659
ENSG00000110125	RASGRP1	RAS guanyl	ENSG0000018.058213	0.4246	1.898421	0.223659
ENSG00000123476	BRD4	bromodorr	ENSG00000196.65225	-0.16094	0.720125	-0.22349
ENSG00000154853	WDR55	WD repeat	ENSG00000115.82034	-0.31145	1.394045	-0.22342
ENSG000001101929243	LOC101925	uncharacte	ENSG0000014.661957	0.530608	2.375034	0.223411
ENSG00000163892	THADA	THADA, arr	ENSG00000151.27694	-0.19635	0.879179	-0.22334
ENSG0000019538	EI24	EI24, auto	ENSG00000140.89815	-0.21135	0.94635	-0.22333
ENSG000001595	CCND1	cyclin D1	ENSG000001156.6339	-0.17253	0.773029	-0.22319
ENSG0000010281195			ENSG00000113.46562	0.327829	1.469612	0.223072
ENSG00000150618	ITSN2	intersectin	ENSG000001110.9465	-0.15186	0.681089	-0.22296
ENSG00000151148	CERCAM	cerebral er	ENSG0000019.907197	0.373933	1.678308	0.222804
ENSG00000155905	RNF114	ring finger	ENSG00000147.12896	-0.19909	0.893612	-0.22279
ENSG0000017267	TTC3	tetratricop	ENSG000001168.3975	-0.13735	0.616525	-0.22278

ENSG00000154665	RSBN1	round sper	ENSG00000136740	0.22001	0.988155	-0.22265
ENSG0000019488	PIGB	phosphatic	ENSG00000194805	-0.39062	1.754608	-0.22262
ENSG00000126472	PPP1R14B	protein ph	ENSG00000128013	0.243082	1.09219	0.222564
ENSG00000110241	CALCOCO2	calcium bir	ENSG000001313061	0.125327	0.56313	0.222554
ENSG00000185407	NKD1	naked cutic	ENSG000001509458	-0.55751	2.507623	-0.22233
ENSG0000010421	ARVCF	ARVCF, del	ENSG0000019453778	-0.39433	1.773693	-0.22232
ENSG0000015654	HTRA1	HtrA serine	ENSG0000014922054	-0.20036	0.901756	-0.22219
ENSG0000019877	ZC3H11A	zinc finger	ENSG0000013260466	-0.23314	1.049905	-0.22206
ENSG00000125793	FBXO7	F-box prot	ENSG0000016661718	0.174748	0.78752	0.221897
ENSG000001135112	NCOA7	nuclear rec	ENSG0000014249368	0.2099	0.94633	0.221804
ENSG0000019899	SV2B	synaptic ve	ENSG0000011527563	0.30851	1.391332	0.221737
ENSG0000013035	HARS	histidyl-tr	ENSG0000013255941	-0.22863	1.031568	-0.22164
ENSG00000164753	CCDC136	coiled-coil	ENSG0000017251554	-0.44046	1.987526	-0.22161
ENSG0000011871	E2F3	E2F transcr	ENSG0000012255465	0.260315	1.176041	0.221349
ENSG0000010639	PRDM1	PR/SET dor	ENSG0000011161664	0.356357	1.610471	0.221275
ENSG00000154497	HEATR5B	HEAT repe	ENSG0000016293556	0.177508	0.802642	0.221154
ENSG00000183786	FRMD8	FERM dom	ENSG0000011889566	0.280866	1.270525	0.221063
ENSG0000019701	PPP6R2	protein ph	ENSG0000016289659	0.178325	0.806786	0.221031
ENSG00000184818	IL17RC	interleukin	ENSG0000011531461	0.306199	1.386343	0.220868
ENSG0000015889	RAD51C	RAD51 par	ENSG0000011531461	0.306199	1.386343	0.220868
ENSG00000155236	UBA6	ubiquitin li	ENSG0000014499461	-0.20164	0.913016	-0.22085
ENSG0000019686	VGLL4	vestigial lik	ENSG0000012074464	0.268802	1.217735	0.220739
ENSG0000014173	MCM4	minichrom	ENSG0000012074464	0.268802	1.217735	0.220739
ENSG0000013189	HNRNPH3	heterogen	ENSG0000015560096	-0.19328	0.875934	-0.22066
ENSG000001140465	MYL6B	myosin lig	ENSG0000011155543	-0.35298	1.600134	-0.22059
ENSG00000156606	SLC2A9	solute carr	ENSG000001641037	0.449958	2.040058	0.220562
ENSG00000160370	AVPI1	arginine va	ENSG000001641037	0.449958	2.040058	0.220562
ENSG0000012946	GSTM2	glutathione	ENSG0000011579771	-0.3065	1.389859	-0.22052
ENSG00000110257	ABCC4	ATP bindin	ENSG0000013166003	0.232334	1.053971	0.220437
ENSG00000127000	DNAJC2	DnaJ heat s	ENSG0000011712462	0.291117	1.32107	0.220365
ENSG000001375567	VWC2	von Willeb	ENSG0000011893463	0.2789	1.265642	0.220362
ENSG00000165993	MRPS34	mitochond	ENSG0000011369606	-0.32737	1.485905	-0.22032
ENSG000001163223	ZNF676	zinc finger	ENSG000001994617	0.370692	1.685176	0.219972
ENSG0000019175	MAP3K13	mitogen-act	ENSG0000012001737	-0.27606	1.255059	-0.21996
ENSG00000192714	ARRDC1	arrestin do	ENSG0000011153908	-0.35661	1.625872	-0.21934
ENSG00000185359	DGCR6L	DiGeorge s	ENSG0000011171721	0.341753	1.558531	0.219279
ENSG00000156937	PMEPA1	prostate tr	ENSG0000012987264	0.233766	1.066255	0.21924
ENSG00000128990	ASTE1	asteroid hc	ENSG0000016371397	0.454623	2.074754	0.219122
ENSG00000179807	GSTCD	glutathione	ENSG0000016371397	0.454623	2.074754	0.219122
ENSG00000126747	NUFIP1	nuclear FM	ENSG0000016371397	0.454623	2.074754	0.219122
ENSG00000165109	UPF3B	UPF3B, reg	ENSG0000016371397	0.454623	2.074754	0.219122
ENSG000001270704			ENSG0000017212581	-0.43591	1.989522	-0.2191
ENSG00000155702	YJU2	YJU2 splici	ENSG0000017212581	-0.43591	1.989522	-0.2191
ENSG0000017771	ZNF112	zinc finger	ENSG0000017212581	-0.43591	1.989522	-0.2191
ENSG0000012288	FKBP4	FK506 bind	ENSG0000014086925	-0.20697	0.944636	-0.2191
ENSG00000158190	CTDSP1	CTD small j	ENSG0000018003637	-0.16605	0.758395	-0.21894
ENSG00000165072	CFLAR-AS1	CFLAR anti	ENSG00000133421	0.224839	1.02708	0.218911

ENSG000001987	LRBA	LPS respon	ENSG000001987	148.2514	0.139043	0.63522	0.218889
ENSG00000123059	CLUAP1	clusterin a	ENSG00000123059	22.571	0.262504	1.200146	0.218727
ENSG00000110059	DNM1L	dynamain 1	ENSG00000110059	84.2372	-0.16299	0.745863	-0.21853
ENSG00000193	ACVR2B	activin A r	ENSG00000193	36.67222	-0.21388	0.97986	-0.21827
ENSG0000012030	SLC29A1	solute carr	ENSG0000012030	103.5604	0.156997	0.719883	0.218087
ENSG00000193622	LOC93622	Morf4 fam	ENSG00000193622	8.119811	0.407841	1.870279	0.218064
ENSG00000180267	EDEM3	ER degrad	ENSG00000180267	67.61753	-0.17218	0.79083	-0.21772
ENSG00000184940	CORO6	coronin 6	ENSG00000184940	44.95563	-0.20059	0.92133	-0.21771
ENSG00000155793	MINDY1	MINDY lysi	ENSG00000155793	86.25463	-0.16094	0.739684	-0.21758
ENSG000001145270	PRIMA1	proline ric	ENSG000001145270	7.290527	-0.44567	2.049578	-0.21744
ENSG000001148189	LINC00662	long interg	ENSG000001148189	13.52722	0.318083	1.463681	0.217317
ENSG00000122887	FOXJ3	forkhead b	ENSG00000122887	77.88947	-0.1642	0.755872	-0.21724
ENSG0000011487	CTBP1	C-terminal	ENSG0000011487	47.00576	-0.194	0.893228	-0.21719
ENSG0000011453	CSNK1D	casein kina	ENSG0000011453	37.24216	0.209354	0.96423	0.21712
ENSG00000179174	CRELD2	cysteine ric	ENSG00000179174	11.75618	0.338913	1.562134	0.216955
ENSG00000151097	SCCPDH	saccharopi	ENSG00000151097	28.04001	0.241387	1.112678	0.216942
ENSG000001125144	LRRC75A-A	LRRC75A a	ENSG000001125144	44.91038	-0.19735	0.910611	-0.21672
ENSG000001130916	MTERF4	mitochond	ENSG000001130916	22.05742	-0.26087	1.204438	-0.21659
ENSG00000126115	TANC2	tetratricop	ENSG00000126115	22.5383	0.258054	1.192163	0.216458
ENSG000001137682	NDUFAF6	NADH:ubic	ENSG000001137682	18.95725	0.273959	1.266612	0.216293
ENSG000001100506033	PTOV1-AS1	PTOV1 anti	ENSG000001100506033	15.35358	0.303756	1.4054	0.216135
ENSG00000191664	ZNF845	zinc finger	ENSG00000191664	15.35358	0.303756	1.4054	0.216135
ENSG00000125904	CNOT10	CCR4-NOT	ENSG00000125904	17.14724	0.285591	1.321609	0.216094
ENSG0000012002	ELK1	ELK1, ETS t	ENSG0000012002	17.14724	0.285591	1.321609	0.216094
ENSG00000123210	JMJD6	jumonji do	ENSG00000123210	55.2213	-0.18221	0.843349	-0.21605
ENSG00000110524	KAT5	lysine acet	ENSG00000110524	15.77509	-0.30152	1.395893	-0.216
ENSG00000110542	LAMTOR5	late endos	ENSG00000110542	22.17434	-0.26639	1.233339	-0.21599
ENSG0000018837	CFLAR	CASP8 and	ENSG0000018837	505.4559	-0.11274	0.522323	-0.21584
ENSG00000126958	COPG2	coatomer	ENSG00000126958	26.27525	0.240308	1.1138	0.215755
ENSG0000011020	CDK5	cyclin depe	ENSG0000011020	5.026705	-0.51342	2.379885	-0.21573
ENSG000001100506211	MIR210HG	MIR210 ho	ENSG000001100506211	5.026705	-0.51342	2.379885	-0.21573
ENSG0000010260837			ENSG0000010260837	9.968795	0.360611	1.672057	0.215669
ENSG000001158358	KIAA2026	KIAA2026	ENSG000001158358	102.4908	-0.15084	0.699449	-0.21566
ENSG00000164924	SLC30A5	solute carr	ENSG00000164924	28.10788	0.232123	1.076663	0.215595
ENSG00000129068	ZBTB44	zinc finger	ENSG00000129068	135.3078	-0.14088	0.654411	-0.21527
ENSG000001197407	ZNF48	zinc finger	ENSG000001197407	4.684582	0.506964	2.355023	0.215269
ENSG00000129100	TMEM208	transmeml	ENSG00000129100	4.684582	0.506964	2.355023	0.215269
ENSG00000184733	CBX2	chromobo	ENSG00000184733	4.684582	0.506964	2.355023	0.215269
ENSG000001105372481	ERVK3-1	endogeno	ENSG000001105372481	4.684582	0.506964	2.355023	0.215269
ENSG00000185865	GTPBP10	GTP bindin	ENSG00000185865	19.95577	-0.27024	1.255639	-0.21522
ENSG0000017014	TERF2	telomeric r	ENSG0000017014	19.95577	-0.27024	1.255639	-0.21522
ENSG0000017705	ZNF146	zinc finger	ENSG0000017705	79.88428	-0.16107	0.748654	-0.21515
ENSG00000155170	PRMT6	protein arg	ENSG00000155170	4.987732	-0.50701	2.358692	-0.21495
ENSG0000010279544			ENSG0000010279544	4.987732	-0.50701	2.358692	-0.21495
ENSG000001101929754	ZBTB20-AS	ZBTB20 an	ENSG000001101929754	4.987732	-0.50701	2.358692	-0.21495
ENSG00000151259	TMEM216	transmeml	ENSG00000151259	4.987732	-0.50701	2.358692	-0.21495
ENSG000001124401	ANKS3	ankyrin re	ENSG000001124401	4.987732	-0.50701	2.358692	-0.21495

ENSG00000154920	DUS2	dihydrouric	ENSG00000149873	4.987732	-0.50701	2.358692	-0.21495
ENSG0000017638	ZNF221	zinc finger	ENSG00000149873	4.987732	-0.50701	2.358692	-0.21495
ENSG00000110772	SRSF10	serine and	ENSG00000164963	64.96934	0.170272	0.792974	0.214726
ENSG00000155633	TBC1D22B	TBC1 domæ	ENSG00000113634	13.63446	-0.31896	1.485575	-0.2147
ENSG00000184976	DISP1	dispatched	ENSG00000129977	2.997766	0.619358	2.885239	0.214664
ENSG000001150726	FBXO41	F-box prote	ENSG00000129977	2.997766	0.619358	2.885239	0.214664
ENSG0000010226318			ENSG00000129977	2.997766	0.619358	2.885239	0.214664
ENSG000001253935	ANGPTL5	angiopoiet	ENSG00000129977	2.997766	0.619358	2.885239	0.214664
ENSG000001283807	FBXL22	F-box and l	ENSG00000129977	2.997766	0.619358	2.885239	0.214664
ENSG0000010277938			ENSG00000129977	2.997766	0.619358	2.885239	0.214664
ENSG000001158326	FREM1	FRAS1 rela	ENSG00000115376	15.3762	0.297639	1.386632	0.214649
ENSG00000151455	REV1	REV1, DNA	ENSG00000166685	66.68506	0.171232	0.798268	0.214504
ENSG00000110758	TRAF3IP2	TRAF3 inte	ENSG00000117108	17.10827	0.287848	1.342076	0.21448
ENSG000001220906	WAC-AS1	WAC antisè	ENSG00000117108	17.10827	0.287848	1.342076	0.21448
ENSG0000011153	CIRBP	cold induci	ENSG00000114287	142.8729	0.136623	0.637029	0.214469
ENSG0000018934	RAB29	RAB29, me	ENSG00000124465	24.46523	0.246076	1.147976	0.214357
ENSG00000155216	NKAPD1	NKAP dom	ENSG00000129956	29.95687	0.226492	1.057449	0.214187
ENSG000001101928601	MEI4	meiotic do	ENSG00000129135	2.913543	0.703997	3.28727	0.214159
ENSG0000012901	GRIK5	glutamate	ENSG00000129135	2.913543	0.703997	3.28727	0.214159
ENSG00000193953	GCNA	germ cell n	ENSG00000129135	2.913543	0.703997	3.28727	0.214159
ENSG0000018076	MFAP5	microfibril	ENSG00000172808	72.8081	0.425748	1.989771	0.213968
ENSG0000015583	PRKCH	protein kin	ENSG00000142834	42.83437	0.196256	0.918012	0.213784
ENSG00000151134	CEP83	centrosom	ENSG00000122034	22.0348	-0.25734	1.203988	-0.21374
ENSG00000111020	IFT27	intraflagell	ENSG00000113673	13.67343	-0.32172	1.505253	-0.21373
ENSG00000155796	MBNL3	muscleblin	ENSG00000139152	39.15274	0.202723	0.948558	0.213717
ENSG000001115817	DHRS1	dehydroge	ENSG00000171899	71.89956	-0.42494	1.988579	-0.21369
ENSG000001133686	NADK2	NAD kinasè	ENSG00000144865	44.86513	-0.19404	0.908056	-0.21368
ENSG0000011823	DSC1	desmocolli	ENSG00000113628	13.62857	-1.08437	5.079156	-0.21349
ENSG000001219	ALDH1B1	aldehyde d	ENSG00000120134	20.13428	-0.28257	1.323872	-0.21344
ENSG0000017089	TLE2	transducin	ENSG00000130357	30.35719	-0.22728	1.066635	-0.21309
ENSG000001340481	ZDHHC21	zinc finger	ENSG00000137320	37.32011	0.206963	0.972054	0.212913
ENSG0000014775	NFATC3	nuclear fac	ENSG00000147040	47.04094	-0.19952	0.937153	-0.2129
ENSG0000019874	TLK1	tousled likè	ENSG00000166857	66.8573	0.168508	0.791526	0.212891
ENSG00000157592	ZNF687	zinc finger	ENSG00000119916	19.91679	-0.26832	1.260392	-0.21289
ENSG00000157186	RALGAPA2	Ral GTPase	ENSG00000192647	92.64747	0.153815	0.722782	0.212809
ENSG0000016154	RPL26	ribosomal	ENSG00000139136	39.1364	0.201677	0.948065	0.212725
ENSG0000015955	RCN2	reticulocal	ENSG00000128124	28.12423	0.233689	1.098582	0.212718
ENSG00000184695	LOXL3	lysyl oxida	ENSG00000182203	8.220382	0.387538	1.823539	0.21252
ENSG000001116092	DNTTIP1	deoxynucle	ENSG00000182203	8.220382	0.387538	1.823539	0.21252
ENSG00000156965	PARP6	poly(ADP-r	ENSG00000140713	40.71335	-0.20256	0.953644	-0.21241
ENSG0000019855	FARP2	FERM, ARH	ENSG00000139097	39.09742	0.202846	0.955096	0.212383
ENSG0000016894	TARBP1	TAR (HIV-1	ENSG00000126192	26.19285	-0.23778	1.120733	-0.21216
ENSG000001286451	YIPF6	Yip1 doma	ENSG00000159477	59.47771	0.173174	0.816255	0.212156
ENSG00000155572	FOXRED1	FAD depen	ENSG00000131812	31.81213	0.217319	1.024336	0.212156
ENSG00000110818	FRS2	fibroblast g	ENSG00000144689	44.68963	0.191115	0.901844	0.211916
ENSG00000155133	SRBD1	S1 RNA bin	ENSG00000122677	22.67785	0.248776	1.175995	0.211545
ENSG000001127396	ZNF684	zinc finger	ENSG00000164329	6.432995	0.433551	2.049609	0.211529

ENSG00000152048	LOC152048	uncharacterized protein	ENSG00000164329	6.432995	0.433551	2.049609	0.211529
ENSG00000112487	DTD2	D-tyrosyl-tRNA synthetase	ENSG00000164329	6.432995	0.433551	2.049609	0.211529
ENSG0000018493	PPM1D	protein phosphatase 1D	ENSG00000126320	26.3205	0.233492	1.104502	0.2114
ENSG00000183549	UCK1	uridine-cytidine kinase 1	ENSG00000119018	19.01885	0.267088	1.26359	0.211373
ENSG00000155536	CDCA7L	cell division cycle associated 7L	ENSG00000122609	22.60997	0.260343	1.23179	0.211353
ENSG000001819	CAMLG	calcium modulated protein	ENSG00000115697	15.69714	-0.2968	1.405847	-0.21112
ENSG0000016141	RPL18	ribosomal protein L18	ENSG00000197983	97.98322	0.155523	0.73674	0.211096
ENSG000001115825	WDFY2	WD repeat domain 2	ENSG00000137326	37.32639	0.20356	0.965024	0.210938
ENSG0000018996	NOL3	nucleolar protein 3	ENSG00000131783	31.78323	0.223971	1.062152	0.210865
ENSG0000011849	DUSP7	dual specificity phosphatase 7	ENSG00000115713	15.71349	-0.29417	1.395286	-0.21083
ENSG000001241	ALOX5AP	arachidonate 5-lipoxygenase activating protein	ENSG00000111516	11.51607	0.373337	1.771057	0.210799
ENSG00000157325	KAT14	lysine acetyltransferase 14	ENSG00000119035	19.0352	0.269937	1.281206	0.210689
ENSG0000014012	LNPEP	leucyl aminopeptidase	ENSG00000130475	304.7558	-0.11705	0.555712	-0.21064
ENSG0000015422	POLA1	DNA polymerase alpha	ENSG00000130021	30.00212	0.220615	1.048149	0.21048
ENSG000001641371	ACOT1	acyl-CoA thioesterase 1	ENSG00000181751	8.175131	0.411054	1.95541	0.210214
ENSG00000100246451			ENSG00000117169	17.16987	0.280181	1.333963	0.210037
ENSG00000157655	GRAMD1A	GRAM domain containing 1A	ENSG00000124510	24.51048	0.238706	1.136851	0.209971
ENSG00000126259	FBXW8	F-box and WD repeat domain containing 8	ENSG00000115359	15.35986	0.293824	1.400411	0.209812
ENSG00000179817	MOB3B	MOB kinase 3B	ENSG00000171509	7.150983	-0.42033	2.003554	-0.20979
ENSG000001115509	ZNF689	zinc finger protein 689	ENSG00000171509	7.150983	-0.42033	2.003554	-0.20979
ENSG00000100260267			ENSG00000171509	7.150983	-0.42033	2.003554	-0.20979
ENSG0000014052	LTBP1	latent transforming growth factor binding protein 1	ENSG00000123427	234.27	0.121033	0.576998	0.209763
ENSG000001440689	HIST2H2BF	histone cluster 2, H2B family	ENSG00000147235	4.723555	0.501051	2.389552	0.209684
ENSG000001912	CD1D	CD1d molecule	ENSG00000147235	4.723555	0.501051	2.389552	0.209684
ENSG0000019015	TAF1A	TATA-box binding protein 1A	ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000100272529			ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000100242829			ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000180108	ZFP2	ZFP2 zinc finger protein	ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000100272219			ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000157171	DOLPP1	dolichylidiphosphate transferase 1	ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG000001728130	NUTM2D	NUT family protein 2D	ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000184650	EBPL	EBP like protein	ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG0000017253	TSHR	thyroid stimulating hormone receptor	ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000100276182			ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000154913	RPP25	ribonucleoprotein P25	ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG000001146433	IL34	interleukin 34	ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000100235609			ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG00000100279278			ENSG00000127012	2.701285	-0.66225	3.159139	-0.20963
ENSG000001114134	SLC2A13	solute carrier family 2 member 13	ENSG00000136510	36.51005	-0.2062	0.983929	-0.20957
ENSG00000155218	EXD2	exonuclease 2	ENSG00000126242	26.24255	0.236725	1.129663	0.209553
ENSG00000164689	GORASP1	golgi reassembly protein 1	ENSG00000148449	48.44919	0.184337	0.880683	0.209311
ENSG00000151567	TDP2	tyrosyl-DNA phosphodiesterase 2	ENSG00000128153	28.15313	0.225795	1.079478	0.209171
ENSG00000158491	ZNF71	zinc finger protein 71	ENSG00000115674	15.67452	-0.29184	1.395483	-0.20913
ENSG00000123275	POFUT2	protein O-fucosyltransferase 2	ENSG00000115674	15.67452	-0.29184	1.395483	-0.20913
ENSG00000123241	PACS2	phosphofurin targeted protein 2	ENSG00000153035	53.03543	-0.179	0.856133	-0.20907
ENSG00000151573	GDE1	glycerophosphodiesterase 1	ENSG00000198463	98.46344	0.146479	0.700713	0.209042
ENSG00000151380	CSAD	cysteine sulfoxide lyase	ENSG00000113572	13.57286	-0.31051	1.486316	-0.20891



ENSG0000014191	MDH2	malate de	ENSG000001305.0613	-0.11872	0.568473	-0.20884
ENSG000001124961	ZFP3	ZFP3 zinc fi	ENSG00000126.17023	-0.23483	1.126321	-0.2085
ENSG00000155643	BTBD2	BTB domai	ENSG00000124.05223	-0.24183	1.160044	-0.20846
ENSG0000011000	CDH2	cadherin 2	ENSG000001524.6295	0.110304	0.529532	0.208304
ENSG00000184749	USP30	ubiquitin s	ENSG00000117.79252	-0.2753	1.321869	-0.20826
ENSG00000184661	DPY30	dpy-30, his	ENSG00000111.47121	-0.33621	1.614756	-0.20821
ENSG00000184305	PYM1	PYM homo	ENSG00000111.47121	-0.33621	1.614756	-0.20821
ENSG0000014507	MTAP	methylthio	ENSG00000121.95685	-0.25373	1.220719	-0.20785
ENSG00000184449	ZNF333	zinc finger	ENSG00000121.95685	-0.25373	1.220719	-0.20785
ENSG0000015885	RAD21	RAD21 coh	ENSG000001183.9666	0.126404	0.608301	0.207799
ENSG0000012260	FGFR1	fibroblast g	ENSG000001132.9245	-0.13518	0.650666	-0.20775
ENSG00000154930	HAUS4	HAUS augr	ENSG0000019.99142	0.350692	1.688075	0.207747
ENSG00000127109	DMAC2L	distal mem	ENSG00000119.8552	-0.26246	1.264342	-0.20759
ENSG0000015595	MAPK3	mitogen-act	ENSG00000124.03588	-0.24336	1.172479	-0.20756
ENSG00000156944	OLFML3	olfactomec	ENSG00000126.11491	-0.23467	1.130751	-0.20753
ENSG0000019742	IFT140	intraflagell	ENSG0000019.291609	-0.36644	1.765837	-0.20752
ENSG00000153335	BCL11A	B cell CLL/I	ENSG00000117.83149	-0.2775	1.337482	-0.20748
ENSG00000184085	FBXO30	F-box prote	ENSG00000150.91742	-0.17984	0.86739	-0.20733
ENSG00000128956	LAMTOR2	late endos	ENSG00000115.39255	0.300788	1.451505	0.207225
ENSG00000157476	GRAMD1B	GRAM dom	ENSG00000157.40404	-0.42163	2.036402	-0.20705
ENSG000001127281	PRXL2B	peroxiredo	ENSG0000014.965107	-0.49116	2.375272	-0.20678
ENSG000001151473	SLC16A14	solute carr	ENSG0000014.965107	-0.49116	2.375272	-0.20678
ENSG0000011841	DTYMK	deoxythym	ENSG0000014.965107	-0.49116	2.375272	-0.20678
ENSG00000129903	CCDC106	coiled-coil	ENSG0000014.965107	-0.49116	2.375272	-0.20678
ENSG00000123281	MTUS2	microtubul	ENSG000001174.7871	0.126398	0.611328	0.20676
ENSG0000019731	CEP104	centrosom	ENSG00000138.5828	-0.1996	0.965529	-0.20673
ENSG00000118	ABAT	4-aminobu	ENSG00000138.52748	-0.19928	0.964338	-0.20664
ENSG0000011982	EIF4G2	eukaryotic	ENSG000001876.5798	0.106209	0.514094	0.206595
ENSG000001143879	KBTBD3	kelch repe	ENSG0000019.369555	-0.37416	1.811411	-0.20656
ENSG000001124997	WDR81	WD repeat	ENSG00000122.0021	-0.2603	1.261032	-0.20642
ENSG00000185365	ALG2	ALG2, alph	ENSG00000113.57914	-0.31891	1.545476	-0.20635
ENSG00000155759	WDR12	WD repeat	ENSG00000133.74534	0.206665	1.001553	0.206344
ENSG00000157600	FNIP2	folliculin in	ENSG000001158.0985	0.128514	0.622823	0.206341
ENSG0000019946	CRYZL1	crystallin z	ENSG00000119.08045	0.260251	1.261434	0.206314
ENSG0000015194	PEX13	peroxisom	ENSG00000139.25959	0.195049	0.945719	0.206244
ENSG00000123595	ORC3	origin reco	ENSG00000131.9127	0.211906	1.027587	0.206217
ENSG000001119710	C11orf74	chromosom	ENSG00000111.8404	0.319423	1.550139	0.206061
ENSG0000011819	DRG2	developme	ENSG00000111.8404	0.319423	1.550139	0.206061
ENSG00000155504	TNFRSF19	TNF recept	ENSG00000152.21504	0.176227	0.855634	0.20596
ENSG0000014291	MLF1	myeloid lei	ENSG00000179.57014	0.168906	0.820098	0.205958
ENSG0000014296	MAP3K11	mitogen-act	ENSG00000124.53311	0.235033	1.141319	0.205931
ENSG0000019275	BCL7B	BCL tumor	ENSG00000152.19869	0.175577	0.853646	0.205679
ENSG00000125873	RPL36	ribosomal	ENSG00000159.11662	-0.17117	0.832424	-0.20563
ENSG00000123169	SLC35D1	solute carr	ENSG00000121.95057	-0.24847	1.208874	-0.20554
ENSG00000125939	SAMHD1	SAM and H	ENSG000001170.4077	0.134256	0.653428	0.205464
ENSG00000151163	DBR1	debranchir	ENSG0000017.128358	-0.40927	1.992493	-0.2054
ENSG00000122929	SEPHS1	selenopho	ENSG00000128.21473	0.221185	1.076837	0.205402

ENSG000001573	CYP2J2	cytochrom	ENSG000001412492	0.193428	0.942485	0.205232
ENSG00000156165	TDRD1	tudor dom	ENSG0000018259354	0.383381	1.868666	0.205163
ENSG00000154741	LEPROT	leptin rece	ENSG000001102.174	0.1442	0.70287	0.205159
ENSG0000019896	FIG4	FIG4 phosp	ENSG00000113.65042	0.298797	1.456443	0.205156
ENSG00000151307	FAM53C	family with	ENSG00000148.53342	0.179951	0.877469	0.205079
ENSG00000156242	ZNF253	zinc finger	ENSG00000115.46043	0.282963	1.37989	0.205062
ENSG0000019604	RNF14	ring finger	ENSG00000178.12593	0.156782	0.764754	0.20501
ENSG0000019662	CEP135	centrosom	ENSG00000113.61144	0.301376	1.470535	0.204943
ENSG00000164641	EBF2	EBF transcr	ENSG00000142.64028	-0.18953	0.925382	-0.20481
ENSG000001441307	HRAT92	heart tissu	ENSG0000018.243007	0.375178	1.831898	0.204803
ENSG00000179803	HPS6	HPS6, biog	ENSG0000018.243007	0.375178	1.831898	0.204803
ENSG000001339874	LOC339874	uncharacte	ENSG0000014.74618	0.478228	2.335742	0.204743
ENSG00000111270	NRM	nurim	ENSG0000014.74618	0.478228	2.335742	0.204743
ENSG000001374403	TBC1D10C	TBC1 dom	ENSG0000014.74618	0.478228	2.335742	0.204743
ENSG000001100037417	DDTL	D-dopachro	ENSG0000014.74618	0.478228	2.335742	0.204743
ENSG00000155954	ZMAT5	zinc finger	ENSG0000014.74618	0.478228	2.335742	0.204743
ENSG00000156969	RPL23AP32	ribosomal	ENSG0000017.167331	-0.41407	2.023272	-0.20465
ENSG0000019374	PPT2	palmitoyl-p	ENSG0000017.167331	-0.41407	2.023272	-0.20465
ENSG00000110529	NEBL	nebulette	ENSG0000012821.646	-0.10374	0.507086	-0.20458
ENSG00000157326	PBXIP1	PBX homeo	ENSG00000192.01528	-0.1485	0.726037	-0.20454
ENSG00000165117	RSRC2	arginine ar	ENSG00000189.32916	0.147123	0.719501	0.204479
ENSG0000017342	UBP1	upstream k	ENSG00000163.22315	-0.16508	0.807382	-0.20446
ENSG00000154751	FBLIM1	filamin bin	ENSG00000175.50245	-0.15692	0.7675	-0.20446
ENSG0000015510	PPP1R7	protein ph	ENSG00000130.22771	-0.21584	1.056509	-0.2043
ENSG000001126820	WDR63	WD repeat	ENSG0000012.801856	-0.71564	3.50683	-0.20407
ENSG0000010230587			ENSG0000012.801856	-0.71564	3.50683	-0.20407
ENSG00000129959	NRBP1	nuclear rec	ENSG00000180.06541	0.152441	0.747207	0.204015
ENSG0000011936	EEF1D	eukaryotic	ENSG00000140.54491	-0.19305	0.946377	-0.20399
ENSG00000110973	ASCC3	activating s	ENSG00000178.20008	0.152603	0.748265	0.203942
ENSG00000157562	CEP126	centrosom	ENSG0000014.926134	-0.48478	2.377421	-0.20391
ENSG000001283876	LINC00921	long interg	ENSG0000014.926134	-0.48478	2.377421	-0.20391
ENSG000001101927257	MRTFA-AS	MRTFA ant	ENSG0000014.926134	-0.48478	2.377421	-0.20391
ENSG00000122829	NLGN4Y	neuroligin	ENSG0000014.926134	-0.48478	2.377421	-0.20391
ENSG000001219541	MED19	mediator c	ENSG0000018.281979	0.371431	1.822415	0.203812
ENSG0000013633	INPP5B	inositol pol	ENSG00000138.48851	-0.1981	0.972379	-0.20373
ENSG00000157583	TMEM181	transmembr	ENSG00000150.38868	0.176041	0.864183	0.203708
ENSG00000179902	NUP85	nucleopori	ENSG00000126.40472	0.225172	1.105822	0.203624
ENSG00000151562	MBIP	MAP3K12 i	ENSG0000014.948759	-0.4998	2.456604	-0.20345
ENSG00000154956	PARP16	poly(ADP-r	ENSG0000014.948759	-0.4998	2.456604	-0.20345
ENSG00000184310	C7orf50	chromosom	ENSG00000113.55024	-0.30469	1.498023	-0.2034
ENSG00000110139	ARFRP1	ADP ribosy	ENSG00000128.13234	-0.22307	1.097615	-0.20323
ENSG00000151075	TMX2	thioredoxin	ENSG00000144.69669	-0.18536	0.912096	-0.20322
ENSG000001644192	NR2F2-AS1	NR2F2 anti	ENSG0000016.494593	0.412859	2.031895	0.203189
ENSG0000017325	UBE2E2	ubiquitin c	ENSG00000124.61106	0.231787	1.141082	0.203129
ENSG00000129074	MRPL18	mitochond	ENSG00000124.61106	0.231787	1.141082	0.203129
ENSG00000155829	SELENOS	selenoprot	ENSG00000128.27005	0.221334	1.090237	0.203015
ENSG0000018531	YBX3	Y-box bindi	ENSG000001325.0094	-0.12962	0.63854	-0.20299

ENSG00000100279400			ENSG00000100279400	13.51126	-0.30201	1.488146	-0.20294
ENSG0000010090843	TCEAL8	transcripti	ENSG0000010090843	35.63329	0.201889	0.995898	0.202721
ENSG000001005125	PCSK5	proprotein	ENSG000001005125	21.89525	-0.24837	1.22634	-0.20253
ENSG0000010055578	SUPT20H	SPT20 hom	ENSG0000010055578	33.80693	0.202821	1.00153	0.202512
ENSG000001003257	HPS1	HPS1, biog	ENSG000001003257	20.95206	0.245618	1.213003	0.202487
ENSG00000100204	AK2	adenylate l	ENSG00000100204	81.58744	-0.1504	0.742806	-0.20248
ENSG0000010055311	ZNF444	zinc finger	ENSG0000010055311	9.268984	-0.35785	1.767791	-0.20243
ENSG0000010026995	TRUB2	TruB pseuc	ENSG0000010026995	44.77463	-0.18749	0.927715	-0.2021
ENSG000001002109	ETFB	electron tr	ENSG000001002109	19.84892	-0.25655	1.271957	-0.2017
ENSG00000100123803	NTAN1	N-terminal	ENSG00000100123803	19.10308	0.255404	1.266472	0.201666
ENSG0000010056897	WRNIP1	Werner he	ENSG0000010056897	31.91898	0.207777	1.030355	0.201656
ENSG0000010079084	WDR77	WD repeat	ENSG0000010079084	10.05302	0.337518	1.675646	0.201426
ENSG0000010023116	TOGARAM	TOG array	ENSG0000010023116	46.75309	-0.18159	0.901983	-0.20132
ENSG000001005970	RELA	RELA proto	ENSG000001005970	30.20509	-0.2133	1.059539	-0.20131
ENSG0000010084888	SPPL2A	signal pept	ENSG0000010084888	159.8657	0.128407	0.637969	0.201274
ENSG000001003308	HSPA4	heat shock	ENSG000001003308	143.3984	0.129342	0.643755	0.200919
ENSG0000010010054	UBA2	ubiquitin li	ENSG0000010010054	69.28799	-0.15983	0.795702	-0.20087
ENSG0000010055331	ACER3	alkaline ce	ENSG0000010055331	24.55573	0.231443	1.152231	0.200865
ENSG0000010010300	KATNB1	katanin reg	ENSG0000010010300	9.307957	-0.36179	1.801432	-0.20084
ENSG0000010051715	RAB23	RAB23, me	ENSG0000010051715	11.37064	-0.3231	1.608857	-0.20082
ENSG0000010051633	OTUD6B	OTU doma	ENSG0000010051633	17.80886	-0.27333	1.361841	-0.20071
ENSG000001008798	DYRK4	dual specif	ENSG000001008798	10.09199	0.334303	1.666928	0.20055
ENSG00000100142	PARP1	poly(ADP-r	ENSG00000100142	200.7445	0.125919	0.628326	0.200403
ENSG0000010060412	EXOC4	exocyst co	ENSG0000010060412	77.42938	-0.15117	0.754715	-0.20029
ENSG00000100202051	SPATA24	spermatog	ENSG00000100202051	7.089385	-0.40454	2.02096	-0.20017
ENSG00000100101928464	ZNF433-AS	ZNF433 an	ENSG00000100101928464	7.089385	-0.40454	2.02096	-0.20017
ENSG0000010023213	SULF1	sulfatase 1	ENSG0000010023213	33.82956	0.200252	1.000607	0.20013
ENSG0000010023288	IQCE	IQ motif cc	ENSG0000010023288	17.33204	0.262899	1.314541	0.199993
ENSG0000010084267	C9orf64	chromosor	ENSG0000010084267	11.86303	0.311204	1.556778	0.199903
ENSG0000010010062	NR1H3	nuclear rec	ENSG0000010010062	11.86303	0.311204	1.556778	0.199903
ENSG0000010055486	PARL	presenilin ;	ENSG0000010055486	21.85	-0.24134	1.208024	-0.19978
ENSG00000100285193	DUSP28	dual specif	ENSG00000100285193	6.533566	0.408316	2.044256	0.199738
ENSG0000010080723	SLC35G2	solute carr	ENSG0000010080723	6.533566	0.408316	2.044256	0.199738
ENSG000001008722	CTSF	cathepsin F	ENSG000001008722	42.73458	-0.19117	0.957764	-0.1996
ENSG000001005429	POLH	DNA polyn	ENSG000001005429	13.47229	-0.29933	1.500207	-0.19952
ENSG00000100171024	SYNPO2	synaptopo	ENSG00000100171024	678.6067	-0.10155	0.509124	-0.19945
ENSG000001001903	S1PR3	sphingosin	ENSG000001001903	48.61136	0.177913	0.892092	0.199434
ENSG000001004217	MAP3K5	mitogen-ac	ENSG000001004217	96.88348	0.140574	0.705488	0.199258
ENSG0000010055571	CNOT11	CCR4-NOT	ENSG0000010055571	41.21542	0.185257	0.929834	0.199237
ENSG000001005272	SERPINB9	serpin fam	ENSG000001005272	22.82367	0.233335	1.17133	0.199205
ENSG0000010023636	NUP62	nucleopori	ENSG0000010023636	22.82367	0.233335	1.17133	0.199205
ENSG000001005333	PLCD1	phospholip	ENSG000001005333	11.902	0.308376	1.548704	0.199119
ENSG0000010010009	ZBTB33	zinc finger	ENSG0000010010009	22.74572	0.236846	1.18982	0.19906
ENSG000001007867	MAPKAPK3	mitogen-ac	ENSG000001007867	379.0966	0.116337	0.584447	0.199055
ENSG000001001198	CLK3	CDC like ki	ENSG000001001198	52.36086	0.169686	0.853774	0.198749
ENSG000001004172	MCM3	minichrom	ENSG000001004172	35.70117	0.194708	0.980023	0.198677
ENSG000001003998	LMAN1	lectin, man	ENSG000001003998	152.5365	0.13088	0.658928	0.198626

ENSG0000I	ENSG0000I	64409	GALNT17	polypeptid	ENSG0000I	74.5675	0.154755	0.779281	0.198587
ENSG0000I	ENSG0000I	29953	TRHDE	thyrotropin	ENSG0000I	6.394023	0.440484	2.219958	0.19842
ENSG0000I	ENSG0000I	9738	CCP110	centriolar c	ENSG0000I	26.50529	0.218746	1.102531	0.198404
ENSG0000I	ENSG0000I	10480	EIF3M	eukaryotic	ENSG0000I	44.78013	0.183819	0.926895	0.198317
ENSG0000I	ENSG00000279059				ENSG0000I	7.112011	-0.41475	2.09224	-0.19823
ENSG0000I	ENSG0000I	4237	MFAP2	microfibril	ENSG0000I	3.059364	0.573059	2.891701	0.198174
ENSG0000I	ENSG00000270605				ENSG0000I	3.059364	0.573059	2.891701	0.198174
ENSG0000I	ENSG00000274121				ENSG0000I	3.059364	0.573059	2.891701	0.198174
ENSG0000I	ENSG0000I	79801	SHCBP1	SHC bindin	ENSG0000I	3.059364	0.573059	2.891701	0.198174
ENSG0000I	ENSG0000I	58189	WFDC1	WAP four-c	ENSG0000I	3.059364	0.573059	2.891701	0.198174
ENSG0000I	ENSG00000267419				ENSG0000I	3.059364	0.573059	2.891701	0.198174
ENSG0000I	ENSG0000I	94101	ORMDL1	ORMDL spl	ENSG0000I	24.51676	0.233344	1.177593	0.198153
ENSG0000I	ENSG0000I	132720	FAM241A	family with	ENSG0000I	34.26257	-0.19916	1.005189	-0.19813
ENSG0000I	ENSG0000I	1850	DUSP8	dual specif	ENSG0000I	13.48864	-0.29613	1.496064	-0.19794
ENSG0000I	ENSG0000I	348	APOE	apolipopro	ENSG0000I	29.87775	1.000195	5.053554	0.197919
ENSG0000I	ENSG0000I	3039	HBA1	hemoglobi	ENSG0000I	25.90723	1.009925	5.107512	0.197733
ENSG0000I	ENSG0000I	57198	ATP8B2	ATPase ph	ENSG0000I	34.26885	-0.20226	1.023575	-0.1976
ENSG0000I	ENSG0000I	29889	GNL2	G protein r	ENSG0000I	40.43806	-0.18639	0.943301	-0.19759
ENSG0000I	ENSG0000I	3052	HCCS	holocytoch	ENSG0000I	21.01366	0.239428	1.212442	0.197476
ENSG0000I	ENSG0000I	133015	PACRGL	parkin core	ENSG0000I	8.304605	0.359193	1.819241	0.197441
ENSG0000I	ENSG0000I	83475	DOHH	deoxyhyphu	ENSG0000I	2.67866	-0.63347	3.211188	-0.19727
ENSG0000I	ENSG0000I	147685	C19orf18	chromosor	ENSG0000I	2.67866	-0.63347	3.211188	-0.19727
ENSG0000I	ENSG0000I	51738	GHRL	ghrelin anc	ENSG0000I	3.020391	0.581386	2.947208	0.197267
ENSG0000I	ENSG0000I	375387	NRROS	negative re	ENSG0000I	3.020391	0.581386	2.947208	0.197267
ENSG0000I	ENSG00000278978				ENSG0000I	3.020391	0.581386	2.947208	0.197267
ENSG0000I	ENSG0000I	643253	CCT6P1	chaperonir	ENSG0000I	3.020391	0.581386	2.947208	0.197267
ENSG0000I	ENSG00000278784				ENSG0000I	3.020391	0.581386	2.947208	0.197267
ENSG0000I	ENSG0000I	100288332	NPIPA5	nuclear po	ENSG0000I	3.020391	0.581386	2.947208	0.197267
ENSG0000I	ENSG0000I	221785	ZSCAN25	zinc finger	ENSG0000I	15.44408	0.279435	1.416617	0.197255
ENSG0000I	ENSG0000I	6498	SKIL	SKI like prc	ENSG0000I	73.50516	-0.15635	0.792665	-0.19724
ENSG0000I	ENSG0000I	9632	SEC24C	SEC24 hor	ENSG0000I	50.71001	-0.17128	0.868419	-0.19723
ENSG0000I	ENSG0000I	7781	SLC30A3	solute carr	ENSG0000I	4.903509	-0.46865	2.376409	-0.19721
ENSG0000I	ENSG00000259366				ENSG0000I	4.903509	-0.46865	2.376409	-0.19721
ENSG0000I	ENSG0000I	170394	PWWP2B	PWWP dor	ENSG0000I	4.903509	-0.46865	2.376409	-0.19721
ENSG0000I	ENSG0000I	643376	BTBD18	BTB domai	ENSG0000I	4.903509	-0.46865	2.376409	-0.19721
ENSG0000I	ENSG0000I	645212	EIF3J-DT	EIF3J diver	ENSG0000I	4.903509	-0.46865	2.376409	-0.19721
ENSG0000I	ENSG0000I	80270	HSD3B7	hydroxy-de	ENSG0000I	4.903509	-0.46865	2.376409	-0.19721
ENSG0000I	ENSG00000263089				ENSG0000I	4.903509	-0.46865	2.376409	-0.19721
ENSG0000I	ENSG0000I	1124	CHN2	chimerin 2	ENSG0000I	21.83365	-0.24298	1.232653	-0.19712
ENSG0000I	ENSG0000I	9868	TOMM70	translocase	ENSG0000I	122.8145	0.137014	0.695992	0.196861
ENSG0000I	ENSG0000I	55159	RFWD3	ring finger	ENSG0000I	13.44967	-0.29347	1.491095	-0.19681
ENSG0000I	ENSG0000I	440952	EIF1B-AS1	EIF1B antis	ENSG0000I	7.06676	-0.39344	1.999344	-0.19678
ENSG0000I	ENSG0000I	64965	MRPS9	mitochond	ENSG0000I	37.33018	0.210168	1.068205	0.196748
ENSG0000I	ENSG00000260398				ENSG0000I	19.732	-0.25065	1.274294	-0.19669
ENSG0000I	ENSG0000I	6421	SFPQ	splicing fac	ENSG0000I	187.5246	-0.11932	0.606914	-0.1966
ENSG0000I	ENSG0000I	4343	MOV10	Mov10 RIS	ENSG0000I	21.81103	-0.23952	1.218433	-0.19658
ENSG0000I	ENSG0000I	374879	ZNF699	zinc finger	ENSG0000I	11.34801	-0.31607	1.612222	-0.19604

ENSG0000016322	SCML1	Scm polycc	ENSG0000011134801	-0.31607	1.612222	-0.19604
ENSG00000151160	VPS28	VPS28, ESC	ENSG0000012802549	-0.21341	1.089276	-0.19592
ENSG0000011877	E4F1	E4F transcr	ENSG0000014707207	0.48547	2.479222	0.195815
ENSG0000012690	GHR	growth hor	ENSG0000012815941	0.221554	1.131599	0.195788
ENSG0000015178	PEG3	paternally	ENSG0000013427892	-0.19819	1.012334	-0.19578
ENSG00000125897	RNF19A	ring finger	ENSG0000011025046	0.137073	0.700738	0.195613
ENSG00000127341	RRP7A	ribosomal	ENSG0000011735466	0.257504	1.316499	0.195598
ENSG0000019508	ADAMTS3	ADAM met	ENSG000001272391	-0.68692	3.515621	-0.19539
ENSG0000014621	MYH3	myosin he	ENSG000001272391	-0.68692	3.515621	-0.19539
ENSG000001250462			ENSG000001272391	-0.68692	3.515621	-0.19539
ENSG00000110813	UTP14A	UTP14A, sr	ENSG0000011556767	-0.27429	1.404257	-0.19533
ENSG000001339366	ADAMTSL5	ADAMTS li	ENSG0000019207386	-0.34554	1.769733	-0.19525
ENSG000001817	CAMK2D	calcium/ca	ENSG0000012749719	-0.1099	0.563293	-0.1951
ENSG00000157154	SMURF1	SMAD spec	ENSG0000012386743	-0.22712	1.164418	-0.19505
ENSG00000180824	DUSP16	dual specif	ENSG0000014449555	-0.17794	0.912469	-0.19501
ENSG0000012873	GPS1	G protein ç	ENSG0000013219989	-0.20223	1.037241	-0.19497
ENSG00000123022	PALLD	palladin, cy	ENSG0000019910422	-0.09664	0.495786	-0.19492
ENSG000001140458	ASB5	ankyrin re	ENSG0000014785152	0.471706	2.421163	0.194826
ENSG0000017007	TECTA	tectorin al	ENSG0000014785152	0.471706	2.421163	0.194826
ENSG0000017260	EIPR1	EARP comp	ENSG0000011011462	0.32449	1.66605	0.194766
ENSG00000154941	RNF125	ring finger	ENSG0000011011462	0.32449	1.66605	0.194766
ENSG00000157336	ZNF287	zinc finger	ENSG0000019246359	-0.34937	1.794151	-0.19473
ENSG0000013298	HSF2	heat shock	ENSG0000013393013	0.195158	1.002445	0.194682
ENSG00000151022	GLRX2	glutaredox	ENSG0000018320952	0.366956	1.885658	0.194604
ENSG000001400713	ZNF880	zinc finger	ENSG000001218789	-0.24942	1.28228	-0.19451
ENSG00000191584	PLXNA4	plexin A4	ENSG0000015794299	0.161189	0.829103	0.194414
ENSG00000184173	ELMOD3	ELMO dom	ENSG0000011739363	0.255406	1.314147	0.194351
ENSG00000180028	FBXL18	F-box and	ENSG0000016556191	0.392488	2.019494	0.194349
ENSG0000016119	RPA3	replication	ENSG0000016556191	0.392488	2.019494	0.194349
ENSG00000110620	ARID3B	AT-rich int	ENSG0000016556191	0.392488	2.019494	0.194349
ENSG00000164319	FBR5	fibrosin	ENSG0000013006554	-0.2066	1.063564	-0.19426
ENSG0000011859	DYRK1A	dual specif	ENSG0000011629459	-0.12134	0.625294	-0.19406
ENSG00000155148	UBR7	ubiquitin p	ENSG0000013008189	-0.20543	1.058931	-0.194
ENSG000001260855			ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001242094			ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001166793	ZBTB49	zinc finger	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001100505678	STARD4-AS	STARD4 an	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001101929719	LOC101929	uncharacte	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001235381			ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001230715			ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG0000019401	RECQL4	RecQ like h	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG0000015588	PRKCQ	protein kin	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG0000012159	F10	coagulation	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001270871			ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG0000012886	GRB7	growth fac	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001236194			ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG000001339210	C17orf67	chromosom	ENSG0000012639687	-0.62214	3.207991	-0.19393

ENSG00000166002	CYP4F12	cytochrom	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG00000100533107	RTKL1-TNF	RTKL1-TNF	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG0000014248	MGAT3	mannosyl (	ENSG0000012639687	-0.62214	3.207991	-0.19393
ENSG0000017431	VIM	vimentin	ENSG000001216.0781	0.117338	0.605113	0.19391
ENSG00000192014	SLC25A51	solute carr	ENSG00000111.30904	-0.313	1.614715	-0.19384
ENSG0000012620	GAS2	growth arr	ENSG00000111.30904	-0.313	1.614715	-0.19384
ENSG0000013652	IPP	intracisterr	ENSG00000117.6467	-0.25771	1.329715	-0.19381
ENSG00000154832	VPS13C	vacuolar pi	ENSG000001332.2989	0.106543	0.549881	0.193757
ENSG00000184676	TRIM63	tripartite n	ENSG000001239.7619	-0.12374	0.638631	-0.19376
ENSG00000110106	CTDSP2	CTD small j	ENSG000001192.1515	-0.1259	0.64978	-0.19375
ENSG0000012551	GABPA	GA binding	ENSG00000146.88557	0.174028	0.899036	0.193572
ENSG00000100272106			ENSG0000014.807778	0.450025	2.325409	0.193525
ENSG0000019540	TP53I3	tumor prot	ENSG0000014.807778	0.450025	2.325409	0.193525
ENSG000001122769	LRR1	leucine ricl	ENSG0000014.807778	0.450025	2.325409	0.193525
ENSG00000157692	MAGEE1	MAGE fam	ENSG0000014.807778	0.450025	2.325409	0.193525
ENSG00000130837	SOCS7	suppressor	ENSG00000148.72527	-0.17423	0.900603	-0.19346
ENSG0000018930	MBD4	methyl-Cp	ENSG00000128.00286	-0.21064	1.089703	-0.1933
ENSG00000135	ACADS	acyl-CoA d	ENSG00000136.25738	-0.19012	0.98391	-0.19323
ENSG00000184978	FRMD5	FERM dom	ENSG00000133.87481	0.195184	1.010376	0.193179
ENSG00000151285	RASL12	RAS like fa	ENSG00000115.58362	0.266167	1.378241	0.193121
ENSG00000155690	PACS1	phosphofu	ENSG00000181.31842	-0.14353	0.743431	-0.19306
ENSG0000017553	ZNF7	zinc finger	ENSG00000117.60772	-0.25557	1.323841	-0.19305
ENSG0000015934	RBL2	RB transcri	ENSG000001105.813	-0.13305	0.689491	-0.19297
ENSG00000151009	DERL2	derlin 2	ENSG00000115.50568	0.270935	1.405248	0.192802
ENSG00000126146	TRAF3IP1	TRAF3 inte	ENSG00000121.80475	-0.23417	1.21517	-0.1927
ENSG0000016130	RPL7A	ribosomal j	ENSG000001486.7482	-0.10322	0.535804	-0.19264
ENSG00000179031	PDCL3	phosducin	ENSG00000110.15359	0.321291	1.667889	0.192633
ENSG000001285513	GPRIN3	GPRIN fam	ENSG00000177.68454	-0.16142	0.838044	-0.19262
ENSG00000126993	AKAP8L	A-kinase ar	ENSG00000135.78539	0.188679	0.980325	0.192466
ENSG0000019741	LAPTM4A	lysosomal j	ENSG000001132.5801	-0.13157	0.683646	-0.19245
ENSG0000019658	ZNF516	zinc finger	ENSG00000123.84481	-0.22384	1.163727	-0.19235
ENSG00000184163	GTF2IRD2	GTF2I repe	ENSG0000014.864536	-0.46216	2.402942	-0.19233
ENSG00000122794	CASC3	CASC3, exc	ENSG00000189.47864	-0.14044	0.730266	-0.19231
ENSG000001123169	LEO1	LEO1 homc	ENSG00000113.42704	-0.28753	1.495204	-0.1923
ENSG0000018228	PNPLA4	patatin like	ENSG00000119.24262	0.244638	1.273203	0.192144
ENSG0000014892	NRAP	nebulin rel	ENSG0000012154.417	0.092448	0.481347	0.192062
ENSG0000016390	SDHB	succinate c	ENSG000001137.6353	0.13472	0.701504	0.192044
ENSG00000154863	TOR4A	torsin fami	ENSG00000111.9636	0.297394	1.549038	0.191987
ENSG0000018226	PUDP	pseudouric	ENSG00000111.9636	0.297394	1.549038	0.191987
ENSG0000013337	DNAJB1	DnaJ heat s	ENSG00000145.04287	0.172929	0.900755	0.191983
ENSG00000155665	URGCP	upregulato	ENSG00000143.22658	0.176161	0.918714	0.191747
ENSG000001637	BID	BH3 intera	ENSG00000124.75688	0.21763	1.135379	0.19168
ENSG0000017710	ZNF154	zinc finger	ENSG00000126.55054	0.212038	1.106449	0.191639
ENSG0000012801	GOLGA2	golgin A2	ENSG00000182.27391	0.140981	0.737052	0.191277
ENSG00000179694	MANEA	mannosida	ENSG00000119.6704	-0.24469	1.280346	-0.19111
ENSG000001833	CARS	cysteinytl-tl	ENSG00000119.6704	-0.24469	1.280346	-0.19111

ENSG000001080724	ACAD10	acyl-CoA dehyd	ENSG0000013429527	-0.19741	1.036244	-0.19051
ENSG00000110228	STX6	syntaxin 6	ENSG0000011741626	0.250039	1.312796	0.190463
ENSG00000157695	USP37	ubiquitin s	ENSG00000123.80583	-0.22219	1.16683	-0.19042
ENSG000001115416	MALSU1	mitochond	ENSG00000119.26524	0.239913	1.259946	0.190415
ENSG000001283316	CD163L1	CD163 mol	ENSG0000016.517218	0.397598	2.089532	0.190281
ENSG000001152559	PAQR3	progesterin a	ENSG00000117.43261	0.253191	1.330929	0.190236
ENSG00000111108	PRDM4	PR/SET do	ENSG00000130.02029	-0.20148	1.059108	-0.19024
ENSG0000015608	MAP2K6	mitogen-ac	ENSG0000014.768805	0.456223	2.398337	0.190225
ENSG0000019182	RASSF9	Ras associ	ENSG00000115.50607	-0.2668	1.403218	-0.19014
ENSG00000155333	SYNJ2BP	synaptojan	ENSG000001140.1316	0.122778	0.646499	0.189913
ENSG0000014883	NPR3	natriuretic	ENSG00000157.11907	0.405219	2.133734	0.189911
ENSG0000018802	SUCLG1	succinate-C	ENSG000001139.5685	0.133151	0.701222	0.189884
ENSG000001140467	ZNF358	zinc finger	ENSG00000119.64778	-0.24078	1.268033	-0.18988
ENSG0000016777	STAT5B	signal tran	ENSG00000189.39442	-0.1383	0.728356	-0.18988
ENSG000001252995	FNDC5	fibronectin	ENSG00000170.55906	0.168661	0.888395	0.18985
ENSG00000130849	PIK3R4	phosphoin	ENSG00000136.17943	-0.18773	0.989098	-0.1898
ENSG0000016483	ST3GAL2	ST3 beta-g	ENSG00000126.56061	0.218554	1.151742	0.189759
ENSG00000151809	GALNT7	polypeptid	ENSG0000018.366203	0.343402	1.810241	0.1897
ENSG00000110572	SIVA1	SIVA1 apo	ENSG0000018.366203	0.343402	1.810241	0.1897
ENSG0000010270696			ENSG00000117.37729	0.252235	1.329916	0.189662
ENSG00000184618	NT5C1A	5'-nucleoti	ENSG00000111.42596	-0.32336	1.705182	-0.18964
ENSG00000123554	TSPAN12	tetraspanin	ENSG00000140.37018	-0.18082	0.95428	-0.18948
ENSG0000017270	TTF1	transcripti	ENSG00000126.62849	0.208983	1.103614	0.189363
ENSG00000157589	RIC1	RIC1 homo	ENSG00000144.42767	-0.17289	0.913284	-0.18931
ENSG00000151175	TUBE1	tubulin eps	ENSG00000134.15573	-0.19121	1.010139	-0.18929
ENSG000001135114	HINT3	histidine tr	ENSG00000150.92122	-0.17595	0.929749	-0.18925
ENSG000001100506451	RASSF8-AS	RASSF8 ant	ENSG0000019.285332	-0.35413	1.872915	-0.18908
ENSG00000155277	FGGY	FGGY carb	ENSG00000124.7795	0.214006	1.132225	0.189014
ENSG00000157794	SUGP1	SURP and C	ENSG00000121.11423	0.23135	1.226948	0.188558
ENSG0000019236	CCPG1	cell cycle p	ENSG00000119.66413	-0.23871	1.266509	-0.18848
ENSG000001150962	PUS10	pseudouric	ENSG0000019.184761	-0.33689	1.788891	-0.18832
ENSG00000123592	LEMD3	LEM domain	ENSG00000132.18172	0.192982	1.025575	0.18817
ENSG0000012286	FKBP2	FK506 bind	ENSG00000124.77322	0.219382	1.166183	0.188119
ENSG0000013726	JUNB	JunB proto	ENSG00000123.78321	-0.2189	1.164527	-0.18797
ENSG00000194134	ARHGAP12	Rho GTPase	ENSG00000160.01574	0.153065	0.814385	0.187952
ENSG000001100506655	LCMT1-AS	LCMT1 ant	ENSG0000017.005162	-0.37744	2.009315	-0.18784
ENSG00000164595	TTY15	testis-spec	ENSG0000019.145788	-0.33313	1.773663	-0.18782
ENSG0000016399	TRAPPC2	trafficking	ENSG00000110.17621	0.311592	1.659028	0.187816
ENSG0000015290	PIK3CA	phosphatic	ENSG00000181.15625	-0.13987	0.745264	-0.18768
ENSG0000016047	RNF4	ring finger	ENSG00000140.25327	-0.17748	0.945797	-0.18766
ENSG00000151073	MRPL4	mitochond	ENSG00000111.98623	0.289298	1.543359	0.187447
ENSG00000156916	SMARCD1	SWI/SNF-re	ENSG00000139.59021	0.176464	0.942771	0.187176
ENSG0000019183	ZW10	zw10 kinet	ENSG00000119.28787	0.235129	1.256506	0.187129
ENSG0000010253636			ENSG0000014.841911	-0.44585	2.38288	-0.18711
ENSG00000151733	UPB1	beta-ureid	ENSG0000014.841911	-0.44585	2.38288	-0.18711
ENSG0000016945	MLX	MLX, MAX	ENSG00000166.98271	-0.15001	0.801753	-0.1871
ENSG0000010240401			ENSG0000013.081989	0.536035	2.866149	0.187023

ENSG0000013955	LFNG	LFNG O-fuc	ENSG0000013081989	0.536035	2.866149	0.187023
ENSG0000019536	PTGES	prostaglan	ENSG0000013081989	0.536035	2.866149	0.187023
ENSG00000100272909			ENSG0000013081989	0.536035	2.866149	0.187023
ENSG00000156985	ADPRM	ADP-ribose	ENSG0000013081989	0.536035	2.866149	0.187023
ENSG000001100294362	LOC100294	uncharacte	ENSG0000013081989	0.536035	2.866149	0.187023
ENSG00000100261888			ENSG0000013081989	0.536035	2.866149	0.187023
ENSG00000151548	SIRT6	sirtuin 6	ENSG0000013081989	0.536035	2.866149	0.187023
ENSG00000164224	HERPUD2	HERPUD fa	ENSG0000012101993	0.232833	1.245374	0.186958
ENSG0000019841	ZBTB24	zinc finger	ENSG0000011375726	0.275464	1.474243	0.186851
ENSG000001112858	TP53RK	TP53 regul	ENSG0000011124744	-0.30282	1.622176	-0.18667
ENSG00000181550	TDRD3	tudor dom	ENSG0000015446251	0.156886	0.84118	0.186507
ENSG00000156681	SAR1A	secretion a	ENSG0000011300548	-0.12216	0.655154	-0.18645
ENSG0000018607	RUVBL1	RuvB like A	ENSG0000011930422	0.237841	1.277046	0.186243
ENSG000001170959	ZNF431	zinc finger	ENSG0000014025954	-0.18	0.966778	-0.18618
ENSG0000013977	LIFR	LIF recepto	ENSG0000013180845	-0.11105	0.597986	-0.1857
ENSG00000123219	FBXO28	F-box prote	ENSG0000014636716	-0.16668	0.897932	-0.18563
ENSG00000123154	NCDN	neurochon	ENSG0000012298584	0.220189	1.186639	0.185557
ENSG000001161779	PGBD4	piggyBac tr	ENSG0000018405175	0.339584	1.830144	0.185551
ENSG0000014633	MYL2	myosin lig	ENSG0000012266938	0.099495	0.537233	0.185198
ENSG00000179973	ZNF442	zinc finger	ENSG0000016617789	0.372392	2.012151	0.185072
ENSG000001246175	CNOT6L	CCR4-NOT	ENSG0000017701454	-0.13984	0.755789	-0.18502
ENSG00000126136	TES	testin LIM	ENSG0000012587858	-0.21075	1.139086	-0.18502
ENSG0000019317	PTER	phosphotri	ENSG0000011932684	0.233182	1.261056	0.18491
ENSG00000111097	NUPL2	nucleopori	ENSG0000011544447	-0.25928	1.403069	-0.1848
ENSG000001399474	TMEM200	transmembr	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000100239503			ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000100230457			ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000151053	GMNN	geminin, D	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG000001401262	CRIP3	cysteine ric	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000100273014			ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000100234358			ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000100280123			ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000100255182			ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG000001642361	LOC642361	uncharacte	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000156924	PAK6	p21 (RAC1)	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG000001100130855	USP3-AS1	USP3 antis	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG0000015409	PNMT	phenyleth	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG0000016676	SPAG4	sperm assc	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG00000155713	ZNF334	zinc finger	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG000001646851	FAM227A	family with	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG0000015063	PAK3	p21 (RAC1)	ENSG0000012617062	-0.59235	3.205638	-0.18478
ENSG000001284001	CCDC57	coiled-coil	ENSG0000011542812	-0.262	1.418201	-0.18474
ENSG0000019223	MAGI1	membrane	ENSG0000017505243	-0.14201	0.768866	-0.1847
ENSG00000100226900			ENSG000001120252	0.286471	1.551118	0.184687
ENSG00000129956	CERS2	ceramide s	ENSG0000012653419	0.210558	1.140468	0.184624
ENSG00000190313	TP53I13	tumor prot	ENSG0000011021519	0.308355	1.671177	0.184513
ENSG0000012887	GRB10	growth fac	ENSG0000011064202	-0.14233	0.771524	-0.18448



ENSG0000019147	NEMF	nuclear ex	ENSG0000016750846	0.14479	0.784928	0.184463
ENSG0000015928	RBBP4	RB binding	ENSG0000019735729	-0.13038	0.708108	-0.18413
ENSG00000186	ACTL6A	actin like 6	ENSG000001175235	-0.24441	1.328156	-0.18402
ENSG00000156900	TMEM167	transmembr	ENSG0000013594756	0.180256	0.979782	0.183976
ENSG00000179027	ZNF655	zinc finger	ENSG0000017113476	0.144318	0.784467	0.18397
ENSG000001317749	DHRS4L2	dehydroge	ENSG0000011749421	0.24567	1.33566	0.183931
ENSG0000015066	PAM	peptidylgly	ENSG0000011050.031	0.104815	0.569872	0.183927
ENSG00000164921	CASD1	CAS1 dom	ENSG0000013222697	0.187595	1.020053	0.183908
ENSG00000123080	AVL9	AVL9 cell n	ENSG0000014331708	0.168445	0.916324	0.183827
ENSG00000180331	DNAJC5	DnaJ heat s	ENSG0000017128437	0.142766	0.77679	0.183789
ENSG0000015371	PML	promyeloc	ENSG000001356911	0.190529	1.036747	0.183776
ENSG00000110425	ARIH2	ariadne RB	ENSG000001164.4907	-0.11387	0.620222	-0.1836
ENSG00000110153	CEBPZ	CCAAT enh	ENSG00000134.0596	0.183742	1.002055	0.183366
ENSG0000016919	TCEA2	transcripti	ENSG00000111.22482	-0.2957	1.615441	-0.18305
ENSG0000016009	RHEB	Ras homol	ENSG00000148.93191	0.159871	0.874338	0.182848
ENSG0000019867	PJA2	praja ring f	ENSG000001215.2835	-0.10774	0.59026	-0.18254
ENSG00000151063	CALHM2	calcium ho	ENSG0000019.129441	-0.33743	1.848771	-0.18252
ENSG0000011059	CENPB	centromer	ENSG00000138.16796	-0.17695	0.970434	-0.18234
ENSG0000018706	B3GALNT1	beta-1,3-N	ENSG00000167.58012	0.144788	0.794455	0.182249
ENSG000001692205	SNORD89	small nucle	ENSG0000014.830403	0.428046	2.349954	0.182151
ENSG0000013622	ING2	inhibitor of	ENSG0000014.830403	0.428046	2.349954	0.182151
ENSG000001126433	FBXO27	F-box prote	ENSG0000014.830403	0.428046	2.349954	0.182151
ENSG000001205	AK4	adenylate l	ENSG000001138.3707	0.122303	0.671729	0.182072
ENSG0000017084	TK2	thymidine	ENSG00000119.34947	0.228436	1.25473	0.18206
ENSG0000017559	ZNF12	zinc finger	ENSG00000154.56308	0.153612	0.84378	0.182053
ENSG00000164834	ELOVL1	ELOVL fatty	ENSG00000123.03109	0.212442	1.16715	0.182018
ENSG0000013551	IKBKB	inhibitor of	ENSG00000137.76385	0.176081	0.967761	0.181946
ENSG0000016603	SMARCD2	SWI/SNF re	ENSG00000137.76385	0.176081	0.967761	0.181946
ENSG000001101927752	LOC101927	uncharacte	ENSG0000016.982537	-0.36593	2.012825	-0.1818
ENSG000001114984	FLYWCH2	FLYWCH fa	ENSG0000016.982537	-0.36593	2.012825	-0.1818
ENSG0000019910	RABGAP1L	RAB GTPas	ENSG000001194.908	-0.10916	0.600558	-0.18176
ENSG0000013790	KCNS3	potassium	ENSG0000014.869376	0.42227	2.323366	0.181749
ENSG0000010272077			ENSG0000014.869376	0.42227	2.323366	0.181749
ENSG0000015191	PEX7	peroxisom	ENSG0000014.869376	0.42227	2.323366	0.181749
ENSG0000010235314			ENSG0000014.869376	0.42227	2.323366	0.181749
ENSG0000010228801			ENSG0000014.869376	0.42227	2.323366	0.181749
ENSG000001100093631	GTF2IP4	general tra	ENSG0000018.4278	0.327781	1.804565	0.18164
ENSG00000122888	UBOX5	U-box dom	ENSG0000019.123163	-0.32434	1.785792	-0.18162
ENSG00000179184	BRCC3	BRCA1/BR	ENSG00000119.68047	-0.23699	1.305299	-0.18156
ENSG00000110781	ZNF266	zinc finger	ENSG00000129.88075	-0.1947	1.073115	-0.18144
ENSG00000154765	TRIM44	tripartite n	ENSG000001134.8436	0.117466	0.647701	0.181359
ENSG0000016240	RRM1	ribonucleo	ENSG00000127.81807	-0.19791	1.091828	-0.18127
ENSG0000012617	GARS	glycyl-tRN	ENSG00000152.7141	0.154236	0.851063	0.181227
ENSG00000111252	PACIN2	protein kin	ENSG00000189.25239	-0.13273	0.732589	-0.18118
ENSG00000151099	ABHD5	abhydrolas	ENSG00000128.58432	0.193843	1.070385	0.181097
ENSG00000164746	ACBD3	acyl-CoA b	ENSG00000140.13007	-0.17152	0.948526	-0.18083
ENSG00000157180	ACTR3B	ARP3 actin	ENSG0000018.388828	0.331643	1.834526	0.180778

ENSG0000015927	KDM5A	lysine dem	ENSG0000015927	142.0324	-0.11742	0.649638	-0.18075
ENSG00000129926	GMPPA	GDP-mann	ENSG00000129926	15.70682	0.249516	1.381108	0.180664
ENSG00000110001	MED6	mediator c	ENSG00000110001	15.70682	0.249516	1.381108	0.180664
ENSG00000154454	ATAD2B	ATPase fan	ENSG00000154454	50.36304	-0.1584	0.877209	-0.18057
ENSG0000019112	MTA1	metastasis	ENSG0000019112	23.73796	-0.21234	1.176817	-0.18043
ENSG000001112483	SAT2	spermidine	ENSG000001112483	21.1821	0.218515	1.211879	0.180311
ENSG0000015887	RAD23B	RAD23 hom	ENSG0000015887	143.9402	0.121935	0.676409	0.180268
ENSG00000165008	MRPL1	mitochond	ENSG00000165008	23.04744	0.214504	1.19052	0.180177
ENSG0000016901	TAZ	tafazzin	ENSG0000016901	23.04744	0.214504	1.19052	0.180177
ENSG00000110489	LRRC41	leucine ric	ENSG00000110489	52.39682	-0.15469	0.858573	-0.18017
ENSG000001728730	MAP4K3-D	MAP4K3 di	ENSG000001728730	9.084191	-0.32061	1.779661	-0.18015
ENSG000001641298	SMG1P1	SMG1 pset	ENSG000001641298	4.802938	-0.43907	2.437713	-0.18011
ENSG00000128968	SLC6A16	solute carr	ENSG00000128968	4.802938	-0.43907	2.437713	-0.18011
ENSG00000155651	NHP2	NHP2 ribor	ENSG00000155651	10.19884	0.302101	1.677673	0.180072
ENSG00000125862	USP49	ubiquitin s	ENSG00000125862	10.19884	0.302101	1.677673	0.180072
ENSG000001221955	DAGLB	diacylglyce	ENSG000001221955	10.19884	0.302101	1.677673	0.180072
ENSG000001162655	ZNF519	zinc finger	ENSG000001162655	10.19884	0.302101	1.677673	0.180072
ENSG000001129138	ANKRD54	ankyrin re	ENSG000001129138	10.19884	0.302101	1.677673	0.180072
ENSG00000151271	UBAP1	ubiquitin a	ENSG00000151271	52.69775	0.153607	0.853214	0.180034
ENSG00000154606	DDX56	DEAD-box	ENSG00000154606	27.80172	-0.19916	1.107149	-0.17989
ENSG00000183999	KREMEN1	kringle con	ENSG00000183999	78.9641	-0.13552	0.753699	-0.1798
ENSG00000185012	TCEAL3	transcripti	ENSG00000185012	17.53946	0.235227	1.308342	0.17979
ENSG0000010234290			ENSG0000010234290	6.96619	-0.37222	2.072083	-0.17963
ENSG00000151130	ASB3	ankyrin re	ENSG00000151130	3.120962	0.527426	2.937339	0.179559
ENSG00000157140	RNPEPL1	arginyl ami	ENSG00000157140	52.73672	0.152692	0.850659	0.179498
ENSG00000155852	TEX2	testis expr	ENSG00000155852	119.5981	-0.11987	0.668301	-0.17936
ENSG000001285753	CEP57L1	centrosom	ENSG000001285753	15.38287	-0.25173	1.403823	-0.17932
ENSG000001284297	SSC5D	scavenger	ENSG000001284297	7.02151	-0.37119	2.070851	-0.17925
ENSG000001545	ATR	ATR serine	ENSG000001545	38.05104	-0.17349	0.968469	-0.17914
ENSG0000011288	COL4A6	collagen ty	ENSG0000011288	19.54093	-0.22674	1.265947	-0.17911
ENSG00000154480	CHPF2	chondroitin	ENSG00000154480	19.52458	-0.2288	1.277632	-0.17908
ENSG000001140609	NEK7	NIMA relat	ENSG000001140609	389.1072	0.101198	0.56534	0.179003
ENSG00000164943	NT5DC2	5'-nucleoti	ENSG00000164943	28.60067	0.195332	1.091752	0.178916
ENSG00000154876	DCAF16	DDB1 and	ENSG00000154876	37.82545	0.172658	0.965256	0.178872
ENSG000001150864	FAM117B	family with	ENSG000001150864	13.89681	0.260865	1.459057	0.17879
ENSG0000017436	VLDLR	very low de	ENSG0000017436	157.3005	0.115112	0.643952	0.178759
ENSG00000126019	UPF2	UPF2, regu	ENSG00000126019	67.47576	0.144131	0.806758	0.178654
ENSG00000110105	PPIF	peptidylpro	ENSG00000110105	88.19045	0.13148	0.735989	0.178643
ENSG000001116841	SNAP47	synaptosor	ENSG000001116841	20.88039	0.24474	1.370066	0.178634
ENSG00000151028	VPS36	vacuolar pr	ENSG00000151028	84.49248	0.131509	0.736307	0.178606
ENSG00000183450	DRC3	dynein reg	ENSG00000183450	6.943564	-0.36123	2.022726	-0.17859
ENSG0000017189	TRAF6	TNF recept	ENSG0000017189	29.8355	-0.18958	1.061618	-0.17857
ENSG000001283537	SLC46A3	solute carr	ENSG000001283537	23.05371	0.208532	1.168284	0.178495
ENSG0000019125	CNOT9	CCR4-NOT	ENSG0000019125	28.60694	0.190766	1.069047	0.178445
ENSG0000012181	ACSL3	acyl-CoA s	ENSG0000012181	106.9354	0.122943	0.689237	0.178375
ENSG00000185313	PPIL4	peptidylpro	ENSG00000185313	35.99464	-0.17777	0.99688	-0.17833
ENSG00000127333	GOLIM4	golgi integri	ENSG00000127333	135.9324	-0.11677	0.654882	-0.1783

ENSG000001388403	YPEL2	yippee like	ENSG00000197.1725	-0.12658	0.710242	-0.17822
ENSG000001221981	THSD7A	thrombospondin	ENSG00000115.69047	0.245872	1.380082	0.178157
ENSG000001128637	TBC1D20	TBC1 domain	ENSG00000146.22133	-0.15986	0.897992	-0.17802
ENSG0000016664	SOX11	SRY-box 11	ENSG0000014.84675	0.442293	2.484726	0.178005
ENSG00000110992	SF3B2	splicing factor	ENSG000001121.5929	-0.11858	0.666248	-0.17798
ENSG00000126119	LDLRAP1	low density lipoprotein receptor	ENSG00000119.37209	0.223705	1.258155	0.177804
ENSG0000016434	TRA2B	transformer-1	ENSG00000178.85346	-0.13464	0.757554	-0.17773
ENSG0000018790	FPGT	fucose-1-phosphate	ENSG00000115.72944	0.243577	1.371059	0.177656
ENSG000001100049716	LOC100049716	uncharacterized	ENSG00000115.46082	-0.25687	1.446567	-0.17757
ENSG0000016210	RPS15A	ribosomal protein	ENSG00000156.46359	0.148189	0.834736	0.177528
ENSG00000154810	GIPC2	GIPC PDZ domain	ENSG00000111.20219	-0.28854	1.626341	-0.17742
ENSG0000018209	GATD3A	glutamine aminotransferase	ENSG00000111.20219	-0.28854	1.626341	-0.17742
ENSG000001788	SLC25A20	solute carrier	ENSG00000165.55014	0.153955	0.867962	0.177375
ENSG0000013720	JARID2	jumonji domain	ENSG00000129.81915	-0.1907	1.076992	-0.17707
ENSG0000018835	SOCS2	suppressor of cytokine signaling	ENSG00000115.3439	-0.24935	1.410433	-0.17679
ENSG0000013017	HIST1H2BC	histone cluster	ENSG00000117.57843	0.233094	1.318579	0.176776
ENSG00000111320	MGAT4A	alpha-1,3-mannosyltransferase	ENSG00000164.57935	-0.14133	0.799616	-0.17674
ENSG00000184747	UNC119B	unc-119 lipase	ENSG00000125.79436	-0.20322	1.150273	-0.17667
ENSG00000191975	ZNF300	zinc finger protein	ENSG0000014.819286	-0.42946	2.431248	-0.17664
ENSG0000010279348			ENSG0000014.780313	-0.42271	2.394731	-0.17652
ENSG00000122949	PTGR1	prostaglandin synthase	ENSG0000014.780313	-0.42271	2.394731	-0.17652
ENSG0000019605	VPS9D1	VPS9 domain	ENSG0000014.780313	-0.42271	2.394731	-0.17652
ENSG0000010280046			ENSG0000014.780313	-0.42271	2.394731	-0.17652
ENSG000001124930	ANKRD13B	ankyrin repeat	ENSG0000014.780313	-0.42271	2.394731	-0.17652
ENSG0000010279329			ENSG0000014.780313	-0.42271	2.394731	-0.17652
ENSG00000184674	CARD6	caspase recruitment	ENSG00000134.14383	0.177469	1.005972	0.176415
ENSG00000111201	POLI	DNA polymerase	ENSG00000134.14383	0.177469	1.005972	0.176415
ENSG0000018867	SYNJ1	synaptojanin	ENSG00000136.07076	0.173071	0.981391	0.176352
ENSG0000013699	ITIH3	inter-alpha-trypsin inhibitor	ENSG0000012.578089	-0.58054	3.292451	-0.17632
ENSG000001100506551	LOC100506551	uncharacterized	ENSG0000012.578089	-0.58054	3.292451	-0.17632
ENSG00000157191	VN1R1	vomeroneurin	ENSG0000012.578089	-0.58054	3.292451	-0.17632
ENSG0000010229939			ENSG0000012.578089	-0.58054	3.292451	-0.17632
ENSG0000010237854			ENSG00000111.16322	-0.28542	1.619279	-0.17626
ENSG00000155553	SOX6	SRY-box 6	ENSG00000138.04476	-0.17064	0.968465	-0.1762
ENSG0000015093	PCBP1	poly(rC) binding	ENSG0000018.466773	0.323808	1.839008	0.176077
ENSG00000129940	DSE	dermatan sulfate	ENSG00000163.593	0.151145	0.858833	0.175989
ENSG00000110482	NXF1	nuclear RNA export	ENSG00000158.50064	-0.15044	0.855123	-0.17593
ENSG000001283820	NOMO2	NODAL modulator	ENSG00000126.79065	0.19759	1.12362	0.175851
ENSG00000184961	FBXL20	F-box and leucine	ENSG00000154.369	-0.14904	0.84799	-0.17575
ENSG00000155602	CDKN2AIP	CDKN2A inhibitor	ENSG00000113.91943	0.254089	1.445918	0.175728
ENSG000001221476	PI16	peptidase inhibitor	ENSG00000115.63894	0.26562	1.512636	0.1756
ENSG0000017286	TUFT1	tuftelin 1	ENSG0000016.679387	0.352534	2.009521	0.175432
ENSG00000164785	GIN53	GIN5 complex	ENSG0000016.679387	0.352534	2.009521	0.175432
ENSG00000123587	ELP5	elongator complex	ENSG00000117.56208	0.229959	1.311628	0.175323
ENSG0000016727	SRP14	signal recognition	ENSG000001101.2012	0.128945	0.735754	0.175256
ENSG0000016482	ST3GAL1	ST3 beta-galactosyl	ENSG000001367.7516	0.094659	0.540653	0.175083
ENSG0000019994	CASP8AP2	caspase 8 activator	ENSG00000156.52519	0.145897	0.833494	0.175043

ENSG000001196074	METTL15	methyltran	ENSG000001195183	-0.2227	1.274076	-0.17479
ENSG00000126984	SEC22A	SEC22 hom	ENSG0000019061565	-0.31171	1.784786	-0.17465
ENSG00000126084	ARHGEF26	Rho guanir	ENSG0000019061565	-0.31171	1.784786	-0.17465
ENSG000001137695	TMEM68	transmembr	ENSG0000019061565	-0.31171	1.784786	-0.17465
ENSG00000164223	MLST8	MTOR assoc	ENSG0000019061565	-0.31171	1.784786	-0.17465
ENSG00000155621	TRMT1	tRNA meth	ENSG0000019061565	-0.31171	1.784786	-0.17465
ENSG0000014999	ORC2	origin reco	ENSG00000131.83658	-0.18333	1.049901	-0.17461
ENSG00000155132	LARP1B	La ribonuc	ENSG00000140.0295	-0.16737	0.958563	-0.17461
ENSG0000014942	OAT	ornithine a	ENSG00000147.0276	0.16132	0.924466	0.174501
ENSG00000127436	EML4	echinoderr	ENSG00000127.7175	-0.19215	1.101223	-0.17449
ENSG000001158431	ZNF782	zinc finger	ENSG00000115.36025	-0.24655	1.413061	-0.17448
ENSG0000011773	DNASE1	deoxyribor	ENSG00000115.36025	-0.24655	1.413061	-0.17448
ENSG00000122838	RNF44	ring finger	ENSG00000121.28267	0.210635	1.207456	0.174445
ENSG000001728621	CCDC30	coiled-coil	ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG0000017849	PAX8	paired box	ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG0000010226709			ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG0000017006	TEC	tec protein	ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG0000010169075			ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG00000124146	CLDN15	claudin 15	ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG000001401431	ATP6V0E2	ATP6V0E2	ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG0000010280088			ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG00000155592	GOLGA2P5	GOLGA2 p5	ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG000001100271722	LINC00899	long interg	ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG000001100463488	MTRNR2L1	MT-RNR2 L	ENSG0000013.143587	0.492434	2.82325	0.174421
ENSG0000017709	ZBTB17	zinc finger	ENSG0000019.045218	-0.31665	1.815519	-0.17441
ENSG0000011965	EIF2S1	eukaryotic	ENSG00000175.22494	0.132352	0.758919	0.174395
ENSG00000123585	TMEM50A	transmembr	ENSG00000150.87139	0.152685	0.875966	0.174305
ENSG0000016120	RPE	ribulose-5-	ENSG00000119.47933	-0.22072	1.266484	-0.17428
ENSG0000012992	GYG1	glycogenin	ENSG00000164.91376	-0.1491	0.855603	-0.17426
ENSG000001285331	CCDC66	coiled-coil	ENSG00000131.83031	-0.17988	1.034122	-0.17394
ENSG0000017188	TRAF5	TNF recept	ENSG0000018.450426	0.316044	1.817036	0.173934
ENSG0000011838	DTNB	dystrobrev	ENSG0000018.450426	0.316044	1.817036	0.173934
ENSG0000019187	SLC24A1	solute carr	ENSG0000018.450426	0.316044	1.817036	0.173934
ENSG000001101060684	NBPF26	NBPF mem	ENSG00000110.26044	0.289332	1.664711	0.173803
ENSG000001440104	TMEM198	transmembr	ENSG0000016.920939	-0.34961	2.015528	-0.17346
ENSG000001105370854	LOC105370	uncharacter	ENSG0000016.920939	-0.34961	2.015528	-0.17346
ENSG00000110544	PROCR	protein C r	ENSG0000016.920939	-0.34961	2.015528	-0.17346
ENSG00000185236	HIST1H2BK	histone clu	ENSG0000018.489398	0.312309	1.802022	0.17331
ENSG000001222553	SLC35F1	solute carr	ENSG0000018.489398	0.312309	1.802022	0.17331
ENSG00000157406	ABHD6	abhydrolas	ENSG00000110.29941	0.286127	1.652046	0.173196
ENSG000001100505573	INAFM2	InaF motif	ENSG00000117.47825	-0.23553	1.36024	-0.17316
ENSG0000010221844			ENSG0000019.100538	-0.31581	1.825479	-0.173
ENSG00000151070	NOSIP	nitric oxide	ENSG00000115.75207	0.237643	1.374301	0.172919
ENSG00000129107	NXT1	nuclear tra	ENSG0000014.892001	0.400626	2.318178	0.172819
ENSG000001205564	SENP5	SUMO spe	ENSG00000156.32483	-0.14425	0.837031	-0.17234
ENSG000001440515	ZNF506	zinc finger	ENSG00000135.88779	-0.17024	0.988171	-0.17228
ENSG0000013075	CFH	compleme	ENSG000001153.919	0.133273	0.773594	0.172277

ENSG000001285512	FAM13A-A	FAM13A ar	ENSG000001	9.022593	-0.30798	1.78785	-0.17226
ENSG00000157763	ANKRA2	ankyrin re	ENSG000001	9.022593	-0.30798	1.78785	-0.17226
ENSG00000154677	CROT	carnitine O	ENSG000001	9.022593	-0.30798	1.78785	-0.17226
ENSG000001653319	KIAA0895L	KIAA0895 l	ENSG000001	9.022593	-0.30798	1.78785	-0.17226
ENSG00000191603	ZNF830	zinc finger	ENSG000001	9.022593	-0.30798	1.78785	-0.17226
ENSG00000154438	GFOD1	glucose-fru	ENSG000001	142.1629	0.121275	0.705173	0.171979
ENSG000001101927084	LINC01359	long interg	ENSG000001	11.14687	-0.28891	1.681087	-0.17186
ENSG00000127183	VPS4A	vacuolar pr	ENSG000001	46.09814	-0.15464	0.899985	-0.17182
ENSG0000019924	PAN2	poly(A) spe	ENSG000001	44.08699	-0.16052	0.934353	-0.1718
ENSG00000192579	G6PC3	glucose-6-ph	ENSG000001	15.79104	0.235373	1.370309	0.171766
ENSG00000151426	POLK	DNA polynr	ENSG000001	46.15346	-0.155	0.902683	-0.17171
ENSG00000122876	INPP5F	inositol pol	ENSG000001	13.2259	-0.2645	1.541715	-0.17156
ENSG0000015792	PTPRF	protein tyr	ENSG000001	12.03148	0.273888	1.596805	0.171522
ENSG0000016184	RPN1	ribophorin	ENSG000001	118.1512	0.117665	0.686228	0.171466
ENSG00000123431	AP4E1	adaptor rel	ENSG000001	27.71122	-0.18802	1.097125	-0.17138
ENSG00000157591	MRTFA	myocardin	ENSG000001	30.57912	0.179249	1.046438	0.171294
ENSG00000154985	HCFC1R1	host cell fa	ENSG000001	17.36133	-0.22885	1.337157	-0.17115
ENSG0000016811	STX5	syntaxin 5	ENSG000001	21.26633	0.208228	1.217625	0.171011
ENSG0000010228327			ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG0000010232034			ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG00000157415	C3orf14	chromosom	ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG000001646652	LOC646652	integral me	ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG000001100506674	MRPS30-D	MRPS30 di	ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG000001100129654	TCF24	transcripti	ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG0000010270589			ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG00000123491	CES3	carboxyles	ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG0000017732	RNF112	ring finger	ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG0000010267390			ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG0000015143	PDE4C	phosphodi	ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG0000010270012			ENSG000001	2.555464	-0.55031	3.219487	-0.17093
ENSG000001152503	SH3D19	SH3 domai	ENSG000001	259.3338	-0.09892	0.579508	-0.17069
ENSG00000151256	TBC1D7	TBC1 domæ	ENSG000001	13.94206	0.247307	1.449048	0.170669
ENSG000001112398	EGLN2	egl-9 famil	ENSG000001	13.94206	0.247307	1.449048	0.170669
ENSG00000155191	NADSYN1	NAD synth	ENSG000001	30.56278	0.177782	1.042692	0.170503
ENSG00000180209	PROSER1	proline anc	ENSG000001	30.5238	0.179189	1.051423	0.170425
ENSG00000110168	ZNF197	zinc finger	ENSG000001	31.77498	-0.17956	1.053922	-0.17037
ENSG00000125953	PNKD	PNKD, MBL	ENSG000001	28.73014	0.181783	1.067429	0.1703
ENSG00000111326	VSIG4	V-set and i	ENSG000001	74.29116	0.427942	2.51631	0.170067
ENSG000001340252	ZNF680	zinc finger	ENSG000001	50.22729	-0.14958	0.879561	-0.17006
ENSG00000126151	NAT9	N-acetyltra	ENSG000001	13.24852	-0.26985	1.587505	-0.16998
ENSG0000018291	DYSF	dysferlin	ENSG000001	176.1724	0.110832	0.652062	0.169971
ENSG0000011503	CTPS1	CTP syntha	ENSG000001	13.21962	-0.2554	1.505369	-0.16966
ENSG00000190693	CCDC126	coiled-coil	ENSG000001	13.21962	-0.2554	1.505369	-0.16966
ENSG00000155558	PLXNA3	plexin A3	ENSG000001	17.58471	0.224826	1.326041	0.169547
ENSG0000017596	ZNF45	zinc finger	ENSG000001	23.17691	0.19739	1.164261	0.169541
ENSG00000156605	ERO1B	endoplasm	ENSG000001	17.37768	-0.22642	1.335593	-0.16953
ENSG000001400258	C14orf180	chromosom	ENSG000001	21.48041	-0.20875	1.23154	-0.16951

ENSG000001497661	C18orf32	chromosom	ENSG0000014930973	0.394877	2.330089	0.169469
ENSG00000154943	DNAJC28	DnaJ heat s	ENSG0000014930973	0.394877	2.330089	0.169469
ENSG00000111198	SUPT16H	SPT16 hom	ENSG00000192.1989	0.12118	0.715105	0.169457
ENSG00000180314	EPC1	enhancer c	ENSG00000145.27919	0.15834	0.934475	0.169442
ENSG00000179868	ALG13	ALG13, UD	ENSG00000133.82511	-0.17136	1.011478	-0.16941
ENSG000001284106	CISD3	CDGSH iro	ENSG00000119.41773	-0.21468	1.267796	-0.16933
ENSG00000163917	GALNT11	polypeptid	ENSG00000129.72865	-0.18036	1.065166	-0.16933
ENSG00000154813	KLHL28	kelch like f	ENSG00000129.72865	-0.18036	1.065166	-0.16933
ENSG0000017109	TRAPPC10	trafficking	ENSG00000147.32931	0.149819	0.885169	0.169255
ENSG0000011802	DPH2	DPH2 hom	ENSG00000115.29865	-0.23891	1.411559	-0.16925
ENSG000001611	OPN1SW	opsin 1, sh	ENSG0000016.881966	-0.34482	2.039633	-0.16906
ENSG000001220164	DOK6	docking pr	ENSG0000016.881966	-0.34482	2.039633	-0.16906
ENSG0000013066	HDAC2	histone de	ENSG00000141.75346	0.15629	0.925195	0.168927
ENSG0000011173	AP2M1	adaptor rel	ENSG000001169.0744	0.106016	0.62778	0.168874
ENSG000001116115	ZNF526	zinc finger	ENSG0000016.904592	-0.35561	2.109052	-0.16861
ENSG00000181876	RAB1B	RAB1B, me	ENSG00000139.939	-0.15983	0.948001	-0.1686
ENSG00000150488	MINK1	misshapen	ENSG00000164.15745	0.134442	0.79768	0.168542
ENSG000001112840	WDR89	WD repeat	ENSG0000018.411453	0.320984	1.910092	0.168046
ENSG00000160674	GAS5	growth arr	ENSG00000119.45632	0.212425	1.264456	0.167997
ENSG00000192105	INTS4	integrator	ENSG00000119.40139	-0.21668	1.290106	-0.16796
ENSG00000157017	COQ9	coenzyme	ENSG000001127.8664	-0.11844	0.705322	-0.16792
ENSG000001285346	ZNF852	zinc finger	ENSG0000016.702012	0.337349	2.009213	0.167901
ENSG000001439950	CELF2-AS2	CELF2 anti	ENSG0000016.702012	0.337349	2.009213	0.167901
ENSG00000111158	RABL2B	RAB, meml	ENSG0000016.702012	0.337349	2.009213	0.167901
ENSG0000015581	PRKCE	protein kin	ENSG00000131.78505	-0.17504	1.044052	-0.16766
ENSG00000157403	RAB22A	RAB22A, m	ENSG00000143.98014	-0.15448	0.921848	-0.16758
ENSG00000125884	CHRD12	chordin lik	ENSG0000014.757688	-0.40582	2.421974	-0.16756
ENSG00000110284	SAP18	Sin3A asso	ENSG00000181.00821	0.124497	0.743303	0.167492
ENSG00000154663	WDR74	WD repeat	ENSG0000018.999967	-0.29899	1.78585	-0.16742
ENSG00000129090	TIMM21	translocase	ENSG00000147.16466	0.163435	0.976633	0.167345
ENSG0000016683	SPAST	spastin	ENSG00000123.51419	-0.1956	1.169247	-0.16729
ENSG0000011662	DDX10	DEAD-box	ENSG00000123.51419	-0.1956	1.169247	-0.16729
ENSG000001138151	NACC2	NACC fami	ENSG00000167.88432	0.131766	0.7881	0.167194
ENSG00000155659	ZNF416	zinc finger	ENSG0000014.74134	-0.41539	2.487798	-0.16697
ENSG0000018603	FAM193A	family with	ENSG00000151.05618	0.145051	0.869009	0.166915
ENSG0000019054	NFS1	NFS1, cyste	ENSG00000121.47414	-0.20328	1.218212	-0.16686
ENSG00000194005	PIGS	phosphatic	ENSG00000135.80357	-0.16476	0.987459	-0.16685
ENSG0000016598	SMARCB1	SWI/SNF re	ENSG00000125.55425	-0.18913	1.133968	-0.16678
ENSG000001929	CD14	CD14 mole	ENSG00000120.90302	0.241922	1.450556	0.166779
ENSG000001100127983	C8orf88	chromosom	ENSG0000018.512024	0.300658	1.803604	0.166698
ENSG00000157558	USP35	ubiquitin s	ENSG0000018.512024	0.300658	1.803604	0.166698
ENSG00000192154	MTSS1L	MTSS1L, I-f	ENSG00000119.37876	-0.2127	1.276128	-0.16668
ENSG0000018844	KSR1	kinase sup	ENSG00000112.09307	0.262981	1.578778	0.166573
ENSG000001221178	SPATA13	spermatog	ENSG00000131.70711	-0.17236	1.03545	-0.16646
ENSG000001790	CAD	carbamoyl	ENSG00000121.3669	0.200349	1.204179	0.166378
ENSG00000128960	DCPS	decapping	ENSG0000018.528371	0.308099	1.852103	0.166351
ENSG0000019786	KIAA0586	KIAA0586	ENSG00000132.49598	0.169002	1.016933	0.166188

ENSG000001553115	PEF1	penta-EF-h	ENSG0000012879174	0.177309	1.067249	0.166137
ENSG0000017093	TLL2	tolloid like	ENSG0000011023153	0.311501	1.875217	0.166114
ENSG00000190411	MCFD2	multiple cc	ENSG000001135.5149	0.107382	0.647299	0.165892
ENSG0000019968	MED12	mediator c	ENSG00000152.08883	-0.1431	0.8636	-0.1657
ENSG000001100507557	LOC100507	uncharacte	ENSG0000016.740985	0.332877	2.011555	0.165482
ENSG00000129127	RACGAP1	Rac GTPase	ENSG0000016.740985	0.332877	2.011555	0.165482
ENSG000001124402	UBALD1	UBA like d	ENSG0000014.718715	-0.39919	2.412474	-0.16547
ENSG00000184245	MRI1	methythio	ENSG0000014.718715	-0.39919	2.412474	-0.16547
ENSG00000110178	TENM1	teneurin tr	ENSG0000014.718715	-0.39919	2.412474	-0.16547
ENSG0000017597	ZBTB25	zinc finger	ENSG00000139.8774	-0.15682	0.947936	-0.16543
ENSG0000010259959			ENSG00000111.21854	-0.28583	1.732212	-0.16501
ENSG000001219771	CCNY	cyclin Y	ENSG00000193.02831	-0.12334	0.747901	-0.16492
ENSG00000110592	SMC2	structural r	ENSG00000123.47522	-0.19391	1.175946	-0.1649
ENSG0000015439	POLR2J	RNA polym	ENSG00000114.00366	0.23807	1.443751	0.164897
ENSG000001284207	METRNL	meteorin li	ENSG00000114.00366	0.23807	1.443751	0.164897
ENSG0000014958	OMD	osteomod	ENSG00000114.02	0.242129	1.468489	0.164883
ENSG00000110523	CHERP	calcium ho	ENSG0000016.859341	-0.33313	2.021363	-0.16481
ENSG00000151466	EVL	Enah/Vasp	ENSG00000133.72454	-0.16656	1.01078	-0.16478
ENSG0000019444	QKI	QKI, KH do	ENSG000001719.9424	0.085247	0.517755	0.164647
ENSG00000129078	NDUFAF4	NADH:ubic	ENSG00000128.78546	0.181637	1.104084	0.164514
ENSG00000123647	ARFIP2	ADP ribosy	ENSG00000115.2207	-0.23406	1.423326	-0.16445
ENSG0000013601	IL15RA	interleukin	ENSG00000115.26595	-0.24375	1.484222	-0.16423
ENSG00000160468	BACH2	BTB domai	ENSG0000018.960995	-0.29522	1.798415	-0.16416
ENSG0000019474	ATG5	autophagy	ENSG00000111.06265	-0.27172	1.655331	-0.16415
ENSG00000111334	TUSC2	tumor sup	ENSG00000126.94275	0.179822	1.096308	0.164025
ENSG0000019360	PPIG	peptidylpr	ENSG00000184.60155	-0.12089	0.737117	-0.16401
ENSG0000019854	C2CD2L	C2CD2 like	ENSG00000115.23705	-0.23124	1.410976	-0.16389
ENSG00000123247	KIAA0556	KIAA0556	ENSG00000123.25485	0.193887	1.183874	0.163774
ENSG00000155103	RALGPS2	Ral GEF wi	ENSG00000127.58803	-0.17941	1.096048	-0.16368
ENSG00000151593	SRRT	serrate, RN	ENSG00000137.78203	-0.15883	0.97153	-0.16348
ENSG00000110939	AFG3L2	AFG3 like r	ENSG000001176.9204	0.100497	0.615052	0.163397
ENSG00000122890	ZBTB1	zinc finger	ENSG00000145.5809	0.146477	0.896544	0.163379
ENSG0000019790	BMS1	BMS1, ribo	ENSG00000170.45692	-0.12892	0.789377	-0.16332
ENSG00000123240	TMEM131	transmem	ENSG00000129.61173	-0.17611	1.078376	-0.16331
ENSG00000183604	TMEM47	transmem	ENSG00000168.32257	-0.12821	0.785415	-0.16324
ENSG00000111164	NUDT5	nudix hydr	ENSG00000117.27711	-0.2175	1.334074	-0.16303
ENSG00000190317	ZNF616	zinc finger	ENSG00000114.04263	0.235577	1.445942	0.162923
ENSG00000123125	CAMTA2	calmodulin	ENSG00000139.85478	-0.15491	0.950848	-0.16292
ENSG0000011021	CDK6	cyclin depe	ENSG00000183.0807	-0.13224	0.811945	-0.16286
ENSG0000019859	CEP170	centrosom	ENSG00000164.31962	0.129629	0.796139	0.162822
ENSG0000012625	GATA3	GATA bind	ENSG0000014.953599	0.373801	2.296996	0.162735
ENSG00000184318	CCDC77	coiled-coil	ENSG0000014.953599	0.373801	2.296996	0.162735
ENSG000001105370526	LOC105370	uncharacte	ENSG0000014.953599	0.373801	2.296996	0.162735
ENSG00000192922	CCDC102A	coiled-coil	ENSG0000014.953599	0.373801	2.296996	0.162735
ENSG0000016670	SP3	Sp3 transcr	ENSG00000186.65194	0.120508	0.740603	0.162716
ENSG000001345557	PLCXD3	phosphatic	ENSG000001254.4743	-0.09355	0.57509	-0.16266
ENSG0000019826	ARHGEF11	Rho guanir	ENSG000001100.741	-0.11366	0.69897	-0.16261

ENSG00000123659	PLA2G15	phospholipase A2	ENSG00000123659	21.45151	-0.19963	1.22887	-0.16245
ENSG00000157721	METTL14	methyltransferase	ENSG00000157721	32.55758	0.165052	1.016173	0.162425
ENSG00000191252	SLC39A13	solute carrier family 39 member 13	ENSG00000191252	21.41254	-0.19776	1.217649	-0.16241
ENSG0000013475	IFRD1	interferon regulatory factor 1	ENSG0000013475	41.75974	0.153508	0.945195	0.162409
ENSG00000155069	TMEM248	transmembrane protein 248	ENSG00000155069	78.416	-0.1226	0.75498	-0.16239
ENSG00000183746	L3MBTL2	L3MBTL2, protein	ENSG00000183746	21.38952	0.196144	1.208487	0.162305
ENSG00000159338	PLEKHA1	pleckstrin homology domain containing A1	ENSG00000159338	122.3106	0.112606	0.694571	0.162123
ENSG00000184918	LRP11	LDL receptor-related protein 11	ENSG00000184918	15.19808	-0.22885	1.411698	-0.16211
ENSG0000019328	GTF3C5	general transcription factor 3C5	ENSG0000019328	25.54797	-0.18458	1.139481	-0.16199
ENSG000001162394	SLFN5	schlafen family member 5	ENSG000001162394	97.92685	0.115805	0.715425	0.161868
ENSG00000155636	CHD7	chromodomain helicase domain protein 7	ENSG00000155636	96.68351	-0.11453	0.708646	-0.16162
ENSG0000016257	RXRB	retinoid X receptor beta	ENSG0000016257	38.17241	0.154536	0.957151	0.161455
ENSG0000015935	RBM3	RNA binding motif protein 3	ENSG0000015935	88.30606	0.124194	0.769714	0.161351
ENSG00000123705	CADM1	cell adhesion molecule 1	ENSG00000123705	52.47856	-0.15318	0.949736	-0.16128
ENSG000001729515	TMEM242	transmembrane protein 242	ENSG000001729515	15.89161	0.224744	1.393601	0.161269
ENSG0000013008	HIST1H1E	histone cluster 1, H1e	ENSG0000013008	53.07741	0.141499	0.878334	0.161099
ENSG00000154878	DPP8	dipeptidyl peptidase 8	ENSG00000154878	99.89903	0.113461	0.70462	0.161024
ENSG00000185031			ENSG00000185031	3.205185	0.450116	2.800527	0.160726
ENSG000001389289	ANXA2R	annexin A2 receptor	ENSG000001389289	3.205185	0.450116	2.800527	0.160726
ENSG00000126167	PCDHB5	protocadherin B5	ENSG00000126167	3.205185	0.450116	2.800527	0.160726
ENSG000001101927096	CLMAT3	colorectal metastasis associated 3	ENSG000001101927096	3.205185	0.450116	2.800527	0.160726
ENSG00000180346	REEP4	receptor expression modulator 4	ENSG00000180346	3.205185	0.450116	2.800527	0.160726
ENSG0000015896	RAG1	recombinase 1	ENSG0000015896	3.205185	0.450116	2.800527	0.160726
ENSG000001146336	SSTR5-AS1	SSTR5 antisense 1	ENSG000001146336	3.205185	0.450116	2.800527	0.160726
ENSG0000012622	GAS8	growth arrest specific 8	ENSG0000012622	3.205185	0.450116	2.800527	0.160726
ENSG0000010266208			ENSG0000010266208	3.205185	0.450116	2.800527	0.160726
ENSG00000190075	ZNF30	zinc finger protein 30	ENSG00000190075	3.205185	0.450116	2.800527	0.160726
ENSG00000160437	CDH26	cadherin 26	ENSG00000160437	3.205185	0.450116	2.800527	0.160726
ENSG0000013053	SERPIND1	serpin family D member 1	ENSG0000013053	3.205185	0.450116	2.800527	0.160726
ENSG00000155086	RADX	RPA1 related protein	ENSG00000155086	3.205185	0.450116	2.800527	0.160726
ENSG000001152006	RNF38	ring finger protein 38	ENSG000001152006	62.31474	0.132845	0.827895	0.160461
ENSG00000183539	CHST9	carbohydrate sulfotransferase 9	ENSG00000183539	13.45974	-0.2852	1.778548	-0.16036
ENSG00000123420	NOMO1	NODAL modulator 1	ENSG00000123420	62.50961	0.128673	0.803677	0.160106
ENSG00000126005	C2CD3	C2 calcium domain containing 3	ENSG00000126005	39.83215	-0.15302	0.956293	-0.16001
ENSG00000184922	FIZ1	FLT3 interactor 1	ENSG00000184922	8.93837	-0.28618	1.789007	-0.15997
ENSG00000179002	TRIR	telomerase RNA interacting protein	ENSG00000179002	32.58021	0.162413	1.017695	0.159589
ENSG000001153396	TMEM1611	transmembrane protein 1611	ENSG000001153396	17.25448	-0.21285	1.334805	-0.15946
ENSG00000156902	PNO1	partner of NODAL	ENSG00000156902	6.76361	0.317954	1.995551	0.159331
ENSG0000010230733			ENSG0000010230733	6.76361	0.317954	1.995551	0.159331
ENSG000001729013	ZBED5-AS1	ZBED5 antisense 1	ENSG000001729013	6.76361	0.317954	1.995551	0.159331
ENSG0000019479	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	ENSG0000019479	6.76361	0.317954	1.995551	0.159331
ENSG00000155646	LYAR	Ly1 antibody receptor	ENSG00000155646	8.573621	0.285459	1.793698	0.159145
ENSG00000179023	NUP37	nucleoporin 37	ENSG00000179023	8.573621	0.285459	1.793698	0.159145
ENSG00000151367	POP5	POP5 homolog	ENSG00000151367	14.06525	0.228895	1.439863	0.15897
ENSG00000194015	TTYH2	tweety family member 2	ENSG00000194015	36.07638	-0.17465	1.098659	-0.15897
ENSG00000122918	CD93	CD93 molecule	ENSG00000122918	190.3158	0.095287	0.601055	0.158533
ENSG00000154753	ZNF853	zinc finger protein 853	ENSG00000154753	11.05637	-0.26051	1.644522	-0.15841



ENSG00000184376	HOOK3	hook micrc	ENSG000001133.935	0.102649	0.648011	0.158406
ENSG0000019870	AREL1	apoptosis r	ENSG00000156.93375	0.13137	0.829972	0.158282
ENSG0000010261167			ENSG0000014.69609	-0.38192	2.419897	-0.15783
ENSG00000179667	KLF3-AS1	KLF3 antise	ENSG0000014.69609	-0.38192	2.419897	-0.15783
ENSG0000010223508			ENSG0000014.69609	-0.38192	2.419897	-0.15783
ENSG00000179697	RIOX1	ribosomal	ENSG0000014.69609	-0.38192	2.419897	-0.15783
ENSG0000013682	ITGAE	integrin su	ENSG0000014.69609	-0.38192	2.419897	-0.15783
ENSG0000010232043			ENSG0000014.69609	-0.38192	2.419897	-0.15783
ENSG00000151337	THEM6	thioesteras	ENSG00000110.42261	0.261021	1.653921	0.15782
ENSG00000190701	SEC11C	SEC11 hom	ENSG00000110.42261	0.261021	1.653921	0.15782
ENSG000001604	BCL6	B cell CLL/I	ENSG000001144.3625	0.111303	0.705713	0.157717
ENSG00000157552	NCEH1	neutral chc	ENSG00000184.37779	-0.11589	0.734968	-0.15767
ENSG00000123039	XPO7	exportin 7	ENSG00000178.28652	-0.11832	0.751674	-0.15741
ENSG00000110873	ME3	malic enzy	ENSG00000131.60026	-0.16368	1.040171	-0.15736
ENSG0000018027	STAM	signal tran	ENSG00000145.7041	0.140839	0.895026	0.157358
ENSG00000180045	GPR157	G protein-c	ENSG00000129.66078	-0.17276	1.098743	-0.15723
ENSG0000019936	CD302	CD302 mol	ENSG00000115.20436	-0.23589	1.502078	-0.15704
ENSG000001663	BNIP2	BCL2 inter	ENSG000001160.3223	0.09826	0.627116	0.156686
ENSG000001338657	CCDC84	coiled-coil	ENSG00000119.27819	-0.20441	1.305854	-0.15653
ENSG00000111124	FAF1	Fas associa	ENSG00000175.73407	0.118918	0.760084	0.156454
ENSG0000011027	CDKN1B	cyclin depe	ENSG00000160.68325	0.127178	0.813299	0.156373
ENSG0000018192	CLPP	caseinolyti	ENSG00000114.10423	0.226384	1.447926	0.15635
ENSG00000179885	HDAC11	histone de	ENSG00000136.20402	0.16916	1.082736	0.156234
ENSG00000155811	ADCY10	adenylate	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010231615			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG00000189884	LHX4	LIM homec	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010223401			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG000001100129583	FAM47E	family with	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010270387			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG000001648987	LOC648987	uncharacte	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG000001100874372	ARHGAP26	ARHGAP26	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010272341			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010230333			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000019134	CCNE2	cyclin E2	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010215548			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG000001389941	C1QL3	compleme	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000011305	COL13A1	collagen ty	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG00000110360	NPM3	nucleopho	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010271500			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG00000183461	CDCA3	cell divisio	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010247287			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG00000126153	KIF26A	kinesin fan	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG000001101928527	PIGBOS1	PIGB oppo	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010261630			ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000014157	MC1R	melanocor	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG00000179414	LRFN3	leucine ric	ENSG0000012.493866	-0.50713	3.24902	-0.15609
ENSG0000010276317			ENSG0000012.493866	-0.50713	3.24902	-0.15609

ENSG00000153349	ZFYVE1	zinc finger	ENSG0000012340734	-0.18382	1.178208	-0.15602
ENSG00000110388	SYCP2	synaptonemal	ENSG0000018612594	0.281731	1.806086	0.15599
ENSG0000010242687			ENSG0000016797743	-0.31647	2.030481	-0.15586
ENSG00000157474	ZNF490	zinc finger	ENSG0000016797743	-0.31647	2.030481	-0.15586
ENSG00000179056	PRRG4	proline rich	ENSG0000014914626	0.381179	2.447392	0.155749
ENSG00000179269	DCAF10	DDB1 and	ENSG00000133.585	-0.16037	1.03025	-0.15566
ENSG0000017205	TRIP6	thyroid hor	ENSG0000016802583	0.313394	2.017939	0.155304
ENSG0000010281490			ENSG00000117.7695	0.202936	1.306981	0.155271
ENSG00000184132	USP42	ubiquitin s	ENSG00000123.35202	-0.18377	1.184091	-0.1552
ENSG000001140459	ASB6	ankyrin re	ENSG00000113.05745	-0.23496	1.514267	-0.15517
ENSG0000019040	UBE2M	ubiquitin c	ENSG00000131.52232	-0.16102	1.039773	-0.15486
ENSG0000016059	ABCE1	ATP bindin	ENSG00000147.6373	0.13626	0.881901	0.154507
ENSG000001377007	KLHL30	kelch like f	ENSG00000121.56843	-0.20667	1.337884	-0.15448
ENSG00000110844	TUBGCP2	tubulin gar	ENSG00000138.2956	0.147808	0.958046	0.15428
ENSG00000110270	AKAP8	A-kinase ar	ENSG00000134.19535	0.170118	1.102671	0.154278
ENSG0000011842	ECM2	extracellul	ENSG00000125.42477	-0.17521	1.136373	-0.15419
ENSG000001688	KLF5	Kruppel lik	ENSG0000014.657117	-0.37524	2.437289	-0.15396
ENSG00000151339	DACT1	dishevellec	ENSG0000014.657117	-0.37524	2.437289	-0.15396
ENSG00000155033	FKBP14	FK506 bind	ENSG00000119.23294	-0.1964	1.275877	-0.15393
ENSG0000014300	MLLT3	MLLT3, sup	ENSG00000121.32832	-0.18851	1.224699	-0.15392
ENSG00000122911	WDR47	WD repeat	ENSG00000127.10492	0.168817	1.096771	0.153922
ENSG000001388536	ZNF790	zinc finger	ENSG00000115.15283	-0.21825	1.422341	-0.15345
ENSG00000125855	BRMS1	BRMS1, tra	ENSG00000110.44523	0.25181	1.64139	0.153413
ENSG0000019061	PAPSS1	3'-phospho	ENSG00000114.08788	0.222297	1.449435	0.153368
ENSG00000123299	BICD2	BICD cargo	ENSG00000162.67178	0.123733	0.807052	0.153315
ENSG00000192181	UBTD2	ubiquitin d	ENSG00000121.28934	-0.18668	1.218446	-0.15321
ENSG00000179888	LPCAT1	lysophosph	ENSG00000121.47375	0.186031	1.214775	0.15314
ENSG00000123423	TMED3	transmembr	ENSG00000121.47375	0.186031	1.214775	0.15314
ENSG000001578	BAK1	BCL2 antag	ENSG00000112.29421	0.235848	1.540824	0.153066
ENSG00000128986	MAGEH1	MAGE fam	ENSG00000112.29421	0.235848	1.540824	0.153066
ENSG0000012908	NR3C1	nuclear rec	ENSG000001115.3132	0.103567	0.677072	0.152963
ENSG00000164421	DCLRE1C	DNA cross-	ENSG00000110.40626	0.255109	1.667804	0.152961
ENSG00000129919	RMC1	regulator c	ENSG00000114.12685	0.219778	1.43733	0.152907
ENSG000001144571	A2M-AS1	A2M antis	ENSG0000016.875689	-0.32732	2.141013	-0.15288
ENSG0000019842	PLEKHM1	pleckstrin	ENSG00000141.80433	-0.14578	0.953631	-0.15287
ENSG00000123232	TBC1D12	TBC1 dom	ENSG00000119.68008	0.190769	1.248293	0.152824
ENSG000001285362	SUMF1	sulfatase n	ENSG00000123.34535	0.178723	1.169565	0.152812
ENSG00000110452	TOMM40	translocase	ENSG00000123.34535	0.178723	1.169565	0.152812
ENSG00000155802	DCP1A	decapping	ENSG00000157.05695	0.126841	0.830808	0.152671
ENSG00000157531	HACE1	HECT dom	ENSG00000130.79282	0.159626	1.046612	0.152516
ENSG0000011371	CPOX	coproporpl	ENSG00000113.0738	-0.23153	1.51818	-0.1525
ENSG00000151409	HEMK1	HemK met	ENSG00000123.40068	0.179078	1.174421	0.152482
ENSG00000179073	TMEM109	transmembr	ENSG00000162.63908	0.122836	0.806007	0.152401
ENSG0000014324	MMP15	matrix met	ENSG00000131.75615	-0.16991	1.114907	-0.1524
ENSG00000154882	ANKHD1	ankyrin re	ENSG0000018.876772	-0.27327	1.794322	-0.1523
ENSG0000018175	SF3A2	splicing fac	ENSG0000018.876772	-0.27327	1.794322	-0.1523
ENSG000001124512	METTL23	methyltran	ENSG0000015.015196	0.347472	2.284079	0.152128

ENSG00000179898	ZNF613	zinc finger	ENSG00000150151	0.347472	2.284079	0.152128
ENSG000001840	CASP7	caspase 7	ENSG00000192492	-0.19423	1.27886	-0.15188
ENSG0000019230	RAB11B	RAB11B, m	ENSG00000123345	-0.17873	1.176927	-0.15186
ENSG000001408050	NOMO3	NODAL mo	ENSG00000130348	-0.22877	1.508046	-0.1517
ENSG0000011499	CTNNB1	catenin be	ENSG00000126425	0.085818	0.565751	0.151689
ENSG00000157148	RALGAPB	Ral GTPase	ENSG00000111859	-0.10186	0.671893	-0.1516
ENSG000001131408	FAM131A	family with	ENSG00000123347	-0.18051	1.190701	-0.1516
ENSG000001285148	IAH1	isoamyl ac	ENSG00000127127	0.165593	1.092599	0.151559
ENSG00000179035	NABP2	nucleic aci	ENSG00000110958	-0.24673	1.630276	-0.15134
ENSG00000153832	IL20RA	interleukin	ENSG00000186352	0.270424	1.786972	0.151331
ENSG000001159686	CFAP58	cilia and fl	ENSG00000186352	0.270424	1.786972	0.151331
ENSG00000181628	TSC22D4	TSC22 dom	ENSG00000129459	-0.16157	1.067776	-0.15132
ENSG000001144402	CPNE8	copine 8	ENSG00000133568	-0.161	1.064789	-0.1512
ENSG00000154758	KLHDC4	kelch dom	ENSG00000114048	0.225223	1.489648	0.151192
ENSG00000156181	MTFR1L	mitochond	ENSG00000188997	0.111282	0.736287	0.15114
ENSG000001161176	SYNE3	spectrin re	ENSG00000192542	0.111475	0.737717	0.151108
ENSG00000189853	MVB12B	multivesic	ENSG00000121250	-0.18486	1.223643	-0.15107
ENSG00000181790	RNF170	ring finger	ENSG00000115998	0.205227	1.3628	0.150592
ENSG000001222584	FAM83B	family with	ENSG00000131825	0.48026	3.189348	0.150583
ENSG00000110033413	SNORD116	small nucle	ENSG00000131825	0.48026	3.189348	0.150583
ENSG0000016521	SLC4A1	solute carr	ENSG00000131825	0.48026	3.189348	0.150583
ENSG000001152217	NCBP2-AS2	NCBP2 ant	ENSG00000168252	0.298822	1.986666	0.150414
ENSG00000126272	FBXO4	F-box prote	ENSG00000168252	0.298822	1.986666	0.150414
ENSG000001203102	ADAM32	ADAM met	ENSG00000168252	0.298822	1.986666	0.150414
ENSG00000123144	ZC3H3	zinc finger	ENSG00000168252	0.298822	1.986666	0.150414
ENSG00000179830	ZMYM1	zinc finger	ENSG00000117831	0.195732	1.30266	0.150255
ENSG00000110682	EBP	EBP, chole	ENSG00000119193	-0.19432	1.293336	-0.15024
ENSG00000126058	GIGYF2	GRB10 inte	ENSG00000114470	-0.09586	0.638047	-0.15024
ENSG0000017384	UQCRC1	ubiquinol-c	ENSG00000140153	0.083862	0.558385	0.150187
ENSG00000127235	COQ2	coenzyme	ENSG00000117170	-0.20135	1.342963	-0.14993
ENSG00000160526	LDAH	lipid dropl	ENSG00000110484	0.248575	1.658139	0.149912
ENSG00000184464	SLX4	SLX4 struct	ENSG00000110484	0.248575	1.658139	0.149912
ENSG00000151257	MARCH2	membrane	ENSG00000157118	0.12458	0.831424	0.149839
ENSG00000155893	ZNF395	zinc finger	ENSG00000145632	0.140672	0.938836	0.149837
ENSG00000181488	POLR2M	RNA polym	ENSG00000133533	-0.15253	1.018698	-0.14973
ENSG00000151115	RMDN1	regulator c	ENSG00000110414	0.103656	0.69356	0.149455
ENSG000001100996511	LINC01355	long interg	ENSG00000167751	-0.3044	2.039161	-0.14928
ENSG00000184549	MAK16	MAK16 ho	ENSG00000119702	0.186172	1.247326	0.149257
ENSG000001339483	MTMR9LP	myotubula	ENSG00000167862	0.303575	2.034592	0.149207
ENSG00000157404	CYP20A1	cytochrom	ENSG00000117131	-0.19917	1.337116	-0.14895
ENSG00000181576	CCDC130	coiled-coil	ENSG00000117131	-0.19917	1.337116	-0.14895
ENSG000001442582	STAG3L2	stromal an	ENSG00000167587	-0.3112	2.090044	-0.1489
ENSG0000017644	ZNF91	zinc finger	ENSG00000129989	-0.08369	0.562351	-0.14881
ENSG000001161	AP2A2	adaptor re	ENSG00000151448	0.128386	0.863108	0.148749
ENSG00000181555	YIPF5	Yip1 doma	ENSG00000128982	0.159423	1.072201	0.148687
ENSG00000179088	ZNF426	zinc finger	ENSG00000135495	-0.14792	0.995014	-0.14866
ENSG000001284309	ZNF776	zinc finger	ENSG00000125278	0.16741	1.127278	0.148508

ENSG0000019909	DENND4B	DENN domain	59.86063	-0.1218	0.820248	-0.14849
ENSG00000190231	KIAA2013	KIAA2013	27.1112	0.163921	1.104431	0.148421
ENSG00000123178	PASK	PAS domain	2.516491	-0.53543	3.608829	-0.14837
ENSG000001282974	STK32C	serine/threonine kinase	2.516491	-0.53543	3.608829	-0.14837
ENSG000001270550			2.516491	-0.53543	3.608829	-0.14837
ENSG0000015092	PCBD1	pteridine 4-aldolase	38.39617	0.14324	0.967767	0.148011
ENSG00000127229	TUBGCP4	tubulin gamma chain	16.01481	0.208325	1.407621	0.147998
ENSG0000016548	SLC9A1	solute carrier family 9 member 1	23.31017	0.192428	1.300985	0.147909
ENSG0000015252	PHF1	PHD finger domain 1	39.55306	-0.14241	0.962871	-0.1479
ENSG0000018618	CADPS	calcium dependent secretory vesicle trafficking	23.46266	-0.1847	1.250103	-0.14775
ENSG0000019889	ZBED4	zinc finger domain 4	25.31753	0.16583	1.123723	0.147572
ENSG000001627	BDNF	brain derived neurotrophic factor	4.634492	-0.35771	2.424061	-0.14757
ENSG000001283629	TSSK4	testis specific kinase 4	4.634492	-0.35771	2.424061	-0.14757
ENSG0000018748	ADAM20	ADAM metallopeptidase with thrombospondin type 1 motifs 20	4.634492	-0.35771	2.424061	-0.14757
ENSG000001390637	GDPGP1	GDP-D-glucose 4-epimerase 1	4.634492	-0.35771	2.424061	-0.14757
ENSG00000110036	CHAF1A	chromatin assembly factor 1 subunit A	4.634492	-0.35771	2.424061	-0.14757
ENSG00000189927	C16orf45	chromosome 16 open reading frame 45	47.77685	0.131556	0.891598	0.147551
ENSG000001154881	KCTD7	potassium channel tetramerization domain 7	15.1302	-0.2131	1.445581	-0.14742
ENSG0000015891	MOK	MOK protein	15.1302	-0.2131	1.445581	-0.14742
ENSG000001169200	TMEM64	transmembrane protein 64	23.46227	0.173561	1.177536	0.147393
ENSG00000184153	RNASEH2C	ribonuclease H2 subunit C	8.837799	-0.26928	1.82782	-0.14732
ENSG00000123033	DOP1A	DOP1 leucine aminopeptidase domain	57.1638	0.121794	0.827865	0.147118
ENSG0000017746	ZSCAN9	zinc finger protein 9	15.05226	-0.20804	1.414875	-0.14704
ENSG0000019203	ZMYM3	zinc finger protein 3	36.54719	0.143574	0.977157	0.146931
ENSG0000013376	IARS	isoleucyl-tRNA synthetase	138.7001	-0.09614	0.654858	-0.14681
ENSG0000018945	BTRC	beta-transducin gamma chain	68.02465	-0.11758	0.801138	-0.14677
ENSG0000017767	ZNF224	zinc finger protein 224	6.736146	-0.2996	2.04318	-0.14663
ENSG00000123335	WDR7	WD repeat domain 7	67.87503	-0.11593	0.791107	-0.14654
ENSG000001576	ADGRB2	adhesion G protein-coupled receptor class B member 2	8.854146	-0.26403	1.80301	-0.14644
ENSG00000154107	POLE3	DNA polymerase epsilon subunit 3	23.24518	-0.17193	1.174218	-0.14642
ENSG000001100507602	TRIM52-AS1	TRIM52 antisense 1	14.1105	0.215978	1.475272	0.146399
ENSG0000011892	ECHS1	enoyl-CoA hydratase	137.0397	-0.10112	0.690884	-0.14637
ENSG00000155092	TMEM51	transmembrane protein 51	3.266783	0.408819	2.794584	0.14629
ENSG000001179978			3.266783	0.408819	2.794584	0.14629
ENSG000001347240	KIF24	kinesin family class II member 24	3.266783	0.408819	2.794584	0.14629
ENSG000001100129075	KTN1-AS1	KTN1 antisense 1	3.266783	0.408819	2.794584	0.14629
ENSG00000123508	TTC9	tetratricopeptide repeat domain 9	3.266783	0.408819	2.794584	0.14629
ENSG00000154857	GDPD2	glycerophosphodiester phosphodiesterase 2	3.266783	0.408819	2.794584	0.14629
ENSG0000015325	PLAGL1	PLAG1 like domain 1	34.62026	0.146379	1.000695	0.146278
ENSG00000158505	OSTC	oligosaccharyl transferase	16.02109	0.19947	1.363821	0.146258
ENSG00000184128	WDR75	WD repeat domain 75	29.35906	-0.1561	1.067537	-0.14623
ENSG00000151497	NELFCD	negative elongation factor complex subunit D	29.35906	-0.1561	1.067537	-0.14623
ENSG00000192126	DSEL	dermatan sulfate lyase	10.50683	0.239521	1.638164	0.146213
ENSG00000122926	ATF6	activating transcription factor 6	92.10055	-0.10508	0.718992	-0.14615
ENSG00000122871	NLGN1	neuroligin 1	21.18877	-0.17927	1.227481	-0.14605
ENSG000001949	SCARB1	scavenger receptor class B member 1	13.05118	-0.22554	1.546047	-0.14588
ENSG00000125960	ADGRA2	adhesion G protein-coupled receptor class A member 2	12.35581	0.22532	1.545323	0.145808

ENSG00000180206	FHOD3	formin hom	ENSG000001445.4205	0.08018	0.550265	0.145711
ENSG0000011356	CP	ceruloplas	ENSG00000125.39836	-0.18136	1.245699	-0.14559
ENSG00000184294	UTP23	UTP23, sm	ENSG00000112.97323	-0.21979	1.511343	-0.14543
ENSG00000123207	PLEKHM2	pleckstrin l	ENSG00000192.07792	-0.10433	0.717445	-0.14542
ENSG00000179640	C22orf46	chromosom	ENSG00000130.94871	0.154008	1.060416	0.145234
ENSG00000180308	FLAD1	flavin aden	ENSG00000117.8927	0.188568	1.29929	0.145131
ENSG000001112714	TUBA3E	tubulin alp	ENSG00000117.86379	0.200781	1.385533	0.144912
ENSG0000013679	ITGA7	integrin su	ENSG000001330.5107	-0.08381	0.57842	-0.14489
ENSG00000179626	TNFAIP8L2	TNF alpha i	ENSG0000013.22781	0.417352	2.881887	0.144819
ENSG00000100272579			ENSG0000013.22781	0.417352	2.881887	0.144819
ENSG00000155179	FAIM	Fas apopto	ENSG0000013.22781	0.417352	2.881887	0.144819
ENSG000001116966	WDR17	WD repeat	ENSG0000013.22781	0.417352	2.881887	0.144819
ENSG0000018936	WASF1	WAS prote	ENSG0000013.22781	0.417352	2.881887	0.144819
ENSG00000100224138			ENSG0000013.22781	0.417352	2.881887	0.144819
ENSG00000179582	SPAG16	sperm assc	ENSG0000016.864181	0.294038	2.03048	0.144812
ENSG00000155054	ATG16L1	autophagy	ENSG00000132.8266	0.146741	1.013409	0.144799
ENSG00000100239677			ENSG0000014.673465	-0.36542	2.524224	-0.14477
ENSG00000156940	DUSP22	dual specif	ENSG00000147.60016	-0.12949	0.895119	-0.14466
ENSG00000154843	SYTL2	synaptotag	ENSG00000115.16918	-0.21622	1.494896	-0.14464
ENSG000001134510	UBLCP1	ubiquitin li	ENSG00000121.59694	0.174118	1.205242	0.144467
ENSG00000151275	MAPKAPK5	MAPKAPK5	ENSG0000018.815174	-0.26023	1.801911	-0.14442
ENSG0000015832	ALDH18A1	aldehyde d	ENSG00000119.7643	0.179693	1.24495	0.144337
ENSG00000151808	PHAX	phosphory	ENSG00000133.39392	-0.14639	1.015148	-0.1442
ENSG00000125798	BRI3	brain prote	ENSG00000136.58616	0.14231	0.986947	0.144193
ENSG00000100256568			ENSG0000012.532839	-0.52233	3.62387	-0.14414
ENSG000001643699	GOLGA8N	golgin A8 f	ENSG0000012.532839	-0.52233	3.62387	-0.14414
ENSG000001943	TNFRSF8	TNF recept	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG0000011907	EDN2	endothelin	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000100226252			ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000100228863			ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG000001919	CD247	CD247 mol	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG000001130013	ACMSD	aminocarb	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000100237758			ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000156992	KIF15	kinesin fan	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG000001131450	CD200R1	CD200 rec	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG0000010154608			ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG000001387357	THEMIS	thymocyte	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG000001101927356	LOC101927	uncharacte	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000179698	ZMAT4	zinc finger	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG000001116039	OSR2	odd-skippe	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000164170	CARD9	caspase re	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG0000015995	RGR	retinal G p	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000100279672			ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000100274315			ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000100276058			ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG000001677793	SNORA2A	small nucle	ENSG0000011.479397	0.629217	4.368727	0.144027
ENSG00000100237263			ENSG0000011.479397	0.629217	4.368727	0.144027

ENSG000001690	COCH	cochlin	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000101927	LOC101927	uncharacterized	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000259202			ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000259677			ENSG000001479397	0.629217	4.368727	0.144027
ENSG0000010232	MSLN	mesothelin	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000260517			ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000339105	PRSS53	serine protease	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000274756			ENSG000001479397	0.629217	4.368727	0.144027
ENSG0000010900	RUNDC3A	RUN domain	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000126003	TRAPPC5	trafficking	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000339390	CLEC4G	C-type lectin	ENSG000001479397	0.629217	4.368727	0.144027
ENSG0000084964	ALKBH6	alkB homolog	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000729440	CCDC61	coiled-coil	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000199796			ENSG000001479397	0.629217	4.368727	0.144027
ENSG0000026152	ZNF337	zinc finger	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000228663			ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000223799			ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000189089			ENSG000001479397	0.629217	4.368727	0.144027
ENSG0000054058	C21orf58	chromosome	ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000225335			ENSG000001479397	0.629217	4.368727	0.144027
ENSG00000272787			ENSG000001479397	0.629217	4.368727	0.144027
ENSG0000010099	TSPAN3	tetraspanin	ENSG0000079.98589	-0.11079	0.769255	-0.14402
ENSG00000201163	FLCN	folliculin	ENSG0000031.36015	-0.15199	1.056177	-0.1439
ENSG0000025888	ZNF473	zinc finger	ENSG000008.657844	0.259262	1.803047	0.143791
ENSG0000010929	SRSF8	serine and	ENSG0000029.33644	-0.15343	1.067573	-0.14372
ENSG000005962	RDX	radixin	ENSG00000164.6966	-0.08981	0.625311	-0.14363
ENSG0000056928	SPPL2B	signal pept	ENSG000008.696817	0.255534	1.78321	0.1433
ENSG0000056005	MYDGF	myeloid de	ENSG000008.696817	0.255534	1.78321	0.1433
ENSG000009545	RAB3D	RAB3D, me	ENSG000008.696817	0.255534	1.78321	0.1433
ENSG000004074	M6PR	mannose-6	ENSG0000057.20905	0.119015	0.830709	0.143269
ENSG0000010951	CBX1	chromobox	ENSG0000033.41027	-0.14533	1.016743	-0.14294
ENSG0000022841	RAB11FIP2	RAB11 fam	ENSG0000030.99396	0.148595	1.039871	0.142898
ENSG0000022944	KIN	Kin17 DNA	ENSG0000012.37844	0.217801	1.525333	0.142789
ENSG00000256051	ZNF549	zinc finger	ENSG0000012.37844	0.217801	1.525333	0.142789
ENSG000009413	FAM189A2	family with	ENSG0000019.16506	-0.18394	1.290604	-0.14252
ENSG00000123606	NIPA1	NIPA magn	ENSG0000019.16506	-0.18394	1.290604	-0.14252
ENSG0000079937	CNTNAP3	contactin a	ENSG0000017.75694	0.216031	1.516416	0.142462
ENSG0000079971	WLS	wntless W	ENSG0000063.82762	-0.11551	0.810838	-0.14246
ENSG00000154796	AMOT	angiomotin	ENSG0000019.80328	0.177775	1.249752	0.142248
ENSG0000055015	PRPF39	pre-mRNA	ENSG0000021.1498	-0.17729	1.246738	-0.14221
ENSG000005279	PIGC	phosphatic	ENSG0000014.21107	0.204159	1.436564	0.142116
ENSG00000105369	LOC105369	uncharacterized	ENSG0000014.21107	0.204159	1.436564	0.142116
ENSG0000029946	SERTAD3	SERTA dom	ENSG0000014.21107	0.204159	1.436564	0.142116
ENSG0000055285	RBM41	RNA bindin	ENSG0000027.26369	-0.15895	1.119476	-0.14198
ENSG00000261468			ENSG000004.595519	-0.35079	2.471601	-0.14193
ENSG00000175	AGA	aspartylglu	ENSG000004.595519	-0.35079	2.471601	-0.14193
ENSG00000272072			ENSG000004.595519	-0.35079	2.471601	-0.14193

ENSG00000126297	SERGEF	secretion r	ENSG000001459519	-0.35079	2.471601	-0.14193
ENSG0000019858	PPP1R26	protein ph	ENSG0000012523998	-0.16108	1.135073	-0.14192
ENSG0000015434	POLR2E	RNA polym	ENSG0000012523998	-0.16108	1.135073	-0.14192
ENSG00000151545	ZNF581	zinc finger	ENSG0000016847833	0.284431	2.007712	0.141669
ENSG0000018473	OGT	O-linked N	ENSG0000012309211	-0.08306	0.586936	-0.14151
ENSG000001236549			ENSG0000012471241	-0.47501	3.358005	-0.14146
ENSG000001236208			ENSG0000012471241	-0.47501	3.358005	-0.14146
ENSG0000011959	EGR2	early grow	ENSG0000012471241	-0.47501	3.358005	-0.14146
ENSG000001100506436	SPAG5-AS1	SPAG5 anti	ENSG0000012471241	-0.47501	3.358005	-0.14146
ENSG000001339665	SLC35E4	solute carr	ENSG0000012471241	-0.47501	3.358005	-0.14146
ENSG0000019343	EFTUD2	elongation	ENSG0000015562463	-0.11901	0.841714	-0.14139
ENSG00000157414	RHBDD2	rhomboid (	ENSG000001141721	0.206829	1.462873	0.141385
ENSG00000179792	GSDMD	gasdermin	ENSG000001141721	0.206829	1.462873	0.141385
ENSG00000151296	SLC15A3	solute carr	ENSG000001141721	0.206829	1.462873	0.141385
ENSG00000155785	FGD6	FYVE, Rho	ENSG0000016105284	0.114479	0.809923	0.141345
ENSG00000181831	NETO2	neuropilin	ENSG0000015037822	0.327368	2.317356	0.141268
ENSG00000155160	ARHGEF10	Rho guanir	ENSG0000015160612	-0.12186	0.862999	-0.1412
ENSG00000179778	MICALL2	MICAL like	ENSG0000015076794	0.321563	2.278477	0.14113
ENSG00000184878	ZBTB45	zinc finger	ENSG0000015076794	0.321563	2.278477	0.14113
ENSG000001221477	C6orf89	chromosor	ENSG0000012252757	0.082562	0.585533	0.141003
ENSG00000155074	OXR1	oxidation r	ENSG0000017613256	0.106378	0.754936	0.14091
ENSG000001132299	OCIAD2	OCIA domæ	ENSG000001671352	-0.28737	2.040422	-0.14084
ENSG00000110072	DPP3	dipeptidyl	ENSG000001671352	-0.28737	2.040422	-0.14084
ENSG000001280200			ENSG000001671352	-0.28737	2.040422	-0.14084
ENSG00000164763	ZNF574	zinc finger	ENSG000001671352	-0.28737	2.040422	-0.14084
ENSG0000016046	BRD2	bromodorr	ENSG0000011322417	-0.09261	0.65808	-0.14073
ENSG0000013840	KPNA4	karyopheri	ENSG0000012533253	-0.08271	0.587764	-0.14072
ENSG00000157060	PCBP4	poly(rC) bi	ENSG0000012931381	-0.15076	1.071719	-0.14067
ENSG00000110296	MAEA	macrophag	ENSG0000012914498	0.14918	1.061883	0.140486
ENSG000001235121			ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001645784	ANKRD36B	ankyrin re	ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001179979			ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001100885776	UGDH-AS1	UGDH anti	ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001228828			ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001196743	PAOX	polyamine	ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001270903			ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG0000018499	PPFIA2	PTPRF inte	ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG00000110278	EFS	embryonal	ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001259212			ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001101927311	LINC02185	long interg	ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001100190938	RAMP2-AS	RAMP2 an	ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001262001			ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001147660	ZNF578	zinc finger	ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG000001270223			ENSG0000012432268	-0.46259	3.297478	-0.14029
ENSG0000015900	RALGDS	ral guanine	ENSG000001515508	-0.12147	0.86769	-0.13999
ENSG0000016599	SMARCC1	SWI/SNF re	ENSG0000017779374	-0.1057	0.755724	-0.13986
ENSG0000014482	MSRA	methionin	ENSG0000011704706	-0.18754	1.341425	-0.1398

ENSG0000015018	OXA1L	OXA1L, mitochondrial	102.5589	0.098219	0.702891	0.139736
ENSG0000018664	EIF3D	eukaryotic translation initiation factor 3D	99.96285	-0.09827	0.70333	-0.13972
ENSG0000014281	MID1	midline 1	21.61957	0.170099	1.218109	0.139642
ENSG000001102723766	LINC02362	long intergenic non-coding RNA LINC02362	10.87158	-0.22856	1.638158	-0.13952
ENSG0000019927	MFN2	mitofusin 2	711.3	0.071208	0.510624	0.139454
ENSG000001253635	GPATCH11	G-patch domain containing 11	17.97064	0.184279	1.321478	0.139449
ENSG000001200933	FBXO45	F-box protein 45	17.97064	0.184279	1.321478	0.139449
ENSG0000011207	CLNS1A	chloride channel protein 1A	44.17945	0.127223	0.91242	0.139434
ENSG000001124989	EFCAB13	EF-hand calcium binding domain 13	8.792549	-0.25089	1.803077	-0.13915
ENSG00000192283	ZNF461	zinc finger protein 461	8.792549	-0.25089	1.803077	-0.13915
ENSG00000157716	PRX	periaxin	8.792549	-0.25089	1.803077	-0.13915
ENSG0000011428	CRYM	crystallin mu	47.96726	-0.13905	0.999821	-0.13907
ENSG00000154961	SSH3	slingshot phosphatase 3	12.91163	-0.21076	1.515908	-0.13903
ENSG0000018539	API5	apoptosis inducing protein 5	49.64466	0.125026	0.899303	0.139025
ENSG00000151430	SUCO	SUN domain containing	42.17457	0.131257	0.94437	0.138989
ENSG00000157473	ZNF512B	zinc finger protein 512B	23.16095	-0.16336	1.175884	-0.13893
ENSG00000127032	ATP2C1	ATPase sodium/potassium transporting 2C1	110.1584	0.094486	0.680423	0.138864
ENSG0000019122	SLC16A4	solute carrier family 16 member 4	10.56843	0.227321	1.637033	0.138861
ENSG0000019094	UNC119	unc-119 lipid binding protein	16.12166	0.189257	1.363525	0.1388
ENSG0000019895	TECPR2	tectonin beta repeat containing 2	51.71114	0.119055	0.858308	0.138709
ENSG00000129035	C16orf72	chromosome 16 open reading frame 72	116.262	-0.09569	0.690437	-0.1386
ENSG00000155228	PNMA8A	PNMA family class A member 8A	8.831521	-0.25502	1.840466	-0.13856
ENSG00000189857	KLHL6	kelch like family class B member 6	12.39479	0.221743	1.602267	0.138393
ENSG00000155628	ZNF407	zinc finger protein 407	51.65582	0.119357	0.862551	0.138377
ENSG0000014705	NDUFA10	NADH dehydrogenase complex subunit A10	191.2988	0.085251	0.616083	0.138376
ENSG0000016992	PPP1R11	protein phosphatase 1 regulatory subunit 11	38.56462	0.132269	0.956507	0.138283
ENSG00000192400	RBM18	RNA binding motif protein 18	38.56462	0.132269	0.956507	0.138283
ENSG0000013654	IRAK1	interleukin 1 receptor associated kinase 1	31.00024	0.144447	1.045134	0.138209
ENSG00000150484	RRM2B	ribonucleoprotein R2B	49.81062	0.12379	0.895825	0.138185
ENSG000001166379	BBS12	Bardet-Biedl syndrome 12	8.73579	0.251529	1.822684	0.137999
ENSG00000123081	KDM4C	lysine demethylase 4C	8.73579	0.251529	1.822684	0.137999
ENSG00000155777	MBD5	methyl-CpG binding domain protein 5	61.68699	-0.11281	0.818527	-0.13781
ENSG0000014893	NRAS	NRAS proto-oncogene	29.12863	0.147692	1.074316	0.137476
ENSG00000156994	CHPT1	choline phosphatase 1	101.8961	-0.09593	0.698562	-0.13732
ENSG000001112950	MED8	mediator complex subunit 8	10.8326	-0.22539	1.641773	-0.13728
ENSG0000013671	ISLR	immunoglobulin-like receptor	10.8326	-0.22539	1.641773	-0.13728
ENSG00000155706	NDC1	NDC1 transmembrane protein	14.96804	-0.19479	1.419202	-0.13725
ENSG000001246243	RNASEH1	ribonuclease H1	14.96804	-0.19479	1.419202	-0.13725
ENSG00000155361	PI4K2A	phosphatidylinositol 4-kinase class II alpha	14.96804	-0.19479	1.419202	-0.13725
ENSG000001114818	KLHL29	kelch like family class B member 29	6.674548	-0.2825	2.059509	-0.13717
ENSG0000015168	ENPP2	ectonucleotide pyrophosphatase 2	6.674548	-0.2825	2.059509	-0.13717
ENSG00000157511	COG6	component C of the COG complex	42.32419	0.129497	0.944766	0.137068
ENSG00000127243	CHMP2A	charged multivesicular body protein 2A	55.59573	-0.11588	0.84545	-0.13706
ENSG000001468	ATF4	activating transcription factor 4	176.6214	-0.08869	0.648026	-0.13686
ENSG000001554251	FBXO48	F-box protein 48	4.572894	-0.33314	2.434224	-0.13686
ENSG000001177	AGER	advanced glycation end product receptor	4.572894	-0.33314	2.434224	-0.13686
ENSG000001114796	PSMG3-AS	PSMG3 antisense RNA	4.572894	-0.33314	2.434224	-0.13686



ENSG00000100507	283	LOC100507	uncharacterized	ENSG00000100507	4.572894	-0.33314	2.434224	-0.13686
ENSG000001124751		KRBA2	KRAB-A domain	ENSG000001124751	4.572894	-0.33314	2.434224	-0.13686
ENSG000001150383		CDPF1	cysteine rich	ENSG000001150383	4.572894	-0.33314	2.434224	-0.13686
ENSG00000109589		WTAP	WT1 associated	ENSG00000109589	49.70626	0.122414	0.895798	0.136654
ENSG000001055656		INTS8	integrator subunit	ENSG000001055656	36.59872	0.135703	0.993147	0.13664
ENSG000001123016		TTC8	tetratricopeptide repeat	ENSG000001123016	8.719442	0.244428	1.788933	0.136634
ENSG000001051272		BET1L	Bet1 golgi	ENSG000001051272	25.42438	0.153897	1.128093	0.136422
ENSG000001130617		ZFAND2B	zinc finger and	ENSG000001130617	8.753576	-0.24707	1.811948	-0.13635
ENSG000001056904		SH3GLB2	SH3 domain	ENSG000001056904	21.73648	0.16461	1.207309	0.136344
ENSG000001057594		HOMEZ	homeobox	ENSG000001057594	21.73648	0.16461	1.207309	0.136344
ENSG000001092675		DTD1	D-tyrosyl-tRNA	ENSG000001092675	14.27267	0.195186	1.432227	0.136282
ENSG000001057205		ATP10D	ATPase phosphatase	ENSG000001057205	34.76608	0.136602	1.002792	0.136221
ENSG0000010050819		MIR3609	microRNA	ENSG0000010050819	34.76608	0.136602	1.002792	0.136221
ENSG000001079810		PTCD2	pentatricopeptide repeat	ENSG000001079810	21.15987	-0.16996	1.249558	-0.13602
ENSG00000109267		CYTH1	cytohesin 1	ENSG00000109267	51.48292	-0.11713	0.862861	-0.13574
ENSG0000010728927		ZNF736	zinc finger	ENSG0000010728927	19.02552	-0.17369	1.280048	-0.13569
ENSG000001083744		ZNF484	zinc finger	ENSG000001083744	19.84853	0.168718	1.246343	0.135371
ENSG00000102972		BRF1	BRF1, RNA polymerase	ENSG00000102972	17.02444	-0.18283	1.353077	-0.13512
ENSG000001029966		STRN3	striatin 3	ENSG000001029966	78.16006	0.103237	0.76442	0.135052
ENSG00000104790		NFKB1	nuclear factor	ENSG00000104790	41.3568	-0.12602	0.933953	-0.13493
ENSG00000106045		RNF2	ring finger	ENSG00000106045	12.88901	-0.20441	1.51561	-0.13487
ENSG00000105861		RAB1A	RAB1A, member	ENSG00000105861	85.75033	-0.09875	0.732247	-0.13486
ENSG00000108498		RANBP3	RAN binding protein	ENSG00000108498	31.06184	0.140323	1.04193	0.134676
ENSG00000102926		GRSF1	G-rich RNA	ENSG00000102926	132.5284	-0.0943	0.70052	-0.13461
ENSG000001055435		AP1AR	adaptor related	ENSG000001055435	18.01589	0.174347	1.295284	0.134601
ENSG0000010730094		MOSMO	modulator	ENSG0000010730094	17.93795	0.178692	1.327612	0.134597
ENSG00000103595		IL12RB2	interleukin	ENSG00000103595	3.289408	0.376452	2.800086	0.134443
ENSG000001056521		DNAJC12	DnaJ heat shock	ENSG000001056521	3.289408	0.376452	2.800086	0.134443
ENSG0000010118672		PSTK	phosphoserine	ENSG0000010118672	3.289408	0.376452	2.800086	0.134443
ENSG0000010145853		C15orf61	chromosome	ENSG0000010145853	3.289408	0.376452	2.800086	0.134443
ENSG00000100274578				ENSG00000100274578	3.289408	0.376452	2.800086	0.134443
ENSG00000109441		MED26	mediator complex	ENSG00000109441	3.289408	0.376452	2.800086	0.134443
ENSG00000107711		ZNF155	zinc finger	ENSG00000107711	3.289408	0.376452	2.800086	0.134443
ENSG00000105931		RBBP7	RB binding	ENSG00000105931	77.75856	-0.10249	0.764061	-0.13414
ENSG00000104215		MAP3K3	mitogen-activated	ENSG00000104215	98.29892	0.105738	0.788685	0.134068
ENSG000001051280		GOLM1	golgi membrane	ENSG000001051280	14.31165	0.19271	1.437471	0.134062
ENSG000001058477		SRPRB	SRP receptor	ENSG000001058477	23.63072	0.155265	1.158729	0.133996
ENSG00000104957		ODF2	outer dense	ENSG00000104957	21.04295	-0.16427	1.227085	-0.13387
ENSG000001022937		SCAP	SREBF chaperone	ENSG000001022937	46.15791	0.119495	0.892835	0.133838
ENSG000001055657		ZNF692	zinc finger	ENSG000001055657	8.68047	0.248914	1.860595	0.133782
ENSG00000101230		CCR1	C-C motif	ENSG00000101230	16.27336	0.645982	4.830531	0.133729
ENSG00000101456		CSNK1G3	casein kinase	ENSG00000101456	40.52045	0.125228	0.937188	0.133621
ENSG0000010117247		SLC16A10	solute carrier	ENSG0000010117247	6.909431	0.265632	1.988133	0.133609
ENSG0000010143872		ARHGAP42	Rho GTPase	ENSG0000010143872	29.2292	0.14185	1.061876	0.133584
ENSG00000108273		SLC10A3	solute carrier	ENSG00000108273	10.59105	0.21833	1.63528	0.133512
ENSG0000010153572		IRX2	iroquois homeo	ENSG0000010153572	6.80886	0.291419	2.183116	0.133488
ENSG0000010124995		MRPL10	mitochondrial	ENSG0000010124995	35.24919	-0.13427	1.006067	-0.13346

ENSG0000015684	PSMA3	proteasom	ENSG0000015368959	0.112744	0.846007	0.133265
ENSG0000013897	L1CAM	L1 cell adh	ENSG0000018870494	-0.2606	1.956654	-0.13319
ENSG0000011100	HNRNPUL1	heterogen	ENSG000001127.3071	0.08758	0.657617	0.133177
ENSG000001226	ALDOA	aldolase, fr	ENSG0000011164.66	0.073933	0.556067	0.132957
ENSG00000110600	USP16	ubiquitin s	ENSG00000159.36602	0.108669	0.818016	0.132844
ENSG00000180148	PQLC1	PQ loop re	ENSG00000116.18325	0.181318	1.365432	0.132792
ENSG0000011452	CSNK1A1	casein kina	ENSG000001104.6894	0.091474	0.688979	0.132767
ENSG00000156970	ATXN7L3	ataxin 7 lik	ENSG00000133.20913	-0.13555	1.021046	-0.13275
ENSG000001326625	MMAB	metabolisr	ENSG00000119.0029	-0.16944	1.277784	-0.13261
ENSG0000017633	ZNF79	zinc finger	ENSG00000112.85003	-0.20166	1.521797	-0.13252
ENSG00000164427	TTC31	tetratricop	ENSG00000110.55208	0.221799	1.675074	0.132411
ENSG000001101929733	LINC01954	long interg	ENSG0000015.09942	0.301656	2.2845	0.132045
ENSG00000164417	TMEM267	transmembr	ENSG0000015.09942	0.301656	2.2845	0.132045
ENSG00000129980	DONSON	downstrea	ENSG0000015.09942	0.301656	2.2845	0.132045
ENSG0000013705	ITPK1	inositol-tet	ENSG00000185.82122	0.096371	0.729948	0.132025
ENSG000001128387	TATDN3	TatD DNase	ENSG00000123.64707	0.157055	1.190344	0.131941
ENSG0000016827	SUPT4H1	SPT4 homoc	ENSG00000121.09827	-0.16426	1.245416	-0.13189
ENSG0000015566	PRKACA	protein kin	ENSG000001243.8183	0.085716	0.650144	0.131842
ENSG000001151742	PPM1L	protein ph	ENSG000001130.9963	0.091022	0.690515	0.131817
ENSG00000111146	GLMN	glomulin, F	ENSG0000016.948404	0.261214	1.981839	0.131804
ENSG000001163786	SASS6	SAS-6 cent	ENSG0000016.948404	0.261214	1.981839	0.131804
ENSG00000192255	LMBRD2	LMBR1 dor	ENSG00000153.53305	-0.11467	0.870031	-0.1318
ENSG0000017637	ZNF84	zinc finger	ENSG00000140.54308	0.12318	0.935468	0.131677
ENSG0000015157	PDGFR	platelet de	ENSG0000018.730951	-0.23765	1.805359	-0.13164
ENSG00000184134	TOMM40L	translocase	ENSG00000125.49605	0.155408	1.180751	0.131618
ENSG000001286205	SCAI	suppressor	ENSG00000114.90644	-0.1869	1.420087	-0.13161
ENSG000001153527	ZMAT2	zinc finger	ENSG00000125.52495	0.147309	1.120297	0.131491
ENSG000001122953	JDP2	Jun dimeri	ENSG00000119.92647	0.164855	1.254144	0.131448
ENSG00000150650	ARHGEF3	Rho guanir	ENSG00000129.28452	0.141848	1.080268	0.131308
ENSG000001139285	AMER1	APC memb	ENSG00000123.5754	0.155033	1.181294	0.13124
ENSG00000156171	DNAH7	dynein axo	ENSG0000013.328381	0.368302	2.809072	0.131112
ENSG0000017539	ZFP37	ZFP37 zinc	ENSG0000013.328381	0.368302	2.809072	0.131112
ENSG0000014236	MFAP1	microfibril	ENSG00000121.02033	-0.16045	1.22391	-0.1311
ENSG00000127295	PDLIM3	PDZ and LI	ENSG000001233.8213	0.247093	1.885938	0.131019
ENSG0000018204	NRIP1	nuclear rec	ENSG00000181.48713	0.108571	0.829168	0.13094
ENSG0000011741	DLG3	discs large	ENSG00000121.78173	0.15647	1.196127	0.130814
ENSG000001126374	WTIP	WT1 intera	ENSG00000119.87115	0.164293	1.25794	0.130605
ENSG00000185363	TRIM5	tripartite n	ENSG00000118.03852	0.169333	1.29794	0.130463
ENSG0000012193	FARSA	phenylalan	ENSG00000118.96392	-0.16744	1.283886	-0.13042
ENSG00000184320	ACBD6	acyl-CoA b	ENSG00000117.99954	0.171537	1.318678	0.130083
ENSG00000157455	REXO1	RNA exonu	ENSG00000110.77101	-0.21458	1.650174	-0.13004
ENSG00000110147	SUGP2	SURP and C	ENSG00000195.66904	-0.0923	0.709947	-0.13001
ENSG00000155705	IPO9	importin 9	ENSG00000183.60592	-0.09856	0.758324	-0.12997
ENSG00000110113	PREB	prolactin r	ENSG00000141.38949	-0.12465	0.959931	-0.12985
ENSG00000123366	KIAA0895	KIAA0895	ENSG0000015.138392	0.296005	2.280115	0.12982
ENSG0000016652	SORD	sorbitol de	ENSG0000015.138392	0.296005	2.280115	0.12982
ENSG0000016400	SEL1L	SEL1L, ERA	ENSG000001171.9392	-0.08001	0.61648	-0.12979

ENSG00000127440	HDHD5	haloacid dehydrolase	ENSG00000127111	59	-0.14305	1.102559	-0.12975
ENSG00000149855	SCAPER	S-phase cyclin dependent kinase	ENSG00000199720	25	-0.09151	0.705308	-0.12974
ENSG00000157786	RBAK	RB associated protein	ENSG00000127435	54	0.142137	1.095538	0.129741
ENSG00000129960	MRM2	mitochondrial ribosomal protein	ENSG00000117001	81	-0.17825	1.375055	-0.12963
ENSG00000114983	LINC00654	long intergenic non-coding RNA	ENSG00000117001	81	-0.17825	1.375055	-0.12963
ENSG0000018099	CDK2AP1	cyclin dependent kinase 2 associated protein 1	ENSG00000116205	88	0.175703	1.35568	0.129605
ENSG00000111117	EMILIN1	elastin microfibril associated protein 1	ENSG00000116127	93	0.180456	1.392478	0.129593
ENSG0000013757	KCNH2	potassium channel protein	ENSG00000161321	85	0.10479	0.808936	0.12954
ENSG00000122862	FNDC3A	fibronectin type 3 domain containing 3A	ENSG00000187760	7	0.093723	0.723904	0.129468
ENSG00000110617	STAMBP	STAM binding protein	ENSG00000125563	93	0.145726	1.125739	0.129449
ENSG00000110466	COG5	component C of the COG complex	ENSG00000174494	79	0.102285	0.791113	0.129292
ENSG00000180742	PRR3	proline rich protein 3	ENSG00000187810	4	0.229774	1.778232	0.129215
ENSG0000018178	ELL	elongation factor 1	ENSG00000187810	4	0.229774	1.778232	0.129215
ENSG00000116296	ZNF320	zinc finger protein	ENSG00000114867	46	-0.18446	1.427767	-0.12919
ENSG00000118122			ENSG00000145339	21	-0.32571	2.521494	-0.12917
ENSG00000111847	ZNF511	zinc finger protein	ENSG00000145339	21	-0.32571	2.521494	-0.12917
ENSG00000102481			ENSG00000145339	21	-0.32571	2.521494	-0.12917
ENSG00000114780	ZNF524	zinc finger protein	ENSG00000145339	21	-0.32571	2.521494	-0.12917
ENSG00000125821	MTO1	mitochondrial transcription origin 1	ENSG00000125055	19	-0.14684	1.137682	-0.12907
ENSG00000113147	CHCHD4	coiled-coil domain containing 4	ENSG00000119949	1	0.160414	1.242893	0.129065
ENSG00000122889	KHDC4	KH domain containing 4	ENSG00000139222	45	-0.12512	0.969707	-0.12903
ENSG00000110260	LOC102604651	uncharacterized protein	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000102391			ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000155779	CFAP44	cilia and flagellum associated protein 44	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000140575	ERVFRD-1	endogenous retrovirus family F related 1	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000111724	HRASLS5	HRAS like sequence 5	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000111408	TRIM9	tripartite motif domain containing 9	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000110050	LOC100507437	uncharacterized protein	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000102351			ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000102593			ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000110518	CIB2	calcium ion binding protein 2	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000110028	LDLRAD4-AS1	LDLRAD4 antisense 1	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000172995	LINC01915	long intergenic non-coding RNA	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG00000165249	ZSWIM4	zinc finger protein	ENSG00000124096	43	-0.4288	3.324782	-0.12897
ENSG0000018451	CUL4A	cullin 4A	ENSG00000118805	47	0.079218	0.615006	0.128808
ENSG00000127115	PDE7B	phosphodiesterase 7B	ENSG00000131201	38	0.13351	1.036776	0.128774
ENSG00000155892	MYNN	myoneurin	ENSG00000112827	41	-0.19529	1.517193	-0.12872
ENSG00000155929	DMAP1	DNA methylase associated protein 1	ENSG00000119019	24	-0.16734	1.302213	-0.1285
ENSG00000183548	COG3	component C of the COG complex	ENSG00000138694	09	0.122481	0.954031	0.128383
ENSG00000155088	CCDC186	coiled-coil domain containing 186	ENSG00000169487	77	-0.10046	0.783391	-0.12823
ENSG00000125739	LOC257396	uncharacterized protein	ENSG00000151157	67	0.31369	2.446823	0.128203
ENSG00000154718	BTN2A3P	butyrophilin subfamily 2 class A member 3 protein	ENSG00000151157	67	0.31369	2.446823	0.128203
ENSG00000111123	RCAN3	RCAN family class B member 3	ENSG00000116222	23	0.178764	1.39497	0.128149
ENSG00000151334	PRR16	proline rich protein 16	ENSG00000186919	78	-0.23376	1.824691	-0.12811
ENSG00000125442	SLC41A1	solute carrier family 41 member 1	ENSG00000169963	37	-0.0663	0.517826	-0.12803
ENSG0000015250	SLC25A3	solute carrier family 25 member 3	ENSG00000161817	46	0.067043	0.523865	0.127978
ENSG00000110027	SMG1P3	SMG1 pseudosubstrate 3	ENSG00000112811	06	-0.19864	1.553812	-0.12784

ENSG00000183480	PUS3	pseudouric	ENSG00000183480	8.742068	0.23391	1.831356	0.127725
ENSG0000014836	NMT1	N-myristoy	ENSG0000014836	85.54292	-0.09359	0.732874	-0.1277
ENSG00000123646	PLD3	phospholip	ENSG00000123646	69.44872	-0.09972	0.780881	-0.1277
ENSG00000179033	ERI3	ERI1 exorik	ENSG00000179033	27.45816	0.138999	1.088978	0.127642
ENSG00000129087	THYN1	thymocyte	ENSG00000129087	27.45816	0.138999	1.088978	0.127642
ENSG00000180025	PANK2	pantotheni	ENSG00000180025	23.67597	0.147828	1.159226	0.127523
ENSG0000019702	CEP57	centrosom	ENSG0000019702	31.10748	-0.13305	1.04351	-0.12751
ENSG000001197342	EME2	essential r	ENSG000001197342	6.61295	-0.26514	2.081049	-0.12741
ENSG00000156929	FEM1C	fem-1 hom	ENSG00000156929	123.7236	0.086835	0.681639	0.127391
ENSG000001101927221	UBR5-AS1	UBR5 antis	ENSG000001101927221	4.550269	-0.3151	2.475523	-0.12729
ENSG0000017544	ZFY	zinc finger	ENSG0000017544	25.58655	0.142326	1.119816	0.127098
ENSG0000018546	AP3B1	adaptor rel	ENSG0000018546	53.40985	-0.11006	0.866458	-0.12702
ENSG00000155288	RHOT1	ras homolc	ENSG00000155288	65.41386	-0.10117	0.796799	-0.12697
ENSG0000018574	AKR7A2	aldo-keto r	ENSG0000018574	14.88381	-0.18144	1.429599	-0.12692
ENSG0000011193	CLIC2	chloride in	ENSG0000011193	21.80436	0.152427	1.202135	0.126797
ENSG00000184838	ZNF496	zinc finger	ENSG00000184838	25.01621	-0.14522	1.145347	-0.12679
ENSG00000154621	VSIG10	V-set and i	ENSG00000154621	25.01621	-0.14522	1.145347	-0.12679
ENSG00000110806	SDCCAG8	serological	ENSG00000110806	40.64365	0.11892	0.938422	0.126723
ENSG00000164769	MEAF6	MYST/Esa1	ENSG00000164769	20.95873	-0.15478	1.225512	-0.1263
ENSG00000184105	PCBD2	pterin-4 al	ENSG00000184105	19.93275	0.157875	1.251964	0.126102
ENSG00000110085993C	HEIH	hepatocell	ENSG00000110085993C	10.74838	-0.20696	1.641899	-0.12605
ENSG00000110623	POLR3C	RNA polym	ENSG00000110623	14.84484	-0.17898	1.421966	-0.12587
ENSG0000016871	TADA2A	transcripti	ENSG0000016871	14.84484	-0.17898	1.421966	-0.12587
ENSG0000010234473			ENSG0000010234473	4.511296	-0.30816	2.450733	-0.12574
ENSG00000179797	ZNF408	zinc finger	ENSG00000179797	4.511296	-0.30816	2.450733	-0.12574
ENSG000001146540	ZNF785	zinc finger	ENSG000001146540	4.511296	-0.30816	2.450733	-0.12574
ENSG000001203069	R3HCC1	R3H domai	ENSG000001203069	19.97172	0.155931	1.240393	0.125711
ENSG00000110787	NCKAP1	NCK associ	ENSG00000110787	318.0752	-0.06927	0.551194	-0.12567
ENSG00000190333	ZNF468	zinc finger	ENSG00000190333	12.48529	0.192545	1.53273	0.125622
ENSG0000017336	UBE2V2	ubiquitin c	ENSG0000017336	29.06742	-0.13429	1.070694	-0.12543
ENSG00000129843	SENPI	SUMO spe	ENSG00000129843	20.94238	-0.15663	1.249286	-0.12537
ENSG00000128984	RGCC	regulator c	ENSG00000128984	36.63521	0.143122	1.142172	0.125307
ENSG00000130832	ZNF354C	zinc finger	ENSG00000130832	14.3569	0.179876	1.435828	0.125277
ENSG00000179753	SNIP1	Smad nucl	ENSG00000179753	16.2285	0.170088	1.358195	0.125231
ENSG000001134187	POU5F2	POU doma	ENSG000001134187	6.971029	0.247118	1.973407	0.125224
ENSG000001441191	RNF216P1	ring finger	ENSG000001441191	6.971029	0.247118	1.973407	0.125224
ENSG000001148423	C1orf52	chromosor	ENSG000001148423	12.52426	0.189739	1.516428	0.125123
ENSG00000110128	LRPPRC	leucine ric	ENSG00000110128	196.0265	-0.07658	0.612666	-0.125
ENSG00000184775	ZNF607	zinc finger	ENSG00000184775	8.708326	-0.22822	1.826114	-0.12498
ENSG000001285313	IGSF10	immunogl	ENSG000001285313	27.2633	0.147613	1.182326	0.124849
ENSG0000012957	GTF2A1	general tra	ENSG0000012957	59.2899	-0.1037	0.83073	-0.12484
ENSG000001151449	GDF7	growth dif	ENSG000001151449	6.629297	-0.25775	2.071765	-0.12441
ENSG00000179663	HSPBAP1	HSPB1 assc	ENSG00000179663	10.73203	-0.21092	1.696971	-0.12429
ENSG00000122832	CEP162	centrosom	ENSG00000122832	14.39587	0.177406	1.427454	0.124281
ENSG000001221264	AK9	adenylate l	ENSG000001221264	14.39587	0.177406	1.427454	0.124281
ENSG00000179171	RBM42	RNA bindir	ENSG00000179171	14.39587	0.177406	1.427454	0.124281
ENSG00000191607	SLFN11	schlafen fa	ENSG00000191607	67.33072	-0.09785	0.787751	-0.12422

ENSG0000013512	JCHAIN	joining cha	ENSG0000017.756892	-0.57734	4.648942	-0.12419
ENSG00000151082	POLR1D	RNA polym	ENSG00000136.88408	0.120499	0.971445	0.124041
ENSG000001284361	EMC10	ER membr	ENSG00000136.91678	0.12255	0.988451	0.123981
ENSG0000015922	RASA2	RAS p21 pr	ENSG00000127.36387	0.140755	1.136074	0.123896
ENSG00000156935	SMCO4	single-pass	ENSG00000110.69162	0.203144	1.640919	0.123799
ENSG0000016464	SHC1	SHC adapt	ENSG00000145.18424	-0.11185	0.903741	-0.12376
ENSG000001399665	FAM102A	family with	ENSG00000112.80478	-0.18889	1.527506	-0.12366
ENSG00000155197	RPRD1A	regulation	ENSG00000172.769	0.09801	0.79278	0.123628
ENSG0000012971	GTF3A	general tra	ENSG000001118.1954	0.08285	0.670299	0.123602
ENSG00000151244	CCDC174	coiled-coil	ENSG00000123.69859	0.144197	1.169551	0.123292
ENSG000001302	ANXA2	annexin A2	ENSG000001197.7095	-0.07362	0.597446	-0.12322
ENSG000001203427	SLC25A43	solute carr	ENSG0000016.590325	-0.25279	2.053186	-0.12312
ENSG000001115123	MARCH3	membrane	ENSG00000116.86855	-0.17337	1.408178	-0.12312
ENSG0000010217488			ENSG0000012.37067	-0.41632	3.382859	-0.12307
ENSG0000010229268			ENSG0000012.37067	-0.41632	3.382859	-0.12307
ENSG00000164077	LHPP	phospholy	ENSG0000012.37067	-0.41632	3.382859	-0.12307
ENSG0000010260285			ENSG0000012.37067	-0.41632	3.382859	-0.12307
ENSG0000010261336			ENSG0000012.37067	-0.41632	3.382859	-0.12307
ENSG000001399473	SPRED3	sprouty rel	ENSG0000012.37067	-0.41632	3.382859	-0.12307
ENSG00000157106	NAT14	N-acetyltra	ENSG0000012.37067	-0.41632	3.382859	-0.12307
ENSG000001908	CCT6A	chaperonir	ENSG00000167.08878	0.097207	0.790086	0.123033
ENSG0000014194	MDM4	MDM4, p5	ENSG000001109.4504	-0.08469	0.688903	-0.12294
ENSG0000016249	CLIP1	CAP-Gly dc	ENSG000001230.1339	0.07209	0.58641	0.122935
ENSG00000157343	ZNF304	zinc finger	ENSG00000122.99251	-0.14611	1.188556	-0.12293
ENSG0000016935	ZEB1	zinc finger	ENSG000001235.876	-0.07183	0.584623	-0.12287
ENSG000001777	CACNA1E	calcium vo	ENSG0000016.791466	-0.30244	2.462326	-0.12283
ENSG00000180169	CTC1	CST telom	ENSG00000129.33605	0.131706	1.072841	0.122764
ENSG00000125832	NBPF14	NBPF mem	ENSG00000110.70941	-0.20368	1.66053	-0.12266
ENSG00000155699	IARS2	isoleucyl-t	ENSG000001105.0037	0.084458	0.688769	0.122622
ENSG000001219699	UNC5B	unc-5 netri	ENSG00000123.03148	-0.14799	1.207315	-0.12258
ENSG00000155623	THUMPD1	THUMP do	ENSG00000163.26317	-0.09995	0.815429	-0.12258
ENSG000001222484	LNX2	ligand of n	ENSG00000125.04891	-0.1422	1.160375	-0.12255
ENSG00000154799	MBTD1	mbt domai	ENSG00000118.8797	-0.15691	1.281523	-0.12244
ENSG0000014534	MTM1	myotubula	ENSG00000118.8797	-0.15691	1.281523	-0.12244
ENSG000001116362	RBP7	retinol bin	ENSG00000112.76581	-0.18611	1.520037	-0.12244
ENSG0000019973	CCS	copper cha	ENSG00000112.76581	-0.18611	1.520037	-0.12244
ENSG0000017626	ZNF75D	zinc finger	ENSG00000112.76581	-0.18611	1.520037	-0.12244
ENSG00000110458	BAIAP2	BAI1 assoc	ENSG00000114.41222	0.180861	1.477552	0.122406
ENSG0000015803	PTPRZ1	protein tyr	ENSG0000013.351006	0.337087	2.755057	0.122352
ENSG0000010263443			ENSG0000013.351006	0.337087	2.755057	0.122352
ENSG0000015715	PSMD9	proteasom	ENSG0000013.351006	0.337087	2.755057	0.122352
ENSG000001100287616	LOXL1-AS1	LOXL1 anti	ENSG0000013.351006	0.337087	2.755057	0.122352
ENSG000001254863	TMEM256	transmem	ENSG0000013.351006	0.337087	2.755057	0.122352
ENSG00000192703	TMEM183	transmem	ENSG00000121.86596	0.146599	1.198243	0.122345
ENSG00000110616	RBCK1	RANBP2-ty	ENSG00000122.95353	-0.14436	1.179987	-0.12234
ENSG0000011163	CKS1B	CDC28 pro	ENSG0000015.161017	0.276494	2.261832	0.122243
ENSG0000019162	DGKI	diacylglyce	ENSG0000015.161017	0.276494	2.261832	0.122243

ENSG000001286257	PAXX	PAXX, non-	ENSG0000015161017	0.276494	2.261832	0.122243
ENSG00000159307	SIGIRR	single Ig ar	ENSG0000015161017	0.276494	2.261832	0.122243
ENSG00000110149	ADGRG2	adhesion G	ENSG0000015161017	0.276494	2.261832	0.122243
ENSG00000157631	LRCH2	leucine ric	ENSG0000017010002	0.24268	1.985352	0.122235
ENSG00000110198	MPHOSPH	M-phase p	ENSG0000013505145	0.120708	0.988477	0.122115
ENSG0000017738	ZNF184	zinc finger	ENSG0000011256323	0.186925	1.531179	0.122079
ENSG00000154947	LPCAT2	lysophosph	ENSG0000012497096	-0.13886	1.138975	-0.12192
ENSG0000016738	TROVE2	TROVE don	ENSG0000011254541	-0.08027	0.659191	-0.12177
ENSG00000110528	NOP56	NOP56 rib	ENSG0000013909298	-0.11623	0.954656	-0.12175
ENSG0000016942	TCF20	transcripti	ENSG0000015384169	0.104491	0.859039	0.121637
ENSG00000126263	FBXO22	F-box prote	ENSG0000012508788	-0.1441	1.184885	-0.12161
ENSG00000126007	TKFC	triokinase	ENSG0000018842638	0.215281	1.770588	0.121587
ENSG000001114799	ESCO1	establishm	ENSG0000013505812	-0.12084	0.994605	-0.1215
ENSG000001163	AP2B1	adaptor rel	ENSG0000011976806	-0.073	0.601904	-0.12128
ENSG0000016234	RPS28	ribosomal	ENSG0000013690671	0.118258	0.976491	0.121105
ENSG00000125976	TIPARP	TCDD indu	ENSG0000016909365	0.095185	0.786167	0.121075
ENSG00000157590	WDFY1	WD repeat	ENSG0000015015379	0.104961	0.86715	0.121041
ENSG000001648	BMI1	BMI1 prote	ENSG0000011812274	0.157384	1.304114	0.120683
ENSG0000015876	RABGGTB	Rab gerany	ENSG0000013885626	0.114761	0.95133	0.120632
ENSG0000015534	PPP3R1	protein ph	ENSG0000011630645	0.165515	1.372297	0.120612
ENSG000001375	ARF1	ADP ribosy	ENSG0000011619754	0.075816	0.630412	0.120265
ENSG00000196764	TGS1	trimethylg	ENSG0000012493199	-0.13726	1.14169	-0.12023
ENSG00000123239	PHLPP1	PH domain	ENSG0000011478324	-0.17101	1.424866	-0.12002
ENSG0000016720	SREBF1	sterol regu	ENSG0000012545329	0.146549	1.2231	0.119818
ENSG00000123518	R3HDM1	R3H domai	ENSG0000012896685	-0.12873	1.075404	-0.1197
ENSG000001100129842	ZNF737	zinc finger	ENSG000001863038	-0.22029	1.840509	-0.11969
ENSG00000111112	HIBADH	3-hydroxy	ENSG0000017669322	0.089899	0.753464	0.119314
ENSG0000018450	CUL4B	cullin 4B	ENSG0000015516454	-0.10039	0.842227	-0.1192
ENSG00000123708	GSPT2	G1 to S ph	ENSG0000011272684	-0.18326	1.537863	-0.11917
ENSG000001200931	SLC51A	solute carr	ENSG0000011068678	-0.19604	1.646252	-0.11908
ENSG000001138716	RPP25L	ribonuclea	ENSG0000011068678	-0.19604	1.646252	-0.11908
ENSG000001283209	PGM2L1	phosphogl	ENSG0000011068678	-0.19604	1.646252	-0.11908
ENSG00000179143	MBOAT7	membrane	ENSG0000011068678	-0.19604	1.646252	-0.11908
ENSG000001100463486	MTRNR2L8	MT-RNR2	ENSG0000011893502	-0.15697	1.321745	-0.11876
ENSG0000012995	GYPC	glycophori	ENSG0000016721197	0.09338	0.787954	0.118509
ENSG0000015592	PRKG1	protein kin	ENSG0000016721197	0.09338	0.787954	0.118509
ENSG0000017068	THRB	thyroid ho	ENSG0000013906028	-0.11758	0.993625	-0.11833
ENSG0000012043	EPHA4	EPH recept	ENSG0000013903138	-0.11312	0.955957	-0.11833
ENSG00000151098	IFT52	intraflagell	ENSG0000018881611	0.21156	1.788952	0.118259
ENSG00000150805	IRX4	iroquois hc	ENSG000001519999	0.270732	2.289778	0.118235
ENSG0000015026	P2RX5	purinergic	ENSG000001519999	0.270732	2.289778	0.118235
ENSG00000151321	AMZ2	archaelysir	ENSG0000014457166	0.108031	0.914363	0.118148
ENSG0000019278	ZBTB22	zinc finger	ENSG0000011445747	0.168587	1.426937	0.118146
ENSG000001144100	PLEKHA7	pleckstrin	ENSG00000139235	-0.12888	1.09128	-0.1181
ENSG000001902	CCNH	cyclin H	ENSG0000013499652	-0.11739	0.995822	-0.11788
ENSG00000123398	PPWD1	peptidylpr	ENSG0000012289194	-0.13915	1.180453	-0.11788
ENSG000001114625	ERMAP	erythrobla	ENSG0000018646728	-0.21471	1.822631	-0.1178

ENSG00000152573	SHISA3	shisa family	ENSG00000152573	8.646728	-0.21471	1.822631	-0.1178
ENSG00000126655	BRD3OS	BRD3 oppo	ENSG00000126655	8.646728	-0.21471	1.822631	-0.1178
ENSG00000110607	TBL3	transducin	ENSG00000110607	8.646728	-0.21471	1.822631	-0.1178
ENSG00000183872	HMCN1	hemicentri	ENSG00000183872	71.02058	0.094524	0.802457	0.117793
ENSG00000165059	RAPH1	Ras associa	ENSG00000165059	24.89302	-0.1356	1.153531	-0.11755
ENSG00000179726	WDR59	WD repeat	ENSG00000179726	28.94423	-0.126	1.072289	-0.11751
ENSG0000011793	DOCK1	dedicator c	ENSG0000011793	71.16444	-0.09171	0.780489	-0.1175
ENSG000001158135	TTLL11	tubulin tyr	ENSG000001158135	6.551352	-0.24748	2.109099	-0.11734
ENSG0000016943	TCF21	transcripti	ENSG0000016943	4.488671	-0.28961	2.468837	-0.11731
ENSG00000129948	OSGIN1	oxidative s	ENSG00000129948	4.488671	-0.28961	2.468837	-0.11731
ENSG000001252983	STXBP4	syntaxin bi	ENSG000001252983	18.8181	-0.1506	1.284397	-0.11726
ENSG00000129890	RBM15B	RNA bindir	ENSG00000129890	34.98017	-0.11831	1.010386	-0.11709
ENSG0000015138	PDE2A	phosphodi	ENSG0000015138	35.05184	-0.11766	1.006131	-0.11695
ENSG0000015586	PKN2	protein kin	ENSG0000015586	81.20007	-0.08684	0.743147	-0.11686
ENSG00000110025	MED16	mediator c	ENSG00000110025	14.74427	-0.16848	1.441902	-0.11685
ENSG0000018886	DDX18	DEAD-box	ENSG0000018886	49.05693	-0.10299	0.882396	-0.11672
ENSG0000012188	FANCF	FA comple	ENSG0000012188	7.032627	0.228857	1.963233	0.116571
ENSG00000179004	CUEDC2	CUE domai	ENSG00000179004	33.03441	-0.12018	1.032276	-0.11642
ENSG000001131583	FAM43A	family with	ENSG000001131583	6.567699	-0.2401	2.067951	-0.11611
ENSG00000155775	TDP1	tyrosyl-DN	ENSG00000155775	6.567699	-0.2401	2.067951	-0.11611
ENSG00000129998	BICRA	BRD4 inter	ENSG00000129998	6.567699	-0.2401	2.067951	-0.11611
ENSG000001269958			ENSG000001269958	8.607755	-0.21083	1.816823	-0.11605
ENSG000001140823	ROMO1	reactive ox	ENSG000001140823	8.607755	-0.21083	1.816823	-0.11605
ENSG00000150628	GEMIN4	gem nucle	ENSG00000150628	14.76062	-0.16545	1.427491	-0.1159
ENSG0000017994	KAT6A	lysine acet	ENSG0000017994	147.2372	-0.07399	0.638875	-0.11582
ENSG00000183875	BCO2	beta-carot	ENSG00000183875	67.32889	0.091098	0.786637	0.115807
ENSG0000011962	EHHADH	enoyl-CoA	ENSG0000011962	23.80924	0.143761	1.241571	0.11579
ENSG00000160343	FAM3A	family with	ENSG00000160343	20.09492	0.143257	1.237592	0.115755
ENSG00000155007	FAM118A	family with	ENSG00000155007	29.28073	0.132616	1.145829	0.115738
ENSG00000155137	FIGN	fidgetin, m	ENSG00000155137	30.92268	-0.12139	1.050096	-0.1156
ENSG0000019933	PUM3	pumilio RN	ENSG0000019933	26.88782	-0.12821	1.109206	-0.11559
ENSG000001197320	ZNF778	zinc finger	ENSG000001197320	18.14536	0.15266	1.324369	0.11527
ENSG000001150274	HSCB	HscB mitoc	ENSG000001150274	4.472324	-0.29976	2.602541	-0.11518
ENSG00000156655	POLE4	DNA polyr	ENSG00000156655	10.64781	-0.19267	1.673038	-0.11516
ENSG00000110856	RUVBL2	RuvB like A	ENSG00000110856	20.11127	0.145583	1.266042	0.114991
ENSG000001889	KRIT1	KRIT1, ank	ENSG000001889	54.08181	0.097007	0.844289	0.114898
ENSG0000017046	TGFBR1	transformi	ENSG0000017046	48.28846	0.103179	0.898247	0.114867
ENSG0000013939	LDHA	lactate deh	ENSG0000013939	310.2399	0.064681	0.563169	0.114851
ENSG0000019416	DDX23	DEAD-box	ENSG0000019416	63.5467	0.091834	0.799637	0.114844
ENSG000001224950			ENSG000001224950	3.389979	0.328198	2.859345	0.114781
ENSG000001101927377	LOC101927	uncharacte	ENSG000001101927377	3.389979	0.328198	2.859345	0.114781
ENSG0000018402	SLC25A11	solute carr	ENSG0000018402	82.48028	0.087529	0.763159	0.114694
ENSG00000154933	RHBDL2	rhomboid	ENSG00000154933	2.348045	-0.38163	3.328204	-0.11467
ENSG00000110085241C	ZRANB2-A	ZRANB2 ar	ENSG00000110085241C	2.348045	-0.38163	3.328204	-0.11467
ENSG000001234584			ENSG000001234584	2.348045	-0.38163	3.328204	-0.11467
ENSG00000129994	BAZ2B	bromodorr	ENSG00000129994	2.348045	-0.38163	3.328204	-0.11467
ENSG000001232994			ENSG000001232994	2.348045	-0.38163	3.328204	-0.11467

ENSG000001271646			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001271828			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG0000012740	GLP1R	glucagon li	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001237742			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001272760			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001643827	CNTNAP3P	contactin a	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001262119			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001258461			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001101929387	LMF1-AS1	LMF1 antis	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001146227	BEAN1	brain expr	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001239	ALOX12	arachidona	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001215030			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001266987			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG0000011236	CCR7	C-C motif c	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001267503			ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG0000013249	HPN	hepsin	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG00000129844	TFPT	TCF3 fusio	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG000001284312	ZSCAN1	zinc finger	ENSG0000012348045	-0.38163	3.328204	-0.11467
ENSG00000155689	YEATS2	YEATS dom	ENSG00000140.75678	0.108861	0.949387	0.114664
ENSG00000157446	NDRG3	NDRG fami	ENSG00000144.60056	0.103611	0.90557	0.114415
ENSG000001283638	CEP170B	centrosom	ENSG00000116.3517	0.154505	1.350972	0.114365
ENSG0000017874	USP7	ubiquitin s	ENSG000001150.8815	0.072035	0.62995	0.114351
ENSG000001151188	ARL6IP6	ADP ribosy	ENSG0000018.865263	0.20465	1.789847	0.11434
ENSG000001132989	C4orf36	chromosor	ENSG00000116.3228	0.167447	1.465554	0.114255
ENSG000001101410535	LAMTOR5-	LAMTOR5 ;	ENSG0000014.449698	-0.28271	2.474667	-0.11424
ENSG000001347902	AMIGO2	adhesion n	ENSG0000014.449698	-0.28271	2.474667	-0.11424
ENSG0000016302	TSPAN31	tetraspanir	ENSG00000118.79548	-0.14628	1.283252	-0.11399
ENSG0000014714	NDUFB8	NADH:ubic	ENSG00000110.66416	-0.18826	1.65188	-0.11397
ENSG0000015682	PSMA1	proteasom	ENSG00000110.66416	-0.18826	1.65188	-0.11397
ENSG00000157567	ZNF319	zinc finger	ENSG00000110.66416	-0.18826	1.65188	-0.11397
ENSG000001128869	PIGU	phosphatic	ENSG00000110.66416	-0.18826	1.65188	-0.11397
ENSG0000019907	AP5Z1	adaptor rel	ENSG0000016.528727	-0.23518	2.065059	-0.11389
ENSG000001318	NUDT2	nudix hydr	ENSG0000016.528727	-0.23518	2.065059	-0.11389
ENSG000001284406	ZFP82	ZFP82 zinc	ENSG0000016.528727	-0.23518	2.065059	-0.11389
ENSG00000110914	PAPOLA	poly(A) pol	ENSG000001167.1526	-0.0703	0.617301	-0.11388
ENSG00000181614	NIPA2	NIPA magn	ENSG00000114.48009	0.162255	1.42498	0.113864
ENSG000001158586	ZXDB	zinc finger	ENSG00000114.48009	0.162255	1.42498	0.113864
ENSG000001122961	ISCA2	iron-sulfur	ENSG0000018.904236	0.200928	1.765769	0.113791
ENSG00000184612	PARD6B	par-6 famil	ENSG0000018.904236	0.200928	1.765769	0.113791
ENSG00000190736	FAM104B	family with	ENSG0000018.904236	0.200928	1.765769	0.113791
ENSG0000015547	PRCP	prolylcarb	ENSG00000150.26064	0.099238	0.872315	0.113764
ENSG00000122827	PUF60	poly(U) bin	ENSG00000134.99024	-0.11419	1.004358	-0.11369
ENSG00000110687	PNMA2	PNMA fam	ENSG00000110.73687	0.185672	1.633305	0.113679
ENSG0000015965	RECQL	RecQ like h	ENSG00000128.88263	-0.12184	1.073631	-0.11348
ENSG0000019469	CHST3	carbohydr	ENSG00000167.36159	0.091729	0.808662	0.113433
ENSG00000189122	TRIM4	tripartite n	ENSG00000126.8652	-0.12526	1.105168	-0.11334
ENSG0000019354	UBE4A	ubiquitinat	ENSG00000195.84677	0.079868	0.706075	0.113116



ENSG00000154928	IMPAD1	inositol mc	ENSG00000158.52	0.070401	0.623114	0.112983
ENSG00000123291	FBXW11	F-box and	ENSG000001124.342	0.074401	0.65921	0.112864
ENSG00000180233	FAAP100	FA core co	ENSG00000110.77585	0.182551	1.62317	0.112466
ENSG00000151531	TRMO	tRNA meth	ENSG00000112.66524	-0.17394	1.548253	-0.11235
ENSG0000011946	EFNA5	ephrin A5	ENSG00000125.755	0.125661	1.119443	0.112253
ENSG00000155061	SUSD4	sushi dom	ENSG0000015.222615	0.251793	2.246931	0.112061
ENSG000001130162	CLHC1	clathrin he	ENSG0000015.222615	0.251793	2.246931	0.112061
ENSG000001100131211	NEMP2	nuclear en	ENSG0000015.222615	0.251793	2.246931	0.112061
ENSG00000180194	TMEM134	transmem	ENSG0000015.222615	0.251793	2.246931	0.112061
ENSG00000129985	SLC39A3	solute carr	ENSG0000015.222615	0.251793	2.246931	0.112061
ENSG00000164860	ARMCX5	armadillo r	ENSG0000015.222615	0.251793	2.246931	0.112061
ENSG00000126012	NSMF	NMDA rec	ENSG00000110.62519	-0.18504	1.652354	-0.11199
ENSG0000019477	MED20	mediator c	ENSG00000114.51906	0.159809	1.427631	0.11194
ENSG0000013093	UBE2K	ubiquitin c	ENSG00000171.21793	0.086453	0.772772	0.111874
ENSG000001102	ADAM10	ADAM met	ENSG000001135.0811	-0.07238	0.647464	-0.11178
ENSG00000123463	ICMT	isoprenylc	ENSG00000199.04895	-0.07855	0.702874	-0.11175
ENSG0000018202	NCOA3	nuclear rec	ENSG000001157.0554	-0.07043	0.631008	-0.11162
ENSG0000018434	RECK	reversion i	ENSG00000122.79136	-0.13218	1.187908	-0.11127
ENSG0000013575	IL7R	interleukin	ENSG00000114.30158	0.181545	1.632059	0.111237
ENSG000001131566	DCBLD2	discoidin, C	ENSG00000183.08802	-0.08253	0.742049	-0.11122
ENSG00000151144	HSD17B12	hydroxyste	ENSG00000135.23624	0.109848	0.987807	0.111204
ENSG00000123216	TBC1D1	TBC1 dom	ENSG000001145.3219	0.070918	0.637984	0.11116
ENSG00000180833	APOL3	apolipopro	ENSG00000167.02339	0.096541	0.868833	0.111115
ENSG0000018665	EIF3F	eukaryotic	ENSG00000193.99779	0.078851	0.70982	0.111085
ENSG0000012932	GSK3B	glycogen s	ENSG000001128.2248	0.072942	0.657693	0.110905
ENSG000001144717	PHETA1	PH domain	ENSG00000114.73799	-0.15994	1.442498	-0.11088
ENSG000001372	ARCN1	archain 1	ENSG000001143.0113	-0.07083	0.639796	-0.11071
ENSG00000100279738			ENSG0000015.183643	0.258168	2.336873	0.110476
ENSG00000184329	HVCN1	hydrogen v	ENSG00000112.75953	-0.17681	1.60128	-0.11042
ENSG0000019792	SERTAD2	SERTA dom	ENSG00000134.92864	-0.1107	1.002734	-0.1104
ENSG0000016293	VPS52	VPS52, GAI	ENSG00000133.35835	0.114368	1.035978	0.110396
ENSG0000014863	NPAT	nuclear pr	ENSG00000132.85589	-0.11257	1.021951	-0.11015
ENSG000001203228	C9orf72	chromosor	ENSG00000127.61026	0.12203	1.109513	0.109985
ENSG00000110598	AHSA1	activator o	ENSG00000156.06026	0.091744	0.834634	0.109921
ENSG0000013185	HNRNPF	heterogen	ENSG000001107.001	0.079898	0.727047	0.109894
ENSG000001342035	GLDN	gliomedin	ENSG00000118.74016	-0.14616	1.330603	-0.10985
ENSG0000015859	QARS	glutaminy	ENSG000001100.9884	-0.07737	0.70481	-0.10977
ENSG00000127090	ST6GALNA	ST6 N-acet	ENSG0000018.943209	0.197084	1.796465	0.109706
ENSG00000154504	CPVL	carboxype	ENSG00000163.5756	0.089012	0.811901	0.109633
ENSG00000184444	DOT1L	DOT1 like	ENSG00000112.64262	-0.16757	1.529692	-0.10954
ENSG000001255631	COL2A1	collagen ty	ENSG0000013.412604	0.298843	2.728534	0.109525
ENSG000001101927217	LINC01473	long interg	ENSG0000013.412604	0.298843	2.728534	0.109525
ENSG00000100214439			ENSG0000013.412604	0.298843	2.728534	0.109525
ENSG00000164410	KLHL25	kelch like	ENSG0000013.412604	0.298843	2.728534	0.109525
ENSG00000100273284			ENSG0000013.412604	0.298843	2.728534	0.109525
ENSG00000179149	ZSCAN5A	zinc finger	ENSG0000013.412604	0.298843	2.728534	0.109525
ENSG0000015479	PPIB	peptidylpr	ENSG00000116.7001	-0.15015	1.372155	-0.10943

ENSG00000184259	DCUN1D5	defective in	ENSG00000167164	-0.1476	1.349301	-0.10939
ENSG00000194031	HTRA3	HtrA serine	ENSG00000167428	-0.09695	0.886698	-0.10933
ENSG0000014139	MARK1	microtubul	ENSG00000132872	-0.11147	1.020989	-0.10918
ENSG00000164207	IRF2BPL	interferon	ENSG00000126803	-0.12078	1.106835	-0.10912
ENSG0000015524	PTPA	protein ph	ENSG00000186482	0.079659	0.730243	0.109085
ENSG0000015898	RALA	RAS like pr	ENSG00000129592	0.119872	1.10068	0.108907
ENSG00000157584	ARHGAP21	Rho GTPas	ENSG00000117961	0.066182	0.607734	0.1089
ENSG00000122846	VASH1	vasohibin 1	ENSG00000116413	0.146776	1.348921	0.10881
ENSG00000164855	FAM129B	family with	ENSG00000152939	-0.09296	0.854592	-0.10878
ENSG0000011466	CSRP2	cysteine ar	ENSG00000122768	-0.12866	1.182941	-0.10876
ENSG00000123481	PES1	pescadillo	ENSG00000118717	-0.14212	1.306933	-0.10874
ENSG00000155671	PPP4R3A	protein ph	ENSG00000171246	0.083966	0.774304	0.108441
ENSG000001198744			ENSG00000110814	0.179206	1.652951	0.108416
ENSG00000179725	THAP9	THAP dom	ENSG00000170552	0.215326	1.988773	0.108271
ENSG000001121457	IKBIP	IKBKB inter	ENSG00000170552	0.215326	1.988773	0.108271
ENSG00000129116	MYLIP	myosin reg	ENSG00000124769	-0.12589	1.163712	-0.10818
ENSG00000125917	THUMPD3	THUMP do	ENSG00000127727	0.117443	1.085849	0.108158
ENSG000001831	CAST	calpastatin	ENSG00000161731	0.063729	0.589656	0.108079
ENSG0000015527	PPP2R5C	protein ph	ENSG00000118540	0.065183	0.603228	0.108058
ENSG00000179706	PRKRIP1	PRKR inter	ENSG00000114660	-0.15494	1.433869	-0.10806
ENSG0000015636	PRPSAP2	phosphorik	ENSG00000114660	-0.15494	1.433869	-0.10806
ENSG0000017576	ZNF28	zinc finger	ENSG00000114660	-0.15494	1.433869	-0.10806
ENSG00000191947	ARRDC4	arrestin do	ENSG00000139080	0.103755	0.960863	0.107982
ENSG0000011786	DNMT1	DNA meth	ENSG00000138846	-0.10376	0.961263	-0.10794
ENSG0000013416	IDE	insulin deg	ENSG00000192132	0.077603	0.719448	0.107865
ENSG0000015590	PRKCZ	protein kin	ENSG00000170942	0.210816	1.957157	0.107715
ENSG00000190850	ZNF598	zinc finger	ENSG00000170942	0.210816	1.957157	0.107715
ENSG0000015747	PTK2	protein tyr	ENSG00000113290	-0.06999	0.649929	-0.10769
ENSG000001255743	NPNT	nephronec	ENSG00000110586	-0.18154	1.687756	-0.10756
ENSG00000155154	MSTO1	misato 1, n	ENSG00000165061	-0.2223	2.067463	-0.10752
ENSG00000155110	MAGOHB	mago hom	ENSG00000165061	-0.2223	2.067463	-0.10752
ENSG0000019781	RNF144A	ring finger	ENSG00000130815	-0.11239	1.045309	-0.10752
ENSG0000018986	RPS6KA4	ribosomal	ENSG00000112670	0.162234	1.510877	0.107377
ENSG000001353088	ZNF429	zinc finger	ENSG00000112670	0.162234	1.510877	0.107377
ENSG0000016272	SORT1	sortilin 1	ENSG00000129959	0.05983	0.557359	0.107346
ENSG0000015140	PDE3B	phosphodi	ENSG00000128954	-0.12124	1.132363	-0.10707
ENSG00000180021	TMEM62	transmembr	ENSG00000110798	0.173888	1.624414	0.107046
ENSG00000160485	SAV1	salvador fa	ENSG00000139008	0.103048	0.962847	0.107024
ENSG0000016499	SKIV2L	Ski2 like R	ENSG00000126764	-0.11923	1.115949	-0.10684
ENSG00000155540	IL17RB	interleukin	ENSG00000144270	-0.26379	2.469858	-0.1068
ENSG0000015754	PTK7	protein tyr	ENSG00000144270	-0.26379	2.469858	-0.1068
ENSG000001348645	C22orf34	chromosom	ENSG00000144270	-0.26379	2.469858	-0.1068
ENSG00000157728	WDR19	WD repeat	ENSG00000118694	-0.13789	1.292387	-0.1067
ENSG000001203238	CCDC171	coiled-coil	ENSG00000165450	-0.22797	2.136897	-0.10668
ENSG00000155902	ACSS2	acyl-CoA sy	ENSG00000110903	-0.07432	0.696948	-0.10664
ENSG0000015573	PRKAR1A	protein kin	ENSG00000154442	-0.0567	0.533076	-0.10637
ENSG000001260077			ENSG00000152615	0.24566	2.310059	0.106344

ENSG000001151790	WDR49	WD repeat	ENSG0000015261588	0.24566	2.310059	0.106344
ENSG00000179007	DBNDD1	dysbindin c	ENSG0000015261588	0.24566	2.310059	0.106344
ENSG00000110902	BRD8	bromodorr	ENSG0000015036749	0.093605	0.883072	0.105999
ENSG000001401207	C5orf63	chromosor	ENSG0000018965834	0.1867	1.763633	0.105861
ENSG0000012647	BLOC1S1	biogenesis	ENSG0000018965834	0.1867	1.763633	0.105861
ENSG00000110621	POLR3F	RNA polym	ENSG0000018965834	0.1867	1.763633	0.105861
ENSG000001388789	SMIM26	small integ	ENSG0000018965834	0.1867	1.763633	0.105861
ENSG0000014087	SMAD2	SMAD fam	ENSG0000011288277	-0.06936	0.655299	-0.10585
ENSG00000151001	MTERF3	mitochond	ENSG0000011830753	0.136491	1.289478	0.10585
ENSG0000016907	TBL1X	transducin	ENSG0000013151565	0.109154	1.031392	0.105832
ENSG00000191875	TTC5	tetratricop	ENSG0000011458066	0.151068	1.42952	0.105677
ENSG00000110775	POP4	POP4 hom	ENSG0000011458066	0.151068	1.42952	0.105677
ENSG0000011950	EGF	epidermal	ENSG0000012274611	-0.12511	1.184263	-0.10564
ENSG00000160436	TGIF2	TGFB induc	ENSG0000011260364	-0.16454	1.56024	-0.10546
ENSG00000111104	KATNA1	katanin cat	ENSG0000011261999	-0.16101	1.526836	-0.10545
ENSG00000157107	PDSS2	decaprenyl	ENSG0000012398396	0.121209	1.150281	0.105374
ENSG00000111165	NUDT3	nudix hydr	ENSG0000015614449	0.088064	0.835802	0.105365
ENSG00000151759	C9orf78	chromosor	ENSG0000012875943	-0.11347	1.077433	-0.10532
ENSG00000151154	MRT04	MRT4 hom	ENSG0000011270905	0.159505	1.515359	0.105259
ENSG00000184717	HDGFL2	HDGF like	ENSG0000011669382	-0.1427	1.356836	-0.10517
ENSG00000123309	SIN3B	SIN3 trans	ENSG0000013717573	0.102288	0.972956	0.105131
ENSG00000163935	PCIF1	PDX1 C-ter	ENSG0000012207338	0.125313	1.19507	0.104858
ENSG00000129855	UBN1	ubinnuclein	ENSG0000011088935	-0.07209	0.688624	-0.10469
ENSG0000018646	CHRD	chordin	ENSG0000016467129	-0.21734	2.081159	-0.10443
ENSG000001705	BYSL	bystin like	ENSG0000016467129	-0.21734	2.081159	-0.10443
ENSG0000014076	CAPRIN1	cell cycle a	ENSG0000011926991	-0.06275	0.60142	-0.10434
ENSG0000013615	IMPDH2	inosine mo	ENSG0000016354291	0.088564	0.850889	0.104084
ENSG00000129979	UBQLN1	ubiquilin 1	ENSG0000011247702	-0.06863	0.659949	-0.10399
ENSG00000155832	CAND1	cullin asso	ENSG0000017283491	-0.08201	0.7889	-0.10395
ENSG000001100129361	SMIM10L1	small integ	ENSG0000012967673	0.112861	1.086008	0.103923
ENSG0000019325	TRIP4	thyroid ho	ENSG0000012587819	0.115851	1.115234	0.103881
ENSG000001843	CASP10	caspase 10	ENSG0000012672565	-0.11757	1.133144	-0.10376
ENSG00000110957	PNRC1	proline ric	ENSG0000011718827	0.067079	0.6473	0.10363
ENSG00000151320	MEX3C	mex-3 RNA	ENSG000001367839	-0.10106	0.975494	-0.1036
ENSG0000015536	PPP5C	protein ph	ENSG000001468258	-0.09248	0.893204	-0.10354
ENSG00000111101	ATE1	arginyltr	ENSG0000018284163	-0.07653	0.740133	-0.1034
ENSG00000180335	WDR82	WD repeat	ENSG0000011208296	-0.06928	0.670289	-0.10337
ENSG0000014000	LMNA	lamin A/C	ENSG0000011189681	-0.07121	0.690212	-0.10317
ENSG0000018648	NCOA1	nuclear rec	ENSG0000011760219	0.063413	0.615349	0.103052
ENSG00000180319	CXXC4	CXXC finge	ENSG0000018523532	-0.18742	1.822838	-0.10282
ENSG00000155568	GALNT10	polypeptid	ENSG000001427746	-0.09472	0.922227	-0.10271
ENSG0000014593	MUSK	muscle ass	ENSG00000143881	-0.25672	2.508402	-0.10234
ENSG0000015106	PCK2	phosphoer	ENSG00000143881	-0.25672	2.508402	-0.10234
ENSG000001283989	TSEN54	tRNA splici	ENSG00000143881	-0.25672	2.508402	-0.10234
ENSG0000017184	HSP90B1	heat shock	ENSG0000013458032	0.055773	0.545131	0.102311
ENSG00000190957	DHX57	DEXH-box	ENSG0000012400658	0.117581	1.150807	0.102173
ENSG000001100499177	THAP9-AS1	THAP9 anti	ENSG0000011460329	0.144858	1.419267	0.102065

ENSG0000018515	ITGA10	integrin su	ENSG00000152424	0.233308	2.287259	0.102003
ENSG0000019824	ARHGAP11	Rho GTPas	ENSG00000152424	0.233308	2.287259	0.102003
ENSG00000155810	FOXJ2	forkhead b	ENSG00000170.82127	-0.07935	0.778042	-0.10198
ENSG00000151657	STYXL1	serine/thre	ENSG0000015284213	0.227485	2.238686	0.101615
ENSG0000018788	DLK1	delta like n	ENSG0000015284213	0.227485	2.238686	0.101615
ENSG00000179915	ATAD5	ATPase fan	ENSG0000015284213	0.227485	2.238686	0.101615
ENSG0000019546	APBA3	amyloid be	ENSG0000015284213	0.227485	2.238686	0.101615
ENSG0000014780	NFE2L2	nuclear fac	ENSG00000184.74214	-0.07464	0.734727	-0.10158
ENSG00000110370	CITED2	Cbp/p300 i	ENSG00000148.78164	-0.08931	0.879205	-0.10158
ENSG00000123091	ZC3H13	zinc finger	ENSG000001132.3766	0.06707	0.660531	0.101539
ENSG00000155273	TMEM100	transmembr	ENSG00000114.61963	0.148267	1.462707	0.101365
ENSG00000157539	WDR35	WD repeat	ENSG00000128.69783	-0.10927	1.079905	-0.10118
ENSG00000179587	CARS2	cysteiny-l-t	ENSG00000137.2763	0.097686	0.966213	0.101101
ENSG000001199731	CADM4	cell adhesi	ENSG0000019.004807	0.18267	1.807446	0.101065
ENSG00000157561	ARRDC3	arrestin do	ENSG00000161.98308	0.081473	0.807347	0.100914
ENSG00000179912	PYROXD1	pyridine nt	ENSG00000118.36913	0.129604	1.286404	0.100749
ENSG00000157523	NYNRIN	NYN doma	ENSG00000120.66709	-0.12404	1.232389	-0.10065
ENSG00000184640	USP38	ubiquitin s	ENSG00000144.83061	0.091464	0.908954	0.100625
ENSG00000123484	LEPROTL1	leptin rece	ENSG00000154.38352	0.087114	0.865943	0.1006
ENSG00000160312	AFAP1	actin filam	ENSG00000132.71007	-0.10279	1.021976	-0.10058
ENSG00000151292	GMPR2	guanosine	ENSG00000132.71007	-0.10279	1.021976	-0.10058
ENSG00000191647	ATPAF2	ATP syntha	ENSG00000110.54096	-0.16605	1.654209	-0.10038
ENSG0000011114	CHGB	chromogra	ENSG00000110.54096	-0.16605	1.654209	-0.10038
ENSG00000180153	EDC3	enhancer c	ENSG00000110.8211	0.165521	1.649311	0.100358
ENSG0000015663	PSEN1	presenilin	ENSG00000148.72632	-0.08894	0.88652	-0.10032
ENSG00000111248	NXPH3	neurexoph	ENSG0000017.11685	0.197341	1.968467	0.100251
ENSG000001127703	C1orf216	chromosom	ENSG00000114.6148	-0.14367	1.437284	-0.09996
ENSG00000151611	DPH5	diphthamic	ENSG00000114.6148	-0.14367	1.437284	-0.09996
ENSG0000011479	CSTF3	cleavage st	ENSG00000114.6148	-0.14367	1.437284	-0.09996
ENSG00000155304	SPTLC3	serine paln	ENSG00000114.6148	-0.14367	1.437284	-0.09996
ENSG00000184148	KAT8	lysine acet	ENSG00000141.02579	0.094422	0.945682	0.099845
ENSG000001740	MRPL49	mitochond	ENSG00000132.76539	-0.10303	1.033714	-0.09967
ENSG0000018065	CUL5	cullin 5	ENSG00000182.94037	0.074662	0.749173	0.099659
ENSG00000191782	CHMP7	charged m	ENSG00000139.2095	0.094225	0.947837	0.09941
ENSG00000154471	MIEF1	mitochond	ENSG00000139.2095	0.094225	0.947837	0.09941
ENSG00000179147	FKRP	fukutin rel	ENSG00000116.45855	0.135971	1.368614	0.099349
ENSG0000013737	KCNA2	potassium	ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG000001238	ALK	ALK recept	ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG000001100874131	ZBTB20-AS	ZBTB20 an	ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG000001104797538	KCNMB2-A	KCNMB2 a	ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG0000010251603			ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG000001101928445	LOC101928	uncharacte	ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG000001392636	AGMO	alkylglycer	ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG000001349114	LINC00265	long interg	ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG00000179873	NUDT18	nudix hydr	ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG0000010272155			ENSG0000012.286447	-0.33315	3.353908	-0.09933
ENSG000001100507316	MINCR	MYC-induc	ENSG0000012.286447	-0.33315	3.353908	-0.09933

ENSG000001234160			ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001232630			ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG00000123590	PDSS1	decaprenyl	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001414157	C10orf62	chromosom	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001114971	PTPMT1	protein tyr	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001120379	PIH1D2	PIH1 doma	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG00000123409	SIRT4	sirtuin 4	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001400123	LINC00548	long interg	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001270055			ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001259556			ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001260793			ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG00000157593	EBF4	EBF family	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001149840	SHLD1	shieldin co	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG00000101898			ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG00000126226	FBXW4P1	F-box and	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001139886	SPIN4	spindlin fa	ENSG000001286447	-0.33315	3.353908	-0.09933
ENSG000001117143	TADA1	transcripti	ENSG0000011255839	-0.15161	1.529189	-0.09914
ENSG0000017855	FZD5	frizzled cl	ENSG0000018949486	0.180333	1.819679	0.099102
ENSG00000110121	ACTR1A	ARP1 actin	ENSG0000011229569	0.066332	0.669429	0.099087
ENSG00000164062	RBM26	RNA bindir	ENSG0000017269916	-0.07615	0.768561	-0.09908
ENSG00000110342	TFG	TRK-fused	ENSG0000016075675	-0.08104	0.81822	-0.09904
ENSG00000151234	EMC4	ER membr	ENSG000001184081	0.127577	1.288946	0.098978
ENSG00000111094	CACFD1	calcium ch	ENSG0000017155823	0.192966	1.954951	0.098706
ENSG00000156952	PRTFDC1	phosphorik	ENSG0000017155823	0.192966	1.954951	0.098706
ENSG000001541578	CXorf40B	chromosom	ENSG0000017155823	0.192966	1.954951	0.098706
ENSG0000011310	COL19A1	collagen ty	ENSG0000016444504	-0.20432	2.070678	-0.09867
ENSG000001440345	NPIP4	nuclear po	ENSG0000016444504	-0.20432	2.070678	-0.09867
ENSG0000015261	PHKG2	phosphory	ENSG0000016444504	-0.20432	2.070678	-0.09867
ENSG00000155751	TMEM184	transmem	ENSG0000014272935	-0.09112	0.923843	-0.09863
ENSG000001259865			ENSG0000012309072	-0.3661	3.715444	-0.09854
ENSG000001280173			ENSG0000012309072	-0.3661	3.715444	-0.09854
ENSG0000019076	CLDN1	claudin 1	ENSG0000012309072	-0.3661	3.715444	-0.09854
ENSG0000019242	MSC	musculin	ENSG0000012309072	-0.3661	3.715444	-0.09854
ENSG0000013574	IL7	interleukin	ENSG0000012309072	-0.3661	3.715444	-0.09854
ENSG000001100885775	BANCR	BRAF-activ	ENSG0000012309072	-0.3661	3.715444	-0.09854
ENSG000001219736	STOX1	storkhead	ENSG0000012309072	-0.3661	3.715444	-0.09854
ENSG000001101927621	LINC01534	long interg	ENSG0000012309072	-0.3661	3.715444	-0.09854
ENSG00000179947	DHDDS	dehydrodo	ENSG0000012467932	-0.11303	1.147158	-0.09853
ENSG0000019908	G3BP2	G3BP stres	ENSG0000011266876	0.068134	0.691707	0.098501
ENSG000001327	APEH	acylamino	ENSG0000016393891	0.078572	0.798567	0.098391
ENSG00000156998	CTNNBIP1	catenin be	ENSG0000013070899	-0.10331	1.051789	-0.09822
ENSG0000014360	MRC1	mannose r	ENSG0000011238218	0.24745	2.52116	0.098149
ENSG00000184541	KBTBD8	kelch repe	ENSG0000011089904	0.159106	1.62498	0.097913
ENSG0000019443	MED7	mediator c	ENSG0000011089904	0.159106	1.62498	0.097913
ENSG0000018447	DOC2B	double C2	ENSG0000011050199	-0.16275	1.670273	-0.09744
ENSG000001283431	GAS2L3	growth arr	ENSG0000017077877	0.203246	2.086447	0.097413
ENSG00000190806	ANGEL2	angel hom	ENSG0000013067001	-0.10194	1.047222	-0.09734

ENSG00000123357	ANGEL1	angel hom	ENSG00000130.67001	-0.10194	1.047222	-0.09734
ENSG0000016910	TBX5	T-box 5	ENSG00000158.97315	-0.0869	0.894837	-0.09711
ENSG00000155614	KIF16B	kinesin fam	ENSG00000138.77243	-0.09505	0.980313	-0.09696
ENSG0000019817	KEAP1	kelch like E	ENSG00000152.52446	0.082868	0.85518	0.096901
ENSG0000016638	SNRPN	small nucle	ENSG00000122.21292	0.11605	1.197752	0.09689
ENSG0000019113	LATS1	large tumo	ENSG00000154.37973	0.08269	0.854039	0.096823
ENSG00000110826	FAXDC2	fatty acid h	ENSG00000179.13176	0.072847	0.754062	0.096606
ENSG0000019202	ZMYM4	zinc finger	ENSG00000183.03087	0.071119	0.736861	0.096516
ENSG000001619279	ZNF704	zinc finger	ENSG000001168.3177	-0.05944	0.615934	-0.09651
ENSG0000013910	LAMA4	laminin su	ENSG000001139.9447	0.068148	0.707077	0.09638
ENSG00000111147	HHLA3	HERV-H LT	ENSG0000013.474202	0.26151	2.715959	0.096286
ENSG00000179833	GEMIN6	gem nucle	ENSG0000013.474202	0.26151	2.715959	0.096286
ENSG000001101926943	LOC101926	uncharacte	ENSG0000013.474202	0.26151	2.715959	0.096286
ENSG00000155071	C9orf40	chromosom	ENSG0000013.474202	0.26151	2.715959	0.096286
ENSG00000179703	C11orf80	chromosom	ENSG0000013.474202	0.26151	2.715959	0.096286
ENSG0000015827	PXMP2	peroxisom	ENSG0000013.474202	0.26151	2.715959	0.096286
ENSG0000011636	ACE	angiotensi	ENSG0000013.474202	0.26151	2.715959	0.096286
ENSG00000157105	CYSLTR2	cysteiny l	ENSG00000124.10715	0.110687	1.150529	0.096205
ENSG0000016209	RPS15	ribosomal	ENSG00000182.84229	0.073389	0.764238	0.096029
ENSG00000156063	TMEM234	transmem	ENSG0000014.365475	-0.23759	2.477801	-0.09589
ENSG00000126049	FAM169A	family with	ENSG0000014.365475	-0.23759	2.477801	-0.09589
ENSG0000016865	TACR2	tachykinin	ENSG0000014.365475	-0.23759	2.477801	-0.09589
ENSG000001439994	LINC00863	long interg	ENSG0000014.365475	-0.23759	2.477801	-0.09589
ENSG00000155520	ELAC1	elaC ribon	ENSG0000014.365475	-0.23759	2.477801	-0.09589
ENSG0000015911	RAP2A	RAP2A, me	ENSG00000165.80045	0.077045	0.804117	0.095814
ENSG000001285704	RGMB	repulsive g	ENSG00000112.7543	0.14514	1.516065	0.095735
ENSG0000019214	FCMR	Fc fragmen	ENSG0000013.435229	0.270156	2.823446	0.095683
ENSG000001283481	FGF14-AS2	FGF14 anti	ENSG0000013.435229	0.270156	2.823446	0.095683
ENSG0000019554	SEC22B	SEC22 hom	ENSG00000140.64025	-0.0922	0.963613	-0.09568
ENSG00000126249	KLHL3	kelch like f	ENSG00000196.36846	0.067442	0.705389	0.09561
ENSG0000013703	STT3A	STT3A, cat	ENSG00000173.52701	0.072982	0.763828	0.095548
ENSG0000013306	HSPA2	heat shock	ENSG00000116.6096	-0.13066	1.370757	-0.09532
ENSG00000155432	YOD1	YOD1 deut	ENSG00000120.34131	0.118175	1.240674	0.095251
ENSG00000155335	NIPSNAP3	nipsnap ho	ENSG00000120.34131	0.118175	1.240674	0.095251
ENSG00000155632	G2E3	G2/M-phas	ENSG00000120.34131	0.118175	1.240674	0.095251
ENSG00000184874	ZNF514	zinc finger	ENSG00000128.61361	-0.10229	1.077583	-0.09492
ENSG00000157617	VPS18	VPS18, CO	ENSG00000124.6567	-0.10981	1.156986	-0.09491
ENSG000001166348	KBTBD12	kelch repe	ENSG00000164.59674	-0.07685	0.809738	-0.09491
ENSG0000010261069			ENSG00000110.65788	-0.17928	1.889101	-0.0949
ENSG00000179966	SCD5	stearoyl-C	ENSG0000016.405531	-0.19922	2.101721	-0.09479
ENSG00000192270	ATP6AP1L	ATPase H+	ENSG0000016.405531	-0.19922	2.101721	-0.09479
ENSG00000122866	CNKSR2	connector	ENSG0000016.405531	-0.19922	2.101721	-0.09479
ENSG000001142686	ASB14	ankyrin re	ENSG00000116.57063	-0.12833	1.355319	-0.09469
ENSG000001402055	SRRD	SRR1 dom	ENSG00000116.57063	-0.12833	1.355319	-0.09469
ENSG0000010279289			ENSG00000112.79328	0.142402	1.504408	0.094656
ENSG00000179738	BBS10	Bardet-Bie	ENSG00000112.79328	0.142402	1.504408	0.094656
ENSG000001125919	ZNF543	zinc finger	ENSG00000114.5532	-0.13549	1.436222	-0.09434

ENSG00000184932	RAB2B	RAB2B, membrane	16.52015	0.128285	1.360494	0.094293
ENSG00000123678	SGK3	serum/glucocorticoid-inducible kinase	5.323186	0.220695	2.345318	0.0941
ENSG00000151447	IP6K2	inositol hexakisphosphate kinase 2	26.59618	-0.10425	1.109444	-0.09396
ENSG00000155680	RUFY2	RUN and FIM1 domain-containing protein 2	26.59618	-0.10425	1.109444	-0.09396
ENSG000001135228	CD109	CD109 molecule	62.78425	-0.07921	0.843217	-0.09394
ENSG00000180022	MYO15B	myosin XVI	39.29373	0.088895	0.947599	0.093811
ENSG00000151193	ZNF639	zinc finger protein 639	35.44994	0.093282	0.996525	0.093608
ENSG0000017175	TPR	translocated protein 1	249.7916	-0.05349	0.571923	-0.09352
ENSG00000151263	MRPL30	mitochondrial ribosomal protein L30	26.04036	0.104547	1.118427	0.093477
ENSG00000181858	SHARPIN	SHANK associated phosphatase	18.54909	-0.12071	1.292312	-0.0934
ENSG0000016100	RP9	RP9, pre-mRNA processing factor	10.92167	0.150632	1.61298	0.093388
ENSG00000111154	AP4S1	adaptor related protein 4 sigma 1	10.92167	0.150632	1.61298	0.093388
ENSG0000015277	PIGA	phosphatidylinositol 4-phosphate 5-kinase class I alpha	10.92167	0.150632	1.61298	0.093388
ENSG0000018507	ENC1	ectoderm neural crest 1	10.47936	-0.15483	1.657959	-0.09339
ENSG0000011659	DHX8	DEAH-box protein 8	54.58754	-0.0789	0.845222	-0.09334
ENSG00000164710	NUCKS1	nuclear casein kinase 1	468.8458	0.048979	0.52586	0.093142
ENSG00000157683	ZDBF2	zinc finger protein 2	32.68117	-0.09696	1.04253	-0.09301
ENSG000001197257	LDHD	lactate dehydrogenase D	48.59684	-0.08176	0.879717	-0.09294
ENSG00000110755	GIPC1	GIPC PDZ domain 1	16.53166	-0.12611	1.357116	-0.09293
ENSG0000016223	RPS19	ribosomal protein S19	132.4758	0.062702	0.674891	0.092908
ENSG00000110474	TADA3	transcriptional activator 3	46.92598	0.082379	0.887546	0.092816
ENSG000001220869	CBWD5	COBWD domain containing 5	5.306838	0.209096	2.253539	0.092786
ENSG000001387496	RASL11A	RAS like family class A member 11A	5.306838	0.209096	2.253539	0.092786
ENSG00000179913	ACTR5	ARP5 actin nucleation factor 5	5.306838	0.209096	2.253539	0.092786
ENSG0000011176	AP3S1	adaptor related protein 3 sigma 1	25.98504	0.10441	1.125771	0.092745
ENSG00000179441	HAUS3	HAUS augmin complex subunit 3	12.49679	-0.14216	1.532886	-0.09274
ENSG00000184273	NOA1	nitric oxide synthase associated 1	12.49679	-0.14216	1.532886	-0.09274
ENSG00000184124	ZNF394	zinc finger protein 394	24.5624	-0.10806	1.165596	-0.09271
ENSG0000016632	SNRPD1	small nuclear ribonucleoprotein D1	14.51422	-0.13302	1.435532	-0.09266
ENSG00000154884	RETSAT	retinol saturation protein	39.3327	0.087767	0.947594	0.092621
ENSG0000019136	RRP9	ribosomal protein R9	9.011084	0.166083	1.796122	0.092467
ENSG0000019934	P2RY14	purinergic receptor G-protein-coupled 14	9.066405	0.168303	1.822139	0.092366
ENSG00000122828	SCAF8	SR-related family class A member 8	124.3164	-0.06102	0.660833	-0.09234
ENSG00000111047	ADRM1	adhesion related molecule 1	14.64854	0.132649	1.44154	0.092019
ENSG00000181602	CDADC1	cytidine anucleoside diphosphate deaminase 1	7.178448	0.179629	1.952833	0.091984
ENSG0000017508	XPC	XPC complex protein	22.2192	0.11001	1.196306	0.091958
ENSG000001221937	FOXK1	forkhead box K1	76.48763	-0.06966	0.758236	-0.09187
ENSG00000111336	EXOC3	exocyst complex subunit 3	37.42212	0.088686	0.965735	0.091832
ENSG000001219749	ZNF25	zinc finger protein 25	48.84664	0.08434	0.925751	0.091104
ENSG00000180254	CEP63	centrosome protein 63	43.16014	0.083359	0.915179	0.091085
ENSG0000014015	LOX	lysyl oxidase	22.14125	0.114205	1.254066	0.091068
ENSG00000122824	HSPA4L	heat shock protein 4 class B family class A member 4L	26.06299	0.101261	1.112567	0.091016
ENSG00000111153	FICD	FIC domain containing protein	5.345811	0.203512	2.236729	0.090986
ENSG0000012841	GPR18	G protein-coupled receptor 18	5.345811	0.203512	2.236729	0.090986
ENSG0000017468	NSD2	nuclear receptor subfamily 2 group 1 member 2	90.8253	0.06571	0.722637	0.090931
ENSG00000184914	ZNF587	zinc finger protein 587	24.53978	-0.10487	1.153762	-0.0909
ENSG00000123135	KDM6B	lysine demethylase 6B	41.13264	0.087547	0.963211	0.090891

ENSG00000123002	DAAM1	dishevelled	ENSG00000124326	5	-0.06033	0.663982	-0.09087
ENSG00000184275	SLC25A33	solute carrier	ENSG00000164218	7	-0.1913	2.106159	-0.09083
ENSG00000155014	STX17	syntrophin 17	ENSG00000128552	1	-0.09805	1.079542	-0.09083
ENSG00000154870	QRICH1	glutamine rich	ENSG00000176465	1	-0.06871	0.75686	-0.09079
ENSG00000140109	MBNL1-AS1	MBNL1 antisense	ENSG00000110960	6	0.147478	1.628778	0.090545
ENSG00000110553	HTATIP2	HIV-1 Tat interaction	ENSG00000110960	6	0.147478	1.628778	0.090545
ENSG00000122129	NT5DC1	5'-nucleotidase	ENSG00000146540	4	-0.081	0.894971	-0.09051
ENSG00000129109	FHOD1	formin homology	ENSG00000118510	1	-0.11856	1.310383	-0.09048
ENSG00000123385	NCSTN	nectin	ENSG00000177477	6	0.067959	0.751975	0.090374
ENSG00000111482	PWWP2A	PWWP domain	ENSG00000127957	2	0.097663	1.08116	0.090331
ENSG0000018907	AP1M1	adaptor protein 1	ENSG00000127957	2	0.097663	1.08116	0.090331
ENSG0000016310	ATXN1	ataxin 1	ENSG00000111565	5	0.061375	0.68045	0.090197
ENSG00000156254	RNF20	ring finger	ENSG00000173660	2	0.071023	0.787847	0.090148
ENSG0000014627	MYH9	myosin heavy chain	ENSG00000154753	2	0.046875	0.520079	0.09013
ENSG00000113443	WDR36	WD repeat	ENSG00000152514	7	-0.07855	0.871736	-0.09011
ENSG00000110042	HMGXB4	HMG-box	ENSG00000124556	1	-0.10323	1.146357	-0.09005
ENSG0000015606	MAP2K3	mitogen-activated	ENSG00000133643	7	0.097215	1.079799	0.090031
ENSG00000184899	TMTC4	transmembrane	ENSG00000110440	3	-0.15144	1.682433	-0.09001
ENSG00000191107	TRIM47	tripartite motif	ENSG00000110440	3	-0.15144	1.682433	-0.09001
ENSG0000018339	HIST1H2BC	histone H2B	ENSG00000143265	3	-0.23005	2.558023	-0.08993
ENSG00000102742			ENSG00000143265	3	-0.23005	2.558023	-0.08993
ENSG00000111226	GALNT6	polypeptide	ENSG00000143265	3	-0.23005	2.558023	-0.08993
ENSG0000012130	EWSR1	EWS RNA binding	ENSG00000115936	8	0.0576	0.641157	0.089838
ENSG0000017727	ZNF174	zinc finger	ENSG00000190890	3	0.158557	1.767222	0.089721
ENSG0000016176	RPLP1	ribosomal protein	ENSG00000126367	2	-0.05373	0.598914	-0.08971
ENSG00000111481	CROCCP3	ciliary root	ENSG00000172174	2	0.175281	1.956575	0.089586
ENSG0000017130	TNFAIP6	TNF alpha	ENSG00000172174	2	0.175281	1.956575	0.089586
ENSG00000126017	FAM32A	family with	ENSG00000129851	4	0.094554	1.055541	0.089579
ENSG00000110212	DDX39A	DEXD-box	ENSG00000112457	8	-0.13922	1.555202	-0.08952
ENSG00000126164	MTG2	mitochondrial	ENSG00000122577	6	-0.10739	1.199824	-0.0895
ENSG00000179809	TTC21B	tetratricopeptide	ENSG00000140605	7	-0.08506	0.952209	-0.08933
ENSG00000122189	JAZF1	JAZF zinc finger	ENSG00000116509	3	-0.12111	1.355834	-0.08932
ENSG00000110540	DCTN2	dynactin subunit	ENSG00000183238	2	0.065592	0.736218	0.089094
ENSG00000123471	TRAM1	translocation	ENSG00000110297	6	0.061623	0.695053	0.08866
ENSG0000019541	CIR1	corepressor	ENSG00000128513	4	-0.09656	1.089836	-0.0886
ENSG00000125943	C20orf194	chromosome	ENSG00000186494	3	-0.06592	0.744995	-0.08848
ENSG00000165985	AACS	acetoacetyl	ENSG00000122313	4	0.108317	1.224544	0.088455
ENSG00000123155	CLCC1	chloride channel	ENSG00000137483	7	0.085308	0.964613	0.088437
ENSG000001580	BARD1	BRCA1 associated	ENSG00000118487	4	-0.11424	1.296466	-0.08811
ENSG00000126123	TCTN3	tectonic factor	ENSG00000118487	4	-0.11424	1.296466	-0.08811
ENSG00000164853	AIDA	axin interaction	ENSG00000131784	6	0.090508	1.027974	0.088045
ENSG00000154994	GID8	GID complex	ENSG00000131784	6	0.090508	1.027974	0.088045
ENSG0000017316	UBC	ubiquitin C	ENSG00000192649	8	0.04379	0.497455	0.088027
ENSG00000155250	ELP2	elongator	ENSG00000186361	8	-0.06418	0.729179	-0.08802
ENSG00000123066	CAND2	cullin associated	ENSG00000156569	4	0.074112	0.842056	0.088013
ENSG00000181856	ZNF611	zinc finger	ENSG00000122241	8	0.106235	1.210942	0.08773
ENSG00000155327	LIN7C	lin-7 homolog	ENSG00000160325	7	0.071735	0.818163	0.087678



ENSG0000018804	CREG1	cellular re	ENSG000001584388	-0.07398	0.845942	-0.08746
ENSG00000126112	CCDC69	coiled-coil	ENSG000001271.2216	-0.04935	0.564505	-0.08742
ENSG000001583	BBS2	Bardet-Bie	ENSG00000160.39684	0.071814	0.821756	0.087391
ENSG00000157456	KIAA1143	KIAA1143	ENSG00000158.48626	0.072038	0.824931	0.087327
ENSG000001130535	KCTD18	potassium	ENSG00000116.47006	-0.11887	1.36153	-0.08731
ENSG00000130844	EHD4	EH domain	ENSG00000185.19412	0.063791	0.730718	0.0873
ENSG00000179590	MRPL24	mitochond	ENSG00000137.52269	0.084139	0.964813	0.087208
ENSG00000110982	MAPRE2	microtubul	ENSG000001186.3731	0.054899	0.62993	0.087152
ENSG0000018520	HAT1	histone ac	ENSG00000132.50265	-0.08921	1.02383	-0.08713
ENSG00000126301	GBGT1	globoside	ENSG0000018.400336	-0.15967	1.832674	-0.08712
ENSG0000016929	TCF3	transcripti	ENSG0000018.400336	-0.15967	1.832674	-0.08712
ENSG00000110782	ZNF274	zinc finger	ENSG00000130.52419	-0.09141	1.049845	-0.08707
ENSG00000157498	KIDINS220	kinase D in	ENSG000001199.6437	-0.0518	0.596063	-0.0869
ENSG00000155105	GPATCH2	G-patch do	ENSG00000124.5335	-0.09995	1.152971	-0.08669
ENSG00000180264	ZNF430	zinc finger	ENSG00000114.71014	0.124032	1.431956	0.086617
ENSG0000016744	ITPRID2	ITPR intera	ENSG000001144.0783	-0.05819	0.672026	-0.08659
ENSG00000110239	AP3S2	adaptor rel	ENSG00000131.83998	0.090389	1.045836	0.086428
ENSG0000019922	IQSEC1	IQ motif ar	ENSG000001110.266	-0.05948	0.689213	-0.0863
ENSG00000184795	PYROXD2	pyridine n	ENSG00000110.41777	-0.14352	1.663518	-0.08628
ENSG0000011119	CHKA	choline kin	ENSG00000110.41777	-0.14352	1.663518	-0.08628
ENSG00000154812	AFTPH	aftiphilin	ENSG00000112.4352	-0.13264	1.537981	-0.08624
ENSG00000155617	TASP1	taspase 1	ENSG00000112.4352	-0.13264	1.537981	-0.08624
ENSG00000179133	NDUFAF5	NADH:ubic	ENSG00000120.48229	-0.10654	1.235778	-0.08621
ENSG00000110389	SCML2	Scm polyc	ENSG0000014.34285	-0.2183	2.539322	-0.08597
ENSG00000111186	RASSF1	Ras associa	ENSG00000114.74911	0.121525	1.414201	0.085932
ENSG0000011998	ELF2	E74 like ET	ENSG00000180.35025	-0.06729	0.785047	-0.08571
ENSG00000127300	ZNF544	zinc finger	ENSG00000136.49226	-0.08349	0.979355	-0.08525
ENSG000001121274	ZNF641	zinc finger	ENSG00000150.41313	-0.07478	0.878881	-0.08508
ENSG0000017866	IFRD2	interferon	ENSG00000118.46486	-0.1098	1.291316	-0.08503
ENSG00000123220	DTX4	deltex E3 u	ENSG0000013.496827	0.232889	2.741273	0.084956
ENSG0000012526	FUT4	fucosyltrar	ENSG0000013.496827	0.232889	2.741273	0.084956
ENSG00000179102	RNF26	ring finger	ENSG0000016.343933	-0.18079	2.129356	-0.0849
ENSG000001129531	MITD1	microtubul	ENSG00000112.89385	0.129688	1.527617	0.084895
ENSG00000183987	CCDC8	coiled-coil	ENSG00000122.35874	0.100828	1.190302	0.084708
ENSG00000151538	ZCCHC17	zinc finger	ENSG00000134.55278	-0.08651	1.021451	-0.08469
ENSG00000156941	HMCES	5-hydroxyr	ENSG00000134.55278	-0.08651	1.021451	-0.08469
ENSG000001100129405	MSTO2P	misato far	ENSG0000014.303877	-0.21095	2.492722	-0.08463
ENSG00000179943	ZNF696	zinc finger	ENSG0000014.303877	-0.21095	2.492722	-0.08463
ENSG00000179177	ZNF576	zinc finger	ENSG0000014.303877	-0.21095	2.492722	-0.08463
ENSG000001128854	TSPY26P	testis speci	ENSG0000014.303877	-0.21095	2.492722	-0.08463
ENSG0000011501	CTNND2	catenin del	ENSG0000019.443708	-0.39894	4.715749	-0.0846
ENSG000001151050	KANSL1L	KAT8 regul	ENSG00000144.42244	-0.07742	0.91617	-0.08451
ENSG00000180321	CEP70	centrosom	ENSG00000122.4771	-0.10023	1.188727	-0.08432
ENSG00000126235	FBXL4	F-box and	ENSG00000156.4139	-0.07045	0.836133	-0.08426
ENSG00000179607	FAM118B	family with	ENSG00000120.44816	0.103403	1.229576	0.084096
ENSG00000185453	TSPYL5	TSPY like 5	ENSG00000138.43175	-0.08084	0.963396	-0.08391
ENSG00000156984	PSMG2	proteasom	ENSG00000116.64334	0.113079	1.347709	0.083904

ENSG00000129781	NCAPH2	non-SMC c	ENSG000001164743	-0.11385	1.357218	-0.08389
ENSG000001100505635	LOC100505635	uncharacte	ENSG0000015267866	0.219447	2.616319	0.083876
ENSG0000015289	PIK3C3	phosphatic	ENSG000001483957	-0.07474	0.891134	-0.08387
ENSG00000111180	WDR6	WD repeat	ENSG0000016038337	-0.07215	0.860547	-0.08384
ENSG000001865	CBFB	core-bindir	ENSG0000013947852	0.079255	0.945826	0.083795
ENSG0000011964	EIF1AX	eukaryotic	ENSG000001743181	-0.06392	0.764534	-0.08361
ENSG000001116843	SLC18B1	solute carr	ENSG0000017201073	0.166955	1.998957	0.083521
ENSG00000179696	ZC2HC1C	zinc finger	ENSG0000017240046	0.162158	1.941566	0.083519
ENSG000001634	CEACAM1	carcinoeml	ENSG0000017240046	0.162158	1.941566	0.083519
ENSG00000194056	SYAP1	synapse as	ENSG0000014521654	0.075304	0.902616	0.083429
ENSG00000122820	COPG1	coatomer ç	ENSG0000011024823	0.057854	0.693789	0.083388
ENSG000001376132	LRRC10	leucine ricl	ENSG0000012804144	0.090126	1.082269	0.083275
ENSG0000017693	ZNF134	zinc finger	ENSG0000014048187	-0.079	0.948845	-0.08326
ENSG000001148741	ANKRD35	ankyrin reç	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG0000018490	RGS5	regulator c	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG000001200539	ANKRD23	ankyrin reç	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG00000184303	CHCHD6	coiled-coil-	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG000001179967			ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG000001337876	CHSY3	chondroitir	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG00000184885	ZDHHC12	zinc finger	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG00000110557	RPP38	ribonuclea	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG000001582	BBS1	Bardet-Bie	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG00000127239	GPR162	G protein-ç	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG000001728568	C12orf73	chromosor	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG0000010240925			ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG0000011511	CTSG	cathepsin (	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG000001101928784	RORA-AS1	RORA antis	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG0000019284	NPIPA1	nuclear po	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG0000010279476			ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG0000018741	TNFSF13	TNF superf	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG0000016458	SH3GL1P1	SH3 domai	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG0000010267745			ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG00000185302	FBF1	Fas binding	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG00000179716	NPEPL1	aminopept	ENSG0000012224849	-0.28305	3.401329	-0.08322
ENSG00000110808	HSPH1	heat shock	ENSG0000015283245	0.070801	0.851395	0.083158
ENSG0000010236397			ENSG0000015368436	0.185395	2.22968	0.083149
ENSG0000015153	PDE1B	phosphodi	ENSG0000015368436	0.185395	2.22968	0.083149
ENSG00000181889	FAHD1	fumarylac	ENSG0000011102224	0.135902	1.634551	0.083143
ENSG0000019201	DCLK1	doublecort	ENSG0000014439981	-0.07571	0.911641	-0.08305
ENSG0000019425	CDYL	chromodor	ENSG0000013242471	-0.08649	1.04329	-0.0829
ENSG0000012983	GUCY1B1	guanylate (	ENSG0000014523289	0.075979	0.916998	0.082856
ENSG0000015609	MAP2K7	mitogen-a	ENSG0000011443	-0.11903	1.437234	-0.08282
ENSG000001541468	LURAP1	leucine ricl	ENSG00000135358	0.224918	2.717208	0.082775
ENSG000001257068	PLCXD2	phosphatic	ENSG00000135358	0.224918	2.717208	0.082775
ENSG000001115330	GPR146	G protein-ç	ENSG00000135358	0.224918	2.717208	0.082775
ENSG00000192092	ZC3HAV1L	zinc finger	ENSG00000135358	0.224918	2.717208	0.082775
ENSG000001100422558	SMG1P6	SMG1 pset	ENSG00000135358	0.224918	2.717208	0.082775

ENSG000001232928		ENSG00000135358	3.5358	0.224918	2.717208	0.082775
ENSG00000192017	SNX29	sorting nexin	ENSG0000013646964	-0.08135	0.983884	-0.08268
ENSG000001164	AP1G1	adaptor re	ENSG0000019613018	-0.05987	0.724243	-0.08267
ENSG00000184328	LZIC	leucine zip	ENSG0000012993568	0.087534	1.058904	0.082665
ENSG00000179707	NOL9	nucleolar p	ENSG0000013756794	0.079746	0.965785	0.082571
ENSG000001127733	UBXN10	UBX domai	ENSG000001717217	0.196142	2.377165	0.082511
ENSG0000011316	KLF6	Kruppel lik	ENSG0000019016211	-0.06101	0.740073	-0.08244
ENSG000001114885	OSBPL11	oxysterol b	ENSG0000013951749	0.078122	0.949021	0.082319
ENSG0000017752	ZNF200	zinc finger	ENSG000001636028	-0.1728	2.09918	-0.08232
ENSG0000018140	SLC7A5	solute carr	ENSG000001636028	-0.1728	2.09918	-0.08232
ENSG00000151406	NOL7	nucleolar p	ENSG0000012618618	0.091604	1.113125	0.082294
ENSG00000155037	PTCD3	pentatricoi	ENSG0000011260849	-0.05544	0.675486	-0.08208
ENSG0000014008	LMO7	LIM domai	ENSG0000014142692	-0.0458	0.55906	-0.08192
ENSG00000179646	PANK3	pantotheni	ENSG0000019812877	-0.05768	0.704378	-0.08188
ENSG00000163875	MRPL17	mitochond	ENSG0000012238137	0.096955	1.184212	0.081873
ENSG0000019410	SNRNP40	small nucle	ENSG0000012997465	0.086124	1.052062	0.081862
ENSG000001494115	RBMXL1	RBMX like	ENSG0000012997465	0.086124	1.052062	0.081862
ENSG000001339324	ZNF260	zinc finger	ENSG0000012844517	-0.08818	1.079458	-0.08169
ENSG000001728411	GUSBP1	glucuronid	ENSG0000018377711	-0.14955	1.841442	-0.08121
ENSG00000159348	ZNF350	zinc finger	ENSG0000011477173	0.115487	1.423821	0.08111
ENSG00000155180	LINS1	lines homo	ENSG0000011100589	0.130787	1.614141	0.081026
ENSG00000123294	ANKS1A	ankyrin re	ENSG0000018811577	-0.05898	0.728411	-0.08098
ENSG00000155370	PPP4R1L	protein ph	ENSG0000011096692	0.134277	1.658253	0.080975
ENSG0000016383	SDC2	syndecan 2	ENSG0000014906661	0.070759	0.8739	0.080969
ENSG0000017750	ZMYM2	zinc finger	ENSG0000011358314	-0.05237	0.647361	-0.0809
ENSG0000015576	PRKAR2A	protein kin	ENSG0000011219948	-0.0543	0.671571	-0.08086
ENSG000001590	BCHE	butyrylcho	ENSG0000015329464	0.192883	2.390221	0.080697
ENSG00000155357	TBC1D2	TBC1 dom	ENSG0000015329464	0.192883	2.390221	0.080697
ENSG00000123338	JADE2	jade family	ENSG000001483668	-0.07101	0.881943	-0.08051
ENSG00000155813	UTP6	UTP6, sma	ENSG0000013043997	-0.08481	1.054015	-0.08047
ENSG00000183451	ABHD11	abhydrolas	ENSG0000017279018	0.157742	1.961698	0.080411
ENSG00000157095	PITHD1	PITH doma	ENSG000001280251	0.088757	1.10691	0.080184
ENSG0000013482	IGF2R	insulin like	ENSG0000013778397	-0.04316	0.538577	-0.08014
ENSG0000017741	ZSCAN26	zinc finger	ENSG0000011650275	-0.11406	1.427201	-0.07992
ENSG000001780	DDR1	discoidin d	ENSG0000011861552	0.102367	1.282446	0.079821
ENSG00000191801	ALKBH8	alkB homo	ENSG000001123736	-0.12305	1.544544	-0.07967
ENSG00000122930	RAB3GAP1	RAB3 GTPa	ENSG0000011079859	-0.05461	0.686331	-0.07957
ENSG00000123057	NMNAT2	nicotinami	ENSG0000012263822	-0.2991	3.763133	-0.07948
ENSG0000010257512			ENSG0000012263822	-0.2991	3.763133	-0.07948
ENSG000001107984875	LOC107984	uncharacte	ENSG0000012263822	-0.2991	3.763133	-0.07948
ENSG000001768206	PRCD	photorece	ENSG0000012263822	-0.2991	3.763133	-0.07948
ENSG00000110726	NUDC	nuclear dis	ENSG0000015832448	-0.06599	0.831072	-0.0794
ENSG00000185395	FAM207A	family with	ENSG0000011104486	0.127725	1.609269	0.079369
ENSG0000018287	USP9Y	ubiquitin s	ENSG0000011198812	0.052906	0.667885	0.079215
ENSG0000011854	DUT	deoxyuridi	ENSG0000012050976	0.097271	1.227974	0.079213
ENSG00000122919	MAPRE1	microtubul	ENSG0000016437638	0.063031	0.79687	0.079098
ENSG0000016917	TCEA1	transcripti	ENSG0000014908924	0.069131	0.874014	0.079096

ENSG00000179918	SETD6	SET domain	ENSG00000166597	0.107891	1.364362	0.079078
ENSG000001375790	AGRN	agrin	ENSG000001035617	-0.13212	1.670989	-0.07907
ENSG00000154980	C2orf42	chromosom	ENSG0000018338738	-0.14559	1.841464	-0.07906
ENSG0000015395	PMS2	PMS1 hom	ENSG0000018338738	-0.14559	1.841464	-0.07906
ENSG00000151368	TEX264	testis expr	ENSG000001863187	0.104666	1.325782	0.078947
ENSG0000018669	EIF3J	eukaryotic	ENSG0000015435122	-0.06748	0.855134	-0.07891
ENSG0000019138	ARHGEF1	Rho guanir	ENSG000001303683	-0.08561	1.089456	-0.07858
ENSG0000018774	NAPG	NSF attach	ENSG0000015037795	-0.06921	0.883585	-0.07833
ENSG00000181617	CAB39L	calcium bir	ENSG0000014034233	-0.07374	0.941494	-0.07832
ENSG0000019552	SPAG7	sperm assc	ENSG0000016818786	-0.06134	0.783972	-0.07824
ENSG0000018562	DENR	density reg	ENSG0000013766851	0.075221	0.962841	0.078124
ENSG0000013613	IMPA2	inositol mc	ENSG0000012624778	0.086792	1.114083	0.077905
ENSG00000127148	STK36	serine/thre	ENSG0000011484968	0.110582	1.422041	0.077763
ENSG0000018636	SSNA1	SS nuclear	ENSG000001129391	0.115787	1.49786	0.077302
ENSG00000128998	MRPL13	mitochond	ENSG000001186545	0.100233	1.299347	0.077141
ENSG000001148932	MOB3C	MOB kinas	ENSG0000012619246	0.086689	1.123899	0.077132
ENSG0000018890	EIF2B4	eukaryotic	ENSG0000011674391	0.103365	1.340536	0.077107
ENSG0000011022	CDK7	cyclin depe	ENSG0000019173253	0.134597	1.746334	0.077074
ENSG000001150275	CCDC117	coiled-coil	ENSG0000012437133	-0.08841	1.148649	-0.07697
ENSG00000123087	TRIM35	tripartite n	ENSG000001143684	-0.11073	1.439347	-0.07693
ENSG0000019144	SYNGR2	synaptogyr	ENSG0000014721763	0.068193	0.886613	0.076914
ENSG000001255167	LINC01018	long interg	ENSG0000014264905	-0.20244	2.639353	-0.0767
ENSG0000015445	PON2	paraoxona	ENSG0000013196946	0.078644	1.025636	0.076678
ENSG00000122915	MMRN1	multimerir	ENSG0000015719361	-0.255	3.325885	-0.07667
ENSG000001157680	VPS13B	vacuolar pr	ENSG0000011137817	-0.05211	0.680872	-0.07653
ENSG000001284323	ZNF780A	zinc finger	ENSG0000011838064	-0.09879	1.294674	-0.07631
ENSG000001100652772	NNT-AS1	NNT antise	ENSG0000016056908	0.068116	0.894639	0.076138
ENSG00000123270	TSPYL4	TSPY like 4	ENSG0000014442623	-0.0722	0.95116	-0.0759
ENSG00000110459	MAD2L2	mitotic arr	ENSG0000017262671	0.149405	1.970988	0.075802
ENSG00000157650	CIP2A	cell prolife	ENSG0000014281252	-0.19096	2.524923	-0.07563
ENSG00000180324	PUS1	pseudouric	ENSG0000014281252	-0.19096	2.524923	-0.07563
ENSG000001113235	SLC46A1	solute carr	ENSG0000014281252	-0.19096	2.524923	-0.07563
ENSG000001339344	MYPOP	Myb relate	ENSG0000014281252	-0.19096	2.524923	-0.07563
ENSG0000011290	COL5A2	collagen ty	ENSG0000016257644	0.062131	0.821581	0.075624
ENSG000001283464	GXYLT1	glucoside x	ENSG0000012053238	0.093024	1.231304	0.075549
ENSG0000015062	PAK2	p21 (RAC1)	ENSG000001149477	-0.04775	0.632243	-0.07552
ENSG00000151634	RBMX2	RNA bindir	ENSG0000011483333	0.107006	1.417041	0.075513
ENSG00000164645	MFSD14A	major facili	ENSG0000013431266	-0.07555	1.002171	-0.07539
ENSG000001100652748	TIMM23B	translocase	ENSG0000011297807	0.113077	1.505662	0.075101
ENSG00000165123	INTS3	integrator	ENSG0000015300469	0.067345	0.897417	0.075043
ENSG00000184436	ZNF528	zinc finger	ENSG0000013230151	-0.07891	1.052391	-0.07498
ENSG00000184766	CRACR2A	calcium rel	ENSG0000011486603	0.113036	1.507684	0.074973
ENSG000001153642	ARSK	arylsulfata	ENSG0000017301644	0.144898	1.934182	0.074914
ENSG00000180764	THAP7	THAP dom	ENSG0000017301644	0.144898	1.934182	0.074914
ENSG0000014595	MUTYH	mutY DNA	ENSG0000016282335	-0.16198	2.165646	-0.0748
ENSG00000164101	LRRC4	leucine ric	ENSG0000016282335	-0.16198	2.165646	-0.0748
ENSG0000017587	ZNF37A	zinc finger	ENSG0000014821091	-0.06707	0.898586	-0.07464

ENSG000001201514	ZNF584	zinc finger	ENSG0000011432943	-0.10818	1.453271	-0.07444
ENSG0000012937	GSS	glutathione	ENSG0000012037544	-0.09262	1.244867	-0.0744
ENSG00000155194	EVA1B	eva-1 hom	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010272145			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010251520			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG00000153833	IL20RB	interleukin	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG00000127146	FAM184B	family with	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001105379054	VCAN-AS1	VCAN antis	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001116842	LEAP2	liver enrich	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001441150	C6orf226	chromosom	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001729597	SPDYE6	speedy/RIN	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000018840	WISP1	WNT1 indu	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010270427			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG00000192211	CDHR1	cadherin re	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001401647	GOLGA7B	golgin A7 f	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001116969	ART5	ADP-ribosy	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010179038			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001160140	C11orf65	chromosom	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010255776			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010224650			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001869	CBLN1	cerebellin	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001101927863	LOC101927	uncharacter	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010276728			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010267560			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000010269066			ENSG0000011686816	0.309054	4.156942	0.074346
ENSG00000157126	CD177	CD177 mol	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001100270804	LOC100270	uncharacter	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG000001102724159	LOC102724	periodic tr	ENSG0000011686816	0.309054	4.156942	0.074346
ENSG0000017050	TGIF1	TGFB induc	ENSG0000011106749	0.119435	1.606845	0.074329
ENSG0000013156	HMGCR	3-hydroxy-	ENSG0000012057136	0.091163	1.227058	0.074294
ENSG00000110608	MXD4	MAX dime	ENSG0000012631082	-0.0843	1.136172	-0.0742
ENSG000001139596	UPRT	uracil phos	ENSG000001148723	0.104591	1.409978	0.074179
ENSG00000165996	CENPBD1P	CENPB DN	ENSG0000018355086	-0.1397	1.883667	-0.07416
ENSG00000155278	QRSL1	QRSL1, glu	ENSG0000013039472	-0.0797	1.074691	-0.07416
ENSG00000125970	SH2B1	SH2B adap	ENSG0000013009785	0.077745	1.050111	0.074035
ENSG00000155667	DENND4C	DENN dom	ENSG000001114.201	0.050615	0.684064	0.073991
ENSG0000019567	GTPBP1	GTP bindin	ENSG0000015872258	0.061059	0.82615	0.073908
ENSG0000012107	ETF1	eukaryotic	ENSG000001121.7258	-0.0496	0.671517	-0.07386
ENSG000001222658	KCTD20	potassium	ENSG00000181.75889	0.054657	0.741063	0.073755
ENSG0000019270	ITGB1BP1	integrin su	ENSG00000134.27369	-0.07428	1.008526	-0.07365
ENSG00000184315	MON1A	MON1 hon	ENSG0000016.298683	-0.15414	2.097026	-0.0735
ENSG00000185014	TMEM141	transmembr	ENSG0000016.298683	-0.15414	2.097026	-0.0735
ENSG00000184334	APOPT1	apoptogen	ENSG0000018.316113	-0.13535	1.841583	-0.0735
ENSG0000016307	MSMO1	methylster	ENSG0000019.212226	0.130743	1.781429	0.073392
ENSG000001645843	TMEM141E	transmembr	ENSG0000015.430034	0.162123	2.213666	0.073237
ENSG000001151963	MB21D2	Mab-21 do	ENSG0000015.430034	0.162123	2.213666	0.073237
ENSG00000157717	PCDHB16	protocadhe	ENSG0000015.430034	0.162123	2.213666	0.073237

ENSG0000I	ENSG0000I	388121	TNFAIP8L3	TNF alpha	ENSG0000I	5.430034	0.162123	2.213666	0.073237
ENSG0000I	ENSG0000I	25799	ZNF324	zinc finger	ENSG0000I	5.430034	0.162123	2.213666	0.073237
ENSG0000I	ENSG0000I	343990	KIAA1211L	KIAA1211	ENSG0000I	6.337655	-0.16027	2.188531	-0.07323
ENSG0000I	ENSG0000I	2593	GAMT	guanidino	ENSG0000I	16.76654	0.098065	1.339165	0.073228
ENSG0000I	ENSG0000I	90529	STPG1	sperm tail	ENSG0000I	3.558425	0.196986	2.694818	0.073098
ENSG0000I	ENSG0000I	79169	C1orf35	chromosom	ENSG0000I	3.558425	0.196986	2.694818	0.073098
ENSG0000I	ENSG0000I	80333	KCNIP4	potassium	ENSG0000I	3.558425	0.196986	2.694818	0.073098
ENSG0000I	ENSG0000I	105379049	LOC105379	uncharacter	ENSG0000I	3.558425	0.196986	2.694818	0.073098
ENSG0000I	ENSG0000I	203259	FAM219A	family with	ENSG0000I	37.76908	0.070692	0.967534	0.073064
ENSG0000I	ENSG000000237188				ENSG0000I	4.24228	-0.18379	2.515539	-0.07306
ENSG0000I	ENSG000000271811				ENSG0000I	4.24228	-0.18379	2.515539	-0.07306
ENSG0000I	ENSG0000I	678655	CD27-AS1	CD27 antis	ENSG0000I	4.24228	-0.18379	2.515539	-0.07306
ENSG0000I	ENSG0000I	97	ACYP1	acylphosph	ENSG0000I	4.24228	-0.18379	2.515539	-0.07306
ENSG0000I	ENSG000000263272				ENSG0000I	4.24228	-0.18379	2.515539	-0.07306
ENSG0000I	ENSG0000I	7105	TSPAN6	tetraspanin	ENSG0000I	4.24228	-0.18379	2.515539	-0.07306
ENSG0000I	ENSG0000I	60686	C14orf93	chromosom	ENSG0000I	5.391062	0.168534	2.30939	0.072978
ENSG0000I	ENSG0000I	92140	MTDH	metadherin	ENSG0000I	123.5873	-0.04812	0.661377	-0.07276
ENSG0000I	ENSG0000I	1209	CLPTM1	CLPTM1, tr	ENSG0000I	56.12853	-0.06082	0.837172	-0.07265
ENSG0000I	ENSG0000I	4772	NFATC1	nuclear fac	ENSG0000I	14.34578	-0.1049	1.445433	-0.07257
ENSG0000I	ENSG0000I	57703	CWC22	CWC22 spl	ENSG0000I	22.50456	0.085757	1.18416	0.07242
ENSG0000I	ENSG0000I	4848	CNOT2	CCR4-NOT	ENSG0000I	66.32214	0.059022	0.815225	0.0724
ENSG0000I	ENSG0000I	113510	HELQ	helicase, P	ENSG0000I	18.66077	0.092947	1.285003	0.072332
ENSG0000I	ENSG0000I	252969	NEIL2	nei like DN	ENSG0000I	18.35801	-0.09432	1.304587	-0.0723
ENSG0000I	ENSG0000I	286053	NSMCE2	NSE2 (MM	ENSG0000I	18.35801	-0.09432	1.304587	-0.0723
ENSG0000I	ENSG0000I	5354	PLP1	proteolipid	ENSG0000I	18.35801	-0.09432	1.304587	-0.0723
ENSG0000I	ENSG0000I	79892	MCMBP	minichrom	ENSG0000I	66.03717	-0.05884	0.814342	-0.07225
ENSG0000I	ENSG0000I	57187	THOC2	THO compl	ENSG0000I	62.62796	0.058085	0.804009	0.072244
ENSG0000I	ENSG0000I	23142	DCUN1D4	defective in	ENSG0000I	43.47441	0.066062	0.914924	0.072205
ENSG0000I	ENSG0000I	1398	CRK	CRK proto-	ENSG0000I	66.45541	0.056948	0.788713	0.072204
ENSG0000I	ENSG0000I	55258	THNSL2	threonine s	ENSG0000I	20.61033	0.089264	1.236504	0.07219
ENSG0000I	ENSG0000I	9114	ATP6V0D1	ATPase H+	ENSG0000I	42.19759	-0.06699	0.932129	-0.07187
ENSG0000I	ENSG0000I	5306	PITPNA	phosphatic	ENSG0000I	75.96594	-0.05444	0.757653	-0.07185
ENSG0000I	ENSG0000I	11102	RPP14	ribonuclea	ENSG0000I	38.22433	-0.06924	0.964526	-0.07179
ENSG0000I	ENSG0000I	9616	RNF7	ring finger	ENSG0000I	33.96426	0.071997	1.00414	0.0717
ENSG0000I	ENSG0000I	9678	PHF14	PHD finger	ENSG0000I	33.96426	0.071997	1.00414	0.0717
ENSG0000I	ENSG0000I	64222	TOR3A	torsin fami	ENSG0000I	16.80551	0.095883	1.340964	0.071503
ENSG0000I	ENSG0000I	7621	ZNF70	zinc finger	ENSG0000I	18.31904	-0.09223	1.295236	-0.07121
ENSG0000I	ENSG0000I	2134	EXTL1	exostosin	ENSG0000I	7.340616	0.140314	1.971725	0.071163
ENSG0000I	ENSG0000I	105372482	LOC105372	uncharacter	ENSG0000I	7.340616	0.140314	1.971725	0.071163
ENSG0000I	ENSG0000I	29880	ALG5	ALG5, dolich	ENSG0000I	9.156905	0.12869	1.808565	0.071156
ENSG0000I	ENSG0000I	10717	AP4B1	adaptor rel	ENSG0000I	9.195878	0.124524	1.750087	0.071153
ENSG0000I	ENSG000000214425				ENSG0000I	6.25971	-0.14907	2.103846	-0.07086
ENSG0000I	ENSG0000I	400986	ANKRD36C	ankyrin re	ENSG0000I	34.26741	-0.07093	1.004264	-0.07063
ENSG0000I	ENSG0000I	11234	HPS5	HPS5, biog	ENSG0000I	24.32608	-0.08175	1.15777	-0.07061
ENSG0000I	ENSG0000I	51429	SNX9	sorting nex	ENSG0000I	81.92773	-0.05252	0.745024	-0.0705
ENSG0000I	ENSG0000I	9296	ATP6V1F	ATPase H+	ENSG0000I	14.85596	0.10117	1.436354	0.070435
ENSG0000I	ENSG0000I	54680	ZNHIT6	zinc finger	ENSG0000I	22.48821	0.08367	1.189118	0.070363

ENSG00000151133	KCTD3	potassium	ENSG00000142.17497	-0.06516	0.927909	-0.07023
ENSG00000154487	DGCR8	DGCR8, mi	ENSG00000116.28526	-0.09687	1.380712	-0.07016
ENSG0000015818	NECTIN1	nectin cell	ENSG00000130.15945	0.073572	1.049696	0.070089
ENSG00000122989	MYH15	myosin he	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG000001280388			ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG000001223678			ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG00000179176	FBXL15	F-box and l	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG00000165012	SLC26A10	solute carr	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG000001100287559	ADPGK-AS	ADPGK ant	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG000001101927009	LINC02177	long interg	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG000001283849	EXOC3L1	exocyst co	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG000001265519			ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG00000151326	ARL17A	ADP ribosy	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG000001360200	TMPRSS9	transmeml	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG000001284390	ZNF763	zinc finger	ENSG0000012.202224	-0.24432	3.486121	-0.07008
ENSG00000184919	PPP1R15B	protein ph	ENSG00000185.59889	0.051772	0.738891	0.070067
ENSG0000017770	ZNF227	zinc finger	ENSG00000116.34058	-0.09644	1.376459	-0.07007
ENSG0000019648	GCC2	GRIP and c	ENSG00000183.79267	0.05177	0.740883	0.069876
ENSG00000155884	WSB2	WD repeat	ENSG00000185.70953	0.050932	0.731317	0.069645
ENSG000001223356			ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG000001338382	RAB7B	RAB7B, me	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG00000180705	TSGA10	testis speci	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG000001233654			ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG00000158538	MPP4	membrane	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG0000012825	GPR1	G protein-c	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG000001101929071	LINC01182	long interg	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG000001213891			ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG000001222611	ADGRF2	adhesion G	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG000001272008			ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG00000122844	FRMPD1	FERM and l	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG000001387646	LRR37A6f	leucine ric	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG000001105988			ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG0000014168	MCF2	MCF.2 cell	ENSG0000011.725788	0.288486	4.143634	0.069621
ENSG00000180255	SLC35F5	solute carr	ENSG00000176.10509	0.052599	0.755688	0.069604
ENSG00000151504	TRMT112	tRNA meth	ENSG00000126.23771	0.08063	1.159098	0.069563
ENSG0000014528	MTIF2	mitochond	ENSG00000162.72226	0.056853	0.81824	0.069482
ENSG000001227775			ENSG0000015.469007	0.156353	2.25371	0.069376
ENSG0000013383	ICAM1	intercellul	ENSG00000128.17092	0.076907	1.111782	0.069175
ENSG00000184460	ZMAT1	zinc finger	ENSG00000118.73872	0.088896	1.285234	0.069167
ENSG00000151304	ZDHHC3	zinc finger	ENSG00000162.01238	-0.0559	0.808534	-0.06914
ENSG00000154916	TMEM260	transmeml	ENSG00000112.28938	-0.10658	1.542047	-0.06912
ENSG0000019400	RECQL5	RecQ like h	ENSG00000112.28938	-0.10658	1.542047	-0.06912
ENSG0000012899	GRIK3	glutamate	ENSG0000013.597398	0.188875	2.737148	0.069004
ENSG000001157777	MCMD2C2	minichrom	ENSG0000013.597398	0.188875	2.737148	0.069004
ENSG000001100506394	GAS6-DT	GAS6 diver	ENSG0000013.597398	0.188875	2.737148	0.069004
ENSG0000019459	ARHGEF6	Rac/Cdc42	ENSG000001108.7358	0.047093	0.682779	0.068973
ENSG00000154778	RNF111	ring finger	ENSG00000147.36345	0.061156	0.886695	0.06897

ENSG0000010445	MCRS1	microspher	ENSG00000155245	55.01833	0.058	0.842245	0.068863
ENSG0000019650	MTFR1	mitochond	ENSG00000155245	20.25853	-0.08679	1.264339	-0.06865
ENSG00000155245	UQCC1	ubiquinol-c	ENSG0000019331	93.91291	-0.05112	0.747326	-0.0684
ENSG0000019331	B4GALT6	beta-1,4-ga	ENSG00000110472	11.14543	0.112874	1.652159	0.068319
ENSG00000110472	ZBTB18	zinc finger	ENSG00000179944	60.8343	0.055389	0.815041	0.067959
ENSG00000179944	L2HGDH	L-2-hydrox	ENSG000001153339	18.33539	-0.08996	1.323848	-0.06795
ENSG000001153339	TMEM167	transmembr	ENSG0000018702	89.59857	0.048959	0.721945	0.067815
ENSG0000018702	B4GALT4	beta-1,4-ga	ENSG00000179649	16.82814	0.090621	1.336382	0.067811
ENSG00000179649	MAP7D3	MAP7 dom	ENSG00000110172	32.07631	0.069504	1.027847	0.067621
ENSG00000110172	ZNF256	zinc finger	ENSG0000015190	11.12909	0.108178	1.601505	0.067548
ENSG0000015190	PEX6	peroxisom	ENSG00000155346	30.18207	0.070785	1.049845	0.067425
ENSG00000155346	TCP11L1	t-complex	ENSG000001196740	18.72237	0.086247	1.280529	0.067353
ENSG000001196740	VSTM4	V-set and t	ENSG0000019804	60.76263	0.055334	0.821788	0.067333
ENSG0000019804	TOMM20	translocase	ENSG000001375287	150.9671	0.042556	0.632284	0.067305
ENSG000001375287	RBM43	RNA bindir	ENSG00000191298	10.27195	-0.1124	1.670356	-0.06729
ENSG00000191298	C12orf29	chromosom	ENSG0000011482	16.26264	-0.09186	1.366808	-0.06721
ENSG0000011482	NKX2-5	NK2 home	ENSG0000014928	34.20581	-0.06735	1.003804	-0.0671
ENSG0000014928	NUP98	nucleopor	ENSG00000151742	158.6446	0.041971	0.627135	0.066926
ENSG00000151742	ARID4B	AT-rich int	ENSG00000164318	64.62905	0.053556	0.800298	0.06692
ENSG00000164318	NOC3L	NOC3 like	ENSG00000154883	20.61661	0.082763	1.236889	0.066912
ENSG00000154883	CWC25	CWC25 spl	ENSG000001152579	20.61661	0.082763	1.236889	0.066912
ENSG000001152579	SCFD2	sec1 family	ENSG0000015412	14.28418	-0.09651	1.444904	-0.06679
ENSG0000015412	UBL3	ubiquitin li	ENSG0000016507	43.61395	0.061065	0.914659	0.066763
ENSG0000016507	SLC1A3	solute carr	ENSG00000154899	160.3892	0.043382	0.65011	0.066731
ENSG00000154899	PXK	PX domain	ENSG0000018685	26.3936	0.074007	1.1093	0.066715
ENSG0000018685	MARCO	macrophag	ENSG00000123014	14.35833	-0.11805	1.771014	-0.06666
ENSG00000123014	FBXO21	F-box prote	ENSG00000192344	85.79376	0.048583	0.730033	0.066549
ENSG00000192344	GORAB	golgin, RA	ENSG0000014299	12.98435	0.102267	1.5376	0.066511
ENSG0000014299	AFF1	AF4/FMR2	ENSG000001279191	315.2302	-0.03705	0.557778	-0.06642
ENSG000001279191			ENSG0000017464	2.163251	-0.2309	3.487558	-0.06621
ENSG0000017464	CORO2A	coronin 2A	ENSG000001100132594	2.163251	-0.2309	3.487558	-0.06621
ENSG000001100132594	PGAM1P5	phosphogl	ENSG000001274341	2.163251	-0.2309	3.487558	-0.06621
ENSG000001274341			ENSG00000190187	2.163251	-0.2309	3.487558	-0.06621
ENSG00000190187	EMILIN3	elastin mic	ENSG00000151701	2.163251	-0.2309	3.487558	-0.06621
ENSG00000151701	NLK	nemo like	ENSG00000179818	40.2292	-0.06424	0.971059	-0.06615
ENSG00000179818	ZNF552	zinc finger	ENSG00000179982	13.02332	0.099237	1.500744	0.066125
ENSG00000179982	DNAJB14	DnaJ heat s	ENSG00000110887	48.04246	-0.05885	0.890136	-0.06611
ENSG00000110887	PROKR1	prokinetici	ENSG00000160487	18.76134	0.084247	1.276397	0.066004
ENSG00000160487	TRMT11	tRNA meth	ENSG00000121	18.76134	0.084247	1.276397	0.066004
ENSG00000121	ABCA3	ATP bindin	ENSG0000019489	22.54981	0.078102	1.185311	0.065892
ENSG0000019489	PGS1	phosphatic	ENSG0000019486	22.54981	0.078102	1.185311	0.065892
ENSG0000019486	CHST10	carbohydr	ENSG0000014329	16.86711	0.088429	1.342309	0.065878
ENSG0000014329	ALDH6A1	aldehyde d	ENSG00000125800	107.4604	-0.0455	0.690722	-0.06587
ENSG00000125800	SLC39A6	solute carr	ENSG00000126610	24.44405	0.075837	1.153153	0.065765
ENSG00000126610	ELP4	elongator	ENSG000001224	8.254515	-0.12105	1.844272	-0.06563
ENSG000001224	ALDH3A2	aldehyde d	ENSG000001728577	73.93596	-0.05142	0.785294	-0.06547
ENSG000001728577	CNTNAP3B	contactin a	ENSG000001728577	6.276057	-0.141	2.162526	-0.0652



ENSG00000128999	KLF15	Kruppel like factor 15	45.35857	0.062841	0.964846	0.065131
ENSG00000180310	PDGFD	platelet derived growth factor D	41.5701	0.063587	0.977214	0.06507
ENSG00000151024	FIS1	fission, mitotic spindle	73.78634	-0.04978	0.766033	-0.06498
ENSG00000155206	SBNO1	strawberry nose 1	121.4505	-0.0443	0.681764	-0.06497
ENSG0000014258	MGST2	microsome gamma subunit 2	24.48302	0.074166	1.142536	0.064914
ENSG00000155000	TUG1	taurine up-regulated	81.6939	-0.04861	0.7489	-0.0649
ENSG0000013918	LAMC2	laminin subunit gamma 2	4.219654	-0.16329	2.52141	-0.06476
ENSG000001277007			ENSG0000014219654	-0.16329	2.52141	-0.06476
ENSG000001229320			ENSG0000014219654	-0.16329	2.52141	-0.06476
ENSG0000012784	GNB3	G protein subunit beta 3	4.219654	-0.16329	2.52141	-0.06476
ENSG00000184342	COG8	complement component C8	4.219654	-0.16329	2.52141	-0.06476
ENSG000001267385			ENSG0000014219654	-0.16329	2.52141	-0.06476
ENSG000001202058			ENSG0000014219654	-0.16329	2.52141	-0.06476
ENSG00000184545	MRPL43	mitochondrial ribosomal protein L43	13.06229	0.096554	1.493213	0.064662
ENSG00000154476	RNF216	ring finger protein 216	70.45129	0.05017	0.776484	0.064612
ENSG000001153643	FAM81B	family with sequence similarity 81B	9.055288	-0.31092	4.821299	-0.06449
ENSG0000011960	EGR3	early growth response 3	6.237085	-0.13529	2.098507	-0.06447
ENSG00000193129	ORAI3	ORAI calcium channel subunit 3	6.237085	-0.13529	2.098507	-0.06447
ENSG00000155663	ZNF446	zinc finger protein 446	6.237085	-0.13529	2.098507	-0.06447
ENSG00000155861	DBNDD2	dysbindin domain containing 2	6.237085	-0.13529	2.098507	-0.06447
ENSG0000011182	CLCN3	chloride voltage-gated channel 3	204.6766	-0.0403	0.6253	-0.06445
ENSG00000184678	KDM2B	lysine demethylase 2B	12.26675	-0.09969	1.547963	-0.0644
ENSG00000179672	FN3KRP	fructosaminidase 3	9.218503	0.114898	1.784686	0.06438
ENSG0000019140	ATG12	autophagy related 12	28.31046	0.069292	1.07789	0.064285
ENSG000001126068	ZNF441	zinc finger protein 441	14.95653	0.090219	1.407259	0.06411
ENSG0000011665	DHX15	DEAH-box protein 15	109.3773	-0.04436	0.69209	-0.06409
ENSG0000016396	SEC13	SEC13 homolog	44.04657	-0.05834	0.912316	-0.06395
ENSG00000126586	CKAP2	cytoskeletal associated protein 2	9.257476	0.110995	1.740918	0.063757
ENSG000001115939	TSR3	TSR3, acyl transferase	9.257476	0.110995	1.740918	0.063757
ENSG00000155257	MRGBP	MRG domain containing	9.257476	0.110995	1.740918	0.063757
ENSG0000019807	IP6K1	inositol hexakisphosphate kinase 1	42.05177	-0.05933	0.93107	-0.06372
ENSG00000191689	SMDT1	single-pass transmembrane domain 1	16.24001	-0.08672	1.363705	-0.06359
ENSG0000016602	SMARCD1	SWI/SNF related, corepressor 1	24.52199	0.072549	1.142183	0.063518
ENSG00000155739	NAXD	NAD(P)H oxidase domain	24.52199	0.072549	1.142183	0.063518
ENSG0000015863	RGL2	ral guanine nucleotide exchange factor 2	53.98163	-0.05375	0.849708	-0.06326
ENSG000001100506714	NUP50-DT	NUP50 domain	5.491632	0.139218	2.203367	0.063184
ENSG0000017137	TNNI3	troponin I3	853.4561	-0.03366	0.532812	-0.06317
ENSG00000183696	TRAPPC9	trafficking related protein 9	46.05773	-0.05678	0.900545	-0.06305
ENSG00000157103	TIGAR	TP53 induced glycolysis regulator	16.90608	0.086013	1.367137	0.062915
ENSG00000125920	NELFB	negative elongation factor B	22.62776	0.074621	1.186556	0.062889
ENSG0000018078	USP5	ubiquitin specific protease 5	55.19685	0.053054	0.843776	0.062877
ENSG000001260186			ENSG0000011028829	-0.10796	1.730074	-0.0624
ENSG000001155370	SBDSP1	SBDS, ribosome biogenesis	18.78397	0.079584	1.2769	0.062326
ENSG0000015029	P2RY2	purinergic receptor 2	14.9955	0.087823	1.410289	0.062273
ENSG0000013068	HDGF	heparin binding epidermal growth factor	182.0053	0.037721	0.606123	0.062234
ENSG0000012332	FMR1	fragile X mental retardation 1	57.05839	0.05198	0.836061	0.062172
ENSG00000155728	N4BP2	NEDD4 binding protein 2	30.28264	0.065256	1.049955	0.062151

ENSG0000011374	CPT1A	carnitine p	ENSG000001109091	0.04277	0.688771	0.062096
ENSG0000013981	LIG4	DNA ligase	ENSG0000012420289	-0.07172	1.154977	-0.0621
ENSG00000155031	USP47	ubiquitin s	ENSG0000011905118	-0.03785	0.612297	-0.06182
ENSG0000010236065			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010229052			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG00000191181	NUP210L	nucleopori	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG00000179957	PAQR6	progesterin a	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG000001100506134	TTC21B-AS	TTC21B an	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010224063			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010235978			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG00000127065	NSG1	neuronal v	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG000001285525	YIPF7	Yip1 doma	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010214671			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG000001100506495	LIFR-AS1	LIFR antise	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG00000164946	CENPH	centromer	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG000001153562	MARVELD2	MARVEL d	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010249593			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010247679			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG000001101928461	LOC101928	uncharacte	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000019865	TRIL	TLR4 intera	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010242588			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000012146	EZH2	enhancer c	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG000001158160	HSD17B7P	hydroxyste	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010214067			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010233340			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010245156			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010257953			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010257979			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010258424			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010279665			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010269951			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010279520			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG000001100861516	RAI1-AS1	RAI1 antise	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010236234			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000010265218			ENSG0000011748414	0.232247	3.757932	0.061802
ENSG00000191179	SCARF2	scavenger	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG00000129935	RPA4	replication	ENSG0000011748414	0.232247	3.757932	0.061802
ENSG0000015921	RASA1	RAS p21 pr	ENSG000001474703	0.055167	0.893652	0.061732
ENSG000001577	ADGRB3	adhesion G	ENSG0000019296449	0.107439	1.747296	0.061489
ENSG00000126022	TMEM98	transmembr	ENSG0000016198112	-0.13013	2.12379	-0.06127
ENSG0000015877	RABIF	RAB intera	ENSG0000014180682	-0.15604	2.548537	-0.06123
ENSG00000151072	MEMO1	mediator c	ENSG0000014180682	-0.15604	2.548537	-0.06123
ENSG0000010204685			ENSG0000014180682	-0.15604	2.548537	-0.06123
ENSG0000010256947			ENSG0000014180682	-0.15604	2.548537	-0.06123
ENSG000001388569	ZNF324B	zinc finger	ENSG0000014180682	-0.15604	2.548537	-0.06123
ENSG0000018887	TAX1BP1	Tax1 bindir	ENSG0000012143099	-0.03745	0.612277	-0.06117
ENSG00000110919	EHMT2	euchromat	ENSG0000012071718	0.074821	1.223484	0.061154

ENSG00000180212	CCDC92	coiled-coil	ENSG00000144.0403	-0.05586	0.916398	-0.06096
ENSG0000011677	DFFB	DNA fragm	ENSG0000013.620023	0.162075	2.665794	0.060798
ENSG00000156260	C8orf44	chromosom	ENSG0000013.620023	0.162075	2.665794	0.060798
ENSG0000015890	RAD51B	RAD51 par	ENSG0000013.620023	0.162075	2.665794	0.060798
ENSG0000014150	MAZ	MYC associ	ENSG0000013.620023	0.162075	2.665794	0.060798
ENSG00000183855	KLF16	Kruppel lik	ENSG0000013.620023	0.162075	2.665794	0.060798
ENSG00000127330	RPS6KA6	ribosomal	ENSG0000013.620023	0.162075	2.665794	0.060798
ENSG0000011805	DPT	dermatop	ENSG00000169.71251	-0.04754	0.782216	-0.06077
ENSG0000013182	HNRNPAB	heterogen	ENSG00000143.68183	0.055534	0.913939	0.060763
ENSG00000155298	RNF121	ring finger	ENSG00000113.04594	0.092581	1.523704	0.06076
ENSG00000155308	DDX19A	DEAD-box	ENSG00000111.19068	0.097007	1.598019	0.060705
ENSG000001285025	CCDC141	coiled-coil	ENSG000001309.2648	-0.03559	0.58686	-0.06064
ENSG0000011327	COX4I1	cytochrom	ENSG000001435.4148	-0.03256	0.537972	-0.06052
ENSG00000164759	TNS3	tensin 3	ENSG000001117.2207	-0.04066	0.67223	-0.06048
ENSG000001157567	ANKRD46	ankyrin re	ENSG00000126.15872	-0.06748	1.116182	-0.06046
ENSG00000155280	CWF19L1	CWF19 like	ENSG00000122.66673	0.072734	1.204542	0.060383
ENSG0000014684	NCAM1	neural cell	ENSG000001403.3158	0.032257	0.534975	0.060296
ENSG00000157037	ANKMY2	ankyrin re	ENSG00000130.32161	0.063831	1.05868	0.060293
ENSG00000155066	PDPR	pyruvate d	ENSG00000167.7177	-0.04778	0.792556	-0.06028
ENSG0000015528	PPP2R5D	protein ph	ENSG00000145.99613	-0.05409	0.899793	-0.06012
ENSG000001192111	PGAM5	PGAM fam	ENSG00000128.15352	-0.0653	1.087405	-0.06005
ENSG00000123170	TTL12	tubulin tyr	ENSG00000113.08492	0.089683	1.49428	0.060017
ENSG00000150486	G0S2	G0/G1 swi	ENSG00000120.74987	0.078472	1.307626	0.060011
ENSG000001100289635	ZNF605	zinc finger	ENSG00000132.08781	-0.06165	1.027755	-0.05998
ENSG0000015584	PRKCI	protein kin	ENSG00000137.96015	0.057554	0.960537	0.059919
ENSG00000180024	SLC8B1	solute carr	ENSG00000114.94018	0.087161	1.45628	0.059852
ENSG0000017529	YWHAB	tyrosine 3-	ENSG000001162.7863	0.037505	0.627114	0.059805
ENSG0000016487	ST3GAL3	ST3 beta-g	ENSG00000126.47783	0.066053	1.105893	0.059728
ENSG000001199857	ALG14	ALG14, UD	ENSG0000017.385867	0.115185	1.933644	0.059569
ENSG00000154970	TTC12	tetratricop	ENSG0000017.385867	0.115185	1.933644	0.059569
ENSG0000019091	PIGQ	phosphatic	ENSG0000017.385867	0.115185	1.933644	0.059569
ENSG00000154442	KCTD5	potassium	ENSG0000017.385867	0.115185	1.933644	0.059569
ENSG000001201191	SAMD14	sterile alph	ENSG0000017.385867	0.115185	1.933644	0.059569
ENSG00000154093	SETD4	SET domain	ENSG0000017.385867	0.115185	1.933644	0.059569
ENSG0000016314	ATXN7	ataxin 7	ENSG00000163.74444	-0.04798	0.806289	-0.05951
ENSG00000129080	CCDC59	coiled-coil	ENSG00000114.97915	0.084349	1.418221	0.059475
ENSG00000184865	CCDC142	coiled-coil	ENSG0000018.23189	-0.11069	1.866945	-0.05929
ENSG00000110423	CDIPT	CDP-diacyl	ENSG00000138.01547	0.057317	0.974275	0.058831
ENSG0000012222	FDFT1	farnesyl-di	ENSG00000172.39706	0.047021	0.801581	0.05866
ENSG00000180349	WDR61	WD repeat	ENSG00000120.66186	0.074908	1.279566	0.058542
ENSG0000013082	HGF	hepatocyte	ENSG00000112.968	0.101344	1.731345	0.058535
ENSG00000151043	ZBTB7B	zinc finger	ENSG00000132.10416	-0.06048	1.033509	-0.05852
ENSG00000100271976			ENSG0000015.530605	0.133048	2.275585	0.058468
ENSG00000151074	APIP	APAF1 inte	ENSG00000115.01812	0.081904	1.404146	0.05833
ENSG000001140612	ZFP28	ZFP28 zinc	ENSG00000115.01812	0.081904	1.404146	0.05833
ENSG000001348262	MCRIP1	MAPK regl	ENSG00000116.91236	0.078011	1.337747	0.058315
ENSG00000110948	STARD3	StAR relate	ENSG00000118.80659	0.075001	1.286632	0.058292

ENSG0000I	ENSG0000I	11017	SNRNP27	small nucle	ENSG0000I	13.12389	0.087019	1.492977	0.058285
ENSG0000I	ENSG0000I	29081	METTL5	methyltran	ENSG0000I	13.12389	0.087019	1.492977	0.058285
ENSG0000I	ENSG0000I	80853	KDM7A	lysine dem	ENSG0000I	83.48128	-0.04306	0.74086	-0.05812
ENSG0000I	ENSG0000I	151313	FAHD2B	fumarylac	ENSG0000I	11.22966	0.093861	1.617411	0.058031
ENSG0000I	ENSG0000I	8073	PTP4A2	protein tyr	ENSG0000I	230.3052	0.033603	0.579175	0.058018
ENSG0000I	ENSG0000I	27030	MLH3	mutL hom	ENSG0000I	51.30401	0.052084	0.899049	0.057932
ENSG0000I	ENSG0000I	3680	ITGA9	integrin su	ENSG0000I	211.0813	0.034857	0.602943	0.057811
ENSG0000I	ENSG0000I	26097	CHTOP	chromatin	ENSG0000I	59.13114	0.047305	0.819837	0.0577
ENSG0000I	ENSG0000I	23285	KIAA1107	KIAA1107	ENSG0000I	8.192917	-0.10661	1.849569	-0.05764
ENSG0000I	ENSG0000I	80789	INTS5	integrator	ENSG0000I	8.192917	-0.10661	1.849569	-0.05764
ENSG0000I	ENSG0000I	10298	PAK4	p21 (RAC1	ENSG0000I	8.192917	-0.10661	1.849569	-0.05764
ENSG0000I	ENSG0000I	147650	SPACA6	sperm acro	ENSG0000I	8.192917	-0.10661	1.849569	-0.05764
ENSG0000I	ENSG0000I	9688	NUP93	nucleopor	ENSG0000I	32.27745	0.059047	1.028378	0.057418
ENSG0000I	ENSG0000I	1716	DGUOK	deoxyguan	ENSG0000I	9.280101	0.101314	1.765538	0.057384
ENSG0000I	ENSG0000I	2309	FOXO3	forkhead b	ENSG0000I	157.0156	0.037245	0.649263	0.057365
ENSG0000I	ENSG0000I	286753	TRARG1	trafficking	ENSG0000I	3.58105	0.17397	3.041127	0.057206
ENSG0000I	ENSG0000I	84260	TCHP	trichoplein	ENSG0000I	20.207	-0.07272	1.271841	-0.05718
ENSG0000I	ENSG0000I	63898	SH2D4A	SH2 domai	ENSG0000I	6.21446	-0.12165	2.145342	-0.05671
ENSG0000I	ENSG0000I	4325	MMP16	matrix met	ENSG0000I	6.21446	-0.12165	2.145342	-0.05671
ENSG0000I	ENSG0000I	57120	GOPC	golgi assoc	ENSG0000I	43.7824	0.051609	0.910724	0.056668
ENSG0000I	ENSG0000I	10111	RAD50	RAD50 do	ENSG0000I	89.43679	-0.04109	0.725303	-0.05665
ENSG0000I	ENSG0000I	9733	SART3	spliceosom	ENSG0000I	51.42093	0.049012	0.866155	0.056586
ENSG0000I	ENSG0000I	29915	HCFC2	host cell fa	ENSG0000I	38.02175	0.054246	0.959738	0.056522
ENSG0000I	ENSG0000I	26147	PHF19	PHD finger	ENSG0000I	14.19996	-0.08218	1.457364	-0.05639
ENSG0000I	ENSG0000I	91120	ZNF682	zinc finger	ENSG0000I	14.19996	-0.08218	1.457364	-0.05639
ENSG0000I	ENSG0000I	375743	PTAR1	protein pre	ENSG0000I	89.89649	0.040614	0.720429	0.056375
ENSG0000I	ENSG0000I	55778	ZNF839	zinc finger	ENSG0000I	15.0571	0.079491	1.412097	0.056293
ENSG0000I	ENSG0000I	115704	EVI5L	ecotropic v	ENSG0000I	22.2018	-0.06965	1.237533	-0.05628
ENSG0000I	ENSG0000I	5327	PLAT	plasminog	ENSG0000I	9.319074	0.0976	1.734355	0.056275
ENSG0000I	ENSG0000I	11161	ERG28	ergosterol	ENSG0000I	9.319074	0.0976	1.734355	0.056275
ENSG0000I	ENSG0000I	644538	SMIM10	small integ	ENSG0000I	9.319074	0.0976	1.734355	0.056275
ENSG0000I	ENSG0000I	26273	FBXO3	F-box prot	ENSG0000I	73.61162	-0.04313	0.769046	-0.05609
ENSG0000I	ENSG0000I	51529	ANAPC11	anaphase p	ENSG0000I	12.16618	-0.08702	1.552849	-0.05604
ENSG0000I	ENSG0000I	686	BTD	biotinidase	ENSG0000I	11.17434	0.092445	1.650394	0.056014
ENSG0000I	ENSG0000I	6628	SNRPB	small nucle	ENSG0000I	11.17434	0.092445	1.650394	0.056014
ENSG0000I	ENSG0000I	63876	PKNOX2	PBX/knotte	ENSG0000I	10.22669	-0.09606	1.718786	-0.05589
ENSG0000I	ENSG0000I	9079	LDB2	LIM domai	ENSG0000I	43.90075	-0.05098	0.91244	-0.05588
ENSG0000I	ENSG0000I	389333	PROB1	proline ric	ENSG0000I	39.98765	0.054484	0.975351	0.055861
ENSG0000I	ENSG0000I	58497	PRUNE1	prune exo	ENSG0000I	59.78125	-0.04609	0.825799	-0.05581
ENSG0000I	ENSG0000I	3178	HNRNPA1	heterogen	ENSG0000I	253.2015	-0.0325	0.582547	-0.0558
ENSG0000I	ENSG0000I	9902	MRC2	mannose r	ENSG0000I	43.95607	-0.05131	0.921041	-0.05571
ENSG0000I	ENSG0000I	90135	BTBD6	BTB domai	ENSG0000I	35.96051	-0.05526	0.993964	-0.0556
ENSG0000I	ENSG0000I	7707	ZNF148	zinc finger	ENSG0000I	134.227	0.03617	0.650651	0.05559
ENSG0000I	ENSG0000I	7404	UTY	ubiquitous	ENSG0000I	67.61086	-0.04378	0.787734	-0.05557
ENSG0000I	ENSG0000I	55647	RAB20	RAB20, me	ENSG0000I	11.21331	0.088948	1.604408	0.05544
ENSG0000I	ENSG0000I	84188	FAR1	fatty acyl-C	ENSG0000I	79.51809	-0.0416	0.750309	-0.05544
ENSG0000I	ENSG0000I	5947	RBP1	retinol bin	ENSG0000I	6.175487	-0.11624	2.104055	-0.05525

ENSG000001283927	NUDT7	nudix hydr	ENSG0000016175487	-0.11624	2.104055	-0.05525
ENSG000001265727			ENSG0000016175487	-0.11624	2.104055	-0.05525
ENSG00000157224	NHSL1	NHS like 1	ENSG0000019336481	-0.03975	0.71974	-0.05523
ENSG0000017161	TP73	tumor prot	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG000001116540	MRPL53	mitochond	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG000001225205			ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG000001100505875	LINC01088	long interg	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG0000019627	SNCAIP	synuclein a	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG000001347051	SLC10A5	solute carr	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG000001276662			ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG000001219347	TMEM254	TMEM254	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG000001121952	METTL21E	methyltran	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG000001279344			ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG00000110099666C	LOC10099666C	uncharacte	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG00000110597	TRAPPC2B	trafficking	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG00000155653	BCAS4	breast carc	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG0000017307	U2AF1	U2 small n	ENSG0000012140626	-0.19042	3.462546	-0.05499
ENSG00000110015	PDCD6IP	programm	ENSG0000011367502	-0.03552	0.646307	-0.05495
ENSG0000012487	FRZB	frizzled rel	ENSG0000015514257	0.122162	2.224937	0.054906
ENSG0000015936	RBM4	RNA bindir	ENSG0000015514257	0.122162	2.224937	0.054906
ENSG000001113246	C12orf57	chromosor	ENSG0000015514257	0.122162	2.224937	0.054906
ENSG00000155030	FBXO34	F-box prote	ENSG0000013204256	-0.05665	1.032362	-0.05488
ENSG000001285671	RNF180	ring finger	ENSG0000012212386	-0.06574	1.198356	-0.05486
ENSG0000016760	SS18	SS18, nBAF	ENSG0000017745789	-0.04255	0.776042	-0.05483
ENSG0000019584	RBM39	RNA bindir	ENSG0000011840534	-0.03312	0.605767	-0.05468
ENSG00000164981	MRPL34	mitochond	ENSG000001169903	0.073591	1.347719	0.054604
ENSG00000158155	PTBP2	polypyrimi	ENSG0000012802026	-0.06184	1.134986	-0.05448
ENSG0000019871	SEC24D	SEC24 hom	ENSG0000014757714	0.049286	0.906587	0.054364
ENSG00000191039	DPP9	dipeptidyl	ENSG0000014192714	0.050599	0.931356	0.054328
ENSG00000157700	FAM160B1	family with	ENSG0000016564875	-0.04319	0.795462	-0.0543
ENSG00000190525	SHF	Src homolc	ENSG0000018153944	-0.10237	1.886232	-0.05427
ENSG00000125978	CHMP2B	charged m	ENSG0000013793269	-0.05225	0.963977	-0.0542
ENSG000001121536	AEBP2	AE binding	ENSG0000013804437	0.052103	0.961584	0.054185
ENSG0000013268	AGFG2	ArfGAP wit	ENSG0000012072345	0.068771	1.269225	0.054183
ENSG0000015565	PRKAB2	protein kin	ENSG0000019766581	0.041152	0.760952	0.054079
ENSG00000122836	RHOBTB3	Rho relate	ENSG0000011553225	0.034479	0.638806	0.053974
ENSG00000184572	GNPTG	N-acetylgl	ENSG0000011693498	0.072936	1.351918	0.05395
ENSG00000110488	CREB3	cAMP resp	ENSG0000011504075	0.076037	1.411134	0.053883
ENSG0000017915	ALDH5A1	aldehyde d	ENSG0000014596723	-0.05034	0.934805	-0.05385
ENSG000001151246	SGO2	shugoshin	ENSG0000014197029	-0.14412	2.677798	-0.05382
ENSG000001285489	DOK7	docking pr	ENSG0000019358047	0.093991	1.751457	0.053664
ENSG000001388697	HRNR	hornerin	ENSG0000014158056	-0.13521	2.526305	-0.05352
ENSG0000018842	PROM1	prominin 1	ENSG0000014158056	-0.13521	2.526305	-0.05352
ENSG000001378108	TRIM74	tripartite n	ENSG0000014158056	-0.13521	2.526305	-0.05352
ENSG000001254778	VXN	vexin	ENSG0000014158056	-0.13521	2.526305	-0.05352
ENSG000001220930	ZEB1-AS1	ZEB1 antis	ENSG0000014158056	-0.13521	2.526305	-0.05352
ENSG00000157453	DSCAML1	DS cell adh	ENSG0000014158056	-0.13521	2.526305	-0.05352

ENSG000001200312	RNF215	ring finger	ENSG0000014158056	-0.13521	2.526305	-0.05352
ENSG000001123720	WHAMM	WAS prote	ENSG0000012009008	-0.0668	1.248716	-0.0535
ENSG00000154707	GPN2	GPN-loop (	ENSG00000118.86819	0.068368	1.281058	0.053368
ENSG00000155356	SLC22A15	solute carr	ENSG00000118.86819	0.068368	1.281058	0.053368
ENSG0000012819	GPD1	glycerol-3-	ENSG00000118.1506	-0.0699	1.312182	-0.05327
ENSG00000154495	TMX3	thioredoxin	ENSG00000170.75928	0.041168	0.773399	0.05323
ENSG00000181578	COL21A1	collagen ty	ENSG00000145.83396	-0.04772	0.897694	-0.05315
ENSG000001157	GRK3	G protein-c	ENSG00000130.38949	0.05561	1.047715	0.053077
ENSG000001643783	USP46-AS1	USP46 anti	ENSG0000015.55323	0.116632	2.198287	0.053056
ENSG00000178991	PCYOX1L	prenylcyste	ENSG0000015.55323	0.116632	2.198287	0.053056
ENSG00000110591	DNPH1	2'-deoxynu	ENSG0000015.55323	0.116632	2.198287	0.053056
ENSG0000010273151			ENSG0000015.55323	0.116632	2.198287	0.053056
ENSG0000016329	SCN4A	sodium vol	ENSG0000015.55323	0.116632	2.198287	0.053056
ENSG0000015786	PTPRA	protein tyr	ENSG00000159.63164	-0.04438	0.837075	-0.05302
ENSG00000179091	METTL22	methyltran	ENSG00000116.97396	0.07066	1.333673	0.052981
ENSG00000190826	PRMT9	protein arg	ENSG00000110.14875	-0.08903	1.682252	-0.05293
ENSG000001440345	NPIPB4	nuclear po	ENSG00000112.12721	-0.08385	1.587569	-0.05282
ENSG000001134147	CMBL	carboxyme	ENSG00000136.08749	-0.05551	1.053491	-0.05269
ENSG00000196459	FNIP1	folliculin in	ENSG00000199.57508	0.0373	0.708857	0.05262
ENSG0000016237	RRAS	RAS relate	ENSG00000141.95983	0.051726	0.983195	0.05261
ENSG00000151594	NBAS	neuroblast	ENSG000001161.3208	0.032978	0.628217	0.052495
ENSG00000155972	SLC25A40	solute carr	ENSG00000116.11682	-0.07183	1.368496	-0.05249
ENSG00000154867	TMEM214	transmembr	ENSG00000138.02803	0.051223	0.977662	0.052393
ENSG000001149951	COMMD7	COMM dor	ENSG00000124.68416	0.06063	1.157779	0.052368
ENSG0000010228623			ENSG0000018.209265	-0.10091	1.931522	-0.05225
ENSG000001374868	ATP9B	ATPase ph	ENSG00000141.84435	-0.04868	0.932014	-0.05223
ENSG0000011783	DYNC1L1L2	dynein cyto	ENSG000001143.9508	0.033282	0.637201	0.052232
ENSG000001123263	MTFMT	mitochond	ENSG00000118.90716	0.066354	1.272078	0.052162
ENSG000001396	ARHGDI2A	Rho GDP d	ENSG00000137.91006	-0.05017	0.963152	-0.05209
ENSG00000110947	AP3M2	adaptor rel	ENSG00000122.14021	-0.06407	1.231964	-0.05201
ENSG0000013313	HSPA9	heat shock	ENSG000001377.4248	-0.02893	0.557411	-0.05191
ENSG0000015218	CDK14	cyclin depe	ENSG00000143.8555	-0.04743	0.914186	-0.05189
ENSG00000110728	PTGES3	prostaglan	ENSG000001103.5358	0.035839	0.691535	0.051825
ENSG00000155858	TMEM165	transmembr	ENSG00000161.17119	0.042016	0.810842	0.051818
ENSG00000157696	DDX55	DEAD-box	ENSG00000110.1324	-0.09274	1.790426	-0.0518
ENSG0000011161	ERCC8	ERCC excis	ENSG0000018.170292	-0.09606	1.86296	-0.05157
ENSG00000189932	PAPLN	papilin, pro	ENSG0000016.136514	-0.11084	2.150653	-0.05154
ENSG000001387921	NHLRC3	NHL repea	ENSG00000126.61737	0.058107	1.129175	0.05146
ENSG00000123300	ATMIN	ATM intera	ENSG00000168.90402	0.040132	0.780932	0.05139
ENSG00000183891	SNX25	sorting nex	ENSG00000122.10123	-0.06206	1.209129	-0.05133
ENSG0000017024	TFCP2	transcripti	ENSG00000122.10123	-0.06206	1.209129	-0.05133
ENSG00000123609	MKRN2	makorin ri	ENSG00000143.80018	-0.04712	0.918383	-0.05131
ENSG00000110144	FAM13A	family with	ENSG00000143.80018	-0.04712	0.918383	-0.05131
ENSG0000019382	COG1	componen	ENSG00000143.80018	-0.04712	0.918383	-0.05131
ENSG00000179863	RBFA	ribosome k	ENSG0000017.447465	0.098434	1.92144	0.051229
ENSG000001134218	DNAJC21	DnaJ heat s	ENSG00000174.63198	0.03903	0.764464	0.051055
ENSG0000018893	EIF2B5	eukaryotic	ENSG00000143.81653	-0.0464	0.912469	-0.05085

ENSG0000015134	PDCD2	programmed cell death 2	ENSG0000015134	28.53423	0.054621	1.07741	0.050697
ENSG0000015681	PSKH1	protein serine kinase 1	ENSG0000015681	14.13836	-0.07364	1.455165	-0.05061
ENSG000001014	AAMP	angio-assisted angiogenesis	ENSG000001014	47.76717	-0.04472	0.884515	-0.05056
ENSG00000156922	MCCC1	methylcrotonyl-CoA carboxylase 1	ENSG00000156922	41.97239	0.046767	0.925078	0.050554
ENSG00000107073	TIAL1	TIA1 cytosolic protein 1	ENSG00000107073	78.48204	0.038087	0.756374	0.050355
ENSG00000180006	TRAPPC13	trafficking protein particle complex 13	ENSG00000180006	18.07265	-0.06571	1.305157	-0.05035
ENSG00000179135	APOO	apolipoprotein O	ENSG00000179135	18.94614	0.06435	1.278267	0.050342
ENSG0000018508	NIPSNAP1	nipsnap homolog 1	ENSG0000018508	15.1187	0.071189	1.414994	0.05031
ENSG00000111054	OGFR	opioid growth factor receptor	ENSG00000111054	16.07784	-0.06947	1.385257	-0.05015
ENSG00000157020	VPS35L	VPS35 endoplasmic reticulum	ENSG00000157020	51.77313	-0.04375	0.875775	-0.04995
ENSG00000110531	PITRM1	pitrilysin motif domain 1	ENSG00000110531	95.92995	0.036057	0.724837	0.049745
ENSG0000018799	PEX11B	peroxisomal membrane protein 11B	ENSG0000018799	8.131319	-0.09203	1.857612	-0.04954
ENSG000001196394	AMN1	antagonist of myosin 1	ENSG000001196394	8.131319	-0.09203	1.857612	-0.04954
ENSG0000016158	RPL28	ribosomal protein L28	ENSG0000016158	45.82245	0.044296	0.89713	0.049375
ENSG000001728537	C2orf92	chromosome 2 open reading frame 92	ENSG000001728537	3.642648	0.136655	2.770758	0.049321
ENSG0000017617	ZNF66	zinc finger protein 66	ENSG0000017617	3.642648	0.136655	2.770758	0.049321
ENSG0000019987	HNRNPDL	heterogeneous nuclear ribonucleoprotein D-like	ENSG0000019987	130.5482	-0.03242	0.657439	-0.04931
ENSG0000012869	GRK5	G protein-coupled receptor kinase 5	ENSG0000012869	87.42316	-0.03848	0.780766	-0.04928
ENSG0000019252	RPS6KA5	ribosomal protein S6 kinase alpha-5	ENSG0000019252	45.78871	-0.04433	0.901574	-0.04917
ENSG000001346007	EYS	eyes shut homolog	ENSG000001346007	4.119084	-0.12755	2.59778	-0.0491
ENSG000001100506668	NRAV	negative regulator of angiogenesis	ENSG000001100506668	4.119084	-0.12755	2.59778	-0.0491
ENSG0000013725	JUN	Jun proto-oncogene	ENSG0000013725	85.23977	-0.03585	0.732769	-0.04893
ENSG000001200186	CRTC2	CREB-regulated transcription coactivator 2	ENSG000001200186	22.75723	0.0578	1.182337	0.048887
ENSG0000014116	MAGOH	mago homolog	ENSG0000014116	11.27491	0.077902	1.596596	0.048792
ENSG0000016882	TAF11	TATA-box binding protein 11	ENSG0000016882	11.27491	0.077902	1.596596	0.048792
ENSG00000156894	AGPAT3	1-acylglycerol-3-phosphate acyltransferase 3	ENSG00000156894	112.9659	-0.03414	0.70078	-0.04871
ENSG0000014814	NINJ1	ninjurin 1	ENSG0000014814	24.69044	0.055461	1.139583	0.048668
ENSG0000017769	ZNF226	zinc finger protein 226	ENSG0000017769	25.95758	-0.05497	1.134405	-0.04845
ENSG00000127107	ZBTB11	zinc finger and BTB domain protein 11	ENSG00000127107	41.99501	0.044846	0.925758	0.048443
ENSG000001126789	PUSL1	pseudouridine synthase 1	ENSG000001126789	3.681621	0.127974	2.649133	0.048308
ENSG00000184058	WDR54	WD repeat domain 54	ENSG00000184058	3.681621	0.127974	2.649133	0.048308
ENSG00000184269	CHCHD5	coiled-coil domain containing 5	ENSG00000184269	3.681621	0.127974	2.649133	0.048308
ENSG000001286046	XKR6	XK related protein 6	ENSG000001286046	3.681621	0.127974	2.649133	0.048308
ENSG000001403313	PLPP6	phospholipase 6	ENSG000001403313	3.681621	0.127974	2.649133	0.048308
ENSG0000010261098			ENSG0000010261098	3.681621	0.127974	2.649133	0.048308
ENSG0000013875	KRT18	keratin 18	ENSG0000013875	3.681621	0.127974	2.649133	0.048308
ENSG00000126589	MRPL46	mitochondrial ribosomal protein L46	ENSG00000126589	3.681621	0.127974	2.649133	0.048308
ENSG00000164755	C16orf58	chromosome 16 open reading frame 58	ENSG00000164755	15.10235	0.067784	1.405298	0.048234
ENSG0000012319	FLOT2	flotillin 2	ENSG0000012319	82.35473	0.036395	0.754705	0.048224
ENSG00000123197	FAF2	Fas associated factor 2	ENSG00000123197	39.78795	-0.04614	0.956868	-0.04822
ENSG0000016723	SRM	spermidine synthase	ENSG0000016723	10.12612	-0.08056	1.681173	-0.04792
ENSG00000111132	CAPN10	calpain 10	ENSG00000111132	10.12612	-0.08056	1.681173	-0.04792
ENSG00000157691	KIAA1586	KIAA1586	ENSG00000157691	10.12612	-0.08056	1.681173	-0.04792
ENSG00000184078	KBTBD7	kelch repeat domain containing 7	ENSG00000184078	10.12612	-0.08056	1.681173	-0.04792
ENSG0000014171	MCM2	minichromosome maintenance complex component 2	ENSG0000014171	6.152862	-0.10219	2.134426	-0.04788
ENSG00000164802	NMNAT1	nicotinamide phosphoribosyltransferase 1	ENSG00000164802	18.98511	0.062164	1.299894	0.047822
ENSG0000017430	EZR	ezrin	ENSG0000017430	227.1057	-0.02785	0.583664	-0.04772

ENSG0000018841	HDAC3	histone de	ENSG00000132.42327	0.048736	1.024177	0.047585
ENSG0000012903	GRIN2A	glutamate	ENSG00000117.06825	0.067866	1.439513	0.047145
ENSG00000110280	SIGMAR1	sigma non-	ENSG00000118.96876	0.059783	1.270842	0.047042
ENSG000001338699	ANKRD42	ankyrin re	ENSG00000111.31388	0.074888	1.596339	0.046912
ENSG00000153834	FGFRL1	fibroblast	ENSG00000120.04483	-0.05853	1.248424	-0.04688
ENSG00000165988	ZNF747	zinc finger	ENSG00000112.12093	-0.07302	1.562409	-0.04673
ENSG00000128973	MRPS18B	mitochond	ENSG00000186.35193	0.037018	0.792113	0.046733
ENSG00000179576	NKAP	NFKB activ	ENSG00000115.14132	0.065407	1.401276	0.046677
ENSG00000126574	AATF	apoptosis	ENSG00000128.54051	0.050228	1.082349	0.046406
ENSG00000110114	HIPK3	homeodon	ENSG000001910.5202	-0.02415	0.522072	-0.04627
ENSG00000123228	PLCL2	phospholi	ENSG000001102.9139	-0.03216	0.696785	-0.04615
ENSG00000180821	DDHD1	DDHD dom	ENSG00000140.13975	0.043497	0.942619	0.046145
ENSG0000011317	SLC31A1	solute carr	ENSG00000135.83103	-0.04526	0.983934	-0.046
ENSG0000017447	VSNL1	visinin like	ENSG0000016.113889	-0.09695	2.113819	-0.04586
ENSG000001134359	POC5	POC5 cent	ENSG0000016.113889	-0.09695	2.113819	-0.04586
ENSG000001105375166	LOC105375166	uncharacte	ENSG0000016.113889	-0.09695	2.113819	-0.04586
ENSG000001401466	C8orf59	chromosor	ENSG0000016.113889	-0.09695	2.113819	-0.04586
ENSG000001100128782	LINC00476	long interg	ENSG0000016.113889	-0.09695	2.113819	-0.04586
ENSG00000178992	YIPF2	Yip1 doma	ENSG0000016.113889	-0.09695	2.113819	-0.04586
ENSG0000014016	LOXL1	lysyl oxida	ENSG0000019.419645	0.080612	1.758179	0.04585
ENSG00000127349	MCAT	malonyl-C	ENSG0000019.419645	0.080612	1.758179	0.04585
ENSG00000151228	GLTP	glycolipid t	ENSG00000123.99547	-0.05316	1.159598	-0.04584
ENSG00000184284	NTPCR	nucleoside	ENSG00000144.00616	0.041947	0.915348	0.045826
ENSG00000179036	KXD1	KxDL motif	ENSG00000120.00586	-0.05663	1.246468	-0.04543
ENSG0000010240731			ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG00000163924	CIDEC	cell death i	ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000010241939			ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG000001100506994	PTPRG-AS1	PTPRG anti	ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000012255	FGF10	fibroblast	ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000010271913			ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG000001100188953	LINC00092	long interg	ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000010226647			ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000016289	SAA2	serum amy	ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000010280143			ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG000001144481	SOCS2-AS1	SOCS2 anti	ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000010267491			ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG00000163910	SLC17A9	solute carr	ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000010225043			ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000010273295			ENSG0000012.101653	-0.17419	3.839355	-0.04537
ENSG0000019205	ZMYM5	zinc finger	ENSG00000122.77986	0.05414	1.193856	0.045349
ENSG000001148327	CREB3L4	cAMP resp	ENSG0000015.575855	0.099756	2.200108	0.045341
ENSG00000155422	ZNF331	zinc finger	ENSG00000127.9461	-0.04933	1.091188	-0.04521
ENSG00000158528	RRAGD	Ras relatec	ENSG000001148.1391	0.030031	0.668053	0.044953
ENSG00000155795	PCID2	PCI domair	ENSG00000143.67699	-0.04147	0.92262	-0.04495
ENSG00000156648	EIF5A2	eukaryotic	ENSG00000114.07676	-0.06507	1.454087	-0.04475
ENSG00000123184	MESD	mesoderm	ENSG00000138.26186	0.043995	0.984687	0.044679
ENSG00000110318	TNIP1	TNFAIP3 in	ENSG000001162.0993	-0.02896	0.649124	-0.04461



ENSG00000179735	TBC1D17	TBC1 domain	ENSG00000179735	23.95649	-0.0515	1.155425	-0.04457
ENSG00000183707	TRPT1	tRNA phosphatase	ENSG00000183707	15.18029	0.062913	1.418982	0.044337
ENSG00000101919	ABCA1	ATP binding cassette	ENSG00000101919	174.3151	0.035442	0.800007	0.044302
ENSG00000126190	FBXW2	F-box and WD domain	ENSG00000126190	106.7476	-0.03038	0.686604	-0.04425
ENSG00000108013	NR4A3	nuclear receptor	ENSG00000108013	13.26343	0.070719	1.598346	0.044245
ENSG00000101104	RCC1	regulator of Cdc42	ENSG00000101104	7.47009	0.086388	1.954247	0.044205
ENSG00000105869	RAB5B	RAB5B, member of	ENSG00000105869	199.2727	-0.02625	0.595076	-0.04412
ENSG00000106904	TBCD	tubulin folding	ENSG00000106904	45.70449	-0.03995	0.905432	-0.04412
ENSG000001122809	SOCS4	suppressor of cytokine	ENSG000001122809	45.64917	-0.03962	0.899921	-0.04403
ENSG00000108970	RSPRY1	ring finger protein	ENSG00000108970	36.29596	0.043056	0.978142	0.044018
ENSG00000105516	PPP2CB	protein phosphatase	ENSG00000105516	61.46806	-0.03576	0.81526	-0.04386
ENSG00000107345	UCHL1	ubiquitin C-terminal hydrolase	ENSG00000107345	4.135431	-0.1146	2.618536	-0.04377
ENSG00000103250	HPR	haptoglobin	ENSG00000103250	53.52886	0.03883	0.887284	0.043763
ENSG00000105184	PEPD	peptidase	ENSG00000105184	15.12497	0.062089	1.421542	0.043677
ENSG00000108440	NCK2	NCK adaptor	ENSG00000108440	18.99139	0.055215	1.272462	0.043392
ENSG00000109260	PDLIM7	PDZ and LIM domain	ENSG00000109260	17.1135	0.058832	1.356637	0.043366
ENSG000001057619	SHROOM3	shroom family	ENSG000001057619	24.80736	0.050414	1.165474	0.043256
ENSG0000010708	C1QBP	complement C1q binding	ENSG0000010708	45.66551	-0.03892	0.900418	-0.04323
ENSG000001027314	RAB30	RAB30, member of	ENSG000001027314	38.28449	0.041973	0.973335	0.043123
ENSG000001090809	PIP4P1	phosphatidylinositol	ENSG000001090809	16.03259	-0.05907	1.370513	-0.0431
ENSG000001057507	ZNF608	zinc finger	ENSG000001057507	22.8578	0.050618	1.1753	0.043068
ENSG00000106908	TBP	TATA-box binding	ENSG00000106908	9.403297	0.07467	1.737226	0.042983
ENSG00000101687	GSDME	gasdermin	ENSG00000101687	9.403297	0.07467	1.737226	0.042983
ENSG000001084002	B3GNT5	UDP-GlcNAc 4-epimerase	ENSG000001084002	5.614828	0.094319	2.199238	0.042887
ENSG0000010280636	SELENOH	selenoprotein	ENSG0000010280636	5.614828	0.094319	2.199238	0.042887
ENSG000001081543	LRR3	leucine rich repeat	ENSG000001081543	5.614828	0.094319	2.199238	0.042887
ENSG0000010128486	FITM2	fat storage	ENSG0000010128486	275.6415	0.02505	0.584898	0.042827
ENSG000001023743	BHMT2	betaine-homocysteine	ENSG000001023743	7.509062	0.081887	1.912943	0.042807
ENSG0000010256304			ENSG0000010256304	7.509062	0.081887	1.912943	0.042807
ENSG0000010394	ARHGAP5	Rho GTPase	ENSG0000010394	379.9277	0.022983	0.538159	0.042706
ENSG000001023560	GTPBP4	GTP binding	ENSG000001023560	43.67071	-0.03897	0.913657	-0.04265
ENSG00000105033	P4HA1	prolyl 4-hydroxylase	ENSG00000105033	96.15372	0.031384	0.736091	0.042636
ENSG00000108682	PEA15	proliferation	ENSG00000108682	273.9715	-0.02401	0.563198	-0.04263
ENSG000001025930	PTPN23	protein tyrosine	ENSG000001025930	35.76943	-0.04183	0.984598	-0.04248
ENSG000001023514	SPIDR	scaffold protein	ENSG000001023514	47.86251	0.037636	0.887224	0.04242
ENSG0000010256643	BCLAF3	BCLAF1 and	ENSG0000010256643	26.6689	0.047192	1.115784	0.042295
ENSG00000104335	MNT	MAX network	ENSG00000104335	10.04818	-0.07329	1.744121	-0.04202
ENSG000001026227	PHGDH	phosphoglycerate	ENSG000001026227	4.096459	-0.10665	2.539119	-0.042
ENSG0000010279253			ENSG0000010279253	4.096459	-0.10665	2.539119	-0.042
ENSG000001051300	TIMMDC1	translocase	ENSG000001051300	98.10955	0.030514	0.728457	0.041889
ENSG000001080301	PLEKHO2	pleckstrin homology	ENSG000001080301	25.87335	-0.04718	1.127805	-0.04183
ENSG00000104916	NTRK3	neurotrophin	ENSG00000104916	20.8303	0.05557	1.328875	0.041817
ENSG000001079183	TTPAL	alpha tocopherol	ENSG000001079183	20.8303	0.05557	1.328875	0.041817
ENSG0000010400	ARL1	ADP ribosyl	ENSG0000010400	74.93369	0.031833	0.761387	0.041809
ENSG00000105789	PTPRD	protein tyrosine	ENSG00000105789	32.4132	0.043984	1.054408	0.041714
ENSG000001057396	CLK4	CDC like kinase	ENSG000001057396	37.69257	-0.04193	1.005767	-0.04169
ENSG000001079006	METRNL	meteorin, like	ENSG000001079006	6.074916	-0.09116	2.186903	-0.04169

ENSG0000012805	GOT1	glutamic-o	ENSG000001391.6288	0.022855	0.550264	0.041535
ENSG00000180222	TARS2	threonyl-tF	ENSG00000127.88451	-0.04494	1.090049	-0.04123
ENSG000001172	AFG3L1P	AFG3 like r	ENSG00000115.99362	-0.05678	1.377155	-0.04123
ENSG00000165992	DDRGRK1	DDRGRK do	ENSG00000115.99362	-0.05678	1.377155	-0.04123
ENSG0000019121	SLC16A5	solute carr	ENSG0000019.44227	0.071155	1.728431	0.041167
ENSG0000015359	PLSCR1	phospholip	ENSG00000172.87349	0.032732	0.799302	0.040951
ENSG00000155004	LAMTOR1	late endos	ENSG00000144.09039	0.037287	0.911574	0.040904
ENSG00000123670	CEMIP2	cell migrati	ENSG00000159.2015	0.039654	0.971752	0.040807
ENSG00000184336	TMEM101	transmembr	ENSG00000110.06453	-0.06867	1.683514	-0.04079
ENSG00000185449	KIAA1755	KIAA1755	ENSG00000110.06453	-0.06867	1.683514	-0.04079
ENSG00000151077	FCF1	FCF1, rRNA	ENSG00000125.8897	-0.0456	1.119749	-0.04072
ENSG0000017786	MAP3K12	mitogen-act	ENSG00000120.90825	0.05062	1.24374	0.0407
ENSG0000014734	NEDD4	neural prec	ENSG00000145.91295	0.037563	0.923274	0.040685
ENSG000001375748	ERCC6L2	ERCC excisi	ENSG00000147.5434	-0.03596	0.888839	-0.04046
ENSG00000122872	SEC31A	SEC31 hom	ENSG000001165.7479	0.025264	0.625039	0.04042
ENSG000001100506392	SLC16A1-A	SLC16A1 al	ENSG00000112.05933	-0.06301	1.560084	-0.04039
ENSG00000153826	FXYD6	FXYD domæ	ENSG00000112.05933	-0.06301	1.560084	-0.04039
ENSG00000123167	EFR3A	EFR3 homc	ENSG000001105.8776	0.027805	0.69147	0.040212
ENSG00000110349	ABCA10	ATP bindin	ENSG00000141.60424	-0.03912	0.978151	-0.04
ENSG0000016717	SRI	sorcini	ENSG00000122.88043	0.046886	1.176087	0.039866
ENSG00000123048	FNBP1	formin bin	ENSG00000149.85731	0.034664	0.87139	0.03978
ENSG0000015981	RFC1	replication	ENSG00000157.57379	0.032978	0.829196	0.039771
ENSG0000019167	COX7A2L	cytochrom	ENSG00000147.61507	-0.03572	0.902001	-0.0396
ENSG00000157003	CCDC47	coiled-coil	ENSG00000184.62863	0.028996	0.732239	0.039599
ENSG0000012042	EPHA3	EPH recept	ENSG00000121.88374	-0.04904	1.240334	-0.03954
ENSG0000019939	RBM8A	RNA bindir	ENSG00000134.46332	0.039075	0.99684	0.039199
ENSG00000190362	FAM110B	family with	ENSG00000118.00477	-0.05188	1.323808	-0.03919
ENSG00000110380	BPNT1	3'(2'), 5'-bi	ENSG00000115.1476	0.056692	1.451976	0.039044
ENSG00000179673	ZNF329	zinc finger	ENSG00000114.01516	-0.05646	1.454141	-0.03882
ENSG00000155624	POMGNT1	protein O-l	ENSG000001111.7325	0.027079	0.697853	0.038804
ENSG00000155035	NOL8	nucleolar p	ENSG00000131.7572	-0.03996	1.032535	-0.0387
ENSG00000157597	BAHCC1	BAH doma	ENSG00000115.95465	-0.05428	1.403034	-0.03869
ENSG000001143279	HECTD2	HECT domæ	ENSG00000112.02036	-0.06011	1.555867	-0.03863
ENSG000001124446	TMEM219	transmembr	ENSG00000127.80656	-0.04199	1.090681	-0.0385
ENSG0000015217	PFN2	profilin 2	ENSG00000122.9194	0.04518	1.17505	0.03845
ENSG00000192482	BBIP1	BBSome in	ENSG00000120.98619	0.04679	1.217736	0.038424
ENSG00000155048	VPS37C	VPS37C, ES	ENSG00000115.24189	0.054661	1.42395	0.038387
ENSG00000123016	EXOSC7	exosome c	ENSG00000117.11978	0.050993	1.332797	0.03826
ENSG000001253143	PRR14L	proline ric	ENSG00000182.71804	0.028211	0.737864	0.038234
ENSG000001922	CD5L	CD5 molec	ENSG0000013.720594	0.115797	3.029302	0.038226
ENSG000001148811	PM20D1	peptidase I	ENSG0000013.720594	0.115797	3.029302	0.038226
ENSG0000016913	TBX15	T-box 15	ENSG0000013.704246	0.10241	2.688454	0.038092
ENSG0000014485	MST1	macrophag	ENSG0000013.704246	0.10241	2.688454	0.038092
ENSG0000013139	HLA-L	major histc	ENSG0000013.704246	0.10241	2.688454	0.038092
ENSG0000010235370			ENSG0000013.704246	0.10241	2.688454	0.038092
ENSG0000018500	PPFIA1	PTPRF inte	ENSG00000175.00156	0.028846	0.760019	0.037954
ENSG000001115207	KCTD12	potassium	ENSG000001216.0062	0.022442	0.591426	0.037945

ENSG00000122908	SACM1L	SAC1 like p	ENSG00000139.6195	-0.03602	0.949858	-0.03792
ENSG0000019380	GRHPR	glyoxylate	ENSG00000145.52597	-0.03419	0.90233	-0.0379
ENSG00000110576	CCT2	chaperonin	ENSG00000163.26173	-0.03035	0.802822	-0.03781
ENSG0000012308	FOXO1	forkhead b	ENSG00000178.98633	-0.02828	0.748586	-0.03778
ENSG0000015164	PDK2	pyruvate d	ENSG00000175.09102	-0.02879	0.762728	-0.03774
ENSG000001124491	TMEM170	transmembr	ENSG00000121.91644	-0.04539	1.203434	-0.03772
ENSG000001390916	NUDT19	nudix hydr	ENSG00000121.91644	-0.04539	1.203434	-0.03772
ENSG00000191746	YTHDC1	YTH domai	ENSG00000173.01303	0.029405	0.779673	0.037715
ENSG000001205327	C2orf69	chromosom	ENSG00000115.971	-0.0515	1.372073	-0.03754
ENSG0000019184	BUB3	BUB3, mitc	ENSG00000132.51377	0.038629	1.03258	0.03741
ENSG00000110732	TCFL5	transcripti	ENSG0000018.030748	-0.07248	1.938766	-0.03739
ENSG000001344595	DUBR	DPPA2 ups	ENSG00000113.97619	-0.05391	1.459174	-0.03694
ENSG00000123404	EXOSC2	exosome c	ENSG00000111.35913	0.059159	1.605449	0.036849
ENSG00000125983	NGDN	neuroguidi	ENSG00000117.15875	0.048837	1.327084	0.0368
ENSG00000181577	GFOD2	glucose-fru	ENSG00000117.15875	0.048837	1.327084	0.0368
ENSG00000192667	MGME1	mitochond	ENSG00000117.15875	0.048837	1.327084	0.0368
ENSG00000155869	HDAC8	histone de	ENSG00000119.09196	0.046717	1.270635	0.036767
ENSG0000010260711			ENSG0000014.057486	-0.09806	2.679337	-0.0366
ENSG00000155294	FBXW7	F-box and	ENSG00000196.64415	-0.02583	0.706167	-0.03657
ENSG00000110513	APPBP2	amyloid be	ENSG00000139.58053	-0.03486	0.957651	-0.03641
ENSG000001153684	LOC153684	uncharacte	ENSG0000016.052291	-0.07739	2.128199	-0.03636
ENSG000001374666	WASH3P	WAS prote	ENSG0000016.052291	-0.07739	2.128199	-0.03636
ENSG000001114821	ZBED9	zinc finger	ENSG0000015.653801	0.086397	2.379187	0.036314
ENSG000001221927	BRAT1	BRCA1 ass	ENSG0000017.531688	0.069831	1.932782	0.03613
ENSG000001162962	ZNF836	zinc finger	ENSG0000017.531688	0.069831	1.932782	0.03613
ENSG00000181608	FIP1L1	factor inte	ENSG00000111.98139	-0.05706	1.581403	-0.03608
ENSG00000125942	SIN3A	SIN3 trans	ENSG00000169.13027	0.029513	0.819579	0.03601
ENSG000001221710	SMIM13	small integ	ENSG00000124.90793	0.043246	1.201518	0.035993
ENSG000001123811	FOPNL	FGFR1OP	ENSG00000129.83406	-0.03924	1.093581	-0.03588
ENSG0000010261168			ENSG0000013.743219	0.094552	2.643524	0.035767
ENSG00000179072	FASTKD3	FAST kinas	ENSG0000013.743219	0.094552	2.643524	0.035767
ENSG00000111182	SLC2A6	solute carr	ENSG0000013.743219	0.094552	2.643524	0.035767
ENSG00000190060	CCDC120	coiled-coil	ENSG0000013.743219	0.094552	2.643524	0.035767
ENSG00000179137	RETREG2	reticuloph	ENSG00000147.45918	-0.03173	0.887304	-0.03576
ENSG0000015829	PXN	paxillin	ENSG00000178.85791	0.027236	0.762066	0.035739
ENSG00000155332	DRAM1	DNA dama	ENSG00000119.03664	0.046421	1.30285	0.03563
ENSG000001541565	C8orf58	chromosom	ENSG0000015.637453	0.077749	2.182814	0.035619
ENSG00000164841	GNPNAT1	glucosamir	ENSG0000015.637453	0.077749	2.182814	0.035619
ENSG00000110606	PAICS	phosphorik	ENSG00000134.52492	0.035452	0.9966	0.035573
ENSG0000013265	HRAS	HRas protc	ENSG00000111.3981	0.05608	1.58656	0.035347
ENSG00000127152	INTU	inturned pl	ENSG00000112.03671	-0.05608	1.587069	-0.03533
ENSG00000122907	DHX30	DExH-box	ENSG00000159.64655	0.028967	0.819957	0.035327
ENSG00000155276	PGM2	phosphogl	ENSG00000122.94203	0.041463	1.173915	0.035321
ENSG00000158487	CREBZF	CREB/ATF	ENSG00000134.4696	0.035659	1.013179	0.035195
ENSG000001255027	MPV17L	MPV17 mit	ENSG00000113.33131	0.052105	1.482759	0.035141
ENSG0000016880	TAF9	TATA-box	ENSG00000121.00882	0.042712	1.220581	0.034993
ENSG0000013476	IGBP1	immunogl	ENSG00000125.78913	-0.03931	1.123665	-0.03498

ENSG00000158293	FAM120A	family with	ENSG00000131695	6.956	-0.03609	1.034384	-0.03489
ENSG00000122980	TCF25	transcription factor	ENSG00000145464	37	-0.03147	0.903817	-0.03482
ENSG0000011431	CS	citrate synthase	ENSG00000148516	31	0.018447	0.529957	0.034809
ENSG0000018895	CPNE3	copine 3	ENSG00000116015	19	0.021654	0.622896	0.034763
ENSG0000017979	SEM1	SEM1, 26S ribosomal protein	ENSG00000136441	78	0.033941	0.978217	0.034697
ENSG00000153371	NUP54	nucleoporin 54	ENSG00000119075	61	0.044204	1.277279	0.034608
ENSG00000123644	EDC4	enhancer of DNA repression	ENSG00000124819	91	0.040492	1.170879	0.034583
ENSG00000111062	DUS4L	dihydropyrimidinase	ENSG00000175706	6	0.065518	1.907849	0.034341
ENSG00000111163	NUDT4	nudix hydrolase	ENSG00000141097	04	-0.01858	0.541497	-0.03432
ENSG0000015546	PRCC	proline rich coiled-coil	ENSG00000132647	03	0.035729	1.042123	0.034285
ENSG00000194081	SFXN1	sideroflexin	ENSG00000134508	57	0.034337	1.001837	0.034274
ENSG00000110012	LINC02035	long intergenic non-coding RNA	ENSG00000117142	24	0.046046	1.347892	0.034161
ENSG00000110210	TOPORS	TOP1 binding protein	ENSG00000126792	09	0.037849	1.108075	0.034158
ENSG00000122092	ZNF438	zinc finger protein	ENSG00000126792	09	0.037849	1.108075	0.034158
ENSG00000154987	C1orf123	chromosome 1 open reading frame 123	ENSG00000117943	18	-0.04506	1.32017	-0.03413
ENSG00000180218	NAA50	N(alpha)-acetylserine	ENSG00000180929	61	-0.02568	0.754547	-0.03403
ENSG00000140114	CCSER1	coiled-coil serine repeat domain	ENSG00000129756	12	-0.03616	1.063023	-0.03402
ENSG00000183892	KCTD10	potassium channel tetramerization domain 10	ENSG00000149359	69	-0.03053	0.898481	-0.03398
ENSG00000119969	ZNF627	zinc finger protein	ENSG00000110029	23	-0.05669	1.687811	-0.03359
ENSG0000014327	MMP19	matrix metalloproteinase 19	ENSG00000180081	23	-0.06236	1.882976	-0.03312
ENSG0000011728	NQO1	NAD(P)H dehydrogenase	ENSG00000111437	07	0.053011	1.601537	0.0331
ENSG00000179664	ICE2	interactor of caspase	ENSG00000145441	75	-0.02977	0.900952	-0.03304
ENSG0000018815	BANF1	barrier to ALP	ENSG00000117181	38	0.043771	1.328431	0.032949
ENSG0000017574	ZNF26	zinc finger protein	ENSG00000117181	38	0.043771	1.328431	0.032949
ENSG00000154762	GRAMD1C	GRAM domain containing	ENSG00000140738	33	-0.08505	2.5911	-0.03282
ENSG00000153358	SHC3	SHC adaptor protein	ENSG00000140738	33	-0.08505	2.5911	-0.03282
ENSG00000121954	TMEM218	transmembrane protein	ENSG00000140738	33	-0.08505	2.5911	-0.03282
ENSG00000179157	MFSD11	major facilitator superfamily domain containing 11	ENSG00000123810	67	-0.03782	1.158391	-0.03265
ENSG00000111021	RAB35	RAB35, membrane associated	ENSG00000124897	86	0.036998	1.136751	0.032547
ENSG00000157190	SELENON	selenoprotein	ENSG00000157232	06	-0.02684	0.830019	-0.03234
ENSG00000184447	SYVN1	synoviolin	ENSG00000125766	51	-0.03613	1.120972	-0.03223
ENSG00000115506	ATP6V0E2	ATPase H+ transporting	ENSG00000140369	79	0.030142	0.938863	0.032105
ENSG00000151	ACOX1	acyl-CoA oxidase	ENSG00000119708	02	0.019129	0.596242	0.032083
ENSG00000102300			ENSG00000113313	49	0.048268	1.505632	0.032058
ENSG00000191869	RFT1	RFT1 homolog	ENSG00000111958	76	-0.05005	1.561578	-0.03205
ENSG0000015316	PKNOX1	PBX/knotter	ENSG00000111958	76	-0.05005	1.561578	-0.03205
ENSG0000014851	NOTCH1	notch 1	ENSG00000135584	64	-0.03148	0.988223	-0.03186
ENSG00000179657	RPAP3	RNA polymerase	ENSG00000127722	34	-0.03465	1.088847	-0.03183
ENSG0000011387	CREBBP	CREB binding protein	ENSG00000116321	41	-0.02017	0.636589	-0.03169
ENSG0000012029	ENSA	endosulfine	ENSG00000116615	26	0.019378	0.617457	0.031383
ENSG00000111842	UBE2J2	ubiquitin conjugating enzyme	ENSG00000117220	35	0.041628	1.326682	0.031378
ENSG00000123613	ZMYND8	zinc finger protein	ENSG00000173005	71	-0.02452	0.782149	-0.03135
ENSG00000151340	CRNKL1	crooked neck	ENSG00000143463	29	-0.02866	0.915186	-0.03131
ENSG00000111236	RNF139	ring finger protein	ENSG00000124936	83	0.0354	1.134518	0.031202
ENSG00000114768	ZNF418	zinc finger protein	ENSG00000117865	23	-0.04081	1.309792	-0.03116
ENSG0000019620	CELSR1	cadherin E	ENSG00000123771	17	-0.03616	1.161024	-0.03115
ENSG0000017799	PRDM2	PR/SET domain	ENSG00000110823	33	-0.02137	0.687878	-0.03107

ENSG000001286	ANK1	ankyrin 1	ENSG0000015735905	-0.02773	0.892986	-0.03106
ENSG000001151254	C2CD6	C2 calcium	ENSG0000019963956	-0.05315	1.716593	-0.03096
ENSG00000183982	IFI27L2	interferon	ENSG0000019963956	-0.05315	1.716593	-0.03096
ENSG000001167153	TENT2	terminal n	ENSG0000015779756	0.025576	0.826597	0.030941
ENSG00000110933	MORF4L1	mortality f	ENSG0000012064223	-0.01826	0.591988	-0.03084
ENSG00000155773	TBC1D23	TBC1 dom	ENSG0000014420351	0.028323	0.921585	0.030733
ENSG000001440138	ALG11	ALG11, alp	ENSG0000011335393	0.045474	1.481201	0.030701
ENSG0000017936	NELFE	negative el	ENSG0000012572753	-0.03456	1.126511	-0.03068
ENSG0000016856	SYPL1	synaptoph	ENSG0000018280122	-0.023	0.750062	-0.03067
ENSG00000157678	GPAM	glycerol-3-	ENSG0000015009743	0.026771	0.876917	0.030529
ENSG00000190102	PHLDB2	pleckstrin f	ENSG0000012359521	-0.01806	0.591762	-0.03053
ENSG0000015298	PI4KB	phosphatic	ENSG0000016307694	-0.02443	0.803604	-0.0304
ENSG00000179634	SCRN3	secernin 3	ENSG0000013077542	0.032287	1.065004	0.030317
ENSG0000019179	AP4M1	adaptor rel	ENSG0000014034861	-0.07753	2.560481	-0.03028
ENSG0000017988	ZNF212	zinc finger	ENSG0000014034861	-0.07753	2.560481	-0.03028
ENSG0000016674	SPAG1	sperm assc	ENSG0000014034861	-0.07753	2.560481	-0.03028
ENSG000001256281	NUDT14	nudix hydr	ENSG0000014034861	-0.07753	2.560481	-0.03028
ENSG000001653479	MRPL45P2	mitochond	ENSG0000014034861	-0.07753	2.560481	-0.03028
ENSG000001115106	HAUS1	HAUS augr	ENSG0000014034861	-0.07753	2.560481	-0.03028
ENSG0000016611	SMS	spermine s	ENSG0000013956797	-0.02926	0.966881	-0.03026
ENSG00000123408	SIRT5	sirtuin 5	ENSG0000016560206	0.025156	0.836525	0.030071
ENSG00000154881	TEX10	testis expr	ENSG0000013165035	-0.03099	1.033414	-0.02998
ENSG000001221184	CPNE2	copine 2	ENSG0000011987638	-0.03806	1.270959	-0.02995
ENSG000001116224	FAM122A	family with	ENSG0000012690901	0.033237	1.112672	0.029872
ENSG00000179016	DDA1	DET1 and C	ENSG0000012183222	-0.03604	1.212595	-0.02972
ENSG000001150465	TTL	tubulin tyr	ENSG0000011101299	0.02069	0.700592	0.029533
ENSG000001127687	C1orf122	chromosom	ENSG0000018024471	-0.05572	1.891812	-0.02945
ENSG00000129070	CCDC113	coiled-coil	ENSG0000018024471	-0.05572	1.891812	-0.02945
ENSG00000110090	UST	uronyl 2-s	ENSG0000011191979	-0.04688	1.594624	-0.0294
ENSG000001100505876	CEBPZOS	CEBPZ opp	ENSG0000013757317	-0.02875	0.979073	-0.02936
ENSG000001201895	SMIM14	small integ	ENSG00000139529	-0.02805	0.956107	-0.02934
ENSG000001581	BAX	BCL2 assoc	ENSG0000017554313	0.058779	2.004426	0.029325
ENSG0000014817	NIT1	nitrilase 1	ENSG0000012574388	-0.03293	1.123565	-0.02931
ENSG0000016838	SURF6	surfeit 6	ENSG0000012689266	0.03169	1.099746	0.028815
ENSG00000126130	GAPVD1	GTPase act	ENSG0000011199394	-0.01921	0.667233	-0.02879
ENSG0000011353	COX11	cytochrom	ENSG0000013161138	-0.02966	1.03305	-0.02871
ENSG000001122773	KLHDC1	kelch dom	ENSG000001114597	0.045288	1.584149	0.028588
ENSG0000018079	MLF2	myeloid le	ENSG0000017094931	-0.02228	0.78398	-0.02842
ENSG00000155006	TRMT61B	tRNA meth	ENSG0000019526493	0.048608	1.720129	0.028258
ENSG000001219348	PLAC9	placenta sp	ENSG0000019526493	0.048608	1.720129	0.028258
ENSG000001169981	SPIN3	spindlin fa	ENSG0000019526493	0.048608	1.720129	0.028258
ENSG000001100131017	ZNF316	zinc finger	ENSG0000011527079	0.040221	1.42682	0.028189
ENSG00000126065	LSM14A	LSM14A, nr	ENSG0000011003821	0.019834	0.7057	0.028106
ENSG00000110050812C	GMDS-DT	GMDS dive	ENSG0000011588677	-0.03855	1.37746	-0.02798
ENSG00000151343	FZR1	fizzy and c	ENSG0000011588677	-0.03855	1.37746	-0.02798
ENSG0000019675	TTI1	TELO2 inte	ENSG0000012570491	-0.03137	1.122259	-0.02795
ENSG0000014005	LMO2	LIM domai	ENSG0000017593286	0.053521	1.915686	0.027939

ENSG00000125840	METTL7A	methyltran	ENSG00000125840	88.49896	-0.02249	0.806341	-0.0279
ENSG0000016228	RPS23	ribosomal	ENSG0000016228	64.97117	-0.02218	0.796659	-0.02784
ENSG000001168850	ZNF800	zinc finger	ENSG000001168850	32.71491	0.028325	1.017959	0.027825
ENSG00000183448	PUS7L	pseudouric	ENSG00000183448	28.86484	0.029935	1.076368	0.027811
ENSG00000155596	ZCCHC8	zinc finger	ENSG00000155596	21.73792	-0.03422	1.234262	-0.02772
ENSG00000163897	HEATR6	HEAT repe	ENSG00000163897	17.84261	-0.03609	1.307753	-0.02759
ENSG00000155178	MRM3	mitochond	ENSG00000155178	7.985498	-0.0515	1.867627	-0.02758
ENSG0000016722	SRF	serum res	ENSG0000016722	71.42051	0.021227	0.771268	0.027522
ENSG0000018861	LDB1	LIM domai	ENSG0000018861	59.83134	0.02262	0.821993	0.027518
ENSG0000018394	PIP5K1A	phosphatic	ENSG0000018394	61.07585	-0.0223	0.814521	-0.02738
ENSG00000123759	PPIL2	peptidylpr	ENSG00000123759	30.7817	0.028415	1.042004	0.02727
ENSG0000012962	GTF2F1	general tra	ENSG0000012962	37.49522	-0.02635	0.966827	-0.02726
ENSG0000011977	EIF4E	eukaryotic	ENSG0000011977	31.57241	-0.02831	1.039101	-0.02724
ENSG0000019709	HERPUD1	homocyste	ENSG0000019709	88.52917	-0.01969	0.723811	-0.0272
ENSG00000155239	OGFOD1	2-oxogluta	ENSG00000155239	34.63177	0.027113	0.997625	0.027177
ENSG0000015264	PHYH	phytanoyl-	ENSG0000015264	83.08135	0.02013	0.742215	0.027122
ENSG00000155213	RCBTB1	RCC1 and E	ENSG00000155213	38.53716	0.02593	0.95735	0.027085
ENSG00000184811	BUD13	BUD13 hor	ENSG00000184811	9.924983	-0.04863	1.799871	-0.02702
ENSG00000123324	MAN2B2	mannosida	ENSG00000123324	43.36272	-0.02476	0.916666	-0.02701
ENSG00000180199	FUZ	fuzzy plana	ENSG00000180199	5.990693	-0.05753	2.147412	-0.02679
ENSG000001254251	LCORL	ligand dep	ENSG000001254251	23.7101	-0.03101	1.16407	-0.02664
ENSG00000125956	SEC31B	SEC31 hor	ENSG00000125956	19.21515	0.033736	1.273365	0.026494
ENSG00000184934	RITA1	RBPJ inter	ENSG00000184934	9.941331	-0.04461	1.694154	-0.02633
ENSG0000019470	EIF4E2	eukaryotic	ENSG0000019470	39.39573	-0.02544	0.966799	-0.02631
ENSG0000010268575			ENSG0000010268575	3.765844	0.069391	2.641006	0.026274
ENSG000001164091	PAQR7	progester	ENSG000001164091	3.765844	0.069391	2.641006	0.026274
ENSG000001339559	ZFP69	ZFP69 zinc	ENSG000001339559	3.765844	0.069391	2.641006	0.026274
ENSG000001166815	TIGD2	tigger tran	ENSG000001166815	3.765844	0.069391	2.641006	0.026274
ENSG000001435	ASL	argininosu	ENSG000001435	3.765844	0.069391	2.641006	0.026274
ENSG0000015687	PSMA6	proteasom	ENSG0000015687	3.765844	0.069391	2.641006	0.026274
ENSG00000154039	PCBP3	poly(rC) bi	ENSG00000154039	3.765844	0.069391	2.641006	0.026274
ENSG00000129967	LRP12	LDL recept	ENSG00000129967	34.67074	0.02587	0.994774	0.026006
ENSG0000011780	DYNC111	dynein cyt	ENSG0000011780	49.35721	-0.02394	0.920623	-0.026
ENSG0000012824	GPM6B	glycoprote	ENSG0000012824	17.28195	0.034448	1.327145	0.025956
ENSG00000155907	CMAS	cytidine m	ENSG00000155907	19.15983	0.033346	1.286485	0.02592
ENSG000001153364	MBLAC2	metallo-be	ENSG000001153364	7.632258	0.049307	1.906	0.025869
ENSG000001863	CBFA2T3	CBFA2/RUI	ENSG000001863	7.632258	0.049307	1.906	0.025869
ENSG00000155248	TMEM206	transmem	ENSG00000155248	5.699051	0.056086	2.170873	0.025836
ENSG0000010272645			ENSG0000010272645	5.699051	0.056086	2.170873	0.025836
ENSG000001285154	CYP11B1-AS	CYP11B1 an	ENSG000001285154	5.699051	0.056086	2.170873	0.025836
ENSG00000180775	TMEM177	transmem	ENSG00000180775	5.699051	0.056086	2.170873	0.025836
ENSG000001122525	C14orf28	chromosom	ENSG000001122525	5.699051	0.056086	2.170873	0.025836
ENSG00000164582	GPR135	G protein-c	ENSG00000164582	5.699051	0.056086	2.170873	0.025836
ENSG000001128439	SNHG11	small nucle	ENSG000001128439	5.699051	0.056086	2.170873	0.025836
ENSG00000123450	SF3B3	splicing fac	ENSG00000123450	137.2061	0.017196	0.666121	0.025815
ENSG00000184450	ZNF512	zinc finger	ENSG00000184450	21.13201	0.030952	1.215081	0.025473
ENSG00000192	ACVR2A	activin A re	ENSG00000192	21.13201	0.030952	1.215081	0.025473

ENSG0000019777	TM9SF4	transmembrane	ENSG0000019777	57.08624	-0.02115	0.83069	-0.02547
ENSG00000164395	GMCL1	germ cell-like	ENSG00000164395	11.89716	-0.03991	1.568929	-0.02544
ENSG0000017001	PRDX2	peroxiredoxin	ENSG0000017001	147.3349	-0.01623	0.638447	-0.02542
ENSG0000014176	MCM7	minichromosome	ENSG0000014176	23.0099	0.03074	1.210406	0.025397
ENSG000001101930085	LOC101930085	uncharacterized	ENSG000001101930085	13.94729	-0.03915	1.547596	-0.0253
ENSG000001162073	ITPRIPL2	ITPRIP like	ENSG000001162073	47.30708	-0.02257	0.894064	-0.02525
ENSG00000126060	APPL1	adaptor protein	ENSG00000126060	116.0162	0.016961	0.672589	0.025218
ENSG0000019972	NUP153	nucleoporin	ENSG0000019972	84.55591	-0.0185	0.734431	-0.02519
ENSG00000156257	MEPCE	methylphosphatase	ENSG00000156257	24.98208	0.028674	1.140438	0.025143
ENSG00000151100	SH3GLB1	SH3 domain	ENSG00000151100	227.6548	-0.0145	0.582118	-0.02491
ENSG0000013621	ING1	inhibitor of	ENSG0000013621	7.946525	-0.04724	1.900742	-0.02485
ENSG00000181839	VANGL1	VANGL1 protein	ENSG00000181839	23.10419	0.028959	1.177723	0.024589
ENSG000001222068	TMED4	transmembrane	ENSG000001222068	52.12114	0.02074	0.856451	0.024216
ENSG0000011917	EEF1A2	eukaryotic	ENSG0000011917	441.292	-0.01302	0.538109	-0.0242
ENSG00000123179	RGL1	regulator of	ENSG00000123179	58.95406	-0.02102	0.870303	-0.02415
ENSG0000019878	TOX4	TOX high	ENSG0000019878	88.98782	0.017309	0.72661	0.023821
ENSG0000016442	SGCA	sarcoglycan	ENSG0000016442	37.48895	-0.02338	0.986823	-0.02369
ENSG0000017428	VHL	von Hippel	ENSG0000017428	25.64331	-0.0266	1.124006	-0.02366
ENSG0000012879	GPX4	glutathione	ENSG0000012879	81.21602	0.017332	0.741414	0.023377
ENSG00000150937	CDON	cell adhesion	ENSG00000150937	25.69863	-0.02666	1.145186	-0.02328
ENSG0000010243175			ENSG0000010243175	3.804817	0.061684	2.650072	0.023277
ENSG00000153841	CDHR5	cadherin re	ENSG00000153841	3.804817	0.061684	2.650072	0.023277
ENSG000001126299	ZNF428	zinc finger	ENSG000001126299	3.804817	0.061684	2.650072	0.023277
ENSG0000019819	TSC22D2	TSC22 dom	ENSG0000019819	50.2596	0.020706	0.889992	0.023266
ENSG000001259282	BOD1L1	biorientati	ENSG000001259282	162.5904	0.014466	0.625494	0.023127
ENSG000001166968	MIER3	MIER famil	ENSG000001166968	26.93791	0.025528	1.109792	0.023002
ENSG00000110565	ARFGEF1	ADP ribosy	ENSG00000110565	123.6764	-0.01519	0.661209	-0.02297
ENSG0000013030	HADHA	hydroxyacy	ENSG0000013030	633.0077	-0.01167	0.511362	-0.02283
ENSG00000125844	YIPF3	Yip1 domai	ENSG00000125844	39.4058	-0.02176	0.953616	-0.02282
ENSG000001344838	PAQR9	progesterin	ENSG000001344838	5.738024	0.050326	2.220596	0.022663
ENSG00000126953	RANBP6	RAN bindin	ENSG00000126953	48.31004	0.020008	0.883929	0.022635
ENSG000001339123	JMJD8	jumonji do	ENSG000001339123	9.549118	0.039329	1.738156	0.022627
ENSG0000016878	TAF6	TATA-box b	ENSG0000016878	13.86934	-0.03292	1.463793	-0.02249
ENSG000001284439	SLC25A42	solute carr	ENSG000001284439	13.86934	-0.03292	1.463793	-0.02249
ENSG0000011117	CHI3L2	chitinase 3	ENSG0000011117	3.995888	-0.06595	2.934873	-0.02247
ENSG00000179939	SLC35E1	solute carr	ENSG00000179939	31.52715	-0.02319	1.033631	-0.02244
ENSG00000151084	CRYL1	crystallin l	ENSG00000151084	15.82518	-0.03087	1.377665	-0.02241
ENSG00000110428	CFDP1	craniofacia	ENSG00000110428	19.18246	0.029172	1.309886	0.022271
ENSG0000015498	PPOX	protoporph	ENSG0000015498	6.007041	-0.04849	2.190325	-0.02214
ENSG0000011742	DLG4	discs large	ENSG0000011742	21.22631	0.028563	1.293316	0.022085
ENSG00000110747	MASP2	mannan bi	ENSG00000110747	2.01743	-0.07776	3.523818	-0.02207
ENSG000001100271715	ARHGEF33	Rho guanir	ENSG000001100271715	2.01743	-0.07776	3.523818	-0.02207
ENSG00000190342	FER1L5	fer-1 like f	ENSG00000190342	2.01743	-0.07776	3.523818	-0.02207
ENSG0000010224007			ENSG0000010224007	2.01743	-0.07776	3.523818	-0.02207
ENSG000001130399	ACVR1C	activin A re	ENSG000001130399	2.01743	-0.07776	3.523818	-0.02207
ENSG0000010224618			ENSG0000010224618	2.01743	-0.07776	3.523818	-0.02207
ENSG00000155152	DALRD3	DALR antic	ENSG00000155152	2.01743	-0.07776	3.523818	-0.02207

ENSG00000100775	107	RBM5-AS1	RBM5 antisense intron 1	ENSG00000100775	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102616	43			ENSG00000102616	2.01743	-0.07776	3.523818	-0.02207
ENSG0000010468		FST	follistatin	ENSG0000010468	2.01743	-0.07776	3.523818	-0.02207
ENSG00000106086				ENSG00000106086	2.01743	-0.07776	3.523818	-0.02207
ENSG00000103137		HLA-J	major histocompatibility class II	ENSG00000103137	2.01743	-0.07776	3.523818	-0.02207
ENSG0000010842		PPP1R17	protein phosphatase 1 regulatory subunit 17	ENSG0000010842	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102740				ENSG00000102740	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102743				ENSG00000102743	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102896		TCAF2	TRPM8 channel complex subunit 2	ENSG00000102896	2.01743	-0.07776	3.523818	-0.02207
ENSG00000107516		XRCC2	X-ray repair cross-complementing protein 2	ENSG00000107516	2.01743	-0.07776	3.523818	-0.02207
ENSG00000106927		ZNF596	zinc finger protein 596	ENSG00000106927	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102321				ENSG00000102321	2.01743	-0.07776	3.523818	-0.02207
ENSG00000104457		NUTM2G	NUT family domain containing 2G	ENSG00000104457	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102302				ENSG00000102302	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102265				ENSG00000102265	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102749		GLUD1P3	glutamate dehydrogenase-like protein 3	ENSG00000102749	2.01743	-0.07776	3.523818	-0.02207
ENSG00000106536		TSSC2	tumor suppressor 2	ENSG00000106536	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102789				ENSG00000102789	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102544				ENSG00000102544	2.01743	-0.07776	3.523818	-0.02207
ENSG00000101789				ENSG00000101789	2.01743	-0.07776	3.523818	-0.02207
ENSG00000104493		HNRNPA1L	heterogeneous nuclear ribonucleoprotein A1-like	ENSG00000104493	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102776				ENSG00000102776	2.01743	-0.07776	3.523818	-0.02207
ENSG00000100126	336	MIR208B	microRNA 208b	ENSG00000100126	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102053	4			ENSG00000102053	2.01743	-0.07776	3.523818	-0.02207
ENSG00000102645				ENSG00000102645	2.01743	-0.07776	3.523818	-0.02207
ENSG00000108541		PPFIA3	PTPRF interacting protein 3	ENSG00000108541	2.01743	-0.07776	3.523818	-0.02207
ENSG00000100534	593	STX16-NPE	STX16-NPE	ENSG00000100534	2.01743	-0.07776	3.523818	-0.02207
ENSG00000101927	574	LINC01186	long intergenic non-coding RNA 1186	ENSG00000101927	2.01743	-0.07776	3.523818	-0.02207
ENSG00000101080		CYSLTR1	cysteinyl leukotrien synthase 1	ENSG00000101080	2.01743	-0.07776	3.523818	-0.02207
ENSG00000108269		TMEM187	transmembrane protein 187	ENSG00000108269	2.01743	-0.07776	3.523818	-0.02207
ENSG00000105493		ADPRHL2	ADP-ribosylation factor-like protein 2	ENSG00000105493	11.5213	0.034563	1.583398	0.021828
ENSG00000103559		IL2RA	interleukin 2 receptor subunit alpha	ENSG00000103559	5.95172	-0.0501	2.317514	-0.02162
ENSG00000102923		NALCN	sodium leak channel non-selective	ENSG00000102923	19.79216	-0.02782	1.289216	-0.02158
ENSG00000105461		CCNJ	cyclin J	ENSG00000105461	7.962873	-0.04051	1.886372	-0.02147
ENSG00000102235				ENSG00000102235	4.012235	-0.0552	2.580471	-0.02139
ENSG00000106782		SNORA47	small nucleolar RNA 47	ENSG00000106782	4.012235	-0.0552	2.580471	-0.02139
ENSG00000108294		HIST1H4I	histone H4.1 isoform I	ENSG00000108294	4.012235	-0.0552	2.580471	-0.02139
ENSG00000104925		BDNF-AS	BDNF antisense intron 1	ENSG00000104925	4.012235	-0.0552	2.580471	-0.02139
ENSG00000100506	606	SMG1P7	SMG1 pseudosubstrate 7	ENSG00000100506	4.012235	-0.0552	2.580471	-0.02139
ENSG00000109884		LRRC37A	leucine rich repeat domain 37A	ENSG00000109884	4.012235	-0.0552	2.580471	-0.02139
ENSG00000101344		SMIM12	small integral membrane protein 12	ENSG00000101344	40.53824	0.019993	0.939911	0.021271
ENSG00000102201		ITGA11	integrin subunit alpha 11	ENSG00000102201	50.31492	0.019825	0.934103	0.021224
ENSG00000101777		DNASE2	deoxyribose phosphorylase 2	ENSG00000101777	9.918705	-0.03582	1.696002	-0.02112
ENSG00000102317		ABRAXAS2	abraxas 2, cyclin dependent kinase 10	ENSG00000102317	19.22143	0.026874	1.279637	0.021001
ENSG00000106199		RPS6KB2	ribosomal protein S6 kinase 2	ENSG00000106199	11.87454	-0.03266	1.561909	-0.02091
ENSG0000010905		CCNT2	cyclin T2	ENSG0000010905	50.24953	0.018044	0.867805	0.020793
ENSG00000109570		GOSR2	golgi SNAP receptor complex member 2	ENSG00000109570	13.83037	-0.03035	1.461312	-0.02077



ENSG0000015826	ABCD4	ATP bindin	ENSG0000015826	19.68152	-0.02749	1.32619	-0.02073
ENSG00000126278	SACS	sacs in mol	ENSG00000126278	107.8637	-0.01433	0.692813	-0.02068
ENSG0000012987	GUK1	guanylate l	ENSG0000012987	39.32786	-0.0195	0.949743	-0.02053
ENSG000001113612	CYP2U1	cytochrom	ENSG000001113612	21.6537	-0.02491	1.222832	-0.02037
ENSG00000111159	RABL2A	RAB, meml	ENSG00000111159	5.968068	-0.04275	2.13277	-0.02004
ENSG000001100506606	LOC100506606	uncharacte	ENSG000001100506606	5.968068	-0.04275	2.13277	-0.02004
ENSG000001124152	IQCK	IQ motif cc	ENSG000001124152	5.968068	-0.04275	2.13277	-0.02004
ENSG00000110950	BTG3	BTG anti-pi	ENSG00000110950	5.968068	-0.04275	2.13277	-0.02004
ENSG0000012091	FBL	fibrillar in	ENSG0000012091	17.28822	0.026822	1.352854	0.019826
ENSG00000123095	KIF1B	kinesin far	ENSG00000123095	294.0451	-0.01147	0.581389	-0.01973
ENSG00000184967	LSM10	LSM10, U7	ENSG00000184967	7.654883	0.03743	1.902671	0.019673
ENSG0000018793	TNFRSF10	TNF recept	ENSG0000018793	7.654883	0.03743	1.902671	0.019673
ENSG000001100128893	GATA6-AS1	GATA6 ant	ENSG000001100128893	7.654883	0.03743	1.902671	0.019673
ENSG0000012673	GFPT1	glutamine-	ENSG0000012673	108.4292	0.013478	0.689596	0.019545
ENSG00000155163	PNPO	pyridoxam	ENSG00000155163	11.56027	0.031323	1.613561	0.019412
ENSG000001151393	RMDN2	regulator c	ENSG000001151393	7.9239	-0.03637	1.874821	-0.0194
ENSG00000110123	ARL4C	ADP ribosy	ENSG00000110123	7.9239	-0.03637	1.874821	-0.0194
ENSG0000018036	SHOC2	SHOC2, leu	ENSG0000018036	81.35557	0.014455	0.745189	0.019397
ENSG0000017284	TUFM	Tu translat	ENSG0000017284	159.017	0.012359	0.644297	0.019182
ENSG0000015862	RAB2A	RAB2A, me	ENSG0000015862	121.6464	-0.01294	0.677621	-0.0191
ENSG000001166614	DCLK2	doublecort	ENSG000001166614	21.67005	-0.02295	1.203656	-0.01907
ENSG0000017570	ZNF22	zinc finger	ENSG0000017570	9.879733	-0.03242	1.702677	-0.01904
ENSG000001114659	LRRC37B	leucine ric	ENSG000001114659	9.879733	-0.03242	1.702677	-0.01904
ENSG0000011740	DLG2	discs large	ENSG0000011740	23.6812	-0.02238	1.190072	-0.01881
ENSG00000155028	C17orf80	chromosom	ENSG00000155028	34.79394	0.018695	0.994332	0.018802
ENSG0000014720	NDUFS2	NADH:ubiq	ENSG0000014720	215.3288	0.011375	0.608939	0.01868
ENSG000001152992	TRMT44	tRNA meth	ENSG000001152992	11.50495	0.030051	1.609697	0.018669
ENSG00000184693	MCEE	methylmal	ENSG00000184693	17.75838	-0.02448	1.313944	-0.01863
ENSG00000194097	SFXN5	sideroflexi	ENSG00000194097	17.75838	-0.02448	1.313944	-0.01863
ENSG000001966	CD59	CD59 mole	ENSG000001966	620.5737	-0.00965	0.519756	-0.01856
ENSG00000123376	UFL1	UFM1 spec	ENSG00000123376	55.03991	-0.01594	0.85905	-0.01855
ENSG00000129922	NME7	NME/NM2	ENSG00000129922	9.627063	0.032165	1.736764	0.01852
ENSG0000014800	NFYA	nuclear tra	ENSG0000014800	23.14944	0.021658	1.170488	0.018503
ENSG0000019778	KIAA0232	KIAA0232	ENSG0000019778	256.7246	-0.01084	0.588142	-0.01842
ENSG000001159371	SLC35G1	solute carr	ENSG000001159371	3.973263	-0.04776	2.592523	-0.01842
ENSG0000018914	TIMELESS	timeless ci	ENSG0000018914	3.973263	-0.04776	2.592523	-0.01842
ENSG00000126063	DECR2	2,4-dienoy	ENSG00000126063	3.973263	-0.04776	2.592523	-0.01842
ENSG000001113026	PLCD3	phospholip	ENSG000001113026	48.39426	0.015795	0.880985	0.017929
ENSG00000155500	ETNK1	ethanolam	ENSG00000155500	47.08959	-0.01597	0.896433	-0.01781
ENSG0000019695	EDEM1	ER degrad	ENSG0000019695	42.5167	0.016575	0.930775	0.017808
ENSG000001125228	FAM210A	family with	ENSG000001125228	46.5101	0.016845	0.954881	0.017641
ENSG0000017353	UFD1	ubiquitin r	ENSG0000017353	21.63107	-0.02115	1.210529	-0.01747
ENSG00000164779	MTHFSD	methenyltr	ENSG00000164779	7.693856	0.033233	1.907363	0.017424
ENSG000001115098	CCDC124	coiled-coil	ENSG000001115098	7.693856	0.033233	1.907363	0.017424
ENSG000001388523	ZNF728	zinc finger	ENSG000001388523	7.693856	0.033233	1.907363	0.017424
ENSG0000019789	SPCS2	signal pept	ENSG0000019789	19.67524	-0.02172	1.256452	-0.01729
ENSG00000155171	TBCCD1	TBCC dom	ENSG00000155171	5.929095	-0.03731	2.173711	-0.01716

ENSG0000019746	CLSTN3	calsyntenin	ENSG0000019746	15.39399	0.024039	1.40774	0.017076
ENSG00000126127	FGFR1OP2	FGFR1 oncogene	ENSG00000126127	45.15011	-0.01536	0.901906	-0.01703
ENSG00000110205	MPZL2	myelin protein zero	ENSG00000110205	11.54392	0.026875	1.580453	0.017005
ENSG00000110455	ECI2	enoyl-CoA hydratase	ENSG00000110455	51.03395	-0.01464	0.863907	-0.01695
ENSG0000015495	PPM1B	protein phosphatase 1B	ENSG0000015495	77.49543	0.012744	0.752763	0.016929
ENSG0000012483	FRG1	FSHD region 1	ENSG0000012483	15.76358	-0.02316	1.378832	-0.01679
ENSG0000011915	EEF1A1	eukaryotic translation initiation factor 1A1	ENSG0000011915	1469.247	0.008965	0.53508	0.016755
ENSG00000111140	CDC37	cell division cycle 37	ENSG00000111140	89.1789	0.012024	0.721874	0.016657
ENSG00000126088	GGA1	golgi associated protein 1	ENSG00000126088	32.84438	0.01706	1.024725	0.016648
ENSG000001552	AVPR1A	arginine vasopressin receptor 1A	ENSG000001552	7.884928	-0.03189	1.923744	-0.01658
ENSG00000110590	SCGN	secretagogin	ENSG00000110590	3.788469	0.049019	2.985613	0.016419
ENSG000001120114	FAT3	FAT atypical 3	ENSG000001120114	3.788469	0.049019	2.985613	0.016419
ENSG0000010211899			ENSG0000010211899	3.788469	0.049019	2.985613	0.016419
ENSG0000013155	HMGCL	3-hydroxy-3-methylglutaryl-CoA lyase	ENSG0000013155	33.45408	-0.01696	1.038998	-0.01632
ENSG0000019391	CIAO1	cytosolic inositol 1,4,5-bisphosphate 3-kinase A	ENSG0000019391	73.64536	0.01241	0.763975	0.016244
ENSG00000180256	FAM214B	family with sequence similarity 214B	ENSG00000180256	25.61441	-0.01878	1.159595	-0.01619
ENSG00000184131	CEP78	centrosomal protein of 78 kDa	ENSG00000184131	11.85191	-0.02537	1.57299	-0.01613
ENSG0000014093	SMAD9	SMAD family member 9	ENSG0000014093	11.85191	-0.02537	1.57299	-0.01613
ENSG000001168455	CCDC71L	coiled-coil domain containing 71L	ENSG000001168455	17.31085	0.022293	1.383888	0.016109
ENSG000001148523	CIART	circadian rhythm associated	ENSG000001148523	5.760649	0.034724	2.164166	0.016045
ENSG0000014350	MPG	N-methylphosphatase	ENSG0000014350	5.760649	0.034724	2.164166	0.016045
ENSG000001147040	KCTD11	potassium channel tetramerization domain containing 11	ENSG000001147040	5.760649	0.034724	2.164166	0.016045
ENSG0000010276855			ENSG0000010276855	5.760649	0.034724	2.164166	0.016045
ENSG000001253943	YTHDF3	YTH N6-methyladenine binding protein 3	ENSG000001253943	128.0303	0.010462	0.655	0.015973
ENSG00000180145	THOC7	THO complex subunit 7	ENSG00000180145	29.06598	0.017919	1.122913	0.015958
ENSG0000014361	MRE11	MRE11 homolog	ENSG0000014361	28.99432	0.017053	1.069257	0.015949
ENSG00000151602	NOP58	NOP58 ribosomal protein	ENSG00000151602	33.34344	-0.01638	1.028256	-0.01593
ENSG00000151552	RAB14	RAB14, member R	ENSG00000151552	92.14292	-0.01144	0.721569	-0.01585
ENSG00000163941	NECAB3	N-terminal casein binding protein 3	ENSG00000163941	21.64742	-0.01908	1.207673	-0.0158
ENSG00000165982	ZSCAN18	zinc finger protein 18	ENSG00000165982	29.54242	-0.01736	1.115409	-0.01556
ENSG000001147339	C18orf25	chromosome 18 open reading frame 25	ENSG000001147339	76.44722	-0.01176	0.75635	-0.01555
ENSG0000013632	INPP5A	inositol polyphosphate 5-phosphatase A	ENSG0000013632	77.58972	0.011648	0.757879	0.015369
ENSG00000110667	FARS2	phenylalanine hydroxylase 2	ENSG00000110667	19.69159	-0.01939	1.261983	-0.01537
ENSG00000155466	DNAJA4	DnaJ heat shock protein 4	ENSG00000155466	68.73453	-0.01286	0.839335	-0.01532
ENSG00000122850	ADNP2	ADNP homolog 2	ENSG00000122850	17.40514	0.02016	1.330622	0.015151
ENSG00000126092	TOR1AIP1	torsin 1A interacting protein 1	ENSG00000126092	99.87196	-0.01059	0.700516	-0.01511
ENSG00000129101	SSU72	SSU72 homolog	ENSG00000129101	50.37272	0.013064	0.86674	0.015073
ENSG00000158500	ZNF250	zinc finger protein 250	ENSG00000158500	15.7246	-0.02082	1.388226	-0.015
ENSG00000184285	EIF1AD	eukaryotic translation initiation factor 1AD	ENSG00000184285	15.7246	-0.02082	1.388226	-0.015
ENSG00000155837	EAPP	E2F associated protein	ENSG00000155837	15.7246	-0.02082	1.388226	-0.015
ENSG0000019851	KIAA0753	KIAA0753	ENSG0000019851	17.73576	-0.01978	1.328584	-0.01488
ENSG0000011514	CTSL	cathepsin L	ENSG0000011514	89.09716	0.011278	0.758889	0.014861
ENSG000001401265	KLHL31	kelch like family member 31	ENSG000001401265	430.6128	-0.00835	0.562576	-0.01484
ENSG0000018165	AKAP1	A-kinase anchoring protein 1	ENSG0000018165	246.6385	0.008545	0.581297	0.0147
ENSG00000191522	COL23A1	collagen type 23 alpha 1	ENSG00000191522	13.76877	-0.02154	1.466161	-0.01469
ENSG0000017748	ZNF195	zinc finger protein 195	ENSG0000017748	13.76877	-0.02154	1.466161	-0.01469
ENSG000001283922	LOC283922	pyruvate dehydrogenase E1 beta	ENSG000001283922	13.76877	-0.02154	1.466161	-0.01469

ENSG0000016667	SP1	Sp1 transcr	ENSG000001142.8651	-0.00937	0.642429	-0.01459
ENSG00000184312	BRMS1L	BRMS1 like	ENSG00000111.81294	-0.02242	1.565538	-0.01432
ENSG000001126969	SLC44A3	solute carr	ENSG0000013.827442	0.037261	2.610236	0.014275
ENSG000001253559	CADM2	cell adhesi	ENSG0000013.827442	0.037261	2.610236	0.014275
ENSG0000010225092			ENSG0000013.827442	0.037261	2.610236	0.014275
ENSG000001442590	SPDYE5	speedy/RIP	ENSG0000013.827442	0.037261	2.610236	0.014275
ENSG0000014597	MVD	mevalonat	ENSG0000013.827442	0.037261	2.610236	0.014275
ENSG00000184292	WDR83	WD repeat	ENSG0000013.827442	0.037261	2.610236	0.014275
ENSG000001598	BCL2L1	BCL2 like 1	ENSG00000152.32855	0.012045	0.855532	0.014078
ENSG0000016197	RPS6KA3	ribosomal	ENSG000001101.8215	-0.00978	0.695259	-0.01407
ENSG00000110613	ERLIN1	ER lipid raf	ENSG00000119.26668	0.018689	1.330575	0.014046
ENSG00000123583	SMUG1	single-strai	ENSG0000019.857108	-0.02356	1.697513	-0.01388
ENSG000001100507495	SDCBP2-AS	SDCBP2 an	ENSG0000019.857108	-0.02356	1.697513	-0.01388
ENSG00000157534	MIB1	mindbomb	ENSG00000195.93767	-0.00977	0.706782	-0.01382
ENSG00000154532	USP53	ubiquitin s	ENSG000001174.744	0.008357	0.610614	0.013687
ENSG00000184146	ZNF644	zinc finger	ENSG00000188.08164	-0.00989	0.727717	-0.01359
ENSG00000190121	TSR2	TSR2, ribos	ENSG00000127.10008	0.014813	1.096855	0.013505
ENSG00000184988	PPP1R16A	protein ph	ENSG0000019.649689	0.023014	1.712448	0.013439
ENSG00000111173	ADAMTS7	ADAM met	ENSG0000019.649689	0.023014	1.712448	0.013439
ENSG000001126070	ZNF440	zinc finger	ENSG0000019.649689	0.023014	1.712448	0.013439
ENSG00000185364	ZCCHC3	zinc finger	ENSG0000019.649689	0.023014	1.712448	0.013439
ENSG0000018819	SAP30	Sin3A asso	ENSG0000017.677509	0.026031	1.93867	0.013427
ENSG00000179959	CEP76	centrosom	ENSG0000017.677509	0.026031	1.93867	0.013427
ENSG00000151527	GSKIP	GSK3B inte	ENSG0000017.901275	-0.02519	1.883604	-0.01337
ENSG000001146050	ZSCAN29	zinc finger	ENSG00000129.01694	0.014234	1.075491	0.013235
ENSG0000018754	ADAM9	ADAM met	ENSG000001188.3343	0.007977	0.604536	0.013195
ENSG00000157130	ATP13A1	ATPase 13	ENSG00000115.41662	0.018738	1.434273	0.013065
ENSG000001100505641	FGD5-AS1	FGD5 antis	ENSG000001120.3591	0.008574	0.665452	0.012884
ENSG00000179068	FTO	FTO, alpha	ENSG00000198.99703	0.009005	0.70037	0.012857
ENSG00000183734	ATG10	autophagy	ENSG0000015.945443	-0.02794	2.174251	-0.01285
ENSG00000126267	FBXO10	F-box prote	ENSG0000015.945443	-0.02794	2.174251	-0.01285
ENSG00000179165	LENG1	leukocyte r	ENSG0000015.799622	0.028544	2.244088	0.01272
ENSG00000155425	GPALPP1	GPALPP m	ENSG00000121.27783	0.015296	1.213721	0.012603
ENSG0000018634	RTCA	RNA 3'-ter	ENSG00000131.38133	-0.01276	1.035972	-0.01232
ENSG00000126039	SS18L1	SS18L1, nB	ENSG00000113.53873	0.018022	1.473112	0.012234
ENSG0000017697	ZNF138	zinc finger	ENSG00000111.56655	0.01936	1.597054	0.012122
ENSG0000017164	TPD52L1	TPD52 like	ENSG00000129.05591	0.012783	1.067448	0.011975
ENSG00000184792	FAM220A	family with	ENSG00000119.66896	-0.01523	1.278931	-0.01191
ENSG000001284695	ZNF326	zinc finger	ENSG00000135.25403	-0.0118	0.993349	-0.01188
ENSG00000160676	PAPPA2	pappalysin	ENSG0000011.894234	0.047255	3.983139	0.011864
ENSG0000010180385			ENSG0000011.894234	0.047255	3.983139	0.011864
ENSG0000010273356			ENSG0000011.894234	0.047255	3.983139	0.011864
ENSG0000010219470			ENSG0000011.894234	0.047255	3.983139	0.011864
ENSG0000016991	TCTE3	t-complex-	ENSG0000011.894234	0.047255	3.983139	0.011864
ENSG0000010270314			ENSG0000011.894234	0.047255	3.983139	0.011864
ENSG00000185002	FAM86B1	family with	ENSG0000011.894234	0.047255	3.983139	0.011864
ENSG000001751071	CSKMT	citrate syn	ENSG0000011.894234	0.047255	3.983139	0.011864

ENSG0000018814	CDKL1	cyclin depe	ENSG0000018814	1.894234	0.047255	3.983139	0.011864
ENSG00000164093	SMOC1	SPARC rela	ENSG00000164093	1.894234	0.047255	3.983139	0.011864
ENSG00000151333	ZNF771	zinc finger	ENSG00000151333	1.894234	0.047255	3.983139	0.011864
ENSG0000010268573			ENSG0000010268573	1.894234	0.047255	3.983139	0.011864
ENSG000001140886	PABPC5	poly(A) bin	ENSG000001140886	1.894234	0.047255	3.983139	0.011864
ENSG000001285268	ZNF621	zinc finger	ENSG000001285268	29.4255	-0.01259	1.064588	-0.01182
ENSG0000019440	MED17	mediator c	ENSG0000019440	23.54166	-0.01361	1.162783	-0.0117
ENSG00000110494	STK25	serine/thre	ENSG00000110494	47.03806	-0.01036	0.894876	-0.01158
ENSG0000018189	SYMPK	symplesin	ENSG0000018189	45.01056	-0.01054	0.912267	-0.01156
ENSG0000015245	PHB	prohibitin	ENSG0000015245	40.72303	0.010783	0.936479	0.011514
ENSG0000019703	KIAA0100	KIAA0100	ENSG0000019703	162.2877	-0.00716	0.62215	-0.0115
ENSG0000015914	RARA	retinoic aci	ENSG0000015914	15.45559	0.016044	1.400098	0.011459
ENSG000001126917	IFFO2	intermedia	ENSG000001126917	7.716481	0.021535	1.893216	0.011375
ENSG00000155650	PIGV	phosphatic	ENSG00000155650	7.716481	0.021535	1.893216	0.011375
ENSG000001339929	LPP-AS2	LPP antiser	ENSG000001339929	7.716481	0.021535	1.893216	0.011375
ENSG000001100289678	ZNF783	zinc finger	ENSG000001100289678	7.716481	0.021535	1.893216	0.011375
ENSG000001100507244	MAMDC2	MAMDC2	ENSG000001100507244	7.716481	0.021535	1.893216	0.011375
ENSG0000012184	FAH	fumarylase	ENSG0000012184	17.71313	-0.01524	1.353915	-0.01126
ENSG00000179842	ZBTB3	zinc finger	ENSG00000179842	7.862302	-0.02108	1.885109	-0.01118
ENSG0000012057	EPOR	erythropoi	ENSG0000012057	7.862302	-0.02108	1.885109	-0.01118
ENSG00000190594	ZNF439	zinc finger	ENSG00000190594	7.862302	-0.02108	1.885109	-0.01118
ENSG000001254228	CALHM5	calcium ho	ENSG000001254228	21.31681	0.013488	1.211859	0.01113
ENSG000001481	ATP1B1	ATPase Na	ENSG000001481	233.2783	0.006617	0.594524	0.01113
ENSG000001100287171	WASHC1	WASH com	ENSG000001100287171	3.866414	0.029216	2.674233	0.010925
ENSG00000151804	SIX4	SIX homeo	ENSG00000151804	3.866414	0.029216	2.674233	0.010925
ENSG00000189941	RHOT2	ras homolc	ENSG00000189941	25.45852	-0.01217	1.132233	-0.01075
ENSG00000125834	MGAT4C	MGAT4 far	ENSG00000125834	13.59405	0.017274	1.61237	0.010713
ENSG0000019532	BAG2	BCL2 assoc	ENSG0000019532	25.51384	-0.01213	1.136481	-0.01067
ENSG00000110678	B3GNT2	UDP-GlcNA	ENSG00000110678	29.09489	0.011366	1.067013	0.010652
ENSG00000111221	DUSP10	dual specif	ENSG00000111221	5.90647	-0.02248	2.141159	-0.0105
ENSG00000184100	ARL6	ADP ribosy	ENSG00000184100	5.90647	-0.02248	2.141159	-0.0105
ENSG000001285505	FAM198B	FAM198B	ENSG000001285505	5.90647	-0.02248	2.141159	-0.0105
ENSG00000156967	C14orf132	chromosom	ENSG00000156967	5.90647	-0.02248	2.141159	-0.0105
ENSG00000184926	SPRYD3	SPRY dom	ENSG00000184926	48.8996	-0.00922	0.884245	-0.01042
ENSG000001957	ENTPD5	ectonucleo	ENSG000001957	11.60552	0.016292	1.575752	0.010339
ENSG00000128988	DBNL	drebrin lik	ENSG00000128988	64.02458	0.008183	0.812641	0.01007
ENSG0000015205	ATP8B1	ATPase ph	ENSG0000015205	27.4307	-0.01087	1.092357	-0.00996
ENSG00000190933	TRIM41	tripartite r	ENSG00000190933	15.49456	0.013662	1.387693	0.009845
ENSG00000154840	APTX	aprataxin	ENSG00000154840	17.46674	0.013047	1.333621	0.009783
ENSG000001115201	ATG4A	autophagy	ENSG000001115201	17.46674	0.013047	1.333621	0.009783
ENSG0000017922	SLC39A7	solute carr	ENSG0000017922	54.32964	0.008285	0.851781	0.009727
ENSG0000010281896			ENSG0000010281896	3.950638	-0.02493	2.580935	-0.00966
ENSG00000183590	TMUB1	transmembr	ENSG00000183590	3.950638	-0.02493	2.580935	-0.00966
ENSG000001747	DAGLA	diacylglyce	ENSG000001747	3.950638	-0.02493	2.580935	-0.00966
ENSG00000180127	BBOF1	basal body	ENSG00000180127	3.950638	-0.02493	2.580935	-0.00966
ENSG000001170691	ADAMTS17	ADAM met	ENSG000001170691	3.950638	-0.02493	2.580935	-0.00966
ENSG0000010263809			ENSG0000010263809	3.950638	-0.02493	2.580935	-0.00966

ENSG00000179760	GEMIN7	gem nuclea	ENSG0000013950638	-0.02493	2.580935	-0.00966
ENSG00000155916	NXT2	nuclear tra	ENSG0000013950638	-0.02493	2.580935	-0.00966
ENSG000001196463	PLBD2	phospholip	ENSG0000013915941	-0.00913	0.951292	-0.00959
ENSG000001284900	TTC28-AS1	TTC28 anti	ENSG0000011352238	0.014365	1.499451	0.00958
ENSG0000015717	PSMD11	proteasom	ENSG0000016605208	0.007488	0.791249	0.009463
ENSG00000164968	MRPS6	mitochond	ENSG0000011566301	-0.01303	1.394938	-0.00934
ENSG00000180279	CDK5RAP3	CDK5 regul	ENSG0000012710636	0.010421	1.126853	0.009248
ENSG0000011060	CENPC	centromer	ENSG0000013910409	-0.00886	0.962	-0.00921
ENSG0000016389	SDHA	succinate c	ENSG0000015913315	0.005004	0.553047	0.009049
ENSG000001254552	NUDT8	nudix hydr	ENSG0000017755454	0.01728	1.912023	0.009038
ENSG00000190507	SCRN2	secernin 2	ENSG0000017755454	0.01728	1.912023	0.009038
ENSG00000181629	TSSK3	testis speci	ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG0000013568	IL5RA	interleukin	ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG0000010229502			ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG0000010258044			ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG000001400120	SERTM1	serine rich	ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG0000010276698			ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG000001388324	INCA1	inhibitor of	ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG0000019120	SLC16A6	solute carr	ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG000001148170	CDC42EP5	CDC42 effe	ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG0000010274414			ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG00000151282	SCAND1	SCAN dom	ENSG0000011994805	-0.03497	3.931721	-0.00889
ENSG0000013799	KIF5B	kinesin far	ENSG000001387128	0.004922	0.563668	0.008731
ENSG000001105378853	LINC02609	long interg	ENSG0000015783274	0.018954	2.172777	0.008724
ENSG000001121642	ALKBH2	alkB homo	ENSG0000015783274	0.018954	2.172777	0.008724
ENSG000001677768	SCARNA13	small Cajal	ENSG0000015783274	0.018954	2.172777	0.008724
ENSG00000123098	SARM1	sterile alph	ENSG0000015783274	0.018954	2.172777	0.008724
ENSG00000129763	PACSIN3	protein kin	ENSG0000017627877	-0.00654	0.759481	-0.00861
ENSG0000015331	PLCB3	phospholip	ENSG0000011370717	-0.01267	1.472327	-0.00861
ENSG0000013455	IFNAR2	interferon	ENSG0000011370717	-0.01267	1.472327	-0.00861
ENSG00000154838	WBP1L	WW doma	ENSG0000016257787	-0.00689	0.805357	-0.00856
ENSG0000015507	PPP1R3C	protein ph	ENSG0000011420217	0.006816	0.81954	0.008316
ENSG0000010230163			ENSG0000011933207	0.0302	3.643465	0.008289
ENSG000001257044	CATSPERE	catsper cha	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG00000184696	ABHD1	abhydrolas	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG00000151239	ANKRD39	ankyrin re	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG00000110192913C	LOC10192913C	uncharacte	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG000001150159	SLC9B1	solute carr	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG000001653238	GTF2H2B	general tra	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG000001256355	RPS2P32	ribosomal	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG0000010275160			ENSG0000011933207	0.0302	3.643465	0.008289
ENSG000001283310	OTOGL	otogelin lik	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG0000010257252			ENSG0000011933207	0.0302	3.643465	0.008289
ENSG0000010206751			ENSG0000011933207	0.0302	3.643465	0.008289
ENSG00000110693	CCT6B	chaperonir	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG0000012793	GNGT2	G protein s	ENSG0000011933207	0.0302	3.643465	0.008289
ENSG0000010273702			ENSG0000011933207	0.0302	3.643465	0.008289

ENSG00000100129	503	LOC100129503	uncharacterized protein	ENSG000001933207	0.0302	3.643465	0.008289
ENSG00000100268	322			ENSG000001933207	0.0302	3.643465	0.008289
ENSG00000100267	152			ENSG000001933207	0.0302	3.643465	0.008289
ENSG00000100237	406			ENSG000001933207	0.0302	3.643465	0.008289
ENSG00000105365		PLXNB3	plexin B3	ENSG000001933207	0.0302	3.643465	0.008289
ENSG00000105721	2	TP73-AS1	TP73 antisense RNA	ENSG000001763519	-0.01065	1.31376	-0.0081
ENSG00000108427	8	MFSD14C	major facilitator superfamily domain containing 14C	ENSG0000019672314	0.013805	1.714696	0.008051
ENSG00000102898	5	MCTS1	MCTS1, repressed in cancer	ENSG000001942257	0.010108	1.266677	0.00798
ENSG00000109086	1	JPT2	Jupiter microtubule-binding protein 2	ENSG0000012720065	0.008745	1.100349	0.007948
ENSG00000107016		TESK1	testis-specific kinase 1	ENSG000001356135	0.011573	1.473494	0.007854
ENSG00000102898	1	IFT81	intraflagellar transport protein 81	ENSG000001356135	0.011573	1.473494	0.007854
ENSG00000101063	2	ATP5MG	ATP synthase, mitochondrial	ENSG0000016994739	0.005973	0.779914	0.007658
ENSG00000108502	1	REPS1	RALBP1 associated protein 1	ENSG000001547382	-0.00638	0.84237	-0.00757
ENSG00000103417		IDH1	isocitrate dehydrogenase 1	ENSG000001466295	0.006624	0.891348	0.007431
ENSG00000109062	4	LYRM7	LYR motif containing protein 7	ENSG0000015678204	-0.0064	0.876809	-0.0073
ENSG00000101519	87	PPP4R2	protein phosphatase 4 regulatory subunit 2	ENSG0000011011867	0.005181	0.712514	0.007272
ENSG00000101129	42	CFAP36	cilia and flagellum associated protein 36	ENSG0000011567935	-0.00994	1.385432	-0.00717
ENSG00000106138		RPL15	ribosomal protein L15	ENSG0000012440115	-0.00423	0.598195	-0.00707
ENSG00000109682		KDM4A	lysine demethylase 4A	ENSG000001329902	0.007076	1.026733	0.006892
ENSG00000109348	7	MAPK1IP1	mitogen-activated protein kinase 1 interacting protein 1	ENSG0000011206382	0.004506	0.669137	0.006734
ENSG00000108479		HIRIP3	HIRA interacting protein 3	ENSG000001979551	-0.01121	1.701071	-0.00659
ENSG00000105919		RARRES2	retinoic acid receptor response element 2	ENSG0000013911665	-0.01718	2.640678	-0.00651
ENSG00000100278	863			ENSG0000013911665	-0.01718	2.640678	-0.00651
ENSG00000103405	54	ZC3H12B	zinc finger CCHC domain containing 12B	ENSG0000013911665	-0.01718	2.640678	-0.00651
ENSG00000101147	86	XKR4	XK related protein 4	ENSG0000015922818	-0.01513	2.34955	-0.00644
ENSG00000105144		PDE4D	phosphodiesterase 4D	ENSG0000011129255	0.004614	0.719253	0.006415
ENSG00000101715	68	POLR3H	RNA polymerase III subunit 3H	ENSG0000012521212	0.007355	1.150113	0.006395
ENSG00000105483	9	LRRC49	leucine rich repeat containing 49	ENSG0000012152423	-0.0077	1.207177	-0.00638
ENSG00000105102	3	MRPS18C	mitochondrial ribosomal protein S18C	ENSG0000015822247	0.013625	2.161986	0.006302
ENSG00000105733	5	ZNF286A	zinc finger protein 286A	ENSG0000015822247	0.013625	2.161986	0.006302
ENSG00000108354	7	RILP	Rab interacting protein	ENSG0000013522512	-0.00622	1.001626	-0.00621
ENSG00000101301	32	RFTN2	raftlin family member 2	ENSG0000011360033	0.008972	1.472973	0.006091
ENSG00000101540	07	SNRNP48	small nuclear ribonucleoprotein 48	ENSG0000011940623	0.007691	1.264153	0.006084
ENSG00000109820		CUL7	cullin 7	ENSG0000011940623	0.007691	1.264153	0.006084
ENSG00000108540	6	DNAJC14	DnaJ heat shock protein 14	ENSG0000011940623	0.007691	1.264153	0.006084
ENSG00000107296	78	LINC00847	long intergenic non-coding RNA 847	ENSG0000019711287	0.010362	1.71187	0.006053
ENSG00000102237		FEN1	flap endonuclease 1	ENSG0000019711287	0.010362	1.71187	0.006053
ENSG00000107112		TMPO	thymopoietin	ENSG0000013691822	0.005758	0.973812	0.005912
ENSG00000105629		PROX1	prospero homeobox 1	ENSG0000011129154	0.00401	0.691444	0.005799
ENSG00000104676		NAP1L4	nucleosome assembly protein 1-like 4	ENSG0000011206445	0.003853	0.665054	0.005793
ENSG00000108452	5	HOPX	HOP homeobox 1	ENSG0000017794427	0.011583	2.018689	0.005738
ENSG00000100279	541			ENSG0000011564038	-0.00762	1.384148	-0.0055
ENSG00000102563	56	GK5	glycerol kinase 5	ENSG0000013111232	0.005689	1.038661	0.005477
ENSG00000101493	71	EXOC8	exocyst complex component 8	ENSG0000013321397	-0.00548	1.012502	-0.00541
ENSG00000101478	08	ZNF784	zinc finger protein 784	ENSG0000013850067	0.014513	2.722952	0.00533
ENSG00000102298		LIMCH1	LIM and cadherin domain containing 1	ENSG0000015062453	0.002921	0.557085	0.005243
ENSG00000107126		TNFAIP1	TNF alpha 1 protein inducible	ENSG0000018598378	-0.0038	0.746297	-0.0051

ENSG00000184196	USP48	ubiquitin s	ENSG00000160.3304	0.004145	0.81697	0.005073
ENSG00000155188	RIC8B	RIC8 guani	ENSG00000139.05884	-0.00483	0.952208	-0.00507
ENSG0000014023	LPL	lipoprotein	ENSG000001881.9007	0.002507	0.502006	0.004993
ENSG000001228729			ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001269973			ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001236449			ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG00000164598	MOSPD3	motile spe	ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001282969	FUOM	fucose mut	ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001256282			ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001221150	SKA3	spindle anc	ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001261207			ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001260417			ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG00000127296	TP53TG5	TP53 targe	ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001100505771	MHENCR	melanoma	ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001102723475	KCNE1B	potassium	ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG00000110824	DIAPH2-AS	DIAPH2 an	ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG000001234062			ENSG0000011.955832	-0.01793	3.6106	-0.00497
ENSG0000018871	SYNJ2	synaptojan	ENSG00000142.81841	0.004579	0.923759	0.004957
ENSG0000018766	RAB11A	RAB11A, m	ENSG000001110.9168	0.003288	0.680076	0.004834
ENSG000001256691	MAMDC2	MAM dom	ENSG00000123.27892	0.005765	1.200812	0.004801
ENSG00000155365	TMEM176	transmembr	ENSG00000115.58506	-0.00703	1.493309	-0.00471
ENSG0000013839	KPNA3	karyopheri	ENSG00000199.6784	-0.00349	0.743185	-0.0047
ENSG00000157522	SRGAP1	SLIT-ROBO	ENSG00000121.36206	0.005583	1.217844	0.004584
ENSG00000125849	PARM1	prostate ar	ENSG000001216.7846	-0.00287	0.632084	-0.00453
ENSG000001151230	KLHL23	kelch like f	ENSG00000133.06815	0.004447	1.013702	0.004387
ENSG00000153947	A4GALT	alpha 1,4-g	ENSG00000123.45743	-0.00482	1.166843	-0.00413
ENSG00000123165	NUP205	nucleopori	ENSG00000144.70257	0.003409	0.926383	0.00368
ENSG00000164216	TFB2M	transcripti	ENSG00000111.66712	0.005783	1.572704	0.003677
ENSG000001286826	LIN9	lin-9 DREA	ENSG00000125.37429	-0.00409	1.128887	-0.00362
ENSG00000189953	KLC4	kinesin lig	ENSG00000123.37321	0.004006	1.174306	0.003411
ENSG00000122992	KDM2A	lysine dem	ENSG000001115.0975	-0.00227	0.674364	-0.00337
ENSG00000183888	FGFBP2	fibroblast g	ENSG0000015.883845	-0.00725	2.165313	-0.00335
ENSG0000012982	GUCY1A1	guanylate c	ENSG000001116.856	0.002212	0.671871	0.003292
ENSG000001118924	FRA10AC1	FRA10A as	ENSG00000121.40103	0.003752	1.209207	0.003103
ENSG00000180003	PCNX2	pecanex 2	ENSG0000017.778079	0.005812	1.886995	0.00308
ENSG00000151626	DYNC2LI1	dynein cyto	ENSG0000017.778079	0.005812	1.886995	0.00308
ENSG00000128991	COMMD5	COMM dor	ENSG0000017.778079	0.005812	1.886995	0.00308
ENSG00000110078	TSSC4	tumor sup	ENSG0000017.778079	0.005812	1.886995	0.00308
ENSG000001213144			ENSG0000015.86122	0.006792	2.282087	0.002976
ENSG00000190874	ZNF697	zinc finger	ENSG00000119.48417	0.003751	1.268727	0.002957
ENSG000001280385			ENSG0000017.800704	-0.00559	1.898833	-0.00295
ENSG000001254065	BRWD3	bromodorr	ENSG00000150.60277	0.002544	0.866891	0.002934
ENSG00000164786	TBC1D15	TBC1 dom	ENSG00000146.7816	-0.00265	0.909162	-0.00291
ENSG00000128977	MRPL42	mitochond	ENSG00000168.24423	-0.00228	0.792516	-0.00287
ENSG00000184240	ZCCHC9	zinc finger	ENSG0000019.694939	0.004943	1.743408	0.002835
ENSG00000180820	EEPD1	endonucle	ENSG0000019.694939	0.004943	1.743408	0.002835
ENSG00000110491	CRTAP	cartilage a	ENSG000001109.1973	-0.00195	0.690582	-0.00282

ENSG0000010049	DNAJB6	DnaJ heat s	ENSG00000164.0248	-0.00192	0.685068	-0.00281
ENSG00000156650	CLDND1	claudin do	ENSG00000138.95199	0.002463	0.953241	0.002584
ENSG00000125940	FAM98A	family with	ENSG00000160.51519	-0.0021	0.818835	-0.00256
ENSG00000193349	SP140L	SP140 nucl	ENSG00000113.64558	-0.00373	1.479887	-0.00252
ENSG0000012120	ETV6	ETS variant	ENSG00000140.95308	-0.00225	0.937725	-0.0024
ENSG000001441631	TSPAN11	tetraspanir	ENSG0000013.88904	0.005856	2.59083	0.00226
ENSG000001115703	ARHGAP33	Rho GTPas	ENSG0000013.88904	0.005856	2.59083	0.00226
ENSG0000015494	PPM1A	protein ph	ENSG000001220.4787	-0.0011	0.609568	-0.00181
ENSG00000160558	GUF1	GUF1 hom	ENSG00000135.11828	0.001726	1.022954	0.001687
ENSG00000179041	TMEM38A	transmeml	ENSG00000121.38468	0.00176	1.231717	0.001429
ENSG00000155322	C5orf22	chromosor	ENSG00000129.25706	0.001381	1.078323	0.001281
ENSG0000018805	TRIM24	tripartite n	ENSG00000137.09673	-0.0012	0.983229	-0.00123
ENSG000001166	AES	amino-terr	ENSG000001156.0154	-0.00075	0.627308	-0.0012
ENSG00000184065	TMEM222	transmeml	ENSG00000117.53462	-0.00156	1.323533	-0.00118
ENSG000001221002	RASGEF1A	RasGEF do	ENSG0000013.928012	-0.00313	2.731241	-0.00115
ENSG00000184288	EFCAB2	EF-hand ca	ENSG00000125.25738	0.001332	1.192035	0.001118
ENSG00000110865	ARID5A	AT-rich int	ENSG00000125.25738	0.001332	1.192035	0.001118
ENSG00000110018	BCL2L11	BCL2 like 1	ENSG00000119.46782	0.001367	1.260574	0.001084
ENSG00000129063	ZCCHC4	zinc finger	ENSG00000111.68974	-0.00171	1.57768	-0.00108
ENSG0000017507	XPA	XPA, DNA c	ENSG00000111.68974	-0.00171	1.57768	-0.00108
ENSG00000157819	LSM2	LSM2 hom	ENSG0000015.844872	-0.00192	2.154434	-0.00089
ENSG0000010214264			ENSG0000015.844872	-0.00192	2.154434	-0.00089
ENSG00000157232	ZNF630	zinc finger	ENSG0000015.844872	-0.00192	2.154434	-0.00089
ENSG0000011337	COX6A1	cytochrom	ENSG0000019.733912	0.00124	1.706756	0.000726
ENSG0000011211	CLTA	clathrin lig	ENSG00000133.12975	0.000703	1.013229	0.000694
ENSG0000014121	MAN1A1	mannosida	ENSG00000199.22577	0.000571	0.83515	0.000684
ENSG00000150854	C6orf48	chromosor	ENSG00000117.49564	0.00079	1.34931	0.000585
ENSG00000164960	MRPS15	mitochond	ENSG00000148.76385	0.000301	0.886569	0.00034
ENSG00000156339	METTL3	methyltrar	ENSG00000129.18539	0.000236	1.089834	0.000216
ENSG00000194104	PAXBP1	PAX3 and F	ENSG00000129.18539	0.000236	1.089834	0.000216
ENSG000001120534	ARL14EP	ADP ribosy	ENSG00000129.24071	4.89E-05	1.064338	4.59E-05
ENSG00000126284	ERAL1	Era like 12	ENSG00000121.47898	1.89E-05	1.228676	1.54E-05



pvalue	padj
6.83E-24	6.85E-20
1.61E-14	8.05E-11
6.55E-14	2.19E-10
2.76E-12	6.91E-09
5.88E-12	1.18E-08
1.59E-11	2.65E-08
4.21E-11	6.03E-08
1.22E-10	1.53E-07
5.27E-10	5.87E-07
7.11E-10	6.75E-07
7.41E-10	6.75E-07
2.1E-09	1.76E-06
3.05E-09	2.35E-06
5.26E-09	3.77E-06
1.63E-08	1.09E-05
2.37E-08	1.48E-05
3.62E-08	2.13E-05
7.77E-08	4.33E-05
1.13E-07	5.98E-05
1.61E-07	8.09E-05
2.11E-07	0.000101
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