

Table S2. Differentially expressed genes (DEGs) between miR-630 and the control group

Gene	logFC	logCPM	Pvalue	FDR	Vec1	Vec2	miR630_1	miR630_2	Symbol	Description	Chromosome	Genotype
ENSG00000257627.1	1.0234956	5.20131879	0.00014732	0.00057331	3.2	3.81	1.81	MIH7319.3	miR-3193	incRNA	chr20	protein_coding
ENSG00000103103.1	1.10234956	5.20131879	0.00014732	0.00057331	3.2	3.81	1.81	MIH7319.3	miR-3193	incRNA	chr20	protein_coding
ENSG00000103899.1	1.73178534	-0.4213853	0.00020024	0.00076235	0.04	0.16	0.59	0.32	RUNDC3A	RNA domain containing 3A	chr17	protein_coding
ENSG0000057704.9	0.03340172	0.03340172	0.0003401	0.00130281	0.01	0.01	0.01	0.01	TMC23C1	transmembrane and coiled-coil domain family 3	chr17	protein_coding
ENSG00000189632.1	-1.0171833	5.86513658	0.00042081	0.00149293	10.38	9.26	5.88	7.08	BICD2	bicuculid D homolog 2 (Drosophila)	chr9	protein_coding
ENSG00000114698.1	2.46415426	-0.2891022	2.04E-07	1.31E-06	0.05	0.05	0.23	0.05	PILSCRA	phospholipid scramblase 4	chr9	protein_coding
ENSG00000248199.1	0.157457	-0.1918486	2.49E-14	3.72E-13	2.68	3.8	0	0	CTD-2131981	CTD-2131981	chr17	incRNA
ENSG00000173480.9	1.7894051	0.10587979	1.71E-05	7.97E-05	0.08	0.12	0.45	0.47	ZNF417	zinc finger protein 417	chr19	protein_coding
ENSG00000129517.1	1.3022089	2.91197562	2.12E-05	0.08E-05	0.96	1.05	2.31	4.31	SNHG	sorbing nexin 6	chr14	protein_coding
ENSG00000248767.1	-2.07503183	0.09494103	0.0001674	0.00062431	0.27	0.19	0.19	0.19	RP11-666A2.1	RP11-666A2.1	chr19	incRNA
ENSG0000025795.11	1.6493062	-0.1535694	0.00011663	0.00042666	0.02	0.07	0.12	0.26	PNP2	intrinsic interacting protein	chr4	protein_coding
ENSG0000017402.16	-1.0753588	6.24271305	0.0001674	0.00062431	0.27	0.19	0.19	0.19	KHDC3	kelch domain containing 3	chr19	protein_coding
ENSG000005801.16	1.3411429	3.22277999	9.44E-06	4.61E-05	45.3	36.93	26.31	0.95	MYCBP2	MYC binding protein 2, E3 ubiquitin protein ligase	chr13	protein_coding
ENSG00000181095.13	-8.0070223	-0.9638217	7.69E-14	1.09E-12	0.4	0.26	0	0	MAPK15	mitogen-activated protein kinase 15	chr8	protein_coding
ENSG00000277111.1	1.1188577	2.93071039	0.0022913	0.0089377	1.05	3.25	9.57	0.15	CTD-3035K2	CTD-3035K2	chr17	incRNA
ENSG00000104221.11	-0.1068958	5.1728639	0.00024846	0.00092498	9.75	8.6	6.01	5.84	BRF2	BRF2, RNA polymerase III transcription initiation factor 50 kDa subunit	chr17	protein_coding
ENSG00000104431.16	1.9033386	2.40088238	2.94E-09	2.42E-08	2.01	1.14	9.03	6.73	WDFC2	WAF four-disulfide core domain 2	chr20	protein_coding
ENSG00000268975.1	1.1188577	2.93071039	0.0022913	0.0089377	1.05	3.25	9.57	0.15	CTD-3035K2	CTD-3035K2	chr17	incRNA
ENSG00000268967.5	-1.6895367	6.53070035	7.78E-09	6.05E-08	89.66	83.13	36.95	34.38	AARS1D	alanyl-tRNA synthetase domain containing 1	chr17	protein_coding
ENSG00000278277.1	9.24136049	0.31654077	9.98E-24	1.36E-22	0	0	0	0	HST13HC	histone cluster 1, H3c	chr19	protein_coding
ENSG00000142453.10	-1.2275573	7.34769265	2.10E-05	9.90E-05	55.9	55.06	34.09	28.92	CARM1	coactivator-associated arginine methyltransferase 1	chr19	protein_coding
ENSG00000103942.11	2.69545931	0.3980122	1.09E-17	2.19E-16	1.45	1.87	13.79	14.83	HOMER2	homer scaffolding protein	chr15	protein_coding
ENSG0000026269.14	2.86847962	2.93415073	3.40E-18	7.10E-17	0.33	0.6	3.42	5.62	PPP1R21	protein phosphatase 1, regulatory subunit 21	chr2	protein_coding
ENSG0000016157.10	-2.9711959	4.90146921	1.70E-21	4.82E-20	0.37	0.87	33.86	4.59	PRC2	paired related homeobox 2	chr19	protein_coding
ENSG00000138002.13	-2.4819347	5.2909012	3.06E-16	5.45E-15	9.01	8.64	2.08	2.13	FT172	intraflagellar transport 172	chr2	protein_coding
ENSG00000186233.10	3.852801	1.70875086	9.44E-07	9.90E-09	0	0.02	0.12	0.14	LCOR	ligand dependent nuclear receptor corepressor	chr10	protein_coding
ENSG00000233871.1	1.6047608	1.58147586	1.99E-06	1.09E-05	2.64	2.15	2.88	10.62	DLG5-AS1	DLG5 antisense RNA 1	chr10	antisense
ENSG00000180279.5	-5.102976	-0.3043637	0.0003865	0.0148851	0.06	0.18	0	0	MSC49522	MSC49522	chr19	incRNA
ENSG00000102553.12	0.97817439	-0.0878699	0.0188973	0.045857	0	0	0	0	CTC1129	CTC1129	chr17	protein_coding
ENSG00000252123	3.7784495	-1.5015709	3.55E-06	1.88E-05	0.01	0.01	0.17	0.22	CCDC144NL	coiled-coil domain containing 144 family, N-terminal like	chr19	protein_coding
ENSG00000178931.4	-1.1061155	8.34574255	0.00011894	0.00047064	313.7	265.9	191.78	166.55	CYCL	cytochrome c-1	chr17	protein_coding
ENSG00000151692.13	0.43149859	0.4191458	3.10E-16	5.58E-10	0.17	0.8	0.27	0.27	RNF144A	RNF144 protein 144A	chr12	protein_coding
ENSG00000771119.14	1.0465892	3.75022266	0.0001951	0.00148875	0.98	1	2.47	3.01	ANOG	andostatin 6	chr12	protein_coding
ENSG0000025327.13	3.5566786	4.90146921	1.70E-21	4.82E-20	0.37	0.87	33.86	4.59	PRC2	RNF144 protein 144A	chr12	protein_coding
ENSG00000186233.10	3.852801	1.70875086	9.44E-07	9.90E-09	0	0.02	0.12	0.14	LCOR	RNF144 protein 144A	chr12	protein_coding
ENSG0000017163.11	3.01468035	5.2973633	4.93E-22	1.23E-20	2.93	3.5	30.23	19.38	RJCAL	fucosidase (alpha-L-1, tissue)	chr1	protein_coding
ENSG00000268912.7	1.02524464	0.31654077	9.98E-24	1.36E-22	0	0	0	0	MSF	myosin family protein	chr19	protein_coding
ENSG00000164155.5	1.52230361	0.44103895	2.81E-07	1.76E-06	1.1	0.88	3.56	4.05	LMTK2	lemur tyrosine kinase	chr7	protein_coding
ENSG00000241222	4.86951858	1.42717114	2.82E-42	2.43E-40	0.4	0.4	13.17	18.3	UGT1A7	UDP-glucuronosyltransferase 1 family, polypeptide A7	chr2	protein_coding
ENSG00000283918.15	0.76456105	1.24E-07	8.21E-07	0.14	0.03	0.14	0.08	0.13	PTVE1B	zinc finger PVE domain containing 1B	chr2	protein_coding
ENSG00000102485.8	3.82634103	0.8481804	1.72E-13	2.94E-12	0.07	0.05	0.61	1.7	EPGN	epithelial integrin	chr4	protein_coding
ENSG0000035301.11	-2.2477677	6.53731192	4.68E-14	6.73E-13	60.8	53.1	14.22	17.84	USE1	unconventional SNARE in the ER 1 homolog (S. cerevisiae)	chr19	protein_coding
ENSG00000168927.7	1.64791985	1.8491385	8.80E-06	4.32E-05	0.38	0.4	3.7	4.12	SCC5	secretogranin 5	chr1	protein_coding
ENSG00000202198.1	1.3804871	3.99611505	3.53E-06	1.87E-05	16.48	26.71	10.13	37.6	RN7SK	RNA, 75k small nuclear	chr6	misc RNA
ENSG00000143318.11	5.6761718	-2.6083292	0.0004761	0.00167191	0.1	0.08	0.12	0.12	CASQ1	calcineurin 1 (fast-twitch, skeletal muscle)	chr1	protein_coding
ENSG00000178425.12	1.5287913	1.9187978	1.24E-07	8.21E-07	0.14	0.03	0.14	0.08	MTSDC1	S-nucleotidase domain containing 1	chr1	protein_coding
ENSG0000012983.10	1.99554662	2.32993085	7.19E-10	6.37E-09	0.39	0.34	1.24	2.69	MAPK4S	mitogen-activated protein kinase kinase kinase 5	chr18	protein_coding
ENSG0000029986.16	-1.062462	5.87077423	5.42E-07	0.02E-06	26.19	24.77	10.45	14.77	PAM	polyoma virus P1	chr1	protein_coding
ENSG00000263178.1	2.7456008	-2.410398	0.00737015	0.01977584	0.14	0	0.86	0.36	RP11-252K2.2	RP11-252K2.2	chr16	antisense
ENSG00000230797.2	-1.0026652	-0.3758787	0.0189011	0.04519636	0.3	0.27	0.11	0.27	YV2	YV2 transcription factor	chr1	protein_coding
ENSG00000161328.10	1.4905351	1.7809429	5.74E-06	2.92E-05	0.42	0.4	1.82	1.82	URC56	uracil rich repeat containing 56	chr1	protein_coding
ENSG00000102743.13	-0.1198704	2.5740277	0.009147	0.00303221	4.32	3.77	3.01	2.3	SLC25A15	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	chr13	protein_coding
ENSG0000018795.13	2.26505432	-1.401561	0.00030738	0.0011156	0	0.07	0.21	0.21	ZNF385	zinc finger protein 385C	chr17	protein_coding
ENSG00000131396.1	1.2898981	0.227372	9.46E-16	1.69E-14	0	0	2.88	CTD-201K1	CTD-201K1	chr17	antisense	
ENSG00000185904.10	6.74420988	2.54708552	3.16E-45	3.31E-43	0.05	0.03	5.63	5.21	UNC0389	long intergenic non-protein coding RNA 839	chr10	incRNA
ENSG0000013026.14	-2.1741709	7.6910444	2.29E-13	3.06E-12	80.95	97.1	23.59	29.04	DKC2	dyskeratosis associated 1, dyskerin	chrX	protein_coding
ENSG00000245372.1	1.4591457	-2.1407118	0.0018008	0.00495521	0.02	0.46	RP11-889D3	0.46	RP11-889D3	RP11-889D3	chr19	incRNA
ENSG00000172231.1	-1.0661937	9.81381815	0.0020225	0.0076281	838.49	805.1	53.033	51.054	DF1	differentiation-related factor 1	chr9	protein_coding
ENSG00000183744.4	1.0297299	0.3232318	0.0003401	0.00130281	0.01	0.01	0.01	0.01	ACSC	achete-scute factor bHLH transcription factor 2	chr1	protein_coding
ENSG00000274225.1	-5.2019082	-0.305482	0.0538185	0.0148851	0.17	0.18	0	0	K8-68A7.1	K8-68A7.1	chr21	incRNA
ENSG00000168401.7	-3.4636999	-2.1134182	0.00016274	0.00062431	0.27	0.07	0.02	0	IGS3	intraflagellar transport repeat 3	chr1	protein_coding
ENSG00000122970.14	1.4235959	0.411448	6.20E-11	2.56E-10	0.47	0.17	0.78	1.37	FT172	intraflagellar transport 172	chr2	protein_coding
ENSG00000041357.14	1.3425429	5.2959328	3.98E-06	2.08E-05	4.74	5.69	13.8	21.62	PSMA4	prosome (prosome, macropain) subunit, alpha type, 4	chr15	protein_coding
ENSG00000204319.4	-2.168401	1.6222973	2.13E-10	2.04E-09	2.09	1.77	0.62	0.52	PRRT1	proline-rich transmembrane protein 1	chr1	protein_coding
ENSG00000131740.9	1.7698622	1.7342345	1.76E-05	8.15E-05	2.38	0.41	0.25	0.13	CTPS	CTP transcription factor 5, p130-binding	chr1	protein_coding
ENSG00000262974.1	2.22511392	1.2031794	1.30E-09	1.11E-08	0.52	0.3	2.35	2.82	RP11-81701.1	RP11-81701.1	chr15	incRNA
ENSG0000063933.14	1.4116536	1.84363758	5.98E-24	1.91E-22	0.01	0.03	0.39	0.46	MYO9A	myosin IXA	chr15	protein_coding
ENSG00000133453.9	1.8905403	0.8297742	0.0003401	0.00130281	0.01	0.02	0.47	0.62	CTC1129	CTC1129	chr17	protein_coding
ENSG00000189702.12	-4.7350496	-1.897013	1.01E-06	5.80E-06	0.36	0.15	0.01	0	SLA	SrC-like adaptor	chr8	protein_coding
ENSG00000167131.15	-1.1190109	1.8777526	0.000481	0.0016991	1.33	0.96	0.81	0.6	CDCC103	coiled-coil domain containing 103	chr17	protein_coding
ENSG0000012788.8	1.4514953	1.9151235	8.03E-09	2.54E-07	1.47	1.52	1.49	0.67	TNFRSF25	tumor necrosis factor receptor superfamily, member 25	chr17	protein_coding
ENSG00000196842.4	2.1456259	0.47548924	7.93E-08	5.05E-07	0.14	0.11	0.05	0.04	KRCC2	X-ray repair complementing defective repair in Chinese hamster cells 2	chr7	protein_coding
ENSG00000231074.7	1.0297299	0.3232318	0.0003401	0.00130281	0.01	0.01	0.01	0.01	ACSC	achete-scute factor bHLH transcription factor 2	chr1	protein_coding
ENSG00000145736.13	2.15981553	0.9029394	7.66E-09	5.97E-08	0.13	0.11	0.56	0.83	CTP242	generic transcription factor IIH, polypeptide 2, 44kDa	chr15	protein_coding
ENSG00000124839.11	1.31429475	1.60067015	5.21E-05	0.0022168	0.69	0.68	2.54	2.09	RAB17	RAB17, member RAS oncogene family	chr1	protein_coding
ENSG00000138018.9	1.0297299	0.3232318	0.0003401	0.00130281	0.01	0.02	0.47	0.62	CTC1129	CTC1129	chr17	protein_coding
ENSG00000144591.16	-1.0043938	5.57883458	0.00032138	0.0116429	26.41	25.07	18.1	15.19	EMGPA	GDP-mannose cyclohydroxylase A	chr19	protein_coding
ENSG00000467635.5	3.0738842	-2.021187	0.0009481	0.0312103	0	0.02	0.16	0.13	RGMB-AS1	RGMB antisense RNA 1	chr1	antisense
ENSG00000151116.15	1.4905351	1.7809429	5.74E-06	2.92E-05	0.42							

ENSG000001917129	-12854239	3.8041332	3.496-73	1.676-70	13.76	11.33	0	0	MACGEA6	melanoma antigen family A6	chrX	protein_coding
ENSG00000184194.5	1.715671	1.686135	1.88E-35	1.18E-35	0.46	0.46	0	0	GP17L3	G protein-coupled receptor 173	chr10	protein_coding
ENSG00000138160.5	2.4074532	2.60718937	1.86E-13	2.52E-12	0.38	0.25	1.53	296	KIF11	kinesin family member 11	chr10	protein_coding
ENSG0000027764.1	1.64192656	-0.001471	0.00011574	0.00046621	1.36	1.23	3.71	7.1	RP11-318E3...	...	chr10	lncRNA
ENSG00000124498.10	2.3445601	0.007819	0.00004629	0.00046621	0.49	0.37	1.32	29745	ZNF435	zinc finger protein 435	chr10	protein_coding
ENSG00000164241.12	1.34283011	1.00485318	0.00011761	0.00058571	0.17	0.1	0.41	0.5	C5orf63	chromosome 5 open reading frame 63	chr10	protein_coding
ENSG00000169624.2	1.55989025	0.21772149	0.00013052	0.00051325	0.11	0.15	0.47	0.55	TAS1R3	taste receptor, type 1, member 3	chr10	protein_coding
ENSG00000198025.9	1.5870763	0.7035372	9.59E-07	5.53E-06	52.49	52.49	2232	ATG9A	autophagy related 9	chr2	protein_coding	
ENSG00000088517.15	-6.8940438	6.03347197	2.74E-72	1.28E-69	67.61	57.23	0.82	0.58	L32	interleukin 32	chr16	protein_coding
ENSG00000279781.1	1.86676151	4.83472677	3.87E-10	3.59E-09	0.04	0.04	0.2	0.16	chr22-38.28	...	chr22	lncRNA
ENSG00000259501.1	1.83037339	0.17038994	2.00E-06	1.10E-05	0.36	0.36	1.29	714729.1	TFAP2A antisense RNA 1	chr6	antisense	
ENSG00000148303.15	-1.755152	11.0329101	1.85E-09	1.56E-08	3117.06	2754.53	1151.04	RP17A	ribosomal protein L7a	chr9	protein_coding	
ENSG00000228271.1	1.1863949	0.41016368	3.74E-11	5.44E-13	0.35	0.53	0.04	0.08	RP11-276H1...	...	chr10	lncRNA
ENSG00000214595.10	2.37321142	-0.011025	1.22E-07	8.08E-07	0.04	0.02	0.12	0.27	EMU6	echinoderm microtubule associated protein like 6	chr2	protein_coding
ENSG00000254093.7	-1.0263581	4.56699603	0.00043208	0.00152996	16	17.3	1128	1047	PNK1	PNP/TERF1 interacting, telomerase inhibitor 1	chr2	protein_coding
ENSG00000131271.1	-1.2357689	-0.0915486	0.0007225	0.0085393	1.74	1.33	1.35	0.18	FAM1179B	family with sequence similarity 179, member B	chr12	protein_coding
ENSG00000163347.5	-2.3570192	1.3941659	1.52E-11	1.67E-10	0.83	1.21	0.16	0.37	CLDN1	claudin 1	chr3	protein_coding
ENSG00000176383.8	2.4067359	6.0336251	1.36E-09	1.16E-08	0.09	0.07	0.58	0.55	SNRNT4	UDP-GlcNAc6S Gal beta-1-3-N-acetylglucosaminyltransferase 4	chr12	protein_coding
ENSG00000198718.11	5.55654758	-0.768464	3.91E-12	4.59E-11	0	0	0.15	0.18	FAM1179B	family with sequence similarity 179, member B	chr12	protein_coding
ENSG00000243725.5	-1.0377549	0.3277798	0.0068257	0.01870545	0.57	0.53	0.37	0.34	TYC4	tetrahydropteridine reduct domain 4	chr1	protein_coding
ENSG00000116649.8	-1.5577969	1.74246056	8.55E-08	5.80E-07	10.78	173.06	8.35	7167	SRM	serratia synthase	chr1	protein_coding
ENSG0000016994.11	3.10394988	-0.382229	1.04E-09	9.04E-09	0.03	0.01	0.21	0.34	BNCL	basophilic nucleoside	chr15	protein_coding
ENSG00000147940.3	-4.2559946	0.4794033	6.64E-20	1.59E-18	0.22	0.37	0	0.04	CGNL1	cingulin-like 1	chr15	protein_coding
ENSG0000012118.16	-1.1496306	6.94275727	6.40E-05	0.00026805	156.12	186.05	102.42	102.52	MCB3	microchromosome maintenance complex component 3	chr6	protein_coding
ENSG00000174462.13	2.6277077	-0.1527476	3.70E-09	3.01E-08	0.45	0.66	0.11	0.12	DJLC	della-like 2 homology (Drosophila)	chr1	protein_coding
ENSG00000234678.1	-8.954126	-0.0746533	6.39E-22	1.78E-20	1.39	147	0	0	RP11-465N4...	...	chr1	antisense
ENSG00000234596.6	4.9597347	3.10350551	4.68E-19	3.42E-17	3.14	2.86	0.13	0.14	ZMIZ1-AS1	ZMIZ1 antisense RNA 1	chr10	antisense
ENSG00000165067.7	-0.0772296	-1.7605703	1.18E-08	8.76E-08	0.14	0.15	0	0	DRGX	dorsal root ganglia homeobox	chr10	protein_coding
ENSG0000025362.9	-81.48869	1.37728289	4.22E-38	2.89E-36	12.03	7.32	0	0.07	MT1A	metallothionein 1A	chr16	protein_coding
ENSG00000190621.12	1.0127271	8.18008522	0.0001459	0.00143839	81.53	102.44	57.54	63.94	PABPC4	poly(A) binding protein, cytoplasmic 4 (inducible form)	chr1	protein_coding
ENSG00000145604.14	1.24102787	4.73758984	2.22E-05	0.00010109	3.55	3.12	8.36	12.76	SKP2	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase	chr17	protein_coding
ENSG00000265121.1	6.04467832	-2.3656018	4.74E-05	0.00020301	0	0	0.48	0.41	RP11-285E3...	...	chr17	lncRNA
ENSG00000240922.4	1.11416106	7.0592573	0.00010851	0.00043871	67.13	59.1	39.15	36.23	UNC113	ubiquitin-ubiquitin c-ubiquitin reductase assembly factor 3	chr10	protein_coding
ENSG00000139731.4	2.0855688	-0.1973174	0.00956883	0.02497948	0.04	0.12	0.59	0.39	ZNF341-AS1	ZNF341 antisense RNA 1	chr10	antisense
ENSG00000172918.13	-1.738702	5.6608655	7.43E-05	7.52E-43	18.13	17.51	0.95	0.81	C1QTNF1	C1q and tumor necrosis factor related protein 1	chr10	protein_coding
ENSG00000125961.13	1.2598613	1.1943153	0.0001095	0.00010049	3.08	3.08	1.6	0.86	PCDH15	protocadherin beta 15	chr5	protein_coding
ENSG00000113248.5	-1.4843497	0.30555136	1.78E-17	3.01E-16	0.41	0.53	0.06	0.01	PCDH15	protocadherin beta 15	chr5	protein_coding
ENSG00000234986.3	4.5957347	1.9844764	3.70E-07	1.57E-06	1.63	2.49	115.41	68.4	ENTL1	RNA, TSL cytoplasmic 1	chr14	lncRNA
ENSG00000105599.10	-1.9849274	1.63351042	3.70E-09	3.01E-08	1.39	1.19	0.44	0.43	PLEKHA4	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	chr19	protein_coding
ENSG00000254105.2	2.6932011	-1.086078	7.10E-06	3.54E-05	0.05	0.03	0.32	0.35	AZM-AS1	AZM antisense RNA 1 (head to head)	chr12	antisense
ENSG00000173221.1	-1.045493	0.03045	0.00058249	0.0028478	0.65	0.65	0	0	HIST1H2AK	histone variant H2AK	chr1	protein_coding
ENSG000001311897.6	1.0894719	3.8110335	0.00024079	0.00089626	2.14	2.48	1.1	9.11	SERNIC1	sarcomere incorporator 1	chr19	protein_coding
ENSG00000253034.5	4.0074754	-2.0228487	3.06E-05	0.00013563	0.03	0	0.54	0.39	C13orf81	chromosome 13 open reading frame 81	chr19	protein_coding
ENSG00000164482.9	2.441635	7.91844636	1.18E-05	5.64E-05	38.74	40.19	251.65	163.15	RP13	ribosomal protein L30	chr19	protein_coding
ENSG00000175591.10	-4.746248	2.90455602	5.73E-37	3.67E-35	4.52	3.67	0.12	0.28	PRYR2	purine nucleoside P2Y G-protein coupled 2	chr11	protein_coding
ENSG00000232847.7	-1.4866764	0.2504153	0.00011986	0.00074743	0.36	0.5	0.15	0.25	TNPOCS	translocator domain containing 5 (endoplasmic reticulum)	chr6	protein_coding
ENSG0000018404.15	1.5054701	0.418108	5.85E-09	2.98E-09	1.63	2.49	0.16	1.17	SP140L	SP140 nuclear body protein-like 1	chr10	protein_coding
ENSG00000170871.17	1.07724505	2.1698846	0.00066239	0.00226462	0.39	0.47	0.96	1.44	MTSS1	metastasis suppressor 1	chr6	protein_coding
ENSG00000211997.1	-1.454995	1.1840101	2.40E-07	1.57E-06	0.15	0.15	0	0	RP11-970J12	...	chr15	antisense
ENSG00000137311.11	-3.3682502	7.94580806	2.95E-27	1.19E-25	29.11	24.5	3.63	3.37	IER3	immediate early response 3	chr6	protein_coding
ENSG00000165244.6	2.19966214	1.66071157	2.26E-10	2.15E-09	0.21	0.28	1.96	2.97	ZNF367	zinc finger protein 367	chr1	protein_coding
ENSG00000232566.7	2.5545044	0.1841097	1.98E-06	1.46E-07	0.17	0.17	11.4	5.4	SH3BP3	SH3 domain protein host gene 15	chr17	protein_coding
ENSG00000198434.14	-1.3289008	2.7934216	1.50E-05	7.08E-05	2.72	2.33	1.3	1.39	ARID5A	AT rich interactive domain 5A (MRF1-like)	chr2	protein_coding
ENSG00000101236.15	1.4904777	4.83295216	4.04E-07	2.48E-06	1.55	1.6	5.92	5.87	RNF24	ring finger protein 24	chr20	protein_coding
ENSG00000134262.11	1.3452486	0.16721188	0.00010201	0.00111019	0.63	0.46	4.93	4.93	ARAF4	adenosine related protein complex 4, beta 1 subunit	chr1	protein_coding
ENSG00000072840.11	1.1668473	2.6145485	1.05E-55	2.11E-53	1.32	1.67	0	0	EVCC	Ellis van Creveld protein	chr1	protein_coding
ENSG00000198147.7	2.3097544	3.385728	1.77E-13	2.40E-12	0.26	0.3	0.62	2	ARHGFP2	Rho guanine nucleotide exchange factor and GEF12	chr11	protein_coding
ENSG00000161131.9	-1.40452	0.84837222	2.41E-16	4.13E-15	0.43	0.13	0.61	0.43	CTSC	cathepsin C	chr1	protein_coding
ENSG00000135598.3	3.0263418	-2.6615909	0.0043894	0.02469931	0.07	0	1.02	0.27	HIST2H3D	histone 2.3, H3d	chr1	protein_coding
ENSG00000143131.8	0.2364699	1.1943153	0.0001095	0.00010049	3.08	3.08	1.6	0.86	PCDH15	protocadherin beta 15	chr5	protein_coding
ENSG00000153633.11	1.4823509	1.52058298	1.10E-05	5.31E-05	0.37	0.31	0.75	1.78	UNC00467	long interspersed non-protein coding RNA-467	chr1	lncRNA
ENSG0000013386.16	-6.2014387	2.3667268	8.29E-44	7.88E-42	1.83	1.55	0.15	0.04	GAUNT15	polyketide N-acetylglucosaminyltransferase 15	chr3	protein_coding
ENSG0000018454.15	-2.4401033	1.63351042	3.70E-09	3.01E-08	1.39	1.19	0.44	0.43	ADU4A2	adenosine related protein complex 4, beta 2 subunit	chr15	protein_coding
ENSG00000139697.10	2.0077832	3.3697705	6.15E-11	6.31E-10	0.26	0.46	1.54	2.32	SNNO1	strawberry notch homology 1 (Drosophila)	chr12	protein_coding
ENSG00000253619.1	-4.80698	-3.2210842	0.01888673	0.04519567	0.09	0.1	0	0	RP11-881M1...	...	chr11	antisense
ENSG00000254911.3	3.4405368	4.5345608	1.18E-05	7.2E-24	38.74	40.19	86.09	68.4	SCARNA9	small Cajal body-specific RNA 9	chr1	antisense
ENSG00000191319.15	-3.9541121	3.7299205	1.36E-31	6.75E-30	2.87	3.78	0.23	0.35	TIP2	tight junction protein 2	chr9	protein_coding
ENSG0000010130.8	-1.3472945	5.71592002	3.60E-06	1.90E-05	13.33	11.38	0.71	0.62	NCSL1	neuronal calcium sensor 1	chr9	protein_coding
ENSG00000120675.5	1.5679763	1.65827241	5.81E-07	4.58E-06	0.46	0.65	0	0.01	DNAJC15	DnaJ (Hsp40) homolog, subfamily C, member 15	chr10	protein_coding
ENSG00000184922.12	-1.5258346	6.1732853	1.60E-07	8.02E-06	31.4	29.35	14.17	13.81	FMMN1	formin-like 1	chr1	protein_coding
ENSG00000253619.1	1.4076146	1.70201219	1.75E-05	1.04E-05	2.6	2.96	8.93	7.52	HOCX-AS1	HOCX cluster antisense RNA 1	chr17	antisense
ENSG00000132597.12	1.545386	1.9121319	1.13E-02	1.42E-02	0.57	0	0.08	0.28	C2orf1	collagen and calcaion binding EGF domains 1	chr1	protein_coding
ENSG00000102172.14	-1.4855505	7.12846313	3.16E-07	1.97E-06	85.43	96.42	50.77	50.77	SMS	spermine synthase	chr1	protein_coding
ENSG00000251022.2	0.5949608	1.9459608	0.0001095	0.00010049	3.08	3.08	1.6	0.86	PCDH15	protocadherin beta 15	chr5	protein_coding
ENSG0000015542.10	2.36879893	-1.1464505	4.93E-05	0.0002108	0.09	0.02	0.41	0.34	SETD9	SET domain containing 9	chr1	protein_coding
ENSG00000228646.6	6.6602407	-1.91328	6.25E-07	3.72E-06	0	0	0.04	0.06	RP3-399.15	...	chr5	antisense
ENSG00000198984.2	-4.9710484	13.7218289	2.04E-06	1.96E-07	2047.9	3211.87	1093.65	878.66	MT-CO1	mitochondrial encoded cytochrome c oxidase I	chr1	protein_coding
ENSG00000256551.8	3.3362098	2.5846135	5.90E-22	1.64E-20	0.05	0.08	0.79	1.08	TAKO1	TAD kinase 1	chr17	protein_coding
ENSG00000270185.1	2.0386209	-1.2141602	0.00040219	0.0014331	0.05	0.35	0.51	1.63	RP11-167P1...	...	chr16	sense_intronic
ENSG00000114514.14	1.212894	0.41801029	9.91E-05	0.00036189	0.11	0.11	0.58	0.83	PNCL3	proline-rich nuclear protein 3	chr1	protein_coding
ENSG00000168116.12	4.579090											

ENSG00000164342.11	6.7785862	-1.8168276	2.246	-0.7	1.42E-06	0	0	0.002	0.12	TLR3	tol-like receptor 3	chr4	protein_coding
ENSG0000010419.13	1.5559599	-2.198488	1.27E-09	0.7	2.8E-05	176.1	57.64	5.84	58.14	NDRG1	N-myc downstream regulated 1	chr6	protein_coding
ENSG0000013367.13	2.6381347	2.51588451	2.43E-15	4.01E-14	0.1	0.1	0.16	0.71	1.42	ATP13A3	ATPase type 13A3	chr7	protein_coding
ENSG0000018575.7	1.3512707	-0.767203	0.00520073	0.0146648	0.1	0.06	0.32	0.02	0.02	NKX9	neuroxin 3	chr17	protein_coding
ENSG0000016338.13	1.6136388	2.051478	1.41E-07	0.00000000	0.1	0.1	0.15	0.74	1.54	ZNF761	zinc finger protein 761	chr19	protein_coding
ENSG0000012569.1	-4.2389387	-1.5497813	2.58E-08	1.88E-07	0.59	1.15	0	0	0	RP11-256C3	---	chr2	antisense
ENSG0000017127.6	-4.3675588	2.5403789	2.57E-31	1.20E-29	5.29	4.93	0.42	0.25	0.25	TMEM37	transmembrane protein 37	chr6	protein_coding
ENSG0000016494.15	-2.159848	3.5544406	0.0053196	0.01522273	0.1	0.1	0.1	0.1	0.02	FNDC1	flecainex beta II domain containing 1	chr2	protein_coding
ENSG0000076716.8	0.0248052	3.5544406	7.87E-61	2.05E-58	0.01	0.02	0.417	5.93	GP4	glypican 4	chr6	protein_coding	
ENSG0000015925.6	2.18258471	0.6717245	1.32E-08	9.91E-08	0.14	0.07	0.8	0.15	ACTC1	actin, alpha, cardiac muscle 1	chr15	protein_coding	
ENSG0000013584.15	1.4983953	1.464646	0.00000000	0.00000000	0.1	0.1	0.72	0.72	FAM129A	family with sequence similarity 129, member A	chr19	protein_coding	
ENSG0000026186.4	2.4796798	-1.456984	0.0017647	0.00080080	0	0.26	1.05	0.89	RP11-671A2	---	chr16	crossed transcript	
ENSG0000013636.13	-4.9771048	3.983552	3.56E-07	3.03E-40	5.12	1.7	0.16	0.33	MYO1C	myosin I	chr7	protein_coding	
ENSG0000011281.13	3.5476323	2.1952136	1.86E-22	5.38E-21	0.05	0.08	0.77	1.25	ERBB2P	erbB2 interacting protein	chr11	protein_coding	
ENSG0000026508.15	-2.5094034	8.2236201	6.38E-17	1.20E-15	64.96	69.44	14.22	17.3	CD44	CD44 molecule (Indian blood group)	chr15	protein_coding	
ENSG0000017245.12	2.11136837	1.4998872	1.72E-05	1.14E-09	0.13	0.21	0.94	1.02	STARTD5	SAAR-related lipid transfer (START) domain containing 5	chr19	protein_coding	
ENSG0000011959.15	1.1345909	3.91162176	1.19E-05	0.0003179	4.33	3.69	2.25	2.43	DCAF4	DD81 and CUL4 associated factor 4	chr14	protein_coding	
ENSG0000018549.11	-1.1182496	6.0992626	0.00010825	0.00043256	12.72	15.57	8.74	8.6	CLISF52	chromosome 15 open reading frame 52	chr15	protein_coding	
ENSG0000016461.15	3.9389899	1.1557287	5.48E-18	1.13E-16	0.12	0.03	1.17	1.09	SFR	Soft transcription factor	chr7	protein_coding	
ENSG0000010205.8	-2.3898882	0.8183716	1.68E-10	1.62E-09	0.34	0.49	0.1	0.11	KCNQ1	potassium channel, voltage-activated Shal related subfamily D, member 1	chr4	protein_coding	
ENSG0000019859.9	1.23797475	2.6120776	6.48E-05	0.0027159	0.27	0.26	0.74	0.93	LRBA	PLP-responsive vesicle trafficking, beach and anchor domain containing	chr4	protein_coding	
ENSG0000014759.4	1.97149351	-2.886978	0.0038165	0.0148851	0	0.05	0.02	0.05	EVX2	even-skipped homeobox 2	chr2	protein_coding	
ENSG00000204528.3	1.52664237	-1.5660914	0.0123465	0.03155686	0.18	0.19	0.92	0.95	PSORS1C3	soriasis susceptibility 1 candidate 3 (non-protein coding)	chr7	sense_intronic	
ENSG0000019636.7	1.4665094	-0.382982	0.0011746	0.00369419	0.15	0.12	0.02	0.1	ACN4	---	chr6	protein_coding	
ENSG00000204249.9	1.46597971	3.403686	1.72E-06	9.38E-06	0.17	0.17	0.17	2.54	MEI2T	mediator complex subunit 17	chr7	protein_coding	
ENSG0000026768.11	-1.1323041	5.5321988	9.39E-05	0.00037948	46.56	46.94	34.01	22.53	TMEM17B	translocase of inner mitochondrial membrane 17 homolog B (yeast)	chr1	protein_coding	
ENSG00000116359.9	1.4880381	3.4012156	9.31E-07	5.29E-06	0.33	0.41	0.1	1.53	AKR1L	ash1 (absent, small, or homeotic)-like (Drosophila)	chr1	protein_coding	
ENSG0000026223.4	3.43587304	1.0638999	7.48E-13	9.50E-12	0.03	0.02	0.26	0.51	ZNF130	zinc finger protein 130	chr12	protein_coding	
ENSG0000015686.14	-1.6327686	6.6370258	2.26E-08	1.64E-07	22.82	24.06	9.86	10.28	FBR5	fibrinogen	chr16	protein_coding	
ENSG0000018347.11	2.1876137	3.5057278	3.56E-13	3.41E-12	21.57	18.53	5.84	5.83	TRIO2	third prime repeat exonuclease 2	chr1	protein_coding	
ENSG0000013859.8	-6.9372636	2.6139175	3.66E-49	4.77E-47	3.05	2.26	0.03	0.02	ANGPTL2	angiopoietin-like 2	chr9	protein_coding	
ENSG000001287145	10.9568763	1.9577039	2.53E-44	2.50E-42	0	0	3.17	0.47	HOKO1D3	homeobox D13	chr12	protein_coding	
ENSG0000018607.11	1.4415617	2.4333741	2.45E-51	7.00E-49	0.18	0.18	0.06	0.42	3.23	SDCC28	synaptosomal complex subunit 2	chr20	protein_coding
ENSG00000150310.14	1.8133276	0.6799553	0.00098837	0.0023143	0.18	0.06	0.42	0.3	FAM124A	family with sequence similarity 124A	chr13	protein_coding	
ENSG0000075739.12	1.14873772	5.6362486	7.40E-05	0.00030387	8.99	10.01	23.25	33.11	ACAT1	acyl-CoA acyltransferase 1	chr11	protein_coding	
ENSG0000015272.15	0.5054861	1.684428	1.57E-07	1.02E-05	0.69	0.06	0	0.02	SCOR3	SCOR domain containing 3	chr17	protein_coding	
ENSG0000017892.5	2.7473885	-1.0417457	3.62E-06	1.91E-05	0.07	0	0.17	0.46	KHLH11	kelch-like family member 11	chr17	protein_coding	
ENSG0000026559.13	3.901713	1.584132	1.75E-12	1.02E-12	0.13	0.13	0.13	0.2	MAP2K2	mitogen-activated protein kinase kinase 2	chr1	protein_coding	
ENSG00000135541.19	1.77557306	0.56357812	3.89E-06	2.02E-05	0.11	0.03	0.32	0.32	AHH1	Abelson helper integration site 1	chr17	protein_coding	
ENSG00000111530.11	1.61962117	1.5797043	1.66E-07	1.08E-06	0.25	0.29	0.74	1.5	CAND1	CAN1-associated and neddylation-dissociated 1	chr12	protein_coding	
ENSG0000026455.11	1.8038666	2.5634538	2.23E-07	9.18E-05	0.12	0.3	2.98	0.4	COLGAS	colicin A5	chr14	protein_coding	
ENSG00000114942.12	-1.4663376	9.4456589	4.18E-07	8.76E-06	739.16	744.03	322.5	394.52	EIF2B2	eukaryotic translation elongation factor 1 beta 2	chr1	protein_coding	
ENSG0000018520.3	-6.880294	-1.584317	1.35E-07	2.67E-07	0.32	0.21	0.2	0	GIBS	gap junction protein, beta 5, SL110A	chr1	protein_coding	
ENSG0000014724.9	-1.4415617	2.4333741	2.45E-51	7.00E-49	0.18	0.18	0.06	0.42	3.23	SDCC28	synaptosomal complex subunit 2	chr20	protein_coding
ENSG0000013567.10	1.08891344	4.4685243	0.00019845	0.00050524	1.5	1.86	39.1	5.65	CPM	carboxypeptidase M	chr12	protein_coding	
ENSG0000016291.9	1.6369866	1.0119707	4.56E-06	2.37E-05	0.16	0.19	0.68	0.78	FWW5	RNA-3' poly(A) binding protein 5	chr2	protein_coding	
ENSG0000015456.16	1.7463824	2.678296	1.05E-05	7.03E-00	0.1	0.1	1.25	0.01	SCOR3B	scorin and SH3 domain containing 2	chr19	protein_coding	
ENSG00000164778.4	5.27991584	2.7312449	1.42E-38	1.01E-36	0.07	0.08	3.67	441	EN2	engaged homeobox 2	chr7	protein_coding	
ENSG00000156304.13	1.1843787	3.6389849	1.05E-05	0.0007945	22.98	23.58	1.33	23.14	SCAF4	SR-related CTD-associated factor 4	chr21	protein_coding	
ENSG0000011196.8	1.2914649	1.61437891	1.82E-05	8.41E-05	2.85	4.48	3.68	2.46	MAOGB8	MAO-g-nash homolog B (Drosophila)	chr12	protein_coding	
ENSG0000015525.15	-1.200815	0.20376478	0.0016369	0.00511642	0.38	0.61	0.21	0.35	STGALS	STB beta-galactosidase alpha-2,3-sulfoltransferase 5	chr1	protein_coding	
ENSG0000017217.9	1.8618964	0.20376478	0.0016369	0.00511642	0.38	0.61	0.21	1.49	TEF4	transcription factor 4	chr17	protein_coding	
ENSG00000271425.5	-1.140397	0.4568563	0.0023221	0.00703197	0.12	0.1	0.07	0.07	NBP1D	neurotrophin breakpoint protein, member 10	chr1	protein_coding	
ENSG00000134030.12	-2.5433424	5.28744867	6.96E-17	1.30E-15	9.79	8.72	2.29	1.94	CTF	CBP80-20 dependent translation initiation factor	chr18	protein_coding	
ENSG0000014633.12	0.4170013	1.6300152	2.33E-07	1.48E-05	1.74	1.74	5.74	5.23	CNAB2	guanine nucleotide binding protein (G protein) alpha 12	chr1	protein_coding	
ENSG0000037001.11	1.0918254	2.75351021	0.00035207	0.00126837	1.6	1.61	0.43	5.1	RRA6B	Ras-related GTP binding B	chr18	protein_coding	
ENSG0000012894.15	5.3137887	1.74831235	6.77E-32	3.40E-30	0.04	0.04	0.25	2.13	AF0BEC3F	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F	chr22	protein_coding	
ENSG0000014951.9	1.244889	1.244889	0.00000000	0.00000000	0	0	0.04	0.47	RUT1	luciferase transferase 1 (galactosidase 2-alpha1, -luciferase, H blood group)	chr2	protein_coding	
ENSG0000011335.19	4.8998041	-0.5067113	0.0189873	0.04519557	0	0	0.24	0.04	BTIK	Brunn amegalin homologous tyrosine kinase	chr4	protein_coding	
ENSG0000022993.13	2.6518252	-2.4177887	0.00000000	0.00000000	0	0	0.04	0.04	BTIK	Brn-1 related CTD-associated factor 2, transcriced to 2, to 2	chr16	protein_coding	
ENSG0000016739.4	-6.2711019	5.0149677	2.19E-61	5.91E-59	48.86	45.36	0.91	0.72	CKX1L	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	chr19	protein_coding	
ENSG00000156245.8	-1.0753194	6.2195205	0.00019251	0.00072881	24.8	22.36	15.13	14.69	NUMB	numb homolog (Drosophila)-like	chr1	protein_coding	
ENSG0000017657.7	1.5053154	5.2758448	1.0E-05	1.0E-09	0.1	0.1	7.3	21.4	CKX1	21 homologous (Drosophila)-like	chr1	protein_coding	
ENSG0000018585.18	-3.628061	6.3510294	3.40E-30	1.57E-28	18.6	18.27	21.8	1.78	OFML2A	olfactomedin-like 2A	chr1	protein_coding	
ENSG00000103310.13	-1.8189593	2.0827372	8.52E-35	4.91E-33	1.66	1.89	0.12	0.01	MEFV	Mediterranean fever	chr16	protein_coding	
ENSG0000012478.10	-1.4170013	1.6300152	2.33E-07	1.48E-05	1.74	1.74	5.74	5.23	FASTKD3	fast kinase domain 3	chr1	protein_coding	
ENSG00000261183.4	3.90913678	1.2997462	4.42E-21	1.16E-19	0.06	0.32	0.41	3.56	RP11-532P1	---	chr15	antisense	
ENSG00000125954.1	2.1604948	-2.2189205	0.00271392	0.04949569	0.02	0.01	0.01	0.12	XOac-BPG1	---	chr6	antisense	
ENSG0000011517.5	1.2676308	0.7982133	3.18E-18	6.55E-15	0.9	0.58	0.05	0.42	PAK3	lysophosphatidic acid receptor 3	chr8	protein_coding	
ENSG00000137875.4	8.85305975	-0.035738	5.29E-20	1.27E-18	0	0	0.26	1.59	BCL2L10	BCL2-like 10 (apoptosis facilitator)	chr15	protein_coding	
ENSG0000027958.1	5.6116133	-2.681208	0.0008656	0.00280128	0.2	0.13	0.15	0.15	RP4-635A23	---	chr15	TEC	
ENSG0000010361.10	1.1701833	5.071188	5.85E-05	0.00024537	3.92	4.05	11.9	12.8	CLTAPC5	solute carrier family 7, member 6 cospoite strand	chr1	protein_coding	
ENSG00000170153.9	-1.8421834	0.6128293	1.39E-06	7.82E-06	0.19	0.17	0.09	0.05	RNF150	ring finger protein 150	chr16	protein_coding	
ENSG0000010314.3	1.8454654	0.058468	1.05E-05	4.20E-05	0.1	0.1	0.1	0.01	CABP7	calyx-binding factor, runt domain, alpha subunit 2, transcriced to 2, to 2	chr2	protein_coding	
ENSG0000026630.5	1.6791197	1.4975472	7.90E-07	4.62E-06	0.13	0.29	0.86	0.92	SNAG-AS1	SNAG antisense RNA 1	chr16	antisense	
ENSG0000016323.17	1.6268431	0.6912462	1.08E-05	5.13E-05	0.17	0.06	0.04	0.53	ADAMTS13	ADAM metalloproteinase with thrombospondin type 1 motif, 13	chr1	protein_coding	
ENSG0000018346.3	1.8419434	0.0374627	1.05E-05	0.00013784	0.19	0.34	1.05	0.88	TCG3	tiger transmembrane domain containing 3	chr1	protein_coding	
ENSG00000112782.14	2.5477751	-0.0004263	0.00156293	0	0.02	0.04	0.02	0.08	CLUC	channel intracellular channel 5	chr6	protein_coding	
ENSG0000010360.13	1.6713815	3.8136058	3.67E-08	2.60E-07	5.56	4.19	20.84	20.2	F17T	interfacial transport 7	chr22	protein_coding	
ENSG0000026933.4	1.8618964	0.20376478	0.0016369	0.00511642	0.38	0.61	0.21	0.03	UNC0960	long intergenic non-protein coding RNA 668	chr17	protein_coding	

ENSG0000029065.1	-2.6125167	0.21631821	5.19e-10	4.71e-09	2.33	2.27	0.05	0.36	RP5-102120 --	chr14	antisense	
ENSG0000018391.4	3.194347	7.8444958	1.45E-15	4.5E-15	1.51	2.66	0.05	0.18	NOC1	chr17	noggin	
ENSG00000145687.1	-1.1737581	0.74831891	1.18E-08	8.90E-08	1.61	1.47	0.65	0.58	SSBP2	chr5	single-stranded DNA binding protein 2	
ENSG00000278869.1	2.238906	1.7083109	9.58E-11	9.61E-10	1.01	1.03	7.2	5.65	CITF22-4969 --	chr22	lncRNA	
ENSG0000021762.18	2.693925	7.2903621	1.26E-14	4.36E-13	4.07	2.18	0.05	11.78	OSBP5	chr15	oxysterol binding protein-like 5	
ENSG0000027133.1	6.3224473	2.1673809	8.99E-06	4.38E-05	0	0	0.08	0.1	RP3-3684A.6 --	chrX	sense_intronic	
ENSG0000019497.12	1.3831588	2.05027513	1.65E-05	7.67E-05	0.65	0.62	2.02	2.41	ZNF18	chr17	zinc finger protein 18	
ENSG00000137124.6	1.531491	0.8458175	1.75E-16	1.00E-13	20.6	1.22	5.22	5.95	ADAH1B1	chr1	aldehyde dehydrogenase 1 family, member B1	
ENSG00000261594.3	3.7479471	0.67688303	1.63E-16	2.97E-15	0.06	0.06	1.28	0.87	TBPLG	chr17	tuberosclerous phosphatase-like	
ENSG0000014107.7	2.5895262	1.7617416	2.15E-13	2.88E-12	0.24	0.23	0.04	0.26	CEP100	chr10	centrosomal protein 100kDa	
ENSG00000121769.6	1.5335801	0.727107	1.48E-08	4.30E-07	0.19	0.17	0.05	1.71	FABP9	chr1	fatty acid binding protein 9, muscle and heart	
ENSG0000022033.1	2.7728377	1.7162449	2.21E-14	3.30E-13	0.42	0.21	2.59	3.05	UNC10124	chr2	long interspersed non-protein coding RNA 1124	
ENSG0000016436.9	-5.655658	0.5958948	0.0333E-05	0.0000000	0.31	0.31	0.06	1.1	PMPOL	chr4	primase and polymerase (DNA-directed)	
ENSG00000172403.9	-5.655658	0.0008654	0.0028128	0.0000000	0.01	0.01	0	0	SNYPO2	chr1	synaptonemal 2	
ENSG00000106348.15	-2.0206653	7.5054177	6.74E-12	7.72E-11	81.04	77.56	27.92	23.85	MPDH1	chr7	IMP (inosine 5'-monophosphate) dehydrogenase 1	
ENSG00000136114.14	6.7299129	1.0594747	2.48E-10	1.16E-09	0.02	0	1.26	1.32	THSD1	chr13	thrombospondin, type 1, domain containing 1	
ENSG00000262514.1	5.0480404	-2.9799228	0.0100455	0.0258742	0	0	0.03	0.18	RP11-96D1.5 --	chr11	sense_intronic	
ENSG00000166266.12	3.7399004	1.62721315	1.76E-21	4.78E-20	0.05	0.05	0.53	1.35	CUL5	chr16	culin 5	
ENSG00000138999.4	-1.1501911	2.3890207	1.44E-05	6.83E-05	2.16	2.65	1.05	1.46	NCV	chr5	neuroblastoma overexpressed	
ENSG00000168957.10	-1.5343835	6.83897309	1.35E-07	8.90E-07	88.36	86.35	37.37	43.22	HINT1	chr5	histidine triad nucleotide binding protein 1	
ENSG00000122068.11	3.1069646	1.9302798	6.23E-18	1.66E-16	0.09	0.07	0.57	1.33	PTTID1	chr1	forky-two-three domain containing 1	
ENSG00000163993.6	4.536398	7.2717015	2.68E-10	2.98E-39	9.43	9.02	25.84	22.87	S100P	chr4	S100 calcium binding protein 9	
ENSG00000170264.11	1.5748519	0.56702198	3.53E-05	0.0015336	0.1	0.19	0.5	0.67	FAM161A	chr2	family with sequence similarity 161, member A	
ENSG00000214212.7	-38200669	-1.0719894	2.77E-07	1.73E-06	0.04	0.26	1.47	0.59	C3orf38	chr19	chromosome 3 open reading frame 38	
ENSG0000014963.4	-9.8234869	2.4352112	9.12E-50	1.24E-47	0.05	0.22	1.65	6.85	ATL1	chr1	lymphoblastic leukemia associated hematopoiesis regulator 1	
ENSG00000164332.7	1.6956089	2.4296249	1.07E-07	7.18E-07	0.64	1.05	2.6	4.72	ULCP1	chr15	ubiquitin-like domain containing CTD phosphatase 1	
ENSG0000020445.10	-1.1717376	6.6950657	4.73E-05	0.00030001	15.17	14.42	8.99	8.48	TYRO3	chr15	TYRO3 protein tyrosine kinase	
ENSG00000123200.15	1.77307912	4.13754395	3.77E-09	3.07E-08	0.51	0.81	2.29	3.77	ZC3H13	chr13	zinc finger CCHC-type containing 13	
ENSG00000173068.16	-1.5071368	0.38734331	8.90E-05	0.0036046	0.13	0.09	0.06	0.04	BNCF	chr1	basonuclin 2	
ENSG0000010469.3	1.6429975	-2.616209	0.0008564	0.0028128	0	0	0	0.36	RP11-332M2	chr1	sense_intronic	
ENSG00000131437.14	3.19531619	1.13664989	9.26E-16	1.58E-14	0.06	0.04	0.04	0.87	KIF3A	chr1	kinesin family member 3A	
ENSG00000250105.1	5.7831348	-2.541544	0.0026535	0.0009747	0	0	0.39	0.38	CD1-307401 --	chr11	lncRNA	
ENSG00000131459.11	2.2774617	5.4614013	0.001278	1.44E-13	19.37	18.25	5.1	5.3	CPPT2	chr17	glutamine-fructose-6-phosphate transaminase 2	
ENSG00000123121.12	1.17711416	0.70882343	0.0012078	0.0039302	0.5	0.42	1.4	1.39	CCDC183	chr1	coiled-coil domain containing 183	
ENSG0000014748.12	-2.3705185	4.7436396	6.23E-11	1.00E-13	6.63	6.77	1.64	1.81	IRG1	chr3	leucine-rich repeats and immunoglobulin-like domains 1	
ENSG0000007684.10	1.9249459	4.4404242	7.54E-05	0.0031148	2.63	2.69	1.67	1.94	PHD finger 1	chr17	zinc finger PHD finger 1	
ENSG00000108210.3	-1.0488088	7.51466405	0.0026254	0.0009122	84.45	76.57	53.05	50.62	COASY	chr17	Cos synthase	
ENSG00000122042.9	1.5824815	1.9498987	0.0026254	0.0009122	84.45	76.57	53.05	50.62	COASY	chr17	Cos synthase	
ENSG00000139174.9	-1.9817337	-0.8265991	0.000121	0.00047961	0.09	0.12	0.07	0.01	PRICKLE1	chr12	prickle homolog 1 (Drosophila)	
ENSG00000210112.1	3.8681038	1.117200	4.12E-20	9.98E-19	2.75	3.75	71.13	56.47	MT-TM	chrM	mitochondrially encoded tRNA methionine	
ENSG00000261578.11	1.590047	1.3265697	0.0000000	0.0014279	0.07	0.14	0.4	0.37	RP11-211L3	chr1	sense_intronic	
ENSG00000102024.16	1.30060304	1.132E-05	5.40E-05	2.2E-26	2.26	2.26	5.1	9.84	PL3	chr17	plastin 3	
ENSG00000127343.4	1.6985071	-0.9650134	0.0016616	0.0031962	0.07	0.04	0.24	0.21	SPAG5-AS1	chr17	SPAG5 antisense RNA 1	
ENSG00000154806.4	-4.9580894	0.4848084	3.53E-15	5.71E-14	3.28	7.89	0.88	8.83	SYSL-DNAO22	chr17	SYSL-DNAO22 readthrough (NMD candidate)	
ENSG00000198265.10	2.92417357	2.34633787	9.88E-18	1.99E-16	0.04	0.1	0.59	0.87	HEZ	chr17	helicase with zinc finger	
ENSG00000128590.4	2.55143016	0.7988018	7.51E-11	6.6E-10	0.16	0.13	1.04	1.19	DNAH9	chr7	Dna (Hsp40) domain, subfamily 8, member 9	
ENSG00000102181.19	1.9259889	0.9319134	0.0019815	0.00071331	26.5	16.5	12.7	12.7	C2orf62	chr2	C2 calcium-dependent domain containing 4A	
ENSG00000080470.12	-1.2176386	8.44809418	2.38E-05	0.0001077	441.06	373.76	245.11	22.41	GSTP1	chr1	glutathione S-transferase pi 1	
ENSG00000271212.1	1.4276122	1.9248968	1.03E-09	0.0021083	0.53	0.66	18.96	14.17	RP11-592C09	chr1	antisense	
ENSG00000163596.15	2.83946394	-0.2048058	5.49E-09	4.37E-08	0.02	0.01	0.13	0.19	KAIL	chr2	islet cell autoantigen 1,69kDa	
ENSG00000179119.13	1.2104368	2.0731851	0.0015014	0.00598036	0.33	0.37	0.81	1.36	SPRY2D1	chr11	SPRY2, suppressor of Ty, domain containing 1 (S. cerevisiae)	
ENSG00000146991.15	-4.0519959	3.9634547	4.97E-13	2.1E-11	10.08	9.78	0.86	0.71	TAO3	chr10	tau protein kinase 3	
ENSG00000168006.18	1.0382661	3.49083653	0.0050862	0.0017434	1.73	2.1	4.27	6.25	CFSP	chr11	casein 7, acetoxy-related casein peptidase	
ENSG00000142046.13	1.86318399	1.2926326	1.65E-06	9.19E-06	0.43	0.25	1.4	1.47	TMEM81	chr10	transmembrane protein 81	
ENSG00000122035.6	3.5126311	1.41830209	6.19E-19	9.80E-18	0.1	0.3	0.3	0.6	RASL11A	chr1	RAS-like family 11, member A	
ENSG00000198768.9	-6.1863178	-2.4412039	4.74E-05	0.00020001	0.09	0.03	0	0	PCDD1L	chr20	adenomatous polyposis coli down-regulated 1-like	
ENSG00000133825.3	5.8502661	-0.2638411	1.44E-17	2.91E-16	0	0	0.99	1.36	RTP1	chr3	receptor (chemosensory) transducer 3	
ENSG00000138355.5	1.6343838	0.9410316	1.51E-15	1.42E-15	0.16	0.13	0.4	0.17	C2CD4A	chr1	C2 calcium-dependent domain containing 4A	
ENSG00000198668.9	1.65589956	3.43308405	5.22E-08	3.63E-07	2.05	1.77	7.62	8.46	RUT11	chr10	fucosyltransferase 11 (alpha 1,3 fucosyltransferase)	
ENSG0000026148.11	1.9568788	0.902146	0.0019815	0.00071331	26.5	16.5	12.7	12.7	HECTD1	chr10	HECT domain containing 1, E3 ubiquitin protein ligase 1	
ENSG00000173898.10	-2.8913668	0.89392093	2.43E-21	6.52E-20	45.29	45.06	7.99	8.21	SPIN2B	chr11	spinectin, beta, non-ubiquitin protein ligase 2	
ENSG00000198740.7	2.26623673	1.4725989	1.24E-10	1.23E-09	0.12	0.12	0.74	0.8	DNF262	chr17	zinc finger protein 652	
ENSG00000254142.2	1.4073213	5.6024874	0.0000000	0.0000000	0.25	0.25	0	0	RP11-53M11	chr17	antisense	
ENSG00000183092.14	-1.7741769	4.44636084	2.33E-09	1.94E-08	4.8	4.26	1.93	1.57	REGAIN	chr14	brain-enriched gap junction kinase-associated	
ENSG00000157654.16	-2.7846727	5.52342942	4.13E-19	9.35E-18	4.01	4.71	0.9	0.79	PALM2-AKA1	chr19	PALM2-AKA1 readthrough	
ENSG0000013456.11	-1.1818101	1.4583213	6.85E-06	3.48E-05	0.38	0.38	0.88	0.16	CD101	chr1	CD101 molecule	
ENSG00000273199.1	2.2426911	-0.0388459	4.29E-07	2.62E-06	0.12	0.45	2.15	0.45	21.6	AP000692.10 --	chr21	antisense
ENSG00000186399.10	6.02248524	-2.3787733	6.38E-05	0.0004052	0	0	0.07	0.2	GOLGA8R	chr15	golgin 88 family, member 8	
ENSG00000137972.14	2.4029627	-1.4636086	0.0039494	0.0013227	0.01	0.01	0.05	0.43	EMR4	chr15	seria domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	
ENSG00000135250.15	1.1584184	0.3821976	9.23E-05	0.00037325	1.59	2.05	4.8	6.04	SRPK2	chr7	SRSF protein kinase 2	
ENSG00000175354.17	1.00841712	3.62882246	0.0006193	0.00235824	1.3	1.73	3.18	5.02	TYMP2	chr18	protein tyrosine phosphatase, non-receptor type 2	
ENSG0000014507.8	1.4206275	-0.785321	1.11E-04	9.61E-09	0.53	0.62	0	0	CACZ	chr2	carbonic anhydrase II	
ENSG00000142552.6	-5.1203976	4.6019263	6.15E-47	7.23E-45	22.65	18.46	0.83	0.75	RCN3	chr19	reticulocalbin 3, EF-hand calcium binding domain	
ENSG0000015248.14	1.9687749	0.9089489	1.68E-07	4.06E-06	0.09	0.09	0.23	0.55	ATG10L	chr19	atrophagy related 10	
ENSG00000135436.7	1.75871785	-0.5609444	0.0002139	0.00080828	0.09	0.01	0.23	0.23	FAM196B	chr12	family with sequence similarity 196, member B	
ENSG00000153140.7	1.40773509	1.3921897	1.74E-05	8.08E-05	0.41	0.28	0.66	1.94	CTN3	chr1	centrin, EF-hand protein, 3	
ENSG00000168136.7	1.9462333	1.4941793	3.11E-11	3.00E-10	119.7	100.36	1.85	120.36	AT5	chr19	transcription factor 5	
ENSG00000114812.11	-3.9448273	1.31412037	1.15E-22	3.35E-21	0.98	1.27	0.1	0.1	WPR1	chr1	vasoactive intestinal peptide receptor 1	
ENSG0000029838.1	2.0637401	1.86237614	1.03E-09	9.01E-09	0.35	0.43	1.89	2.41	RP11-317N8	chr1	antisense	
ENSG00000146297.14	1.049171	6.0323338	0.001325	0.0005027	10.10	10.10	0.8	5.14	MEIO2	chr1	mediator complex subunit 22	
ENSG00000261455.1	1.7444558	1.32169	4.76E-07	2.89E-06	0.61	0.4	1.58	2.96	UNC10103	chr2	long interspersed non-protein coding RNA 1003	
ENSG00000111990.12	1.06931857	2.3444424	0.0006347	0.0020571	0.69	0.92	1.4	3.13	FGFR1OP2	chr1	FGFR1 open reading frame 2	
ENSG00000181250.11	1.4368477	1.4368477	1.52E-15	2.55E-14	0.11	0.11	0.03	2.08	LRRC7A	chr1	leucine rich repeat containing 75A	
ENSG00000151079.12	2.21681123	1.0437109	1.37E-09	1.18E-08	0.01	0.03	0.7	0.55	EPB415	chr2	erythrocyte membrane protein band 4.1 like 5	
ENSG0000024712.6	2.1391251	2.0249										

ENSG0000016669.12	1.45912845	2.48147764	3.32E-06	1.78E-05	0.15	0.19	0.43	0.84	FAM204A	family with sequence similarity 204, member A	chr10	protein_coding
ENSG0000016291.13	0.030625	0.030625	0.030625	0.030625	0.030625	0.030625	0.030625	0.030625	0.030625	proteoglycan and adipocyte receptor family member III	chr10	protein_coding
ENSG0000026260.1	-1.1545173	3.37046409	5.60E-07	3.36E-06	39.26	33.06	16.48	17.28	SNHG19	small nucleolar RNA host gene 19	chr19	lincRNA
ENSG0000016686.11	0.0269861	6.20018574	0.00036798	0.00132135	16.05	12.8	38.87	39.55	NAB2	NGF-A binding protein 2 (GR1 binding protein 2)	chr12	protein_coding
ENSG0000012143.11	0.1504941	0.0991064	0.22107	1.41E-05	17.19	19.01	14.1E-05	17.19	PNOL1	protein kinase N1	chr12	protein_coding
ENSG0000011728.10	3.1911251	0.81504983	1.51E-14	2.31E-13	0.15	0.02	0.7	1.39	GBP3	guanylate binding protein 3	chr1	protein_coding
ENSG0000025398.2	8.41378089	-0.4378572	3.10E-16	5.50E-15	0	0	0.67	0.62	HCAR3	hydroxy-carboxylic acid receptor 3	chr12	protein_coding
ENSG0000014807.14	-0.1537914	0.0042687	0.01798789	0.0001297	0.02	0.2	0.02	0.39	AAATF7	A kinase (PKA) anchor protein 7	chr1	protein_coding
ENSG0000016348.10	-1.1200611	3.84399975	5.16E-05	0.00021959	3.43	3.02	2.07	1.67	STK36	serine/threonine kinase 36	chr2	protein_coding
ENSG0000017539.13	-2.0871851	3.44317282	1.32E-11	1.46E-10	6.26	5.11	1.74	1.83	PHYPLK	5-phosphorylthreonine-L-lysine phospho-lyase	chr5	protein_coding
ENSG0000016668.13	6.24462216	2.07E-07	1.33E-06	2.6E-06	10.29	10.61	1.28	10.29	LMNK1	LM domain kinase 1	chr22	protein_coding
ENSG0000016877.10	1.96923626	3.68002266	1.22E-10	1.20E-09	1.4	1.48	7.23	7.79	ITCN2	testonic family member 2	chr12	protein_coding
ENSG0000274400.1	3.32911425	-0.7844277	7.88E-05	6.86E-09	0	0.03	0.16	0.27	RMSBP8	RMS binding protein 8	chr22	protein_coding
ENSG0000014337.11	1.0053292	1.41554057	0.0006301	0.00216312	1.2	1.43	3.74	3.27	SNOUT7	sorting nexin family member 27	chr1	protein_coding
ENSG00000090447.10	-1.0660894	6.70044932	0.0002086	0.00017658	49.61	53.61	32.86	32.7	TFAP4	transcription factor AP-4 (activating enhancer binding protein 4)	chr16	protein_coding
ENSG0000013936.14	-1.1197319	10.602462	8.90E-13	1.12E-11	22.61	23.21	7.75	70.0	PRP3A1	collagen alpha 1(Va) chain	chr9	protein_coding
ENSG00000181007.8	-6.9857411	-1.8421603	4.98E-08	3.47E-07	0.38	0.11	0	0	ZFRP2	ZFRP2 zinc finger protein	chr19	protein_coding
ENSG00000098676.10	1.4991829	4.04754727	4.29E-07	2.62E-06	2.32	2.48	7	11.06	DHX32	DEAH (Arg-Glu, Ala-His) box polypeptide 32	chr10	protein_coding
ENSG0000012539.15	-1.2487187	5.55450707	1.72E-05	8.10E-05	24.37	18.44	12.38	11.63	MPS1	mercaptopyruvate sulfolactonase	chr22	protein_coding
ENSG0000018247.7	-2.1207263	-1.7033196	0.0018671	0.00496952	0.11	0.12	0.02	0.05	CAPN12	calpain 12	chr19	protein_coding
ENSG0000010810.16	-3.306866	4.5553916	3.37E-25	1.18E-23	8.29	8.43	0.6	1.2	FYN	FYN proto-oncogene, Src family tyrosine kinase	chr6	protein_coding
ENSG0000012952.6	1.54413089	1.12743937	1.08E-05	5.13E-05	0.48	0.38	1.94	1.41	TGCB3	liger transposable element derived 3	chr1	protein_coding
ENSG0000012986.12	3.1096621	0.23981688	1.64E-11	1.80E-10	0.02	0.02	0.14	0.37	LTN1	retinol E3 ubiquitin protein ligase 1	chr21	protein_coding
ENSG0000014115.8	7.51419236	-1.2206655	3.23E-11	3.41E-10	0	0	0.17	0.27	RPB1	ribosomal protein L1, cellular	chr3	protein_coding
ENSG0000277786.1	4.1456989	-0.9907332	1.04E-09	1.22E-08	0	0	0.09	0.48	RP11-114f3.1	RP11-114f3.1	chr1	antisense
ENSG00000261189.1	1.53268788	-0.8031162	0.0021673	0.00603335	0.42	0.03	1.05	0.77	RP3-512B11..	long intergenic non-protein coding RNA 313	chr1	antisense
ENSG00000185186.7	-1.2247624	1.51434343	0.0002049	0.00075733	2.85	4.4	0.22	1.72	INT00313	zinc finger, ZZ-type containing 3	chr16	lincRNA
ENSG0000036549.11	1.4092474	0.45308319	0.0025313	0.0094088	0.08	0.18	0.35	0.55	ZZZ3	zinc finger, ZZ-type containing 3	chr1	protein_coding
ENSG00000186205.11	1.60523466	5.72547071	4.32E-08	3.03E-07	2.43	3.26	10.11	13.02	1-Mar	mitochondrial aminoside reducing component 1	chr1	protein_coding
ENSG0000017980.14	3.7233174	1.0716695	0.0004E-05	0.00039407	0.25	0.16	0	1.4	PEX1	peroxisomal biogenesis factor 1	chr1	protein_coding
ENSG0000025389.1	4.9102059	-0.0511096	0.0100455	0.02582742	0	0	0.08	0.02	C6orf3	CDP-diacetylacetylserine (phosphocholate cytidyltransferase) 1	chr6	antisense
ENSG000001636245	2.9498087	-0.3083938	1.09E-08	8.29E-08	0.04	0.02	0.32	0.27	COS1	CDP-diacetylacetylserine (phosphocholate cytidyltransferase) 1	chr6	protein_coding
ENSG00000170010.1	0.0442682	-1.2871236	6.78E-06	3.41E-05	1.94	1.19	0.17	1.19	CTD-212N1	isoate repeat (1, adult)	chr11	antisense
ENSG0000010195.10	-9.956573	9.35024374	1.50E-120	7.20E-117	736.41	601.29	1.3	0.5	FOLR1	folate receptor 1 (adult)	chr11	protein_coding
ENSG00000167017.7	1.2854973	2.4673758	3.65E-05	0.00016155	0.12	0.13	0.5	1.15	ACG3	arginate RSC catalytic component 3	chr11	protein_coding
ENSG00000105710.15	0.5389624	-0.5389624	2.10E-07	1.5E-06	25.4	23.32	11.94	10.89	ACF	acetyltransferase 1	chr16	antisense
ENSG00000272219.1	2.2711518	-1.8525306	0.0003791	0.00892022	0.02	0.05	0.26	0.17	RP1-181H17..	long intergenic non-protein coding RNA 313	chr1	antisense
ENSG0000027619.1	3.188642	4.7282023	2.11E-11	5.21E-20	0.48	0.11	0.48	0.66	RP11-42E23	long intergenic non-protein coding RNA 313	chr1	antisense
ENSG00000163746.10	-0.5371273	-2.9480397	0.0029522	0.00856312	0.12	0.02	0	0	PLSCR2	phospholipid scramblase 2	chr3	protein_coding
ENSG0000056098.16	-1.1077028	9.48571722	0.0011509	0.00540684	353.36	305.58	210.83	196.42	RPS19	ribosomal protein S19	chr19	protein_coding
ENSG0000017824.13	0.0442682	-1.2871236	6.78E-06	3.41E-05	1.94	1.19	0.17	1.19	CTD-212N1	isoate repeat (1, adult)	chr11	antisense
ENSG00000256824.1	-3.3207244	-2.763773	0.0043884	0.02489931	0.06	0.26	0.04	0	RP11-21A7A	long intergenic non-protein coding RNA 313	chr1	antisense
ENSG00000184840.10	1.22144847	-0.793174	0.0043884	0.0131077	0.02	0.17	0.17	0.4	PABPCB	PABP1 binding protein	chr11	protein_coding
ENSG00000159176.12	-1.1871114	0.80136973	3.76E-05	0.00016473	12.26	11.06	70.62	65.5	CRP1	coactivator and odv-like-1 nuclear	chr1	protein_coding
ENSG00000269425.1	4.9102059	-0.0511096	0.0100455	0.02582742	0	0	0.08	0.02	KCOT27927	highly divergent homeobox	chr19	antisense
ENSG0000016258.12	3.13267828	-2.7860236	0.0043884	0.02489931	0.06	0.26	0.04	0	INDEX	index	chr1	protein_coding
ENSG0000036054.11	2.1956631	0.97393744	4.43E-09	3.98E-08	0.08	0.2	0.61	1.09	TBC1D23	TBC1 domain family, member 23	chr1	protein_coding
ENSG0000017210.18	-0.614611	1.121520	1.12E-06	1.12E-06	45.1	45.1	7.53	0.11	AB4A3	AB4A3-like domain protein, member 3	chr19	protein_coding
ENSG00000264615.1	2.2731749	-0.1338471	5.64E-08	3.91E-07	0.06	0.08	0.32	0.59	ZNF616	zinc finger protein 616	chr19	protein_coding
ENSG00000163293.10	6.6972629	-1.8825742	3.73E-07	2.30E-06	0	0	0.04	0.11	NPAL1	NPA-like domain containing 1	chr1	protein_coding
ENSG0000017886.11	1.8825742	-2.8825742	0.0029522	0.00856312	0.12	0.02	0	0.02	ZNF223	zinc finger protein 223	chr19	protein_coding
ENSG0000050427.11	-1.1618602	2.75890304	1.73E-07	1.12E-06	3.14	3.15	3.16	0.37	DPN3	ocsin 3	chr1	protein_coding
ENSG00000236716.16	5.4792126	-2.7333202	0.0015808	0.0489521	0	0	0.09	0.04	PRKG1-AS1	PRKG1 antisense RNA 1	chr10	antisense
ENSG0000018044.4	-0.414013	0.6818522	0.0005406	0.0018794	0	0	0.1	0.18	C1orf80	chromosome 1 open reading frame 80	chr1	protein_coding
ENSG0000016926.8	-1.3011609	2.7651605	6.76E-06	3.40E-05	25.73	25.77	13.32	14.55	KLIF3	Kruppel-like factor 3	chr15	protein_coding
ENSG0000017948.6	-2.568495	0.2226531	1.07E-09	9.33E-09	0.3	0.37	0.07	0.08	INT000174	long intergenic non-protein coding RNA 174	chr1	lincRNA
ENSG00000106925.17	1.5154548	0.0002187	1.11E-05	0.0002187	0.28	0.14	0.28	0.11	T14	transducin-like enhancer of split 4	chr1	protein_coding
ENSG0000019806.13	2.5432049	0.5332481	6.53E-10	5.85E-09	0.03	0.04	0.17	0.38	PRARGC1A	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	chr1	protein_coding
ENSG0000066986.6	1.5696712	0.213758	0.0007123	0.00031943	0.43	0.43	0.43	0.43	ADAMTS-1	adomatosis protease 1	chr11	protein_coding
ENSG0000015526.10	1.7565762	2.4157193	3.78E-08	2.66E-07	0.12	0.21	0.67	0.81	ACAP2	adenomatosis protease 2	chr19	protein_coding
ENSG0000017886.11	-1.8825742	-1.8825742	3.73E-07	2.30E-06	0	0	0.04	0	NP11-495P11..	long intergenic non-protein coding RNA 313	chr1	lincRNA
ENSG0000016028.11	1.8825742	-1.8825742	3.73E-07	2.30E-06	0	0	0.04	0	NP11-495P11..	long intergenic non-protein coding RNA 313	chr1	lincRNA
ENSG0000027138.1	4.72173804	-3.1445547	0.0188873	0.04519557	0	0	0.24	0.08	RP11-43505..	long intergenic non-protein coding RNA 313	chr1	lincRNA
ENSG0000017886.12	1.2933915	5.76364971	8.52E-06	4.20E-05	7.26	6.93	23.47	22.89	PAPBP1	poly (ADP-ribose) polymerase family, member 10	chr6	protein_coding
ENSG00000122870.10	1.2933915	5.76364971	8.52E-06	4.20E-05	7.26	6.93	23.47	22.89	PAPBP1	poly (ADP-ribose) polymerase family, member 10	chr6	protein_coding
ENSG0000012487.12	-2.2817212	1.5305196	6.61E-14	9.13E-13	14.42	12.37	3.67	3.8	PXV6	peroxisomal biogenesis factor 6	chr1	protein_coding
ENSG0000010205.9	2.1964976	8.93536854	1.31E-13	1.79E-12	29.59	45.26	27.34	22.02	MEH1	neurofilament, heavy polypeptide	chr22	protein_coding
ENSG0000014357.19	1.8948018	9.8486018	9.38E-08	5.98E-07	3.12	3.29	4.2	14.03	PCD	polychaeta-specific dyshemoglobins	chr1	protein_coding
ENSG0000014822.10	5.0417582	-2.9626774	0.0100455	0.02582742	0	0	0.08	0.02	TC1E1	t-complex-associated-testis-expressed 1	chr1	protein_coding
ENSG0000014690.1	-1.818704	3.9273062	1.64E-06	1.40E-08	23.4	21.2	7.57	9.22	LOM	luciferase	chr10	protein_coding
ENSG0000014406.11	1.97726843	4.86070136	1.12E-05	6.39E-05	0.35	0.52	1.58	1.65	ANGEL2	angel homolog 2 (Drosophila)	chr1	protein_coding
ENSG0000017818.8	8.9561781	0.02973013	6.55E-21	1.68E-19	0	0	0.73	0.47	DVCL1	ovo-like zinc finger 1	chr11	protein_coding
ENSG0000010333.15	-2.4462026	0.0004382	0.0004382	0.0004382	0.02	0.02	0.02	0	PCNA	proliferating cell nuclear antigen	chr1	protein_coding
ENSG0000017655.12	1.7287474	0.0042738	3.58E-05	0.0001572	0.11	0.06	0.37	0.4	DUSP18	dual specificity phosphatase 18	chr22	protein_coding
ENSG00000180263.12	4.293105	0.2547439	2.90E-16	5.17E-15	0	0	0.02	0.27	FDGE	FYVE, RhoGEP and PH domain containing 6	chr12	protein_coding
ENSG0000020452.4	-1.252825	0.0004382	0.0004382	0.0004382	0.02	0.02	0.02	0	LRG7	leucine rich repeat containing 7	chr1	protein_coding
ENSG0000016527.11	-1.1291912	0.6493334	9.32E-05	0.00037686	19.67	18.6	11.55	11.77	NOL6	nucleolar protein 6 (RNA-associated)	chr9	protein_coding
ENSG0000013760.14	2.0012332	0.8126209	1.21E-07	8.04E-07	0.07	0.11	0.34	0.66	MEK1	NIMA-related kinase 1	chr4	protein_coding
ENSG0000018842.7	1.2925252	0.0018704	0.0005406	0.0018704	0	0	0.1	0.45	ARL4A	ADP-ribosylation factor-like 4C	chr1	protein_coding
ENSG0000008280.17	-1.1219513	0.3365782	2.33E-05	0.00010563	274.14							

[illegible]

ENSG0000014374.14	1.9095995	6.91408382	0.00015272	0.0008987	26.2	28.35	68.58	86.61	ETFA	electron-transfer-flavoprotein, alpha polypeptide	chr15	protein_coding
ENSG00000170614.13	1.9095995	6.91408382	0.00015272	0.0008987	15.4	16.04	7.57	84	NDST1	N-deacetylase-N-sulfotransferase (heparan glucosaminyl)	chr14	protein_coding
ENSG0000013943.19	-2.9876658	4.14133024	3.386E-21	8.96E-20	5.72	5.67	0.83	1.08	C14orf159	chromosome 14 open reading frame 159	chr14	protein_coding
ENSG00000189057.9	4.0580384	1.17221808	5.22E-21	1.38E-19	0.05	0.06	0.69	1.76	FAM1118	family with sequence similarity 111, member B	chr14	protein_coding
ENSG00000274818.1	1.2482492	2.9868509	0.00015272	0.0008987	17.78	18.1	18.59	17.78	RP1-292J20	transcript variant 2	chr14	lincRNA
ENSG00000047346.11	3.3676779	0.24176094	5.99E-13	7.64E-12	0.01	0.04	0.18	0.41	FAM214A	family with sequence similarity 214, member A	chr15	protein_coding
ENSG00000279765.2	2.5497941	1.4825111	1.82E-12	2.23E-11	0.76	0.81	0.34	5.93	RP1-43781	transcript variant 1	chr15	protein_coding
ENSG00000158006.12	1.9581794	3.77216988	5.09E-06	2.01E-05	4.28	4.18	2.38	1.98	PANX2	panx2, activating factor acetylcholinesterase 2, 400Aa	chr15	protein_coding
ENSG0000011860.14	4.73595578	1.4554304	1.96E-07	1.28E-06	0	0	0.05	0.1	CEP85L	centrosomal protein 85kDa, cy1	chr16	protein_coding
ENSG0000013840.17	-1.75723	6.3702922	5.79E-06	6.00E-08	64.40	56.73	25.93	23.3	STGALNAC	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 4	chr16	protein_coding
ENSG0000025495.1	5.5676781	0.0849189	0.00015272	0.0008987	0.47	0.47	0.00015272	0.47	KOZD941.1	transcript variant 1	chr16	lincRNA
ENSG0000014508.11	2.2228842	0.03204549	8.19E-08	5.55E-07	0.08	0.07	0.33	0.61	ZNFX300	zinc finger protein 300	chr16	protein_coding
ENSG0000027308.1	-2.3180397	1.04841374	2.45E-13	2.3E-09	0	0	0.38	0.98	RP1-201K1	transcript variant 1	chr16	lincRNA
ENSG000002738.11	3.90783676	-2.6152287	0.00943894	0.0246931	0.01	0	0.01	0.08	RP11-305J7	transcript variant 1	chr16	lincRNA
ENSG00000104321.9	-5.2227349	-1.4452014	4.59E-09	3.61E-08	0.08	0.12	0.01	0	TRPA1	transient receptor potential cation channel, subfamily A, member 1	chr16	protein_coding
ENSG00000182324.6	1.0228512	2.42569794	0.00093899	0.0010467	1.32	1.35	0.91	0.84	KCMB14	cosmosch channel, inwardly rectifying subfamily 1, member 14	chr19	protein_coding
ENSG00000133114.16	1.91415901	1.483419	3.09E-08	2.20E-07	0.06	0.16	0.37	0.69	GPLAPP1	GPLAPP motifs containing 1	chr13	protein_coding
ENSG0000013272.12	-1.4895958	4.22124447	7.24E-07	4.20E-06	6.71	7.56	3.5	3.37	THGIL	RNA-histidine guanylyltransferase 1-like (S. cerevisiae)	chr13	protein_coding
ENSG0000018951.8	1.94954659	0.20137719	6.69E-06	3.34E-05	0.13	0.13	0.5	0.77	ZNF557	zinc finger protein 557	chr19	protein_coding
ENSG00000102108.1	1.56224158	-0.1723688	0.00171238	0.00532903	0.12	0.18	0.37	0.8	PI4KB	phosphatidylinositol 4-kinase type 2 beta	chr14	protein_coding
ENSG00000169720.1	2.14388032	-1.1389948	0.0015583	0.00060009	0	0.26	0.49	1.05	CTD-2521M	transcript variant 1	chr19	lincRNA
ENSG0000028984.1	2.74446279	-2.5426929	0.0014899	0.00541921	0	0.1	0.81	0.12	AP004521.1	transcript variant 1	chr19	lincRNA
ENSG00000151320.9	2.07106092	-1.5504408	0.0013983	0.00045609	0	0.01	0.03	0.03	AKAP6	A kinase (PKA) anchor protein 6	chr14	protein_coding
ENSG00000186522.13	2.1151382	2.2239398	1.98E-10	2.98E-09	0.22	0.51	0.13	3.05	10-SEP	sestria 10	chr12	protein_coding
ENSG0000016276.15	3.92194507	-2.077274	5.08E-05	0.00021969	0.01	0.09	0.18	0.13	MORF8	morfinin-resembling associated 8	chr12	protein_coding
ENSG00000138375.11	-1.1415423	4.02565337	0.0010828	0.00043261	4.9	6.01	3.47	3.1	SMARCA1	SMN/SMN-related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	chr2	protein_coding
ENSG0000007150.16	1.94954659	0.20137719	6.69E-06	3.34E-05	0.13	0.13	0.5	0.77	ZNF557	zinc finger protein 557	chr19	protein_coding
ENSG0000015529.20	1.66328239	3.08135507	6.54E-08	4.50E-07	1.13	1.18	4.82	4.92	GRP75-AS3	GRP75-AS3 readthrough	chr20	protein_coding
ENSG00000197712.10	-1.201086	3.6510549	1.50E-06	7.09E-05	2.9	4.12	1.98	1.83	FAM114A1	family with sequence similarity 114, member A1	chr4	protein_coding
ENSG00000174745.5	-1.243685	7.03652298	3.41E-06	1.80E-05	72.84	67.45	38.3	0.21	CATF2	catenin transcription factor 2	chr4	protein_coding
ENSG0000027553.1	-1.483209	-1.08003	0.0587472	0.01613343	0.94	1.17	0.79	0.22	CTB-58E17.3	transcript variant 3	chr17	antisense
ENSG0000011626.15	-4.4867843	0.0474009	3.92E-17	7.48E-16	0.36	0.3	0.04	0	PROM2	promatin 2	chr2	protein_coding
ENSG00000250646.10	1.637571	8.5049652	1.89E-09	1.38E-07	19.33	83.89	81.89	82.88	DNAI2	DNA2 associated protein 1	chr19	protein_coding
ENSG00000204528.10	-1.8114697	11.0521133	5.94E-10	5.34E-09	1505.79	1349.99	554.73	529.09	GNBL2	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	chr5	protein_coding
ENSG00000178902.10	5.19377	5.8452528	1.98E-09	1.27E-08	16.29	18.19	58.41	79.17	DCUN1D5	DCUN1 defective in cullin neddylation 1, domain containing 5	chr11	protein_coding
ENSG0000022458.6	2.5819318	3.8313138	8.80E-07	0.00020255	0.08	0.21	0.45	0.56	TMTD13	RNA methyltransferase 13 homolog 5 (S. cerevisiae)	chr1	protein_coding
ENSG0000016982.12	-1.3459025	5.18464684	3.98E-06	2.08E-05	19.72	20.21	9.75	11.21	TSTP1	transcript variant 1	chr1	protein_coding
ENSG00000276027.1	-0.3642923	1.0347483	0.0010828	0.00043261	4.9	6.01	3.47	3.1	SMARCA1	SMN/SMN-related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	chr2	protein_coding
ENSG0000018908.12	1.4709438	2.01455707	5.38E-06	2.74E-05	0.22	0.23	0.61	0.16	PIGP	phosphatidylinositol glycan anchor biosynthesis, class P	chr21	protein_coding
ENSG0000010506.18	2.2065141	-0.404534	3.69E-06	1.93E-05	0.04	0.1	0.12	0.18	WAF2C2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	chr20	protein_coding
ENSG00000126603.7	1.2169879	5.53704167	8.75E-13	3.13E-11	14.4	13.5	4.44	1.9	GUSL4	GUSL4 family zinc finger 2	chr15	protein_coding
ENSG000002778.12	2.71911887	-1.067754	5.07E-06	2.60E-05	0.41	0	1.73	2.1	RP11-775C2	transcript variant 2	chr15	lincRNA
ENSG00000125691.11	-1.0006407	9.6251043	0.00048071	0.00188228	278.22	271.68	176.37	190.18	RLP23	ribosomal protein L23	chr17	protein_coding
ENSG00000107222.17	1.637571	8.5049652	1.89E-09	1.38E-07	19.33	83.89	81.89	82.88	DNAI2	DNA2 associated protein 1	chr19	protein_coding
ENSG00000137573.12	-8.3722983	-0.6245513	1.29E-16	2.10E-15	0.27	0.05	0	0	SULF1	sulfatase 1	chr8	protein_coding
ENSG00000165629.11	2.14844417	-0.1373907	2.21E-07	1.41E-06	0.02	0.06	0.09	0.45	TCN4	tandem C2 domains, nuclear	chr14	protein_coding
ENSG00000147124.11	1.4382741	0.4593467	0.0012743	0.00020255	0.08	0.21	0.45	0.56	ZNF46	zinc finger protein 46	chr1	protein_coding
ENSG00000163191.5	-1.6671328	4.5722619	1.08E-08	8.20E-08	628.56	830.72	349.77	259.11	S100A11	S100 calcium binding protein A11	chr1	protein_coding
ENSG00000164330.15	1.4829195	-1.7842079	0.0010828	0.00043261	4.9	6.01	3.47	3.1	SMARCA1	SMN/SMN-related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	chr2	protein_coding
ENSG00000123443.11	-7.6965424	3.1473065	6.63E-18	4.4E-15	14.02	8.79	0.05	0.09	C4BPB	complement component 4-binding protein, beta	chr1	protein_coding
ENSG00000231728.3	5.44044058	-2.7547732	0.0029052	0.00856312	0	0	0	0.25	LIDNKC01-1	transcript variant 1	chr1	antisense
ENSG0000008566.11	1.8429195	-1.0407683	6.63E-12	7.96E-11	0.2	0.02	0.01	0.02	SYN1	synapsin 1	chr11	protein_coding
ENSG00000125830.1	-1.286006	2.260E-07	1.32E-06	0.08	0	0.83	1.1	11	RP11-3150E6	transcript variant 6	chr11	antisense
ENSG00000149531.13	-4.662729	0.9013842	2.51E-23	7.69E-22	2.12	3.51	0.25	0.05	FRG18	FRSH region gene 1 family, member B	chr10	protein_coding
ENSG0000015116.8	1.637571	8.5049652	1.89E-09	1.38E-07	19.33	83.89	81.89	82.88	DNAI2	DNA2 associated protein 1	chr19	protein_coding
ENSG00000189897.10	2.28521885	0.89879837	1.54E-09	1.32E-08	0.04	0.19	0.61	0.86	NEDD1	neural precursor cell expressed, developmentally down-regulated 1	chr12	protein_coding
ENSG0000017488.11	1.2631898	2.5540945	4.92E-05	0.00020141	0.42	0.72	1.87	1.77	FRW8	fork-box and WD repeat domain containing 8	chr12	protein_coding
ENSG00000107042.11	1.4382741	0.4593467	0.0012743	0.00020255	0.08	0.21	0.45	0.56	TMTD13	RNA methyltransferase 13 homolog 5 (S. cerevisiae)	chr1	protein_coding
ENSG0000027555.11	1.2429843	5.13536697	2.00E-05	9.20E-05	22.81	17.75	6.22	6.65	GFN5	GFN5-like 5	chr16	protein_coding
ENSG0000017282.6	4.5021293	-1.7842079	0.0010828	0.00043261	4.9	6.01	3.47	3.1	SMARCA1	SMN/SMN-related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	chr2	protein_coding
ENSG0000010388.14	2.74854268	3.80057526	3.86E-18	7.99E-17	0.46	0.32	3.48	3.55	CMIP	cell migration inducing protein, hvaluronan binding	chr15	protein_coding
ENSG00000139139.9	-3.26662	-1.0182238	3.09E-08	2.20E-07	0.04	0.05	0.01	0	DNAH5	dynamin, axonemal, heavy chain 5	chr5	protein_coding
ENSG0000018770.5	1.0081671	1.6102022	0.0010828	0.00043261	4.9	6.01	3.47	3.1	SMARCA1	SMN/SMN-related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	chr2	protein_coding
ENSG00000231536.1	1.9311289	-1.568623	0.0006303	0.0020807	0.32	0	0.64	1.06	AC123886.2	transcript variant 2	chr14	antisense
ENSG00000189070.9	-3.1101013	-0.5266283	1.01E-09	8.82E-09	0.02	0.04	0	0	RLR2	ribonucleon leucine rich transmembrane protein 2	chr14	protein_coding
ENSG0000018377.15	1.637571	8.5049652	1.89E-09	1.38E-07	19.33	83.89	81.89	82.88	DNAI2	DNA2 associated protein 1	chr19	protein_coding
ENSG00000225891.1	2.99529641	-2.6745053	0.00943894	0.0246931	0	0	0.05	0.18	APR2-476K3.3	transcript variant 3	chr1	antisense
ENSG0000012465.6	-1.5309821	6.1484682	1.53E-07	1.00E-06	90.78	85.59	43.09	38.02	ARL2	ADP-ribosylation factor-like 2	chr11	protein_coding
ENSG0000025168.1	1.3111228	0.00015272	0.0008987	0.0008987	0	0	0.05	0	CASC19	cancer susceptibility candidate 19 (non-protein coding)	chr1	antisense
ENSG00000174258.8	-1.8476241	4.85059427	5.51E-10	4.98E-09	24.97	21.3	8.82	8.31	ZNF581	zinc finger protein 581	chr19	protein_coding
ENSG0000017261.5	2.8565956	-0.9672566	3.95E-05	0.00012733	0.03	0.48	0.8	0.57	CFAP53	cat and flagella associated protein 53	chr18	protein_coding
ENSG0000015188.8	1.9213610	0.2901761	3.41E-01	2.74E-08	0.09	0.59	3.72	3.25	CMPS	guanosine monophosphate reductase 5	chr1	protein_coding
ENSG00000243477.4	-1.009728	3.70715429	0.0004818	0.00220298	7.61	6.99	5.14	4.09	NAT6	N-acetyltransferase 6 (GCN5-related)	chr1	protein_coding
ENSG0000008960.10	1.9213610	0.2901761	3.41E-01	2.74E-08	0.09	0.59	3.72	3.25	CMPS	guanosine monophosphate reductase 5	chr1	protein_coding
ENSG00000157168.17	1.0464485	0.88920406	0.00288877	0.00879425	0.12	0.08	0.18	0.38	NRC1	neurexin 1	chr16	protein_coding
ENSG00000187808.4	5.3556893	0.9797384	3.32E-25	1.18E-23	0.03	0.05	2.66	2.39	SOX4HD	sox4 homologous ankyrin repeat domain family D	chr1	protein_coding
ENSG0000013025.11	1.3111228	0.00015272	0.0008987	0.0008987	507.19	566.89	294.7	294.75	RP11-305J7	transcript variant 1	chr15	lincRNA
ENSG00000128965.10	-1.6143027	4.28983629	5.84E-08	4.05E-07	11.88	11.29	5.95	4.1	CHAC1	Chac diathione-specific domain-oligomannosyltransferase 1	chr15	protein_coding
ENSG0000013368.14												

ENSG0000024659.6	-1.0263624	5.13447156	0.00039154	0.00139818	27.36	0	26.08	15.46	19.6	TBBC	tubulin folding cofactor- (Y)	chv6	protein_coding
ENSG00000273034.1	-1.3787282	-2.9446611	0.00000000	0.00000000	0	0	0	0	0	RFP11-1756K		chv6	TEC
ENSG0000015740.18	1.92718826	3.21316122	5.71E-10	5.14E-09	0.25	0.4	1.44	1.44	1.85	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	chv12	protein_coding
ENSG000002518182.8	-44755733	-0.518271	8.36E-14	1.18E-12	0.06	0.06	0	0	0	MUC5AC	mucin 5AC, oligomer mucous/gel-forming	chv11	protein_coding
ENSG00000273969.17	1.3333345	3.1333345	4.58E-05	4.76E-05	0.45	0.45	0	0	589	NFST	N-ethylmaleimide-sensitive factor	chv12	protein_coding
ENSG0000006361.31	4.3181262	3.3626934	8.74E-34	4.83E-32	0.09	0.12	3.08	2.55	18R83	erb-B receptor tyrosine kinase 3	chv12	protein_coding	
ENSG00000247446.4	6.33097282	-2.1624822	8.95E-06	4.38E-05	0	0	0.08	0.07	UGSP1	ubiquitin specific peptidase 51	chvX	protein_coding	
ENSG00000156709.12	6.86313733	3.1333345	0.00000000	0.00000000	41.24	38.61	0	0	26.1	ARAF1	acetoacetic acid decarboxylase, mitochondrial-associated, 1	chv1	protein_coding
ENSG00000155339.9	-6.4354995	-2.265336	5.19E-06	2.66E-05	0.04	0.06	0	0	0	TACR1	tachykinin receptor 1	chv2	protein_coding
ENSG00000197631.1	1.22289253	2.6103636	5.31E-05	0.00022336	1.93	0.96	2.86	4.21	TNNR3D	tetranin reductase 3	chv3	protein_coding	
ENSG0000046401.15	3.1333345	6.20191742	5.45E-06	2.78E-05	0.07	0.07	20.74	181.89	CTSA	cathesin A	chv20	protein_coding	
ENSG00000289564.1	1.3788992	-1.0804627	0.00224023	0.00360662	0.78	0.25	1.4	2.22	MAN2C1	mannosidase, alpha class 2C, member 1	chv15	crossed transcript	
ENSG0000027724.1	181.68437	0.31147108	5.40E-06	2.78E-05	0.98	1.19	6.14	0.47	HSIT2H	histone cluster 1, H2b	chv1	protein_coding	
ENSG0000045241.9	2.8986454	0.34049002	4.23E-11	4.41E-10	0.02	0.04	0.18	0.46	CNCPG	centromeres protein C	chv12	protein_coding	
ENSG00000257509.1	3.496945	-2.3667948	0.0011221	0.00364442	0	0.05	0.42	0.51	RP11-76217-1		chv12	sense_intronic	
ENSG00000202734.9	-1.05601	6.5172228	0.0034949	0.00301296	50.26	59.01	28.02	42.32	STRAP	serine/threonine kinase receptor associated protein	chv12	protein_coding	
ENSG00000165476.11	1.55475132	3.29202346	3.50E-07	2.17E-06	0.58	0.96	2.29	3.73	REEF3	receptor accessory protein 3	chv10	protein_coding	
ENSG0000049696.12	-1.1081664	9.06209204	0.0001147	0.00045549	237.63	235.33	143.19	149.28	CLPTM1L	CLPTM1-like	chv5	protein_coding	
ENSG0000017616.16	2.1961242	12.1066319	2.61E-12	3.14E-11	0.82	1.24	4.89	7.73	ESRP1	arginine/serine-rich protein 1	chv1	protein_coding	
ENSG00000108379.8	3.1704607	2.69363074	2.13E-05	9.71E-05	0.66	1.11	2.89	2.96	WN13	wntless-type MMVT interaction site family, member 3	chv17	protein_coding	
ENSG00000290802.1	2.19451222	2.24082143	3.00E-11	3.19E-10	12.84	23.05	109.34	108.93	MT-IT1	mitochondrially encoded tRNA leucine 1 (UAU/G)	chv17	protein_coding	
ENSG0000026498.1	5.07737531	-2.9633201	0.0038165	0.00488951	0	0.1	0.16	0.14	0.08	RP11-459M2		chv17	lncRNA
ENSG00000272973.1	-3.8872927	-2.443399	0.0066294	0.00226478	0.61	0.05	0.75	0	0	K6-112SA3.1		chv22	antisense
ENSG00000157111.1	2.5063961	2.8195952	2.94E-13	3.89E-12	1.27	1.13	7.78	6.57	TMEM71	transmembrane protein 171	chv5	protein_coding	
ENSG00000103531.3	5.2829886	1.7350642	1.83E-20	4.37E-19	54.9	54.9	0	0	4756	FOXO2D2	FAD-dependent oxidoreductase domain containing 2	chv2	protein_coding
ENSG00000117697.13	10.2224872	1.5065787	0.00203474	0.006229	0.44	0.41	0.93	1.4	NSL1	NSL1, MIS12 kinetochore complex component	chv1	protein_coding	
ENSG00000136811.11	3.4003047	3.107903	1.06E-23	3.42E-22	0.01	0.16	1.14	2.41	REK2	iron-responsive element binding protein 2	chv15	protein_coding	
ENSG00000186497.7	-6.011925	1.2174639	3.52E-22	1.01E-30	0.7	0.73	0	0.03	GNCG	guanine nucleotide binding protein (G protein), gamma 2	chv14	protein_coding	
ENSG00000161511.11	-2.9473292	6.7281532	6.64E-22	1.84E-20	56.7	4.95	94.3	8.91	RN1L	Ras and Rab interactor 1	chv11	protein_coding	
ENSG0000044785.12	-1.8784515	5.84750334	1.95E-10	1.87E-09	21.41	21.07	7.66	0.13	ZNF577	zinc finger protein 577	chv19	protein_coding	
ENSG0000016315.10	-1.4549596	4.60412758	8.13E-07	4.74E-06	11.42	115.7	5.8	5.36	LYSM1	lysyl, putative peptidocarbonyl-binding, domain containing 1	chv19	protein_coding	
ENSG00000274487.1	6.0504082	0.86810729	8.12E-07	3.15E-05	0.03	0.02	1.11	1.31	RP11-45121.1		chv19	protein_coding	
ENSG00000270991.1	6.63760135	-1.9357476	6.25E-07	3.72E-06	0	0	0.8	0	0	RP11-78072-1		chv17	lncRNA
ENSG0000024606.2	6.5606	5.3334744	0.00028768	0.0009318	68.82	63.5	46.95	37.71	HUGO	HUG1 hypoxia inducible domain family, member 2A	chv17	protein_coding	
ENSG00000235315.1	-1.7099941	-1.576721	0.11E-09	9.01E-09	0.07	1.09	0	0	UNCO1518	long interspersed non-protein coding RNA 1518	chv10	lncRNA	
ENSG00000165630.12	1.68590064	2.18449056	2.00E-07	1.28E-05	0.51	1.44	3.26	5.08	RRP18	pre-mRNA processing factor 18	chv10	protein_coding	
ENSG0000017725.15	6.16319027	1.7350642	0.0007416	0.00034039	1.53	15.03	24.51	2.46	PDCC1	Parkinson disease 7 domain containing 1	chv11	protein_coding	
ENSG00000271129.8	-2.3141844	3.00698801	2.69E-13	3.37E-12	11.38	60.1	2.32	2.35	EDN2	endothelin 2	chv1	protein_coding	
ENSG0000015494.7	-4.2189588	10.4005471	7.54E-39	5.40E-37	224.81	232.05	167	15.96	FN1	fibronectin	chv2	protein_coding	
ENSG00000062636.11	2.9447289	3.64849173	2.41E-10	5.00E-08	1.3	4.52	0	0.57	DDX18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	chv2	protein_coding	
ENSG0000036357.16	1.28248313	-1.4868108	0.00061439	0.00211279	0.03	0.07	0.33	0.33	CEBP6	CCAAT/enhancer binding protein (CEBP), epsilon	chv14	protein_coding	
ENSG0000010306.16	3.72752041	0.1349546	1.17E-13	1.62E-12	0.02	0.03	0.17	0.12	SGO2L	shc-like protein 2 (S. pombe)	chv14	protein_coding	
ENSG00000171034.1	-2.1249443	-2.8887783	0.0038165	0.00488951	0.24	0.24	0	0.21	RP11-419B17		chv6	lncRNA	
ENSG00000119405.12	3.17484261	-1.9503366	0.00016274	0.00062431	0.01	0	0.06	0.11	UGA	leucine 4	chv13	protein_coding	
ENSG0000026566.2	1.82746309	-0.0871525	1.91E-05	8.80E-05	0.07	0.15	0.54	0.5	RP11-206G3-1		chv16	3prime-overlapping_nona	
ENSG00000168917.8	1.08896336	2.93711961	0.0007416	0.00034039	1.53	15.03	24.51	6.8	SLC35C2	solute carrier family 35, member G2	chv17	protein_coding	
ENSG00000118860.11	1.27026566	6.89881273	1.12E-05	5.38E-05	30.36	33.94	90.13	117.11	MYL12B	myosin, light chain 12B, regulatory	chv18	protein_coding	
ENSG00000180710.13	2.2141454	0.0017076	0.0007416	0.00034039	1.53	15.03	24.51	6.8	CTP29D	centrosomal protein 29DQ4	chv18	protein_coding	
ENSG0000012304.9	1.1183345	4.5280803	0.00012399	0.00050989	5.05	6.6	351	3.63	ACOT13	acyl-CoA thioesterase 13	chv18	protein_coding	
ENSG00000187601.4	-3.2389362	-2.2710156	0.00108225	0.0035312	0.16	0.16	0.02	0.02	MAGEH1	melanoma antigen family H1	chv18	protein_coding	
ENSG00000186339.7	-1.1900467	2.15E-06	1.57E-07	0	0.27	0.2	0.05	0.01	TCN4	transcobalamin II	chv22	protein_coding	
ENSG00000133083.13	-4.3861857	-1.4146018	2.42E-08	1.75E-07	0.04	0.07	0.01	0	DCXK1	doulacortin-like kinase 1	chv13	protein_coding	
ENSG00000188959.6	-2.9691886	-0.9149711	1.36E-07	8.82E-07	0.67	0.21	0.02	0.07	FAM78F	family with sequence similarity 78, member B	chv1	protein_coding	
ENSG0000024117.2	1.8249149	1.6289164	1.39E-07	1.36E-06	11.3	14.5	5.45	5.05	RNASEH1A	RNAse H1, antisense RNA 1	chv1	protein_coding	
ENSG00000209108.19	2.09631944	1.63638382	1.19E-09	1.03E-08	0.44	0.32	1.68	2.68	SCFD1	sccl family domain containing 1	chv14	protein_coding	
ENSG00000268713.1	2.24976171	0.35307282	5.79E-08	4.01E-07	0.19	0.29	1.04	2.01	CT-444N24-1		chv19	lncRNA	
ENSG00000109826.12	1.5447719	0.42020438	1.61E-07	1.13E-12	0.13	0.13	5.45	6.81	MPF19	peripheral myelin protein 19	chv17	protein_coding	
ENSG00000214940.7	-4.8073937	-3.2306674	0.00189873	0.00419567	0.03	0.07	0	0	NPR4B	nuclear pore complex interacting protein family, member A8	chv16	protein_coding	
ENSG00000104933.12	1.27417895	0.73502485	0.0007416	0.00034039	1.53	15.03	24.51	6.8	DMAL2	deaf 2	chv25	protein_coding	
ENSG00000079482.12	1.0605995	1.77352262	0.00104254	0.00341232	0.21	0.23	0.55	0.69	OPHN1	oligochannel 1	chv22	protein_coding	
ENSG00000277971.11	1.4062639	1.70273736	1.91E-05	8.80E-05	24.9	1.85	7.26	8.16	USCBP-BS62	ultrastructural core-binding protein 2	chv22	protein_coding	
ENSG00000186767.3	2.64125019	0.4318886	6.52E-14	2.53E-09	0.1	1.1	0	0.86	HIST2H4G	histone cluster 1, H2ag	chv1	protein_coding	
ENSG00000198346.9	-4.7336662	-1.804509	1.01E-06	5.06E-06	0.04	0.08	0.01	0	ZNF813	zinc finger protein 813	chv19	protein_coding	
ENSG00000189079.14	1.89884473	1.62199709	2.81E-08	2.02E-07	0.11	0.12	0.07	0.58	ARID2	AT1 rich interactive domain 2 (ARID, RFX-like)	chv12	protein_coding	
ENSG0000013133.9	1.9248728	1.9248728	3.72E-06	2.63E-05	5.45	28.6	0	24.5	HNRT2	histone triad nucleotide-binding protein 2	chv19	protein_coding	
ENSG00000235363.2	5.3327207	-2.815818	0.00292027	0.00856312	0	0	0.07	0.11	NOG2-1-AS1	NOG2-1 antisense RNA 1	chv14	antisense	
ENSG0000056548.16	1.07108307	3.66214148	0.00031301	0.00113536	2.76	3.38	5.56	11.77	ZC3H15	zinc finger CCHC-type containing 15	chv19	protein_coding	
ENSG00000138446.10	1.90204227	0.00271598	0.0007416	0.00034039	1.53	15.03	24.51	6.8	ITGA7	integrin alpha 7	chv12	protein_coding	
ENSG00000279406.1	1.68021612	2.10959701	2.30E-07	1.46E-06	0.77	0.76	0.77	2.99	RP11-327E2		chv10	TEC	
ENSG00000198861.6	-10.40879	1.3524481	1.73E-38	1.21E-36	2.48	2.48	0	0	MAGEA1	melanoma antigen family A1	chvX	protein_coding	
ENSG00000147016.16	-2.1239464	5.5370255	1.39E-06	1.36E-05	14.59	13.02	2.28	1.94	ATP2AP4	ATPase, Ca++ transporting, ubiquitous	chvX	protein_coding	
ENSG00000175093.4	8.2761737	-0.559313	4.08E-15	6.58E-14	0	0	0.41	0.46	SPR54	spRNA/lysine receptor domain and SOCS box containing 4	chv10	protein_coding	
ENSG00000158111.1	1.0007682	1.7546385	0.0007416	0.00034039	1.53	15.03	24.51	6.8	CFR3	cellular fibronectin receptor 3	chv10	protein_coding	
ENSG0000017045.11	-1.0737721	7.6168059	0.00018753	0.00071119	44.63	39.36	25.4	27.85	HARS	histidyl-tRNA synthetase	chv1	protein_coding	
ENSG0000009284.12	9.0744289	0.4241563	1.61E-79	1.04E-76	0.17	0.17	30.34	30.34	H2AFY2	H2A histone family, member Y2	chv10	protein_coding	
ENSG00000139319.11	1.79687	2.9713148	0.0007416	0.00034039	1.53	15.03	24.51	6.8	SEPRNE2	SEPRN2, plasminogen activator inhibitor type 11 member 2	chv16	protein_coding	
ENSG0000018777.9	4.36185332	5.0079062	2.98E-18	6.25E-17	0.04	0	0.58	0.55	ABCC2	ATP-binding cassette, sub-family G (WHITE), member 2 (Unimultibid auroc)	chv1	protein_coding	
ENSG0000020370.11	1.96315654	-0.8781721	0.00024665	0.00091688	0.03	0.06	0.11	0.39	GORAB	golgin, RAB6-interacting	chv1	protein_coding	
ENSG00000171034.1	2.1085139	0.5466943	7.59E-08	5.17E-07	0								

ENSG00000197275.11 1.69326667 0.1894749 3.00E-05 0.0003327 0.05 0.11 0.26 0.43 RAD54B RAD54 homolog B (S. cerevisiae) chr8 protein_coding
ENSG00000237436.1 1.70859176 1.173908 0.0000000 0.0000000 0.0 0.0 0.0 0.08 RP11-312Z8.1 antisense chr8 antisense
ENSG0000018482.0 2.043749 2.23665741 4.36E-01 4.01E-09 0.2 0.12 0.66 1.13 PHF3 PHD finger protein 3 chr6 protein_coding
ENSG0000028695.1 5.59464701 2.4625875 0.0008654 0.0028128 0 0 0.083 0.31 RP11-36C1L.1 -- chr10 protein_coding
ENSG00000243616.1 5.9426212 1.0435202 0.0000000 0.0000000 0.0 0.0 0.0 0.06 RITA-AS1 RITA antisense chr15 IG_V_gene
ENSG00000060749.13 2.7314429 1.57393631 4.08E-14 5.93E-13 0.07 0.05 0.38 0.73 CSEK1 glutamine and serine rich 1 chr11 antisense
ENSG00000171236.9 -3.7937177 -2.5308865 0.0012121 0.0036442 0.07 0.06 0.01 0.0 LRG1 leucine-rich alpha-2-glycoprotein 1 chr19 protein_coding
ENSG0000013027.16 5.44446467 1.54446467 6.87E-05 0.0028404 29.84 36.92 22.91 RP11-36C1L.1 chondrichthyan/human N-methyltransferase chr17 protein_coding
ENSG0000043473.0 -3.1975599 0.1068132 5.06E-12 5.88E-11 0.11 0.22 0.01 0.03 KCHN1 potassium channel, voltage gated acid related subfamily H, member 1 chr1 protein_coding
ENSG0000035499.11 1.47429292 1.51362226 1.19E-05 1.69E-05 0.36 0.59 1.33 12.22 ZEPFIC18 DEF domain containing 18 chr10 protein_coding
ENSG0000015935.14 1.0000000 1.0000000 0.0000000 0.0000000 194.29 147.97 133.28 PTM5 parathyromin chr12 protein_coding
ENSG00000108242.11 -5.0206302 -3.1369696 0.0010455 0.02582742 0.06 0.02 0 0 0 CYP2C18 cytochrome P450, family 2, subfamily C, polypeptide 18 chr10 protein_coding
ENSG0000017906.12 2.9556323 4.96992 3.82E-07 9.23E-19 0.79 1.1 6.34 12.29 KC02 potassium channel 2, EF-hand calcium binding domain chr10 protein_coding
ENSG0000048848.13 -2.3242381 3.2959631 1.17E-13 1.61E-12 1.1 1.84 0.3 0.48 ADAM12 ADAM metalloproteinase domain 12 chr10 protein_coding
ENSG0000042723.13 -2.1136623 1.15805853 8.51E-13 1.07E-11 99.3 85.39 296.24 272.62 RPS3 ribosomal protein S3 chr11 protein_coding
ENSG00000165025.13 7.1977764 1.4908265 6.56E-06 1.55E-08 0 0 0.14 0.09 DYK dyk domain chr11 protein_coding
ENSG0000021496.11 -2.1338367 3.3821532 5.53E-12 6.41E-11 1.85 1.7 0.56 0.51 TREFR1 transcriptional regulating factor 1 chr6 protein_coding
ENSG0000023409.6 5.9435985 -2.4328306 0.0001482 0.0057423 0 0 0.09 0.24 AC006547.1 -- chr22 protein_coding
ENSG00000279516.1 1.1892955 -2.4398964 4.74E-05 0.0020301 0.11 0.12 0 0 0 FAM23C family with sequence similarity 230, member C chr19 protein_coding
ENSG00000137273.3 -1.1118312 4.8677855 0.00013294 0.0005291 15.15 14.37 8.06 1.02 FOXF2 forkhead box F2 chr10 protein_coding
ENSG0000044369.11 6.0599572 -1.5545337 1.05E-06 6.02E-06 0 0 0.05 0.08 FAM1718 family with sequence similarity 171, member B chr17 protein_coding
ENSG0000015946.13 1.86422106 1.5274796 0.0027343 0.0031796 0.03 0.02 0.14 0.06 ACE angiotensin I converting enzyme chr17 protein_coding
ENSG00000078124.0 2.2760238 2.376787 4.05E-12 4.75E-11 0.16 0.22 0.08 0.15 ACER3 alkaline ceramidase 3 chr11 protein_coding
ENSG00000162367.0 5.98373061 2.4897568 8.36E-05 0.00394652 0 0 0.09 0.04 TAL1 T-cell acute lymphocytic leukemia 1 chr10 protein_coding
ENSG0000027108.1 2.36193899 2.9791669 5.34E-05 0.0022954 0.03 0.09 0.09 0.64 RP11-25BC1.1 -- chr19 protein_coding
ENSG0000017831.5 -2.9917674 3.0140847 8.85E-20 2.09E-18 9.53 8.7 1.68 1.37 CTNN1 catenin 1 chr19 protein_coding
ENSG0000010337.14 1.0213739 7.58003119 0.0394854 0.00125643 24.07 23.76 6.11 61.61 TM554 transmembrane 9 superfamily protein member 4 chr20 protein_coding
ENSG0000012801.14 1.1666265 2.6759865 0.00015457 0.00059573 0.67 0.62 1.63 2.26 GZF1 GDNF-inducible zinc finger protein 1 chr20 protein_coding
ENSG0000017290.18 6.03134248 -2.373212 8.36E-05 0.0034052 0 0 0.04 0.07 AQPPEP -- chr5 protein_coding
ENSG0000018169.6 2.1550219 -2.7738294 0.0004801 0.0226235 0.01 0.05 0.0 0.01 PLAC1 pleomorphic adenoma gene 1 chr5 protein_coding
ENSG00000106772.16 -5.6609181 -2.7818379 0.0008564 0.0028128 0 0 0.02 0 0 0 PRUNE2 pruned homology 2 (Drosophila) chr9 protein_coding
ENSG0000044959.8 2.12079085 1.8783336 3.69E-10 3.43E-09 0.15 0.31 0.83 1.84 NCCH1 neutral cholesterol ester hydrolase 1 chr1 protein_coding
ENSG0000013531.16 2.6359154 5.0092934 5.96E-18 1.32E-15 24.01 45.46 30.2 7.92 CCR15 chemokine differentiation factor 15 chr19 protein_coding
ENSG00000188004.8 -1.2110083 0.0065561 0.00313294 0.00917679 0.4 0.48 0.01 0.02 C1orf204 chromosome 1 open reading frame 204 chr19 protein_coding
ENSG0000019732.2 2.42241419 1.7514667 0.0014666 0.0048953 0.03 0.03 0.13 0.13 ZNF333 zinc finger protein 333, pseudogene chr19 lncRNA
ENSG0000025706.15 1.2404915 1.2404915 1.34E-05 8.29E-05 61.66 54.02 32.65 14.22 HML24 HML24 homologous to myeloid leukemia 24 chr14 protein_coding
ENSG0000016332.14 1.51221234 1.9797965 6.36E-06 1.78E-05 1 1 1.69 3.69 C11orf74 chromosome 11 open reading frame 74 chr11 protein_coding
ENSG0000017896.14 1.0211457 1.9797965 6.36E-06 1.78E-05 1 1 1.69 3.69 C11orf74 chromosome 11 open reading frame 74 chr11 protein_coding
ENSG0000019642.9 -1.8138669 1.5555892 5.93E-10 5.33E-09 71.26 64.97 26.16 25.47 PPP1R2B rho guanine nucleotide exchange factor 2 chr9 protein_coding
ENSG0000017135.16 -1.4573324 3.9987465 1.14E-06 6.50E-06 3.62 3.39 1.71 1.99 ARHGEF39 ras homologue family GTPase activating factor 39 chr19 protein_coding
ENSG00000283318.1 1.9186919 2.0237818 1.78E-06 9.85E-06 0.03 0.167 0.44 AC012360.4 -- chr9 protein_coding
ENSG0000027638.1 1.39507616 -0.9734698 0.0027374 0.0184932 0.14 0.55 1.48 0.97 RP11-66B24.1 -- chr13 processed_transcript
ENSG00000131033.15 7.3529138 0.4514863 4.22E-11 4.43E-10 0.02 0 0 0.13 C2CG6 component of oligomeric golgi complex 6 chr13 protein_coding
ENSG0000045867.1 1.71913949 1.8730199 1.41E-07 6.05E-07 1.02 1.91 5.4 5.4 C12orf129.4 -- chr15 antisense
ENSG00000141837.17 -2.3500979 -0.3346559 4.27E-07 6.22E-06 0.13 0.09 0.03 0.02 CACNA1A calcium channel, voltage-dependent, P/Q type, alpha 1A subunit chr19 protein_coding
ENSG00000278133.1 8.2067973 -0.6279485 1.56E-14 2.37E-13 0.10 0.01 0.41 0.22 RP11-342K2.1 -- chr19 TEL
ENSG0000023291.5 2.1359496 -0.451084 7.65E-06 3.81E-05 0.05 0.02 0.0 0.31 TMEM254A TMEM254 antisense RNA 1 chr10 antisense
ENSG00000161638.9 -3.8254841 9.93241603 2.22E-33 1.21E-31 243.84 213.35 22.55 20.99 TIGAS integrin, alpha 5 (fibronectin receptor, alpha polypeptide) chr12 protein_coding
ENSG00000131979.17 1.8782497 1.8782497 1.22E-09 1.22E-09 1.67 1.67 1.67 1.67 GCH1 GTP cyclohydrolase 1 chr14 protein_coding
ENSG0000028422.14 1.84627128 1.0634174 2.91E-10 2.74E-09 35.48 38.07 17.96 17.96 KRT17 keratin 17, type I chr17 protein_coding
ENSG0000028284.18 2.9308205 3.56102242 9.63E-20 2.26E-18 0.51 0.62 5.95 5.58 APO13 apolipoprotein L 3 chr12 protein_coding
ENSG0000016737.15 2.25907416 0.0011399 4.46E-06 1.08E-07 0.03 0.03 0.35 ZNF283 zinc finger protein 283 chr19 protein_coding
ENSG00000205476.7 -1.1130399 5.9743639 0.0001711 0.00064441 4.34 3.86 2.37 2.69 CDDC85C coiled-coil domain containing 85C chr22 protein_coding
ENSG00000202287.11 3.9877477 0.3596075 6.87E-16 1.10E-14 0.02 0.01 0.17 0.55 RB1C1 RBL1-inducible coiled-coil 1 chr18 protein_coding
ENSG0000014920.10 1.3777598 2.9541339 7.19E-06 3.29E-06 0.32 0.32 1.68 NCN1A1 nuclear core domain 1A1 chr18 protein_coding
ENSG00000466074.7 1.3242774 4.6860795 6.38E-06 3.45E-05 1.05 0.86 3.04 3.34 BAHCC1 BAH domain coiled-coil 1 chr17 protein_coding
ENSG0000025059.1 -6.2307332 -0.5505973 2.41E-17 4.69E-16 1.66 0.95 0.0 0 0 C17orf218 -- chr5 lncRNA
ENSG00000146186.14 1.25117514 4.68171485 4.48E-07 3.27E-06 1.26 1.26 2.36 2.41 MAFPT2 MAP7 domain containing 2 chr19 protein_coding
ENSG00000272523.2 3.62493312 -1.1731145 1.97E-07 1.37E-06 0 0 0.08 0.63 RP3-402G11.1 zinc finger protein 633, pseudogene chr22 antisense
ENSG00000196429.5 -1.8604285 -0.3549491 4.80E-05 0.0004893 0.05 0.02 0.0 0.32 DNAC127 DNA (Hsp40) homolog, subfamily C, member 2 chr19 protein_coding
ENSG00000115520.7 1.8251657 1.9375809 7.39E-05 0.0030568 0.6 0.81 1.46 3.11 CCO10B coenzyme Q10 oxidoreductase (S. cerevisiae) chr10 protein_coding
ENSG00000188813.5 2.0655908 1.4604776 3.34E-09 2.74E-08 0.1 0.12 0.6 0.59 ZNF507 zinc finger protein 507 chr19 protein_coding
ENSG0000016688.11 1.9651484 2.9897568 1.26E-05 1.26E-05 0.44 0.44 0.17 SPRED1 sprouty-related, EVH1 domain containing 1 chr19 protein_coding
ENSG0000011679.5 2.42500846 -0.2329772 3.31E-07 2.06E-06 0.1 0.03 0.6 0.42 PTPN6 protein tyrosine phosphatase, non-receptor type 6 chr12 protein_coding
ENSG00000068976.5 1.4704203 2.1035564 4.68E-06 2.42E-05 0.5 0.49 1.29 2.24 KIF2A kinesin heavy chain member 2A chr5 protein_coding
ENSG0000038907.8 1.85514459 3.7864707 3.78E-07 3.78E-07 10.2 10.2 0.02 0.02 SLCO7A5 solute carrier family 7 (faty acid transporter), member 5 chr19 protein_coding
ENSG00000260273.1 2.06033897 -1.9870458 0.0599689 0.02497848 0 0 0.13 0.22 0.05 RP11-4ZD51.1 -- chr6 antisense
ENSG0000025558.1 6.0670373 -2.528694 4.74E-05 0.0020301 0 0 2.69 0.65 NNUI1-1 RNA, variant U1 small nuclear 19 chr19 snRNA
ENSG0000014126.15 1.9154581 4.2818136 2.32E-09 2.67E-08 0.54 0.07 0.75 3.34 TTPP2 transcription factor Do-2 (E2F dimerization partner 2) chr19 protein_coding
ENSG00000207296.1 6.11590765 -2.1332648 4.74E-05 0.0020301 0 0 2.67 2.52 RNUE-140P RNA U6 small nuclear 140, pseudogene chr19 snRNA
ENSG0000017180.11 1.0624028 2.6593958 1.24E-06 8.21E-07 0.10 0.26 0.78 1.09 AITFP activating transcription factor 7 interacting protein chr22 protein_coding
ENSG00000167678.8 1.9154581 4.2818136 2.32E-09 2.67E-08 0.54 0.07 0.75 3.34 TTPP2 transcription factor Do-2 (E2F dimerization partner 2) chr19 protein_coding
ENSG00000131724.9 2.4102423 4.8671575 2.17E-05 9.86E-05 3.34 3.32 3.21 11.62 L13RAB1 leukotrielin L3 receptor, alpha 1 chr16 protein_coding
ENSG00000131721.12 -1.8954494 1.54446467 1.45E-06 1.45E-06 1.45 1.45 1.45 1.45 PDGFRB platelet-derived growth factor receptor, beta co-receptor chr16 protein_coding
ENSG00000184110.13 -1.4693544 2.7264799 4.17E-07 2.56E-06 50.75 53.05 24.6 25.35 EFBF eukaryotic translation initiation factor 3, subunit C chr16 protein_coding
ENSG00000176842.13 -1.4465514 3.14447425 1.86E-06 1.03E-05 3.06 4.3 1.79 1.8 RVS1 rasoxin homeobox 5 chr16 protein_coding
ENSG0000017882.13 1.9401617 1.9401617 1.94E-11 1.94E-11 1.94 1.94 1.94 1.94 NALP11 NAL family, cystein domain containing 11 chr16 protein_coding
ENSG0000000587.8 -4.2536355 -1.0633472 1.47E-10 1.44E-09 0.09 0.08 0.01 0 0 HSSST1 heparan sulfate (alkosamine) 3-O-sulfatransferase 1 chr4 protein_coding
ENSG0000017812.18 3.3142757 1.7202464 7.23E-19 1.60E-17 0.06 0.03 0.3 0.94 CASC5 cancer susceptibility candidate 5 chr15 protein_coding
ENSG0000014208.13 1.9154581 4.2818136 2.32E-09 2.67E-08 0.54 0.07 0.75 3.34 TTPP2 transcription factor Do-2 (E2F dimerization partner 2) chr19 protein_coding
ENSG00000275454.1 4.56709794 -0.8576724 2.34E-10 2.32E-09 0 0 0.05 0.68 0.9 CTD-202BK1 -- chr15 antisense
ENSG00000125750.1 1.3150445 1.1359051 0.0015453 0.0005967 0.09 0.13 0.35 0.39 KAA0586 KIAA0586 chr14 protein_coding
ENSG00000107560.9 0.1914827 0.1218712 7.35E-07 1.48E-06 0.03 0.03 0.28 KAP1L1P2 KAP1 family interacting protein 2 (class I) chr10 protein_coding
ENSG0000029250.13 -1.3433329 9.9535709 3.29E-06 1.74E-05 141.39 144.51 76.78 73.22 KIF1 kinesin family member 1C chr17 protein_coding
ENSG0000012526.12 1.4970797 1.4970797 1.33E-06 8.56E-16 0.32 0.32 0.69 KPL1 potassium channel, voltage-gated, KcsA, isoform 1 chr17 protein_coding
ENSG00000175970.8 1.0882145 5.4870394 0.0001729 0.0005065 5.63 4.89 1.41 1.55 UNC119B unc-119 homolog B (C. elegans) chr12 protein_coding
ENSG0000014889.4 4.8894645 -0.0622891 0.0188973 0.04319557 0 0 0.02 0.05 RAX retina and anterior neural fold homeobox chr18 protein_coding
ENSG00000241553.11 1.9252424 7.5225242 0.0001729 0.0005065 5.63 4.89 1.41 1.55 UNC119B unc-119 homolog B (C. elegans) chr12 protein_coding
ENSG0000017037.17 -1.3966655 7.7716965 1.56E-06 8.72E-06 356.65 290.31 180.01 148.21 NDUF58 NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase) chr11 protein_coding
ENSG0000016717.7 2.9079453 -0.4184917 1.85E-08 1.37E-07 0.03 0 0 0.21 0.16 SSGM1 small G protein signaling modulator 1 chr22 protein_coding
ENSG0000017482.15 1.5044763 5.044763 6.04E-06 6.01E-06 4.02 4.02 0.9 0.17 PTPRM protein tyrosine phosphatase, receptor type, M chr19 protein_coding
ENSG00000204630.11 -7.427058 0.5888517 4.71E-29 2.08E-27 1.29 0.86 0 0 0.01 TRM15 trypsin motif containing 15 chr10 protein_coding
ENSG0000016560.10 2.24265475 1.8989654 4.15E-11 3.43E-10 0.09 0.12 0.44 0.19 PZD08 PZD domain containing 8 chr10 protein_coding
ENSG00000103169.10 1.5856819 1.5856819 4.48E-07 3.98E-09 4.60 4.60 0.62 0.62 MAMC3 macrophage receptor with collagenous structure chr10 protein_coding
ENSG0000017447.11 5.7924489 -2.359189 0.0026535 0.0091747 0 0 0.01 0.06 KRT4 keratin 4, type I chr12 protein_coding
ENSG0000025896.16 3.2859351 -0.6073972 2.35E-09 1.96E-08 0.24 0 0 0.25 0.08 LKLN1 nucleolin 1, Hsp40 domain containing 1, Hsp40 chr12 protein_coding
ENSG00000128915.10 1.5992474 1.3169216 3.87E-06 2.03E-05 0.12 0.08 0.02 0.53 EIC2 interact of fibrin elongation complex ELL subunit 2 chr15 protein_coding
ENSG00000178807.15 1.3556219 1.3556219 1.95E-11 5.47E-10 0.02 0.02 0.65 TNRCC2 nucleotide repeat containing 6C chr12 protein_coding
ENSG0000013482.13 2.40093846 1.0237441 1.44E-10 1.41E-09 0.04 0.05 0.3 0.32 CLOCK clock circadian regulator chr14 protein_coding
ENSG0000028861.1 3.00985124 -2.6662321 0.00943894 0.02469931 0 0 0.06 0.39 0.33 AC039587.5 -- chr11 antisense
ENSG0000012880.13 1.8571575 3.1939756 1.64E-09 1.44E-08 2.19 2.19 0.5 0.95 ARHGA522 Rho GTPase activating protein 22 chr10 protein_coding
ENSG0000045555.13 -2.4907944 6.7988959 1.20E-16 2.20E-15 10.41 12.96 2.85 2.68 MYO10 myosin X chr10 protein_coding
ENSG00000114423.17 -1.99527 2.7243363 2.61E-10 2.47E-09 1.04 1.17 0.4 0.34 CBLB C/EBP beta protein 1 chr19 protein_coding
ENSG0000024578.4 1.5856819 1.5856819 4.48E-07 3.98E-09 4.60 4.60 0.62 0.62 UNC100B0 long interspersed non-protein coding RNA 100B chr19 protein_coding
ENSG00000135011.14 -1.8123893 1.5381321 8.91E-10 7.85E-09 21.2 19.4 7.92 7.48 SSBPA1 small strand DNA binding protein 1 chr19 protein_coding
ENSG00000103446.10 -1.111347 1.1664399 0.0001086 0.0004368 44.0 49.3 302.38 275.43 MFRN1 myofibrin heavy chain 9, non-muscle chr24 protein_coding
ENSG0000018612.11 -0.3171078 1.448749 1.48E-07 1.10E-07 0.23 0 0 0.09 ZNF507 zinc finger protein 507 chr19 protein_coding
ENSG00000103849.10 7.8739461 -0.908017 0.0001729 0.0005065 5.63 4.89 1.41 1.55 UNC119B unc-119 homolog B (C. elegans) chr12 protein_coding
ENSG00000138974.14 1.0300499 1.0300499 0.0001729 0.0005065 5.63 4.89 1.41 1.55 UNC119B unc-119 homolog B (C. elegans) chr12 protein_coding
ENSG00000131788.14 -1.4026348 4.8013074 1.73E-06 9.61E-06 11.59 10.97 5.95 5.41 PIAS3 protein inhibitor of activated STAT, 3 chr19 protein_coding
ENSG00000074817.7 -9.5965499 8.8247154 2.91E-114 9.97E-111 81.71 87.59 0.21 0.08 NOTCH3 notch 3 chr19 protein_coding
ENSG00000166734.17 2.7100534 1.335E-11 3.35E-11 3.76E-10 0.37 0.42 0.37 0.37 CASC4 cancer susceptibility candidate 4 chr15 protein_coding
ENSG00000170948.14 4.8998041 -0.0567113 0.0188973 0.04319557 0 0 0.03 0.03 0.03 PSF6 pregnancy specific beta 1-glycoprotein 6 chr19 protein_coding
ENSG00000172945.12 3.3153377 1.7598606 4.83E-19 1.09E-17 0.1 0.04 0.69 1.23 SP3 SC3 transcription factor 3 chr2 protein_coding
ENSG0000013128.15 1.0045665 7.020531 0.004332 0.0160388 0.0 0.0 0.26 30.94 CAP1 47L, adenylate cyclase-associated protein 1 (yeast) chr19 protein_coding
ENSG0000027728.1 4.77073895 -3.141721 0.0188973 0.04319557 0 0 0.41 0.06 RP11-143KL.1 -- chr17 antisense
ENSG0000014491.1 2.6826991 1.0000000 0.0002016 0.00077306 0.12 0.12 0.04 0.16 RP3-508L1.1 zinc finger with KRAB and SCAN domains 1 chr22 antisense
ENSG00000106261.5 1.0832072 3.7103896 0.0000953 0.0006953 1.87 1.87 0.24 2.12 ZSCAN1 zinc finger with KRAB and SCAN domains 1 chr19 protein_coding
ENSG00000188626.6 5.04175262 -2.9627674 0.0100455 0.02582742 0 0 0.13 0.13 COLGABM collagen alpha 8 family member M chr15 protein_coding
ENSG00000278800.1 1.125111 1.25111 1.25E-11 1.25E-10 1428.2 1203.3 452.1 430.08 RPS10-RUD1 RPS10-RUD1 readthrough chr19 protein_coding
ENSG00000258742.2 -1.6372259 3.85216712 4.88E-08 3.41E-07 2.75 2.79 1.07 1.35 UNC100346 long interspersed non-protein coding RNA 346 chr13 lncRNA
ENSG00000261634.3 -3.9017869 -1.8090166 1.01E-06 5.80E-06 0.11 0.05 0.05 0.01 RP11-35ZD1.1 -- chr15 antisense
ENSG00000195895.5 -2.9695766 3.25542125 1.26E-07 1.46E-06 2.46 2.46 1.12 0.74 MAMPT2 MAP7 domain containing 2 chr19 protein_coding
ENSG00000196449.3 -1.5206694 4.6465006 2.59E-07 1.63E-06 17.24 15.66 7.33 7.96 YDC YDC (Hsp40)-thrombospondin/thrombospondin domain containing chr15 protein_coding
ENSG00000188527.7 6.72803771 -1.8641315 2.24E-07 1.42E-06 0 0 0.02 0.18 Cbrf171 chromosome 9 open reading frame 171 chr19 protein_coding
ENSG00000107350.12 2.6589191 2.6589191 1.91E-06 1.91E-16 1.84 1.84 1.54 14.08 UCU11-1 human chromosome 11 (UCR1) chr17 protein_coding
ENSG00000270698.1 2.43944279 -2.4390313 0.0191326 0.0011315 0.03 0 0 0.04 0.02 MIR222 host gene chr19 lncRNA
ENSG00000163528.11 -1.0154267 5.31486634 0.0004324 0.00139437 25.29 27.8 17.82 17.82 CHCHD4 chondrichthyan/human C/EBP delta chr4 protein_coding
ENSG00000113948.15 1.5856819 1.5856819 4.48E-07 3.98E-09 4.60 4.60 0.62 0.62 MAMC3 macrophage receptor with collagenous structure chr10 protein_coding
ENSG00000138771.13 -1.9858683 4.5372008 3.76E-11 3.94E-10 2.55 2.29 0.94 0.94 SHROOM3 shroom family class 3 domain containing 3 chr19 protein_coding
ENSG00000198618.5 -1.41958 2.4121191 6.41E-07

ENSG0000013054.4	9.7269328	0.7779797	491E-29	2.16E-27	0.0	0.0	0.8	0.92 FAM155B	family with sequence similarity 155, member B	chrX	protein_coding	
ENSG0000011657.0	1.8894139	1.7775063	208E-08	1.02E-07	0.19	0.17	0.64	115 KIN	Kin17 DNA and RNA binding protein	chr10	protein_coding	
ENSG0000017328.20	1.5984979	0.6805767	1.89E-05	8.70E-05	0.04	0.07	0.18	0.24 RBAP31	RBAP3A interacting protein	chr12	protein_coding	
ENSG000000900.1	1.0631486	0.0000000	3.37E-13	4.4E-12	0.0	0.0	0.32	AC020636.16		chr12	protein_coding	
ENSG00000186862.16	1.3967169	1.6863958	1.95E-05	9.95E-05	0.92	0.63	0.37	0.42 PDZP7	PDZ domain containing 7	chr10	protein_coding	
ENSG00000101871.13	1.171865	1.2897183	1.66E-06	0.0014711	0.12	0.38	0.1	0.26 MJD1	midline 1	chr1	protein_coding	
ENSG00000104231.1	1.0747869	0.9729252	0.04E-06	3.12E-09	0.0	0.0	0.32	0.04 KR78	keratin 78, type II	chr1	protein_coding	
ENSG00000106197.17	1.2462405	1.5883402	0.0015374	0.0009198	0.69	0.8	0.39	0.45 ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	chr21	protein_coding	
ENSG00000104676.1	1.2481679	1.2481676	1.21E-11	1.2E-10	0.11	0.11	0.11	0.75 ZBTB38	zinc finger and BTB domain containing 38	chr1	protein_coding	
ENSG00000115392.10	1.3714776	2.4998913	1.87E-05	8.42E-05	0.44	1.58	0.34	0.64 FANCL	Fanconi anemia, complementation group L	chr16	protein_coding	
ENSG00000278399.1	4.2334405	0.4999444	7.48E-07	4.11E-18	4.87	4.72	0.36	0.31 R131-63G61		chr16	lncRNA	
ENSG0000010441.9	1.141455	4.5913673	0.0000000	0.00003794	4.26	0.0	0.0	0.17 LYRM8	LYRM motif containing 8	chr10	protein_coding	
ENSG00000189132.7	1.6514567	5.5541472	1.85E-08	1.37E-07	0.11	10.61	0.18	0.21 ZNF395	zinc finger protein 395	chr16	protein_coding	
ENSG00000186673.3	6.2875928	0.6825876	2.45E-06	2.85E-24	0.05	0.0	0.46	0.72 FAM48B	family with sequence similarity 48, member B	chr16	protein_coding	
ENSG00000104904.4	1.0290909	0.987628	6.21E-06	2.77E-05	0.1	0.0	0.0	0.463 SPANX1	SPANX domain containing 1	chr10	processed_transcript	
ENSG00000156042.16	5.0518686	1.9744167	0.0010455	0.02582742	0.0	0.0	0.02	0.05 CFAFP70	cella and fibroblast associated protein 70	chr10	protein_coding	
ENSG00000263235.1	1.6178198	1.6785246	3.94E-07	2.43E-06	0.13	4.22	1.38	1.68 RP11-461A8		chr16	protein_coding	
ENSG00000162400.1	1.6242400	1.0011028	0.0000000	0.00002256	0.0	0.0	0.71	1.15 ATP5V1B1	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1	chr16	protein_coding	
ENSG00000201013.1	1.4867115	1.4508871	0.0203274	0.0303863	0.72	2.72	6.58	0.34 MT-TN	mitochondrially encoded RNA aspartate	chrM	lncRNA	
ENSG00000259037.7	5.0234041	3.1294261	6.0100405	0.02582742	0.01	0.02	0.0	0.0	GMD5 antisense RNA 1 (head to head)	chr6	antisense	
ENSG0000014031.0	1.0747869	0.9729252	0.04E-06	3.12E-09	0.0	0.0	0.32	0.04 KR78	Kelvin repeat domain 53	chr1	protein_coding	
ENSG00000202195.7	7.6782842	1.8459016	6.45E-05	6.61E-43	2.74	4.51	0.0	0.03 KR252A	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	chr19	polymorphic_pseudogene	
ENSG00000106078.16	1.8184279	2.4582599	8.28E-10	7.29E-09	0.57	2.68	0.81	0.12 CSDP2	cardion-1 like 2, domain 2	chr1	protein_coding	
ENSG00000186044.11	1.0246568	4.6124126	0.0043672	0.0015448	9.35	11.39	6.62	0.66 MUKL	mouse lineage kinase domain-like	chr16	protein_coding	
ENSG00000173105.1	1.3873105	0.9807058	1.06E-07	1.30E-06	0.0	0.0	0.0	0.13 MCB2B	muscle specific with OB domains	chr17	protein_coding	
ENSG00000202204.2	6.2175345	0.3011266	1.06E-47	1.30E-45	0.29	0.27	32.94	2347 RP11-180E2		chr17	lncRNA	
ENSG00000183637.10	5.9955977	2.567598	0.0000000	0.000057423	0.04	0.01	0.0	0.0	PRICKLE2 (2 Drosophila)	chr2	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000189139.1	1.098895	2.3025191	0.0045419	0.0159247	0.36	1.86	3.15	3.84 ARHAP31B	Rho GTPase activating protein 11B	chr15	protein_coding	
ENSG00000264187.1	1.5823303	0.3264237	0.0000000	0.0000000	3.46	2.85	10.71	6.75 RP11-450M2		chr1	protein_coding	
ENSG00000204339.1	5.0468046	0.2599242	0.0104545	0.02582742	0.0	0.0	0.0	0.07 ZFN6C2		chr1	TEC	
ENSG0000017706.11	2.2161265	6.7177177	9.88E-14	1.38E-12	319	3.65	20.01	22.38 HEG1	heart development protein with EGF-like domain 1	chr3	protein_coding	
ENSG0000010441.9	1.141455	4.5913673	0.0000000	0.00003794	4.26	0.0	0.0	0.17 LYRM8	LYRM motif containing 8	chr10	protein_coding	
ENSG00000136102.2	2.191117	0.3926239	2.68E-12	3.20E-11	4.55	4.1	1.34	1.19 REXPM1	retaxin/insulin-like family peptide receptor 1	chr16	protein_coding	
ENSG0000011509.14	5.025255	1.288772	0.0104545	0.02582742	0.0	0.0	0.05	0.0	KRFP1	kringle containing transmembrane protein 2	chr16	protein_coding
ENSG000001264.8	1.55E-05	2.21E739.8	1.55E-05	2.21E739.8	0.0	0.0	0.0	0.58 HCS	hematopoietic cell signal transducer	chr19	protein_coding	
ENSG00000100167.18	2.2204759	3.981672	1.13E-13	6.62E-12	0.75	1.12	6.01	5.55	3-sep 3	chr22	protein_coding	
ENSG0000013962.11	3.2545018	1.4960127	5.62E-12	3.33E-16	0.06	0.07	0.67	0.88 ARHAP39	Rho GTPase activating protein 29	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000156113.9	5.058111	0.9326584	2.98E-26	9.11E-24	0.37	0.34	0.0	0.01 KNNM1A	calcium-binding protein, calmodulin-binding protein	chr10	protein_coding	
ENSG00000119919.10	5.946161	1.892277	0.0022002	0.0085312	0.3	0.14	0.0	0.03 NK2	NK2 homeobox 2	chr10	protein_coding	
ENSG00000134761.7.5	1.0747869	0.9729252	0.04E-06	3.12E-09	0.0	0.0	0.32	0.04 KR78	Kelvin repeat domain 53	chr1	protein_coding	
ENSG00000203145.6	1.0145237	3.6069807	0.0001367	0.0021152	2.34	2.67	1.58	0.17 RP11-418B11		chr17	protein_coding	
ENSG00000104676.1	2.2866423	6.9561709	1.85E-15	1.8E-14	3.04	10.29	14.57	80.29 SCDT1	serine cluster domain transmembrane 1	chr17	antisense	
ENSG00000179558.7	8.632683	8.2654435	9.91E-84	1.23E-76	12.13	15.86	0.04	0.06 CHD2	chromatin 2, type 1, N-cadherin (neuronal)	chr18	protein_coding	
ENSG00000141497.12	4.0443615	0.1761158	1.78E-14	2.70E-13	0.04	0.0	0.84	0.05 ZMNDI5	zinc finger, MYND-type containing 15	chr17	protein_coding	
ENSG0000010441.9	1.141455	4.5913673	0.0000000	0.00003794	4.26	0.0	0.0	0.17 LYRM8	LYRM motif containing 8	chr10	protein_coding	
ENSG0000018788.12	2.8795643	1.270612	2.10E-13	2.82E-12	0.06	0.09	0.61	0.84 SNK	SNF related kinase	chr3	protein_coding	
ENSG00000213064.8	1.83802314	3.11473028	5.55E-06	2.81E-05	0.33	0.37	1.04	1.38 SPIT2	SPF2 domain containing 2	chr1	protein_coding	
ENSG00000189139.1	1.098895	2.3025191	0.0045419	0.0159247	0.36	1.86	3.15	3.84 ARHAP31B	Rho GTPase activating protein 11B	chr15	protein_coding	
ENSG0000017594.11	2.0667219	0.7098022	0.0068	4.78E-07	0.19	0.3	1.1	1.64 SPTD23A	sphingomyelin phosphodiesterase, acid-like 1	chr16	protein_coding	
ENSG00000102810.1	7.182348	1.683075	4.08E-09	3.59E-08	0.69	1.23	0.0	0.01 RP11-349C2		chrX	lncRNA	
ENSG0000013962.11	3.2545018	1.4960127	5.62E-12	3.33E-16	0.06	0.07	0.67	0.88 ARHAP39	Rho GTPase activating protein 29	chr1	protein_coding	
ENSG00000189139.1	1.098895	2.3025191	0.0045419	0.0159247	0.36	1.86	3.15	3.84 ARHAP31B	Rho GTPase activating protein 11B	chr15	protein_coding	
ENSG0000018771.16	3.825343	1.6465205	2.05E-06	7.77E-15	0.15	1.42	0.15	0.12 GRD1	glutamate receptor, ionotropic, delta 1	chr10	protein_coding	
ENSG00000104676.1	2.2866423	6.9561709	1.85E-15	1.8E-14	3.04	10.29	14.57	80.29 SCDT1	serine cluster domain transmembrane 1	chr17	antisense	
ENSG0000015741.13	1.9300265	1.2594191	8.34E-05	0.021661	0.06	0.05	0.29	0.25 UBRN2	ubiquitin 2	chr7	protein_coding	
ENSG00000108831.14	1.23704718	0.189496	0.0024613	0.0120501	0.05	0.03	0.15	0.12 TCR3A	tetratricopeptide repeat domain 39A	chr1	protein_coding	
ENSG00000102718.1	1.1930265	1.2594191	8.34E-05	0.021661	0.06	0.05	0.29	0.25 UBRN2	ubiquitin 2	chr7	protein_coding	
ENSG0000017188.14	1.8993061	1.8529962	1.33E-08	9.96E-08	0.09	0.29	0.72	1.12 YTHDC2	YTH domain containing 2	chr5	protein_coding	
ENSG00000201386.1	1.3110775	3.1147521	0.0018017	0.00065458	2.77	3.01	8.25	8.62 LCAT	lecithin:cholesterol acyltransferase	chr16	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FBQ324	F-box protein 324	chr1	protein_coding	
ENSG00000103842.18	1.3631299	1.11034218	1.11E-05	5.35E-05	0.75	2.4	0.0	0.28 FB				

ENSG00000172145 22270901 1.63937464 1.59E-10 1.51E-09 0.09 0.2 0.98 0.81 KIAA1919 KIAA1919 chr6 protein_coding
ENSG00000254317.2 1.19542539 1.0542539 4.44E-05 0.00019413 0.82 1.52 0.57 0.69 C21orf241B C21orf241B chr6 lncRNA
ENSG00000272462.2 1.239789 2.07451836 4.44E-05 0.00019413 0.82 1.52 0.57 0.69 U91328.19 -- chr6 lncRNA
ENSG00000132405.17 1.3038438 4.99639579 7.92E-06 3.30E-05 6.78 6.94 3.28 4.14 TBC1D10A TBC1 domain family, member 14 chr6 protein_coding
ENSG00000270074.1 1.90058394 0.5750117 1.03E-25 2.00E-06 9.34 10.57 24.3 0.86 RP11-351J21 chr6 lncRNA
ENSG000001005818 1.054055 1.00518575 4.62E-34 2.58E-32 2.38 1.46 0 0 0 RARRES2 retinoic acid receptor responder (tazarotene induced) 2 chr7 protein_coding
ENSG0000019455.6 1.46235988 3.1536604 1.60E-06 8.91E-08 0.65 0.86 241 3.17 PKC8A phosphoinositide-3-kinase, regulatory subunit 4 chr7 protein_coding
ENSG00000140941.11 5.8053551 0.033008 0.00116021 0.00013021 9.34 10.57 24.3 30.42 MAP1LC10B microtubule-associated protein 1, kate chain 3 beta chr7 protein_coding
ENSG0000028081.2 6.6099344 1.9521913 1.05E-06 6.02E-06 0 0 0.23 0.33 MCK39584 -- chr21 lncRNA
ENSG00000078043.14 1.60963869 1.17072411 1.23E-06 3.96E-06 0 0 0.39 PIAS2 protein inhibitor of activated STAT, 2 chr18 protein_coding
ENSG0000013635.16 1.0911297 0.0015552 0.0005992 0.0005992 15.5 16.8 485 0.38 KAS isolety-alpha antisense RNA chr18 protein_coding
ENSG0000027468.1 3.288411 1.8715498 0.0025363 0.0004222 0.09 0 0.051 0.87 RP11-86C11 -- chr6 lncRNA
ENSG0000027270.4 1.3986211 1.1162444 6.85E-07 1.11E-06 0.71 0.75 0 0 0 PAR6G-AS1 PAR6G antisense RNA chr18 protein_coding
ENSG0000012953.11 1.605893 0.0242666 0.0001402 0.00054692 0.04 0.2 0.54 0.45 NLR neural retina leucine apur chr14 protein_coding
ENSG00000164211.11 1.53981927 0.031055 1.63E-19 3.78E-18 0.33 0.22 0.01 0 0 STARD4 SAR-related lipid transfer (START) domain containing 4 chr5 protein_coding
ENSG0000036438.15 1.172754 5.65054255 4.22E-06 2.00E-08 9.47 9.78 3.37 43.9 AHRH1 aryl-hydrocarbon receptor repressor chr5 protein_coding
ENSG0000020282.13 1.6533077 3.89494026 3.60E-08 2.55E-07 8.12 6.74 2.99 3.32 DGAT2 diacylglycerol O-acyltransferase 2 chr11 protein_coding
ENSG0000023883.3 2.65839646 0.4862111 1.31E-10 1.30E-09 0.26 0.25 2.11 2.22 RP11-98B18 -- chr11 antisense
ENSG0000016291.14 1.844034 5.08439398 6.04E-11 6.21E-10 8.7 6.22 2.57 2.61 MEGF6 multiple EGF-like-domains 6 chr11 protein_coding
ENSG0000013063.10 1.61117791 2.85165594 1.19E-07 1.28E-06 0.36 0.51 1.8 1.73 RSPH3 radial spoke 3 homolog (Chlamydomonas) chr16 protein_coding
ENSG0000017448.12 1.1108223 1.72291079 0.00011456 0.00045301 79.59 59.76 43.78 42.25 AKR1A1 aldo-keto reductase family 1, member A1 (aldehyde reductase) chr16 protein_coding
ENSG0000013647.10 1.1862288 1.9462122 1.22E-06 6.39E-06 0.3 0.44 1 1.97 SHH1 salt ES1 ubiquitin protein ligase 1 chr16 protein_coding
ENSG0000028986.4 1.82766684 2.3721831 1.14E-08 6.88E-08 1.43 1.69 6.98 7.82 RAB11B-AS1 RAB11B antisense RNA 1 chr16 antisense
ENSG0000022696.6 1.1257628 1.92177836 0.00043739 0.00154672 3.43 3.25 2.44 1.64 LENG8-AS1 LENG8 antisense RNA 1 chr19 antisense
ENSG00000142910.14 5.2562671 6.6971428 1.03E-25 3.72E-24 64.33 66.33 96.1 0.58 TM6GL1 tubulin-interacting nephritis antigen-like 1 chr19 protein_coding
ENSG00000073417.13 1.11372499 2.03230651 0.00038162 0.00136561 0.48 0.5 0.09 1.98 POEBA phosphodiesterase 8A chr15 protein_coding
ENSG0000011727.10 1.3651137 0.5396442 0.00377991 0.00108987 0.04 0.06 0.16 0.18 HCTC2 host cell factor 2 chr12 protein_coding
ENSG00000081479.11 4.89846445 1.08896473 0.0089645 0.04519557 0 0 0 0.01 LRP2 low density lipoprotein receptor-related protein 2 chr2 protein_coding
ENSG00000197594.10 1.1890315 0.26740354 6.41E-07 3.80E-06 0.22 0.21 0.09 0.05 ENRP1 ectonucleotide pyrophosphatase/phosphodiesterase 1 chr6 protein_coding
ENSG00000134871.16 1.0881885 1.01674588 0.103E-13 2.71E-133 27.28 27.1 0.18 0.18 C20orf42 collagen, type IV, alpha 2 chr13 protein_coding
ENSG00000131477.9 2.62329808 7.31E-13 9.31E-12 0.72 0.38 4.29 4.88 RAMP2 receptor (G protein-coupled) activity modulating protein 2 chr17 protein_coding
ENSG0000020528.13 2.8061498 2.3130310 2.16E-16 3.88E-15 0.18 0.36 2.14 2.92 MASTL microtubule associated serine/threonine kinase-like chr10 protein_coding
ENSG0000015712.17 1.4854031 3.9101338 6.97E-07 1.11E-06 1.52 1.76 5.71 6.17 FANP1 PAX interacting (with transcription-activation domain) protein 1 chr10 protein_coding
ENSG00000026475.1 7.52026235 1.2167394 3.22E-11 3.41E-10 0 0 0.078 0.10 TTC39C-AS1 TTC39C antisense RNA 1 chr18 antisense
ENSG00000107957.15 1.34513267 1.9697474 1.45E-02 3.24E-26 0.76 0.84 2.93 0.10 SHP2C2 SHP and P4 domains 2 chr10 protein_coding
ENSG0000013147.5 1.5000000 2.9992693 4.93E-12 7.8E-11 0.76 0.84 2.93 6.22 SMARCA5 SWI/SNF related, matrix associated, anti dependent regulator of chromatin, subfamily a, member 5 chr14 protein_coding
ENSG00000108002.13 1.1807326 3.09891654 9.29E-05 0.0007552 2.57 2.87 15.2 16.7 C14orf93 chromosome 14 open reading frame 93 chr14 lncRNA
ENSG0000026094.2 1.4527937 0.0887454 0.0001218 1.76E-09 1.21 1.18 RP11-L406R5.3 gasterdin B chr17 protein_coding
ENSG00000073605.17 1.13161305 0.0041502 0.00451978 0.58 0.49 1.2 0.19 GSDMB galectin B chr17 protein_coding
ENSG00000073849.13 1.2972861 2.0196189 1.02E-17 2.04E-16 1 1.43 0.15 0.26 STEGAL1 STE beta-galactosidase alpha-2,6-sialyltransferase chr17 protein_coding
ENSG0000029826.1 1.2869488 0.8070811 4.71E-06 0.00064 0.01 0.26 0.46 RP11-467D6 chr17 antisense
ENSG0000016554.8 1.6801142 6.1043909 9.94E-09 1.55E-08 28.35 27.35 1.14 1.17 ARDC2 arrestin domain containing 2 chr19 protein_coding
ENSG00000167889.11 2.3082953 3.3103339 3.15E-13 4.15E-12 0.54 0.39 3.29 2.88 MGA158B mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase, bozyme B chr19 protein_coding
ENSG00000141184.4 1.2480455 0.0000000 0.0000000 0.0000000 0.24 0.24 0.16 0.24 KCL11 cholesteryl ester transfer protein 1 chr17 protein_coding
ENSG0000011671.8 1.0265098 3.6298812 3.85E-11 4.03E-10 9.95 6.83 3 2.49 SPB2 sol/Annoyane receptor domain and SCOS box containing 2 chr12 protein_coding
ENSG0000012726.12 1.87099468 0.44660636 2.43E-06 1.32E-05 0.06 0.06 0.23 0.34 ZBTB21 zinc finger and BTB domain containing 21 chr21 protein_coding
ENSG0000017844.5 2.05694572 2.7444029 0.0004512 0.00258242 0.29 0.29 0.19 0.29 UNC00843 long intergenic non-protein coding RNA R43 chr19 protein_coding
ENSG00000231760.4 1.2097577 0.3461729 1.73E-06 9.62E-06 0.49 0.44 0.09 0.19 RP11-350DZ -- chr16 antisense
ENSG0000023329.1 1.3958569 0.0023236 1.07E-10 0.71E-09 0.09 0.09 0.09 0.11 RP11-448A1 chr17 lncRNA
ENSG00000074611.1 5.4549042 1.27467519 0.00158008 0.0049521 0 0 0.01 0.02 CTA-243E7.1 -- chr22 antisense
ENSG0000016885.14 2.0210329 2.1818841 7.14E-10 6.33E-09 0.26 0.24 0.18 1.65 FAM91A1 family with sequence similarity 91, member A1 chr8 protein_coding
ENSG0000027597.1 1.7844645 0.091448 0.0000000 0.0000000 0.37 0.62 1.63 0.86 RP11-961A1 chr17 protein_coding
ENSG0000008356.15 1.1861497 0.46272653 0.00147063 0.00467959 0.38 0.67 0.38 0.24 FKXD domain containing ion transport regulator 3 chr19 protein_coding
ENSG0000014219.14 2.1029372 1.5620732 1.57E-09 1.34E-08 0.16 0.27 1.04 1.42 C17orf80 chromosome 17 open reading frame 80 chr17 protein_coding
ENSG0000027264.1 1.520755 2.861027 0.0018008 0.0046950 0.44 0.44 0 0 0 RP11-30X15 chr17 lncRNA
ENSG0000016489.11 1.1942687 3.27089558 6.11E-05 0.00052671 2.28 1.98 4.93 8.16 CAPZAI capping protein (actin filament) muscle Z-line, alpha 1 chr3 protein_coding
ENSG00000144674.15 5.6517482 3.2266592 2.22E-43 2.07E-41 0.04 0.04 0.134 3.66 GOLGA4 actin A4 chr3 protein_coding
ENSG0000020311.1 1.6853351 2.00035262 2.10E-07 1.36E-06 0.78 5.78 5.33 RP11-876N2 chr16 sense_intronic
ENSG00000092620.9 5.4141948 0.36720498 1.67E-22 4.84E-21 0.07 0.79 0.05 0 0 PALMD palmdiphen chr11 protein_coding
ENSG0000014022.12 1.3101818 0.0021725 2.17E-05 2.17E-05 22.8 22.8 0.16 1.269 CCKK ceramide kinase chr12 protein_coding
ENSG0000027627.1 1.27150108 0.10494717 3.44E-07 2.14E-06 0.35 0.12 1.36 1.49 RP11-182L1 -- chr15 antisense
ENSG00000174032.15 1.84895166 0.9317454 5.40E-07 3.24E-06 0.06 0.028 0.84 0.8 SLCS2AS3 sulfate carrier family 25, member 30 chr13 protein_coding
ENSG00000164611.11 1.9842981 0.0718089 0.000119 1.58E-09 1.72 1.58 0.12 0.86 RAB31 member RAS oncogene family 134, member B chr18 protein_coding
ENSG0000019540.11 4.06439203 0.0712563 1.77E-14 2.69E-13 0.01 0.02 0.18 0.37 TCHH trichohyalin chr19 protein_coding
ENSG0000023453.8 1.4436558 0.6374579 0.00010226 0.00041131 0.09 0.25 0.37 0.85 ANKRD188 ankryn repeat domain 188 chr19 protein_coding
ENSG0000014153.12 1.71339538 1.3423238 8.42E-07 2.00E-06 0.15 0.15 0.78 1.49 FAM134B family with sequence similarity 134, member B chr19 protein_coding
ENSG0000019875.9 1.1330759 1.4318318 4.06E-06 2.12E-05 99.94 83.23 46.65 50257 RLPIA ribosomal protein L10a chr19 protein_coding
ENSG0000009686.13 1.39626687 0.1821847 0.0003882 0.0013707 0.21 0.14 0.47 0.77 MADCAM1 mucosal vascular addressin cell adhesion molecule 1 chr19 protein_coding
ENSG0000023461.7 1.97317459 3.074969 0.0008973 0.00439523 0.09 0.07 0.02 0.02 PRKCI1-AS1 PRKCI antisense RNA 1 chr19 protein_coding
ENSG0000013713.14 2.00349173 1.6682413 4.97E-09 3.97E-08 0.14 0.2 0.06 0.95 PPP1R2 protein phosphatase 2, regulatory subunit A, beta chr11 protein_coding
ENSG0000017468.19 5.19748251 2.896879 0.00538165 0.00488651 0.0 0 0.01 0.01 RIMS2 regulating synaptic membrane exocytosis 2 chr16 protein_coding
ENSG000001413.13 1.9501051 0.0000000 0.0000000 0.0000000 0.19 0.08 0.07 0.87 PPI1L1 peptidyl prolyl isomerase 1 (autosomal recessive) chr11 protein_coding
ENSG0000014062.16 2.2874666 3.62948 2.00E-13 2.69E-12 0.36 0.06 1.75 2.95 UBE3A ubiquitin protein ligase E3A chr15 protein_coding
ENSG0000012803.9 1.218973 0.0023235 1.07E-05 0.000481 0.09 0.09 0.09 2.09 HPS2 hypohidrotic syndrome 2 chr15 protein_coding
ENSG0000026464.1 1.18832971 1.0163741 0.0002943 0.0010441 0.41 0.24 0.11 0.12 RP4-561L2A -- chr21 lncRNA
ENSG00000181938.12 1.30779571 5.0643911 1.756E-06 3.76E-05 6.92 6.07 21.48 21.41 GINS3 GINS complex subunit 3 (Paf3 homolog) chr16 protein_coding
ENSG00000129915.12 1.2971813 0.0000000 1.07E-05 1.07E-05 2.26 2.26 0.18 0.78 EPIC2 epoxide hydrolase 2 cytoplasmic chr16 protein_coding
ENSG0000016758.11 3.2874483 3.5703943 1.82E-23 6.56E-22 0.56 0.84 9.53 8.71 C15orf27 chromosome 15 open reading frame 27 chr15 protein_coding
ENSG00000176084.1 4.8894445 3.0622891 0.00188973 0.00419557 0 0 0.04 0.11 HTR3C 5-hydroxytryptamine (serotonin) receptor 3C, ionotropic chr11 protein_coding
ENSG0000017614.8 1.9086673 0.0000000 0.0000000 0.0000000 0.7 0.7 1.63 KCBT5B glycidyl transferase transposable element derived 5 chr16 protein_coding
ENSG0000013780.9 1.12109313 4.93548209 3.29E-05 0.00014524 20.58 19.26 12.24 10.66 GF2P4H general transcription factor H1, polypeptide 4, 52kDa chr6 protein_coding
ENSG00000125149.10 1.112942 3.8518397 0.00015201 0.0005967 2.45 2.61 7.56 7.11 C10orf90 chromosome 10 open reading frame 70 chr16 protein_coding
ENSG000001624.6 1.31311943 0.0000000 0.0000000 0.0027867 1.53 1.66 0.07 0.77 CCZC2H2 zinc finger, CCHC domain containing 24 chr6 protein_coding
ENSG0000015453.12 1.1043513 0.99447407 6.30E-34 3.51E-32 1.21 0.87 0 0 0 POLM3 PDC and LIM domain 3 chr4 protein_coding
ENSG00000100004.4 1.28473928 1.69645465 7.93E-05 0.00039667 1.03 0.45 0.04 0.45 HCVAS5 human HCV AS chr5 protein_coding
ENSG00000102762.7 2.4902492 0.2241987 6.78E-09 5.32E-08 0.2 0.06 0.87 1.05 HCAR2 hydroxybutyric acid receptor 2 chr12 protein_coding
ENSG0000013641.5 1.22077048 1.42984798 2.86E-10 2.70E-09 0.37 0.56 0.15 0.11 DDDCI1 dix domain containing 1 chr11 protein_coding
ENSG00000135241.5 1.21416018 0.0000000 0.0000000 0.0000000 0.12 0.12 0.06 0.53 PNLRA8 protein kinase phosphatase domain containing 8 chr11 protein_coding
ENSG00000149017.3 1.49461961 4.9307146 8.89E-46 9.62E-44 9.9 9.7 0.45 0.45 ROR2 receptor tyrosine kinase-like orphan receptor 2 chr9 protein_coding
ENSG0000023439.2 1.1049149 0.1305554 0.00050697 0.0140658 0.91 0.68 0.29 0.73 RP11-488P3 -- chr19 sense_intronic
ENSG0000014048.9 0.0298108 2.3135174 0.0101262 0.00350143 1.68 1.68 0.29 2.79 PUSP1 protein phosphatase 1 (RNA/RNP complex 1-interacting) chr18 protein_coding
ENSG00000271040.1 2.06112484 1.5415863 0.00173462 0.0003347 0 0.33 1.06 0.79 RPS-93K2L1 -- chr19 lncRNA
ENSG00000268204.1 5.9710863 2.4147079 8.36E-05 0.00034052 0 0 0.38 0.23 CTD-324H1 -- chr19 antisense
ENSG00000186330.8 1.2770885 0.0000000 0.0000000 0.0000000 0.01 0.02 0.07 0.07 NRP1 nuclear receptor interacting protein 1 chr19 protein_coding
ENSG00000128643 1.17521396 2.31904423 4.32E-08 3.03E-07 5.54 5.25 2.79 147 RNF208 ring finger protein 208 chr19 protein_coding
ENSG00000131469.11 1.13221391 0.1961638 0.0000000 0.0000000 80.55 99.16 37.0 42.38 RPL27 ribosomal protein L27 chr19 protein_coding
ENSG0000029531.9 4.91020659 3.0611096 0.0104505 0.02582742 0 0 0.05 0.01 RP11-293M1 -- chr14 antisense
ENSG00000122641.9 1.3259741 2.786437 0.0094384 0.0246931 0.01 0.03 0 0 0 NHRBA inhibit, beta A chr19 protein_coding
ENSG00000268208.1 1.0034009 4.5058218 0.0000000 0.0000000 15.1 15.1 0.14 16.14 CTD-235D1 -- chr19 protein_coding
ENSG0000017257.6 1.3925603 2.0337029 2.60E-26 9.77E-25 0.78 0.86 0.03 0.12 PDE3A phosphodiesterase 3A, cGMP-inhibited chr12 protein_coding
ENSG00000269552.1 4.4688091 3.1062109 2.86E-34 1.61E-32 1.14 0.79 3.04 2.705 RP11-491L1 -- chr18 antisense
ENSG00000153372.4 1.305392 7.4862403 6.26E-06 3.17E-08 91.8 48.5 47.31 MRLC2A myosin, light chain 3 regulatory chr18 protein_coding
ENSG0000009844.14 2.0782974 1.64079756 1.59E-09 1.38E-08 0.15 0.11 0.56 0.93 VTA1 vesicle (multivesicular body) trafficking 1 chr6 protein_coding
ENSG00000274712.1 2.5825494 1.3854734 1.53E-12 3.88E-11 0.28 0.3 1.92 2.72 RP11-147L1 -- chr17 lncRNA
ENSG0000010744.13 1.0472803 0.0000000 0.0000000 0.0000000 0.06 0.06 0.06 0.66 CSK2 CSK2 interacting protein chr17 protein_coding
ENSG00000136560.12 2.5040566 0.1027964 2.83E-11 3.02E-10 0.14 0.18 0.67 1.97 TANK TRAF family member-associated NFkB activator chr2 protein_coding
ENSG0000016134.11 1.1143966 2.2804173 0.0003797 0.00141689 0.21 0.36 0.61 1.02 NAA15 NAA15-activator/transferase 15, Naa acylauric sulfoxide activating transcription factor 4 chr12 protein_coding
ENSG0000012572.13 2.81074845 0.0000000 0.0000000 0.0000000 46.4 29.7 26.04 AT4 26.04 AT4 chr22 protein_coding
ENSG0000016370.5 1.6327865 0.9603134 5.61E-06 2.85E-05 0.25 0.4 1.34 1.35 VMAC vimentin-type intermediate filament associated coiled-coil protein chr19 protein_coding
ENSG0000016280.15 1.926201 0.0000000 0.0000000 0.0000000 0.94 0.94 0.07 0.56 ALMA1 ADP-ribosylation factor-like 5A chr19 protein_coding
ENSG00000138152.8 4.1312041 1.9301309 1.13E-05 5.42E-05 0.01 0 0.31 0.12 BTBD16 BTB (POZ) domain containing 16 chr19 protein_coding
ENSG0000026882.1 0.40139403 0.8661836 1.79E-09 1.51E-08 0.02 0.01 0.34 0.33 CTD-309C6 -- chr19 sense_intronic
ENSG00000131286.1 1.6285165 3.842142 9.79E-17 6.17E-09 14.38 14.38 0.6 61.28 ONO2033 small nuclear RNA, C/D box 3A chr19 protein_coding
ENSG00000128346.9 1.0666669 0.0734494 0.009005 0.0267323 0.18 0.26 0.67 0.54 C22orf23 chromosome 22 open reading frame 23 chr22 protein_coding
ENSG0000018989.11 1.4432349 5.6577713 7.50E-07 4.40E-06 14.43 14.08 7.23 6.73 CUEC1 CUE domain containing 1 chr17 protein_coding
ENSG0000014171.6 1.18033475 0.0000000 0.0000000 0.0000000 5.4 14.4 4.87 TM7T10C RNA methyltransferase 10 homolog C (S. cerevisiae) chr17 protein_coding
ENSG00000146411.5 1.689339 1.178206 0.01883218 0.00419557 0.02 0.01 0.06 0.11 SLCA21A sulfate carrier family 2 (facilitated glucose transporter), member 12 chr6 protein_coding
ENSG00000119308.8 1.8470715 2.1254401 1.02E-48 1.30E-46 2.56 2.66 0 0.02 PPP1R3C protein phosphatase 1, regulatory subunit 3C chr10 protein_coding
ENSG00000101338.8 1.6281278 6.6810789 1.43E-06 4.01E-04 5.68 5.68 0.08 0.88 MTC1 mucosin, light chain 3 regulatory chr10 protein_coding
ENSG00000289391.1 1.9119754 1.522146 0.0018575 0.0007918 0.03 0.06 0.02 0.01 RP11-46E17 -- chr22 lncRNA
ENSG00000230975.5 2.810444 0.280424 1.20E-06 9.68E-08 0.04 0.04 0.12 0.96 DVC1L1 synaptonemal complex central element protein 1-like chr19 protein_coding
ENSG0000018716.18 1.10483709 7.4540336 0.0002464 0.0009147 29.06 24.94 1.98 16.8 RCR breakpoint cluster region chr22 protein_coding
ENSG00000143333.6 1.0027969 1.2282474 1.27E-08 9.60E-08 0.98 1.51 0.4 0.43 RGS16 regulator of G-protein signaling 16 chr1 protein_coding
ENSG0000013846.7 1.6714712 1.12712 1.47E-07 2.63E-06 0.22 0.21 1.05 1.71 HECTS1 HECT and RLD domain containing E3 ubiquitin protein ligase 5 chr19 protein_coding
ENSG0000019627.9 2.966455 1.9539693 6.52E-17 1.23E-15 0.13 0.13 1.2 1.55 FAM217B family with sequence similarity 217, member B chr20 protein_coding
ENSG00000107731.1 1.2689527 0.408051 1.82E-06 8.43E-05 2.53 2.96 1.72 1.3 UNCSH5 unc-5 homolog B (C. elegans) chr10 protein_coding
ENSG00000270371.1 1.0064864 1.1243441 0.0005313 0.00131943 0.02 0.02 0.1 0.11 RP11-343C2 chr19 protein_coding
ENSG00000105640.11 1.2365117 10.174467 2.14E-15 3.54E-14 82.72 714.54 2.03 17.11 RP11-RLB1A ribosomal protein L18a chr19 protein_coding
ENSG0000012853.6 4.2807915 0.2693059 2.14E-13 2.87E-12 0.01 0.01 0.2 0.44 UNC00504 long intergenic non-protein coding RNA 504 chr18 lncRNA
ENSG00000166011.1 1.8625036 0.6625036 1.57E-17 3.13E-16 52.46 52.46 0.48 4.87 KTK11 paired-like homeodomain 11 chr4 protein_coding
ENSG00000146360.13 1.1394123 6.2191304 1.47E-06 8.24E-06 37.97 32.

ENSG0000015240.11	1.28251252	163102906	0.00011155	0.00044381	1.31	0	1.21	248	574	HAU51	HAUS augmin-like complex, subunit 1	chr18	protein_coding
ENSG00000134006	1.47821909	163102906	0.00011155	0.00044381	1.31	0	1.21	248	574	HAU51	HAUS augmin-like complex, subunit 1	chr18	protein_coding
ENSG0000012319.14	-1.0592379	76431283	0.00227299	0.00085384	121.75	0	102.94	72.51	7122	GPC1	GPC PDZ domain containing family, member 1	chr19	protein_coding
ENSG00000166448.13	-3.6628925	-0.1637023	7.00E-13	8.92E-12	0.35	0.07	0.02	0.01	0.01	TMEM130	transmembrane protein 130	chr7	protein_coding
ENSG00000131127.12	-0.5494166	0.0009897	8.05E-16	3.75E-14	0.18	0	0.18	0	0.18	ZNF143	zinc finger protein 143	chr4	protein_coding
ENSG0000012789.61	1.98629448	-1.8601781	0.00987167	0.02519005	0	0.21	0.02	0	0.28	TRH8-AS1	TRH8 antisense RNA 1	chr7	processed_transcript
ENSG00000127744.4	-5.531717	-2.8643549	0.00130008	0.0499521	0.07	0.01	0.01	0	0	HLA3B79	HLA class II antigen	chr1	incRNA
ENSG00000186660.13	5.51613647	1.8906737	0.00340476	0.0125664	0	0.11	0.05	0.02	0.02	UNC103B9	long intergenic non-protein coding RNA 319	chr21	incRNA
ENSG00000104084.11	-1.4969259	4.81511179	3.51E-07	2.18E-06	4.04	4.58	2.05	2.02	NPF5B	inositol polyphosphate-5-phosphatase	chr1	protein_coding	
ENSG00000104591.5	-4.9032474	1.1064302	1.90E-26	8.95E-25	0.49	1.37	0.04	0.06	ADRA1	adenosine cyclase beta 1	chr10	protein_coding	
ENSG0000017625.7	0.0094605	0.0031813	0.00394609	0.0030104	1.17	0.45	0.05	0.17	ZNF543	zinc finger protein 543	chr19	protein_coding	
ENSG00000152495.9	-2.3473778	-0.8099982	6.55E-06	3.29E-05	0.09	0.02	0.01	0.02	CAMK4	calmodulin/calmodulin-dependent protein kinase IV	chr5	protein_coding	
ENSG0000012483.16	4.3052695	0.9399619	4.22E-17	1.11E-19	0.02	0.03	0.49	0.87	CCDC138	coiled-coil domain containing 18	chr1	protein_coding	
ENSG00000126544.1	5.326735	-2.8777865	0.0290522	0.0086312	0	0	0.54	0.05	AC008060.8	lincRNA	chr7	processed_transcript	
ENSG0000015161.12	3.7504661	0.56751084	6.70E-16	1.15E-14	0.02	0.09	0.06	0.89	HLA-F antisense RNA 1	HLA-F antisense RNA 1	chr3	processed_transcript	
ENSG0000017501.12	-7.816033	2.1758402	0.0047176	0.0167193	0	0.04	0	0	CADAF1	cell adhesion molecule 2	chr1	protein_coding	
ENSG00000171208.8	1.20228663	3.95149745	4.96E-05	0.00021199	1.1	0.92	2.79	3.41	NETO2	neuropilin (NP) and toll-like (TLU)-like	chr16	protein_coding	
ENSG0000017780.12	-1.3592304	5.44446657	3.15E-06	1.68E-05	10.4	9.56	5.45	4.91	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (Spirn), alpha 3	chr19	protein_coding	
ENSG00000170504.1	3.16333997	5.21743036	7.87E-24	2.50E-22	2.15	2.22	24.12	26.13	RP11-420L9.1	RP11-420L9.1	chr16	antisense	
ENSG00000163947.10	1.93484306	1.59678129	1.81E-08	1.33E-07	0.13	0.23	0.82	1.05	ARHGEF3	Rho guanine nucleotide exchange factor (GEF) 3	chr3	protein_coding	
ENSG00000087299.10	1.7902842	2.64227322	1.48E-08	1.11E-07	0.21	0.48	1.17	1.19	L2HSDH	L-2-hydroxyglutaryl dehydrogenase	chr14	protein_coding	
ENSG00000103357.11	5.3136355	4.24507779	2.69E-27	1.09E-25	4.7	4.38	0.52	0.54	GAB2	GAB2-associated binding protein 2	chr1	protein_coding	
ENSG00000125611.1	5.80179215	-2.5306812	0.0026535	0.0009747	0	0	0.39	0.12	RP11-70C11.1	RP11-70C11.1	chr1	antisense	
ENSG00000122764.2	5.30549889	4.96337402	1.03E-19	1.39E-18	0.9	0.84	4.11	46.98	RP11-5407.1	RP11-5407.1	chr1	incRNA	
ENSG00000125244.3	2.45372887	-2.0293868	0.0408959	0.0187554	0.04	0	0	0.21	RP11-761E2.2	RP11-761E2.2	chr1	antisense	
ENSG00000160399.10	-12.54975	3.49902168	1.27E-48	4.70E-66	5.41	7.42	0	0	EPDR1	spermidin related 1	chr7	protein_coding	
ENSG00000170175.1	1.10491486	0.22777787	0.0010671	0.0138466	0.05	0.04	0.12	0.12	C14-04407.1	C14-04407.1	chr22	sense_intronic	
ENSG00000160507.6	-1.2047397	5.29189607	3.41E-05	0.00150306	44.82	37.98	24.86	23	NTHL1	thiophosphate II-like (I.E. coli)	chr16	protein_coding	
ENSG00000126116.11	6.1282037	-2.3082274	2.70E-05	0.0012094	0	0	0.18	0.11	RP3-52K23.1	RP3-52K23.1	chr6	sense_intronic	
ENSG0000012078.1	4.7821296	-2.7332022	0.0038006	0.0465521	0	0	0.03	0.03	RP4-734322	RP4-734322	chr1	antisense	
ENSG00000133731.8	2.24185769	0.39750678	5.00E-08	3.49E-07	0.19	0.05	0.37	1.14	IMPA1	inositol(myo)-[1or 4]-monophosphate 1	chr12	protein_coding	
ENSG00000151021.7	-4.1573262	9.24289918	4.88E-07	2.96E-06	470.83	476.75	240.24	218.88	PHB2	proboscoid 2	chr12	protein_coding	
ENSG00000186705.7	2.865395	1.59464598	0.0001491	1.26E-05	0.95	0.95	0.27	0.45	ZNF431	zinc finger protein 431	chr12	protein_coding	
ENSG00000149825.5	2.6036075	-2.3285497	0.0455824	0.01291303	0.02	0.02	0	0.32	RP1-179N16.1	RP1-179N16.1	chr6	antisense	
ENSG0000017266.2	-5.3767252	0.0007562	0.00056512	0.00056512	0.24	0.24	0	0	CRS2	cytoskeleton receptor, family 5, subfamily B, member 2	chr11	protein_coding	
ENSG0000017444.17	1.1095072	5.63462636	0.0012663	0.0049811	24.46	26.29	16.13	15.16	CLK2	CLK-like kinase 2	chr17	protein_coding	
ENSG0000017435.5	1.7435219	-0.4802057	0.00020204	0.00076235	0.07	0.16	0.3	0.73	RP11-649A1.1	RP11-649A1.1	chr17	TEC	
ENSG00000124473.5	5.1579144	-1.5774414	1.10E-06	6.26E-05	0.43	0.43	0.11	0.43	RP11-501M1	RP11-501M1	chr9	incRNA	
ENSG00000154573.4	-8.8567099	3.3268537	1.68E-29	7.57E-28	20.02	29.49	2.24	2.3	FAM72C7	family with sequence similarity 72, member C	chr9	protein_coding	
ENSG00000126525.1	-6.938121	-1.881426	8.18E-08	5.55E-07	0.1	0.15	0	0	AC005683.1	AC005683.1	chr17	incRNA	
ENSG0000010187.14	-3.8236134	6.60753315	7.73E-15	3.95E-14	4.35	4.35	0.28	4.35	ALCOA1	aluminum carrier organic anion transporter family, member 4A1	chr2	protein_coding	
ENSG00000169888.6	-1.1444013	7.59050093	7.04E-05	0.00029231	75.6	64.16	42.91	41.35	ER2	immediate early response 2	chr19	protein_coding	
ENSG00000123607.13	2.87387084	0.4032903	2.99E-11	3.18E-10	0.01	0.08	0.28	0.57	ITC21B	transmembrane repeat domain 21B	chr19	protein_coding	
ENSG00000126388.1	2.8211819	0.51762372	1.61E-11	2.18E-10	0.07	0.02	1.34	1.32	RP11-228D1	RP11-228D1	chr1	TEC	
ENSG00000164218.18	1.25879088	1.6254806	1.34E-05	6.35E-05	12.52	16.34	41.81	50.28	STAU1	staufen double-stranded RNA binding protein 1	chr20	protein_coding	
ENSG00000155330.2	5.1969884	-0.3067412	5.61E-15	8.96E-14	0	0.02	0.3	0.64	UGKAP	leucine-rich repeats and guanylate kinase domain containing	chr7	protein_coding	
ENSG00000136986.14	5.1623097	6.16964949	1.68E-07	1.23E-07	0.48	0.48	0.14	17.46	WDK45	WD repeat domain 45	chr16	protein_coding	
ENSG00000134339.7	-4.1024276	-0.8608447	4.07E-11	4.25E-10	0.24	0.48	0	0.05	SAI2	serum amyloid A2	chr11	protein_coding	
ENSG00000126269.15	-0.7894621	0.0007603	0.00060335	0.00060335	0.09	0.09	0.09	0.09	FAM125A	family with sequence similarity 125, member A	chr6	protein_coding	
ENSG00000125571.5	-0.4978417	1.51115564	2.59E-38	1.79E-36	0	0	1.37	1.09	UNC0925	long intergenic non-protein coding RNA 925	chr15	incRNA	
ENSG00000167508.9	1.2822206	5.89410784	1.01E-05	4.87E-05	16.14	13.73	46.25	50.73	MVD	mevalonate (diphospho) decarboxylase	chr1	protein_coding	
ENSG00000125714.3	-2.862007	2.1206777	0.0002605	0.0006969	0.19	0.28	0	0.07	RP11-11490	RP11-11490	chr16	antisense	
ENSG00000127808.2	-4.0327725	0.2780806	6.76E-27	2.65E-25	1.55	1	0.07	0.1	RP11-66B24.2	RP11-66B24.2	chr15	crossed_transcript	
ENSG00000108669.15	-2.316105	6.22137144	9.79E-15	1.53E-13	27.64	23.23	4.68	7.15	CYTH1	cytohesin 1	chr17	protein_coding	
ENSG0000011370.9	-4.1717567	-0.2376242	0.0001491	1.26E-05	0.95	0.95	0.27	0.45	EHADH1	ethyl-CoA hydratase-3-hydroxyacyl CoA dehydrogenase	chr19	protein_coding	
ENSG0000017992.5	1.0567628	3.61105187	0.0037311	0.0133735	2.92	3.28	9.68	7.45	ZNF784	zinc finger protein 784	chr17	protein_coding	
ENSG00000127878.12	-1.7491558	2.25694799	4.51E-08	3.10E-07	1.6	1.87	0.6	0.78	MEP1AD	methionyl aminopeptidase type 1D (mitochondrial)	chr1	protein_coding	
ENSG00000186438.8	2.750219	6.16964949	1.68E-07	1.23E-07	0.48	0.48	0.14	17.46	WDK45	WD repeat domain 45	chr16	protein_coding	
ENSG00000182128.8	1.2668967	-0.4607258	5.40E-05	0.0002876	0.32	0.31	1.01	1.01	HHIP1	HHIP-like 1	chr14	protein_coding	
ENSG00000169830.10	5.9793819	-2.4123207	0.0001491	1.26E-05	0.95	0.95	0.27	0.45	OPD3	OPD, zinc and double PHD fingers, family 3	chr14	protein_coding	
ENSG00000126854.1	2.17172429	-1.9228925	0.0045943	0.01266454	0.05	0	0.26	0.08	AC02806.1	AC02806.1	chr19	antisense	
ENSG00000109018.1	-2.4652123	-2.4417514	0.0077015	0.0197784	0	0.07	0.32	0.24	CTD-26191.1	CTD-26191.1	chr1	antisense	
ENSG00000196089.9	1.1667163	1.44744446	0.0001491	1.26E-05	0.95	0.95	0.27	0.45	HAUS2	haustorium 62kDa C-terminal like	chr1	protein_coding	
ENSG00000183775.9	-4.5037703	-2.0511289	6.92E-06	3.47E-05	0.02	0.03	0	0	CTD16B	potassium channel tetramerization domain containing 16	chr5	protein_coding	
ENSG00000123610.1	2.3160591	-1.1847825	6.85E-05	0.0002817	0.28	0.22	2.19	1.29	AC037333.1	AC037333.1	chr1	protein_coding	
ENSG00000105638.17	2.8598676	2.1159158	0.003461	0.0012013	0.07	0.02	0.02	0	AKC3	Janus kinase 3	chr19	protein_coding	
ENSG00000171303.6	-2.8584356	3.2745538	7.02E-19	1.56E-17	2.36	2.06	4.03	0.39	CKNK3	potassium channel, two pore domain subfamily K, member 3	chr2	protein_coding	
ENSG00000125558.1	5.68288014	-2.6655698	0.004761	0.0167191	0	0	0.11	0.12	CC2D4D	CC2D calcium-dependent domain containing 4D	chr1	protein_coding	
ENSG00000124203.5	6.9150219	-2.1156918	1.89E-06	4.95E-07	0.48	0.48	0.14	0.05	DNF5L1	zinc finger protein 551	chr20	protein_coding	
ENSG00000126526.2	-1.2137621	1.3816693	0.0029551	0.0107806	3.55	3.73	2.11	2.07	CTD-25456.1	CTD-25456.1	chr17	protein_coding	
ENSG00000124372.5	-1.2587423	6.1804294	1.39E-05	6.58E-05	54.96	46.46	29.04	27.38	EIF6	eukaryotic translation initiation factor 6	chr20	protein_coding	
ENSG00000183072.9	2.7595949	6.16964949	1.68E-07	1.23E-07	0.48	0.48	0.14	3.32	NKX2-5	NKX homeobox 5	chr3	protein_coding	
ENSG00000174197.15	2.10011164	5.9425302	6.27E-12	7.22E-11	0.31	0.31	1.62	1.91	MGMA	MGA, MAX dimerization protein	chr15	protein_coding	
ENSG00000125786.1	1.2018599	0.0007603	0.00060335	0.00060335	0.09	0.09	0.09	0.09	DNH3B	small nuclear RNA host gene 18	chr16	incRNA	
ENSG00000183899.11	-1.4536947	-0.9162945	0.0027661	0.0082745	0.5	0.21	0.14	0.2	AC138969.4	AC138969.4	chr15	protein_coding	
ENSG00000168769.11	2.9738344	1.0256188	1.63E-10	1.58E-09	0.01	0.02	0.07	0.18	TE2	test methyltransferase diorganophosphate 2	chr1	protein_coding	
ENSG00000128881.5	1.2185929	1.4945636	1.93E-07	1.23E-07	0.48	0.48	0.14	0.45	TBR2	tubulin kinase 2	chr25	protein_coding	
ENSG00000162552.13	3.04211646	0.07269092	6.43E-11	6.58E-10	0.04	0.04	0.44	0.52	WNT4	wntless-type WNTV interaction site family, member 4	chr1	protein_coding	
ENSG00000170989.12	-2.5753213	0.90139868											

ENSG0000018608.3	2.8471137	0.7839661	2.48E-12	2.99E-11	0.06	0.06	0.36	0.81	ZDHHC17	zinc finger, DHHC-type containing 17
ENSG0000018609.3	3.6450522	3.4789040	4.03E-25	1.41E-23	0.25	0.22	2.58	4.3	BZB1C1	bromodomain adjacent to zinc finger domain, 1A
ENSG0000018610.3	1.1430325	0.1802505	1.90E-05	1.00E-05	0.39	0.39	0.49	0.2	RPL11-15A3.3	
ENSG00000117010.4	1.2596542	0.0831018	0.0014952	0.00475159	0.21	0.13	0.53	0.57	ZNF654	zinc finger protein 684
ENSG0000018611.3	1.8705925	1.3494088	0.0142213	0.00453952	0.12	0.04	0.45	0.36	RPL11-200P2	
ENSG0000018612.3	3.3314568	2.7691469	0.0011217	0.0011217	0.02	0.02	0.02	0.04	CGFR2	cytokine growth factor receptor 2
ENSG0000024591.5	5.57358239	0.02138063	3.53E-18	7.32E-17	0.0	0.11	4.57	3.23	RPL11-661A1	
ENSG0000024591.5	3.0897468	4.6804158	9.93E-23	2.9E-21	5.52	6.31	1.08	0.83	NABP3	NEDD4 binding protein 3
ENSG0000024591.5	3.3699296	0.0000000	0.0000000	0.0000000	0.0	0.0	0.0	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000024591.5	2.3401521	5.22217663	9.69E-15	1.52E-13	19.82	20.93	5.53	5.18	FOXO2	forkhead box C2
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	MAP1B	microtubule-associated protein 1B
ENSG0000017682.5	3.5719356	2.7614602	0.003237	0.0049156	0.01	0.06	0.01	0.0	ECFAB31	EF-hand calcium binding domain 13
ENSG0000017682.5	3.5719356	2.7614602	0.00323							

ENSG0000013774.18	1.02130442	515406678	00041612	00014726	133.2	8.25	9.09	MAPK15	mitogen-activated protein kinase kinase 5	chr15	protein_coding			
ENSG00000140146	1.01094441	108187717	44779	8.556	-1.01	0.13	0.41	DNAH21	dynen, axonemal, heavy chain h11	chr7	protein_coding			
ENSG0000013861.1	1.01312861	116837710	10000000	5.476	-0.05	0.13	0.69	OMAI	32n metalloproteinase	chr1	protein_coding			
ENSG0000016880.15	1.07076163	402269781	5106	1.32	-0.07	0.44	0.57	312	synthrophin, beta 2 (phosphoinositide-associated protein A1, 590Da, basic component 2)	chr16	protein_coding			
ENSG0000022842.32	1.07086457	25485333	00002635	0.009747	0.0	0.27	0	0	SLC43B3	Na+/K+ cotransporter 3	chr1	lncRNA		
ENSG0000010011.11	1.74617399	-0.2085451	9246	1.55	0.00	0.04	0.2	0.4	SLC25A40	solute carrier family 25, member 40	chr1	protein_coding		
ENSG0000013858.12	2.7295367	27493902	4366	1.64	-1.5	0.12	0.18	1.2	221	tyrosine kinase 1	chr2	protein_coding		
ENSG00000134769.20	6.7995357	21050049	5256	-1.46	-1.22	0.17	0.16	0	0	DTNA	dytrolein, alpha	chr18	protein_coding	
ENSG0000013701.14	1.497026	15170825	4336	0.55	-0.05	0.39	1381	11	ENKST2	connexin 20	chr1	protein_coding		
ENSG00000228192.6	1.3126548	04084587	1206	1.33	1.66	-1.2	0.84	152	0.1	0.25	RP11-342M1.1	antisense		
ENSG0000016402.11	3.7746209	18751861	4798	-1.19	-1.07	0.08	0.02	0.96	0.91	L20RA	interleukin 20 receptor, alpha	chr6	protein_coding	
ENSG0000016701.12	1.00076163	20000000	00001188	0.004945	0.0	0.45	29.63	18.4	ARMT1	armino acid transferase containing 6	chr19	protein_coding		
ENSG00000234965.2	6.189265	-2.439594	1746	-0.05	0.0020031	0.15	0.16	0	0	SHISA8	family member 8	chr22	protein_coding	
ENSG00000204962.1	5.509712	158021	4766	-1.56	-1.08	0.00	0.11	0	0	RP11-380I1.1	antisense			
ENSG00000204032.12	5.245598	-1.054298	4186	-1.99	-0.9	0.07	0.08	0.04	0.02	KIAA2022	KIAA2022	chr1	lncRNA	
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	6738	1.22	7.00	-1.11	0.07	0.03	0.31	0.47	PLC1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG00000138193.13	2.44771903	15581495	673											

ENSG000002728531	1.2864719	1.106912	4422E-05	0.0019159	0.75	0.37	0.16	0.16	RP11-398C1L	chr7	lincRNA
ENSG00000276434	1.1428202	-0.2590193	0.0951434	0.02486403	0.79	1.11	2.52	0.31	POLR22	chr7	protein, coding
ENSG00000276435	1.1428202	2.3822644	0.0951434	0.02486403	0.79	1.11	2.52	0.31	LOC101927	chr7	protein, coding
ENSG00000276771	1.4964885	2.7087023	0.0015808	0.0004555	0.05	0.0	0.27	0.0	RP11-123K3L	chr12	antisense
ENSG00000276781	1.2979785	3.0466667	2.11E-05	9.64E-05	1.02	1.61	0.81	4.75	IFIT1	chr1	protein, coding
ENSG00000276782	1.1328262	1.5324949	0.0001153	0.0001153	0.02	0.0	0.35	1.24	CHST15	chr1	protein, coding
ENSG00000276783	1.451263	7.8448042	5.59E-07	3.57E-06	108.71	117.09	56.5	53.38	EXD4	chr2	protein, coding
ENSG00000276784	1.1398964	1.4837647	0.0003738	0.0012896	0.44	0.37	0.97	1.5	LOC101927	chr12	protein, coding
ENSG00000276785	1.1442534	2.6991545	7.54E-05	0.0003153	0.01	0.0	0.35	0.88	TP53I1	chr12	protein, coding
ENSG000002766901	1.6376954	-1.986808	0.0196723	0.0467703	0.45	0.19	0.17	0.01	RP11-727F1L	chr11	antisense
ENSG00000276691	1.3659342	1.2754306	4.29E-08	2.96E-07	0.04	0.12	0.0	0.01	ADHL12	chr12	protein, coding
ENSG00000276692	1.3659342	1.2754306	4.29E-08	2.96E-07	0.04	0.12	0.0	0.01	SNR343	chr12	protein, coding
ENSG00000276693	1.6382816	2.409113	8.67E-52	1.29E-49	1.39	1.58	0.03	0.02	TRP2	chr12	protein, coding
ENSG00000276694	1.7083170	2.3339964	6.06E-06	5.83E-42	0.0	0.06	5.96	5.48	CERS4	chr19	protein, coding
ENSG00000276695	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276696	1.0564572	2.9744209	0.0000055	0.02852742	0.0	0.14	0.0	0.24	RP11-512M2L	chr12	TEC
ENSG00000276697	1.5989183	3.5547312	1.59E-05	1.59E-05	1.68	1.68	0.0	0.37	FAM158A	chr12	protein, coding
ENSG00000276698	1.4174823	6.9254076	3.84E-47	4.55E-45	16.14	15.91	0.73	0.68	GRB10	chr7	protein, coding
ENSG00000276699	1.0793229	4.0771732	0.0000024	0.00050242	0.34	3.27	9.1	6.84	DTYRK1B	chr19	protein, coding
ENSG00000276700	1.7894339	1.7894339	1.43E-09	3.48E-07	4.26	3.17	1.87	1.1E-07	PP1R35	chr19	protein, coding
ENSG00000276701	1.9345478	3.2550509	4.23E-10	3.91E-09	1.12	1.52	5.74	0.01	TRM78	chr19	protein, coding
ENSG00000276702	1.1567872	1.6926611	0.0042556	0.0015086	2.74	1.79	1.8	1.92	LM1	chr11	protein, coding
ENSG00000276703	1.5453575	1.5453575	1.43E-09	3.48E-07	4.26	3.17	1.87	1.1E-07	PP1R35	chr19	protein, coding
ENSG00000276704	1.2125297	3.0135904	1.20E-11	1.34E-10	2.09	2.04	0.6	0.67	AMIGO1	chr1	protein, coding
ENSG00000276705	1.2486742	1.0330773	8.33E-09	6.48E-08	0.19	0.14	0.05	1.25	DNAJC24	chr1	protein, coding
ENSG00000276706	1.1596518	3.0565038	8.7E-07	0.0001153	0.13	0.17	0.29	1.53	LOC101927	chr11	protein, coding
ENSG00000276707	1.8517074	1.8517074	9.22E-07	5.33E-06	0.52	0.61	1.86	3.99	TCF32	chr12	protein, coding
ENSG00000276708	1.2158077	2.2623287	1.37E-13	1.88E-12	966.05	784.62	273.26	245.02	PRDM5	chr11	protein, coding
ENSG00000276709	1.7845075	1.7845075	1.43E-09	3.48E-07	4.26	3.17	1.87	1.1E-07	PP1R35	chr19	protein, coding
ENSG00000276710	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276711	1.7031907	2.2701022	0.0000002	0.0000002	0.0	0.0	0.0	0.0	LOC101927	chr12	protein, coding
ENSG00000276712	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276713	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276714	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276715	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276716	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276717	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276718	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276719	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276720	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276721	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276722	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276723	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276724	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276725	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276726	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276727	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276728	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276729	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276730	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276731	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276732	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276733	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276734	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276735	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276736	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276737	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276738	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276739	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276740	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276741	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276742	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276743	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276744	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276745	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276746	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276747	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276748	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276749	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276750	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276751	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276752	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276753	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276754	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276755	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276756	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276757	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276758	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276759	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276760	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276761	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276762	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276763	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276764	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276765	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276766	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276767	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276768	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276769	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276770	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	protein, coding
ENSG00000276771	1.5031924	1.8893537	7.7E-09	2.1E-05	0.39	0.39	0.39	0.83	NR2P1	chr19	

ENSG00000159230.10	1771333.00	0.33193065	1.77E-05	8.19E-05	0.09	0.24	0.93	0.48 C20orf81	chromosome 2 open reading frame 81	chr2	protein_coding	
ENSG00000175562.10	4638496.1	0.97234049	1.45E-25	5.23E-24	0.05	0.07	1.13	149 KDEMBA	lysine (K)-specific dipeptide 6A	chr1	protein_coding	
ENSG00000134215.14	2.7660081	-0.394231	4.67E-08	3.27E-07	0.05	0	0.17	322 VAV2	vasp 3 guanine nucleotide exchange factor	chr1	protein_coding	
ENSG00000175401.14	1.6600000	0.984014	6.72E-13	1.63E-13	0.05	0.06	1.33	ENSG00000175401.14	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 24	chr1	protein_coding	
ENSG00000174788.1	51178241	-0.831066	3.67E-21	9.93E-20	0.13	0.14	0.41	464 PCP2	Purkinje cell protein 2	chr1	protein_coding	
ENSG0000014988.18	1.3872527	0.952682	1.75E-06	9.70E-06	0.061	0.99	5.65	477 KNGA3	NAD(P)H dehydrogenase, quinone 2	chr1	protein_coding	
ENSG00000137174.12	1.44445	1.74E-24	1.93E-14	2.03E-13	0.38	0.91	2.03	ENSG00000137174.12	ENSG00000137174.12	chr1	protein_coding	
ENSG00000183628.18	34716346	0.98947198	1.25E-16	2.31E-15	0	0.17	1.36	105 NKG6-1	NKG6 homolog	chr4	protein_coding	
ENSG00000148939.10	1.4893909	0.98808	0.0000000	0.0000000	0	0.00	0.00	ENSG00000148939.10	ENSG00000148939.10	chr2	protein_coding	
ENSG00000185676.3	1.5789523	1.1594838	6.02E-06	0.0045E-05	0.24	0.36	1.21	115 ARC	kinase suppressor of ras 2	chr2	protein_coding	
ENSG00000186266.15	1.0030615	1.4615942	0.0029964	0.0030954	0.22	0.22	0.4	472 CXOR18	CXOR18 cytochrome c oxidase assembly factor	chr2	protein_coding	
ENSG00000163549.9	6.35449	0.983408	1.15E-13	1.15E-13	1.23	1.23	1.23	153 TNFSF10	tumor necrosis factor (ligand) superfamily, member 10	chr1	protein_coding	
ENSG0000000432.14	1.0820725	0.4013749	0.0000000	0.00000713	0.85	0.74	2.5	197 MAPK9	mitogen-activated protein kinase kinase 9	chr14	protein_coding	
ENSG00000110002.14	1.5815374	2.0285445	1.55E-37	1.03E-35	1.17	0.95	0.05	0	WMA50	von Willebrand factor A domain containing 5A	chr11	protein_coding
ENSG000001245.11	1.3856324	1.345656	1.55E-17	1.77E-17	1.44	1.44	1.44	54E-08	transcriptase repeat domain 39C	chr18	protein_coding	
ENSG0000019620.11	1.0380215	1.0120362	0.0012527	0.000000857	403.65	372.68	254.79	23163 TUBB	tubulin, beta class I	chr7	protein_coding	
ENSG00000218695.7	2.1079474	1.7662845	5.72E-09	4.55E-08	0.54	0.59	1.85	328 AC90M0402	AC90M0402	chr1	antisense	
ENSG000001744.3	1.0020381	0.983784	1.30E-16	6.89E-10	0.33	0.02	0.91	0.02 RNAI	ribonuclease H-methyltransferase	chr17	protein_coding	
ENSG0000021261.36	1.6223439	-0.256136	1.50E-12	1.86E-11	0.52	0.42	0.07	0.03 RNAI	plasmogen activator, urokinase	chr10	protein_coding	
ENSG00000117262.17	1.5686359	2.0193218	1.01E-06	8.26E-09	0.97	0.66	2.96	353 GPR89A	G protein-coupled receptor 89A	chr1	protein_coding	
ENSG000001751.9	1.620319	2.6763765	0.0012528	0.0000442	4.34	4.46	13.69	446 GPR89A	G protein-coupled receptor 89A	chr1	protein_coding	
ENSG00000212467.1	1.4219422	0.4802459	2.55E-17	4.95E-16	0	0.39	4.53	445 RPI1-SD22P1-1	RPI1-SD22P1-1	chr1	lncRNA	
ENSG00000120888.14	1.0020888	1.4617656	0.0000000	0.0000000	0.51	0.51	0.51	11002 RPI1-SD22P1-1	RPI1-SD22P1-1	chr1	protein_coding	
ENSG00000141614.14	2.0098208	3.7373761	5.38E-11	5.54E-10	1.11	1.23	4.65	798 DCDC4	DBD1 and CUL4-associated factor 6	chr1	protein_coding	
ENSG00000241472.5	1.0521713	-1.2215183	1.71E-09	5.62E-08	0	0.01	0.13	0.23 PTFR9-AS1	PTFR9 antisense RNA 1	chr1	processed_transcript	
ENSG0000014444.13	1.3389896	0.916752	7.04E-06	1.31E-07	826.2	412.37	1.02	454 CTRP2	ribosomal protein L13	chr15	protein_coding	
ENSG00000189047.5	1.8323354	1.581117	1.78E-09	1.51E-08	1.36	1.65	0.52	0.61 RSL1	insulin receptor subunit alpha	chr2	protein_coding	
ENSG00000267424.1	5.8224587	0.7831928	8.99E-28	7.27E-26	4.34	2.8	0	0.15 CD-226SG	CD-226SG	chr19	antisense	
ENSG000001735.17	1.3653782	1.4591235	1.33E-13	1.25E-12	2.54	2.54	2.54	122 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000196748.1	5.2526039	-0.883398	0.0038165	0.0148881	-0.5	0	0.46	0.17 CULP2	zinc finger protein 2	chr1	protein_coding	
ENSG00000210024.3	3.3242308	-1.076123	3.64E-07	2.26E-06	0.03	0.31	0.63	0.06 ZNF670	zinc finger protein 670	chr10	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.82 PHLDAL	pleckstrin homology-like domain, family A, member 1	chr12	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory protein	chr1	protein_coding	
ENSG00000192919.12	3.4676979	0.794707	1.25E-07	2.22E-06	5.74	5.87	0.09	0.02 CDM4	CD4 molecule, complement regulatory			

ENSG00000236081.1	-3170931	392371532	7846-23	231E-21	32.16	37.33	6.74	351	ELF1N-AS1	ELF1 antisense RNA 1	dhv7	lncRNA	
ENSG00000212704.1	-15203892	0.42499			0.71	0.48	0.13	115	TMC21-AS1	TMC21 antisense RNA 1 (head to head)	dhv7	antisense	
ENSG00000165434.7	16709748	-0.269354	0.0002232	0.00083364	0.02	0.04	0.14	0.13	PGM2L1	phosphoglucomutase 2-like 1	dhv11	protein_coding	
ENSG00000186199.9	344522375	-1320469	1.32E-06	7.43E-06	0	0.02	0.02	0.04	NUM2B	NUM family member 2B	dhv10	protein_coding	
ENSG00000117425.12	1030002	-0.984648	0.0001502	0.0001502	0.00	0.00	0.00	0.17	PTC42		dhv10	protein_coding	
ENSG00000156025.9	102412814	21490306	0.0012023	0.00389847	0.27	0.44	0.22	121	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	dhv9	protein_coding	
ENSG000001397015	28998835	339658944	731E-20	1.74E-18	0.83	0.67	1.74	762	RTN1	reticulon 1	dhv14	protein_coding	
ENSG00000143288.11	21303925	144102108	487E-11	5.06E-10	0.48	0.48	0.41	396	NUF2	NUF2, NDC80 kinetochore complex component	dhv1	protein_coding	
ENSG00000189449.9	18701748	28577972	375E-06	1.97E-05	0.08	0.11	0.45	0.51	C11orf63	chromosome 11 open reading frame 63	dhv11	protein_coding	
ENSG00000105332.10	206380176	-0.4830794	1.59E-05	7.44E-05	0.01	0.18	0.2	0.85	CGRRF1	cell growth regulator with ring finger domain 1	dhv14	protein_coding	
ENSG00000197942.9	45818636	4.619366	4.87E-08	2.66E-07	0.17	0.23	6.39	834	PRR	prim (iron-binding) nuclear protein	dhv12	protein_coding	
ENSG00000136478.6	114606999	412811235	0.0010239	0.0004167	1.33	1.89	4.14	537	TXD2	testis expressed 2	dhv17	protein_coding	
ENSG0000025893.9	23201767	-2.482637	0.019235	0.0408385	0.04	0.09	0.19	0.19	RPLP25	RPLS antisense	dhv17	protein_coding	
ENSG0000012875.12	15135565	49532019	2.63E-07	1.65E-06	2.78	3.03	1156	1051	TBC1D20	TBC1 domain family, member 20	dhv20	protein_coding	
ENSG00000196440.10	-2.210012	-0.5835166	4.10E-06	2.14E-05	0.11	0.11	0.05	0.01	ARMCA4	armadillo repeat containing, X-linked 4	dhvX	protein_coding	
ENSG00000164807.12	21582935	146045296	7.84E-07	3.93E-06	0.2	0.47	1.8	329	MCU2	mitochondrial calcium uptake 2	dhv13	protein_coding	
ENSG00000273565.1	234586639	-0.964725	5.34E-05	0.0002654	0.16	0.29	1.5	1.61	CTD-3075F1	--	dhv14	lncRNA	
ENSG0000050267.19	34876646	22462474	4.96E-22	1.39E-20	0.03	0.16	0.87	2.01	ARID4B	AT rich interactive domain 4B (BRP1-like)	dhv1	protein_coding	
ENSG00000122078.1	-6.4252012	-1.9700183	7.24E-07	1.42E-06	2.38	1.99	0	0	CTA-3840F1	--	dhv22	antisense	
ENSG00000228673.1	290879791	-1.4003822	2.09E-05	9.56E-05	0.08	0.08	0.08	1.01	0.73	OGFR-AS1	OGFR antisense RNA 1	dhv20	antisense
ENSG00000106462.9	133349861	424234572	6.22E-06	3.14E-05	2.69	3.74	10.41	11.16	LZHU	enhancer of zeste 2 polycomb repressive complex 2 subunit	dhv2	protein_coding	
ENSG00000274931.1	1.5841432	-0.0271385	8.47E-21	2.16E-19	0.52	0.81	0.03	0	AC020629.3	--	dhv2	lncRNA	
ENSG00000278777.1	-3.1030297	-1.661445	8.20E-06	4.05E-05	0.11	0.11	0	0.03	AC00403.4	--	dhv13	lncRNA	
ENSG00000197568.9	1.767963	929001695	1.46E-09	1.25E-08	198.11	147.42	68.55	68.86	RPL37A	ribosomal protein L37a	dhv2	protein_coding	
ENSG000001308118	13539357	377767331	6.04E-06	3.09E-05	1.29	1.33	0.66	5.61	TRC101	T-cell protein 1	dhv2	protein_coding	
ENSG00000257913.2	126467402	156577176	0.0004951	0.00057808	0.47	0.76	2.15	1.76	RPI1-386G1	--	dhv12	antisense	
ENSG0000015782.15	1.96243732	164222564	2.68E-06	1.45E-05	0.17	0.18	0.66	0.71	PANK1	panthothenate kinase 1	dhv10	protein_coding	
ENSG0000078237.5	163091831	242506461	2.90E-07	1.82E-06	0.66	0.84	2.42	379	CLIC5r5	--	dhv12	protein_coding	
ENSG00000267368.1	247831779	378152521	2.28E-15	3.77E-14	2.69	3.22	20.89	16.17	UPK3BL	uroplakin 3B-like	dhv7	protein_coding	
ENSG0000021955.9	-1.5201408	138675375	7.28E-07	3.96E-06	0.01	0.17	0.18	0.27	SLC22A8	solute carrier family 22, member 8	dhv13	protein_coding	
ENSG00000139921.11	222048982	228327386	1.48E-11	1.63E-10	0.42	0.26	1.24	0.32	TMC1	thionin-induced related transmembrane protein 1	dhv14	protein_coding	
ENSG0000014324.14	-2.145779	168202142	2.48E-10	2.33E-09	1.88	2.46	0.56	0.74	CPO	carboxypeptidase 0	dhv2	protein_coding	
ENSG00000176157.1	0.1761371	2.9671719	0.0014849	0.00075643	0.07	0.07	0.1	0	THNF311B	tumor necrosis factor receptor superfamily, member 11b	dhv10	protein_coding	
ENSG00000176122.1	-7.3004049	-15796114	1.11E-09	9.61E-09	0.31	0.15	0	0	RPI1-143E21	--	dhv12	lncRNA	
ENSG00000188946.5	1.6802374	-1.5819575	7.91E-07	6.07E-07	0.08	0.1	0	0	TOX	thyroxine selection-associated high mobility group box	dhv12	protein_coding	
ENSG00000240032.1	435006931	-3.05493	0.010495	0.0256242	0	0	0.36	0	RPI1-274H2	--	dhv12	antisense	
ENSG0000015954.10	11632383	26061027	1.80E-55	3.51E-53	4.11	3.76	0	0	FOXJ	pancreatic and duodenal homeobox 1	dhv13	protein_coding	
ENSG00000107954.10	1.8052809	272027309	7.80E-06	3.87E-05	0.54	0.55	1.79	11.73	ATP10D	ATPase, H ⁺ transporting, lysosomal 34kDa, V1 subunit D	dhv14	protein_coding	
ENSG00000153201.14	30362626	312545672	3.91E-20	9.50E-19	0.13	0.13	0.03	2	RNF168	ring finger protein 168, E3 ubiquitin protein ligase	dhv2	protein_coding	
ENSG0000016836.14	1.4043203	162931669	2.34E-06	6.18E-06	0.4	0.4	1.51	1.75	BTBD49	BTBD domain family, member 49	dhv2	protein_coding	
ENSG00000232628.4	5.5745548	-1.673241	0.0008564	0.00281128	0	0	0.2	0.28	RPI1-365O1	--	dhv12	sense_intronic	
ENSG0000015428.11	188411786	-1.863221	0.0138129	0.03443739	0.04	0.06	0.17	0.33	TRMT4	tripartite motif containing 74	dhv1	protein_coding	
ENSG0000015428.11	1.6007319	-2.9671719	0.0014849	0.00075643	0.07	0.07	0.1	1.75	PRKR	protein kinase, mitogen-activated double stranded RNA dependent inhibitor, repressor of (PSB repressor)	dhv11	protein_coding	
ENSG00000134849.9	352918945	-1.2512508	6.12E-07	3.65E-06	0.02	0	0.19	0.18	TMEM169	transmembrane protein 169	dhv2	protein_coding	
ENSG00000231198.3	-1.3159981	0.4023626	1.45E-13	1.98E-12	1.07	1.04	0.18	0.14	RNF224	ring finger protein 224	dhv9	protein_coding	
ENSG000001368115	1.613818	749486262	6.95E-08	2.07E-07	45.73	50.18	20.58	20.58	COP2	outer domain fiber of sperm tails 2	dhv2	protein_coding	
ENSG00000249693.2	37108418	-2.2323147	0.0002349	0.00087473	0.02	0	0.08	0.26	THEGL	the spermato protein	dhv2	protein_coding	
ENSG0000026694.11	1.1521542	1.4107303	1.33E-06	6.18E-05	0.4	0.4	0.64	0.14	THARP1D	THARP domain family, member 1	dhv16	protein_coding	
ENSG00000114628.16	1.6359223	57311231	2.65E-08	1.91E-07	31.05	26.7	1327	1155	ABTB1	ankyrin repeat and BTB (POZ) domain containing 1	dhv2	protein_coding	
ENSG00000139218.16	282013651	329625108	3.42E-18	7.14E-17	0.13	0.22	127	1.99	SCAF11	SR-related CTD-associated factor 11	dhv12	protein_coding	
ENSG0000019526.1	71887271	-2.1832862	0.0023419	0.00087473	0.02	0.04	1.43	2.85	SCN6A60	sodium nuclear RNA, H1AC box 60	dhv12	protein_coding	
ENSG00000257900.2	412389299	255155553	9.77E-29	4.22E-27	0.88	0.93	24.2	18.49	RPI1-454K7	--	dhv14	lncRNA	
ENSG00000204519.9	533514628	96792329	5.30E-25	1.84E-23	0	0.03	0.08	0.12	ZNF561	zinc finger protein 561	dhv19	protein_coding	
ENSG00000100662.8	2011177	32013931	0.0001489	0.00075643	106.06	106.06	33.2	33.05	SCN3B1	solute carrier family 3, subunit A, NHE3, cation proton antiporter 3, member 3 regulator 1	dhv19	protein_coding	
ENSG00000239002.3	216997933	-1.4723902	0.00061439	0.00211279	0.32	0.17	2.23	0.91	SCARN10	small Cajal body-specific RNA 10	dhv12	snoRNA	
ENSG00000125295.7	24068512	-1.7604879	0.0140682	0.0449832	0.05	0	0.13	0.27	LRR6C	leucine rich repeat containing 6	dhv10	protein_coding	
ENSG00000103441.14	24923818	24978056	9.33E-11	9.37E-10	2.46	0.42	0.42	0.42	CLC-like kinase	CLC-like kinase	dhv12	protein_coding	
ENSG0000008116.5	56343951	123950035	2.04E-28	6.66E-27	0.02	0.03	1.9	1.33	LYNS	Lim domain box 5	dhv12	protein_coding	
ENSG00000271127.1	1.1914851	-2.8969639	0.0108385	0.0148951	0	0	0	0	LYN2	LYN2	dhv12	sense_intronic	
ENSG0000015419.13	-5.822915	359094348	3.83E-52	5.96E-50	0.54	6.18	0.07	0.19	FAM167A	family with sequence similarity 167, member A	dhv2	protein_coding	
ENSG00000273046.1	1.73212547	-1.296187	0.0020274	0.0061882	0.12	0.06	0.62	0.2	RPI1-834CL	--	dhv12	processed_transcript	
ENSG0000026456.1	1.87179549	-1.6034558	0.0001919	0.0013541	0.03	0.03	0.03	0.12	RPI1-848P1	--	dhv12	sense_intronic	
ENSG0000017925.14	-5.243971	381654499	1.40E-45	1.49E-43	7.25	6.49	0.24	0.24	GHDG	GHD3 domain containing	dhv17	protein_coding	
ENSG00000135916.14	12143055	0.94848105	0.0007025	0.0023995	0.18	0.35	0.47	1.19	LRCL1	leucine rich repeat containing 1	dhv2	protein_coding	
ENSG00000240964.3	4.8946289	-0.059596	0.0188973	0.0451957	0	0	0.34	0.34	RN7SL75P1	RNA, 7SL, cytoplasmic 75L1 pseudogene	dhv2	misc_RNA	
ENSG0000017391.7	42801599	226542242	4.56E-33	2.45E-31	0.22	0.4	0.54	10.03	OLR1	oxidized low density lipoprotein (lectin-like) receptor 1	dhv12	protein_coding	
ENSG0000016474.5	10309691	132027035	9.33E-16	3.97E-14	0.34	0.34	0.29	2.18	CIB2	gap junction protein, beta 2, 280kDa	dhv2	protein_coding	
ENSG0000013138.18	53572699	0.69421728	2.04E-23	6.72E-22	0.01	0	0.02	0.48	TBC1D8B	TBC1 domain family, member 8B (with GRAM domain)	dhvX	protein_coding	
ENSG0000018438.13	-57.67282	-1.0573739	6.98E-12	7.96E-11	0.29	0.87	0	0	PRR16	proline rich 16	dhv2	protein_coding	
ENSG0000018606.12	13456646	42012904	6.98E-07	5.36E-06	4.91	11.39	0.28	21.8	CHMP5	charged multivesicular body protein 5	dhv2	protein_coding	
ENSG00000152944.7	123600818	0.88865173	0.0008488	0.0020123	0.48	0.42	0.73	2.1	MDM21	mediator complex subunit 21	dhv10	protein_coding	
ENSG00000253004.1	1.6130963	1.1907663	1.21E-06	7.96E-06	1.6	1.6	1.71	0.39	RPI1-166P1	--	dhv12	lncRNA	
ENSG0000014865.13	-1.4652778	13375793	1.21E-05	5.79E-05	0.68	0.56	0.25	0.34	C10orf11	chromosome 10 open reading frame 11	dhv10	protein_coding	
ENSG00000276368.1	1.9667032	-0.4083181	2.95E-05	0.00013143	0.41	0.73	4.72	1.34	HST1D2A1	histone d2, H2a	dhv6	protein_coding	
ENSG00000196467.12	-1.6309143	117658389	2.34E-16	1.86E-18	138.23	322.65	184.92	3.65	TRK4	transforming growth factor receptor type 4	dhv13	protein_coding	
ENSG0000068129.1	1.2668057	17733029	0.00010635	0.00042567	3	2.63	3.7	10.78	RPI1-91G21	--	dhv3	lncRNA	
ENSG00000197608.10	17886733	0.98659696	2.95E-07	1.85E-06	0.06	0.27	0.61	0.99	ZNF491	zinc finger protein 491	dhv19	protein_coding	
ENSG0000014640.9	1.2238535	5.883271	9.33E-16	3.97E-14	0.34	0.34	0.29	4.63	MYT1C1	myotubularin 1C	dhv19	protein_coding	
ENSG00000160679.11	-1.2045047	711872565	2.99E-05	0.00013272	36.73	38.09	22.16	21.06	CHTOP	chromatin target of PRMT1	dhv10	protein_coding	
ENSG00000153714.5	-44779027	31536971	4.02E-35	2.37E-33	7.52	8.22	0.31	0.65	LRRAPL1	leucine rich adaptor protein 1-like	dhv10	protein_coding	
ENSG0000010348.11	1.0520159	23884665	1.05E-06	6.02E-06	0.2	0.2	0.2	0.2	PROM11	PR domain containing 11	dhv10	protein	

ENSG00000261488.1	222313099	-21788768	0.02071392	0.04894969	0.03	0.01	0.4	0.27	RP11-75731--	chr3	antisense
ENSG0000023051.4	234232143	-1143754	0.0712	0.0712	0.1	0.05	1.67	0.15	CTB-89122--	chr3	antisense
ENSG00000249810.5	-31422986	49871032	1.42E-23	4.5E-22	11.71	11.49	1.64	1.87	ANXA8	chr10	protein_coding
ENSG00000173013.5	13807499	21221595	1.56E-05	7.32E-05	0.9	0.94	3	3.36	CDC36	chr3	protein_coding
ENSG00000161140.1	47172883	31445547	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.12	RP11-20231.3	chr16	antisense
ENSG00000118849.8	13025029	0.43116358	0.00055696	0.00132776	0.35	0.22	0.96	0.09	BARRF5	chr4	protein_coding
ENSG00000093076.7	2205004	10740898	2.48E-09	2.06E-08	0.06	0.06	0.07	0.45	BAK3	chr12	protein_coding
ENSG0000023537.1	31391971	-2.945251	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.12	RP11-30517	chr4	antisense
ENSG00000145945.5	-13543008	472093308	3.83E-06	2.01E-05	16.29	15.45	8.32	8.22	FAM50B	chr6	protein_coding
ENSG0000013886.12	61403001	-2.097315	5.19E-06	2.66E-05	0.07	0.01	0.01	0.11	ZFP37	chr9	protein_coding
ENSG0000015494.12	4913702	173414	1.09E-12	1.09E-12	0.26	0.36	1.39	2.44	USP12	chr15	protein_coding
ENSG0000011758.12	-2730681	70046512	1.93E-19	4.4E-18	116.68	146.44	27.52	25.17	DNB1	chr15	protein_coding
ENSG0000027046.3	-5102555	3126772	0.010155	0.038242	0.0	0.39	1.6	0.11	RP11-701H2	chr15	antisense
ENSG00000104626.13	10381141	14044017	0.0015646	0.00374885	0.24	0.29	0.62	0.88	ERI1	chr10	protein_coding
ENSG00000171224.8	134989304	305342062	9.48E-06	4.62E-05	4.22	2.79	12.27	11.61	CDJ05	chr10	protein_coding
ENSG00000151715.6	-49713807	5105533	7.25E-15	1.4E-13	0.38	0.46	0.04	0	TMEM45B	chr11	protein_coding
ENSG0000013174.13	15131330	207690459	2.53E-06	1.37E-05	0.22	0.17	0.65	0.82	TBC1D5	chr11	protein_coding
ENSG0000004700.14	37256106	22601462	4.64E-24	1.50E-22	0.19	0.08	1.35	3.55	RECOL	chr12	protein_coding
ENSG0000019760.11	32643989	15554587	7.44E-18	1.51E-16	0.04	0.08	0.49	1.08	FAR1	chr11	protein_coding
ENSG00000210708.15	-74299106	11011478	4.95E-47	4.95E-44	1148.04	1164.16	9.24	8.61	TGFB1	chr9	protein_coding
ENSG00000676351.11	16559549	64078281	1.52E-08	1.14E-07	5.17	5.2	21.94	21.61	SCF6A1	chr17	protein_coding
ENSG00000106992.12	21476449	0.2311319	0.0013639	0.00511942	0.05	0.09	0.13	0.31	IKTN	chr16	protein_coding
ENSG00000164338.8	100146034	237410537	0.0009371	0.00205136	0.3	0.75	1.06	1.88	UTP15	chr15	protein_coding
ENSG000006769.18	-1.047826	10533397	0.0025874	0.00595857	397.25	371.67	251.94	243.49	ADRA	chr17	protein_coding
ENSG0000077996.1	21759443	0.97521	0.0011292	0.0034496	0.01	0.13	0.39	0.45	HDOC1-T1	chr17	protein_coding
ENSG00000250697.1	-57776308	-2.709582	0.0004761	0.00167191	0.43	0.09	0	0	CTD-2066L2--	chr5	incRNA
ENSG00000170471.13	12251484	42038457	2.23E-05	0.00014476	0.95	1.1	2.99	3.41	SALGAPB	chr20	protein_coding
ENSG0000008294.19	2004346	38091974	2.38E-11	2.55E-10	0.38	0.63	2.15	3.42	SPAG9	chr17	protein_coding
ENSG00000170870.10	33478931	-2.465382	0.0019023	0.00584723	0.02	0	0.25	0.05	STAP2	chr19	protein_coding
ENSG00000130768.13	13823123	0.1637013	2.67E-12	3.0E-11	0.06	0.07	1.5	0.19	SMAP3L3B	chr19	protein_coding
ENSG0000010202.6	-1.232363	92767036	1.86E-05	8.58E-05	596.75	608.85	343.34	339.69	FBL	chr19	protein_coding
ENSG00000278963.1	56828014	-2.656968	0.0004761	0.00167191	0	0	0.09	0.11	RP11-29422--	chr17	TEC
ENSG00000275988.1	28613285	-0.851404	0.015339	0.01762363	0.21	0.05	1.87	1.43	RP11-518M1	chr17	antisense
ENSG00000259884.1	477203895	-3.141721	0.0188873	0.04519557	0.028	0.08	0.04	0.04	RP11-1100L--	chr12	incRNA
ENSG00000114210.10	26996759	1398393	6.51E-11	4.20E-13	0.07	0.08	0.48	0.56	CTD-2066L2--	chr3	protein_coding
ENSG00000167147.16	11502008	71938471	6.38E-05	0.00029197	54.33	50.69	32.27	30.67	RNF220	chr3	protein_coding
ENSG00000114439.17	31652031	2.99333084	5.68E-21	1.47E-19	0.04	0.02	1.07	2	BXB	chr3	protein_coding
ENSG0000014448.7	12643636	1398393	6.51E-11	4.20E-13	0.07	0.08	0.48	0.56	GATA binding protein 7	chr18	protein_coding
ENSG00000179403.11	-4.053051	-1.6931074	1.57E-07	1.02E-06	0.11	0.06	0.01	0.01	WVAL	chr1	protein_coding
ENSG00000185650.9	-13948482	57725406	1.65E-06	9.21E-06	11.94	13.99	6.25	6.89	ZFP36L1	chr14	protein_coding
ENSG00000184730.9	13647958	1398393	6.51E-11	4.20E-13	0.07	0.08	0.48	0.56	APOR8	chr14	protein_coding
ENSG00000218336.6	109265577	1.602084	0.0008556	0.0029427	0.07	0.21	0.29	0.51	TENM3	chr14	protein_coding
ENSG00000105022.7	130430567	31719544	1.73E-05	8.02E-05	1.21	0.95	1.21	0.95	GNPNAT1	chr14	protein_coding
ENSG0000024028.4	13647958	1398393	6.51E-11	4.20E-13	0.07	0.08	0.48	0.56	KLHL3	chr14	protein_coding
ENSG0000016713.14	29348999	-0.763513	0.0004178	0.0014836	0.01	0	0.04	0.08	LARI	chr1	protein_coding
ENSG00000141384.10	21077884	0.0696104	2.18E-07	1.39E-06	0.1	0.08	0.21	0.73	IFAP4	chr18	protein_coding
ENSG0000014994.10	33602259	3.4440216	2.44E-25	4.45E-23	0.19	0.14	0.24	0.22	IFAP4	chr18	protein_coding
ENSG0000023527.6	-1.5073071	0.87466208	1.88E-05	8.68E-05	4.04	3.82	1.69	1.98	RP11-14N7--	chr1	incRNA
ENSG00000138163.14	11731025	1.545046	1.54E-06	1.54E-06	0.4	0.16	0.16	0.15	TMN1	chr12	protein_coding
ENSG00000187815.6	-14209518	6.6223338	1.01E-06	5.79E-06	36.26	36.89	17.78	18.66	CDJ02	chr10	protein_coding
ENSG00000086915.5	15250291	373832128	4.21E-07	2.58E-06	2.31	1.61	5.68	9.41	CPOX	chr13	protein_coding
ENSG0000045390.10	253640933	-0.026398	1.82E-08	1.94E-07	0.06	0.09	0.14	0.29	USP35	chr4	protein_coding
ENSG0000013077.18	282391309	0.3626286	2.88E-11	3.07E-10	0.03	0.08	0.3	0.79	ZNF675	chr19	protein_coding
ENSG00000131409.11	73278347	-1.382107	4.49E-10	4.11E-09	0	0	0.24	0.18	LRRCC4B	chr19	protein_coding
ENSG00000155902.15	10864981	6.503296	0.0004761	0.00167191	0.43	0.09	0	0	LRLS1	chr19	protein_coding
ENSG00000197457.8	-3.551023	5.94066524	4.49E-29	1.99E-27	38.77	35.97	4	4.1	STMN3	chr20	protein_coding
ENSG0000017575.11	-1.563053	4.8632975	1.08E-07	7.22E-07	6.29	5.85	2.98	2.91	PANAT1	chr11	protein_coding
ENSG0000016168.6	11781838	1.0734236	6.94E-05	0.0023862	0.2	0.07	0.05	0.08	TMEM184C	chr11	protein_coding
ENSG00000175445.13	-12.08065	3.9024346	1.09E-61	2.96E-59	3.29	3.6	1	0	LPL	chr1	protein_coding
ENSG0000007532.13	117174326	6.0008007	1.17E-05	0.0008007	0.4	0.04	0.16	16.13	SAR1A	chr10	protein_coding
ENSG0000017928.12	14543793	2.19857601	5.46E-06	2.78E-05	0.44	0.62	1.69	2.19	VPB28	chr17	protein_coding
ENSG00000136384.13	20351794	-0.7212399	7.18E-05	0.00029725	0.12	0.09	0.46	0.73	SFR1	chr10	protein_coding
ENSG0000025187.2	18642521	0.1454E-09	5.10E-10	1.45E-09	1.42	1.57	0.58	5.61	HCKA10	chr17	protein_coding
ENSG00000120519.13	17055487	-0.495909	0.017088	0.0451326	0.06	0.04	0.12	0.17	SLC12AT2	chr10	protein_coding
ENSG00000197142.9	45898491	5.45687342	6.03E-42	5.02E-40	0.67	0.78	22.18	24.59	ACSL5	chr10	protein_coding
ENSG0000027364.11	18642521	0.1454E-09	5.10E-10	1.45E-09	1.42	1.57	0.58	5.61	HCKA10	chr17	protein_coding
ENSG00000134986.12	-1.1619332	3.2905451	1.01E-07	6.80E-07	2.42	2.42	1.03	1.07	NREP	chr15	protein_coding
ENSG0000017554.15	28524402	-1.181837	7.05E-06	3.52E-05	0.02	0	0.11	0.13	CHRNA7	chr15	protein_coding
ENSG00000186422.11	46867829	1.9305429	4.25E-10	3.50E-09	4.54	2.3	0.75	1.66	FAM174B	chr15	protein_coding
ENSG00000255120.14	89264824	-0.002793	2.38E-20	5.90E-19	0	0	2.95	2.7	OVOL1	chr11	antisense
ENSG0000012688.16	-3.9731596	2.7047946	3.46E-29	1.55E-27	0.27	0.29	0.07	0.27	GRX4	chrX	protein_coding
ENSG00000137760.17	18102253	0.6039869	2.88E-05	5.72E-07	0.11	0.05	0.06	0.17	AKG8B	chrX	protein_coding
ENSG00000109811.9	-5.022479	-3.129504	0.010045	0.0288742	0.06	0.08	0	0	ANKA10	chrX	protein_coding
ENSG00000186108.3	-0.238742	1.008	2.26E-17	2.26E-17	0.05	0.05	0	0	CHST3	chrX	protein_coding
ENSG00000113719.14	-2.5579636	8.75223407	1.79E-17	3.53E-16	88.96	86.02	19.71	19.89	ERGIC1	chrX	protein_coding
ENSG00000269556.6	-10779888	4.53917238	0.0022197	0.00383259	7.91	8.46	5.16	5.17	TMEM15A	chrX	protein_coding
ENSG00000256668.13	13295929	0.0328623	1.32E-06	1.32E-06	9.36	9.36	0.19	0.19	ATPase, Ca++ transporting, plasma membrane 4	chrX	protein_coding
ENSG00000163286.6	38733794	-0.6256678	1.54E-10	1.51E-09	0.01	0.03	0.45	0.46	ALPL2	chr2	protein_coding
ENSG00000256984.1	-4.80998	-3.212042	0.0088873	0.04519557	0.19	0.2	0	0	RP11-698A5--	chr18	incRNA
ENSG0000021151.5	85957449	0.328927	6.51E-07	7.22E-05	1.49	1.49	0.18	1.49	HAK1B	chr1	protein_coding
ENSG00000264112.1	214278237	0.08913705	5.07E-07	3.06E-06	0.03	0.09	0.4	0.33	RP11-159D1--	chr17	incRNA
ENSG00000254726.7	-1.757133	3.9524201	5.67E-09	4.51E-08	2.66	3.24	1.13	1.19	MEK3A	chr1	protein_coding
ENSG0000016130.13	11781838	1.0734236	6.94E-05	4.70E-07	0.17	0.17	0.05	0.14	KBP1	chr12	protein_coding
ENSG00000150995.16	140175622	352904146	3.18E-06	1.69E-05	0.52	0.48	1.55	1.96	TPR1	chr1	protein_coding
ENSG00000232874.1	-4.72703895	-3.141721	0.0188873	0.04519557	0.028	0.08	0.04	0.04	RP11-135A1	chr1	antisense
ENSG00000077935.15	5.0421559	1.6210453	6.64E-29	2.90E-27	0.03	0.04	1.02	1.9	SMC1B	chr22	protein_coding
ENSG00000270308.1	-8.1849555	-0.833495	5.76E-15	9.17E-14	0.37	0.26	0	0	RP11-5466B--	chr15	protein_coding
ENSG00000186017.13	19311683	-0.386936	3.92E-06	0.07E-07	0.18	0.18	0.08	0.25	ZNF665	chr15	protein_coding
ENSG00000233941.87	313606823	-2.3941487	0.00552196	0.01522223	0.01	0					

ENSG0000017887.12	1.49244567	1.95636007	4.36E-06	2.27E-05	0.3	0.2	0.69	1.18	ZNF791	zinc finger protein 791	chr19	protein_coding
ENSG0000020468.11	1.8107313	1.01111145	0.0005981	0.01111145	73.1	72.0	0.13	43.51	PRKCA2A	praline-rich coiled-coil factor 2A	chr19	protein_coding
ENSG0000014321.17	-1.1790575	1.11423728	4.13E-05	0.00017993	856.47	963.97	542.67	527.37	HGF	hepatoma-derived growth factor	chr1	protein_coding
ENSG00000278206.1	-2.9415433	-2.7162106	0.0094389	0.02469931	0.08	0.05	0	0.03	RP1-20N2.8	--	chr6	processed_transcript
ENSG0000020426.11	1.63637161	1.35687231	0.000468	0.00097972	8.4	8.22	2.63	1.05	LY8C5C	lymphocyte antigen 6 complex, locus 5C	chr6	protein_coding
ENSG00000148429.13	1.18466761	1.60510111	0.00032351	0.00117129	0.1	0.12	0.31	0.36	USP9LN	USP-9 terminal like	chr10	protein_coding
ENSG00000214635.8	3.10636999	2.2545109	8.26E-19	1.81E-17	0.73	0.89	10.66	8	HIST1H2B	histone domain 1, H2b1	chr6	protein_coding
ENSG00000159444.8	1.1501031	1.08103179	2.29E-05	0.00010317	6.49	6.22	2.63	5.49	CENPAH	centromere protein 1, H2b1	chr6	protein_coding
ENSG00000163093.10	1.42947428	0.90856599	7.91E-05	0.0003261	0.19	0.23	0.88	0.63	BRSS	Bardet-Biedl syndrome 5	chr15	protein_coding
ENSG0000018720.13	-2.73774	5.9139994	9.58E-20	2.52E-18	8.42	9.62	1.83	1.67	THSD4	thrombospondin, type 1, domain containing 4	chr15	protein_coding
ENSG00000156417.9	1.55650194	1.3861394	0.00014832	0.00014832	8.42	9.62	1.83	1.68	USP5B	ubiquitin-protein ligase 5B	chr10	protein_coding
ENSG00000148516.20	1.6227945	0.63862803	1.93E-05	8.89E-05	0.06	0.12	0.51	0.59	ZEB1	zinc finger E-box binding homeobox 1	chr10	protein_coding
ENSG00000168564.5	3.10574023	1.77561214	1.84E-17	1.37E-15	0.1	0.26	1.47	2.69	CDKN2AP	CDKN2A interacting protein 5B	chr4	protein_coding
ENSG00000168874.11	2.06187145	5.04682698	6.05E-12	6.97E-11	4.21	4.24	24.74	22.24	ATC8B	atonal homolog 8 (Drosophila)	chr12	protein_coding
ENSG00000156128.4	-6.5310329	-2.3247802	1.55E-05	7.26E-05	0.51	0.03	0	0	UNC00944	long intergenic non-protein coding RNA 944	chr12	lncRNA
ENSG00000145014.16	1.84494795	4.7952556	5.39E-16	4.89E-05	9.72	11.45	3.6	4.24	TM6M44	transmembrane protein 44	chr3	protein_coding
ENSG0000021580.1	1.14419553	-0.5042789	0.01262798	0.03174808	0.57	0.94	2.13	2.32	RP11-539L1.1	--	chr4	lncRNA
ENSG00000074266.16	1.25341754	4.75104777	1.85E-05	8.54E-05	3.11	3.97	10.38	12.14	EDD	embryonic ectoderm development	chr11	protein_coding
ENSG00000173384.1	5.01588682	-2.9717446	0.010045	0.02502742	2.0	2.0	0.11	0.34	RP11-255E6	--	chr12	antense
ENSG000002024729.5	-1.1791764	-0.4293097	0.0088017	0.02151958	0.32	0.26	0.2	0.14	PCOLCE-AS1	PCOLCE antisense RNA 1	chr7	antisense
ENSG00000156205.1	1.5655094	-1.2737091	0.0035289	0.02229301	0.02	0.03	0.06	0.1	UNC00950	long intergenic non-protein coding RNA 950	chr9	lncRNA
ENSG0000013869.9	-3.3697632	-1.761733	1.91E-05	8.90E-05	0.04	0.09	0.02	0	BMPL1B	bone morphogenetic protein receptor, type 1B	chr9	protein_coding
ENSG00000178381.10	-1.5264116	4.54919684	9.24E-07	1.53E-06	25.09	24.49	10.9	12.05	ZFAND2A	zinc finger, AN1-type domain 2A	chr7	protein_coding
ENSG0000016157.5	4.6238725	2.7455565	2.42E-07	5.9E-32	0.3	0.28	10.28	11.57	PKOX	glutathione peroxidase 7	chr7	protein_coding
ENSG00000164793.5	1.2407001	5.2065134	2.02E-05	9.98E-05	24.86	24.09	14.12	13.47	TCFQ1	forkhead box Q1	chr7	protein_coding
ENSG00000164736.5	-7.667969	0.6253468	6.99E-32	3.51E-30	1.44	0.99	0	0.01	SOX17	SRY (sex determining region Y)-box 17	chr7	protein_coding
ENSG00000237931.1	2.02812474	1.3523622	0.0059512	0.0016894	0.1	0.19	0.35	0.21	AC0203017	--	chr16	antisense
ENSG0000029546.1	2.23706831	-1.4200231	0.00043455	0.00135757	0	0.25	0.98	0.6	RP11-351ME	--	chr15	antisense
ENSG00000141446.9	2.98784906	59777642	8.12E-14	1.15E-12	0.08	0.06	0.54	0.97	ESCO1	establishment of sister chromatid cohesion N-acetyltransferase 1	chr18	protein_coding
ENSG00000246932.4	1.12326844	-1.1737619	0.0001987	0.00020024	0.21	0.17	0	0.39	RP11-319J56	--	chr19	protein_coding
ENSG00000176222.8	4.87917439	-0.3678699	0.0188973	0.04519557	0	0	0	0.12	ZNF404	zinc finger protein 404	chr19	protein_coding
ENSG00000120594.15	-1.5134293	2.80533961	9.27E-07	5.36E-06	0.59	0.75	0.34	0.29	PLOC22	pleckstrin domain containing 22	chr10	protein_coding
ENSG0000011524.6	1.336617	-2.0917631	0.003518	0.04824273	0.22	0.63	0.09	0.11	AKAP3	A kinase (PKA) anchor protein 3	chr10	protein_coding
ENSG00000174564.11	-1.1583458	0.5788028	6.62E-05	0.00028422	18.68	18.21	11.3	10.71	L209B	interleukin 20 receptor beta	chr10	protein_coding
ENSG0000021567.6	5.49557229	9.926283	9.34E-05	1.30E-54	19.19	18.62	33.9	18.13	ATAT1A1	metastatic associated lung adenocarcinoma transcript 1 (non-protein coding)	chr11	lncRNA
ENSG00000113013.11	1.28074438	1.62340519	8.07E-06	4.00E-05	176.47	209.67	61.9	119.39	HSF9A	heat shock 70kDa protein 9 (mortalin)	chr10	protein_coding
ENSG00000180992.6	-1.1465748	5.96219042	7.42E-05	0.00030864	73.57	61.55	43.29	37.57	MRPL14	mitochondrial ribosomal protein L14	chr6	protein_coding
ENSG00000228672.3	1.53702943	1.23553838	1.96E-07	2.8E-06	0.5	0.79	2.9	2.14	PCB21	proline-rich basic protein 1	chr16	protein_coding
ENSG0000027466.1	-1.4354891	2.37667379	4.63E-06	2.40E-05	7.89	8.21	35.9	4.34	RP11-548H3	--	chr12	antisense
ENSG00000128311.12	1.12647234	4.5589906	0.00013347	0.00052666	5.1	3.85	13.77	12.25	TT5	thiolate-sulfurtransferase (rhodanese)	chr22	protein_coding
ENSG00000204584.10	1.01047465	6.8802464	6.19E-06	0.0041921	49.76	50.2	3.5	3.27	C26H136	chromosome 6 open reading frame 136	chr4	protein_coding
ENSG00000084636.16	-3.9121385	4.0928201	7.82E-33	4.14E-31	7.28	7.53	0.68	0.63	COL16A1	collagen, type XVI, alpha 1	chr1	protein_coding
ENSG00000172124.2	7.2573882	-1.4533982	1.11E-09	9.61E-09	0	0	0	0.28	MAB21L1	matl-21-like 3 (C. elegans)	chr1	protein_coding
ENSG0000025284.2	-7.6864533	-2.2527193	0.0017488	0.00541913	0.16	0.07	0.27	0.04	RP11-282Q2	--	chr12	sense_intronic
ENSG00000107859.8	-3.6218558	-1.2530837	2.89E-08	2.08E-07	0.63	0.18	0.02	0.06	PTX3	cardiol-like homeodomain 3	chr10	protein_coding
ENSG00000235058.1	1.6495049	-1.8108604	0.01883218	0.04519557	0	0.31	0.75	0.54	RP1-17019.19	--	chr7	lncRNA
ENSG00000251778.3	1.04680446	-2.9786228	0.010045	0.02502742	0	0.08	0.91	0.08	RP11-351E42	--	chr17	sense_intronic
ENSG00000091966.14	-1.1579348	4.3391362	1.03E-07	6.88E-07	1.85	2.09	0.83	0.92	CCDC80	coiled-coil domain containing 80	chr3	protein_coding
ENSG00000164904.14	1.68054796	6.88054548	9.75E-09	6.18E-101	38.19	38.19	0.16	0.15	ADVT1A	aldehyde dehydrogenase 7 family, member A1	chr3	protein_coding
ENSG00000279369.1	4.7956781	1.23823308	1.95E-25	6.94E-24	0.13	0	2.93	2.11	CCDC11	coiled-coil domain containing 11	chr17	TEC
ENSG00000204767.3	-7.5043988	-1.4111571	7.65E-11	7.77E-10	0.11	0.26	0	0	FAM196B	family with sequence similarity 196, member B	chr5	protein_coding
ENSG00000181744.7	1.8153303	4.890429	3.24E-06	7.13E-06	0.6	0.07	0.27	0.86	C26H136	chromosome 6 open reading frame 136	chr4	protein_coding
ENSG00000126522.15	-1.3438993	6.62271172	3.54E-06	1.87E-05	54.25	44.48	26.62	25.21	ASL	arabinosuccinate carboxylase	chr7	protein_coding
ENSG00000215252.10	3.68318403	1.0956408	1.25E-18	2.71E-17	0.26	0.04	0.08	1.12	GOLGA8B	golgin A8 family, member 8	chr15	protein_coding
ENSG00000186510.10	1.01841295	1.0889819	9.78E-05	0.00039461	0.59	0.6	0.07	0.1	GLIC4A	glutathione S-transferase gamma 4A	chr1	protein_coding
ENSG00000102943.14	-5.0243296	-3.1290017	0.010045	0.02582742	0.01	0.06	0	0	MTMR8	myotubularin related protein 8	chr10	protein_coding
ENSG0000019177.13	-6.653994	-2.7615509	0.0006864	0.00028128	0.07	0.01	0	0	ELVOL2	ELVOL1 fatty acid elongase 2	chr6	protein_coding
ENSG0000011807.15	1.3218503	4.8945145	6.13E-06	3.13E-05	1.44	1.46	1.46	1.99	PRK4	protein kinase 4	chr6	protein_coding
ENSG00000134184.11	-12.466617	1.33891524	6.15E-67	2.14E-64	12.29	11.53	0	0	GSTM1	glutathione S-transferase mu 1	chr1	protein_coding
ENSG00000163516.12	-1.2599113	1.6976979	2.84E-06	6.10E-05	29.47	29.47	49.63	28.47	ACAD10	acyl-CoA oxidase 1 and zinc finger domain containing 1	chr1	protein_coding
ENSG00000204315.3	-1.351627	3.9362975	5.53E-06	2.73E-05	13.66	12.77	7.29	6.5	FKBP6	FK506 binding protein like	chr6	protein_coding
ENSG00000124664.9	5.98373061	-2.4097568	8.36E-05	0.00034052	0	0	0.22	0.06	SPDEF	SAM pointed domain containing ETS transcription factor	chr6	protein_coding
ENSG00000122319.12	1.820017	2.5349436	8.80E-06	0.00014052	0.21	0.94	0.16	0.63	DYRK4	DYRK4-specific tyrosine-(Y)-phosphatase regulated kinase 4	chr12	protein_coding
ENSG00000134442.12	1.44873215	2.2639141	5.45E-06	2.77E-05	0.26	0.39	1.01	1.33	KIAA1468	KIAA1468	chr18	protein_coding
ENSG00000196790.10	2.54037103	1.28119421	5.88E-12	6.80E-11	0.15	0.11	0.83	1.21	STRN3	stratin, calmodulin binding protein 3	chr14	protein_coding
ENSG00000224914.2	1.26124673	1.6224673	0.0017919	0.0006444	0.59	0.59	0.15	0.21	UNC00963	long intergenic non-protein coding RNA 963	chr14	lncRNA
ENSG00000274585.1	-0.8672359	0.00536284	0.0148851	0.0148851	0.81	0.99	0.49	0.49	RP11-22SH2	--	chr10	antisense
ENSG00000164059.9	-2.9786839	0.02727556	1.61E-10	1.56E-09	0.5	0.44	0.13	0.05	SPRY1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	chr10	protein_coding
ENSG00000205376.15	1.52154672	1.2942024	0.010045	0.02582742	0.01	0.06	0	0.18	PTHT2	putative homeodomain transcription factor 2	chr10	protein_coding
ENSG00000185967.7	3.09908944	1.04704283	7.76E-15	1.22E-13	0.48	0.31	5.34	3.75	HIST1H2B	histone domain 1, H2b1	chr6	protein_coding
ENSG00000269806.1	2.3428871	-1.470759	1.39E-05	6.54E-05	0.12	0.1	0.72	0.91	RP11-2401B1	--	chr17	antisense
ENSG00000102687.7	-1.8895956	6.9784828	9.75E-09	6.18E-101	38.19	38.19	0.16	0.15	ADVT1A	aldehyde dehydrogenase 7 family, member A1	chr3	protein_coding
ENSG00000268001.1	2.16994184	-1.4642573	0.0006862	0.00288921	0	0.09	0.21	0.3	CARD6-AS1	CARD6 antisense RNA 1	chr19	antisense
ENSG00000274157.7	1.15320925	2.8227105	0.0003776	0.00014052	0.22	0.73	0.16	1.15	APR4	apoptosis related, palmitoylated 5 (IMAGL/C55 subfamily member 5)	chr19	protein_coding
ENSG00000153914.14	2.85054818	1.23832603	1.66E-18	3.56E-17	0.17	0.24	1.27	2.72	SEK1	serine/threonine kinase 1 and zinc finger domain containing 1	chr1	protein_coding
ENSG00000135740.15	2.096014	2.61504321	6.15E-11	6.31E-10	0.62	0.37	2.69	2.97	SLC3A5	solute carrier family 3, subfamily A (NHE3, cation proton antiporter 5), member 5	chr16	protein_coding
ENSG0000012289.9	-2.6817989	1.9254673	7.78E-12	4.00E-11	45.28	45.28	1.04	0.19	CDNA5	CDP-nanase 45-dehydrolyase	chr16	protein_coding
ENSG00000251151.2	-6.0843633	2.94100195	8.39E-47	9.76E-45	12.22	12.38	0.32	0.16	HOXC-AS3	HOXC domain antisense RNA 3	chr12	crossed_transcript
ENSG0000027969.10	-2.2681003	2.9566398	8.20E-13	1.04E-11	5.61	6.67	2.13	2.17	SH2D2A	SH2 domain containing 2A	chr1	protein_coding
ENSG0000016767.3	1.892131	5.0174131	5.07E-14	1.46E-13	1.							

ENSG00000169371.12	-1.6421437	4.08573931	3.800E-08	2.68E-07	9.1	0	9.71	3.63	441	SNUPNP	snurportin 1	chr15	protein_coding
ENSG00000129344.7	-1.7180938	1.2785988	1.05E-08	1.81E-08	0	0	0	0	131	ATP7B	ATPase Na+/K+-transporting, beta 2 polypeptide	chr15	protein_coding
ENSG0000025932.3	5.6734729	-2.6109587	0.00047761	0.00167191	0	0	0	0.05	0.11	CTAGE4	CTAGE family, member 4	chr7	protein_coding
ENSG00000139333.8	2.06657184	1.19598472	7.52E-09	5.88E-08	0.06	0.07	0.38	0.4	0.06	DKGK	diacylglycerol kinase, epsilon 64kDa	chr17	protein_coding
ENSG0000023807.2	-2.4048916	0.00491297	1.36E-06	1.03E-07	0	0	0	0	0.08	RP11-536K7.1	...	chr17	antisense
ENSG00000157965.16	-1.1369005	1.51796218	9.05E-05	0.00036647	2.9	3.38	1.77	0.5	0.23	AGAP1	ArifGap with GTPase domain, ankyrin repeat and PH domain 1	chr17	protein_coding
ENSG00000134369.14	-4.436041	5.9118531	1.46E-10	1.10E-38	6.36	6.83	0.5	0.31	NAV1	navarin navigator 1	chr1	protein_coding	
ENSG00000166186.13	1.29745778	1.17E-10	1.10E-09	0.03	0.07	0.07	0.07	0.32	0.12	KAA1S958	KAA1S958	chr1	protein_coding
ENSG00000157426.12	1.5697504	0.30855066	7.67E-05	0.00031656	0.07	0.17	0.51	0.44	ASODH	aminooxidase-semialdehyde dehydrogenase	chr4	protein_coding	
ENSG00000188015.8	-6.5231538	5.499367	4.67E-06	1.55E-43	78.61	73.09	1.31	0.88	S100A3	S100 calcium binding protein 3	chr1	protein_coding	
ENSG0000017476.1	-0.0031198	0.00343861	0.00487979	0.00491197	0.19	0.12	0.04	0.54	RP11-147L1.1	...	chr17	protein_coding	
ENSG00000273341.1	4.87917439	-0.0078699	0.00089873	0.04195957	0	0	0	0	0	RPS-899B9.1	...	chr17	lncRNA
ENSG00000208035.14	1.2441494	0.7272337	3.13E-06	1.75E-05	0.05	0.26	0.65	0.89	ALG6	ALG6, alpha-1,3-phospho-transferase	chr1	protein_coding	
ENSG00000152193.7	1.6094913	1.5336651	2.24E-06	1.23E-05	0.26	0.38	0.9	1.69	RNF219	ring finger protein 219	chr13	protein_coding	
ENSG00000100767.14	-1.4523276	3.94866371	1.08E-06	6.18E-06	3.42	2.59	1.62	1.3	PAPLN	papilin, proteoglycan-like sulfated glycoprotein	chr14	protein_coding	
ENSG00000270419.1	1.75172234	0.5197396	4.18E-06	2.18E-05	0.93	0.22	3.5	1.73	CAHML	colicin adenocarcinoma hypermethylated iron-protein coding	chr6	lncRNA	
ENSG00000108671.13	-6.7729581	-2.0122722	3.73E-07	2.30E-06	0.06	0.25	0	0	SERPINE3	serpin peptidase inhibitor, clade B (ovalbumin), member 3	chr18	protein_coding	
ENSG00000210082.2	1.96191538	12.8009132	2.48E-11	2.66E-10	1250.18	1783.01	8719.44	6947.33	MT-RNR2	mitochondrially encoded 16S rRNA	chr18	lncRNA	
ENSG00000156802.2	-4.8292891	-1.7638928	3.95E-07	2.45E-06	0.12	0.09	0.01	0	0	0	...	chr18	protein_coding
ENSG00000139354.9	1.9931097	-1.5909308	0.00345484	0.01003143	0.05	0	0.89	0.19	GAS2L3	growth arrest-specific 2 like 3	chr12	protein_coding	
ENSG00000137168.13	-1.2153627	6.21421024	2.74E-05	0.0012274	13.89	14.27	8.92	7.21	KOPF4	forkhead box F4	chr12	protein_coding	
ENSG00000156802.2	-4.8292891	-1.7638928	3.95E-07	2.45E-06	0.12	0.09	0.01	0	0	0	...	chr15	antisense
ENSG00000131126.17	1.9731543	0.55816501	4.53E-07	2.76E-06	0.36	0.22	1.98	1.06	TEX101	testis expressed 101	chr19	protein_coding	
ENSG0000012802.8	-5.9645797	-0.7944111	2.81E-15	4.60E-14	0.3	0.16	0.01	0	0	SMO	smoothed, frizzled class receptor	chr7	protein_coding
ENSG00000166394.13	2.0253797	-2.562096	1.45E-10	1.37E-09	4.97	5.4	1.71	0.98	C12ORF2	cytochrome B5 reductase 2	chr1	protein_coding	
ENSG00000155758.11	-1.1549502	8.1897422	5.98E-05	0.00025171	116.25	105.61	61.03	72.06	ODC1	ornithine decarboxylase 1	chr2	protein_coding	
ENSG0000015941.18	3.1774214	-0.4784703	7.64E-11	7.77E-10	0.03	0	0.15	0.43	MDM2	regulator of microtubule dynamics 2	chr2	protein_coding	
ENSG00000133026.11	2.6546984	5.8474139	2.45E-18	5.19E-17	1.51	1.78	12.81	14.8	MYH10	myosin, heavy chain 10, non-muscle	chr17	protein_coding	
ENSG00000767549.4	-1.775735	-2.081061	0.02053181	0.0484221	0.16	0.02	0.03	0.04	AC006136.17	...	chr19	antisense	
ENSG00000130383.8	-1.8985101	1.0686112	2.11E-08	8.94E-07	1.06	1.36	0.33	0.38	GOT1	growth differentiation factor 1	chr19	protein_coding	
ENSG0000018536.13	-1.1134922	4.81678876	0.001322	0.00051953	14.37	11.25	8.2	7.58	MAPK11	mitogen-activated protein kinase 11	chr22	protein_coding	
ENSG0000076782.2	-2.7353283	-2.5717591	0.0191236	0.03011315	0.12	0.03	0.03	0	0	0	...	chr20	antisense
ENSG0000015996.6	1.0357914	3.9893918	0.0050205	0.001744703	4.22	4.16	2.71	3.38	TMEM485	transmembrane protein 69	chr19	protein_coding	
ENSG00000146484.12	1.63171395	0.34388791	2.97E-05	0.00013206	0.05	0.02	0.02	0.14	ZNF704	zinc finger protein 704	chr1	protein_coding	
ENSG00000172805.14	2.1733815	2.2638132	1.73E-11	1.13E-10	0.4	0.26	0.42	1.38	HAP1	huntingtin-associated protein 1	chr17	protein_coding	
ENSG0000014256.4	-1.5589993	7.9922202	9.07E-08	6.11E-07	38.4	39.8	19.9	181.77	PFND2	proteofin subunit 2	chr1	protein_coding	
ENSG00000141213.9	2.39165868	0.211281	8.86E-10	7.81E-09	0.1	0.09	0.41	0.92	ULFI	UFMI-specific ligase 1	chr6	protein_coding	
ENSG00000143431.18	0.64651017	0.00061017	0.00061017	0.00061017	0.06	0.38	0.69	0.53	UREC2W	uracil-conjugating enzyme E2W (putative)	chr6	protein_coding	
ENSG00000154832.11	5.7068129	-6.758978	0.0086564	0.0028128	0	0	0.03	0.05	SLC25A48	solute carrier family 25, member 48	chr11	protein_coding	
ENSG00000188407.10	-3.7887629	-2.5306308	0.001221	0.0036442	0.12	0	0.01	0	0	0	...	chr11	protein_coding
ENSG00000125511.6	1.3420993	2.64236169	8.01E-07	4.45E-06	0.1	0.05	0.14	0.01	CCND3-IT5	cyclin D3, intron 5	chr12	antisense	
ENSG00000107485.14	9.007271	2.45654538	5.73E-10	7.80E-48	0	0.01	3.36	4.15	GATA3	GATA binding factor 3	chr10	protein_coding	
ENSG00000213402.2	1.5670203	-0.867657	0.0027107	0.00661139	0.17	0.13	0.57	0.61	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated protein	chr11	protein_coding	
ENSG00000163421.7	4.5316131	-1.2655328	7.65E-11	7.77E-10	0.4	0.26	0.42	0.73	PRKAC2	protein kinase C, alpha 2	chr10	protein_coding	
ENSG00000235990.6	-2.942967	-1.2748499	7.05E-06	3.52E-05	0.19	0.1	0.05	0	GNAS-AS1	GNAS antisense RNA 1	chr20	antisense	
ENSG00000147496.5	5.53794007	0.86030432	1.41E-24	4.72E-23	0.01	0.01	0.05	0.94	SLC22A1	solute carrier family 21 (facilitated glucose transporter), member 10	chr20	protein_coding	
ENSG00000124700.3	2.12574568	-1.4851705	0.0008662	0.00288921	0.01	0.05	0.14	0.12	DNAC1	DNAC1 antisense RNA 1 (head to head)	chr1	protein_coding	
ENSG00000101306.9	2.52626	0.5459668	6.22E-10	5.58E-09	0.14	0.08	0.06	0.66	MYK2	myosin light chain kinase 2	chr20	protein_coding	
ENSG00000274102.2	2.2691012	-1.2116171	0.0001029	0.0014331	0.25	0.07	0.12	0.07	HSTH20B	histone cluster 2, H20B	chr1	protein_coding	
ENSG0000028789.1	-1.6444443	0.65881732	1.08E-10	5.9E-05	1.21	1.02	1.06	0.35	PAGR1	PAGP1 associated glutamate-rich protein	chr16	protein_coding	
ENSG0000027591.4	-4.713192	-1.841575	1.01E-06	5.80E-06	0.73	0.83	0.07	0	RP11-280J1.1	...	chr1	antisense	
ENSG0000025302.5	1.5429393	2.64236169	8.01E-07	4.45E-06	0.1	0.05	0.14	0.01	SNAC	sorting nexin 2	chr1	protein_coding	
ENSG00000137710.13	1.76520139	4.36194012	3.74E-09	3.05E-08	1.07	1.64	5.41	7.84	RDX	radixin	chr11	protein_coding	
ENSG00000169858.8	-2.2571974	-1.3180587	7.72E-05	0.00301861	0.39	0.49	0.06	0.17	CALML6	calmodulin-like 6	chr1	protein_coding	
ENSG0000028989.1	1.9407784	1.4451036	0.0016375	0.00571218	0.01	0.05	0.14	3.44	AL448012.1	...	chr1	antisense	
ENSG00000137393.9	1.55198089	-0.1757005	0.00025876	0.00059587	0.07	0.06	0.27	0.25	RNF144B	ring finger protein 144B	chr19	protein_coding	
ENSG00000125753.12	-1.0259932	6.32484089	0.0003118	0.0129866	154.08	147.81	106.92	90.51	VAPB	vaccinostat-1-stimulated phospholipase	chr19	protein_coding	
ENSG00000244719.5	1.4352029	1.4352029	1.03E-06	5.33E-05	0.01	0.05	0.14	0.12	CR2AL1-AS1	CR2AL1 antisense RNA 1	chr1	antisense	
ENSG0000027446.1	2.26245794	-2.5331601	0.01923175	0.0458365	0	0.15	0.58	0.44	CTB-39C8.2	...	chr17	lncRNA	
ENSG00000159478.1	1.9569862	1.3187015	0.0001029	0.0014331	0.25	0.07	0.12	0.07	RNF148	ring finger protein 148, RBB E3 ubiquitin protein ligase	chr1	protein_coding	
ENSG00000116285.11	-1.1056877	5.44443768	0.00012467	0.00052644	11.08	12.01	5.27	1.91	ERRF1	ERRB receptor feedback inhibitor 1	chr1	protein_coding	
ENSG00000166165.11	-1.3930342	8.221267	1.48E-06	8.31E-06	22.58	183.55	106.13	101.5	OKB	okadaic kinase, brain	chr14	protein_coding	
ENSG00000607338.4	1.924204	0.7687298	5.19E-07	4.45E-06	0.1	0.05	0.14	0.01	CTC1	catenin cell-line, spermatogenesis-associated 1	chr19	protein_coding	
ENSG00000175449.12	-1.5530261	-1.0053764	0.0016616	0.0051962	0.18	0.1	0.03	0.09	RFE5D	Rieske (Fe-S) domain containing	chr5	protein_coding	
ENSG0000018046.13	-6.6597623	1.15029169	1.36E-29	6.06E-28	1.11	1.14	0.05	0.01	STKL1	serine/threonine kinase 11	chr19	protein_coding	
ENSG00000181096.6	-2.08208	0.89201041	0.0001769	0.00046058	0.22	0.07	0.12	0.19	RP11-69E11	...	chr19	antisense	
ENSG00000185222.7	2.1806773	4.79292652	3.09E-05	0.00137039	9.35	15.26	29.52	46.98	WBP5	WW domain binding protein 5	chr1	protein_coding	
ENSG00000176334.1	5.8610649	-2.422601	6.38E-05	0.00304052	0	0	0.18	0.15	KL132433.1	...	chr2	antisense	
ENSG00000131801.1	1.0250423	-0.7782929	0.0011158	0.00480468	0.22	0.07	0.12	0.23	RP11-307C1.1	...	chr2	antisense	
ENSG00000186260.15	2.2275118	2.3230839	1.17E-11	1.31E-10	0.11	0.16	0.79	0.91	MMK2	MMK/myocardin-like 2	chr16	protein_coding	
ENSG00000180259.1	1.3640056	0.349306	1.33E-14	2.05E-13	0.02	0.02	0.2	0.02	CNTF2	cytokine 12	chr2	protein_coding	
ENSG0000013066.15	1.1959904	2.9887754	2.77E-08	2.00E-07	15.75	19.67	6.81	77.54	SP1	serum-inducible/perlemin N1-acetyltransferase 1	chr2	protein_coding	
ENSG0000054938.14	-3.3180827	-2.7845174	0.00943894	0.02469931	0.07	0.07	0.02	0	CHORDL2	chordin-like 2	chr11	protein_coding	
ENSG00000165282.12	1.5429393	2.64236169	8.01E-07	4.45E-06	0.1	0.05	0.14	0.01	PGC	phosphatidylinositol glycan anchor biosynthesis, class O	chr1	protein_coding	
ENSG00000129673.8	6.19483651	-2.260378	2.70E-05	0.00012094	0	0	0.15	0.13	ANAT1	aralkylamine N-acetyltransferase	chr17	protein_coding	
ENSG00000155111.13	1.5772844	1.48529333	3.30E-06	1.75E-05	0.2	0.14	0.62	0.75	CKD19	cyclin-dependent kinase 19	chr17	protein_coding	
ENSG0000015937.15	1.3157969	1.5465521	1.17E-16	1.6E-15	0.03	0.03	0.16	0.18	CNTN1	contactin 1	chr6	protein_coding	
ENSG00000180443.12	2.2680138	1.9934795	2.11E-11	2.27E-10	0.15	0.23	0.89	1.58	RPS5K81	ribosomal protein S6 kinase, 70kDa, polypeptide 1	chr17	protein_coding	
ENSG00000102871.14	1.6618016	4.6551228	2.15E-08	1.57E-07	4.2	3.69	16.96	16.3	TRADD	TNFRSF1A-associated via death domain	chr16	protein_coding	
ENSG00000166302.8	1.7056862	0.0031768	0.0013465	0.0013465	0.1	0.05	0.14	0					

ENSG00000269992.1	2.16090096	-0.1070556	1.50E-06	8.40E-06	0.5	0.11	1.59	209	DOCK9-AS2	DOCK9 antisense RNA 2 (head to head)	chr13	antisense
ENSG00000271181.1	2.9867793	-1.0564155	1.05E-05	1.05E-05	0	0	0	157	SHOXC1D	small nuclear RNA C/D box 14D	chr1	snoRNA
ENSG00000184178.14	-1.3578484	3.3653342	6.78E-06	3.40E-05	3.97	3.54	213	177	SCDF2	sect family domain containing 2	chr1	protein_coding
ENSG00000196922.12	-2.636377	7.94592025	2.44E-18	5.19E-17	155.96	152.92	3359	3256	PDLIM7	PDC and LIM domain 7 (enigma)	chr5	protein_coding
ENSG00000135636.13	1.6189071	0.8393344	8.29E-08	5.60E-07	0.09	0.19	7.7	119	7.7 Mar	measurine-associated ring finger (C3HC4) 7, E3 ubiquitin protein ligase	chr2	protein_coding
ENSG00000077232.15	1.03918286	2.8493321	0.00064935	0.0022439	0.18	0.18	0.29	0.7	DNAC10J	DnaH (Hsp40) homolog, subfamily C, member 10	chr2	protein_coding
ENSG00000110888.10	2.45987292	-1.2578639	7.72E-05	0.00031861	0.03	0.03	0.15	0.26	KOT1	nucleolar transport factor 2-like export factor 2	chrX	protein_coding
ENSG00000273045.4	4.93279224	-0.5394703	7.54E-13	9.57E-12	0.03	0	0.36	0.10	SCZC55	suppressor of cytokine signaling 5	chr2	protein_coding
ENSG00000198168.17	-6.6914892	-0.1167396	1.86E-21	1.03E-20	0.38	0.26	0.01	1.03	C20r15	chromosome 2 open reading frame 15	chr2	protein_coding
ENSG0000027144.1	1.97446496	-2.148021	8.30E-05	0.0004362	0.14	0.09	0.14	0.0	SWP	small VCP/3P1-interacting protein	chr19	protein_coding
ENSG0000027037.1	3.70150404	-0.7582994	5.21E-08	3.63E-07	0.06	0.13	1.05	1.24	AC005757.7	--	chr11	lncRNA
ENSG00000158944.14	1.74141	0.2051773	1.11E-05	1.36E-05	0.36	0.16	0.08	0.12	ELMO1	engulfment and cell motility 1	chr7	protein_coding
ENSG00000175066.14	2.70563334	1.83762138	1.95E-14	2.94E-13	0.08	0.07	0.54	0.78	GKS	glycerol kinase 5 (putative)	chr17	protein_coding
ENSG00000278053.3	2.75656975	2.68277077	1.12E-16	2.08E-15	0.14	0.28	1.43	2.31	DDX52	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	chr17	protein_coding
ENSG00000166908.16	1.23440877	4.95242021	2.35E-10	0.00103665	4.4	4.94	1474	1454	PRKACG	cholesterol 4-phosphate 4-kinase, type II, gamma	chr12	protein_coding
ENSG0000014755.16	-1.1667677	2.61578223	1.05E-55	2.11E-53	1.41	1.68	0	0	IKSF1	immunoglobulin superfamily, member 1	chr10	protein_coding
ENSG00000059282.8	-2.8378863	1.07013999	4.53E-14	6.55E-13	1.87	1.62	0.21	0.43	TSFAN15	tetraspanin 15	chr10	protein_coding
ENSG00000170495.15	-2.4137204	6.4294231	8.73E-16	1.49E-14	17.3	31.25	7.18	7.46	NPA52	neuronal PAS domain protein 2	chr2	protein_coding
ENSG00000260460.1	1.91686402	-1.3062033	0.00103764	0.00339765	0.03	0.09	0.4	0.22	RP11-28472.1	--	chr1	lncRNA
ENSG00000134013.14	-1.4093555	0.06452017	1.12E-06	6.59E-06	94.77	82.59	43.38	45.67	LXK12	lysyl oxidase-like-2	chr1	protein_coding
ENSG00000278972.1	1.6493589	-1.5944372	0.00031209	0.00109895	0.1	0.04	0.41	0.8	RP11-83820	--	chr2	TES
ENSG00000063660.7	-1.3251812	8.54367236	4.47E-06	2.32E-05	106.57	109.56	58.76	56.06	GPCI	glycopin 1	chr2	protein_coding
ENSG00000204175.5	5.4192981	0.74283061	4.05E-24	1.30E-22	0.05	0	1.99	1.37	GRNBP	G protein regulated inducer of neurite outgrowth 2	chr10	protein_coding
ENSG00000270768.1	-6.840389	-2.111198	1.05E-06	1.02E-06	0.71	0.35	0	0	RP11-51402	--	chr16	lncRNA
ENSG00000060602.12	-1.0951364	0.07956515	0.00016361	0.0002695	7.1	7.28	47.7	4.17	MAP3K14	mitogen-activated protein kinase kinase kinase 14	chr17	protein_coding
ENSG00000204010.13	-1.9996032	2.4626993	9.25E-10	4.07E-09	1.83	1.59	0.71	0.43	MSH5	mutL homolog 5	chr6	protein_coding
ENSG00000223296.2	-1.8535146	2.13109256	8.22E-09	6.38E-08	2.31	2.45	0.76	0.99	RP11-13408	--	chr1	lncRNA
ENSG00000255284.1	1.0288388	3.0880778	0.0005283	0.0022374	4.96	6.78	1491	17.02	ARPO6621.5	--	chr11	lncRNA
ENSG00000186314.10	1.6546114	1.6638398	5.30E-07	1.39E-06	0.77	0.89	0.34	5.33	PREL2D	PREL domain containing 2	chr1	protein_coding
ENSG00000177785.5	-4.806998	-3.2310842	0.0188973	0.0451957	0.09	0.1	0	0	RPS-1061H2	--	chr1	lncRNA
ENSG00000262160.1	2.2978513	0.9805934	1.28E-09	1.10E-08	0.12	0.27	1.92	1.2	RP11-96011	--	chr16	antisense
ENSG00000132965.8	-2.866617	-1.8552229	6.95E-05	0.0026029	0.05	0.49	1.05	0.04	ALDH5A4	arachidonate 5-epoxygenase-activating protein	chr17	protein_coding
ENSG00000102418.18	1.6701016	2.89751832	1.45E-08	1.09E-07	0.32	0.37	1.34	1.8	BRCA1	breast cancer 1, early onset	chr17	protein_coding
ENSG00000266340.1	1.2129504	3.3819676	1.45E-06	6.15E-05	6.85	7.68	26.28	7.7	RP11-34891	--	chr17	antisense
ENSG00000279267.1	1.53172013	-2.376992	0.0073705	0.01977594	0	0.03	0.05	0.17	RP11-39514.1	--	chr7	TES
ENSG00000178173.1	1.14873197	12.5701204	6.40E-05	0.00026805	3565.52	5402.28	141764	12204.9	MT-CO2	mitochondrially encoded cytochrome c oxidase II	chrM	protein_coding
ENSG00000166289.9	1.158	0.9	1.15E-09	1.15E-09	37.36	83.88	175.02	35.38	NTSC2	nucleolar protein domain containing 2	chr3	protein_coding
ENSG00000266236.1	2.17473114	-0.8451825	5.51E-05	0.00023313	0.1	0.26	0.87	1.31	NARF-IT1	NARF intron transcript 1	chr1	sense_intronic
ENSG0000013835.12	-6.2507323	0.00331666	4.63E-49	6.00E-47	5.7	5.75	0.11	0.08	GRTP1	growth hormone regulated TBC protein 1	chr13	protein_coding
ENSG0000013808.17	-0.4627860	-0.2133262	0.00010621	0.00042024	0.03	0.03	0.33	0.17	DYNLC2	dysferlin-2, light intermediate chain 1	chr17	protein_coding
ENSG00000165695.7	3.00105428	-0.653708	9.89E-08	6.64E-07	0.03	0.04	0.33	0.35	TMEM52B	transmembrane protein 52B	chr12	protein_coding
ENSG00000267750.4	3.28894056	0.0798892	7.26E-16	1.24E-14	0.02	0.08	0.71	0.71	RUNC52A	RUNC52A antisense RNA 1	chr17	antisense
ENSG00000129888.8	2.05530135	-0.0044629	9.69E-09	9.01E-09	1.81	1.81	2.74	2.74	WRB	WW domain binding protein 4	chr1	protein_coding
ENSG00000138327.6	2.87437899	0.7406019	2.71E-12	3.24E-11	0.3	0.18	2.03	2.7	NKX2-8	NK2 homeobox 8	chr14	protein_coding
ENSG00000135255.17	1.49348474	3.6671946	6.75E-07	3.99E-06	0.74	1.23	34.7	3.91	MAP7	microtubule-associated protein 7	chr6	protein_coding
ENSG00000107854.5	2.49549137	-2.1450533	9.31E-18	1.20E-16	0.39	0.11	0.14	1.77	THN52	thymidine phosphorylase	chr17	protein_coding
ENSG00000255036.1	-1.695041	-0.821893	0.00063882	0.0021008	0.58	1.19	0.35	0.37	RPS-901A1	--	chr11	antisense
ENSG00000119313.14	-0.612288	0.00063882	0.00063882	0.00063882	0.58	1.19	0.35	0.37	FAH5B	family with sequence similarity 65, member B	chr6	protein_coding
ENSG00000258472.7	1.33947269	-0.769634	0.0052073	0.0145648	0.58	0.33	1.57	1.55	RP11-192H2	--	chr17	protein_coding
ENSG00000275023.3	-1.3334565	6.76957379	4.15E-06	2.17E-05	13.71	13.24	7.26	6.99	MLT6	myelin/lymphoid or mixed-lineage leukemia (thritothor homolog, Drosophila); translocated to, 6	chr17	protein_coding
ENSG0000010723.11	1.05244753	1.1861623	0.00010631	0.00174357	1.15	1.33	3.3	3.41	APB2	apoptosis-inducing factor 2, beta 2 subunit	chr1	protein_coding
ENSG00000186088.14	1.1163298	-0.0581661	0.00515988	0.01445684	0.13	0.11	0.28	0.44	GSAP	gamma-secretase activating protein	chr7	protein_coding
ENSG0000016062.13	2.21031293	0.07089174	1.53E-08	1.14E-07	0.02	0.1	0.37	0.38	ZBTB8A	zinc finger and BTB domain containing 8A	chr1	protein_coding
ENSG00000204432.10	0.91709107	-0.047867	0.0003461	0.0003461	0.6	0.6	0.6	0.43	HLA-G	major histocompatibility molecule, class I, G	chr1	protein_coding
ENSG00000162845.5	-2.5088014	1.65386249	3.24E-13	4.26E-12	1.67	1.82	0.27	0.54	UNC00662	long intergenic non-protein coding RNA 662	chr19	lncRNA
ENSG0000014498.14	2.16125998	1.49620681	7.64E-10	6.78E-09	0.01	0.49	0.01	0.09	RP11-85021	--	chr3	antisense
ENSG0000026668.2	4.4843127	-0.0603858	0.0088873	0.04518507	0.02	0.02	0.11	0.02	RP11-85021	--	chr3	protein_coding
ENSG00000270811.11	1.16101617	2.73907775	0.00020471	0.00071761	1.01	0.92	2.73	3.05	ARHD10	arabidopsis domain containing 10	chr3	protein_coding
ENSG00000205708.11	-2.5267108	0.00063882	0.00063882	0.00063882	0.58	1.19	0.35	0.37	TM6P	transmembrane protein 6	chr22	protein_coding
ENSG0000016418.12	4.09317207	0.87733154	9.78E-20	2.30E-18	0.04	0.03	0.41	1.22	ELOVL7	ELOVL fatty acid elongase 7	chr1	protein_coding
ENSG00000165812.12	-2.5056469	8.8817	6.81E-17	1.28E-15	133.81	123.7	30.37	30.06	NPPL1	inositol polyphosphate phosphatase-like 1	chr11	protein_coding
ENSG0000026530.17	2.79479523	0.00063882	0.00063882	0.00063882	0.58	1.19	0.35	0.37	TM6P	transmembrane protein 6	chr22	protein_coding
ENSG00000198951.9	4.0262491	-0.3387744	6.69E-13	8.54E-12	0.02	0.02	0.51	0.68	SCOC-AS1	SCOC antisense RNA 1	chr22	antisense
ENSG00000242096.11	1.1136148	1.7650573	0.00063882	0.0020931	0.04	0.05	0.14	0.12	L22NC03-8	--	chr22	antisense
ENSG0000019686.2	1.7694885	0.13303058	9.69E-09	9.01E-09	1.81	1.81	2.74	5.34	HIST1H2A.D	histone cluster 1, H2Ad	chr6	protein_coding
ENSG00000239764.4	5.37402558	-2.796784	0.0018008	0.0049521	0	0	0.5	0	RP11-347C1	--	chr1	sense_intronic
ENSG00000278493.1	2.02505507	-1.570682	0.0013462	0.0053947	0.21	0.11	1.13	0.69	CID-23825	--	chr15	sense_intronic
ENSG00000122884.11	1.9305721	2.6894807	1.18E-09	1.32E-08	0.09	0.08	0.8	1.65	PCAT1	lysophosphatidylglycerol acyltransferase 1	chr1	protein_coding
ENSG0000018697.9	2.12875884	-0.2726215	6.13E-06	3.10E-05	0.02	0.05	0.08	0.32	YOD1	YOD1 deubiquitinase	chr1	protein_coding
ENSG00000178917.13	1.0411646	0.31971962	0.071423	0.001084	0.37	0.26	0.62	1.1	ZNF852	zinc finger protein 852	chr1	protein_coding
ENSG0000016214.11	2.9479152	-1.6464979	1.22E-20	3.07E-19	0.98	2.45	0.63	9.27	ARHGAP1	arrestin-like 1	chr1	protein_coding
ENSG00000272940.1	2.40484614	-1.297247	0.00010901	0.00043503	0	0.38	1.29	1.4	CTA-380B.1	--	chr22	lncRNA
ENSG0000010162.11	1.7983262	3.2172972	9.69E-09	5.06E-08	1.53	1.53	2.73	2.84	APL2	alpha-fetoprotein transport 52	chr1	protein_coding
ENSG0000013604.10	1.30538726	2.63724078	2.45E-05	0.00010109	0.81	0.65	1.99	2.84	APL2	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2	chr12	protein_coding
ENSG0000018450.13	3.2589653	3.47247604	5.83E-23	1.73E-21	0.4	0.48	0.44	6.89	PRCS1	protein S (alpha)	chr1	protein_coding
ENSG0000014198.6	1.2812937	0.00063882	0.00063882	0.00063882	0.58	1.19	0.35	0.37	FAH5B	family with sequence similarity 65, member B	chr6	protein_coding
ENSG0000017812.9	2.60543408	-0.800620	1.47E-06	8.23E-06	0.03	0.01	0.25	0.14	COL8A2	collagen, type VIII, alpha 2	chr1	protein_coding
ENSG00000091844.6	-2.874072	-2.115349	0.0002626	0.0006399	0.04	0.03	0	0.01	RGST1	regulator of G protein signaling 17	chr6	protein_coding
ENSG0000016578.9	1.624413	0.00063882	0.00063882	0.00063882	0.58	1.19	0.35	0.37	BAC2	BC12-associated ribonuclease 2	chr1	protein_coding
ENSG00000177692.10	5.65942674	-2.6188299	0.0008564	0.00281128	0	0	0.01	0.14	DNAC128			

ENSG00000158159 13277524 -0.694467 0.007404 0.0188438 0.01 0.04 0.03 0.12 TTC398 tetraatricopeptide repeat domain 398 chr9 chr6 protein coding
ENSG00000158978 138823478 1.601354 0.000000 0.000000 0.00 0.00 0.00 0.00 ZNF597 zinc finger with UFM1-specific peptidase domain chr9 chr6 protein coding
ENSG00000249731 2.26965688 -1.401502 0.0030738 0.0011156 0.29 0 1.03 -- 0.92 RP11-290C2 -- chr9 chr6 protein coding
ENSG00000116789 -1.950743 6.9565508 9.62E-11 9.65E-10 140.11 102.05 45.94 40.18 C12orf57 chromosome 12 open reading frame 57 chr12 chr2 protein coding
ENSG00000181151 0.00254492 0.000000 0.000000 0.000000 0.11 0.00 0.00 0.11 NPFT1 NPFT1 chr12 chr2 protein coding
ENSG00000164066 2.19555074 1.2312383 2.52E-06 1.38E-05 0.02 0.01 0.09 0.11 NTU intrumen planar cell polarity protein chr9 chr6 protein coding
ENSG00000183474 1.20239342 0.37354 0.0073632 0.0033979 0.08 0.28 0.5 0.58 GTP2HC GTP2H family member C chr9 chr6 protein coding
ENSG00000157801 1.1239816 7.68981 6.01E-12 6.93E-11 0.11 0.00 0.00 0.11 MEGF11 multiple EGF-like domains 11 chr9 chr6 protein coding
ENSG00000089314 1.39101035 4.5467081 2.38E-06 1.29E-05 1.9 1.86 4.68 8.57 LAMP2 lysosomal-associated membrane protein 2 chr9 chr6 protein coding
ENSG00000251642 1.59466635 1.27710012 4.15E-06 2.13E-05 0.02 0.34 0 1.44 CNEP1R1 CTD nucleotide envelope phosphatase 1 regulatory subunit 1 chr16 chr6 protein coding
ENSG00000115418 1.27710012 2.7589765 3.78E-14 3.78E-13 0.19 0.00 0.00 0.22 GLS glutamine chr9 chr6 protein coding
ENSG00000202076 -1.6802572 5.2599359 1.13E-08 8.61E-08 7.58 8.2 3.16 14 UNC00094 long intergenic non-protein coding RNA 94 chr9 chr6 antisense
ENSG00000122406 1.10749847 9.6797703 0.0031818 0.0008858 790.47 652.93 463.1 652.93 RPL5 ribosomal protein L5 chr9 chr6 protein coding
ENSG00000137251 1.3713987 3.6925022 4.60E-06 2.39E-05 1.22 1.57 4.53 5.08 RPK1 receptor (NFRF5)-interacting serine-threonine kinase 1 chr9 chr6 protein coding
ENSG00000298964 -1.4276022 1.8469975 1.05E-05 5.10E-05 4.13 4.74 1.95 243 UBE2F-SCLY UBE2F-SCLY readthrough (NMD candidate) chr9 chr6 protein coding
ENSG00000257081 1.13963053 -0.2625081 0.0084451 0.0024049 0.14 0.03 0.62 0.69 RP11-830A3 chr9 chr11 antisense
ENSG00000283011 -1.583424 2.632935 0.00327 0.00945156 0.1 0.22 0 0.03 RP11-32619 chr9 chr4 protein coding
ENSG00000166692 2.77910848 0.0623533 9.12E-10 8.02E-09 0.06 0.04 0.18 0.18 KTFP2 activating transcription factor 7 interacting protein 2 chr16 chr6 protein coding
ENSG00000257152 7.8448191 -1.482728 2.68E-09 2.31E-08 0 0 0.38 1.16 RP11-285S9 chr17 chr6 protein coding
ENSG00000184524 -1.7038449 -1.8002674 1.87E-08 1.38E-07 0.24 0.24 0 0 CEND1 cell cycle exit and neuronal differentiation 1 chr11 chr6 protein coding
ENSG00000102825 1.5386016 0.8204748 0.001994 0.0075551 0.22 0.16 0.5 0.78 LNS1 ceroid-lipofusinoses, neuronal 5 chr13 chr6 protein coding
ENSG00000262978 2.0151897 1.19592524 1.89E-08 1.37E-07 0.09 0.09 0.37 0.59 GAP42C G patch domain containing 2 chr9 chr6 protein coding
ENSG00000097765 -1.0306637 4.6345597 0.0040306 0.00143405 8.15 8.23 5.27 542 EFN81 chr9 chr6 protein coding
ENSG00000067405 1.6665055 0.620521 1.81E-12 8.14E-12 0.71 0 0 0.03 RHEX44 Rho GTPase activating protein 44 chr9 chr6 protein coding
ENSG00000275564 1.51974851 2.9869879 0.0539165 0.0148951 0.01 0.00 0.00 0.09 C7orf2-ZTF61.1 chr9 chr6 protein coding
ENSG00000218739 1.2098717 2.6968114 8.76E-05 0.003551 0.85 0.73 2.19 2.71 CEP250 CEP250 opposite strand 6-phosphogluconolactonase chr9 chr6 protein coding
ENSG00000130315 -1.2261647 5.6127992 3.35E-05 4.99E-05 63.61 45.38 30.6 29.19 PGLS chr19 chr6 protein coding
ENSG00000282014 1.11370759 5.0641519 0.0012824 0.0005488 7.04 6.41 21.26 17.45 SMARCD3 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 chr9 chr6 protein coding
ENSG00000223652 1.34484043 -0.554212 0.0037991 0.0108967 0.24 0.31 0.88 0.96 AC106786.1 chr9 chr6 antisense
ENSG00000235168 1.13963053 0.0367675 5.08E-15 9.32E-14 0.01 0.00 0.00 0.32 ANKRD1 A kinase (PKA) anchor protein 11 chr9 chr13 protein coding
ENSG00000181315 2.11206372 0.8610803 1.91E-08 1.40E-07 0.16 0.04 0.38 0.81 ZNF322 zinc finger protein 322 chr9 chr13 protein coding
ENSG00000167654 4.2377973 1.3295265 5.64E-23 1.68E-21 0.02 0.28 6.37 5.86 UBE2L lymphocyte anionin 6 complex, locus D chr9 chr6 protein coding
ENSG00000185201 1.7931076 0.0326767 5.08E-15 9.32E-14 0.01 0.00 0.00 0.01 FBX222 chr9 chr6 protein coding
ENSG00000205748 -8.0387861 -0.9567973 3.62E-14 5.28E-13 0.17 0.4 0 0 0 DENND1C DENND1/MAAD domain containing 1C chr9 chr6 protein coding
ENSG00000264203 2.6121511 -2.2002001 0.001015 0.0035312 0.02 0.39 0.15 0.07 RP11-490C6 chr9 chr6 protein coding
ENSG00000162401 1.65776338 3.3399767 0.0001593 0.00042485 0.57 0.39 0.39 1.52 UBE2A ubiquitin specific peptidase 2A chr9 chr6 protein coding
ENSG00000174442 1.0 1.57976701 2.0349871 1.22E-06 6.90E-06 0.02 0.69 0.02 2.24 ZWILCH zinc knetochore protein chr15 chr6 protein coding
ENSG00000181790 1.45265177 -1.177375 1.65E-11 1.77E-10 0.41 0.00 0.00 0.11 BAI1 chr9 chr16 protein coding
ENSG00000280691 5.22761104 -2.8805399 0.0293522 0.00656312 0 0 0.12 0.02 CTD-2349P2 chr9 chr17 protein coding
ENSG00000298583 3.30266834 1.1570932 4.58E-05 0.0019809 0 0 0.03 0.08 TRIM6-TRIM TRIM6-TRIM3 readthrough chr9 chr17 protein coding
ENSG00000188925 3.1160711 1.83406 4.86E-06 3.32E-05 0.93 3.75 0.69 6.59 NCKX1 NaX adaptor (and transloc) release factor chr9 chr17 protein coding
ENSG00000113575 7.42159991 1.2975784 1.18E-10 1.17E-09 0 0 0.07 0.14 PCDH12 protocadherin 12 chr9 chr6 protein coding
ENSG00000164989 4.43397408 -1.2125842 6.30E-08 4.35E-07 0 0 0.06 0.09 CCLD171 coiled-coil domain containing 171 chr9 chr6 protein coding
ENSG00000125566 1.4 1.9213659 1.69778472 3.92E-07 4.98E-07 39.23 34.57 14.6 21.17 PKM3 phosphotransferase, muscle chr9 chr12 protein coding
ENSG00000150672 1.93544226 -1.6242536 0.0486779 0.01371541 0 0.01 0.02 0.06 DLG2 discs, large homologue 2 (Drosophila) chr11 chr6 protein coding
ENSG00000135249 -1.1061817 4.41592243 0.001683 0.0061635 19.67 14.16 10.18 10.81 HUPDPA dyslexia inducible lipid droplet-associated chr9 chr6 protein coding
ENSG00000144551 1.72681383 1.4225235 6.81E-04 5.21E-03 0.45 0.46 18.18 16.18 Drosophila homologue 1 chr9 chr6 protein coding
ENSG00000216908 2.53802485 1.31108644 5.59E-12 6.25E-11 0.37 0.14 0.18 2.75 DEPDC7 DEP domain containing 7 chr9 chr11 protein coding
ENSG00000105887 2.45347436 1.6821508 6.08E-07 3.32E-06 0.08 0.08 1.1 1.11 BAK1 BAK domain containing 1 chr9 chr14 protein coding
ENSG00000175055 3.98475994 -1.3026739 1.50E-12 1.86E-11 0.01 0.03 0.15 0.5 ZNF654 zinc finger protein 654 chr9 chr14 protein coding
ENSG00000179316 -3.5767996 4.1685046 5.68E-28 2.36E-26 10.71 11.24 10.7 1.38 FKX1 four jointed box 1 (Drosophila) chr11 chr6 protein coding
ENSG00000133818 1.1 1.9213659 1.69778472 3.92E-07 4.98E-07 39.23 34.57 14.6 21.17 PKM3 phosphotransferase, muscle chr9 chr12 protein coding
ENSG00000232653 4.44727833 -1.6872995 6.30E-07 3.74E-06 0.01 0 0.09 0.03 RGS5 regulator of G-protein signaling 5 chr9 chr15 protein coding
ENSG00000143248 1.28099126 2.1473829 0.0035424 0.0102709 0.01 0 0.03 0.03 RGS5 regulator of G-protein signaling 5 chr9 chr15 protein coding
ENSG0000019054 1.1757868 1.4663287 6.71E-13 8.96E-12 0.74 1.8 1.95 2.087 SPTLC1 small GTP-binding protein 1 chr9 chr17 protein coding
ENSG00000259481 4.8894645 -0.062281 0.0188873 0.04519557 0 0 0.02 0.67 RP11-1079K -- chr9 chr17 antisense
ENSG0000021584 1.54890786 -2.777825 0.0015808 0.0049521 0 0 0.63 0.11 RP11-853C4 -- chr9 chr17 protein coding
ENSG0000022434 1.8402337 2.6170183 1.89E-08 1.04E-07 1.13 1.18 0.35 5.25 AC009815 chr9 chr17 protein coding
ENSG00000217947 1.46949833 3.28925869 1.36E-06 7.64E-06 1.22 1.17 0.3 3.57 PTPN12 protein tyrosine phosphatase, non-receptor type 12 chr9 chr6 protein coding
ENSG00000184513 1.50627327 2.21108 0.000000 0.000000 0 0 0.03 0.03 SUT3 chr9 chr6 protein coding
ENSG00000169876 -1.5593799 4.2103673 8.74E-08 5.90E-07 12.18 16 6.75 56.5 AVEN apoptosis, caspase activation inhibitor chr9 chr15 protein coding
ENSG00000154663 1.4459304 2.6465524 1.90E-29 8.88E-28 1.25 1.42 0.11 0.09 S9FRS2 SH3 domain containing ring finger 2 chr9 chr6 protein coding
ENSG00000174945 1.2 1.9213659 1.69778472 3.92E-07 4.98E-07 39.23 34.57 14.6 21.17 PKM3 phosphotransferase, muscle chr9 chr12 protein coding
ENSG00000154273 1.3186964 -1.94335 0.0001092 0.00041007 0.02 0 0.13 0.14 C4orf19 chromosome 4 open reading frame 19 chr9 chr13 protein coding
ENSG00000138423 -1.046048 6.0244389 0.001283 0.0104967 9.48 10.66 55.1 7.53 CUL4A cullin 4A chr9 chr13 protein coding
ENSG00000166446 1.8013468 1.5003334 3.19E-08 1.41E-07 0.75 0.75 1.98 1.98 STS suppression of tumorigenesis 5 chr9 chr6 protein coding
ENSG00000154257 1.3028789 0.0270458 0.0082295 0.00276531 0.07 0.11 0.27 0.3 DCLRE1C DNA cross-link repair 1C chr9 chr6 protein coding
ENSG0000014491 1.7979722 1.13247618 1.29E-35 7.86E-34 0.65 0.83 0 0.01 SLC26A9 solute carrier family 26 (anion exchanger), member 9 chr9 chr6 protein coding
ENSG00000181516 1.50271958 1.19592524 1.89E-08 1.37E-07 0.09 0.09 0.37 0.59 GAP42C G patch domain containing 2 chr9 chr6 protein coding
ENSG00000157801 1.1239816 7.68981 6.01E-12 6.93E-11 0.11 0.00 0.00 0.11 MEGF11 multiple EGF-like domains 11 chr9 chr6 protein coding
ENSG00000183474 1.39101035 4.5467081 2.38E-06 1.29E-05 1.9 1.86 4.68 8.57 LAMP2 lysosomal-associated membrane protein 2 chr9 chr6 protein coding
ENSG00000251642 1.59466635 1.27710012 4.15E-06 2.13E-05 0.02 0.34 0 1.44 CNEP1R1 CTD nucleotide envelope phosphatase 1 regulatory subunit 1 chr16 chr6 protein coding
ENSG00000115418 1.27710012 2.7589765 3.78E-14 3.78E-13 0.19 0.00 0.00 0.22 GLS glutamine chr9 chr6 protein coding
ENSG00000202076 -1.6802572 5.2599359 1.13E-08 8.61E-08 7.58 8.2 3.16 14 UNC00094 long intergenic non-protein coding RNA 94 chr9 chr6 antisense
ENSG00000122406 1.10749847 9.6797703 0.0031818 0.0008858 790.47 652.93 463.1 652.93 RPL5 ribosomal protein L5 chr9 chr6 protein coding
ENSG00000137251 1.3713987 3.6925022 4.60E-06 2.39E-05 1.22 1.57 4.53 5.08 RPK1 receptor (NFRF5)-interacting serine-threonine kinase 1 chr9 chr6 protein coding
ENSG00000298964 -1.4276022 1.8469975 1.05E-05 5.10E-05 4.13 4.74 1.95 243 UBE2F-SCLY UBE2F-SCLY readthrough (NMD candidate) chr9 chr6 protein coding
ENSG00000257081 1.13963053 -0.2625081 0.0084451 0.0024049 0.14 0.03 0.62 0.69 RP11-830A3 chr9 chr11 antisense
ENSG00000283011 -1.583424 2.632935 0.00327 0.00945156 0.1 0.22 0 0.03 RP11-32619 chr9 chr4 protein coding
ENSG00000166692 2.77910848 0.0623533 9.12E-10 8.02E-09 0.06 0.04 0.18 0.18 KTFP2 activating transcription factor 7 interacting protein 2 chr16 chr6 protein coding
ENSG00000257152 7.8448191 -1.482728 2.68E-09 2.31E-08 0 0 0.38 1.16 RP11-285S9 chr17 chr6 protein coding
ENSG00000184524 -1.7038449 -1.8002674 1.87E-08 1.38E-07 0.24 0.24 0 0 CEND1 cell cycle exit and neuronal differentiation 1 chr11 chr6 protein coding
ENSG00000102825 1.5386016 0.8204748 0.001994 0.0075551 0.22 0.16 0.5 0.78 LNS1 ceroid-lipofusinoses, neuronal 5 chr13 chr6 protein coding
ENSG00000262978 2.0151897 1.19592524 1.89E-08 1.37E-07 0.09 0.09 0.37 0.59 GAP42C G patch domain containing 2 chr9 chr6 protein coding
ENSG00000097765 -1.0306637 4.6345597 0.0040306 0.00143405 8.15 8.23 5.27 542 EFN81 chr9 chr6 protein coding
ENSG00000067405 1.6665055 0.620521 1.81E-12 8.14E-12 0.71 0 0 0.03 RHEX44 Rho GTPase activating protein 44 chr9 chr6 protein coding
ENSG00000275564 1.51974851 2.9869879 0.0539165 0.0148951 0.01 0.00 0.00 0.09 C7orf2-ZTF61.1 chr9 chr6 protein coding
ENSG00000218739 1.2098717 2.6968114 8.76E-05 0.003551 0.85 0.73 2.19 2.71 CEP250 CEP250 opposite strand 6-phosphogluconolactonase chr9 chr6 protein coding
ENSG00000130315 -1.2261647 5.6127992 3.35E-05 4.99E-05 63.61 45.38 30.6 29.19 PGLS chr19 chr6 protein coding
ENSG00000282014 1.11370759 5.0641519 0.0012824 0.0005488 7.04 6.41 21.26 17.45 SMARCD3 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 chr9 chr6 protein coding
ENSG00000223652 1.34484043 -0.554212 0.0037991 0.0108967 0.24 0.31 0.88 0.96 AC106786.1 chr9 chr6 antisense
ENSG00000235168 1.13963053 0.0367675 5.08E-15 9.32E-14 0.01 0.00 0.00 0.32 ANKRD1 A kinase (PKA) anchor protein 11 chr9 chr13 protein coding
ENSG00000181315 2.11206372 0.8610803 1.91E-08 1.40E-07 0.16 0.04 0.38 0.81 ZNF322 zinc finger protein 322 chr9 chr13 protein coding
ENSG00000167654 4.2377973 1.3295265 5.64E-23 1.68E-21 0.02 0.28 6.37 5.86 UBE2L lymphocyte anionin 6 complex, locus D chr9 chr6 protein coding
ENSG00000185201 1.7931076 0.0326767 5.08E-15 9.32E-14 0.01 0.00 0.00 0.01 FBX222 chr9 chr6 protein coding
ENSG00000205748 -8.0387861 -0.9567973 3.62E-14 5.28E-13 0.17 0.4 0 0 0 DENND1C DENND1/MAAD domain containing 1C chr9 chr6 protein coding
ENSG00000264203 2.6121511 -2.2002001 0.001015 0.0035312 0.02 0.39 0.15 0.07 RP11-490C6 chr9 chr6 protein coding
ENSG00000162401 1.65776338 3.3399767 0.0001593 0.00042485 0.57 0.39 0.39 1.52 UBE2A ubiquitin specific peptidase 2A chr9 chr6 protein coding
ENSG00000174442 1.0 1.57976701 2.0349871 1.22E-06 6.90E-06 0.02 0.69 0.02 2.24 ZWILCH zinc knetochore protein chr15 chr6 protein coding
ENSG00000181790 1.45265177 -1.177375 1.65E-11 1.77E-10 0.41 0.00 0.00 0.11 BAI1 chr9 chr16 protein coding
ENSG00000280691 5.22761104 -2.8805399 0.0293522 0.00656312 0 0 0.12 0.02 CTD-2349P2 chr9 chr17 protein coding
ENSG00000298583 3.30266834 1.1570932 4.58E-05 0.0019809 0 0 0.03 0.08 TRIM6-TRIM TRIM6-TRIM3 readthrough chr9 chr17 protein coding
ENSG00000188925 3.1160711 1.83406 4.86E-06 3.32E-05 0.93 3.75 0.69 6.59 NCKX1 NaX adaptor (and transloc) release factor chr9 chr17 protein coding
ENSG00000113575 7.42159991 1.2975784 1.18E-10 1.17E-09 0 0 0.07 0.14 PCDH12 protocadherin 12 chr9 chr6 protein coding
ENSG00000164989 4.43397408 -1.2125842 6.30E-08 4.35E-07 0 0 0.06 0.09 CCLD171 coiled-coil domain containing 171 chr9 chr6 protein coding
ENSG00000125566 1.4 1.9213659 1.69778472 3.92E-07 4.98E-07 39.23 34.57 14.6 21.17 PKM3 phosphotransferase, muscle chr9 chr12 protein coding
ENSG00000150672 1.93544226 -1.6242536 0.0486779 0.01371541 0 0.01 0.02 0.06 DLG2 discs, large homologue 2 (Drosophila) chr11 chr6 protein coding
ENSG00000135249 -1.1061817 4.41592243 0.001683 0.0061635 19.67 14.16 10.18 10.81 HUPDPA dyslexia inducible lipid droplet-associated chr9 chr6 protein coding
ENSG00000144551 1.72681383 1.4225235 6.81E-04 5.21E-03 0.45 0.46 18.18 16.18 Drosophila homologue 1 chr9 chr6 protein coding
ENSG00000216908 2.53802485 1.31108644 5.59E-12 6.25E-11 0.37 0.14 0.18 2.75 DEPDC7 DEP domain containing 7 chr9 chr11 protein coding
ENSG00000105887 2.45347436 1.6821508 6.08E-07 3.32E-06 0.08 0.08 1.1 1.11 BAK1 BAK domain containing 1 chr9 chr14 protein coding
ENSG00000175055 3.98475994 -1.3026739 1.50E-12 1.86E-11 0.01 0.03 0.15 0.5 ZNF654 zinc finger protein 654 chr9 chr14 protein coding
ENSG00000179316 -3.5767996 4.1685046 5.68E-28 2.36E-26 10.71 11.24 10.7 1.38 FKX1 four jointed box 1 (Drosophila) chr11 chr6 protein coding
ENSG00000133818 1.1 1.9213659 1.69778472 3.92E-07 4.98E-07 39.23 34.57 14.6 21.17 PKM3 phosphotransferase, muscle chr9 chr12 protein coding
ENSG00000232653 4.44727833 -1.6872995 6.30E-07 3.74E-06 0.01 0 0.09 0.03 RGS5 regulator of G-protein signaling 5 chr9 chr15 protein coding
ENSG00000143248 1.28099126 2.1473829 0.0035424 0.0102709 0.01 0 0.03 0.03 RGS5 regulator of G-protein signaling 5 chr9 chr15 protein coding
ENSG0000019054 1.1757868 1.4663287 6.71E-13 8.96E-12 0.74 1.8 1.95 2.087 SPTLC1 small GTP-binding protein 1 chr9 chr17 protein coding
ENSG00000259481 4.8894645 -0.062281 0.0188873 0.04519557 0 0 0.02 0.67 RP11-1079K -- chr9 chr17 antisense
ENSG0000021584 1.54890786 -2.777825 0.0015808 0.0049521 0 0 0.63 0.11 RP11-853C4 -- chr9 chr17 protein coding
ENSG0000022434 1.8402337 2.6170183 1.89E-08 1.04E-07 1.13 1.18 0.35 5.25 AC009815 chr9 chr17 protein coding
ENSG00000217947 1.46949833 3.28925869 1.36E-06 7.64E-06 1.22 1.17 0.3 3.57 PTPN12 protein tyrosine phosphatase, non-receptor type 12 chr9 chr6 protein coding
ENSG00000184513 1.50627327 2.21108 0.000000 0.000000 0 0 0.03 0.03 SUT3 chr9 chr6 protein coding
ENSG00000169876 -1.5593799 4.2103673 8.74E-08 5.90E-07 12.18 16 6.75 56.5 AVEN apoptosis, caspase activation inhibitor chr9 chr15 protein coding
ENSG00000154663 1.4459304 2.6465524 1.90E-29 8.88E-28 1.25 1.42 0.11 0.09 S9FRS2 SH3 domain containing ring finger 2 chr9 chr6 protein coding
ENSG00000174945 1.2 1.9213659 1.69778472 3.92E-07 4.98E-07 39.23 34.57 14.6 21.17 PKM3 phosphotransferase, muscle chr9 chr12 protein coding
ENSG00000154273 1.3186964 -1.94335 0.0001092 0.00041007 0.02 0 0.13 0.14 C4orf19 chromosome 4 open reading frame 19 chr9 chr13 protein coding
ENSG00000138423 -1.046048 6.0244389 0.001283 0.0104967 9.48 10.66 55.1 7.53 CUL4A cullin 4A chr9 chr13 protein coding
ENSG00000166446 1.8013468 1.5003334 3.19E-08 1.41E-07 0.75 0.75 1.98 1.98 STS suppression of tumorigenesis 5 chr9 chr6 protein coding
ENSG00000154257 1.3028789 0.0270458 0.0082295 0.00276531 0.07 0.11 0.27 0.3 DCLRE1C DNA cross-link repair 1C chr9 chr6 protein coding
ENSG0000014491 1.7979722 1.13247618 1.29E-35 7.86E-34 0.65 0.83 0 0.01 SLC26A9 solute carrier family 26 (anion exchanger), member 9 chr9 chr6 protein coding
ENSG00000181516 1.50271958 1.19592524 1.89E-08 1.37E-07 0.09 0.09 0.37 0.59 GAP42C G patch domain containing 2 chr9 chr6 protein coding
ENSG00000157801 1.1239816 7.68981 6.01E-12 6.93E-11 0.11 0.00 0.00 0.11 MEGF11 multiple EGF-like domains 11 chr9 chr6 protein coding
ENSG00000183474 1.39101035 4.5467081 2.38E-06 1.29E-05 1.9 1.86 4.68 8.57 LAMP2 lysosomal-associated membrane protein 2 chr9 chr6 protein coding
ENSG00000251642 1.59466635 1.27710012 4.15E-06 2.13E-05 0.02 0.34 0 1.44 CNEP1R1 CTD nucleotide envelope phosphatase 1 regulatory subunit 1 chr16 chr6 protein coding
ENSG00000115418 1.27710012 2.7589765 3.78E-14 3.78E-13 0.19 0.00 0.00 0.22 GLS glutamine chr9 chr6 protein coding
ENSG0000

ENSG00000213654.8	-1.3301404	-0.9929666	2.19E-09	1.59E-07	0.42	0.32	0.1	0	GPM3G	G-protein signaling modulator 3	chr6	protein_coding
ENSG00000219671.1	-1.8012976	2.9417252	6.36E-09	5.02E-08	6.11	4.26	2.19	1.78	RAB26	RAB26, member RAS oncogene family	chr6	protein_coding
ENSG00000242911.7	1.2495770	-1.2389254	3.89E-05	0.0016973	0.02	0.0	0.1	0.07	ZNF773	zinc finger protein 773	chr6	protein_coding
ENSG00000200584.7	1.0000000	1.3317486	1.00E-06	1.00E-06	0.44	0.19	0.44	0.09	NBR22	NBR22, member RAS oncogene family	chr6	protein_coding
ENSG00000216425.1	1.4212684	1.0401588	2.75E-22	7.87E-21	0.05	0.01	0.79	1.07	STGAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	chr6	protein_coding
ENSG00000238660.10	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	APLAF	adaptor-related protein complex 1 associated regulatory protein, intergenic non-protein coding RNA 941	chr6	protein_coding
ENSG00000234344.3	1.3642487	1.2782206	2.02E-23	6.22E-22	1.62	1.8	0.29	0.08	SPOCD1	SPOC domain containing 1	chr6	protein_coding
ENSG00000236013.1	0.5352001	0.8006613	1.33E-09	1.73E-07	0.45	0.3	0.29	0.35	SLC20A1	solute carrier organic anion transporter family, member 2A1	chr6	protein_coding
ENSG00000242734.2	3.8825296	2.5310035	2.31E-26	8.73E-25	0.11	0.17	2.54	3.04	RGAGA	retrotransposon gag domain containing 4	chr6	protein_coding
ENSG00000217702.14	6.4994354	-0.2389672	1.78E-06	8.96E-06	0.0	0.003	0.05	0.03	PROX1	prosurin homeobox 1	chr6	protein_coding
ENSG00000214111.13	2.7191191	0.204191	9.23E-17	3.04E-07	0.15	0.1	0.05	0.47	ZNF187	zinc finger protein 187	chr6	protein_coding
ENSG00000200492.6	1.3053641	4.3458442	9.49E-06	4.63E-05	1.43	1.44	0.49	4.76	NTNT-AS1	NTNT antisense RNA 1	chr6	antisense
ENSG00000219659.9	-4.6674355	-1.8110689	9.92E-10	8.71E-09	0.02	0.14	0.01	0.1	CACNA1B	calcium channel, voltage-dependent, T type, alpha 1H subunit	chr6	protein_coding
ENSG00000213919.13	1.0000000	1.3317486	1.00E-06	1.00E-06	0.44	0.19	0.44	0.09	NBR22	NBR22, member RAS oncogene family	chr6	protein_coding
ENSG00000217646.10	-1.1103642	7.0624854	5.70E-05	0.0020446	61.35	56.41	36.29	33.87	THAP4	THAP domain containing 4	chr6	protein_coding
ENSG00000202836.05	-1.2529606	1.3023222	0.0001231	0.0009926	0.59	0.78	0.43	0.35	FAM156A	family with sequence similarity 156, member A	chr6	protein_coding
ENSG00000200284.1	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	CTD-2047H1	histone cluster 1, H20M	chr6	protein_coding
ENSG00000206883.1	-1.3170003	-2.8637184	0.0161562	0.0395166	0.12	0.27	0.06	0.1	CTD-2047H1	histone cluster 1, H20M	chr6	antisense
ENSG00000213683.13	1.0859587	4.1161041	0.0002023	0.0008176	11.24	10.03	33.87	25.88	NUTL1	nucleotide diphosphate linked motif XI-type motif 14	chr6	protein_coding
ENSG00000200766.11	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	POLC3	polynucleotide kinase	chr6	protein_coding
ENSG00000218437.4	3.8666224	0.8907916	2.14E-08	4.56E-17	0.12	0.42	0.29	3.08	HIST1H1B	histone cluster 1, H1b	chr6	protein_coding
ENSG00000200676.15	2.616209	0.0006564	0.0028018	0.0000000	0.02	0.0	0.0	0.21	IL2A	interleukin 12A	chr6	protein_coding
ENSG00000217720.14	6.45521709	-2.0709636	3.03E-06	1.62E-05	0.0	0.0	0.55	0.47	RP11-10008--	decaying pre-mRNA 2	chr6	sense_intronic
ENSG00000217295.14	4.5613271	0.2529798	1.06E-17	2.12E-16	0.01	0.21	0.29	0.29	CD92	CD molecule and Src domain 3	chr6	protein_coding
ENSG00000200665.10	1.3261748	0.0014942	0.0007248	0.0000000	0.02	0.0	0.0	0.32	EMX2	EMX homeobox 2	chr6	protein_coding
ENSG00000219671.1	-1.2211648	4.9611598	2.20E-13	3.95E-12	0.33	12.47	3.99	3.47	ANKRD138	ankyrin repeat domain 138	chr6	protein_coding
ENSG00000210296.12	-1.1913406	6.9984764	3.64E-05	0.0015978	27.29	25.09	16.6	16.26	THCD5	THCD domain 5	chr6	protein_coding
ENSG00000200584.7	1.0000000	1.3317486	1.00E-06	1.00E-06	0.44	0.19	0.44	0.09	NBR22	NBR22, member RAS oncogene family	chr6	protein_coding
ENSG00000216425.1	1.4212684	1.0401588	2.75E-22	7.87E-21	0.05	0.01	0.79	1.07	STGAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	chr6	protein_coding
ENSG00000238660.10	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	APLAF	adaptor-related protein complex 1 associated regulatory protein, intergenic non-protein coding RNA 941	chr6	protein_coding
ENSG00000234344.3	1.3642487	1.2782206	2.02E-23	6.22E-22	1.62	1.8	0.29	0.08	SPOCD1	SPOC domain containing 1	chr6	protein_coding
ENSG00000236013.1	0.5352001	0.8006613	1.33E-09	1.73E-07	0.45	0.3	0.29	0.35	SLC20A1	solute carrier organic anion transporter family, member 2A1	chr6	protein_coding
ENSG00000242734.2	3.8825296	2.5310035	2.31E-26	8.73E-25	0.11	0.17	2.54	3.04	RGAGA	retrotransposon gag domain containing 4	chr6	protein_coding
ENSG00000217702.14	6.4994354	-0.2389672	1.78E-06	8.96E-06	0.0	0.003	0.05	0.03	PROX1	prosurin homeobox 1	chr6	protein_coding
ENSG00000214111.13	2.7191191	0.204191	9.23E-17	3.04E-07	0.15	0.1	0.05	0.47	ZNF187	zinc finger protein 187	chr6	protein_coding
ENSG00000200492.6	1.3053641	4.3458442	9.49E-06	4.63E-05	1.43	1.44	0.49	4.76	NTNT-AS1	NTNT antisense RNA 1	chr6	antisense
ENSG00000219659.9	-4.6674355	-1.8110689	9.92E-10	8.71E-09	0.02	0.14	0.01	0.1	CACNA1B	calcium channel, voltage-dependent, T type, alpha 1H subunit	chr6	protein_coding
ENSG00000213919.13	1.0000000	1.3317486	1.00E-06	1.00E-06	0.44	0.19	0.44	0.09	NBR22	NBR22, member RAS oncogene family	chr6	protein_coding
ENSG00000217646.10	-1.1103642	7.0624854	5.70E-05	0.0020446	61.35	56.41	36.29	33.87	THAP4	THAP domain containing 4	chr6	protein_coding
ENSG00000202836.05	-1.2529606	1.3023222	0.0001231	0.0009926	0.59	0.78	0.43	0.35	FAM156A	family with sequence similarity 156, member A	chr6	protein_coding
ENSG00000200284.1	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	CTD-2047H1	histone cluster 1, H20M	chr6	protein_coding
ENSG00000206883.1	-1.3170003	-2.8637184	0.0161562	0.0395166	0.12	0.27	0.06	0.1	CTD-2047H1	histone cluster 1, H20M	chr6	antisense
ENSG00000213683.13	1.0859587	4.1161041	0.0002023	0.0008176	11.24	10.03	33.87	25.88	NUTL1	nucleotide diphosphate linked motif XI-type motif 14	chr6	protein_coding
ENSG00000200766.11	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	POLC3	polynucleotide kinase	chr6	protein_coding
ENSG00000218437.4	3.8666224	0.8907916	2.14E-08	4.56E-17	0.12	0.42	0.29	3.08	HIST1H1B	histone cluster 1, H1b	chr6	protein_coding
ENSG00000200676.15	2.616209	0.0006564	0.0028018	0.0000000	0.02	0.0	0.0	0.21	IL2A	interleukin 12A	chr6	protein_coding
ENSG00000217720.14	6.45521709	-2.0709636	3.03E-06	1.62E-05	0.0	0.0	0.55	0.47	RP11-10008--	decaying pre-mRNA 2	chr6	sense_intronic
ENSG00000217295.14	4.5613271	0.2529798	1.06E-17	2.12E-16	0.01	0.21	0.29	0.29	CD92	CD molecule and Src domain 3	chr6	protein_coding
ENSG00000200665.10	1.3261748	0.0014942	0.0007248	0.0000000	0.02	0.0	0.0	0.32	EMX2	EMX homeobox 2	chr6	protein_coding
ENSG00000219671.1	-1.2211648	4.9611598	2.20E-13	3.95E-12	0.33	12.47	3.99	3.47	ANKRD138	ankyrin repeat domain 138	chr6	protein_coding
ENSG00000210296.12	-1.1913406	6.9984764	3.64E-05	0.0015978	27.29	25.09	16.6	16.26	THCD5	THCD domain 5	chr6	protein_coding
ENSG00000200584.7	1.0000000	1.3317486	1.00E-06	1.00E-06	0.44	0.19	0.44	0.09	NBR22	NBR22, member RAS oncogene family	chr6	protein_coding
ENSG00000216425.1	1.4212684	1.0401588	2.75E-22	7.87E-21	0.05	0.01	0.79	1.07	STGAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	chr6	protein_coding
ENSG00000238660.10	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	APLAF	adaptor-related protein complex 1 associated regulatory protein, intergenic non-protein coding RNA 941	chr6	protein_coding
ENSG00000234344.3	1.3642487	1.2782206	2.02E-23	6.22E-22	1.62	1.8	0.29	0.08	SPOCD1	SPOC domain containing 1	chr6	protein_coding
ENSG00000236013.1	0.5352001	0.8006613	1.33E-09	1.73E-07	0.45	0.3	0.29	0.35	SLC20A1	solute carrier organic anion transporter family, member 2A1	chr6	protein_coding
ENSG00000242734.2	3.8825296	2.5310035	2.31E-26	8.73E-25	0.11	0.17	2.54	3.04	RGAGA	retrotransposon gag domain containing 4	chr6	protein_coding
ENSG00000217702.14	6.4994354	-0.2389672	1.78E-06	8.96E-06	0.0	0.003	0.05	0.03	PROX1	prosurin homeobox 1	chr6	protein_coding
ENSG00000214111.13	2.7191191	0.204191	9.23E-17	3.04E-07	0.15	0.1	0.05	0.47	ZNF187	zinc finger protein 187	chr6	protein_coding
ENSG00000200492.6	1.3053641	4.3458442	9.49E-06	4.63E-05	1.43	1.44	0.49	4.76	NTNT-AS1	NTNT antisense RNA 1	chr6	antisense
ENSG00000219659.9	-4.6674355	-1.8110689	9.92E-10	8.71E-09	0.02	0.14	0.01	0.1	CACNA1B	calcium channel, voltage-dependent, T type, alpha 1H subunit	chr6	protein_coding
ENSG00000213919.13	1.0000000	1.3317486	1.00E-06	1.00E-06	0.44	0.19	0.44	0.09	NBR22	NBR22, member RAS oncogene family	chr6	protein_coding
ENSG00000217646.10	-1.1103642	7.0624854	5.70E-05	0.0020446	61.35	56.41	36.29	33.87	THAP4	THAP domain containing 4	chr6	protein_coding
ENSG00000202836.05	-1.2529606	1.3023222	0.0001231	0.0009926	0.59	0.78	0.43	0.35	FAM156A	family with sequence similarity 156, member A	chr6	protein_coding
ENSG00000200284.1	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	CTD-2047H1	histone cluster 1, H20M	chr6	protein_coding
ENSG00000206883.1	-1.3170003	-2.8637184	0.0161562	0.0395166	0.12	0.27	0.06	0.1	CTD-2047H1	histone cluster 1, H20M	chr6	antisense
ENSG00000213683.13	1.0859587	4.1161041	0.0002023	0.0008176	11.24	10.03	33.87	25.88	NUTL1	nucleotide diphosphate linked motif XI-type motif 14	chr6	protein_coding
ENSG00000200766.11	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	POLC3	polynucleotide kinase	chr6	protein_coding
ENSG00000218437.4	3.8666224	0.8907916	2.14E-08	4.56E-17	0.12	0.42	0.29	3.08	HIST1H1B	histone cluster 1, H1b	chr6	protein_coding
ENSG00000200676.15	2.616209	0.0006564	0.0028018	0.0000000	0.02	0.0	0.0	0.21	IL2A	interleukin 12A	chr6	protein_coding
ENSG00000217720.14	6.45521709	-2.0709636	3.03E-06	1.62E-05	0.0	0.0	0.55	0.47	RP11-10008--	decaying pre-mRNA 2	chr6	sense_intronic
ENSG00000217295.14	4.5613271	0.2529798	1.06E-17	2.12E-16	0.01	0.21	0.29	0.29	CD92	CD molecule and Src domain 3	chr6	protein_coding
ENSG00000200665.10	1.3261748	0.0014942	0.0007248	0.0000000	0.02	0.0	0.0	0.32	EMX2	EMX homeobox 2	chr6	protein_coding
ENSG00000219671.1	-1.2211648	4.9611598	2.20E-13	3.95E-12	0.33	12.47	3.99	3.47	ANKRD138	ankyrin repeat domain 138	chr6	protein_coding
ENSG00000210296.12	-1.1913406	6.9984764	3.64E-05	0.0015978	27.29	25.09	16.6	16.26	THCD5	THCD domain 5	chr6	protein_coding
ENSG00000200584.7	1.0000000	1.3317486	1.00E-06	1.00E-06	0.44	0.19	0.44	0.09	NBR22	NBR22, member RAS oncogene family	chr6	protein_coding
ENSG00000216425.1	1.4212684	1.0401588	2.75E-22	7.87E-21	0.05	0.01	0.79	1.07	STGAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	chr6	protein_coding
ENSG00000238660.10	1.7102993	0.5629845	7.26E-06	3.62E-05	0.17	0.2	0.02	0.18	APLAF	adaptor-related protein complex 1 associated regulatory protein, intergenic non-protein coding RNA 941	chr6	protein_coding
ENSG00000234344.3	1.3642487	1.2782206	2.02E-23	6.22E-22	1.62	1.8	0.29	0.08	SPOCD1	SPOC domain containing 1	chr6	protein_coding
ENSG00000236013.1	0.5352001	0.8006613	1.33E-09	1.73E-07	0.45	0.3	0.29	0.35	SLC20A1	solute carrier organic anion transporter family, member 2A1	chr6	protein_coding
ENSG00000242734.2	3.8825296	2.5310035	2.31E-26	8.								

ENSG00000188706.11	-1.9426347	6.3683143	4.666-11	4.846-10	20.71	0	24.46	8.43	7.18 ZDHHC9	zinc finger, DHHC-type containing 9	chrX	protein_coding
ENSG00000128044.17	1.2863354	2.986922	0	3.986-47	0	0	0	3.78	281 RPS	interferon regulatory factor 5	chr7	protein_coding
ENSG0000027703.1	1.8848726	1.8848726	3.736-07	2.306-06	0	0	0.48	157 RP11-78A19.1			chr18	antisense
ENSG00000124151.17	2.0969787	4.3070617	4.766-12	5.556-11	0.59	0.83	3.91	473 NCOA3	nuclear receptor coactivator 3		chr20	protein_coding
ENSG00000185836.10	4.1504468	0.005127	0.004869	0.004869	2.96	2.42	0.42	034 NTSG2	integrator complex subunit 2		chr10	protein_coding
ENSG00000133812.12	-1.9103692	5.4968935	1.096-10	1.084-09	7.83	7.83	2.66	MIKAL2	microtubule associated monoenoxygase, calponin and LIM domain containing 2		chr11	protein_coding
ENSG00000102826.13	2.6345492	8.8640431	2.471-18	2.221-17	15.97	17.97	136.61	144.19 CPS1	carbamoyl-phosphate synthase 1, mitochondrial		chr20	protein_coding
ENSG00000135517.12	1.3919125	3.74979127	3.826-06	2.016-05	0.74	0.71	2.52	254 COL18A1	collagen, type XVIII, alpha 1		chr21	protein_coding
ENSG00000182871.13	1.3919125	3.74979127	3.826-06	2.016-05	0.74	0.71	2.52	254 COL18A1	collagen, type XVIII, alpha 1		chr21	protein_coding
ENSG00000176200.11	6.4925159	2.0492034	1.786-06	9.956-06	2.35	2.40	0.64	008 RP11-76G02			chr1	protein_coding
ENSG00000177765.15	4.8583852	0.55	0.55	2.96-05	2.35	2.40	0.64	1383 SLTM	SARF-like, transcription modulator		chr15	protein_coding
ENSG00000130270.15	-1.2238199	3.5046905	4.226-05	0.0001834	2.33	1.65	1.11	ATP8B3	ATPase, aminohydroxymethyl transporter, class 1, type 8B, member 3		chr19	protein_coding
ENSG00000102107.1	1.9732616	0.7498996	6.286-06	1.084-05	7.43	8.27	36.04	4025 MT-TQ	mitochondrially encoded tRNA glutamine	chrM1	protein_coding	
ENSG00000119888.9	4.3090833	1.7443639	1.146-25	4.106-24	0.11	0.14	2.26	436 EPCAM	epithelial cell adhesion molecule	chr12	protein_coding	
ENSG00000120568.11	-8.1233874	-0.856396	1.196-14	1.846-13	0.38	0.18	0	0 ENOX1	ecto-NOX disulfide-thiol exchanger 1	chr13	protein_coding	
ENSG00000163006.10	2.3567447	-0.3992261	8.806-06	1.156-06	0.04	0.11	0.27	0.176 CDDC138	coiled-coil domain containing 138	chr2	protein_coding	
ENSG00000164323.11	1.9366248	-0.263819	2.386-05	0.00010714	0.02	0.06	0.1	0.31 CFAP97	cilia and flagella associated protein 97	chr10	protein_coding	
ENSG00000151092.15	1.1048349	2.8476049	0.0003196	0.010991	1.14	1.37	2.83	44 NGLV1	N-glycanase 1	chr13	protein_coding	
ENSG00000152621.1	-5.5198359	-2.8847712	0.0038008	0.0046907	0.11	0	0	0 RP11-377D9		chr12	antisense	
ENSG00000230002.2	3.29919697	-1.8616257	0.0001607	0.00062818	0	0.03	0.2	0.18 ALMS1-IT1	ALMS1 intronic transcript 1	chr2	sense_intronic	
ENSG00000102626.1	1.3265524	-0.3289461	0.0023811	0.0070204	0.04	0.06	0.11	0.21 ZNF525	zinc finger protein 525	chr19	protein_coding	
ENSG00000232324.1	-8.906061	0.9041787	3.536-31	1.752-29	4.53	6.33	0.06	0.05 AC009841.0		chr19	antisense	
ENSG00000189376.10	1.7329252	2.5562166	3.766-08	2.666-07	1.85	1.46	6.86	788 C10orf76	chromosome 8 open reading frame 76	chr8	protein_coding	
ENSG00000104447.10	2.664415	-0.438533	3.606-08	2.556-07	0.09	0.11	0.02	0.002 TRF51	trichorhinophalangeal syndrome 1	chr10	protein_coding	
ENSG00000195949.13	1.5359804	5.1686019	4.755-06	2.456-05	8.47	5.77	23.98	24.47 NAC3P7	Ras association (RACGDP/GTP-binding) domain family (N-terminal) member 7	chr11	protein_coding	
ENSG00000185896.10	-1.0951027	9.8077312	0.0001374	0.0005386	196.57	195.94	124.37	120.31 LAMP1	lysosomal-associated membrane protein 1	chr13	protein_coding	
ENSG00000109821.11	1.0774038	3.2963287	0.002353	0.00119766	0.84	0.65	1.69	2.56 C6orf93	cysteine binding protein-like 3	chr7	protein_coding	
ENSG00000170525.17	1.1176381	6.24156112	0.0000787	0.0004343	8.09	7.37	20.05	24.8 PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	chr10	protein_coding	
ENSG00000121644.17	1.3157681	2.6350493	2.236-05	0.00010133	0.77	0.57	1.54	2.95 DES2	desmoglein isopeptidase 2	chr16	protein_coding	
ENSG00000156711.15	2.9826035	3.1333566	1.206-18	9.566-17	0.32	0.18	2.38	2.49 MAPK13	mitogen-activated protein kinase 13	chr6	protein_coding	
ENSG00000136108.13	3.1980466	2.0758879	4.171-19	9.446-18	0.11	0.19	1.08	2.7 C16orf2	cytoskeleton associated protein 2	chr13	protein_coding	
ENSG00000137888.1	1.14760514	0.16899719	0.0042317	0.0020693	0.09	0.17	0.16	0.61 FITS	interferon-induced protein with tetratricopeptide repeats 5	chr10	protein_coding	
ENSG00000124086.9	1.8029551	2.0051221	0.0018222	0.0018222	7.96	3.18	10.01	12.57 FAM210B	family with sequence similarity 210, member B	chr19	protein_coding	
ENSG00000131931.7	2.0651822	0.2135443	8.066-07	4.716-06	0.07	0.24	0.05	1.17 THAP1	THAP domain containing, apoptosis associated protein 1	chr10	protein_coding	
ENSG00000106991.14	-1.1538701	5.5222327	6.906-07	0.0002869	5.14	5.35	0.26	0.04 C16orf2	ORAI calcium release-activated calcium modulator 2	chr7	protein_coding	
ENSG00000104144.14	1.5359804	5.1686019	4.755-06	2.456-05	8.47	5.77	23.98	24.47 NAC3P7	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, oflatory type	chr11	protein_coding	
ENSG00000107590.4	-1.4677607	5.3421434	5.210-17	3.156-06	14.56	18.71	6.36	7.66 PKDIP6	pykrenin-like protein kinase 1 (autosomal dominant) pseudogene 6	chr16	processed_transcript	
ENSG00000114416.16	1.9332929	3.2963287	0.002353	0.00119766	0.84	0.65	1.69	2.56 C6orf93	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	chr7	protein_coding	
ENSG00000103000.7	-4.5884464	-1.2442568	2.1716-09	1.826-08	0.37	0.15	0.03	0.0 PLPAP	plasmaless vesicle associated protein	chr19	protein_coding	
ENSG00000157005.17	-1.2812134	4.3926078	1.306-05	1.616-05	18.96	20.55	9.25	12.47 TMTN1	N-terminal asparagine amidase	chr16	protein_coding	
ENSG00000175966.1	1.2528941	0.673767	0.0007919	0.0019106	1.83	1.22	RP11-10558			chr12	antisense	
ENSG0000027977.1	2.0359249	-4.895213	1.456-05	6.846-05	0.07	0.04	0.33	0.28 CTA-390C10	--	chr22	sense_intronic	
ENSG00000105978.5	-6.2420973	-0.5480314	2.411-16	4.696-16	0.13	0.14	0	0 NYNRN	NYN domain and retroviral integrase containing	chr14	protein_coding	
ENSG00000147700.10	1.3783191	5.3421434	5.210-17	3.156-06	14.56	18.71	6.36	4.58 DMTK2	DMT1-like family A2	chr12	protein_coding	
ENSG00000105996.1	1.0736291	1.6623716	3.596-24	1.176-22	0.5	0.06	6.63	6.23 C10orf1-AT	C10orf1 antisense RNA 1	chr10	antisense	
ENSG00000147699.15	-3.9323991	3.5176808	1.246-29	5.646-28	2.86	1.88	0.62	0.02 FAM83A	family with sequence similarity 83, member A	chr19	protein_coding	
ENSG00000104865.12	5.1174737	1.936-09	1.836-09	1.836-09	5.13	5.45	RELB	v-vi avian reticuloendotheliosis virus oncogene homolog B	chr18	protein_coding		
ENSG00000177728.13	-1.1106752	5.1877603	0.0001377	0.00053979	7.29	7.47	4.85	4.26 KAA0195	KIA0195	chr19	protein_coding	
ENSG00000135946.12	1.9332929	3.2963287	0.002353	0.00119766	0.84	0.65	1.69	2.56 C6orf93	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	chr7	protein_coding	
ENSG00000279900.1	5.45007274	-2.7494288	0.0001377	0.00053979	7.29	7.47	4.85	4.26 KAA0195	KIA0195	chr19	protein_coding	
ENSG00000186931.11	-1.1602242	5.6624906	6.236-05	0.00026157	51.49	40.32	29.87	24.8 DTYMK	deoxythymine kinase (thymidine kinase)	chr19	protein_coding	
ENSG00000181791.7	5.7988939	5.7988939	0.000384	0.0011597	12.65	11.73	7.57	0.47 KAA0414	KIA0414	chr19	protein_coding	
ENSG00000158711.12	1.66700214	2.3575000	1.786-07	1.156-06	0.13	0.22	0.64	0.87 ELKA	ELK4, ETS-domain protein (SRF accessory protein 1)	chr1	protein_coding	
ENSG00000145362.15	1.3564486	-1.1891145	0.0165825	0.0452583	0.01	0.02	0.03	0.04 ANK2	ankyrin 2, neuronal	chr1	protein_coding	
ENSG00000145308.15	1.3564486	-1.1891145	0.0165825	0.0452583	0.01	0.02	0.03	0.04 ANK2	ankyrin 2, neuronal	chr1	protein_coding	
ENSG00000105978.5	-6.2420973	-0.5480314	2.411-16	4.696-16	0.13	0.14	0	0 NYNRN	NYN domain and retroviral integrase containing	chr14	protein_coding	
ENSG00000105996.1	1.0736291	1.6623716	3.596-24	1.176-22	0.5	0.06	6.63	6.23 C10orf1-AT	C10orf1 antisense RNA 1	chr10	antisense	
ENSG00000147699.15	-3.9323991	3.5176808	1.246-29	5.646-28	2.86	1.88	0.62	0.02 FAM83A	family with sequence similarity 83, member A	chr19	protein_coding	
ENSG00000104865.12	5.1174737	1.936-09	1.836-09	1.836-09	5.13	5.45	RELB	v-vi avian reticuloendotheliosis virus oncogene homolog B	chr18	protein_coding		
ENSG00000177728.13	-1.1106752	5.1877603	0.0001377	0.00053979	7.29	7.47	4.85	4.26 KAA0195	KIA0195	chr19	protein_coding	
ENSG00000135946.12	1.9332929	3.2963287	0.002353	0.00119766	0.84	0.65	1.69	2.56 C6orf93	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	chr7	protein_coding	
ENSG00000279900.1	5.45007274	-2.7494288	0.0001377	0.00053979	7.29	7.47	4.85	4.26 KAA0195	KIA0195	chr19	protein_coding	
ENSG00000186931.11	-1.1602242	5.6624906	6.236-05	0.00026157	51.49	40.32	29.87	24.8 DTYMK	deoxythymine kinase (thymidine kinase)	chr19	protein_coding	
ENSG00000181791.7	5.7988939	5.7988939	0.000384	0.0011597	12.65	11.73	7.57	0.47 KAA0414	KIA0414	chr19	protein_coding	
ENSG00000158711.12	1.66700214	2.3575000	1.786-07	1.156-06	0.13	0.22	0.64	0.87 ELKA	ELK4, ETS-domain protein (SRF accessory protein 1)	chr1	protein_coding	
ENSG00000145362.15	1.3564486	-1.1891145	0.0165825	0.0452583	0.01	0.02	0.03	0.04 ANK2	ankyrin 2, neuronal	chr1	protein_coding	
ENSG00000145308.15	1.3564486	-1.1891145	0.0165825	0.0452583	0.01	0.02	0.03	0.04 ANK2	ankyrin 2, neuronal	chr1	protein_coding	
ENSG00000105978.5	-6.2420973	-0.5480314	2.411-16	4.696-16	0.13	0.14	0	0 NYNRN	NYN domain and retroviral integrase containing	chr14	protein_coding	
ENSG00000105996.1	1.0736291	1.6623716	3.596-24	1.176-22	0.5	0.06	6.63	6.23 C10orf1-AT	C10orf1 antisense RNA 1	chr10	antisense	
ENSG00000147699.15	-3.9323991	3.5176808	1.246-29	5.646-28	2.86	1.88	0.62	0.02 FAM83A	family with sequence similarity 83, member A	chr19	protein_coding	
ENSG00000104865.12	5.1174737	1.936-09	1.836-09	1.836-09	5.13	5.45	RELB	v-vi avian reticuloendotheliosis virus oncogene homolog B	chr18	protein_coding		
ENSG00000177728.13	-1.1106752	5.1877603	0.0001377	0.00053979	7.29	7.47	4.85	4.26 KAA0195	KIA0195	chr19	protein_coding	
ENSG00000135946.12	1.9332929	3.2963287	0.002353	0.00119766	0.84	0.65	1.69	2.56 C6orf93	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	chr7	protein_coding	
ENSG00000279900.1	5.45007274	-2.7494288	0.0001377	0.00053979	7.29	7.47	4.85	4.26 KAA0195	KIA0195	chr19	protein_coding	
ENSG00000186931.11	-1.1602242	5.6624906	6.236-05	0.00026157	51.49	40.32	29.87	24.8 DTYMK	deoxythymine kinase (thymidine kinase)	chr19	protein_coding	
ENSG00000181791.7	5.7988939	5.7988939	0.000384	0.0011597	12.65	11.73	7.57	0.47 KAA0414	KIA0414	chr19	protein_coding	
ENSG00000158711.12	1.66700214	2.3575000	1.786-07	1.156-06	0.13	0.22	0.64	0.87 ELKA	ELK4, ETS-domain protein (SRF accessory protein 1)	chr1	protein_coding	
ENSG00000145362.15	1.3564486	-1.1891145	0.0165825	0.0452583	0.01	0.02	0.03	0.04 ANK2	ankyrin 2, neuronal	chr1	protein_coding	
ENSG00000145308.15	1.3564486	-1.1891145	0.0165825	0.0452583	0.01	0.02	0.03	0.04 ANK2	ankyrin 2, neuronal	chr1	protein_coding	
ENSG00000105978.5	-6.2420973	-0.5480314	2.411-16	4.696-16	0.13	0.14	0	0 NYNRN	NYN domain and retroviral integrase containing	chr14	protein_coding	
ENSG00000105996.1	1.0736291	1.6623716	3.596-24	1.176-22	0.5	0.06	6.63	6.23 C10orf1-AT	C10orf1 antisense RNA 1	chr10	antisense	
ENSG00000147699.15	-3.9323991											

ENSG0000017083.3	262245609	0.266536	1.07E-09	9.33E-09	0.02	0.17	0.92	0.62	CEL	carboxyl ester lipase	ch9
ENSG0000015339.3	1.1467196	1.1467196	0.000000	0.000000	0.00	0.00	0.00	1.27	MARVELD2	MARVEL domain containing 2	ch9
ENSG00000168439.5	-1.0375901	9.33434769	0.0030502	0.0010887	235.46	157.97	238.96	150.08	STIP1	stress-induced phosphatase	ch11
ENSG00000266953.5	-37199094	1.74394202	5.22E-23	1.57E-21	8.03	7.42	4.09	1.04	RP11-618P1.1	--	ch19
ENSG0000024680.8	-1.5454848	0.000000	2.55E-06	2.98E-05	0.01	0.11	0.00	0.0	ZNF6583	zinc finger protein 5583	ch19
ENSG00000174501.3	802970686	-0.7757139	3.61E-13	4.73E-12	0	0	0.05	0.21	ANKRD36C	ankyrin repeat domain 36C	ch19
ENSG00000204386.9	122876597	5.79131048	2.28E-05	0.00010343	14.24	11.92	41.87	39.84	NEU1	sialidase 1 (lysosomal sialidase)	ch16
ENSG0000015326.9	5.99861408	6.39E-06	3.19E-05	3.19E-05	14.47	7.99	14.47	0.27	CAPRIN3	calpain 15	ch16
ENSG00000169071.1	11741841	1.59516326	0.0003923	0.00140048	0.35	0.29	0.62	1.32	CXAP2L	cytoskeleton associated protein 2-like	ch16
ENSG00000252646.1	-1.456584	1.94103217	6.59E-06	3.31E-05	0	0	0.64	0.35	CYLR1	citrate lyase beta like	ch13
ENSG0000017544.12	-1.5550004	0.000000	0.0010265	0.0069522	0.54	0.00	0.00	0.38	CABP4	calmodulin binding protein 4	ch16
ENSG00000212496.6	7.100136	-1.5594428	7.18E-09	5.62E-08	0	0	0.32	0.42	L13BR2	interleukin 13 receptor, alpha 2	chX
ENSG0000012496.6	-1.4666799	6.7180264	4.53E-07	7.5E-06	23.9	19.5	10.91	9.75	PTP1	protein tyrosine kinase 7 (trachea)	ch6
ENSG0000047133.14	151091483	4.78262696	3.07E-07	1.92E-06	1.35	15.3	4.79	6.15	TA1	TAF1 RNA polymerase I, TATA box binding protein (TBP)-associated factor, 250kDa	ch15
ENSG00000168613.3	123684844	701234436	1.85E-05	8.57E-05	13.26	14.09	42.95	42.95	KMT7	kissin family member 7	ch15
ENSG00000255916.1	1.4666799	-2.0781831	0.000000	0.000000	0.00	0.00	0.00	0.86	RP13-895J2.1	--	ch12
ENSG00000168613.3	-2.7718226	427054555	6.94E-19	1.54E-17	8.9	8.15	16.7	1.65	FGFR4	fibroblast growth factor receptor 4	ch15
ENSG00000189416.6	301014089	-1.3229891	9.84E-06	4.79E-05	0.03	0.03	0.32	0.28	SPAT1A1	spatiotemporal associated 41 (non-protein coding)	ch15
ENSG00000144306.12	1.9182077	0.74807942	1.38E-06	7.65E-06	0.16	0.21	0.5	1.26	SCRN2	sequestin 2	ch12
ENSG000002013318.4	-1.7236872	5.19048842	5.04E-09	4.03E-08	9.27	7.91	3.53	3.4	ARAP3	ARFgap with RHGAP domain, ankyrin repeat and PH domain 3	ch12
ENSG00000161835.9	253627021	-2.3705245	0.0077015	0.0197584	0	0	0.03	0.06	GRASP	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	ch12
ENSG00000227357.2	3.89863134	-0.9391869	7.94E-12	8.35E-11	0.03	0.02	0.39	0.69	RP11-475J2.4	--	ch12
ENSG000002061071.1	1.12583411	-0.5143489	0.0510105	0.0370772	0.26	0.35	0.4	1.36	RP11-223E5.4	--	ch16
ENSG00000255918.14	-1.1829426	1.11477743	0.0004924	0.0017292	0.67	0.69	0.36	0.43	KCNQ1	potassium channel, voltage gated KOT-like subfamily O, member 1	ch11
ENSG00000145020.8	5.6311557	1.9785988	0.0003929	0.00140167	0.09	0.11	0.02	0.02	CCO-3L1	coiled-coil domain containing R1	ch16
ENSG00000165775.16	-1.16184	5.4205366	6.19E-05	0.0002903	7.44	7.4	3.96	4.89	RUNDC2	RUN14 domain containing 2	chX
ENSG00000259915.5	1.0353488	-0.5187118	0.0001358	0.0005254	0.09	0.00	0.12	0.32	PSD	pleckstrin and Sec7 domain containing	ch10
ENSG00000172699.3	221043855	1.62047012	1.74E-10	1.68E-09	0.08	0.07	0.36	0.58	DMX1	Dmx-like 1	ch15
ENSG00000199714.9	-2.2803732	-0.1175828	1.46E-07	9.57E-07	0.6	0.57	0.19	0.13	ZDHHC1	zinc finger, DHHC-type containing 1	ch16
ENSG00000147324.9	1.2254867	4.23531946	1.07E-05	0.0013804	3.33	3.32	1.77	2.02	MHR23	malignant fibrous histiocytoma amplified sequence 1	ch16
ENSG00000198883.10	-1.6073509	-1.3742277	0.0065433	0.01777607	0.12	0.12	0.07	0.03	PNNM5	pancreaticoduodenal MA antigen family member 5	chX
ENSG00000275234.1	5.05188882	-2.9717446	0.010455	0.02582742	0	0	0.09	0.28	CD-2396E7	--	ch19
ENSG00000144306.12	1.2298407	1.43031316	2.23E-16	4.00E-15	0.04	0.57	1.58	0.53	COXOR	coxsackievirus and adenovirus receptor	ch19
ENSG00000258941.3	255519371	1.22063306	4.13E-14	5.99E-13	0.29	0.19	0.36	2.44	RP11-407N1.1	--	ch19
ENSG0000026762.1	1.0166934	0.000000	0.0004362	0.00154347	127.04	144.52	99.02	1.29	CCO-3L1	coiled-coil domain containing R1	ch15
ENSG00000134490.19	436744779	2.71090737	1.31E-05	7.93E-34	0.16	0.13	0.56	5.19	CABP2	calmodulin binding tyrosine-(Y)-phosphorylation regulated	ch15
ENSG00000151413.15	1.6861487	1.69105284	4.57E-07	2.78E-06	0.32	0.47	1.25	2.14	NBPJL	nucleotide binding protein-like	ch14
ENSG00000149434.12	1.8670378	2.67454178	2.14E-04	3.21E-13	0.48	0.46	2.21	0.29	SLC32A2	solute carrier family 38, member 2	ch16
ENSG00000139451.3	1.0254281	0.1974510	0.0067249	0.01821738	0.15	0.34	0.65	0.65	ZNF221	zinc finger protein 221	ch19
ENSG00000165983.3	2.1768306	0.9503497	4.80E-09	3.84E-08	0.18	0.1	0.59	1.13	PFTR	phosphotransferase related 2	ch10
ENSG00000188716.10	2.6867821	1.0117129	0.000000	0.000000	0.00	0.00	0.00	0.20	BAG4	UDP-Galactase4-GlcNAc 4-epi-4- galactose-4-epimerase, polypeptide 6	ch18
ENSG00000174000.16	7.30963459	-1.4000165	4.49E-10	4.11E-09	0	0	0.08	0.04	TMEM154	transmembrane protein 154	ch14
ENSG00000174130.11	-3.105025	-1.663805	8.20E-06	4.05E-05	0.05	0.08	0	0.02	LR6	tail-1 receptor 6	ch16
ENSG00000274482.1	1.5347247	-0.43487678	0.007536	0.0025504	0.1	0.3	0.84	1.75	RP4-186P1.5	--	ch10
ENSG00000198954.1	1.6952639	5.1974738	8.99E-09	6.94E-08	6.31	6.06	23.36	30.18	CASP4	casease 4, acetoxyol-related cysteine peptidase	ch11
ENSG00000212057.4	5.45974547	-2.7440718	0.0015808	0.0049521	0	0	0.07	0.12	SFRP5	secreted frizzled-related protein 5	ch10
ENSG00000161220.2	4.8984958	3.5501361	2.91E-37	1.91E-35	21.81	31.05	0	0.29	RP11-820P1	--	ch19
ENSG00000151012.12	-1.2785784	2.63606661	3.42E-05	0.00015064	0.68	0.07	0.42	0.39	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11	ch19
ENSG00000101384.10	2.67454178	1.97454178	2.14E-04	3.21E-13	0.48	0.46	2.21	0.29	SLC32A2	solute carrier family 38, member 2	ch16
ENSG00000159715.5	-1.3715838	2.99831231	6.94E-06	3.47E-05	3.04	2.37	1.28	1.52	SLC45A3	solute carrier family 45, member 3	ch1
ENSG00000184719.10	-6.8795944	-1.5026795	1.35E-07	8.87E-07	0.12	0.06	0	0	RNL5	reninase, FAD-dependent amino oxidase	ch10
ENSG00000212238.11	2.6864407	1.0312227	0.000000	0.000000	0	0	0.00	1.92	CEP350	centromere protein 350	ch1
ENSG00000172965.3	-1.2688171	-0.489059	0.00434978	0.01238249	0.25	0.5	0.28	0.13	MMR435-1H	--	ch12
ENSG00000196275.12	22259189	-1.8861128	0.0045943	0.0126454	0.01	0.12	0.05	0.05	GTF2RCD	GTF2F protein domain containing 2	ch17
ENSG00000184241.10	3.9107013	1.43031316	2.23E-16	4.00E-15	0.04	0.57	1.58	0.53	COXOR	coxsackievirus and adenovirus receptor	ch19
ENSG00000118974.3	1.19353241	2.10924339	0.0001585	0.0006152	0.27	0.31	0.71	0.44	RAB3GAP2	RAB3 GTPase activating protein subunit 2 (non-catalytic)	ch1
ENSG00000296260.1	-4.7533727	-1.8450712	8.18E-08	5.55E-07	0.55	0.4	0	0.03	S100A5	S100 calcium binding protein A5	ch19
ENSG00000153071.15	3.2452028	0.000000	0.000000	0.000000	0	0	0.00	0.29	DMX1	Dmx-like 1	ch16
ENSG00000199499.1	3.53780763	-2.3434818	0.0003932	0.00140205	0	0.03	0.62	0.03	RP11-1379J2	--	ch15
ENSG0000021890.2	0.0382649	0.000000	1.91E-12	3.21E-11	1.27	1.27	0.00	1.37	NP7R	neuronal pentraxin receptor	ch12
ENSG00000175832.11	-4.7844372	7.09889475	3.67E-06	4.09E-44	78.5	74.25	4.23	3.14	ETV4	ets variant 4	ch17
ENSG00000408323.14	-1.8664942	4.74769387	3.77E-10	3.50E-09	5.4	48.1	1.78	1.95	ITPR1	latent transforming growth factor beta binding protein 1	ch12
ENSG00000101610.10	1.8670378	2.67454178	2.14E-04	3.21E-13	0.48	0.46	2.21	0.29	SLC32A2	solute carrier family 38, member 2	ch16
ENSG00000208843.1	1.93812338	-1.0216093	0.0005219	0.00181847	0.03	0.05	0.25	0.15	CHST7-9B2.1	--	ch10
ENSG00000107779.10	2.03591564	2.0062684	9.81E-10	8.62E-09	0.1	0.12	0.52	0.05	MBPRIA	bone morphogenetic protein, type IIA	ch12
ENSG00000215313.8	1.8670378	2.67454178	2.14E-04	3.21E-13	0.48	0.46	2.21	0.29	SLC32A2	solute carrier family 38, member 2	ch16
ENSG00000110700.5	-1.3865418	8.06484823	2.23E-06	1.22E-05	528.45	438.21	25.75	1.14	PCDNL1	ribosomal protein S13	ch19
ENSG00000132000.10	1.34236388	1.66149752	4.65E-05	0.00020059	0.32	0.55	1.67	1.14	PCDNL1	ribosomal protein S13	ch19
ENSG00000106892.10	1.80727102	3.4270132	3.65E-09	3.11E-08	0.42	0.46	0.29	0.28	CPD	carboxylesterase D	ch16
ENSG00000147110.13	2.10857651	-1.1676336	0.0002372	0.00080378	0	0.12	0.36	0.34	KRT13	keratin 13, type I	ch17
ENSG0000014448.3	-6.7907596	-0.0291296	2.24E-22	6.45E-21	0.2	0.15	0	0	GREB1L	growth regulation by estrogen in breast cancer-like	ch17
ENSG00000245963.3	1.8670378	2.67454178	2.14E-04	3.21E-13	0.48	0.46	2.21	0.29	SLC32A2	solute carrier family 38, member 2	ch16
ENSG00000116254.16	3.2466052	2.52569155	8.18E-21	2.09E-19	0.07	0.11	1.32	0.96	CHD5	chromodomain helicase DNA binding protein 5	ch19
ENSG00000215038.5	1.8670378	2.67454178	2.14E-04	3.21E-13	0.48	0.46	2.21	0.29	SLC32A2	solute carrier family 38, member 2	ch16
ENSG0000010844.16	101427571	1.52755364	0.00212515	0.00648903	0.66	0.64	1.23	2.27	ATG4A	autophagy related 4A, cysteine peptidase	ch12
ENSG00000179941.6	2.7773268	-0.3066162	3.60E-08	2.55E-07	0.04	0.04	0.3	0.41	BRIS10	Barclay-Bied syndrome 10	ch12
ENSG00000138768.13	2.4305807	3.9189238	9.76E-14	1.19E-12	0	0	0.00	0.33	USO1	usherin transmembrane protein 1	ch13
ENSG0000017124.11	-5.205475	-0.0371861	0.010455	0.02582742	0.08	0	0	0	FUT3	fucosyltransferase 3 (galactoside 3H4L-fucosyltransferase, Lewis blood group)	ch19
ENSG00000446054.18	-2.2972375	5.68738873	1.80E-14	2.72E-13	14.73	13.96	42.5	35.1	TRMT7	tripartite motif containing 7	ch12
ENSG00000106498.9	0.00002726	0.000000	0.0001885	0.00044888	0.17	0.00	0.00	0.17	KOMT4	lysine (K)-specific demethylase 7A	ch1
ENSG00000108123.10	9.57471189	0.62945023	2.92E-27	1.18E-25	0	0	0.94	0.6	EPH8E	EPR receptor B8	ch17
ENSG00000104687.11	-1.8671768	6.1447262	1.23E-08	9.30E-08	27.11	28.75	5.28	14.27	SGF	glutathione S-transferase	ch19
ENSG00000152465.5	3.2172314	-0.8941202	2.42E-08	1.56E-06	0.94	0.96	0.16	0.06	CCO-3L1	coiled-coil domain containing R1	ch15
ENSG00000110442.10	-1.0761891	4.04080931	0.00024045	0.00080974	8.23	7.59	5.28	4.58	COMMD9	COMMD domain containing 9	ch11
ENSG00000223474.5	2.6864407	-1.2660733									

ENSG00000280302.1	-5.2091082	-3.0548822	0.0053865	0.01488851	0.03	0.03	0	RP11-64C12 --	chr18	TEC
ENSG0000017146.1	1.5318404	1.5238464	0.0018474	0.00081	0.02	0.02	0	002 ACV0101 --	chr2	Myo10 RISC complex RNA helicase like 1
ENSG00000292646.1	-1.5224124	-2.9258645	1.31566	6.556	0.06	1.44	0.67	0.69 ITGB3	chr17	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
ENSG0000024171.7	3.3113174	5.0073502	1.011-13	1.41E-12	0.02	0.06	0.55	0.55 PAR6DB	chr20	par-6 family cell polarity regulator beta
ENSG0000017930.5	1.1310124	2.0085865	1.0000000	1.17E-24	0.03	0.03	0	0 CPYF113	chr19	cytochrome P450, family 4, subfamily 1, polypeptide 11
ENSG00000165617.3	-3.2700954	-2.5418727	1.28E-21	3.52E-20	1.75	2.15	0.27	1.27 DACT1	chr14	dishevelled-binding antagonist of beta-catenin 1
ENSG0000011799.9	1.32211457	8.0305661	4.75E-06	2.46E-05	9.76	10.29	30.51	36.42 COL12A1	chr16	collagen, type XII, alpha 1
ENSG0000017455.13	1.21840326	2.19480326	3.00E-26	1.17E-24	0.03	0.03	0	1.16 CTX214	chr16	colloid-coupled protein containing 14
ENSG00000183386.8	-3.2131869	-4.5596516	4.79E-24	1.55E-22	22.47	19.36	3.23	2.78 FH3L3	chr19	four and a half LIM domains 3
ENSG0000023220.2	-1.7529945	-1.3869791	7.65E-11	7.77E-10	1.96	0.67	0	0 AC039405	chr16	antisense
ENSG00000242349.4	3.1606219	1.2051455	4.45E-05	2.24E-05	1.22E-05	0.05	0.52	0.52 NPRA-AS1	chr19	NPRA antisense RNA 1
ENSG00000108406.8	2.5757804	2.6716131	4.07E-15	6.88E-14	0.42	0.37	2.28	4.1 DPK40	chr17	DEAH (Asp-Glu-Ala-His) box polypeptide 40
ENSG00000107079.13	1.4652605	2.620309	1.97E-05	1.00E-05	0.26	0.3	0.78	13 TEAD1	chr17	TEA domain member 1 (SV40 transcriptional enhancer factor)
ENSG00000187608.7	-1.1319719	6.2914329	5.53E-06	2.72E-05	99.86	92.27	53.08	49.4 IGS15	chr17	IGS15 ubiquitin-like modifier
ENSG00000143452.14	16.2369259	-0.9062787	0.0021697	0.0066013	0.01	0.18	0.2	0.58 HORMAD1	chr1	HORM domain containing 1
ENSG00000154031.11	1.36109785	4.2232317	4.27E-06	2.22E-05	2.01	2.23	7.36	7.14 RUCV	chr17	RUCV
ENSG00000204267.12	-1.3103288	4.49376745	8.32E-06	4.10E-05	3.32	4.49	2.34	2.17 TAP2	chr6	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
ENSG00000143971.7	2.7662454	0.4625149	5.44E-11	5.52E-10	0.02	0.14	0.52	0.89 ETAA1	chr2	Ewing tumor-associated antigen 1
ENSG00000106698.10	-2.0021328	2.6349824	2.54E-10	2.05E-09	7.09	2.23	0.17	1.07 SLC11A1	chr19	solute carrier family 11 (neuronal/splial high affinity glutamate transporter, system Xag), member 1
ENSG00000112406.4	2.2187967	0.80205255	6.43E-09	5.08E-08	0.06	0.11	0.42	0.62 HECA	chr6	headcase homologue (Drosophila)
ENSG00000181061.12	1.77601599	2.1862011	4.22E-08	2.96E-07	0.96	1	1.46	5.51 HIGD1A	chr11	HIG1 hypoxia inducible domain family, member 1A
ENSG00000163960.10	-1.464651	7.0313167	4.16E-13	5.42E-12	0.03	0.61	0.1	1.84 UNK07	chr19	unclassified protein
ENSG0000075043.16	4.4579597	1.0626448	4.03E-16	7.08E-15	0.01	0.01	0.01	0.24 KCNQ2	chr20	potassium channel, voltage gated KQT-like subfamily Q, member 2
ENSG00000202222.1	-1.0579688	0.94712338	0.047011	0.0132891	3.3	2.8	0.27	1.57 CTC-338M12 --	chr3	antisense
ENSG00000446218.28	-1.2484651	1.8103167	0.0000000	0.0000000	151.1	171.84	46.5	50.58 NOP16	chr16	NOP16 nucleolar protein
ENSG00000279347.1	2.3904218	-2.0719026	0.0061421	0.0167895	0	0.05	0.14	0.23 RP11-851J17 --	chr8	antisense
ENSG00000245701.1	-7.9071019	-1.0554499	2.44E-13	3.25E-12	0.79	1.38	0	0 RP11-369H4 --	chr4	antisense
ENSG00000170161.6	1.10731684	1.55075268	0.0084567	0.0028309	0.56	0.59	1.46	1.84 RP11-262H1 --	chr9	antisense
ENSG00000174669.10	-2.8569627	3.2682927	7.72E-19	1.70E-17	5.4	4.81	1.04	0.84 SLC29A2	chr11	solute carrier family 29 (equilibrative nucleoside transporter), member 2
ENSG00000140187.16	1.5493133	4.8936602	1.59E-07	1.03E-06	3.26	4	1.57	1.75 MRR5	chr16	chondrial ribosome recycling factor
ENSG00000298041.1	2.24612679	-1.2351597	0.0001323	0.00051985	0.12	0.09	0.86	0.55 CTD-201K1 --	chr16	antisense
ENSG00000138104.1	1.72697617	3.0873822	2.41E-08	1.75E-07	0.86	1.54	3.62	7 CEP35	chr10	centrosomal protein 59kDa
ENSG00000139711.13	2.6809044	2.9173313	3.67E-11	3.85E-10	1.59	1.89	0.59	0.65 KLU2B	chr10	leish-like family member 29
ENSG00000108510.8	2.67134597	2.2156379	4.66E-15	7.49E-14	0.07	0.12	0.73	0.89 MED13	chr17	mediator complex subunit 13
ENSG00000208533.1	1.192751	0.613636	0.0012554	0.0036638	0.32	0.46	0.36	0.65 ARHGFP23	chr2	Rho guanine nucleotide exchange factor (GEF) 33
ENSG0000027947.12	-1.569652	0.939346	6.22E-05	0.0026302	13.17	12.26	7.21	7.81 BAPG1	chr2	xyloxyprotein beta 1.4-palmitoyltransferase, polypeptide 7
ENSG00000186918.15	3.45329856	0.18439355	6.00E-13	7.70E-12	0.05	0.01	0.26	0.7 ZNF195	chr11	zinc finger protein 195
ENSG00000187222.14	-2.9680882	-2.4476239	0.0012121	0.0036442	0.05	0.04	0	0.01 ZBTB20	chr3	zinc finger and BTB domain containing 20
ENSG00000206260.1	2.3826329	-0.9718626	1.73E-06	8.03E-05	0.52	0.33	3.27	2.88 SCANT1	chr3	SCAT/ATXN1 antisense RNA 1
ENSG00000205131.1	2.0927191	-1.961514	0.0004059	0.0000000	0.29	0.91	1.38	0.29 RP11-138F1 --	chr3	antisense
ENSG0000010092.19	1.22750117	2.2724943	9.29E-05	0.00037553	0.75	0.86	2.73	2.3 XSHBP1	chr22	SH3-domain binding protein 1
ENSG00000134002.14	1.3317674	0.5264453	0.0004005	0.00155496	0.09	0.29	0.36	0.88 STK26	chrX	serine/threonine protein kinase 26
ENSG00000147496.12	1.04688341	0.4688341	6.18E-22	2.55E-20	2.49	24.92	0	0.3 THY1	chr1	Thy-1 cell surface antigen
ENSG0000008954.13	6.81539267	-1.7863963	1.35E-07	8.87E-07	0	0	0.01	1.16 IGSF9B	chr11	immunoglobulin superfamily, member 9B
ENSG00000168624.3	3.7043917	-1.5596214	5.39E-06	7.9E-05	0.01	0.01	0.11	0.14 CAS24E	chr4	protein
ENSG0000018591.8	1.8730449	5.4934413	4.33E-09	0.0003797	0	0	0	8.84 SPI	chr4	SP1 transcription factor
ENSG00000258953.2	2.3042305	-1.289741	0.01384632	0.0439494	0.08	0	0.06	0.47 CTD-305J12 --	chr14	antisense
ENSG00000156374.13	1.1291419	2.6854929	0.0000000	0.0000000	0.41	0.07	0.07	2.2 PCG10	chr10	polcomb argona rino finger 6
ENSG00000178947.8	7.6252369	-1.1215563	9.11E-12	1.03E-10	0	0	0	0.23 UNCC0086	chr1	antisense
ENSG00000179314.12	4.3084975	-1.7933077	2.62E-06	1.42E-05	0	0	0.07	0.08 WSCD1	chr17	WSC domain containing 1
ENSG0000006188.15	1.4603196	2.9823362	0.000455	0.00262162	0.01	0.03	0.02	0.02 CCK2	chr1	schick cell adhesion molecule 2
ENSG00000109501.12	1.42528617	5.77447162	1.01E-06	5.83E-06	6.27	6.92	25.24	2.185 WFS1	chr17	Wolfram syndrome 1 (wolfram)
ENSG00000157110.14	-2.3991215	4.68654324	7.03E-15	1.11E-13	6.74	7.47	1.87	1.87 RBPMS	chr17	RNA binding protein with multiple splicing
ENSG0000016862.13	1.4242467	6.4440415	8.91E-11	3.32E-08	2.49	24.92	0	0.23 NDI1	chr2	ND1
ENSG00000266903.1	-1.5282059	1.48321202	4.76E-06	2.46E-05	2	2.74	1.11	1.08 CTD-171A8.1 --	chr19	antisense
ENSG00000108210.12	2.3003657	-0.1311664	2.19E-06	1.20E-05	0.02	0.1	0.14	0.58 PACB2	chr4	cholesterol/histidinol-4-kinase type 2 beta
ENSG00000230104.2	1.2694426	2.9173313	3.14E-05	0.00013904	9.11	8.34	1.49	5.13 ZBTB22	chr1	zinc finger and BTB domain containing 22
ENSG00000174827.7	-1.4269185	5.1577068	1.08E-06	6.15E-06	24.1	18.79	0.16	9.58 POLC4	chr11	polychrome (DNA-directed), delta 4, accessory subunit
ENSG00000214317.8	-1.5310717	5.534448	1.11E-07	7.43E-07	20.36	22.03	0	2.14 ACAT2	chr6	acyl-CoA acetyltransferase 2
ENSG00000269533.4	2.87474344	-2.7426684	0.0615662	0.0399166	0	0.04	0.15	0.35 AC003002.6	chr19	antisense
ENSG00000146426.16	-3.5356771	-0.6257216	1.89E-10	1.81E-09	0.07	0.17	0.01	0.01 TMAM2	chr6	T-cell lymphoma invasion and metastasis 2
ENSG00000164651.12	1.4603196	2.9823362	0.000455	0.00262162	0.01	0.03	0.02	0.02 SLC12A2	chr1	solute carrier family 12 (sodium/potassium/chloride transporter), member 2
ENSG00000143494.14	1.69982226	-1.4476937	0.00497703	0.0139196	0.01	0.03	0.02	0.12 VASH2	chr2	vasohistin-2
ENSG00000130762.13	-1.4395201	6.93278011	1.76E-07	4.32E-06	29.21	29.23	13.86	1.487 ARHGFP16	chr1	Rho guanine nucleotide exchange factor (GEF) 16
ENSG0000016435.14	1.8730449	5.4934413	4.33E-09	0.0003797	0	0	0	0.83 E1F3	chr1	E1-4-like factor 3 (5' end domain transcription factor, epithelial-specific)
ENSG00000156374.13	1.79379596	1.66797458	9.32E-08	6.27E-07	0.13	0.14	0.58	0.67 THR9	chr1	throid hormone receptor, beta
ENSG00000108624.17	2.8826551	1.6851387	3.29E-21	8.73E-20	12.32	15.71	99.34	177.92 HSP90AA1	chr14	heat shock protein 90kDa alpha (cytosolic), class A member 1
ENSG00000234968.11	1.0313403	0.4682372	0.0000000	0.0000000	0.1	0.03	0.03	0.89 CTD-345H17 --	chr1	antisense
ENSG00000103227.17	2.23435631	3.98239556	3.54E-13	4.65E-12	1.83	1.55	10.71	10.56 LMF1	chr16	lipase maturation factor 1
ENSG00000101752.10	2.8747028	1.49880878	7.56E-15	1.15E-13	0.03	0.08	0.51	0.51 LMB1	chr18	limb1/endob 83 ubiquitin protein ligase 1
ENSG0000010557.14	1.7307447	3.8990351	8.76E-11	2.59E-07	6.81	6.81	0.55	4.55 MYH14	chr1	myosin, heavy chain 14, non-muscle
ENSG00000103453.10	1.8955108	1.07759562	1.45E-07	9.50E-07	0.19	0.32	1.26	1.24 ASTE1	chr1	asteroid homology 1 (Drosophila)
ENSG00000119929.11	1.653867	1.653867	1.05E-10	2.16E-09	0.19	0.19	0.19	0.83 CUTC1	chr10	CutC cooperates with CutC
ENSG00000164826.16	-1.2911768	6.7606888	8.07E-06	4.00E-05	25.92	26.97	11.81	17.08 SUN1	chr1	Sun1 and UNC59 domain containing 1
ENSG00000207902.1	8.8893782	-0.085973	2.39E-20	5.90E-19	0	0	33.41	21.79 SNORD41	chr19	small nucleolar RNA, C/D box 41
ENSG00000204003.7	1.739114	1.3217686	0.0020074	0.0030882	0.13	0.21	0	0.11 RP11-21H1 --	chr9	antisense
ENSG0000029793.1	-5.523229	-2.862669	0.0018808	0.0049521	0.06	0.06	0	0 RP11-400N9 --	chr1	antisense
ENSG00000108513.13	-4.7371347	7.32176148	7.50E-41	6.04E-39	35.08	35.32	2.96	1.95 STGAL3	chr1	STG beta-galactosidase alpha-2,3-sialyltransferase 1
ENSG00000182233.7	1.0315153	2.3888148	0.0017761	0.0018719	0.04	0.04	0.04	0.04 ZNF1	chr1	antisense
ENSG00000265303.1	1.52883328	0.52894552	6.81E-05	0.00028389	1.01	1.02	1.51	3.91 CTD-2510F5 --	chr17	antisense
ENSG00000162086.13	2.03511577	2.1322299	5.73E-10	5.16E-09	0.42	0.36	1.18	2.51 ZNF37A	chr16	zinc finger protein 75a
ENSG00000182795.12	1.0315153	2.3888148	0.0017761	0.0018719	0.04	0.04	0.04	0.04 CTD-111B	chr16	chromosome 1 open reading frame 116
ENSG00000208153.1	2.79456999	-2.2994901	0.0014589	0.00541921	0.02	0	0.11	0.11 RP11-878N2 --	chr16	antisense
ENSG00000103895.4	1.44119177	3.1096339	0.0000000	0.0000000	0.06	0.06	1.11	22. CCL	chr1	CCL protein oncogene, 83 ubiquitin protein ligase
ENSG00000102891.10	2.4055129	2.3692904	1.33E-13	1.82E-12	0.31	0.28	1.27	3.08 TW5G1	chr18	twisted actuation BMP signaling modulator 1
ENSG00000164548.18	1.4603196	2.9823362	0.000455	0.00262162	0.01	0.03	0.02	0.12 VASH2	chr2	vasohistin-2
ENSG00000188385.10	1.4603196	2.9823362	0.000455	0.00262162	0.0					

ENSG00000149970.13	6.1603826	-2.2802665	2.70E-05	0.0012094	0	0	0.07	CNCRS2	connector enhancer of kinase suppressor of Ras 2	chrX	protein_coding	
ENSG00000259463.3	2.6213356	-0.832694	3.04E-05	0.002148	0	0.01	2.49 RP1-261D10	---	chr14	antisense		
ENSG00000178173.13	2.17912678	-0.510717	8.25E-06	4.07E-05	0.02	0.01	0.15 LCOLR	ligand dependent nuclear receptor corepressor-like	chr14	protein_coding		
ENSG0000010367.14	4.2799496	1.1661876	5.60E-22	1.57E-20	0.02	0.17	0.66 EDCXS	exocyst complex component 5	chr14	protein_coding		
ENSG0000010104.10	1.12299467	6.8875133	0.00017	0.0004352	6.07	0.01	37.16 CCCC98	colicd-coiled coil domain containing 86	chr14	protein_coding		
ENSG00000239656.5	-4.688302	-0.321712	1.76E-15	2.94E-14	1.2	1.11	0.06 E0X	RP1-462L8 --	chr14	lncRNA		
ENSG0000045025.2	-1.743031	-0.452226	5.82E-05	0.0004531	0.34	0.42	0.01	0.28 RP1-87501 --	chr18	antisense		
ENSG00000175512.1	2.24540499	-2.1039184	0.0023116	0.0242959	0.1	0.15	0.09 RP1-3212E1	---	chr18	lncRNA		
ENSG00000105948.12	1.19309632	1.88757536	0.0002258	0.00048533	0.33	0.43	0.98	1.35 TTC26	tetrahydropterid repeat domain 26	chr17	protein_coding	
ENSG00000139493.9	2.68794908	2.6769844	4.46E-16	8.14E-15	0.29	0.31	0.20	3.13 CTGV	cathenin V	chr19	protein_coding	
ENSG0000055539.14	-0.853454	-0.0074442	0.0074442	0.0204577	0.2	0.15	0.01	0.01 SEMAG4	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G	chr16	protein_coding	
ENSG0000040986.7	5.9746286	-2.4149021	8.36E-05	0.0004062	0	0	0.16	0.07 RP1L3L	ribosomal protein L3L	chr16	protein_coding	
ENSG0000070081.4	2.4002053	3.9544141	1.11E-14	4.75E-13	0.15	1.59	6.61	12.76 NUCB2	nucleobindin 2	chr19	protein_coding	
ENSG00000105699.15	3.12462756	6.4762981	5.26E-24	1.68E-22	5.8	5.85	73.47	61.61 LSR	lysokins stimulated lipoprotein receptor	chr18	lncRNA	
ENSG00000263884.1	3.06343599	-2.0291067	0.0002605	0.00096399	0.03	0	0.14	0.18 RP11-70501 --	crotonolipid protein 2 (colonic epithelium-enriched)	chrX	protein_coding	
ENSG00000102007.9	-2.269668	8.871227	1.09E-05	2.05E-12	0.08	0.89	546.67	14.63 RP2	3.061 CTPase family protein	chr11	protein_coding	
ENSG00000168016.5	-3.021065	5.46393648	2.31E-22	6.64E-21	12.01	13.98	1.93	2.33 ABT2	anaphase repeat and BTB (POZ) domain containing 2	chr11	protein_coding	
ENSG00000197448.12	1.07239445	5.75384056	0.00019183	0.00076549	77.73	73.98	222.5	219.19 GSTK1	glutathione S-transferase kappa 1	chr17	protein_coding	
ENSG00000163007.7	6.564685	-2.3220103	8.95E-06	4.39E-05	0.18	0.15	0	0	1 TKT4	tdk4	chr2	protein_coding
ENSG00000169967.15	2.90047708	1.65416808	1.56E-15	2.61E-14	0.06	0.04	0.32	0.74 MAP3K2	mitogen-activated protein kinase kinase kinase 2	chr2	protein_coding	
ENSG00000198672.9	8.88696753	5.11166306	7.03E-29	4.43E-27	0.03	0.06	18.52	19.96 KIAA1211L	KIAA1211-like	chr2	protein_coding	
ENSG00000147677.9	-1.0517471	6.1178719	0.00026318	0.0003747	13.69	18.13	1.81	11.69 EF3H	eukaryotic translation initiation factor 3, subunit H	chr8	protein_coding	
ENSG00000181031.14	-2.1017841	2.0849922	1.82E-10	1.76E-09	1.81	1.87	0.03	0.52 RPH3AL	ratp3lin 3A-like (without C2 domains)	chr17	protein_coding	
ENSG00000444304.13	1.15183742	0.74079159	0.00140003	0.00446529	1.1	0.87	1.38	4 TRNB	TP53R binding protein	chr2	protein_coding	
ENSG00000233930.3	4.72703895	-3.141721	0.0188973	0.04519567	0	0	0.07	0.01 KETAPAS-AS1	KETAPAS-1/KETAPAS-2 antisense RNA 1	chr17	antisense	
ENSG00000134318.12	4.0803389	2.8153781	2.41E-29	1.08E-27	0.05	0.1	1.14	2.09 ROCK2	Rho-associated, coiled-coil containing protein kinase 2	chr17	protein_coding	
ENSG0000023835.4	-3.3212961	-2.7885037	0.00043694	0.02469951	0.34	0.09	0	0.04 LPH1-AS1	LPH1 antisense RNA 1 (head to head)	chr12	antisense	
ENSG00000189184.5	-5.069216	4.4442049	-5.069216	5.96E-44	4.43	4.64	0.1	0.2 MN1	meningioma (disrupted in balanced translocation) 1	chr22	protein_coding	
ENSG00000132485.11	1.02172173	3.29551329	0.00066865	0.00228173	1.47	1.83	2.93	6.06 ZRANB2	zinc finger, RAN-binding domain containing 2	chr17	protein_coding	
ENSG0000010228.11	0.10498364	0.8005492	1.45E-13	2.05E-12	0.08	0.08	0.89	0.63 RAB35	RAB35, member RAS-oncogene family	chr22	protein_coding	
ENSG00000167705.10	2.12082829	4.43990755	2.54E-12	3.06E-11	3.44	3.34	3.94	21.07 RILP	Rab interacting lysosomal protein	chr17	protein_coding	
ENSG00000157214.12	3.66067347	-1.59144	8.20E-06	4.05E-05	0	0.01	0.06	0.08 STEAP2	STEAP family member 2, metallothioneinase	chr7	protein_coding	
ENSG00000172752.5	7.31987163	1.3907382	4.48E-10	1.11E-09	0.12	0.03	0.33	0.87 HRAUSL5	HRAUSL5-like suppressor	chr19	protein_coding	
ENSG00000000419.11	1.23003252	4.37498372	2.92E-05	0.00013027	7.07	10.18	2.64	33.49 DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	chr20	protein_coding	
ENSG00000263307.1	5.27261161	-0.260399	0.0209502	0.00656312	0.01	0.08	0.46	0	0.11 RP11-16862	---	chr18	antisense
ENSG00000242515.4	0.52529893	2.0405916	2.14E-35	1.29E-33	0.01	0.08	0.06	2.19 UGT1A10	UDP glucuronosyltransferase 1 family, polypeptide A10	chr18	protein_coding	
ENSG00000185963.11	1.8509613	0.43886313	2.82E-06	1.52E-05	0.06	0.23	0.47	0.93 CDB	cydin-phosphatidyl-inositol-dependent kinase B	chr13	protein_coding	
ENSG00000241939.7	2.8313104	-0.1843661	3.81E-06	2.68E-15	0.12	0.12	0.38	16 HCAAI1	hydroxy-2-oxoglutarate aldolase 1	chr16	protein_coding	
ENSG00000119865.7	1.9777973	2.9885384	3.72E-10	3.46E-09	0.68	0.65	3.07	3.92 CNRIP1	carminaprotein interacting protein 1	chr16	protein_coding	
ENSG00000230438.6	-3.0209797	-0.1477375	5.21E-11	5.39E-10	0.78	1.07	0.12	0.18 SERPINF1	serpin peptidase inhibitor, domain 8 (ovalbumin), member 9, pseudogene 1	chr16	lncRNA	
ENSG0000018168.13	1.9201707	7.7836218	6.80E-10	6.07E-09	0.12	0.12	0.12	0.12 UNCL05	un-5 homolog C (C. elegans)	chr4	protein_coding	
ENSG00000102390.9	-3.7020023	1.57624072	3.72E-22	1.05E-20	3.18	4.29	0.37	0.39 PRDC1	pyruvate carboxylase biosynthesis domain containing 1	chr16	protein_coding	
ENSG0000059122.15	-1.2609946	0.33090097	1.33E-06	6.31E-05	19.39	17.1	10.77	9.49 RLYWCH1	RLYWCH-like zinc finger 1	chr16	protein_coding	
ENSG0000038944.9	1.14143065	0.00019441	0.00019441	0.00073758	0.32	0.38	0.38	0.85 ZNF394	zinc finger protein 394	chr22	antisense	
ENSG00000273076.1	2.60022538	-1.9342871	0.0017973	0.00556364	0	0.2	1	0.72 RP3-50815.1	---	chr22	antisense	
ENSG00000174013.7	1.73153031	2.40905125	5.56E-08	3.86E-07	0.6	0.29	1.31	1.59 RBK045	R-box protein 45	chr17	protein_coding	
ENSG00000151806.12	1.04002026	1.04002026	2.46E-08	0.0001369	0.13	0.12	0.04	0.19 GUPT	GUPT family homolog (S. cerevisiae)	chr17	protein_coding	
ENSG00000198855.5	2.1275706	1.84338902	1.60E-10	1.55E-09	0.18	0.38	1.46	1.17 PCD	PC domain containing	chr17	protein_coding	
ENSG00000161405.15	4.7981891	0.1251262	4.51E-11	1.51E-16	0.2	0.12	0.12	0.21 KZFB	KAROS family zinc finger 3 (Aicoli)	chr12	protein_coding	
ENSG00000254402.1	3.2324222	-0.141339	1.39E-10	1.37E-09	0.04	0.05	0.48	0.65 AP00062.4	---	chr11	sense_intronic	
ENSG0000011485.13	-1.1666437	8.718662	5.02E-05	0.0002143	231.54	216.21	136.63	130.03 PPP3C	protein phosphatase 5, catalytic subunit	chr19	protein_coding	
ENSG0000026840.4	1.926107	2.87866218	6.80E-10	6.07E-09	1.83	1.12	0.12	0.82 CTD-2521M	---	chr19	lncRNA	
ENSG00000136997.13	-3.2801382	7.20848149	4.44E-26	1.64E-24	71.89	72.84	9.48	10.39 MYC	v-myc avian myelocytomatous viral oncogene homolog	chr10	protein_coding	
ENSG00000256855.5	-7.4624228	-1.4457573	1.84E-10	1.77E-09	0.24	0.22	0	0	0 ZNF350	zinc finger protein 350	chr19	protein_coding
ENSG00000168488.7	1.0737518	1.0737518	1.0737518	1.0737518	10.4	10.4	10.4	75.39 ATAD3A	ATAD3 family, AAA domain containing 3A	chr19	protein_coding	
ENSG00000140497.15	1.23273732	5.22739309	2.30E-05	0.00010461	6.92	7.78	2.492	20.98 SCAMP2	secretory carrier membrane protein 2	chr15	protein_coding	
ENSG00000277728.3	3.8712652	-1.214597	8.40E-05	0.00039145	0	0.02	0.2	0.17 TARDBP	TAR DNA binding protein	chr1	protein_coding	
ENSG00000263152.1	0.57763328	-2.7695282	0.0047781	0.00167191	0.13	0.12	0.04	0	0 UNCL00602	long interspersed non-protein coding RNA 602	chr1	antisense
ENSG00000254243.1	6.6682088	-1.9087382	6.25E-07	0.732E-06	0	0	0.23	0.26 EBN2	embryonic Bonavirus-like nucleoprotein 2	chr3	protein_coding	
ENSG00000163138.15	2.9166515	-1.572572	0.010362	0.02630329	7.58	6.61	1.21	1.35 ANKRD1	ankyrin repeat and sterile alpha motif domain containing 6	chr19	protein_coding	
ENSG0000059673.14	1.19530134	4.71102222	4.36E-05	0.00018907	1.29	1.74	4.36	4.89 C23H1A	zinc finger CCHC-type containing 11A	chr1	protein_coding	
ENSG00000239663.2	7.348517	-1.5431557	7.05E-10	6.28E-09	0.07	0.07	0	0	0 CTD-23452	---	chr1	antisense
ENSG00000137088.12	-2.5408169	1.572572	4.51E-11	9.01E-05	0.05	0.05	0.05	0.03 SPAG8	spERM associated antigen 8	chr9	protein_coding	
ENSG00000167766.17	2.23417531	1.85947138	5.72E-11	5.89E-10	0.09	0.22	0.54	1.38 ZNF83	zinc finger protein 83	chr19	protein_coding	
ENSG00000273486.1	4.1434817	-1.1548203	1.13E-05	5.42E-05	0.02	0	0.15	0.31 RP11-731C1 --	---	chr1	antisense	
ENSG00000254338.1	5.4046937	2.1671824	1.33E-05	0.00021369	0.13	0.04	0.04	0.08 CTD-25894	---	chr19	lncRNA	
ENSG0000023537.2	-5.474398	-0.0412647	1.22E-16	2.23E-15	0.16	0.25	0.01	0	0 PCDHGA7	protocadherin gamma family A7	chr5	protein_coding
ENSG00000129033.14	3.9914294	2.08476115	1.29E-20	3.25E-19	0.04	0.03	0.41	0.52 VPS3C	vacuolar protein sorting 13, homolog C (S. cerevisiae)	chr15	protein_coding	
ENSG00000145984.12	1.46730658	-1.525722	0.010362	0.02630329	7.58	6.61	1.21	0.35 ARHDI1	arh domain containing 1	chr1	protein_coding	
ENSG00000164327.11	3.17989024	1.737323	1.76E-17	3.47E-16	0.04	0.06	0.38	0.81 RICTOR	RICTOR independent component of mTORC, complex 2	chr5	protein_coding	
ENSG0000013689.15	1.15340933	5.5618036	6.99E-05	0.00029249	2.85	2.06	1.22	7.37 HELZ2	helix zinc finger 2, transcriptional coactivator	chr20	protein_coding	
ENSG00000145916.7	1.9379665	1.9379665	3.96E-11	5.07E-13	0.13	0.12	0.17	7.76 WNT9A	wingless-type MMV integration site family, member 9A	chr1	protein_coding	
ENSG0000021104.6	6.61967026	1.88235775	1.07E-37	7.15E-36	0.02	0.02	3.1	3.09 FAM117A	family with sequence similarity 117, member A	chr17	protein_coding	
ENSG0000013452.18	0.012867	-1.572572	4.51E-11	9.01E-05	0.05	0.05	0.05	0.56 LEST1	leukemia E6 fusion transcript 1	chr17	protein_coding	
ENSG00000237976.1	1.37024287	-1.0836347	0.0122403	0.03060662	0.35	0.23	0.67	1.32 RP11-126K1	---	chr1	antisense	
ENSG00000102981.8	2.1839453	1.88185245	1.14E-10	1.13E-09	0.89	0.76	5.47	4.54 PAR6D6	par-6 family cell polarity regulator alpha	chr16	protein_coding	
ENSG0000022496.12	0.1013883	3.2423694	0.0001944	0.0023967	2.9	2.64	0.66	0.18 RP11-517F6	---	chr1	protein_coding	
ENSG00000128311.5	5.06203318	-2.9716376	0.010405	0.02582742	0	0	0.07	0.07 TXLINB	TXLINB	chr10	protein_coding	
ENSG00000196128.9	7.09975508	1.44788259	6.72E-35	3.91E-33	0	0.04	1.62	3.95 HLA-DRB1	major histocompatibility complex, class II, DR beta 1	chr6	protein_coding	
ENSG00000164888.7	1.505555	7.84988887	1.07E-05	0.0001369	56.7	34.92	0.42	30.17 ATAD1	ataxin 1-like domain containing 1	chr16	protein_coding	
ENSG00000168733.11	-1.2656626	0.05226385	0.00149552	0.00471519	0.37	0.28	0.1	0.16 LINGO1	leucine rich repeat and Ig domain containing 1	chr15	protein_coding	
ENSG00000198697.4	1.111298	1.64549983	1.09E-06	6.20E-06	1.73	1.93	0.71	0.88 C10L4	chromatin component 1, a subcomponent-like 4	chr12	protein_coding	

ENSG0000023931.4 8.14272985 -0.6721839 4.35E-14 6.30E-13 0 0 0 0.67 LINC00342 long intergenic non-protein coding RNA 342
ENSG00000239291.1 0.00575175 -2.122527 1.02E-06 6.0E-05 0.11 0.01 0.2 0 RP11-150J01 --
ENSG0000047168.11 -1.8341332 -0.0827609 1.07E-05 5.16E-05 1.06 0.42 0.29 027 LRK2G interleukin 2 receptor, gamma chain
ENSG00000238786.1 247110292 -0.1942084 8.27E-08 5.70E-07 0.22 0.32 2.6 141 RP11-649A01 --
ENSG00000168803.13 32175122 1.8181174 1.27E-05 1.32E-06 1.12 0.44 0.2 017 FAM212B antisense RNA 5
ENSG0000025276.1 6.6271731 -1.945154 6.29E-07 3.72E-06 0 0 0 11 RRM1-AS1 RRM1 antisense RNA 1
ENSG0000016889.4 -1.584549 0.0684507 0.0011265 0.0004408 1.71 1.81 0.93 087 VAMP5 vesicle-associated membrane protein 5
ENSG00000227811.2 1.1352788 0.0404388 0.0138678 0.0138678 0.09 0.09 0.12 037 FAM212B antisense RNA 5
ENSG0000018035.9 -1.26582 5.0853442 1.41E-16 6.68E-05 10.12 11.2 0.95 585 ZNF48 zinc finger protein 48
ENSG0000027424.1 -6.645897 -2.1103563 1.05E-06 6.02E-06 0.61 0.71 0.43 0 C17A-23H9.1 --
ENSG0000017698.16 1.55164432 1.0414457 0.001051 0.00042187 0.17 0.21 0.08 081 ARL1 arylglycerol ether phosphatase 1
ENSG0000079337.14 -6.0127459 385992526 8.04E-53 1.33E-50 2.42 2.76 0.06 005 RABGEF3 Rap guanine nucleotide exchange factor (GEF) 3
ENSG0000027296.1 4.9099898 -1.2560165 9.32E-07 5.05E-07 0.17 0.15 0.14 015 RP3-405J01 --
ENSG0000016463.11 3.1318625 -0.2254758 6.27E-10 5.63E-09 0.02 0.01 0.11 023 CREBRF CREBB3 regulatory factor
ENSG00000134569.8 -1.8978365 48730874 1.92E-10 1.85E-09 4.46 4.48 0.01 163 LRPA long density lipoprotein receptor-related protein 4
ENSG0000010389.13 1.2086468 2.97823525 7.05E-06 9.20E-02 1.23 1.74 4.68 443 ELMO3 ena and cdc1201
ENSG00000157259.6 0.07005184 3.76683846 0.0003709 0.0011716 2.02 2.18 0.21 658 GATAD1 GATA zinc finger domain containing 1
ENSG0000027507.1 1.79818704 1.40558697 2.00E-07 1.29E-06 0.15 0.17 0.85 062 RP11-150J01 --
ENSG0000017261.8 7.7471595 1.2961932 6.01E-12 6.93E-11 0.07 0.15 0 0 LRRC15 leucine rich repeat containing 15
ENSG00000163848.17 349786466 1.0414625 7.68E-19 1.69E-17 0.04 0.03 0.46 057 ZNF148 zinc finger protein 148
ENSG0000017457.3 1.8631947 2.7449665 3.55E-09 2.90E-08 0.42 0.53 1.8 283 MSU2 male-specific lethal 2 homolog (Drosophila)
ENSG00000277200.1 2.6125327 -2.8400256 0.0523173 0.0483895 0.08 0.02 0.02 0 RP11-742Z01 --
ENSG00000164542.11 2.16589548 -0.022613 7.83E-07 2.48E-07 0.03 0.05 0.16 032 KIAA0895 KIAA0895
ENSG0000014127.9 3.8504859 0.9775949 9.88E-11 5.26E-17 0.03 0.01 0.28 041 RRM1 5'-3' exonuclease 1
ENSG00000161544.8 3.3084212 -0.3991727 1.04E-09 9.04E-09 0 0 0 048 CUGBP cytoplasmic
ENSG0000018907.12 9.94074378 4.75947298 4.99E-81 3.42E-78 0.01 0.03 29.41 2452 VTN vitronectin
ENSG0000010389.13 1.6974622 6.3201273 1.95E-09 3.56E-08 13.81 15.69 5.21 703 TSC2D1 TSC22 domain family, member 1
ENSG00000188342.10 107190177 2.27004177 0.0006513 0.00222977 0.49 1.73 2.19 403 GTF2F2 general transcription factor, II, polypeptide 2, 30kDa
ENSG00000162542.12 4.09283183 0.74476242 6.63E-19 1.48E-17 0.01 0.02 0.29 028 REL v-rel avian reticuloendotheliosis virus oncoprotein homolog
ENSG0000013446.7 1.329429 3.6689213 6.92E-06 9.98E-06 16.37 14.13 8.06 14 SPAL1
ENSG0000010795.7 2.14054805 1.34847687 1.50E-09 1.28E-08 0.1 0.11 0.49 075 RABGEF2 Rap guanine nucleotide exchange factor (GEF) 2
ENSG0000015217.15 -9.2152067 0.17699174 1.59E-24 5.30E-23 0.17 0.16 0 0 SETBP1 SET binding protein 1
ENSG00000126719.1 4.8989381 -3.0561133 0.0889063 0.0451857 0.07 0.04 0.04 004 RP11-159H18 --
ENSG0000015311.11 -1.644927 -0.6959825 0.00042865 0.00015894 0.11 0.05 0.03 004 CDH6 cadherin 6, type 2, K-cadherin (fetal kidney)
ENSG00000153790.1 1.7839284 0.7179966 0.0010606 0.0004253 0.03 0.03 0.3 032 CTNBL3 chromosome 7 open reading frame 31
ENSG0000024067.6 1.2526931 0.0791876 1.47E-09 5.52E-22 0.19 0.15 0 0 SPB22 SC-like with four mitr domains 2
ENSG00000130207.3 303022471 0.5783872 8.63E-12 9.76E-11 0.04 0.05 0.46 048 ZNF611 zinc finger protein 611
ENSG0000028095.6 1.463929 2.8542079 0.00000000 0.00000000 0.12 0.12 0.42 819 ZSABR9 proteasome (prosome, macropain) subunit, beta type, 9
ENSG0000013993.5 2.23630613 -0.469451 3.89E-06 2.04E-05 0.08 0.03 0.23 048 ALG10 ALG10, alpha-1,2-glucosyltransferase
ENSG0000013584.9 1.22289508 1.47181053 0.00021399 0.00069549 0.29 0.02 0.73 079 ZBTB46 zinc finger and BTB domain containing 46
ENSG0000014115.15 4.52226 1.696466 4.71E-15 6.66E-06 0.01 0.01 0.2 484 THSLD2 thymocyte-specific leucine-rich repeat domain containing 2
ENSG0000015943.12 1.81757579 1.05831499 3.01E-08 2.15E-07 0.13 0.29 0.78 121 ORC4 origin recognition complex, subunit 4
ENSG0000046089.3 -1.9624798 1.7588929 3.98E-09 3.24E-08 1.46 1.5 0.05 046 RP11-115CZ --
ENSG0000021776.9 3.7534616 4.18837472 1.21E-07 8.84E-07 0.07 0.08 2.73 321 ACR8 aquarius intron-binding splicingfactor
ENSG000004628.5 -7.095607 -1.758715 1.16E-08 8.76E-08 0.11 0.24 0 0 CASC8 cancer susceptibility candidate 8 (non-protein coding)
ENSG00000238429 1.2653701 1.4120381 0.00017745 0.00070659 1.13 0.98 3.21 357 PFD ATP synthase (F1) subunit 6
ENSG0000017524.13 1.3317683 0.19719 1.97E-19 4.54E-07 0.07 0.08 0.4 078 ATRF1 ATRF and PZD domain containing 1
ENSG0000074960.18 5.97010963 2.4417479 8.84E-05 0.00034052 0 0 0.06 003 FRMPD1 FERM and PZD domain containing 1
ENSG0000018546.10 1.46397586 3.3358923 0.00000000 0.00000000 0.01 0.01 0.2 299 PNB1A AMP response element binding protein 2
ENSG0000018260.13 1.41048259 1.55452776 2.56E-05 0.00011523 0.11 0.22 0.44 071 RERL1 AMP response element binding protein 2
ENSG0000073926.5 2.14135787 1.42248008 1.34E-09 1.15E-08 0.17 0.18 0.14 115 088 3-Mar membrane-associated ring finger (CHC4) 3, E3 ubiquitin protein ligase
ENSG0000014127.13 1.62680297 0.00000000 0.00000000 0.00000000 2.17 2.32 7.02 1137 RRP25A ribonuclease P, subunit 5
ENSG0000023123.9 -2.2186603 -0.6129171 2.53E-06 1.37E-05 1.19 1.26 0.25 045 CTXK1D2 Ctxk1 domain containing 2
ENSG0000019753.1 -1.506015 -0.065979 0.00028988 0.0105871 17.96 13.36 6.86 778 SNOHD104 small nuclear RNA, C/D box 104
ENSG00000180015.6 2.0718142 0.0130386 0.03477346 0.01 0.01 0.3 001 CA13 carbonic dehydratase XII
ENSG0000018171.15 1.1660985 2.28062667 0.00021888 0.00081477 0.3 0.43 0.71 147 SCP2 sterol carrier protein 2
ENSG0000012526.13 1.1281029 1.60022213 0.0006127 0.00210918 0.68 0.47 1.41 197 NSG52 insulin induced gene 2
ENSG0000017595.14 3.848511 2.388366 8.84E-06 0.00034052 0.01 0.01 0.3 012 ZNF225 zinc finger protein 225
ENSG0000017819.12 -1.6689676 2.7234904 5.24E-26 1.92E-24 1.68 1.77 0.16 02 PAQR5 progestin and androQ receptor family member V
ENSG0000017595.14 1.6991484 1.6561305 0.00000000 0.00000000 484.42 210.29 210.29 210.29 ZNF213 ZNF213
ENSG0000026990.2 2.6377892 -2.176959 0.0050654 0.0152094 0 0.02 0.03 02 RP11-228H13 --
ENSG0000015453.12 3.811697 5.94221362 2.09E-08 1.52E-07 33.81 33.97 14.85 1399 APM1 acetylerylenolase O-methyltransferase-like
ENSG0000018701.13 -7.9601882 1.94306132 3.05E-46 3.43E-44 2.13 2.96 0 0 NCF2 neurokinin cytosolic factor 2
ENSG00000194216.10 -0.263891 9.8304671 2.67E-12 3.02E-11 333.95 301.25 100.77 10177 RAK1 interleukin 1 receptor-associated kinase 1
ENSG0000046768.11 1.3549776 2.061461 1.76E-06 1.05E-05 1.18 0.29 0.13 013 RRP13A1 ribonuclease P, subunit 3A
ENSG0000021093.1 -3.313687 -2.795589 0.0043894 0.02469931 2.14 0 0.26 0 SNOART7 small nuclear RNA, H/ACA box 77
ENSG0000016801.10 4.33011328 -1.0518339 6.30E-09 4.98E-08 0.01 0.01 0.16 045 CDDC126 coiled-coil domain containing 126
ENSG00000159175.17 1.2358614 3.2883263 1.75E-06 2.26E-05 0.09 0.25 0.3 219 TMEM423 transmembrane protein 23
ENSG0000017459.5 -5.6565858 -2.783992 0.0008568 0.0028128 0.09 0.06 0 0 TRAM1L1 translocation-associated membrane protein 1-like 1
ENSG0000010559.1 1.9473469 1.85111738 6.22E-09 4.52E-08 0.77 0.57 3.23 366 RASD1 RAS, desmethionine-induced 1
ENSG00000254863.15 3.616357 1.8076493 1.97E-06 3.09E-07 1.84 1.94 0.4 184 GAL4 galactose 4-epimerase
ENSG0000026149.1 3.39014446 -2.4342036 0.0019023 0.00894723 0 0.01 0.02 011 RP11-446G1 --
ENSG0000012218.8 1.6253111 -1.8224941 0.00000000 0.00000000 0.01 0.01 0.08 026 GRP93 G protein-coupled receptor 63
ENSG0000021854.6 3.58952926 -2.368871 0.0003832 0.00140265 0 0.01 0.08 006 LRRC4 leucine rich repeat containing 4
ENSG00000134463.13 10.044905 4.03872903 5.32E-75 2.77E-72 18.12 14.23 0.04 0 ECHOC3 enoyl CoA hydratase domain containing 3
ENSG0000023297.3 2.86168 2.587724 0.010923 0.00584723 0.12 0.02 0.44 012 CCL22 C-C motif ligand 27
ENSG0000027470.1 2.0798147 0.379546 2.30E-07 1.46E-06 0.03 0.26 0 0 RP11-34F20 --
ENSG0000015482.15 -1.2443925 4.655844 1.29E-06 7.28E-06 5.65 6.4 3.16 281 TCER1 transcription elongation factor (B) SII, polypeptide 1 (15kDa, elongin C)
ENSG0000017766.14 1.785886 1.881401 1.09E-06 1.10E-05 0.67 0.63 0.21 2431 PNR1A2 protein kinase, domain containing 2
ENSG000009370.18 1.34609062 -1.0113928 0.00917505 0.0241697 0.06 0.03 0.12 01 SH2D3C SH2 domain containing 3C
ENSG0000016825.12 -11.164362 8.6466478 1.99E-129 1.59E-125 172.46 178.9 0.13 007 ANRP6 arylamidase related aminocyclotriase
ENSG0000017453.6 0.0947819 1.43131 4.31E-10 4.31E-10 0 0.1 0.1 033 NMMLK1 NM1 serine/threonine protein kinase
ENSG0000074317.9 6.04022639 2.3981409 8.36E-05 0.00034052 0 0 0.16 017 SDCB synendrin, beta
ENSG0000025437.7 1.82929025 3.1279859 0.00000000 0.00000000 0.1 0.36 0.1 066 SPAT45 spermatogenesis associated 5
ENSG0000018837.13 -1.7292191 3.1867309 1.86E-08 1.37E-07 4.67 4.23 2.12 145 P29 zona pellucida glycoprotein 3 (apern receptor)
ENSG0000022657.1 1.86989634 -1.068158 0.0009149 0.00303221 1.11 2.76 11.22 794 SNOHD57 small nuclear RNA, C/D box 57
ENSG0000025687.5 0.4358926 2.092632 2.97E-05 0.00012385 0.44 0.37 0.17 216 ZNF432 zinc finger protein 432
ENSG0000017159.14 -2.2566697 3.2382533 4.29E-12 5.01E-11 1.03 1.2 0.36 026 FRMP1 FERM domain containing 3
ENSG0000017027.13 -2.4758137 1.48181787 1.88E-12 2.30E-11 0.29 0.33 0.07 008 KIAA1549L KIAA1549-like 2
ENSG0000020254.9 1.4949491 3.8117819 0.0045484 0.0116026 1.47 2.26 0.26 233 TMEM423 transmembrane protein 231
ENSG0000017425.9 1.46560163 3.58833538 1.14E-06 6.47E-06 0.43 0 0.7 267 PAWR PRKC, apoptosis, WT1, regulator
ENSG0000013011.7 5.4507274 -2.7484288 0.0015808 0.00495521 0.07 0 0.02 077 HNSL2 HNS-like 2
ENSG0000016447.16 1.7446619 4.13185294 6.01E-09 4.78E-08 1.73 1.73 0.17 045 TNKS2 telomerase Xb
ENSG0000018118.14 1.11930314 2.6765157 0.0027482 0.0010781 0.33 0.46 0.95 133 CSNK1G1 casein kinase 1, gamma 1
ENSG0000012897.14 1.163381 1.7477784 1.44E-07 2.15E-07 0.33 0.33 0.13 071 TMEM50A transmembrane protein 50A
ENSG0000023967.6 -1.458404 8.6487584 4.84E-07 2.93E-06 268.2 213.77 118.8 11502 NMEL1 NMEN/ME2 nucleoside diphosphate kinase 1
ENSG00000145416.12 -5.3742332 -2.946728 0.0290522 0.00856312 0.02 0.02 0 0 0 1-Mar membrane-associated ring finger (CHC4) 1, E3 ubiquitin protein ligase
ENSG0000023423.11 0.2861839 0.7418822 2.00E-06 6.47E-07 0.57 0.54 0.1 053 KCHN1A1 KCHN1 intronic transcript 1
ENSG0000042619.4 -6.5075175 -2.212527 3.03E-06 1.62E-05 0.08 0.09 0 0 PAD03 peptidyl arginine deiminase, type III
ENSG00000258137.4 -5.5249898 -2.861856 0.0005888 0.00495521 0.09 0.21 0 0 RP11-753H1 --
ENSG0000023194.7 3.9407355 2.4158472 1.701E-10 9.29E-09 0.16 0.16 0.1 017 PPP1R3B protein phosphatase 1, regulatory subunit 3B
ENSG0000016407.11 2.3770096 3.6134462 2.76E-14 4.10E-13 0.8 0.52 4.8 439 MST1R macrophage stimulating 1 receptor
ENSG0000013843.15 2.1201336 3.5235326 7.07E-12 8.05E-11 0.59 0.71 2.68 495 SFA2 sperin specific antigen 2
ENSG0000013807.9 1.6317929 1.64683389 2.42E-05 0.0001088 0.01 0.01 0.46 012 ZNF189 zinc finger protein 189
ENSG0000013998.13 1.6763717 2.57329044 1.16E-07 7.74E-07 0.35 0.85 2.6 247 RAB15 RAB15, sperm specific antigen 2
ENSG0000013459.7 1.919099 1.333843 4.06E-06 2.12E-05 0.12 0.18 0.6 11 SLC5A5 solute carrier family 35, member A5
ENSG0000017435.11 1.9258516 1.42961536 1.29E-06 1.03E-05 0.08 0.14 0.08 118 RAB12 RAB12, small GTPase family 1, group D, member 2
ENSG0000012288.11 1.34538921 4.07806813 5.84E-06 2.96E-05 2.89 2.25 7.88 994 PAH41 poly(A)-hydroxylase, alpha polypeptide 1
ENSG0000023386.9 5.1570205 0.00000000 0.00000000 0.00000000 0.5 0.7 0.1 005 ARHGAP10 ARHGAP10, GTPase-activating protein 10
ENSG0000015430.11 8.50015883 -0.356803 6.57E-17 1.23E-15 0 0 0.34 045 PGM5 phosphocholyltransferase 5
ENSG0000027509.1 -2.624084 -2.645415 0.00552196 0.01522223 0.22 0.05 0.01 005 RP11-421M1 --
ENSG0000016289.9 1.0103788 1.0533246 1.02E-06 6.93E-06 0.01 0.02 0.1 010 LR2 leucine-rich repeat domain containing 2
ENSG0000013030.8 8.9552119 -2.4689818 0.00014842 0.00057423 0 0 0.12 003 CACR2A calcium release activated channel regulator 2A
ENSG0000027987.2 5.60914027 -2.654552 0.0004761 0.00167191 0 0 0.02 002 LINC01126 long intergenic non-protein coding RNA 1126
ENSG0000015710.10 1.63489174 4.85E-05 1.32E-05 1.13 1.1 0.1 017 SPANL1 tetraspanin 1
ENSG0000023390.2 1.0989546 -0.668128 0.02038174 0.0423885 0.26 2.17 0.9 29 ZNF851.4 --
ENSG0000013181.16 3.877173 -0.352004 5.51E-12 6.39E-11 0.03 0.03 0.4 005 EDC1 endothelial acid induced 2
ENSG0000017040.16 -4.2182524 -0.228042 2.25E-15 3.83E-14 0.03 0.03 0.1 005 EDN1 endothelin 1
ENSG0000015171.17 2.3642369 2.97934365 1.46E-13 1.99E-12 0.33 0.49 1.88 377 ZMYND11 zinc finger, MYND-type containing 11
ENSG0000024200.5 1.9421391 0.1449685 1.98E-07 2.7E-06 0.54 0.16 0.48 088 RP11-378F4 --
ENSG0000022602.9 1.14341949 -0.7801409 0.00340877 0.00991568 0.07 0.07 0.2 029 RPA-78A10.1 --
ENSG0000023675.4 7.06681771 -1.59382 7.81E-09 5.62E-08 0 0 0.26 029 AC009013.3 --
ENSG0000016872.8 2.9042005 -2.7238075 0.0043981 0.02468949 0.04 0.01 0.1 0 GRIK3 glutamate receptor, ionotropic, kainate 3
ENSG000002367.2 -2.6256661 -1.5270823 6.51E-05 0.00027249 0.51 0.06 0.07 006 RP11-26AB1 --
ENSG0000010306.1 2.4803157 4.6633869 5.95E-16 1.03E-14 1.41 1.82 12.64 1137 ESRP2 epithelial splicing regulatory protein 2
ENSG0000013097.15 2.4839207 -2.404448 0.0077015 0.01377884 0.05 0.12 0.14 003 PCOLCE phospholipase C, epsilon (DNA directed)
ENSG0000024000.1 4.87917439 -3.067869 0.0188873 0.04519557 0 0 0 0 RP11-200A1 --
ENSG0000019714.9 6.9672829 -1.882574 3.73E-07 2.30E-06 0 0 0.02 02 GPR98 G protein-coupled receptor 68
ENSG0000027452.1 3.139633 2.6266272 0.00000000 0.00000000 0.06 0.06 0.1 88 RP5-115E3.1 --
ENSG0000016609.13 22.079923 1.12610947 6.82E-10 6.90E-09 0.31 0.3 0.23 157 ATP6V1B1 ATPase, H+ transporting, isoform 56/58kDa, V1 subunit B1
ENSG0000013792.13 2.2877363 1.5706068 1.03E-06 1.37E-06 0.08 0.08 0.2 125 RBT RBT, small GTPase family 1, group D, member 2
ENSG0000016851.16 1.7592317 3.93799174 1.83E-11 6.9E-10 35.4 28.6 11.6 1073 GINS1 glycerol inducible 3 (beta, meido)
ENSG0000021270.10 1.14374474 0.7993205 7.09E-05 0.00029385 0.3 0.53 0.12 014 RECK reversion-inducing-cysteine-rich protein with kazal motifs
ENSG0000027449.1 3.3942655 -0.514572 1.95E-11 9.1E-10 0.83 1.11 0.01 011 RP3-395M2 --
ENSG0000018308.11 1.5837784 2.76190026 3.79E-07 2.34E-06 0.39 0.63 2.15 186 GDRGPI GDP-D-glucose phosphorilase 1
ENSG0000013867.9 1.3024129 2.14569398 4.45E-05 0.00019373 1.11 1.16 3.5 397 SLC12A2 solute carrier family 13 (copper transporter), member 2
ENSG0000013292.10 2.7187825 3.0487442 2.86E-10 2.24E-09 0 0.26 0.13 113 VSTML1 vesicle trafficking modulator 1
ENSG0000013449.12 -1.0482178 2.99505046 0.0004412 0.00189066 3.2 2.45 2.32 231 TMEM421 transmembrane protein 241
ENSG0000026079.2 2.39261217 -0.161008 2.77E-07 1.73E-06 0.03 0.18 0.01 055 RP5-882C2.2 --
ENSG0000023017.5 1.0304248 2.6562433 0.0043894 0.02468921 0.04 0.01 0.1 008 AS44829.2 --
ENSG00000119514.6 -2.0400849 -2.128309 0.0061421 0.01678995 0.08 0.09 0 005 GALNT12 polypeptide N-acetylglucosaminyltransferase 12
ENSG0000014842.15 2.6523634 0.21571516 1.68E-09 1.44E-08 0.13 0.1 0.46 15 GLAN1 glutamine 19 open reading frame 33
ENSG0000016744.10 -1.634801 1.844

ENSG0000080707.10	-1.0654649	751.295626	0.00021033	0.00079194	101.57	88.23	0.11	59.78	TRIP6	thyroid hormone receptor interactor 6	chr7	protein_coding
ENSG0000080802.1	-0.9437013	-0.8540328	1.70E-16	1.0E-15	0.4	0.44	0.1	0	CTD-202421	CTD-202421	chr7	lncRNA
ENSG0000075783.1	5.46945885	-2.7387023	0.0018008	0.0049521	0	0	1.07	0.91	FP236383.5	mRNA	chr21	mRNA
ENSG0000018887.14	-5.6764839	1.16227789	8.97E-30	4.10E-28	1.59	1.97	0.06	0.03	MP2	myelin protein zero	chr7	protein_coding
ENSG0000060877.1	-2.4717321	-2.1147493	0.0017351	0.0001306	0.3	0.57	0.04	0.07	RP11-221621	RP11-221621	chr11	lncRNA
ENSG0000024964.1	5.4645977	-2.7413886	0.0018008	0.0049521	0	0	0.34	0.04	RP11-28801	RP11-28801	chr18	lncRNA
ENSG0000018032.19	2.1552047	2.7039542	1.70E-11	1.88E-10	0.36	0.35	1.72	2.51	PFM18	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent, 18	chr2	protein_coding
ENSG0000015365.1	2.9554497	-2.0718498	0.0018074	0.0058243	0.38	0.57	0.04	0.14	RP11-332215	RP11-332215	chr5	lncRNA
ENSG00000164251.4	1.86451	0.7813657	6.28E-07	3.73E-06	0.13	0.26	0.97	0.93	FZRL1	coagulation factor II (thrombin) receptor-like 1	chr5	protein_coding
ENSG0000015396.15	1.4792567	2.5945439	2.32E-06	1.27E-05	0.42	0.28	0.93	1.69	HCS21	heparan sulfate 2-O-sulfotransferase 1	chr9	protein_coding
ENSG0000022786.18	4.5929657	4.5929657	7.74E-01	6.02E-08	1.57	0.41	0.04	7.98	CALD1	caldesmon	chr7	protein_coding
ENSG0000008773.13	2.5762952	0.96367071	2.46E-11	2.63E-10	0.04	0.04	0.22	0.4	ADAM22	ADAM metalloproteinase domain 22	chr7	protein_coding
ENSG0000013214.12	1.79227752	-0.8642871	7.40E-09	4.48E-11	0.03	0	0.41	0.99	CTRB	chaperonin containing TCP1, subunit 8B (beta 2)	chr17	protein_coding
ENSG00000221909.2	1.9918374	-0.4646058	6.23E-05	0.00026157	0.08	0.07	0.12	0.65	FAM200A	family with sequence similarity 200, member A	chr7	protein_coding
ENSG00000272217.1	6.03134248	-2.373212	8.36E-05	0.00034052	0	0	0.32	0.55	Xbaec-2P1G2	family with sequence similarity 200, member A	chr7	lncRNA
ENSG00000215018.9	3.0011668	2.8722499	0.0043844	0.02469031	0.01	7.04	0.03	0.05	COL3A1	collagen, type XVIII, alpha 1	chr7	protein_coding
ENSG00000265967.1	-5.3733592	-2.9472019	0.00290522	0.00856312	0.29	0.15	0	--	AC100830.4	--	chr19	antisense
ENSG00000148346.10	-1.03959371	2.42531572	1.11E-19	2.60E-18	5.83	9.94	1.12	1.12	LCN2	lipocalin 2	chr5	protein_coding
ENSG00000166333.18	1.9847875	5.7076074	1.69E-06	9.45E-06	1.9	2.1	7.8	6.14	NANV2	neuron navigator 2	chr16	protein_coding
ENSG00000104976.10	-1.0848489	4.6862633	0.0001986	0.0007508	15.74	18.51	11.38	10.09	SNAPC2	small nuclear RNA activator complex, polypeptide 2, 45kDa	chr19	protein_coding
ENSG0000015750.15	3.30345321	0.4960372	5.69E-14	8.14E-13	0.13	0.02	0.85	1.25	YAF18	TATA box binding protein (TBP)-associated factor, RNA polymerase I, B, 63kDa	chr19	protein_coding
ENSG00000184441.4	4.9302098	3.2289176	8.40E-39	6.00E-37	0.15	0.07	4.65	4.19	AP001052.7	--	chr1	antisense
ENSG00000126709.13	1.6989505	5.51111022	7.80E-09	6.06E-08	20.01	20.12	90.88	82.42	IF6	interferon, alpha-inducible protein 6	chr1	protein_coding
ENSG0000043375.13	3.2538894	1.7534549	1.76E-23	5.47E-22	0.44	0.52	0.72	4.4	CGN	cuticular	chr2	protein_coding
ENSG00000121864.8	2.40171484	1.7196427	8.01E-11	1.03E-10	0.03	0.5	0.72	0.82	DNFB39	zinc finger protein 639	chr2	protein_coding
ENSG00000207697.11	1.27321211	2.88729426	3.21E-05	0.00014208	1.45	1.79	3.5	6.99	FNCR1	interferon gamma receptor 1	chr2	protein_coding
ENSG00000171634.15	2.808275	4.0308127	5.67E-19	2.7E-17	0.21	0.28	2.32	3.16	PTP	broctodomain PTP finger transcription factor	chr17	protein_coding
ENSG00000153310.17	1.0221895	3.48231201	0.00518674	0.00196697	1.17	1.52	0.66	4.69	FAM49B	family with sequence similarity 49, member B	chr6	protein_coding
ENSG00000081721.10	-1.0717759	3.83790167	0.00017905	0.00068195	12.99	11.85	7.21	8.17	DUSP12	dual specificity phosphatase 12	chr7	protein_coding
ENSG0000026380.6	0.0256946	0.0188949	4.62E-14	6.87E-13	0.04	0.03	0.35	0.23	AC068781.1	--	chr7	lncRNA
ENSG00000152133.13	2.76880712	1.6072993	1.72E-14	2.61E-13	0.14	0.17	0.91	1.93	GPATCH11	G patch domain containing 11	chr7	protein_coding
ENSG0000023479.1	-2.085359	-1.89688	0.00030791	0.00892022	0.18	0.48	0.07	0.12	AP000656.6	--	chr21	antisense
ENSG00000112742.8	4.9838229	0.285716	6.10E-09	4.83E-08	0.04	0.3	0.25	0.82	TKT	protein kinase	chr6	protein_coding
ENSG00000187908.14	-1.0565521	1.60021249	1.14E-41	9.44E-40	0.69	0.53	0	0	DMBT1	deleted in malignant brain tumors 1	chr6	protein_coding
ENSG0000017448.14	1.7758456	0.153807	7.89E-06	3.91E-05	0.24	0.15	0.94	0.09	CFEB2	cytoplasmic polyadenylation element binding protein 2	chr1	protein_coding
ENSG0000013961.13	1.6947465	2.76315979	2.03E-08	1.49E-07	0.58	0.83	2.35	3.75	ATP2B1	ATPase, Ca++ transporting, plasma membrane 1	chr12	protein_coding
ENSG00000125952.10	2.2193899	0.21179251	1.95E-07	1.26E-06	0.04	0.08	0.04	0.42	USPL1	ubiquitin specific peptidase like 1	chr13	protein_coding
ENSG00000122139.16	-0.7834041	0.011111	2.12E-29	2.12E-29	0	0	0	0	EYAA	eyaminophen coactivator and phosphatase 4	chr6	protein_coding
ENSG0000033328.3	-5.36045	-1.3272891	5.48E-10	4.95E-09	1.01	0.53	0.04	0	HRASL2	HRAS-like suppressor 2	chr11	protein_coding
ENSG00000119900.7	1.2943869	0.0250967	0.0002545	0.0003987	0.07	0.15	0.23	0.48	OGFR1	onco growth factor receptor-like 1	chr6	protein_coding
ENSG00000198730.6	1.6302729	0.0696213	1.27E-07	1.27E-07	2.61	2.61	1.8	18	CTRP	CTRP RNA polymerase II core component	chr16	protein_coding
ENSG00000117411.15	-1.968073	5.8989449	2.93E-11	3.11E-10	27.28	24.54	8.92	8.73	BGALG12	UDP-Galactose 4-epimerase 1, 4-galactose-3-epimerase, polypeptide 2	chr7	protein_coding
ENSG00000094313.4	3.0209163	1.0439251	2.04E-14	3.07E-13	0.02	0.04	0.26	0.4	REV3L	REV3-like, polymerase (DNA directed), zeta, catalytic subunit	chr6	protein_coding
ENSG00000122910.13	1.0251681	1.8789328	0.0001384	0.00106734	12.56	12.56	23.32	23.32	GGH	gamma-glutamyl hydrolase (conjugase, folylpolyglutaminylation hydrolase)	chr1	protein_coding
ENSG00000260257.2	1.8172673	0.3166494	5.40E-06	2.75E-05	0.19	0.12	0.96	0.87	RPS-1085F1	zinc finger protein 630	chr20	lncRNA
ENSG00000221994.9	1.6549446	0.1066655	6.51E-05	0.00027249	0.16	0.11	0.31	0.81	ZNFB50	zinc finger protein 630	chrX	protein_coding
ENSG0000018561.7	-1.3759579	4.9197181	1.27E-07	8.44E-07	0.48	0.69	0.12	4.11	TNFAIP8L1	tumor necrosis factor, alpha-induced protein 8-like 1	chr1	protein_coding
ENSG00000055513.9	3.7539263	-1.1764002	1.38E-11	1.53E-10	0	0	0.3	0.21	SOXB	SRY (sex determining region Y)-box 8	chr16	protein_coding
ENSG0000024783.2	0.01891	-0.0350838	2.70E-05	0.00148851	0.06	0.07	0	0	RP11-437A1	--	chr12	lncRNA
ENSG00000134326.10	8.8471319	1.9602138	5.66E-43	5.10E-41	0	0.01	1.44	2.71	CMPK2	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	chr7	protein_coding
ENSG0000018496.4	3.1063973	1.2781481	1.27E-15	2.15E-14	0.02	0.06	0.3	0.7	FBXO30	F-box protein 30	chr6	protein_coding
ENSG00000252119.17	4.638948	1.8789527	6.49E-07	2.54E-06	0.45	0.49	0.19	1.51	ARMDA4	AT rich interactive domain 4A (RPI)-like 4	chr2	protein_coding
ENSG00000204387.11	-1.2123684	5.16736124	1.40E-12	1.73E-11	29.3	23.18	7.45	8.65	C6orf48	chromosome 6 open reading frame 48	chr6	protein_coding
ENSG00000197978.9	4.1201672	-1.2269365	9.32E-08	6.27E-07	0.02	0.06	0.3	0.59	GOLGA9L	golgin A6 family-like 9	chr16	protein_coding
ENSG0000012467.15	7.7194601	1.753541	1.27E-09	1.27E-09	11.13	12.7	0.19	60.7	SLC12A4	solute carrier family 12 (potassium/chloride transporter), member 4	chr1	protein_coding
ENSG00000167981.5	1.78921672	-0.1145621	3.43E-05	0.00015114	0.06	0.05	0.12	0.39	ZNFS97	zinc finger protein 597	chr15	protein_coding
ENSG00000108448.19	-1.3444642	4.6359991	7.07E-27	2.77E-25	36.63	33.19	4.5	4.5	TRIM18	triadite motif containing 18-like	chr17	protein_coding
ENSG0000013022.9	1.4944029	5.74E-09	4.56E-08	4.56E-08	0.12	0.09	0.89	0.66	CACD2455	growth arrest and DNA-damage-inducible, gamma	chr10	protein_coding
ENSG00000128212.9	-2.3541673	5.88227906	4.28E-15	6.87E-14	29.04	24.67	6.97	6.97	STK32C	serine/threonine kinase 32C	chr17	protein_coding
ENSG00000268012.2	1.9463963	-2.2627078	2.93E-05	0.0002094	0	0	0	0	AC005822.12	--	chr1	lncRNA
ENSG00000224962.2	1.25301579	5.7876796	1.59E-05	7.41E-05	4.83	5.42	14.91	17.69	DXSOS6	exosome component 6	chr16	protein_coding
ENSG0000042669.12	-1.309037	6.9349614	6.91E-06	3.46E-05	79.38	78.89	4.07	38.33	SH3BGRL3	SH3 domain binding glutamate-rich protein kinase 3	chr1	protein_coding
ENSG00000176024.15	1.6308996	0.0496214	1.27E-13	1.27E-13	0.36	0.36	0.36	0.69	DNFB13	SH3 finger protein 613	chr5	protein_coding
ENSG0000033781.3	-3.4479797	-2.711395	0.00552196	0.0152223	0.44	0	0.05	0	RP11-544A-2	--	chr1	antisense
ENSG00000172915.17	2.4178245	0.2348775	1.30E-08	9.76E-08	0.03	0.02	0.17	0.17	NBEA	neurabin	chr13	protein_coding
ENSG0000027789.1	1.9842929	0.0545217	6.25E-06	9.76E-05	0.48	0.48	0.04	1.04	RP11-498B11	--	chr1	lncRNA
ENSG00000160188.8	1.99965494	-0.379867	0.00010694	0.00010694	0.07	0.24	0.12	0.55	RSPH1	radial spoke head 1 homolog (Chlamydomonas)	chr21	protein_coding
ENSG00000259738.1	2.8955362	-2.743604	0.01615662	0.03950166	0	0.03	0.2	0.14	CR1C3-AS1	CR1C3 antisense RNA 1	chr15	antisense
ENSG0000014527.10	2.9262746	4.5982532	1.27E-07	1.98E-12	1.4	1.4	0.2	14.2	NTRV	netrin 4	chr1	protein_coding
ENSG0000013899.16	3.11656881	1.4694317	1.74E-16	3.16E-15	0.13	0.17	1.38	2.08	FASTKD1	FAST kinase domains 1	chr2	protein_coding
ENSG0000012319.8	3.72614052	5.1461679	1.27E-30	6.03E-29	1.55	1.68	27.46	29.47	ICEA3	transcription elongation factor A (SII) 3	chr1	protein_coding
ENSG0000044661.11	2.0468163	0.8618293	0.0002894	0.00089959	0.12	0.09	0.89	0.39	NHPH1	neurohypophyseal 1 (overline)	chr2	protein_coding
ENSG00000263008.1	3.2609881	-1.128465	5.22E-07	3.15E-06	0.01	0.01	0.09	0.08	AC011474.4	--	chr2	lncRNA
ENSG0000010774.16	1.02381	2.8593434	1.27E-07	0.00091028	0.33	0.33	0.12	0.39	CNTNAP3	contactin associated protein-like 3	chr9	protein_coding
ENSG0000015861.16	2.7854139	0.7897262	4.15E-12	4.86E-11	0.02	0.09	0.55	0.45	EDA	ectodysplasin A	chr7	protein_coding
ENSG00000096812.10	-3.3055798	2.59106911	4.95E-22	1.39E-20	1.92	1.35	0.22	0.22	HES2	hes family bHLH transcription factor 2	chr1	protein_coding
ENSG0000013504.18	1.3738977	0.0581772	2.70E-05	0.0002768	75.72	75.72	6.67	6.67	SLC12AT	solute carrier family 12 (potassium/chloride transporter), member 7	chr1	protein_coding
ENSG0000026328.1	-1.2360316	1.7895445	6.58E-05	0.00027499	1.37	1.18	0.75	0.64	RP11-416B2.1	--	chr17	lncRNA
ENSG0000016050.13	-1.1210356	5.07482793	6.05E-06	3.08E-05	24.56	22.29	10.9	11.9	CDC2B8	coiled-coil domain containing 28B	chr1	protein_coding
ENSG0000016115.13	-0.0146335	0.00013825	1.39E-13	0.00013825	0.4	0.4	0.02	0.21	KE			

ENSG00000271157.1	-5.377832	-2.945107	0.029052	0.00856312	0.09	0.73	0	0	HIST1H4D	histone duster 1, H4d	chr6	protein_coding	
ENSG00000108797.10	-1.682118	0.854608	0.786707	0.000000	12.7	13.68	0	0	0	centriac associated protein 1	chr17	protein_coding	
21782481	1.57760707	0.459210	4.16E-09	0.000000	0.04	0.06	0.04	0	0.37 RPAP2	RNA polymerase II associated protein 2	chr1	protein_coding	
ENSG0000025458.5	-1.313646	3.7169298	5.55E-06	0.82E-05	143.45	136.08	78.49	0	71.17 NIT5C	5, S'-nucleotidase, cytosolic	chr17	protein_coding	
ENSG0000017240.12	-1.330189	3.3354488	1.39E-11	0.000000	1.52	1.33	0.41	0.32	0.49 DYRK2B1	dystrin cytoplasmic 2, brain chain 1	chr1	protein_coding	
ENSG0000013470.12	2.12671358	1.86E-12	2.27E-11	1.56	248	8.18	1548	8.18	1542 RKF23	kinasin family member 23	chr15	protein_coding	
ENSG0000018451.1	-2.865798	-2.508961	0.0019023	0.0084733	0.04	0.11	0	0	0.02 SPAT1A2	spermatogenesis associated 12	chr2	protein_coding	
ENSG0000011734.16	-4.899172	2.451825	5.95E-37	3.80E-35	2.21	1.94	0.02	0.15	0.07 RNP1F	BC12Z/adenovirus E1B 19kDa interacting protein	chr5	protein_coding	
ENSG00000196723.9	-1.603999	-1.861355	0.00183219	0.04519657	0.04	0.08	0.08	0.08	0.08 C15orf45	melanophilin	chr2	protein_coding	
-1.4639524	3.026814	5.29E-07	3.18E-06	73.4	57.14	0.02	0.02	0.02	0.02 NUDT17	chromosome 19 open reading frame 45	chr19	protein_coding	
ENSG00000204435.12	-1.132414	7.492471	8.37E-05	0.00034109	133.92	145.32	90.69	78.39	CNNK2B	nucleic (nucleoside diphosphate linked moiety X)-type motif 1	chr3	protein_coding	
ENSG0000014454.18	1.967495	3.1767349	1.63E-07	1.58E-09	0.28	0.24	1.14	0.44	PHL02B	casein kinase 2, beta polypeptide	chr6	protein_coding	
ENSG00000273449.1	4.72703895	1.411721	0.0088973	0.04519657	0	0	0.21	0.03	RP11-218F11	pleckstrin homology-like domain, family 8, member 2	chr19	protein_coding	
ENSG00000103490.16	-1.831004	6.93442135	4.76E-10	4.34E-09	19.99	15.55	6.46	6.87	WDR13	Wdr repeat domain 13	chr4	protein_coding	
ENSG0000026951.1	3.755543	-1.874785	0.002536	0.00240222	0	0.02	0.06	0.15	RP11-37010.1	...	chr12	lncRNA	
ENSG00000267165.1	5.33435105	-2.818525	0.0029522	0.00856312	0	0	0.17	0.39	RP11-78A19	...	chr18	antisense	
ENSG00000134108.11	1.65160345	2.77350211	1.16E-07	7.73E-07	0.8	0.95	2.87	4.5	ARL8B	ADP-ribosylation factor-like 8B	chr3	protein_coding	
ENSG00000202932.12	-1.3673459	3.257407	5.87E-06	2.98E-05	4.54	3.83	2.24	2.08	FLEKBP1	pleckstrin homology domain containing, family O member 1	chr1	protein_coding	
ENSG00000137841.10	-2.6389467	2.58037926	9.45E-16	1.61E-14	1.34	1.67	0.29	0.35	PLCB2	phospholipase C, beta 2	chr15	protein_coding	
ENSG0000013448.13	2.49591172	3.81785738	1.25E-15	2.11E-14	1.29	1.43	10.61	9.89	SEC14L4	SEC14-like 4 (S. cerevisiae)	chr22	protein_coding	
ENSG0000018165.16	1.22188216	2.01871412	0.0013804	0.00535777	2.22	2.29	1.42	6.59	TPST1G1	TP53 target 1 (non-protein coding)	chr12	lncRNA	
ENSG00000163681.13	1.95033844	3.03828734	4.44E-10	4.08E-09	0.17	0.32	0.92	1.63	SLMAP	sarcolemmal associated protein	chr12	protein_coding	
ENSG00000189120.1	1.46389542	-0.5389478	0.00170514	0.00531058	0.04	0.09	0.3	0.18	SPB	Scf transcription factor	chr17	protein_coding	
ENSG00000187101.13	-2.543679	7.0626567	2.53E-12	2.95E-11	1.44	1.68	0.93	0.58	SPN	spinnin	chr1	protein_coding	
ENSG00000196369.9	1.46941901	0.894393	1.91E-05	0.00017073	0.07	0.14	0.37	0.42	SRGA2B	SLIT-ROBO Rho GTPase activating protein 2B	chr1	protein_coding	
ENSG0000014265.12	2.5984034	0.6303688	1.44E-10	1.43E-09	0.02	0.07	0.24	0.45	TP14	TP14 zinc finger protein	chr19	protein_coding	
ENSG00000279742.1	2.08648906	0.52735659	1.64E-07	1.07E-06	0.11	0.24	0.85	1.13	RP11-700A2	...	chr11	TEC	
ENSG00000170316.6	5.12073474	-0.380343	2.47E-14	3.69E-13	0.04	0	0.85	1.12	EPHX4	epoxide hydrolase 4	chr1	protein_coding	
ENSG00000270571.1	1.292324	1.0313748	0.001755	0.0241887	1.05	1.63	0.34	1.07	CTB-40154	...	chr1	protein_coding	
ENSG00000237862.1	7.15635911	-1.52743	2.80E-09	2.31E-08	0	0	0	0.25	RP11-63G57	...	chr22	sense_intronic	
ENSG00000008988.8	-1.1591347	9.2508398	5.56E-05	0.0002582	29.77	24.41	143.12	156.96	RPS20	ribosomal protein S20	chr8	protein_coding	
ENSG00000169230.8	-1.478982	8.9252663	3.8E-19	8.32E-16	460.57	28.44	0	0.18	PRLED1	PR1 domain containing 1	chr9	protein_coding	
ENSG00000270372.1	-5.3787292	-2.9446861	0.0029522	0.00856312	0	2.62	0	0	0	RP11-109M1	...	chr8	antisense
ENSG00000265800.1	1.8077201	-0.985187	0.0318259	0.0433739	0.27	1.07	0	0.27	RP11-645A1	...	chr17	sense_intronic	
ENSG00000178914.4	7.102992	4.341413	4.34E-06	1.59E-62	8.93	7.34	0.08	0.07	OPH4X	5-oxoprolinase (ATP-hydrolyzing)	chr7	protein_coding	
ENSG0000018409.14	5.4282042	3.1419567	1.27E-42	1.11E-40	0.07	0.1	5.58	4.12	ATP1A3	ATPase, Na+/K+-transporting, alpha 3 polypeptide	chr19	protein_coding	
ENSG00000156471.11	-1.281647	0.945403	0.0013149	0.0026718	0.15	0.15	0.15	0.15	518 SAM68	alpha alpha motif domain containing 8	chr18	protein_coding	
ENSG00000227372.9	-6.7325666	4.50952147	1.63E-63	4.88E-61	4.86	5.3	0.06	0.07	TP73-AS1	TP73 antisense RNA 1	chr1	lncRNA	
ENSG00000231566.1	-1.925045	-1.530873	0.0018575	0.00571918	1.14	0.91	0.34	0.36	RPS11-118E1	...	chr1	antisense	
ENSG0000013506.13	1.4780689	1.83105928	7.15E-16	3.42E-14	0.09	0.12	0.02	1.07	SEKIP1	SEK1-interacting protein 1	chr5	protein_coding	
ENSG00000139049.9	3.87670736	2.04430996	1.21E-24	4.08E-23	0.13	0.03	1.73	1.47	BAGALNT3	beta-1.4-N-acetyl-galactosaminyl transferase 3	chr12	protein_coding	
ENSG00000085563.13	-3.986132	-1.175739	6.44E-08	4.44E-07	0.16	0.09	0	0.03	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1	chr17	protein_coding	
ENSG00000177352.6	-2.546489	2.0628243	1.92E-29	2.05E-27	8.9	1.07	0.47	0.55	ZNF534C	zinc finger protein 534C	chr1	protein_coding	
ENSG00000108511.9	1.27139859	4.2793115	1.63E-05	7.60E-05	3.89	5.48	14.33	15.78	H0XB6	hemoxibin	chr17	protein_coding	
ENSG00000185187.11	-5.2381342	3.5572572	4.12E-44	4.00E-42	10.23	7.34	0.36	0.26	SGIRX	single immunoglobulin-like and twin-interleukin 1 receptor (TIR) domain	chr11	protein_coding	
ENSG00000174425.5	-0.0936975	0.021343	0.0036781	0.000000	0.23	0.38	0.58	0.23	VP53D	vaccinia protein ICP3 homolog 3 (S. cerevisiae)	chr16	protein_coding	
ENSG00000261130.4	-7.479966	1.47660733	2.30E-38	1.60E-36	7.22	5.66	0	0	0	RP11-1021N	...	chr16	protein_coding
ENSG0000025780.11	1.2951896	2.7011117	8.30E-05	0.0004087	0.28	0	0	1.63	TM6A3	transmembrane protein 6A3	chr1	protein_coding	
ENSG00000261373.1	-7.35197	3.02040068	4.97E-55	9.38E-53	6.96	7.99	0.05	0.06	VP59D1-AS1	VP59D1 antisense RNA 1	chr16	antisense	
ENSG0000027102.1	6.11073974	-2.318297	4.74E-05	0.0020301	0	0	0.41	0.6	RPS-355.5.5	...	chr6	lncRNA	
ENSG0000018823.15	1.842755	1.8370451	0.000000	0.000000	0.13	0.7	0.03	0.03	CEP250	centrosomal protein 63kDa	chr4	protein_coding	
ENSG00000189157.12	2.0273339	-1.538621	0.0022775	0.00961373	0.05	0.03	0	0.17	FAM4E7	family with sequence similarity 47, member E	chr12	protein_coding	
ENSG00000141753.6	1.50291452	0.90872465	1.97E-07	1.27E-06	108.25	100	399.55	390.27	KIF84	human-like growth factor binding domain 4	chr17	protein_coding	
ENSG0000017327.4	-1.478982	8.9252663	3.8E-19	8.32E-16	460.57	28.44	0	0.18	PRLED1	PR1 domain containing 1	chr9	protein_coding	
ENSG00000110756.16	2.11784046	2.75799298	3.28E-11	3.46E-10	0.26	0.24	1.65	2.34	HPS1	Insulin-like growth factor binding domain 4	chr11	protein_coding	
ENSG0000025959.1	-2.864188	-2.509774	0.0019023	0.0084733	0.27	0.33	0	0.09	CT2-165B2	...	chr15	3prime overlappn ncma	
ENSG00000100625.8	1.5336335	0.1189871	0.0016219	0.0003217	0.02	0.04	0.02	0.29	SOX4	SOX homeobox 4	chr17	protein_coding	
ENSG00000258474.4	3.8680795	-1.216267	8.40E-05	0.0003415	0.02	0	0.23	0.23	RP11-26718	...	chr11	antisense	
ENSG00000241557.1	6.037811	-2.732777	0.000000	0.000000	0.19	0.17	0.19	0.19	RP11-759P1	...	chr11	antisense	
ENSG00000189045.13	1.23456952	0.9505163	0.0013849	0.00450201	0.05	0.06	0.31	0.07	USH1G	Usher syndrome 1G (autosomal recessive)	chr17	protein_coding	
ENSG00000102531.15	1.44412102	1.6175607	1.45E-05	6.85E-05	0.16	0.18	0.63	0.61	INDC3A	fibronectin type III domain containing 3A	chr13	protein_coding	
ENSG0000006363.18	-2.894882	0.9531964	0.000000	0.000000	0.17	0.17	0.17	0.17	CACNA1G	calcium channel, voltage-dependent, L type, alpha 1G subunit	chr1	protein_coding	
ENSG0000017485.6	2.3119631	-0.138006	5.38E-07	3.24E-06	0.04	0.05	0.17	0.38	ZBTB33	zinc finger and BTB domain containing 33	chr1	protein_coding	
ENSG00000108723.15	1.7776942	3.21749054	5.47E-06	2.79E-05	0.94	1.99	6.21	3.64	SPIN1	spindlin 1	chr1	protein_coding	
ENSG0000011246.15	1.6325455	1.6598278	3.63E-08	2.57E-07	1.88	1.99	2.78	4.9	FBCO9	F-box protein 9	chr9	protein_coding	
ENSG0000017151.1	1.57068129	2.785879	0.000666	0.00283128	0	0.05	0.05	0.05	RP11-380B4	...	chr13	lncRNA	
ENSG0000027908.1	6.11073974	-2.318297	4.74E-05	0.0020301	0	0	0.07	0.1	RP11-481C4	...	chr17	TEC	
ENSG00000262690.3	4.726828	-0.7185229	2.05E-11	2.2E-10	0.07	0.02	0.21	0.28	SCARNA15	small Cajal body-specific RNA 15	chr15	processed_transcript	
ENSG0000026086.1	2.8829912	0.90872465	1.97E-07	1.27E-06	108.25	100	399.55	390.27	KIF84	human-like growth factor binding domain 4	chr17	protein_coding	
ENSG0000016299.5	-1.3977476	-0.6368678	0.0026113	0.0078496	0.13	0.28	0.11	0.09	AAIA324	KIAA324	chr1	protein_coding	
ENSG00000224940.7	0.940405	0.000000	0.000000	0.000000	0.17	0.17	0.17	0.17	PRRT4	proline-rich transmembrane protein 4	chr1	protein_coding	
ENSG0000016351.13	1.04835658	0.47963185	0.0003719	0.0013301	3.01	2.16	7.93	6.28	HADC11	histone deacetylase 11	chr1	protein_coding	
ENSG00000272741.1	2.4906156	-2.4026582	0.0077015	0.0197784	0.03	0	0.26	0.03	RP11-536C5	...	chr1	antisense	
ENSG0000015460.11	2.091398	2.7943108	8.30E-05	0.0004087	0.28	0	0	1.63	TM6A3	transmembrane protein 6A3	chr1	protein_coding	
ENSG0000018538.4	2.49184735	0.00288529	3.28E-08	2.33E-07	0.09	0.28	1.49	1.24	SCC51	suppressor of cortikine signaling 1	chr16	protein_coding	
ENSG00000152684.10	-1.135567	4.6852958	4.37E-05	0.00018966	7.25	6.05	0.36	4.21	PELO	pelota homology (Drosophila)	chr1	protein_coding	
ENSG0000011236.13	5.430815	1.8370451	0.000000	0.000000	0.13	0.7	0.03	0.03	CEP250	centrosomal protein 63kDa	chr4	protein_coding	
ENSG00000089031.8	-1.8185957	-0.390206	4.48E-05	0.00019447	0.18	0.31	0.08	0.1	PTPRH	protein tyrosine phosphatase, receptor type, H	chr19	protein_coding	
ENSG0000017740.8	1.1363097	4.2999937	0.0001444	0.00049376	4.49	4.59	13.73	14.32	CYB5D2	cytochrome b5 domain containing 2	chr17	protein_coding	
ENSG0000027478.9	-0.059124	0.000000	0.000000	0.000000	0.4	0.02	0.02	0.02	CHD4R2	chromatin-related family member 2	chr1	protein_coding	
ENSG0000025895.1	5.87712165												

ENSG0000070214.1 1.5520842 3.20928024 3.696E-07 2.28E-06 0.28 0.38 0.1 1.59 SL4C4A1 solute carrier family 44 (choline transporter), member 1

ENSG0000019838.6 1.2891812 1.2891812 1.11E-06 1.11E-06 0.0 0.0 0.0 0 CACD11 caspase recruitment domain family, member 11

ENSG0000011816.7 5.48410531 -2.7306244 0.0018808 0.0049521 0 0 0.02 0.01 FRK fyn-related Src family tyrosine kinase

ENSG0000022966.12 1.12041812 5.66712145 0.0001940 0.0003483 2.68 3.27 0.89 8.25 CTN c14orf102 c14orf102 protein/threonine kinase

ENSG0000010533.14 1.8177329 1.8177329 2.05E-09 2.05E-09 0.11 0.11 0.02 3.83 UBE1D1 UBE1 family domain containing 1

ENSG0000014413.11 2.35266725 2.02195406 3.60E-12 4.26E-11 0.1 0.1 0.01 0.96 ZNF462 zinc finger protein 462

ENSG00000106263.18 -1.6703734 9.5023077 9.93E-09 7.54E-08 29.98 286.59 120.82 12393 EF3B8 eukaryotic translation initiation factor 3, subunit B

ENSG0000016557.7 1.1469783 1.1469783 1.03E-09 1.03E-09 0.11 0.11 0.02 0.51 ETRD6B leish repeat and ETR (C2) domain containing

ENSG0000020153.13 1.44232114 0.04310512 0.00016327 0.0002582 0.1 0.06 0.28 0.3 ANR112 aryl hydrocarbon receptor nuclear translocator-like 2

ENSG0000015987.13 2.33458985 -0.112187 2.48E-07 2.10E-06 0.06 0.1 0.53 0.55 LYPO5 LY6PLAUR domain containing 5

ENSG0000018698.10 7.1103499 7.1103499 1.50E-19 1.50E-19 4.8 4.8 0.02 8.92 RASAS3 RAS protein activator 3

ENSG00000132424.13 1.8770365 4.0453612 5.37E-10 4.87E-09 1.02 1.19 3.21 7.72 PMSR PNN-interactor serine/arginine-rich protein

ENSG0000014442.8 1.5524461 1.4529008 8.48E-09 0.04E-08 0.37 0.3 0.91 1.96 ARMC1 armadillo repeat containing 1

ENSG00000261270.1 0.9064771 -1.6468393 0.0046979 0.0137154 0.27 0 0.59 0.82 RP11-325K4 --

ENSG0000028258.1 -5.2109276 -0.3043637 0.00536165 0.0148861 0.07 0.22 0 0 0 RP11-34021 --

ENSG0000011186.11 -2.0419079 3.11728607 1.036E-19 1.036E-19 5.38 4.76 0.86 0.78 WNT59 wntless-type MMTV intron spacer site family, member 5B

ENSG00000170989.8 -4.8907605 0.76810751 5.88E-25 2.02E-23 0.64 1.2 0 0.07 S1PR1 sphingosine-1-phosphate receptor 1

ENSG00000170786.11 -2.9156446 1.80555176 1.28E-16 2.35E-15 1.61 1.43 0.24 0.29 SORL16C5 short chain dehydrogenase/reductase family 16C, member 5

ENSG0000024562.12 1.7583514 1.7587729 0.0684441 0.00185289 0.06 0.03 0.03 0.01 MUTM2D NUT family member 2D

ENSG0000006199.5 1.9773852 2.34815125 9.14E-10 8.04E-09 0.39 0.27 1.46 1.98 SPA17 sperm autoantigenic protein 17

ENSG00000132870.1 1.76990303 1.25704528 4.26E-07 2.61E-06 0.06 0.09 0.33 0.35 KCHH1 ring finger and COOH-type domains 1

ENSG00000163017.12 -1.807773 1.1974073 0.0367167 0.0251905 0.19 0.02 0.01 0.08 ACT152 actin, gamma 2, smooth muscle, enteric

ENSG00000119669.4 -1.2616562 1.06680707 1.26E-05 6.01E-05 37.59 38.08 20.83 20.1 RFBPBL interferon regulatory factor 2 binding protein-like

ENSG00000212537 -2.13794 1.7144793 5.58E-13 7.13E-12 169.41 138.69 45.43 47.99 RSL1 ferritin 1 (mitochondrial outer membrane) homolog (S. cerevisiae)

ENSG0000015852.14 -1.0295315 8.5534378 0.0002287 0.0011891 29.22 30.93 19.68 184.2 PSMO4 proteasome (prosome, macroprosome) 26S subunit, non-ATPase 4

ENSG0000075624.12 -1.6268177 12.8267327 2.23E-08 1.62E-07 4668.73 4601.87 2038.42 1958.86 ACTB actin, beta

ENSG00000154114.11 2.1267493 1.49427271 1.27E-05 1.06E-08 0.16 0.15 0.08 0.4 TRC11 tubulin folding cofactor E-like

ENSG0000012787.11 -1.2136563 6.46635847 2.69E-05 0.00012094 16.98 18.97 11.41 9.17 FRSL1 fibronectin-like 1

ENSG00000250742.1 1.51283126 0.05069248 4.0005756 0.00095903 0.27 0.31 1.06 1.15 RP11-834C1 --

ENSG00000164674.14 1.78274301 1.0272168 6.48E-16 4.47E-08 0.22 0.28 1.26 0.97 SYTL1 synaptotagmin-like 3

ENSG00000189545 1.36921149 3.90041388 4.39E-06 2.28E-05 2.29 2.99 7.66 10.55 KAA1279 --

ENSG00000196417.1 1.30119646 0.98174658 4.03E-14 5.85E-13 401 0.04 0.29 0.32 ZNF765 zinc finger protein 765

ENSG00000103945.7 1.874511 8.45382026 1.64E-10 1.26E-09 163.9 401.87 16.69 146.2 RP11-325K4 --

ENSG00000234546.2 1.5730477 -0.0608001 0.001608 0.00061833 0.62 0.09 1.56 1.33 RP3-510D11 --

ENSG00000174567.7 2.70518459 -1.291469 2.93E-05 0.00013652 0.15 0.09 0.04 0.99 GOLTA1 golgi transport 1A

ENSG0000010361.12 4.5324823 3.09526035 2.25E-12 8.02E-12 6.07 8.06 0.94 0.88 CLIP1 clipin planar cell polarity protein

ENSG0000017567.11 -1.3787861 10.3823684 1.83E-06 1.01E-05 67.45 61.29 336.26 32.18 CLIP1 ring finger and COOH-type domains 1

ENSG00000169429.9 -1.347612 5.5292612 7.42E-12 4.46E-12 0.6 0.6 0.02 0.03 CXCL8 chemokine (C-X-C motif) ligand 8

ENSG00000107951.11 1.32209683 1.39071169 9.96E-05 0.00040127 0.19 0.23 0.69 0.71 MTPAP mitochondrial poly(A) polymerase

ENSG0000020250.7 1.3537187 7.7817548 2.87E-06 1.55E-05 47.49 48.09 167.65 157.53 E2F2 E2F transcription factor 4, p107/p130-binding

ENSG00000120837.6 8.33325 2.403263 6.54E-07 9.95E-08 2.72 2.72 0.01 4.31 MYB2 nuclear transcription factor Y, beta

ENSG00000120686.10 2.0487503 5.64E-12 6.53E-11 0.33 0.32 0.06 1.31 UFM1 ubiquitin-fold modifier 1

ENSG00000171989.1 5.1974851 -2.8969679 0.0003165 0.0148861 0.07 0.22 0 0.02 RPL4-738L20.2 --

ENSG00000178952.7 1.4398467 10.357822 6.54E-07 3.87E-07 764.01 735.06 370.6 366.06 TUFM1 Tu translation elongation factor, mitochondrial

ENSG00000145088.7 2.68467611 -1.8749565 0.0012927 0.00385709 0.05 0.02 0.16 0.47 EAF2 ELL associated factor 2

ENSG00000171203.9 2.8216825 5.04528441 8.31E-10 1.97E-18 1.5 1.36 11.8 13.8 TFAP2A transcription factor AP-2, alpha (activating enhancer binding protein 2, alpha)

ENSG0000027274.11 1.1452763 1.1452763 3.65E-06 0.00010000 0.04 0.04 0.06 0.04 ZBTB88 zinc finger and BTB domain containing 88

ENSG00000109534.15 -1.1639642 6.06679549 2.11E-08 1.54E-07 61.33 68.84 25.39 30.36 GAR1 GAR1 ribonucleoprotein

ENSG0000019122.10 4.5454936 4.5454936 1.74E-12 4.48E-11 11.39 13.29 13.08 11.39 S29 SRC oncogene, non-receptor tyrosine kinase

ENSG00000274191.1 2.2823474 -1.8451984 0.0003791 0.00829022 0 0 1 0.4 RP11-324E6 --

ENSG00000254761.1 -6.5730459 -2.1628269 1.78E-06 9.85E-06 0.51 0.17 0 0 0 RP11-672A2 --

ENSG00000188786.9 3.354125 2.45328729 2.05E-15 9.98E-05 0.05 0.04 0.01 0.01 MTF1 mitogen-activated protein kinase

ENSG00000116871.14 -1.2842727 9.5677708 8.39E-06 4.13E-05 220.53 253.82 136.34 122.49 MAP7D1 MAP7 domain containing 1

ENSG00000140284.9 1.4283335 4.1205032 1.59E-06 8.89E-06 2.31 2.33 1.78 12.11 SLC27A2 solute carrier family 27 (fatty acid transporter), member 2

ENSG0000011483.13 10.23167 1.9341308 1.51E-11 6.57E-10 84.7 93.3 10.4 0.12 SLC35A5 solute carrier family 35, member 5

ENSG0000019761.10 5.06203158 -2.9716376 0.010455 0.02582742 0 0 0 0.05 PPOX peptidic acid oxidase

ENSG0000025822.4 5.04175262 -2.9626714 0.010405 0.02582742 0 0 0 0.03 UBXN1-AT1 UBXN1 transmembrane RNA 1

ENSG0000010351.12 1.8395521 1.8395521 5.87E-07 3.31E-06 17.22 19.07 8.75 9.15 STK12C1 serine/threonine kinase 24

ENSG0000017865.13 1.8396293 -0.6666883 0.00018637 0.00070726 0.05 0.06 0.21 0.31 ZNF713 zinc finger protein 713

ENSG00000170113.16 2.83046489 2.83046489 1.03E-06 1.03E-06 3.12 3.12 0.18 0.66 NUPA1 nucleoporin 1, cytoplasmic repeat domain-Wiik/Angelman syndrome 1

ENSG00000133401.14 1.6270721 1.81220509 8.97E-07 5.20E-06 0.1 0.14 0.46 0.55 PDZD2 peptidyl domain containing 2

ENSG00000174953.12 2.0615644 2.6405251 1.31E-10 1.23E-09 0.26 0.31 1.24 1.95 DHX36 DEAH (Asp-Glu-His) box polypeptide family 3

ENSG0000010790.15 1.1547459 1.1547459 2.66E-17 2.66E-17 182 182 0.01 0.71 ANKRD26 ankyrin repeat domain 26

ENSG00000215474.1 -1.6857206 2.5234284 1.04E-08 7.97E-08 7.05 7.42 3.33 2.65 NUB1L18 neutralized E3 ubiquitin protein ligase 18

ENSG00000261187.1 1.9968488 -2.0252992 0.0139746 0.0347796 0.07 0.02 0.17 0.36 RP11-1007D --

ENSG0000016686.9 1.7082747 1.5205192 0.0001404 0.0003882 0.07 0.07 0.01 0.07 TMPSR1 transmembrane protease, serine 5

ENSG00000109647.1 4.87917439 0.3067869 0.0188873 0.0431957 0 0 0 0.16 RP11-680F8 --

ENSG00000262332 -1.6333767 2.3672726 7.44E-08 5.08E-07 18.89 18.14 7.71 8.22 RP11-157P1 --

ENSG0000017654.12 4.8717525 5.0220014 6.54E-07 3.37E-06 11.81 11.81 0.4 0.36 LPA24 lysophosphatidylcholine acyltransferase 4

ENSG00000162520.16 1.34821297 1.32657209 7.72E-05 0.00031861 0.12 0.14 0.26 0.62 ATP7A ATPase, Cu+ with transporting, alkaline polypeptide

ENSG00000169245.12 2.8197763 3.5988986 7.64E-11 7.77E-10 0.03 0.09 0.23 0.91 ESNALNT1 epsilon-N-ethyl-L-histidine aminyltransferase 1 (glucoside blood group)

ENSG0000016351.2 5.0018692 0.072923 1.29E-12 1.59E-12 0.09 0.04 0.06 0.21 C10orf205 C10orf205

ENSG00000200434.8 -1.6551901 3.9068355 3.36E-08 2.39E-07 8.92 10.75 3.59 4.39 DDO deacplying enoxunibacase

ENSG00000166140.4 2.2952678 2.8327216 1.25E-14 4.47E-13 182 182 0.01 0.71 VASN vasodilator-stimulated phosphatase

ENSG00000171960.9 -1.1100701 6.01040035 0.00021279 0.00048122 70.26 70.24 42.99 49.95 PHH peptidylprolyl isomerase H (cyclophilin H)

ENSG0000013863.7 1.660151 1.8666442 5.08E-07 3.07E-06 4.48 0.57 0.20 3.23 COP5A COP9 signalosome subunit 5

ENSG00000146942.13 3.7891583 3.7891583 1.03E-06 1.03E-06 0.06 0.06 0.01 0.27 SLC12A12 solute carrier family 5 (sodium/magnesium/calcium cotransporter), member 12

ENSG00000112237.11 1.08221748 1.9633905 0.00072199 0.00244975 0.51 0.42 0.84 0.81 CNOC cyclin C

ENSG00000267745.1 -5.018782 -1.3115465 0.0188873 0.0431957 0.15 0 0 0 0 RP11-686D2 --

ENSG00000156510.12 4.770343 0.2869539 3.8E-20 3.81E-19 2.43 2.43 0.03 0.03 HNDK1 hecokinease domain containing 1

ENSG00000239948.1 -1.7111467 -0.0006757 0.00049952 0.00174477 1.83 1.64 0.84 0.57 RP11-410L1 --

ENSG0000015977.1 2.5337985 -2.3736362 0.0077015 0.01977584 0.08 0 0 0.14 0.51 RP11-571M1 --

ENSG00000102933.9 1.8904072 5.8740888 1.98E-06 0.00017407 2.42 2.42 0.31 3.17 EP2002 E1A binding protein p300

ENSG00000128427.1 0.20600302 2.81188903 1.33E-10 1.31E-09 0.28 0.35 1.1 2.17 LGA5L8 lectin, galactose-binding, soluble, 8

ENSG00000108863.13 0.3886874 -0.086113 1.33E-11 5.01E-10 0.19 0.18 0.04 0.18 ZNF538A zinc finger protein 538A

ENSG00000169620.10 1.8498785 -0.192577 0.0021058 0.00391053 0.01 0.04 0.1 0.12 RGF08B RANBP2-like and GRP domain containing 8

ENSG0000012381.7 -1.3248577 5.45572626 5.53E-06 2.72E-05 34.46 38.88 18.27 20.77 TDT1 T-DNA/RNA-lyase deacylase 1

ENSG00000198680.4 1.4587615 4.5360144 1.77E-11 1.18E-10 5.14 5.14 0.02 4.34 TUSC1 tumor suppressor candidate 1

ENSG00000150078.1 2.96218896 4.4714996 5.74E-12 6.64E-11 0.03 0.04 0.26 0.46 TMEM56 transmembrane protein 56

ENSG00000111863.11 2.6504083 -1.901033 0.0012927 0.00385709 0.03 0.01 0.17 0.18 ATDRP androgen-dependent TP1-regulating protein

ENSG00000176244.6 1.4594962 -0.3862927 0.0001404 0.0003882 0.07 0.07 0.01 1.13 ACTC2 actin, cytoplasmic 2

ENSG00000107999.11 1.50924856 4.3985204 3.65E-07 2.26E-06 2.65 3.21 10.85 1.14 VP59D1 VP59 domain containing 1

ENSG00000179388.8 5.2175213 -2.886033 0.0003165 0.0148861 0 0 0 0.04 ORC1 origin recognition complex 1

ENSG0000025758.14 1.5700485 3.7338631 4.29E-07 2.58E-06 2.99 3.39 0.03 1.39 CD3A3 collagen, alpha X (alpha 3)

ENSG00000106031.7 1.3539761 1.10338434 0.0001274 0.00044836 0.17 0.2 0.02 0.8 HMOX1A3 hemoglobin A13

ENSG00000251603.1 1.5894747 -1.5345313 0.025055 0.0003886 0.35 0.37 0.02 0.42 RP11-184P1 --

ENSG0000015107.9 11.010214 2.0073245 4.46E-05 4.79E-43 0 0 0 0.52 0.44 CACNA1C calcium channel, voltage-dependent, L type, alpha 1C subunit

ENSG00000147096.12 2.4896006 -2.402267 0.0077015 0.01977584 0 0 0 0.04 0.01 SLC24A4 solute carrier family 24 (sodium/calcium/calcium exchanger), member 4

ENSG00000157778.7 1.2994352 3.7527294 9.91E-09 6.09E-08 85.4 84.1 33.05 27.79 PSM43 proteasome (prosome, macroprosome) assembly chaperone 3

ENSG00000137216.7 -1.0364371 5.6443951 0.00033596 0.001214 15.42 17.06 10.8 10.18 TMEM38B transmembrane protein 38B

ENSG00000167996.14 -1.0208328 3.7110702 0.00036793 0.00132135 9606.64 8968.24 5711.34 6109.36 FH1 ferritin, heavy polypeptide 1

ENSG000001280196.1 0.0109177 -2.087142 0.010405 0.0047247 0.04 0.04 0.01 0.31 RP11-384M2 --

ENSG00000138590.12 2.4927201 3.8195316 1.38E-15 2.32E-14 0.55 0.68 3.53 5.77 TAOK3 TAO kinase 3

ENSG00000147852.14 1.1959664 3.0243404 7.16E-10 6.36E-09 0.97 1.3 0.29 0.51 VLDLR very low density lipoprotein receptor

ENSG00000136836.11 1.1871881 2.7454433 6.33E-07 3.28E-06 0.12 0.13 0.69 5.88 ACTD3 actin domain containing protein containing 3

ENSG00000167466.12 2.62341577 2.33550003 7.08E-15 1.22E-13 0.51 0.43 3.65 4.06 DNAF3F3 dynein, axonemal, assembly factor 3

ENSG0000024676.5 -4.80699 3.2210194 0.0188873 0.0431957 0.04 0.04 0.06 0.06 ANKRD1 ankyrin repeat domain 6

ENSG0000015828.15 4.6370263 0.76104624 1.49E-12 1.27E-19 0.4 0.46 0.16 0.61 FOXO6 forkhead box O6

ENSG00000204060.5 -2.4088157 2.64200544 1.14E-13 1.57E-12 3.27 3.82 0.17 0 0 PKOX1 protein kinase, cAMP-dependent, type I

ENSG0000018532.13 1.749012 1.1519541 1.70E-11 1.71E-09 0.13 0.02 0.28 0.75 MFJ1 myeloid leukemia factor 1

ENSG0000017835.16 1.8238948 1.17846428 2.58E-07 1.63E-06 0.28 0.28 0.09 0.97 0.78 RFS1 Kruoid-like factor 8

ENSG00000102349.13 7.6335157 1.1272865 5.64E-07 2.89E-30 0.01 0 0.17 0.78 RFS1 Kruoid-like factor 8

ENSG00000166180.10 1.4639952 6.8193467 1.09E-05 2.89E-06 0.13 0.02 0.28 12.73 FOXO6 forkhead box O6

ENSG00000140416.18 -1.9130288 7.44533007 7.77E-11 7.88E-10 26.44 34.47 9.55 12.04 TPM1 tropomyosin 1 (alpha)

ENSG0000013453.18 1.0603656 6.0400023 0.00023217 0.0006787 7.7 8.08 19.88 24.06 EMP1 epithelial membrane protein 1

ENSG00000165015.15 5.45971424 2.0044224 0.00049252 0.00189754 5.23 5.23 0.06 5.86 ADCY2L2 adenylyl cyclase 2, long isoform

ENSG00000183914.13 0.5963867 2.22585404 4.11E-34 2.30E-32 0.01 0.02 0.69 0.5 0.05 DNADH2 dynein, axonemal, heavy chain 2

ENSG0000011405.12 4.1360741 1.7377963 1.37E-24 4.59E-23 0.02 0.05 0.5 1.04 PKCZCA phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2, alpha

ENSG00000124596.15 1.3768529 3.6456412 1.82E-07 1.18E-06 3.4 0.02 0.13 1.94 O-acyl-ADP-ribose deacetylase 1

ENSG00000279608.1 -2.1195631 -2.0806693 0.00048095 0.01167544 0.05 0.03 0 0 0.02 RP11-182N2 --

ENSG00000205208.16 1.1197174 2.88618258 0.00000005 0.00000005 1.85 1.85 0.02 1.19 TAB2 TGF-beta-activated kinase 1/MAP3K7 binding protein 2

ENSG00000187837.3 2.33335038 6.77390317 6.06E-15 9.65E-14 45.78 45.51 315.39 29.17 HST1H1C histone dUT1, H1c

ENSG00000233593.5 3.33546502 1.37024783 9.68E-18 1.95E-16 0.29 0.58 5.92 5.82 RPA-66523.3 --

ENSG00000209219.12 1.9520181 4.2048652 6.52E-12 9.28E-10 2.82 2.82 0.07 1.66 GRM1 glutamate receptor 1

ENSG00000234857.2 -1.078961 8.8279315 0.00017177 0.000656 117.64 132.15 77.41 80.1 HNRNPUL2 HNRNPUL2-BCL2L metalloprotein (NMD candidate)

ENSG0000045248.6 2.0873311 -1.97352 0.0056863 0.0249748 0.03 0.03 0.21 0.15 SLC10A4 solute carrier family 10, member 4

ENSG00000127467.3 3.8169494 3.8169494 5.39E-12 2.8E-29 0.03 0.07 0 0 0 UNO10337 UNO domain containing 10

ENSG00000188217.1 1.2072623 2.42327305 0.00010611 0.00042542 0.3 0.51 1.27 1.21 NCRG1L1 natural killer cell cytotoxicity receptor 3 ligand 1

ENSG00000167635.10 2.04317825 2.888783 9.92E-11 9.94E-10 0.48 0.97 2.51 4.09 ZNF146 zinc finger protein 146

ENSG00000107515.14 2.7854043 2.7854043 6.33E-07 3.28E-06 0.12 0.13 0.69 5.88 ACTD3 actin domain containing protein containing 3

ENSG00000188004.7 2.0306204 2.68559598 1.77E-10 1.70E-09 0.28 0.34 1.33 2.05 OPA1 oitic acid transferase 1

ENSG00000165489.9 1.2023729 1.18276958 1.77E-11 1.28E-10 0.02 0.02 0.19 0.19 TMEM45C transmembrane protein 45C

ENSG0000010000.16 1.9107319 8.0111124 3.54E-06 1.87E-05 60.18 50.39 30.42 27.42 TSP1

[illegible]

chr15	protein_coding
chr16	protein_coding
chr19	protein_coding
chr22	protein_coding
chr9	protein_coding
chr11	protein_coding
chrM	Mt_rRNA
chr6	protein_coding
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chr8	protein_coding
chr6	protein_coding
chr17	protein_coding
chr19	lincRNA
chr16	protein_coding
chr9	protein_coding
chr12	protein_coding
chr6	protein_coding
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chr6	protein_coding
chr2	protein_coding
chr12	protein_coding
chr4	protein_coding
chr2	protein_coding
chr15	lincRNA
chr1	lincRNA
chr1	antisense
chr13	protein_coding
chr14	protein_coding
chr4	protein_coding
chr3	protein_coding
chr1	protein_coding
chr17	protein_coding
chr20	snoRNA
chr12	protein_coding
chr8	protein_coding
chr3	protein_coding
chr9	antisense
chr16	protein_coding
chr14	protein_coding
chr3	protein_coding
chr2	protein_coding
chr21	protein_coding
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chr17	protein_coding
chr3	TEC
chr10	protein_coding
chr13	protein_coding
chr15	antisense
chr17	protein_coding
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chr14	sense_intronic
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chr17	antisense
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chr3	protein_coding
chrX	protein_coding
chr21	protein_coding
chr4	protein_coding
chr3	lincRNA
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chr18	antisense
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chr5	protein_coding
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chr2	protein_coding
chr1	sense_intronic
chr20	lincRNA
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chr3	protein_coding
chr18	antisense
chr11	protein_coding
chr8	misc RNA
chrM	protein_coding
chr14	protein_coding
chr7	sense_intronic
chr14	protein_coding
chr1	protein_coding
chr1	protein_coding
chr10	protein_coding
chr12	protein_coding
chr5	protein_coding
chrX	protein_coding
chr3	antisense
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chr14	protein_coding
chr19	lincRNA
chr15	lincRNA
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chr1	lincRNA
chr8	protein_coding
chr1	protein_coding
chr6	protein_coding
chr21	protein_coding
chr20	lincRNA
chr19	protein_coding

ENSG00000210756.11	4.31394882	-0.2449548	1.22E-13	1.68E-12	0.01	0.02	0.29	0.44	PLS1	plastin 1	chr3	protein_coding
ENSG00000168931.14	7.13711947	-1.7204166	1.74E-18	5.61E-08	0.07	0.07	0.42	0.4	AR	arrestin receptor	chr3	protein_coding
ENSG00000261789.1	3.09310043	-2.6178507	0.0043894	0.02469931	0.02	0	0	0.21	RP11-709D2	--	chr16	antisense
ENSG00000074016.16	1.20497689	2.50144837	0.00010952	0.00034673	0.55	0.63	1.23	2.4	DNM1L	dynamitin 1-like	chr12	protein_coding
ENSG00000145415.15	1.69674474	-0.8903269	0.00000000	0.00000000	0.40	0.10	2528.76	2956.61	RP11-133A	ribosomal protein L13a	chr19	protein_coding
ENSG00000176811.11	-1.2219005	0.6969637	2.43E-05	0.00010979	78.82	88.72	39.28	56.68	TOMM5	translocase of outer mitochondrial membrane 5 homolog (yeast)	chr9	protein_coding
ENSG00000163395.15	-9.4019307	0.3586235	1.75E-26	6.66E-25	0.08	0.27	0	0	IGFN1	immunoglobulin-like and fibronectin type III domain containing 1	chr11	protein_coding
ENSG00000185057.18	1.78713173	-0.1165767	3.43E-05	0.00015114	0.08	0.07	0.2	0.47	CCN1	cellular communication network factor 1	chr10	protein_coding
ENSG00000107443.14	1.78713173	-0.1165767	3.43E-05	0.00015114	0.08	0.07	0.2	0.47	CCN1	cyclin 1	chr10	protein_coding
ENSG00000144728.13	-0.4451879	-1.6099575	4.63E-07	2.61E-06	0.03	0.14	0.01	0	GALNT13	polypeptide N-acetylgalactosaminyltransferase 13	chr10	protein_coding
ENSG00000156201.8	1.8444646	0.7827319	0.00000000	0.00000000	0.55	0.59	2.42	3.54	ABHD3	aldehyde dehydrogenase domain containing 3	chr11	protein_coding
ENSG00000205659.9	1.2917214	2.8237549	2.64E-05	0.00011887	1.06	1.32	4.04	3.67	UNSL2	lin-52 DREAM MuvB core complex component	chr14	protein_coding
ENSG00000110992.3	-0.511143	6.75595242	5.08E-07	1.75E-03	35.97	42.51	0.65	0.14	CCND1	cyclin D1	chr12	protein_coding
ENSG00000196632.9	8.72647188	-0.1475639	8.15E-19	1.79E-17	0	0	0.1	0.2	WNK3	WNK lysine deficient protein kinase 3	chr15	protein_coding
ENSG00000104129.8	-1.2563116	5.59621616	1.47E-05	6.96E-05	16.83	20.55	11.27	9.48	DNAIC17	DnaI (Hsp40) homolog, subfamily C, member 17	chr15	protein_coding
ENSG00000244578.11	1.66674474	-0.8903269	0.00000000	0.00000000	0.07	0.03	0.11	0.32	UNC119B1	long interspersed non-protein coding RNA 1391	chr15	lincRNA
ENSG00000174531.16	-1.0817226	5.34045639	0.00018936	0.00071756	27.25	25.36	15.92	17.24	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	chr1	protein_coding
ENSG00000197106.6	3.0728205	3.6344885	2.62E-21	7.02E-20	0.24	0.24	3.94	3.43	SLC6A17	solute carrier family 6 (neural amino acid transporter), member 17	chr1	protein_coding
ENSG00000276353.5	2.31964219	-1.1521486	4.32E-07	2.94E-06	0.07	0.05	0.08	0.42	CTC-206E66	--	chr19	antisense
ENSG00000131395.10	1.0259303	2.9304444	0.00070966	0.00021098	1.54	1.07	3.33	3.77	SLC39A11	solute carrier family 39, member 11	chr17	protein_coding
ENSG00000128165.8	-2.2460312	4.2872228	1.79E-13	2.43E-12	5.9	6.42	1.92	1.15	ADMT2	adenomucin-2	chr22	protein_coding
ENSG00000186211.8	1.52539376	6.7169601	1.59E-07	1.04E-06	20.77	17.05	69.74	75.81	TUBB3	tubulin, beta 3 class III	chr16	protein_coding
ENSG00000274671.1	-5.3778332	-2.9451057	0.00290522	0.00056312	0.04	0.37	0	0	RP11-505K9	--	chr16	antisense
ENSG00000195720.10	1.88074633	7.0229933	1.36E-11	1.34E-09	27.21	24.4	114.0	120.25	PRKVD01	ATPase, H+ translocating, 38kDa: V0 subunit d1	chr16	protein_coding
ENSG00000000891.4	3.31798901	1.89164313	2.18E-19	4.99E-19	0.05	0.09	0.74	1.02	CT7	zinc finger protein, X-linked	chr16	protein_coding
ENSG00000056060.15	1.12920599	3.76175457	0.00014408	0.00055146	0.74	0.65	1.8	2.26	UHRF1BP1	UHRF1 binding protein 1	chr14	protein_coding
ENSG00000270308.11	-5.3724655	-2.924208	0.00290522	0.00056312	0.26	0.08	0	0	RP11-1071N	--	chr14	lincRNA
ENSG00000197563.8	1.2465895	2.80388813	5.47E-05	0.00021634	0.55	0.65	1.5	2.31	PIGN	cholesterylidyltransferase 1 (cholesterol biosynthesis, class N)	chr18	protein_coding
ENSG00000178015.4	1.6651007	0.1613428	4.17E-05	0.00018165	0.14	0.25	0.87	0.78	GRP150	G protein-coupled receptor 150	chr5	protein_coding
ENSG00000136531.1	4.37769882	-1.5844702	1.73E-07	1.02E-06	0.06	0	0	1.02	RP11-178C3	--	chr17	protein_coding
ENSG00000137938.9	-1.7766837	-1.6845418	4.48E-09	3.59E-08	0.06	0.06	0	0	PRDM5	PR domain containing 5	chr5	protein_coding
ENSG00000163238.11	0.6043808	-0.3474003	1.15E-15	1.94E-14	0.01	0	0.57	0.59	TDRD10	tudor domain containing 10	chr1	protein_coding
ENSG00000118922.14	1.9424299	5.9374026	0.00039429	0.00110537	8.17	8.01	3.42	5.12	PRND1A	DENRMAAD domain containing 1A	chr1	protein_coding
ENSG00000132970.11	0.2869985	0.6741603	2.91E-25	1.03E-23	0.01	0	0.06	0.7	WASF3	WASF family member, 3	chr13	protein_coding
ENSG00000121274.11	1.14798717	1.0769538	1.14E-07	6.50E-06	0.08	0.05	0.76	0.76	PAPDS	PAT associated domain containing 5	chr16	protein_coding
ENSG00000104541.13	3.1917612	0.0259786	0.00012625	0.00050965	0.06	0.09	0.21	0.29	DTWD1	DTW domain containing 1, non-receptor tyrosine kinase	chr15	protein_coding
ENSG00000120814.4	-5.098757	5.1807819	4.10E-48	5.14E-46	25.38	23.17	0.99	0.89	LXK1L	lyxin oxidase-like 1	chr15	protein_coding
ENSG00000130181.13	1.0247122	4.9445044	1.70E-12	1.74E-11	0.41	0.31	1.41	1.5	CHD3	CH domain containing 3	chr1	protein_coding
ENSG00000106636.8	-4.6264859	7.6431356	1.51E-44	1.51E-42	101.63	93.35	4.78	5.76	SERPINE1	serpin peptidase inhibitor, clade E (nexin), plasminogen activator inhibitor type 1, member 1	chr19	protein_coding
ENSG00000104129.8	2.7436444	3.80423578	4.68E-18	9.66E-17	3.9	5.78	48.13	37.89	CNFR	conformational change factor	chr19	protein_coding
ENSG00000161396.11	1.05214039	8.1043832	0.00000000	0.00000000	0.45	0.45	0.92	4.15	KACAB1	case GRI attachment to proteins 3	chr17	protein_coding
ENSG00000157107.12	1.84911396	-0.1891986	3.53E-05	0.00015536	0.04	0.07	0.4	0.46	FCOXC2	FCM domain only 2	chr17	protein_coding
ENSG00000179078.11	1.20458075	-1.4865887	1.76E-09	1.50E-08	0.7	0	0.32	0.16	SNDR1-IT1	SNDR1 intronic transcript 1	chr17	lincRNA
ENSG00000161408.9	0.86911719	0.00000000	0.00000000	0.00000000	0.09	0.23	0	0.37	PRKAC2	protein kinase, AMP-activated, alpha 2 catalytic subunit	chr17	protein_coding
ENSG00000164574.14	-1.6380231	5.9948612	2.20E-08	1.60E-07	7.97	9.19	3.54	3.81	GALNT10	polypeptide N-acetylgalactosaminyltransferase 10	chr12	protein_coding
ENSG00000108619.11	3.55949786	-2.2348717	0.0006294	0.00226478	0.01	0	0.03	0.13	AQP6	aquaporin 6, kidney specific	chr12	protein_coding
ENSG00000197077.16	1.52116019	0.9259788	6.50E-08	4.48E-07	63.4	59.2	2.92	25.53	ABL1	ABL proto-oncogene 1, non-receptor tyrosine kinase	chr1	protein_coding
ENSG00000232231.1	1.44558113	0.33321996	0.00020676	0.00079926	0.22	0.34	0.94	1.09	RP11-573D1	--	chr1	lincRNA
ENSG00000179501.14	-0.5328082	2.9831753	0.00000000	0.00000000	0.45	0.45	0.92	1.32	ACPOC2	acetylcholinesterase B mRNA editing enzyme, catalytic polypeptide-like 38	chr22	protein_coding
ENSG00000130495.5	1.1792486	1.95367475	0.00024014	0.00091931	0.29	0.4	0.75	1.32	ZWIM6	zinc finger, SWIM-type domain 6	chr1	protein_coding
ENSG00000183723.11	1.15445995	4.33787685	9.11E-07	5.28E-06	2.3	2.28	7.64	6.16	CMTM4	KUHL-like MARVEL transmembrane domain containing 4	chr16	protein_coding
ENSG00000166145.13	6.3102415	4.9140536	2.32E-01	1.74E-01	0.66	0.68	2.14	38.7	SPN11	serine peptidase inhibitor, Kunitz type 1	chr1	protein_coding
ENSG00000263506.6	-1.6709882	3.8259013	2.77E-08	2.00E-07	4.64	5.08	2.98	2.07	KKIK	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon	chr1	protein_coding
ENSG00000274370.1	-5.633126	-2.7855467	0.0006964	0.00289128	0.48	0	0	0	AC14831.3	--	chr17	lincRNA
ENSG00000162428.2	1.511381	4.184367	0.00000000	0.00000000	0.37	0.37	0.85	3.87	SCX	scavenger basic helix-loop-helix transcription factor	chr18	protein_coding
ENSG00000120820.11	1.02057941	2.5104013	0.0010061	0.00330431	1.14	1.08	2.31	3.74	GLTB02	glycosyltransferase 2	chr12	protein_coding
ENSG00000119782.12	-1.610712	-0.5532145	0.0004671	0.00126553	0.97	0.47	0.33	0.3	KPFBP1	KPFB binding protein 18, 12.6 kDa	chr1	protein_coding
ENSG00000184616.11	1.1829581	0.3388984	0.00010811	0.00034522	1.39	1.73	0.98	1.73	ZNF897	zinc finger protein 587	chr19	protein_coding
ENSG00000248405.8	4.30853741	0.6412632	4.86E-19	1.09E-17	0.01	0.08	1.27	0.99	PRRS-ARHGAP	PRRS-ARHGAP readthrough	chr22	protein_coding
ENSG00000164940.15	1.2713869	0.00000000	0.00000000	0.00000000	0.76	0.76	0.09	1.64	PRKAC2	protein kinase, AMP-activated, alpha 2 catalytic subunit	chr17	protein_coding
ENSG00000138643.13	2.31138621	1.1902783	2.93E-10	2.75E-09	0.2	0.1	0.89	1.12	HERC6	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6	chr1	protein_coding
ENSG00000208217.15	-1.738375	2.85595761	2.05E-08	1.50E-07	2.5	2.37	1.06	0.88	NFRSF18	tumor necrosis factor receptor superfamily, member 18	chr1	protein_coding
ENSG00000142211.12	-1.7252774	1.5745894	0.00000000	0.00000000	0.09	0.09	0.4	0.04	PRPF38A	pre-mRNA processing factor 38A	chr4	protein_coding
ENSG00000122547.9	-1.4314799	2.4035394	4.63E-06	2.40E-05	1.21	1.41	0.63	0.67	EPD1	endonuclease/exonuclease/phosphatase family domain containing 1	chr7	protein_coding
ENSG00000178567.7	3.9854402	1.5923149	8.82E-23	2.59E-21	0.04	0.03	0.42	0.14	EMDZAP1	EMDZA (aforsin) interacting protein 1	chr1	protein_coding
ENSG00000208101.11	1.54854929	0.3074468	0.00015685	0.00030382	0.53	0.53	0.92	1.24	RP11-546D6	--	chr12	TEC
ENSG00000116321.14	1.1819017	0.6821269	4.26E-05	0.00018903	9.68	13.11	28.01	41.13	E4F4E2	erythroid transcription initiation factor 4 gamma, 2	chr11	protein_coding
ENSG00000197622.14	1.30410221	1.66474423	7.61E-05	0.00014036	0.31	0.52	0.97	1.74	SNCS	sorking nuclear protein	chr14	protein_coding
ENSG00000184515.9	6.3102415	2.1686721	8.95E-08	4.38E-05	0.4	0.66	1.26	0.38	REX5	brain expressed X-linked 5	chr11	protein_coding
ENSG00000198772.2	1.4830553	1.0047514	3.10E-07	1.93E-06	290.15	503.53	1621.61	1317.96	MT-CYB	mitochondrially encoded cytochrome b	chr10	protein_coding
ENSG00000204147.8	1.9106115	-0.766969	0.00013355	0.00052381	0.01	0.09	0.24	0.25	AC2B	N-acylglucosamine amidohydrolase (non-lysosomal ceramidase) 2B	chr10	protein_coding
ENSG00000175279.20	1.58297911	1.7878941	0.0168621	0.04052361	2.3	2.71	5.22	0.43	APTD1L	apoptosis-inducing, TAP3-like domain 1	chr1	protein_coding
ENSG00000171155.7	1.20736381	3.1686908	6.77E-05	0.00028025	2.17	2.71	5.22	0.9	CIGAL1C1	CIGAL1-specific chaperone 1	chr1	protein_coding
ENSG00000232771.1	-6.7975844	-1.8133737	1.32E-07	1.07E-07	0.2	0	0	0	AF127578	--	chr1	antisense
ENSG00000134152.9	1.44967607	-0.355843	0.00138295	0.00443091	0.13	0.09	0.99	0.71	KATNB1L	katanin p80 subunit B-like 1	chr15	protein_coding
ENSG00000134298.8	-5.7564407	0.3005988	5.37E-23	1.61E-21	1.13	1.77	0.02	0.04	POPCD3	poupeye domain containing 3	chr1	protein_coding
ENSG00000127880.5	1.05214039	8.1043832	0.00000000	0.00000000	0.45	0.45	0.92	4.15	KACAB1	case GRI attachment to proteins 3	chr17	protein_coding
ENSG00000209042.1	3.41854287	-2.4190721	0.00112121	0.00364442	0.3	0	2.88	2.45	SNORD12C	small nucleolar RNA, C/D box 12C	chr20	snoRNA
ENSG00000111101.10	3.55243626	3.91551696	6.45E-27	2.54E-25	0.29	0.31	4.32	0.57	PMH1H	protein phosphatase, Mg2+/Mn2+-dependent, 1H		

ENSG00000149179.12	1804587	4.96048401	1.10E-09	9.52E-09	17.87	0.64	6.88	C11orf49	chromosome 11 open reading frame 49	chr11	protein_coding
ENSG0000017086.7	12650204	0.00000000	0.00000000	0.00000000	0.00	0.00	0.03	SCN4B	sodium channel, voltage gated, type IV, beta subunit	chr11	protein_coding
ENSG00000143434.14	112669922	0.1736026	0.0074897	0.02009224	0.26	0.12	0.63	047 SEMA6C	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6C	chr11	protein_coding
ENSG00000103319.10	13309483	5.6423494	4.75E-06	2.45E-05	7.62	8.05	417	EF2K2	eukaryotic elongation factor 2 kinase	chr16	protein_coding
ENSG0000017783.5	43309568	4.3783541	8.85E-17	7.63E-06	0.48	0.00	0.59	ETDR	ectodermal dysplasia receptor 8	chr16	protein_coding
ENSG00000279122.1	656572038	1.9847127	1.05E-06	6.02E-06	0	0	0.31	03 RP11-394B2	--	chr16	TEC
ENSG00000260011.2	54694885	2.7387023	0.0013008	0.00495621	0	0	0.53	045 RP13-2014	--	chr17	lncRNA
ENSG000001019.14	46525141	3.2429535	1.39E-06	7.63E-06	0.57	0.00	0.00	214 DCMBD2	disconsin, CUB and LCC1 domain containing 2	chr17	protein_coding
ENSG00000278112.1	193235425	0.2131509	1.72E-05	8.02E-05	0.86	0.24	0.37	198 RP11-972P1	--	chr17	sense_intronic
ENSG00000196151.9	116820694	0.31501803	0.0025175	0.0058532	0.23	0.32	0.56	107 WD50B1	WD repeat, sterile alpha motif and U-box domain containing 1	chr17	protein_coding
ENSG0000017944.1	333853663	2.4705837	0.0073663	0.00584723	0.17	0.00	0.00	091 RP11-27A41	--	chr16	TEC
ENSG00000254268.1	325115021	2.18001492	9.97E-20	2.34E-18	0.39	0.93	0.83	819 RP11-398H6	--	chr18	lncRNA
ENSG0000014967.6	43593138	2.406293	0.0011611	0.00364442	0.00	0.00	0.05	001 NCV4A2	neuro-oncological ventral antigen 2	chr19	protein_coding
ENSG00000101012.12	765250091	1.97725187	5.03E-42	4.23E-40	0.03	0	4.68	398 CD40	CD40 molecule, TNF receptor superfamily member 5	chr20	protein_coding
ENSG00000101012.12	2.0461034	1.3810257	1.97E-11	2.14E-10	4.16	3.96	1.4	122 FAM131A	family with sequence similarity 131, member A	chr20	protein_coding
ENSG0000026036.1	13395459	2.7702297	0.0043889	0.0046901	0.47	0	0.05	RP11-452E15	--	chr19	antisense
ENSG0000025867.1	362073853	1.6221396	1.25E-05	5.96E-05	0	0.04	0.34	042 DENND5B-A	DENND5B antisense RNA 1	chr12	antisense
ENSG0000018917.15	296649567	0.3569188	8.36E-09	6.48E-08	0.01	0.04	0.16	035 CMT2C	cmt methyltransferase 2	chr16	protein_coding
ENSG00000105260.10	126986365	6.0001092	1.22E-05	5.81E-05	10.21	9.59	32.64	3032 ARF1	arfohead box C1	chr19	protein_coding
ENSG00000260837.1	417213804	3.1445547	0.0188973	0.00419557	0	0	0.1	004 RP11-434B1	--	chr2	lncRNA
ENSG0000022725.5	-5.210976	-0.304387	0.0053165	0.0148851	0.04	0.13	0	0 ACJ08795	--	chr2	antisense
ENSG00000179958.7	410511882	5.0774571	0.0029043	0.00102963	29.52	21.4	15.6	1685 DTPP1	dCTP pyrophosphatase 1	chr16	protein_coding
ENSG00000198781.1	13566699	1.9770073	1.25E-24	4.20E-23	182.37	193.28	28.72	2621 LAMB3	lambin, beta 3	chr1	protein_coding
ENSG0000016538.15	15479168	1.2896474	0.0110768	0.0286937	0.02	0.08	0.08	008 HECTD2	HECT domain containing E3 ubiquitin protein ligase 2	chr20	protein_coding
ENSG0000054598.6	132417822	4.0272083	4.18E-05	0.0018169	3.95	5.44	2.96	253 FOW1	forhead box C1	chr17	protein_coding
ENSG00000261324.2	471103305	0.1046705	5.00E-17	9.48E-16	0.01	0.01	0.32	042 RP11-174G6	--	chr12	sense_intronic
ENSG0000017668.15	63787808	2.9678907	8.54E-46	9.27E-44	0.00	0.01	2.26	198 MYO1D	myosin ID	chr17	protein_coding
ENSG0000011452.11	-91300322	2.28521803	5.91E-31	7.32E-49	1.4	1.45	0.01	0 GPR133	--	chr12	protein_coding
ENSG00000179242.14	-5.589964	-1.137072	1.76E-12	2.16E-11	0.11	0.08	0	0 CDH4	cadherin 4, type 1, R-cadherin (retinal)	chr20	protein_coding
ENSG0000017276.17	303224159	0.6835922	3.74E-13	4.88E-12	0.04	0.07	0	085 NAA15	Nat10-like acetyltransferase 15, Naa1 auxiliary subunit	chr13	protein_coding
ENSG0000007420.14	142857968	1.39872052	2.55E-05	0.0001448	0.29	0.33	1	123 ABEB1P	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	chr20	protein_coding
ENSG00000279764.1	374453497	2.2034493	0.0001396	0.00054609	0.02	0	0.26	015 RP11-441F2	--	chr16	TEC
ENSG0000016438.5	86920113	3.1974465	1.92E-32	5.54E-40	8.76	2.9	0.05	TLX3	T-cell leukemia homeobox 3	chr1	protein_coding
ENSG0000013862.5	14620318	8.9962286	4.51E-07	2.75E-06	69.04	84.92	35	395 LAMC1	laminin, gamma 1 (formerly LAMB2)	chr1	protein_coding
ENSG0000013267.12	8292939	1.8601404	0.0003012	0.0010965	0.07	0.00	0.00	001 NCAN	neurocan	chr19	protein_coding
ENSG0000024649.7	296625556	1.2592662	9.88E-06	4.79E-05	0.01	0.02	0.17	006 ZNF266B	zinc finger protein 266B	chr19	protein_coding
ENSG0000018566.9	216726927	2.5817366	0.0021375	0.0049365	0	0.03	0.22	0 SNA3	small family zinc finger 3	chr16	protein_coding
ENSG0000015858.5	11727600	1.5782867	0.01213	0.001076	0.25	0.00	0.55	LSM11	LSM11 U7 small nuclear RNA associated	chr17	protein_coding
ENSG0000013769.17	143931803	1.85140648	1.09E-05	5.27E-05	0.16	0.21	0.36	098 METTL8	methyltransferase like 8	chr2	protein_coding
ENSG0000013690.15	13382816	7.1178766	5.18E-24	1.67E-22	4.45	4.18	53.24	4651 TRIM29	trypsin motif containing 29	chr11	protein_coding
ENSG0000016776.14	1876499	1.676499	0.0188973	0.0041955	0.00	0.00	0.15	ACE1	alkaline aminidase	chr19	protein_coding
ENSG00000105329.8	14092632	6.9246787	1.19E-06	6.74E-06	52.12	51.07	28.89	272 TGFBI	transforming growth factor, beta 1	chr1	protein_coding
ENSG0000017727.10	-3.610469	1.3124693	7.47E-20	1.78E-18	5.02	3.69	0.61	035 CMHR-22P1	--	chr11	lncRNA
ENSG0000010732.10	2.0802875	1.7468812	5.88E-40	4.43E-38	1.67	1.9	0.19	EXP1	echinoplus 5	chr19	protein_coding
ENSG0000010928.12	-1.058621	3.6701894	0.0003502	0.0012172	5.91	4.22	3.24	325 DNAAF5	deafness, autosomal dominant 5	chr7	protein_coding
ENSG0000016598.10	4.39366316	6.1530126	4.54E-40	3.46E-38	0.32	0.34	3.95	871 RYR1	ryanodine receptor 1 (skeletal)	chr19	protein_coding
ENSG0000016294.12	2.9397387	1.5732867	1.93E-07	0.00034047	0.71	0.13	0.71	133 EXT1	extensin-like glycosyltransferase 1	chr19	protein_coding
ENSG0000025479.7	-1.5074374	7.9898782	2.08E-07	6.41E-06	234.43	276.9	136.92	10155 CHCHD10	coiled-coil helix-coiled-coil helix domain containing 10	chr22	protein_coding
ENSG0000014684.14	4.055821	2.2141471	1.67E-26	1.34E-25	0.05	0.03	0.65	102 BOP1	B double prime 1, subunit of RNA polymerase II transcription initiation factor IIB	chr10	protein_coding
ENSG0000012126.11	-5.7027271	4.2282997	5.18E-52	7.96E-50	4.52	4.98	0.11	013 ADCY7	adenylate cyclase 7	chr16	protein_coding
ENSG0000026468.12	4.078467	-0.6937876	3.46E-16	6.11E-15	0.1	0.00	0	0 CTU1	--	chr16	sense_intronic
ENSG00000234284.5	2.0735054	-2.2724913	0.0134986	0.0331641	0.02	0	0.01	013 ZNF879	zinc finger protein 879	chr19	protein_coding
ENSG0000008997.15	-1.0770927	10.5075584	0.0001454	0.0006685	47.89	41.35	26.14	26206 GANAB	glucosylase, alpha; neutral AB	chr11	protein_coding
ENSG00000104476.7	1.647446	0.955308	1.51E-08	1.13E-07	176.1	176.1	76.1	7414 NRP4	fibronectin type III domain containing protein 4, NRP4	chr17	protein_coding
ENSG0000010513.12	-1.2270705	8.18571892	1.04E-05	5.03E-05	38.14	31.77	19.76	20233 CHCHD2	coiled-coil helix-coiled-coil helix domain containing 2	chr17	protein_coding
ENSG00000184261.4	5.5959543	-2.845919	0.0025052	0.00565312	0	0	0.04	001 KNCN12	potassium channel, type 2, core domain subfamily K, member 12	chr19	protein_coding
ENSG0000016599.10	2.39861702	1.9396871	1.93E-06	0.00034047	0.00	0.07	0.00	0.66 CMT4C	calpain (calmodulin-like, transmembrane)	chr12	protein_coding
ENSG0000012083.12	3.0447374	0.45070164	3.05E-12	6.33E-11	0.02	0.05	0.38	039 SCS2C	suppressor of cytokine signaling 2	chr14	protein_coding
ENSG0000016678.10	1.2673334	-1.1197256	9.98E-06	0.0003699	0.33	0.00	0.05	055 S100A1	S100 calcium binding protein A1	chr12	protein_coding
ENSG00000277440.1	2.7221039	-2.2552204	0.0028199	0.0004087	0	0.1	0.5	042 RP11-295D4	--	chr16	sense_intronic
ENSG00000163104.16	182781073	0.5762941	2.00E-06	1.10E-05	0.09	0.09	0.23	062 SMARCA1	SMN/SMN-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/DF box 1	chr16	protein_coding
ENSG0000013769.15	18747473	1.9387867	1.93E-06	1.10E-05	0.11	0.19	0.11	019 TGA11	transglutaminase 1	chr19	protein_coding
ENSG0000017829.13	2.3053537	0.6147698	8.52E-09	6.59E-08	0.02	0.06	0.15	037 GINK	Ginkgo-Holliday junction 5 flap endonuclease	chr2	protein_coding
ENSG0000010526.9	2.1802121	0.9921538	4.64E-09	3.72E-08	0.23	0.37	1.96	1.66 WAS	Wiskott-Aldrich syndrome	chr1	protein_coding
ENSG0000023696.2	2.00021504	2.9353484	9.88E-06	2.44E-08	0.00	0.00	0.15	15 RP11-5407.1	--	chr19	lncRNA
ENSG0000015329.13	2.39961508	0.59557437	5.03E-14	7.24E-13	0.02	0.04	0.18	059 TRAPPC8	trafficking protein particle complex 8	chr18	protein_coding
ENSG00000154864.10	-8.370774	2.5526498	6.11E-52	9.28E-50	0.66	1.01	0	001 PEZC2	piezo-type mechanosensitive ion channel component 2	chr18	protein_coding
ENSG0000027957.1	1.699976	-2.1259922	0.0033181	0.0045221	0.23	0.00	0.09	020 CTG-221P1	--	chr1	antisense
ENSG0000066827.14	-1.1784165	4.2917597	6.13E-05	0.00025765	4.3	4.7	2.63	266 ZFAT	zinc finger and AT hook domain containing	chr8	protein_coding
ENSG0000017131.11	1.4883079	1.131209	2.20E-05	0.00010032	0.11	0.17	0.41	056 CCDC25	C2 calcium-dependent domain containing 5	chr12	protein_coding
ENSG0000016240.13	1.8609127	1.319613	1.93E-12	5.55E-10	0.00	0.00	0.23	226 TRAPPC8B	trafficking protein particle complex 8B	chr12	protein_coding
ENSG0000012087.5	-1.1272795	6.0279353	9.58E-05	0.0003897	10.26	9.7	5.92	627 DUSP4	dual specificity phosphatase 4	chr14	protein_coding
ENSG0000027563.11	3.0545458	-2.823992	0.0001345	0.00034047	0.00	0.00	0.08	RP11-480C1	--	chr19	lncRNA
ENSG0000014002.8	2.20623622	1.54536401	2.94E-10	2.76E-09	0.2	0.16	0.18	105 STON2	stomatin 2	chr14	protein_coding
ENSG0000019526.11	3.10644653	0.1205751	2.14E-11	2.30E-10	0.08	0	0.43	047 MORC3	MORC family CW-type zinc finger 3	chr21	protein_coding
ENSG0000026756.11	1.7746854	-1.827538	0.0033181	0.0045221	0.11	0.00	0.17	012 AC034534.2	--	chr1	antisense
ENSG00000248890.1	-7.6014249	-1.3520822	2.11E-11	2.27E-10	0.43	0.33	0	0 RHP-AS1	RHP antisense RNA 1	chr4	antisense
ENSG00000197442.9	2.0523873	2.1566734	4.64E-10	4.23E-09	0.21	0.32	0.07	152 MAPK9S	mitogen-activated protein kinase kinase 5	chr16	protein_coding
ENSG0000015727.11	1.583087	1.158282	1.78E-07	1.17E-07	0.00	0.00	0.07	008 ARHGAP20	Rho GTPase activating protein 20	chr16	protein_coding
ENSG00000505444.9	1.37178615	4.72070525	2.99E-06	1.61E-05	4.51	7.11	14.31	2594 NOP58	NOP58 ribonucleoprotein	chr10	protein_coding
ENSG0000015246.16	1.2132948	2.9474247	6.95E-05	0.0003893	0.94	1.59	3.55	426 NM12	N-methyltransferase 2	chr10	protein_coding
ENSG0000017286.10	1.8096913	2.8099871	8.52E-32	3.38E-30	0.00	0.00	0.00	031 SH3 domain	SH3 domain containing zinc finger 3	chr10	protein_coding
ENSG0000012833.11	-5.1447423	0.09489614	1.35E-20	3.41E-19	0.82	0.93	0.00	0.06 APOBEC3A	apolipoprotein B RNA editing enzyme, catalytic polypeptide-like 3A	chr22	protein_coding
ENSG0000025578.11	1.200225578	2.4096964	0.001221	0.004145	0.63	0.05	0.05	014 NCBP2-AS1	NCBP2 antisense RNA 1	chr1	antisense
ENSG00000118											

ENS00000026979	1-4079387	3-2306674	010889873	004519557	0.03	0.07	0	0.94	ITFA	lymphotxin alpha	chr6	protein_coding	
ENS00000026980	1-1282396	3-4887280	1.187E-05	8.64E-05	2.11	2.04	133	0	0	intermediate filament family orphan Z	chr1	protein_coding	
ENS00000026981	1-1943949	3-4636350	0.0004302	0.0015520	1.01	0.87	274	242	PDCHAP41	proteohexan gamma subunit A.1	chr1	protein_coding	
ENS00000026982	1-111110	3-1088695	1.29E-09	1.22E-09	2.98	2.98	111	238	ABRGEST3	Rho guanine nucleotide exchange factor (GEF) 37	chr5	protein_coding	
ENS00000026983	1-13982397	3-15721537	3.09E-05	0.00031712	0.22	0.27	057	116	SEC24B	SEC24 family member B	chr4	protein_coding	
ENS000000275023	2-3623219	2-7681163	8.93E-11	8.98E-10	0.36	0.4	155	172	SMR2C	SMK homolog 2, suppressor of mek1 (Drosophila)	chr4	protein_coding	
ENS000000275024	1-1082765	1-1058627	1.00E-04	1.00E-04	1.00	1.00	1031	1036	RL1-1	RL1-1	chr10	lncRNA	
ENS000000275025	1-11554769	3-76861225	0.0015036	0.0047425	0.25	0.33	701	12	RP11-81A11L-1	RP11-81A11-1	chr15	sense_intronic	
ENS000000275026	1-120303627	1-120303627	0.0000000	0.0000000	0.07	0.17	275	10	LOC100288192	LIQ and tumor necrosis factor related protein 2	chr15	protein_coding	
ENS00000033588	1-14753278	1-12068025	0.00007	0.0009098	0.06	0.17	027	055	FBXL2	F-box and leucine-rich repeat protein 2	chr2	protein_coding	
ENS00000033589	1-10797985	2-3021027	0.00072854	0.0024692	0.59	0.56	126	194	UBA5	ubiquitin-like modifier activating enzyme 5	chr3	protein_coding	
ENS00000034099	1-9718106	1-1002966	0.0000000	0.0000000	0.4	0.4	140	1	POK4	prostate derived homeobox like kinase, isoform 4	chr1	protein_coding	
ENS00000034098	1-20931812	3-28554285	2.04E-11	2.21E-10	0.07	0.17	237	458	MOB1A	MOB kinase activator 1	chr2	protein_coding	
ENS00000034099	1-12308425	1-1083324	0.0003282	0.0013948	0.82	0.07	03	07	ASB9	ASB family and SOCS box containing 9	chr1	protein_coding	
ENS00000034098	1-20975007	2-408811	0.0003525	0.0003525	0.9	0.05	0	0	ADPR-antennae RNA	ADPR-antennae RNA	chr2	antisense	
ENS00000034098	1-2790159	1-2617502	0.0014675	0.0046747	0.45	0.24	009	0.04	ADP17014.6	ADP17014.6	chr2	crossed_transcript	
ENS00000032389	1-6575035	1-2610225	1.78E-06	9.85E-06	0.14	0.11	01	0	CA8PA	complement component 4 binding protein, alpha	chr1	protein_coding	
ENS00000032389	1-20978179	3-183444	0.0000000	0.0000000	0.11	0.35	0	0	KCNAC2	potassium channel, two pore domain subunit A, member 2	chr7	protein_coding	
ENS000000341533	1-755588405	1-1180946	2.11E-11	2.27E-10	0	0	027	0	NOTO	notochord homeobox	chr7	protein_coding	
ENS000000341534	1-22543573	1-2581978	0.0011926	0.0011926	0.08	0.21	082	234	ACTR6	homeobox A2	chr2	protein_coding	
ENS000000341535	1-3103021	1-1478666	6.52E-15	1.53E-13	0.08	0.21	082	234	ACTR6	actin related protein 6 homolog (yeast)	chr2	protein_coding	
ENS000000341536	1-1132374	1-74877804	8.69E-05	0.0003489	93.17	76.48	5365	4945	TSTA3	tissue specific translocation antigen P58	chr1	protein_coding	
ENS000000341537	1-20959819	1-7710515	0.0000000	0.0000000	0.25	0.25	188	SNAP23	synaptosomal-associated protein, 23kDa	chr2	protein_coding		
ENS00000034524	1-12619405	1-4664661	1.65E-06	7.74E-05	1.58	4.58	1163	162	AKR1A1	akrin 1	chr1	protein_coding	
ENS000000344918	1-1608174	1-99674565	6.68E-08	2.60E-07	280.36	280.14	12667	11615	RP515A	ribosomal protein S15a	chr1	protein_coding	
ENS000000344919	1-5492920	1-59952015	0.0000000	0.0000000	0.15	0.15	07	0	LOC100288192	prostate derived homeobox like kinase, isoform 2	chr15	protein_coding	
ENS000000344918	1-2594265	1-1557207	3.51E-05	0.0002749	0.11	0.17	002	0.04	MCOLN2	mucopolysaccharide receptor subunit 2	chr1	protein_coding	
ENS000000340471	1-5226735	1-2777768	0.0009502	0.0009502	0.0	0.21	02	0.02	KRT2P	keratin (chemosensory) transporter protein 2	chr1	protein_coding	
ENS000000340472	1-32195931	1-5427774	0.000327	0.000327	0.04	0.26	0.04	0.06	0.04	LOC11-33311L-1	LOC11-33311L-1	chr1	protein_coding
ENS000000340473	1-5245479	1-1000000	0.0000000	0.0000000	0.9	0.9	0	0	LOC11-33311L-1	LOC11-33311L-1	chr1	lncRNA	
ENS000000340474	1-1209702	1-2863714	7.70E-05	0.0003179	0.96	0.96	198	379	AB1	ab-tubulin	chr10	protein_coding	
ENS000000340475	1-11339912	1-2561621	0.0011926	0.0011926	0.08	0	0	0	GALT3	polypeptide N-acetylglucosaminyltransferase 3	chr2	protein_coding	
ENS000000340476	1-4609028	1-1000000	0.0000000	0.0000000	23.46	23.46	483	483	APRCL	actin related protein 2/3 complex, subunit 5	chr2	protein_coding	
ENS000000340477	1-4581239	1-31159061	2.71E-15	1.61E-13	0.32	0.32	815	847	USP1F	ubiquitin specific peptidase 18	chr22	protein_coding	
ENS000000340478	1-10078864	1-10928756	1.30E-07	1.59E-07	0.07	0.21	0.05	0.04	PTC7	PTC7 protein specific translocation homolog G, 5kDa	chr1	protein_coding	
ENS000000340479	1-1314629	1-800789	0.0003094	0.0048051	0.11	0.11	RP11-187N1L-1	RP11-187N1L-1	chr1	protein_coding			
ENS000000340480	1-1262805	1-3480442	1.28E-05	6.11E-05	19.28	17.5	1002	1042	RP11-287D1L-1	RP11-287D1L-1	chr1	protein_coding	
ENS000000340481	1-4884317	1-3005059	0.0089873	0.0319557	0	0	0.18	0.18	LOC11-34502L-1	LOC11-34502L-1	chr1	TEC	
ENS000000340482	1-1809513	1-2383359	2.62E-07	1.02E-06	0.44	1.04	0.04	1.04	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340483	1-31217081	1-06501781	2.85E-13	3.78E-12	0.05	0.05	0.05	0.05	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340484	1-35181437	1-018048745	1.00E-09	1.00E-11	0.48	0.48	0.48	0.48	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340485	1-13981198	1-031472845	0.0001313	0.0021994	0.72	1.0	0.52	0.52	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340486	1-1060305	1-57064965	0.0002503	0.0003383	14.68	12.67	833	913	Chor3	chromosome 9 open reading frame 3	chr9	protein_coding	
ENS000000340487	1-26161524	1-1000000	0.0000000	0.0000000	2.08	2.08	2.08	2.08	EPASBP2	epithelial specific protein 2	chr1	protein_coding	
ENS000000340488	1-53770238	2-90133968	1.60E-10	1.26E-38	0.07	0.07	205	251	FAM111A	family with sequence similarity 111, member A	chr1	protein_coding	
ENS000000340489	1-19624080	1-2269191	1.80E-09	1.52E-08	0.54	1.32	249	303	NMD3	NMD3 ribosome export adaptor	chr1	protein_coding	
ENS000000340490	1-1311131	1-1000000	0.0000000	0.0000000	0.46	0.46	1.04	1.04	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340491	1-33115145	1-1869843	0.0002363	0.0004222	0	0.03	0.24	0.24	NDP1A	speedy/RINGO cell cycle regulator family member A	chr3	protein_coding	
ENS000000340492	1-1359366	1-9440235	2.54E-06	3.8E-05	49.45	40.01	252.34	214.71	RP515A	ribosomal protein S9	chr1	protein_coding	
ENS000000340493	1-21545298	1-8868743	0.0003655	0.0013124	0.79	0.81	212	298	CHN1	chimerin 1	chr1	protein_coding	
ENS000000340494	1-1256867	1-2578753	0.0012315	0.045865	0.05	0.15	0	0	CALR3	calreticulin 3	chr1	protein_coding	
ENS000000340495	1-2604252	1-2604252	5.16E-22	1.06E-21	29.36	52.2	0.05	0.05	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340496	1-3407173	1-0518211	1.03E-10	1.03E-09	0.28	0.46	0	0	SM1	serpin, alpha 1, angiotensin inhibitor	chr1	protein_coding	
ENS000000340497	1-1000000	1-1000000	0.0000000	0.0000000	0.48	0.48	0.48	0.48	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340498	1-3561489	1-0219214	4.26E-15	6.86E-14	0.5	0.24	0.04	0.04	TYH2	twisted family member 2	chr17	protein_coding	
ENS000000340499	1-1058732	1-1315465	0.0089873	0.0319557	0.05	0	0	0	PHB2	proteohexan beta 2	chr1	protein_coding	
ENS000000340500	1-20347876	1-2986124	0.0000000	0.0000000	0.5	0.5	17	0.07	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340501	1-19437064	1-8314326	0.0067596	0.0128445	0.01	0.23	0.02	0.02	LOC11-34502L-1	LOC11-34502L-1	chr1	sense_intronic	
ENS000000340502	1-1881768	1-6841924	1.70E-10	1.64E-09	105.11	93.52	43.69	27.75	RASL	related Ras viral r-ras oncogene homolog	chr19	protein_coding	
ENS000000340503	1-2310323	1-1742422	1.00E-08	1.00E-08	0.78	0.78	0.78	0.78	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340504	1-2033038	1-1265976	0.0061421	0.0167895	3.22	2.39	0.39	0.39	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340505	1-1062398	1-2695944	0.0012315	0.046803	0.58	0.58	0.58	0.58	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340506	1-3304172	1-458904	1.00E-09	1.00E-09	45.24	37.4	0.05	0.05	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340507	1-1973735	1-05943612	2.11E-10	2.02E-09	6.21	6.69	233	204	TWIST1	twist family BHLH transcription factor 1	chr3	protein_coding	
ENS000000340508	1-1000000	1-1000000	0.0000000	0.0000000	1.19	1.19	0.16	0.16	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340509	1-2046028	1-0944362	8.80E-07	5.11E-06	1.11	0.97	0.49	0.2	TPR1	TPR1	chr1	protein_coding	
ENS000000340510	1-1826151	1-53771142	6.38E-10	5.72E-09	15.95	12.33	57	492	RP11-3300H-1	RP11-3300H-1	chr1	protein_coding	
ENS000000340511	1-8370667	1-0001928	1.00E-09	1.00E-09	0.49	0.49	0.49	0.49	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340512	1-62302796	1-6175577	1.10E-24	3.71E-23	0	0.02	1.06	0.69	ATG9B	atrophin related 9B	chr7	protein_coding	
ENS000000340513	1-32271569	1-2543599	0.000327	0.0094516	0	0.06	0.53	0.34	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340514	1-2327223	1-481933	1.38E-05	5.44E-05	0.28	0.17	0.35	0.17	LOC11-34502L-1	LOC11-34502L-1	chr1	lncRNA	
ENS000000340515	1-1089992	1-0051799	0.0003957	0.0007892	3.25	4.29	199	27	RP11-51195-1	RP11-51195-1	chr1	lncRNA	
ENS000000340516	1-3287513	1-0410395	4.32E-09	4.94E-08	0.05	0.05	0.43	0.43	CEP90	centromere protein 9	chr1	protein_coding	
ENS000000340517	1-340022	1-340022	1.00E-09	1.00E-09	0.25	0.32	132	132	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340518	1-39791075	1-03441384	2.02E-15	3.54E-14	0.04	0.92	19	19	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340519	1-1000000	1-1000000	0.0000000	0.0000000	14.14	14.14	14.14	14.14	BAH2P1	BAH2P1	chr1	protein_coding	
ENS000000340520	1-19681302	1-0574376	4.25E-05	0.0001846	0.05	0.23	0.13	0.13	PD7E	phosphatidylesterase 7B	chr1	protein_coding	
ENS000000340521	1-1373975	1-3025896	2.00E-06	1.15E-05	91.99	85.98	4337	4826	EXOSC2	exosome component 2	chr9	protein_coding	
ENS000000340522	1-1000000	1-1000000	0.0000000	0.0000000	0.01	0.16	0.06	0.16	LOC11-34502L-1	LOC11-34502L-1	chr1	protein_coding	
ENS000000340523	1-12007121	1-1215900	0.0056625	0.0002383	0.32	0.47	198	0.71	SCARN2	small Caudal-like protein 2	chr1	protein_coding	
ENS000000340524	1-29047127	1-1100789	1.10E-13	1.53E-12	0.07	0.16	0.05	0.16	LOC11-34502L-1	LOC11-34502L-1			

ENSG0000018865.9	1.4674989	0.15364897	0.00032853	0.00181768	0.14	0.26	0.05	0.82	DUS4L	dihydropyridine synthase 4-like (S. cerevisiae)	chr7	protein_coding
ENSG0000018402.13	1.1652922	0.2584344	0.00017683	0.001578	0.7	0.03	0.02	2.44	ESR1B1	estrogen receptor, beta, nuclear hormone receptor	chr20	protein_coding
ENSG0000018406.17	2.403999	0.2584344	0.00017683	0.001578	0.7	0.03	0.02	0.35	EDM3	ER degradation enhancer, mannosidase alpha-like 1	chr1	protein_coding
ENSG0000015661.12	1.9090453	5.53995746	1.166-10	1.15E-09	16.33	15.67	0.62	5.31	STK16	serine/threonine kinase 16	chr1	protein_coding
ENSG00000204874.4	1.9789579	1.981781	0.00017683	0.001578	0.7	0.03	0.02	0.05	AC0222182	...	chr1	lncRNA
ENSG00000166454.8	2.00053076	3.54607282	8.27E-11	8.34E-10	0.61	0.64	2.68	4	ATMIN	ATM interactor	chr16	protein_coding
ENSG00000181908.5	2.44195762	1.7364555	0.00095666	0.00015336	0	0.05	0.25	0.12	AR0073744	...	chr11	lncRNA
ENSG0000018711.9	1.3276757	0.01736278	6.09E-13	7.70E-12	0.1	0.07	0.16	0.08	PLA2G4A	phospholipase A2, group IVA (cytosolic, calcium-dependent)	chr1	protein_coding
ENSG00000266112.1	6.19050648	2.2628719	2.70E-05	0.00012904	0	0	0.57	0.59	RP11-62H20--	...	chr14	antisense
ENSG00000267280.4	1.8131795	2.490403	1.24E-09	5.66E-08	6.21	5.52	3.24	2.05	TRIC-AS1	TBK2 antisense RNA 1	chr1	antisense
ENSG00000207817.1	1.0547418	2.253411	7.15E-10	6.39E-09	0.49	0.53	0.49	3.78	GLA17B	discl. large (Drosophila) homolog-associated protein 5	chr14	protein_coding
ENSG00000179846.8	5.4500894	0.77686591	1.97E-24	6.54E-23	0.02	0	0.63	0.79	NP0P1	NTPase, KAP family P-loop domain containing 1	chr19	protein_coding
ENSG0000017592.7	1.7930495	1.8907756	1.08E-07	7.21E-07	0.55	0.87	1.71	4.91	LACTB2	lactamase, beta 2	chr1	protein_coding
ENSG00000083312.6	1.6309344	4.31362762	4.46E-08	3.12E-07	0.69	0.7	2.16	3.61	TNP01	transcriptin 1	chr1	protein_coding
ENSG00000278671.1	1.42717934	1.483649	2.19E-05	9.98E-05	2.18	3.89	12.72	8.94	HST1H2AM	histone H2A1, H2am	chr5	protein_coding
ENSG00000165311.8	1.27400367	1.3891183	0.0001614	0.00030959	0.56	4.6	1.54	2.22	ANKRD2	ankyrin repeat family A (RFXANK-like), 2	chr5	protein_coding
ENSG0000019565.7	1.3200222	7.2734949	5.03E-06	2.59E-05	29.45	26.87	87.59	99.51	NPC2	Niemann-Pick disease, type C2	chr14	protein_coding
ENSG00000214063.9	1.1136984	6.5768363	8.12E-05	0.00033385	60.17	50.87	35.87	31.34	TPSN4N	tetraspanin 4	chr11	protein_coding
ENSG00000140447.19	4.4159877	4.14402792	1.08E-37	7.20E-35	0.06	0.12	0.25	0.25	CCN1	Gli family zinc finger 2	chr2	protein_coding
ENSG00000173951.1	1.6337282	0.27561626	5.18E-05	0.00020246	0.16	0.19	0.58	0.89	RP11-521B2--	WD repeat containing planar cell polarity effector	chr14	TEC
ENSG00000149451.4	1.9595662	0.35801741	6.19E-07	4.78E-06	0.02	0.07	0.22	0.27	WDRCP	WD repeat containing planar cell polarity effector	chr12	protein_coding
ENSG00000082497.10	1.27400367	1.3891183	0.0001614	0.00030959	0.56	4.6	1.54	2.22	ANKRD2	ankyrin repeat family A (RFXANK-like), 2	chr5	protein_coding
ENSG00000101336.11	3.49920679	1.7117103	4.49E-05	0.00019431	0.02	0	0.22	0.22	HCK	HCK proto-oncogene, Src family tyrosine kinase	chr20	protein_coding
ENSG00000138291.12	1.47669914	1.44809352	1.17E-05	5.59E-05	0.21	0.15	0.05	0.07	MEM13	transmembrane protein 13	chr12	protein_coding
ENSG0000026531.11	6.7654536	2.2259794	8.86E-45	8.92E-43	7.51	2.98	0.05	0.07	RSL1	rat guanine nucleotide dissociation stimulator-like 3	chr1	protein_coding
ENSG00000251095.5	2.401895	1.3025998	0.0001901	0.00043503	0.02	0.01	0.08	0.11	RP11-115D1--	...	chr1	antisense
ENSG00000144217.10	2.0372318	0.0166327	9.73E-05	0.00061818	0.04	0.07	0.26	0.33	CCN1	zinc finger, C2HC-type containing 1A	chr9	protein_coding
ENSG0000027362.12	2.42293196	0.02764436	6.50E-08	4.48E-07	0.09	0.07	0.42	0.72	ABHD17B	abhydrolase domain containing 17B	chr9	protein_coding
ENSG00000214562.8	1.1151766	6.67954056	0.0001917	0.00043559	104.33	96.99	64.95	58.75	SNRPC	snRNP core protein, ribonucleoprotein polypeptide C	chr6	protein_coding
ENSG0000016488.7	1.0789235	2.018793	0.0004461	0.0012013	0	0.03	0.2	0.13	CTNBP1	cytoskeleton-associated protein 1	chr1	protein_coding
ENSG00000178904.17	1.71461973	0.59997958	5.94E-06	3.01E-05	0.06	0.08	0.23	0.34	DPY19L3	day-19 like 3 (C. elegans)	chr19	protein_coding
ENSG00000197415.10	1.68912621	1.3238696	0.0036829	0.0103682	0.05	0	0.08	0.12	VEPFI	ventricular zone expressed PH domain-containing 1	chr1	protein_coding
ENSG00000166664.12	1.26802129	2.8845113	0.0151667	0.032166	0.05	0.04	0.15	0.27	CHRNA7	cholinergic receptor, nicotinic, alpha 7 (alpha 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	chr1	protein_coding
ENSG0000011432.4	4.4771703	3.67400489	4.67E-40	3.55E-38	6.14	6.02	2.29	0.73	CZD10	fizzled class receptor 10	chr12	protein_coding
ENSG00000167202.10	1.2905995	5.7651172	8.86E-45	8.92E-43	7.51	2.98	0.05	0.07	RSL1	TBK2 domain family, member 2B	chr1	protein_coding
ENSG0000010241.6	1.0547418	2.253411	7.15E-10	6.39E-09	0.49	0.53	0.49	3.78	GLA17B	discl. large (Drosophila) homolog-associated protein 5	chr14	protein_coding
ENSG0000017493.19	2.24793601	4.05281879	2.39E-13	3.15E-12	0.46	0.49	2.7	3.36	AFI1	AFI4/RN2 family, member 1	chr4	protein_coding
ENSG00000105979.13	1.3202492	0.0166327	9.73E-05	0.00061818	0.04	0.07	0.26	0.33	CCN1	zinc finger, C2HC-type containing 1A	chr9	protein_coding
ENSG00000106999.28	2.19117588	0.06999928	4.22E-07	2.59E-06	0.02	0.06	0.11	0.39	CEP135	centrosomal protein 135kDa	chr10	protein_coding
ENSG00000166866.11	2.3267993	2.4471895	0.0024943	0.0485277	0.07	0.02	0.02	0.02	MYO1A	myosin IA	chr12	protein_coding
ENSG00000130203.8	2.44244904	3.44549616	6.51E-13	8.45E-12	16.86	14.79	49.07	14.79	AFK1	afadin-like protein E	chr1	protein_coding
ENSG00000104971.11	1.829989	0.0496673	2.10E-06	1.15E-05	0.02	0.36	0.73	0.13	DHX58	DEKH (Arg-Glu-X-His) box polypeptide 58	chr17	protein_coding
ENSG0000016525.16	2.39542799	2.66895082	1.81E-13	2.43E-12	0.23	0.27	1.1	2.46	MEM	neuronal growth modulator	chr14	protein_coding
ENSG00000128395.1	1.8982462	2.3832028	0.0003332	0.00140078	0.01	0.02	0.11	0.02	RP11-216B9--	...	chr1	antisense
ENSG00000175348.8	1.148531	4.7049899	8.26E-05	0.00033936	25.37	25.33	1463	15.86	LSM1	LSM1, U6 small nuclear RNA associated	chr8	protein_coding
ENSG00000184028.11	1.4934981	1.71596612	5.20E-06	2.66E-05	1.43	1.73	0.73	0.58	TBX1	T-box 1	chr22	protein_coding
ENSG00000121967.7	4.05281879	1.45293984	3.90E-46	3.00E-38	0.45	0.22	0.1	0	MKCA5A	melanoma antigen family A3	chr1	protein_coding
ENSG00000133475.15	0.8029278	0.9428312	5.27E-14	7.56E-13	0.42	0.25	0	0	GGT2	gamma-glutamyltransferase 2	chr22	protein_coding
ENSG00000109139.12	7.9454447	1.0451986	1.29E-05	7.33E-34	0.1	0.43	0	0.43	PCSK5	proprotein convertase subtilisin/kexin type 5	chr9	protein_coding
ENSG0000016752.13	1.073003	8.7838777	0.00018633	0.00070721	307.01	280.14	185.37	186.65	PP2S	farnebsyl diphosphate synthase	chr1	protein_coding
ENSG0000024125.3	1.1760525	4.72243982	5.67E-05	0.00023954	11.56	11.08	7.72	5.58	SHHG3	small nuclear RNA host gene 3	chr1	sense_intronic
ENSG00000106211.8	1.868307	1.0166327	2.00E-10	1.31E-09	0.9	0.9	147.89	13.38	HPSP1	HPSP1 (72kDa protein)	chr1	protein_coding
ENSG00000198162.11	2.39905902	3.57766831	1.96E-14	2.94E-13	0.3	0.42	2.16	2.82	MAN1A2	mannosidase, alpha class 1A, member 2	chr1	protein_coding
ENSG0000027631.1	2.6856927	0.5261302	1.54E-10	1.50E-09	0.03	0.06	0.31	0.46	RP11-359E3--	...	chr1	antisense
ENSG00000171789.1	1.9148957	2.886879	0.0001614	0.00030959	0.56	4.6	1.54	2.22	ANKRD2	ankyrin repeat family A (RFXANK-like), 2	chr5	protein_coding
ENSG00000166263.12	4.4601438	0.1256314	6.12E-15	9.74E-14	0.01	0	0.12	0.08	STXBPA	syntaxin binding protein 4	chr17	protein_coding
ENSG0000013263.14	2.8125874	3.38980257	2.72E-18	5.74E-17	1.03	0.82	0.9	7.76	REF2	refectin accessory protein 2	chr1	protein_coding
ENSG00000103212.12	4.05281879	1.45293984	3.90E-46	3.00E-38	0.45	0.22	0.1	0.29	ELTV	ectodermless variant 1	chr1	protein_coding
ENSG0000018263.12	2.62578	2.6445964	0.0052196	0.01522223	0.02	0.01	0	0	FIGN	figetin	chr1	protein_coding
ENSG00000125434.9	1.2938007	2.849439	1.29E-05	0.00033936	25.37	25.33	1463	15.86	LSM1	LSM1, U6 small nuclear RNA associated	chr8	protein_coding
ENSG00000162913.9	1.1440536	1.5146779	0.0020374	0.0303863	0.3	0.51	0	0.37	C1orf45	chromosome 1 open reading frame 145	chr1	protein_coding
ENSG0000027702.11	1.2329154	0.632739	0.00010345	0.029499	0.83	0.47	2.67	1.49	RP11-44N22--	...	chr1	processed_transcript
ENSG00000166564.12	2.5649071	0.0166327	9.73E-05	0.00061818	0.04	0.07	0.26	0.33	CCN1	zinc finger, C2HC-type containing 1A	chr9	protein_coding
ENSG00000102587.12	1.50455234	0.00587526	1.28E-06	7.22E-06	1534.18	3064.91	9104.66	6958.95	NP-ATP8	mitochondrially encoded ATP synthase 8	chrM	protein_coding
ENSG00000182580.2	2.9231967	1.1639002	4.46E-14	6.45E-13	0.06	0.13	0.91	1.02	EPH3	Eph receptor B3	chr1	protein_coding
ENSG00000128708.11	1.034452	2.8862943	2.00E-10	1.31E-09	0.9	0.9	147.89	13.38	HPSP1	HPSP1 (72kDa protein)	chr1	protein_coding
ENSG00000162881.1	5.5046016	2.38012583	6.11E-37	3.89E-35	0	0	0.09	0.13	KNK1071	KNK1, opposite strand/antisense transcript 1 (non-protein coding)	chr11	antisense
ENSG00000199194.5	1.0459956	9.45244001	0.0027832	0.0101954	67.01	75.22	183.79	206.98	SD2	SD2 (delta-9-desaturase)	chr10	protein_coding
ENSG00000192341.1	1.9869703	0.7901529	0.0333023	0.0434343	0.4	0.19	0.5	0.36	AROD3-AS1	AROD3 antisense RNA 1	chr1	protein_coding
ENSG00000163129.2	2.0843976	0.1035679	1.24E-06	7.02E-06	0.04	0.13	0.4	0.56	HELO	helix, POLQ-like	chr1	protein_coding
ENSG00000163521.14	1.0459956	2.7201128	0.0060735	0.0203939	2.23	2.92	0.3	1.45	GLB1	galactosylase, beta 1-like	chr2	protein_coding
ENSG00000147863.10	1.0459956	2.7201128	0.0060735	0.0203939	2.23	2.92	0.3	1.45	GLB1	galactosylase, beta 1-like	chr2	protein_coding
ENSG00000138967.11	4.8079387	3.2306674	0.00189873	0.04519567	0.01	0.03	0	0	ACVRL1	activin A receptor type II-like 1	chr12	protein_coding
ENSG00000101505.5	1.0459956	2.7201128	0.0060735	0.0203939	2.23	2.92	0.3	1.45	GLB1	galactosylase, beta 1-like	chr2	protein_coding
ENSG00000128340.13	4.6158336	1.9252317	2.62E-06	1.42E-05	0.26	0.07	0.02	0	RAC2	ras-related G3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	chr22	protein_coding
ENSG00000174920.8	3.3469108	0.4070533	1.98E-11	2.15E-10	0.1	0.05	0.86	1.18	RND1	Rho family GTPase 1	chr12	protein_coding
ENSG00000197038.4	1.0529475	1.0459956	2.7201128	0.0060735	2.23	2.92	0.3	1.45	GLB1	galactosylase, beta 1-like	chr2	protein_coding
ENSG00000149909.9	1.0459956	2.7201128	0.0060735	0.0203939	2.23	2.92	0.3	1.45	GLB1	galactosylase, beta 1-like	chr2	protein_coding
ENSG0000023194.1	5.8924048	2.8371288	0.00026535	0.0009747	0.34	0.16	0	0	RP11-31343-3	...	chr1	antisense
ENSG00000133441.14	3.5454022	2.1966889	1.98E									

ENSG0000013953.15	1331684	1.06768314	0.00016048	0.00061731	0.09	0.1	0.17	0.46	XPC4	exportin 4	chr13	protein_coding
ENSG0000013538.17	-4574104	4.2671864	0.00000000	0.00000000	0.01	0.07	0.01	1.07	DNAH10	discs, large homolog 4 (Drosophila)	chr17	protein_coding
ENSG0000018577.14	-8809534	3.99858158	1.01E-11	4.40E-69	7.04	6.16	0	0.03	C6orf223	chromosome 6 open reading frame 223	chr6	protein_coding
ENSG0000016644.11	-1.9863444	9.7074936	1.58E-11	1.73E-10	190.17	149.36	58.33	56.12	RPL27A	ribosomal protein L27a	chr11	protein_coding
ENSG0000018507.15	1.8629623	1.4357635	3.60335447	1.01E-16	8.98E-15	0.48	0.48	0.37	HBP2	hsp70-binding protein 2	chr2	protein_coding
ENSG0000012737.11	1.38593297	0.00989383	0.02503712	0.03	0.03	0.1	0.12	0.12	CTD-228P1	--	chr1	antisense
ENSG00000254788.5	2.18513157	-1.4561386	0.00061439	0.00211279	0.02	0.11	0.44	0.4	CKLF-CDMTM	CKLF-CDMTM readthrough	chr16	protein_coding
ENSG0000016734.12	6.3623166	3.9587691	4.04E-55	7.70E-53	0.03	0.37	23.15	1.61	DNTPB2	de novo nucleotide transferase, terminal, interacting protein 2	chr12	protein_coding
ENSG0000013375.8	1.8629623	1.4357635	8.23E-08	5.68E-07	0.19	0.23	0.66	1.38	CAPP7	calpain 7	chr12	protein_coding
ENSG0000025675.5	1.55236896	1.3726916	8.42E-05	0.0004174	0.1	0.18	0.13	1.8	ILK1	integrin-like kinase 1	chr9	protein_coding
ENSG00000076010.13	-1.8539481	5.8938278	3.22E-10	3.01E-09	18.21	18.18	6.93	6.47	GBA2	glucosylase, beta feta acid 2	chr9	protein_coding
ENSG0000016174.10	-2.2512212	3.9782907	3.65E-07	0.00000000	72.73	72.13	20.22	20.62	PLCGB3	phospholipase C, beta 3	chr17	protein_coding
ENSG00000181619.11	1.2423803	-0.482905	0.00634804	0.0177626	0.02	0.12	0.19	0.23	GRP135	G protein-coupled receptor 135	chr14	protein_coding
ENSG00000198067.7	2.28173045	0.48633568	1.62E-08	1.20E-07	0.03	0.1	0.44	0.43	CD2AP	CD2-associated protein	chr6	protein_coding
ENSG0000019996.12	-1.3673335	9.74086104	1.26E-05	2.39E-05	5.48	6.5	3.17	3.02	STB16	zinc finger and BTB domain containing 16	chr11	protein_coding
ENSG00000279594.1	5.36404116	-2.8022277	0.02905622	0.00856312	0	0	0.18	0.03	RP11-950C1	--	chr14	TEC
ENSG00000008830.10	-1.2980563	4.64001754	9.45E-06	4.61E-05	6.07	5.68	3.4	2.97	POMT2	protein-O-mannosyltransferase 2	chr14	protein_coding
ENSG0000025426.9	-2.197335	1.98055537	1.07E-11	2.96E-10	3.33	2.08	0.6	0.97	KRT81	keratin 81, type 2	chr12	protein_coding
ENSG00000197647.10	-6.9339742	-1.8836908	8.18E-08	5.55E-07	0.19	0.12	0.1	0	ZNF433	zinc finger protein 433	chr19	protein_coding
ENSG00000141232.4	2.24980024	4.71796022	1.17E-13	1.62E-12	2.76	3.11	7.61	19.63	TBR1	transducer of ERBB2, 1	chr17	protein_coding
ENSG00000167653.4	4.9418235	9.92541176	1.10E-42	9.95E-41	31.93	31.77	100.33	90.39	PSCA	prostate stem cell antigen	chr8	protein_coding
ENSG00000235560.3	-1.1202169	1.66373092	0.00050856	0.00177434	2.08	1.72	1.73	0.06	CTD-203P2	--	chr16	antisense
ENSG00000249196.16	1.8143929	5.57602767	2.26E-12	2.15E-09	21.01	19.4	7.06	6.93	TGDC	TOX high mobility group box family member 2	chr20	protein_coding
ENSG00000277423.1	2.9596882	-2.0731952	0.0014075	0.00467247	0	0.14	0.62	0.92	RP11-173P1	--	chr16	protein_coding
ENSG00000088954.4	-2.416431	-1.3457308	2.93E-05	0.00013052	0.84	0.6	0.1	0.25	PAGE1	P antigen family member 1 (prostate associated)	chr17	protein_coding
ENSG00000147889.15	1.5913636	9.2360303	4.38E-06	3.07E-07	239.55	251.66	112.59	85.25	CNDNA	cyclic-dependent kinase inhibitor 2A	chr9	protein_coding
ENSG00000131747.13	2.28006451	5.3488427	3.25E-14	4.77E-13	1.78	2.12	9.39	16.03	TOP2A	topoisomerase (DNA) II alpha 170kDa	chr17	protein_coding
ENSG0000016929.12	1.07076168	1.28331543	0.00299627	0.00881199	0.42	0.32	0.77	1.22	FGM2	phosphoglucomutase 2	chr4	protein_coding
ENSG0000054218.10	6.9869844	-1.658032	3.05E-08	2.18E-07	0	0.13	1.75	0.13	LY75	glycosylase antigen 75	chr2	protein_coding
ENSG00000278989.1	-5.5276337	-2.8606046	0.0018008	0.0049521	0	0.12	0	0	RP11-762L8	--	chr11	TEC
ENSG00000254358.1	3.99971871	-2.0224751	3.06E-05	0.00013563	0	0.01	0.19	0.11	RP11-466F5	--	chr1	antisense
ENSG0000017189.11	1.1587181	2.8803892	0.0002562	0.00059219	0.47	0.48	1.11	1.61	SPRMA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	chr2	protein_coding
ENSG00000153823.17	-1.9625894	3.51612542	1.37E-10	1.34E-09	5.16	4.91	1.46	1.99	PDI	phospholipase transfer domain containing 1, pseudogene	chr1	protein_coding
ENSG00000219067.7	-2.072323	-2.551704	0.00081266	0.00282882	0.23	0.23	0.14	0.02	FAM228P	family with sequence similarity 228, member B	chr16	protein_coding
ENSG0000025940.2	-2.5797546	-2.038771	0.0006978	0.00209711	0.02	0.06	0.27	0.06	CTD-302P2	--	chr16	antisense
ENSG00000152223.11	1.0050855	2.661707	0.0016814	0.00347011	0.25	0.28	0.72	0.7	EPGS	ectopic P-granules autophagy protein 5 homolog (C. elegans)	chr18	protein_coding
ENSG00000178542.5	2.2824910	7.7852764	1.61E-15	2.04E-14	2.4	2.4	1.2	1.65	SEPRIN9	serpin peptidase inhibitor 5A, member 9 (ovalbumin), member 9	chr6	protein_coding
ENSG00000139674.5	-6.4909185	3.35560292	1.42E-04	1.39E-43	3.55	3.91	0.11	0.11	STR1	somatostatin receptor 1	chr10	protein_coding
ENSG00000154493.16	-1.9062571	-1.3979174	0.0014233	0.00439562	0.11	0.11	0.06	0.01	CLORF9	chromosome 10 open reading frame 90	chr14	protein_coding
ENSG00000168237.16	1.27278326	1.3983262	1.33E-07	2.06E-06	1.42	1.62	0.19	0.63	GLYCK7	glycylglycyl transferase 7	chr3	protein_coding
ENSG00000278644.2	-3.1758553	-2.0664402	0.0161562	0.0399186	0.15	0.19	0	0.04	HCG17	HML complex group 17 (non-protein-coding)	chr6	lncRNA
ENSG00000281033.4	5.7738545	-2.5463609	0.0026535	0.00309747	0	0	0.04	0.7	FAM181B	family with sequence similarity 181, member B	chr11	protein_coding
ENSG00000121414.13	4.4622845	0.40424925	0.0018285	0.0008922	0.09	0.04	0.03	0.38	CPRL26	chromosome 16 open reading frame 26	chr11	protein_coding
ENSG00000186577.10	-1.2063248	3.6023315	5.31E-05	0.00022541	10.41	7.23	0.64	4.13	C6orf1	chromosome 6 open reading frame 1	chr6	protein_coding
ENSG00000185950.8	-2.0269318	4.98979342	1.22E-11	1.35E-10	1.49	1.57	1.35	1.98	RSK3	ribulin receptor substrate 2	chr13	protein_coding
ENSG00000186496.11	0.0009826	0.0009826	0.0009826	0.0009826	0.75	0.75	0.08	2.32	PDZDC2P	pyridoxal-dependent decarboxylase domain containing 2, pseudogene	chr13	processed_transcript
ENSG00000215915.8	-1.8875184	-0.0492325	9.82E-06	4.77E-05	0.34	0.27	0.15	0.08	ATA3C	ATPase family, AAA domain containing 3C	chr19	protein_coding
ENSG00000173432.9	1.6546	5.643	3.76E-07	3.76E-06	1.64	1.64	0.03	1.65	GAL3	galactose 3-epimerase	chr11	protein_coding
ENSG0000017275.15	1.2925496	3.76601287	7.75E-06	3.85E-05	25.25	26.92	81.18	89.23	FAM132A	family with sequence similarity 132, member A	chr16	protein_coding
ENSG00000255153.1	2.2428903	0.2880184	8.03E-08	5.47E-07	0.37	0.3	0.29	1.91	TOLLIP-AS1	TOLLIP antisense RNA 1 (head to head)	chr11	antisense
ENSG0000017025.3	8.3404453	1.56E-14	1.33E-15	5.6E-14	0	0	0	1.31	CTD183	chromosome 18 open reading frame 18	chr11	protein_coding
ENSG0000007502.16	1.38693951	1.81067149	2.44E-05	0.00010504	0.31	0.3	0.57	1.56	ERGIC2	ERGIC and colic 2	chr12	protein_coding
ENSG00000108622.9	-0.6017817	2.01330648	1.50E-45	1.58E-43	4.55	3.96	0.06	0	ICAM2	intercellular adhesion molecule 2	chr17	protein_coding
ENSG00000138363.13	1.1978411	2.1057144	0.0000000	0.0000000	42.32	44.51	4.01	44.51	ATC1	5-aminolevulinic acid-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	chr17	protein_coding
ENSG00000162714.11	-1.1442871	1.62605285	7.04E-07	4.15E-06	17.44	16.57	8.34	8.3	ZNF496	zinc finger protein 496	chr1	protein_coding
ENSG00000282720.1	-1.3744002	1.5839893	2.81E-05	0.00012546	1.74	1.84	0.83	1.01	CTD-524C3	--	chr17	antisense
ENSG00000179543.13	2.6151491	-2.6387997	0.0003315	0.00059219	0.02	0.04	0.03	0.03	SCSD	scavenger receptor cysteine rich family, 5 domains	chr19	protein_coding
ENSG00000163410.10	-1.278178	1.31565714	0.00013065	0.00051368	0.87	0.6	0.27	0.54	SH2DS5	SH2 domain containing 5	chr1	protein_coding
ENSG0000024307.6	2.8278895	1.21231025	0.000111	0.000111	0.02	0.02	0.03	0.15	HALLS3	HALLS3/haemagglutinin-like complex, subunit 3	chr10	protein_coding
ENSG00000075891.20	8.6880676	-0.1883369	1.90E-18	4.07E-17	0	0	0	0.39	PAC2	paired box 2	chr10	protein_coding
ENSG00000113657.11	-6.5221543	4.18269106	4.61E-54	8.13E-52	4.84	5	0.11	0.11	DYPSL3	dihydropyrimidinase-like 3	chr15	protein_coding
ENSG0000014738.12	1.5714232	1.5714232	1.43E-05	2.91E-05	0.49	0.49	0.04	7.66	GRB7	growth factor receptor-bound protein 7	chr10	protein_coding
ENSG00000126091.18	-1.3571465	3.4101395	6.58E-06	3.30E-05	5.09	4.48	2.77	2.37	STGAL3	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	chr11	protein_coding
ENSG00000140945.14	-2.1901671	6.14977371	1.92E-13	2.59E-12	9.62	9.83	2.38	3.22	CDH13	cadherin 13	chr16	protein_coding
ENSG00000185269.10	1.1086202	3.1717938	4.88E-06	6.23E-05	11.25	11.25	0.03	0.36	NOTUM	protein pectinacetyltransferase homolog (Drosophila)	chr16	protein_coding
ENSG00000268951.2	4.87917439	-3.0678699	0.0189743	0.00419557	0	0	0	0.36	AD000912.1	--	chr19	lncRNA
ENSG00000270717.1	4.1047632	-1.2454106	9.32E-08	6.27E-07	0	0.03	0.43	0.29	RP11-348P1	--	chr19	lncRNA
ENSG00000125317.9	3.3963624	2.7094767	2.13E-05	9.81E-05	0.10	0.05	0.03	0.35	PF4A1	pseudopodium-enriched atypical kinase 1	chr15	protein_coding
ENSG00000385307.7	7.31156115	-1.3924071	4.49E-10	4.11E-09	0	0	0.26	0.31	CYP46A1	cytochrome P450, family 4, subfamily A, polypeptide 1	chr14	protein_coding
ENSG0000021931.4	-6.6539187	-0.162226	5.55E-12	1.91E-19	0.21	0.01	0.03	0.01	IRIF1	ligand dependent nuclear receptor interacting factor 1	chr1	protein_coding
ENSG0000015461.18	1.8444273	3.168796	3.48E-07	3.16E-06	0.76	0.76	0.26	3.24	UPF2	UPF2 regulator of nonsense transcripts homolog (yeast)	chr10	protein_coding
ENSG00000174007.7	2.83693372	1.34638324	2.99E-14	4.41E-13	0.21	0.23	1.63	2.57	CEP19	centrosomal protein 19kDa	chr19	protein_coding
ENSG00000189645.15	1.8201075	4.4947895	1.90E-05	3.08E-08	4.49	4.49	0.04	0.94	TEAAB	TEA domain containing protein A/B-like 8	chr1	protein_coding
ENSG0000026878.1	2.24911714	-2.5414026	0.01923175	0.0458365	0.21	0.23	1.03	1.96	SNORA51	small nucleolar RNA, H/ACA box 51	chr18	snoRNA
ENSG00000254815.4	2.46189393	-1.4675292	0.0025672	0.00059219	0.21	0.23	1.03	0.28	RP11-496B1	--	chr11	antisense
ENSG00000176225.11	1.1336312	2.34158392	0.0000000	0.0000000	0.73	0.73	0.03	0.64	RTTN	reticulon	chr19	protein_coding
ENSG00000257183.1	-1.0738288	5.17031444	0.00021426	0.00080555	20.03	21.21	12.57	13.54	LENG9	leukocyte receptor cluster (LRC) member 9	chr11	protein_coding
ENSG00000149537.7	5.29735717	1.17142887	1.02E-26	3.97E-25	0.02	0.04	0.05	1.76	MP212	myelin protein zero-like 2	chr11	protein_coding
ENSG00000169666.17	0.00019819	0.00019819	0.00019819	0.00019819	0.05	0.07	0.03	3.09	CNBR1	cellular nucleotide binding protein (G protein), beta 5	chr11	protein_coding
ENSG00000278309.1	-4.3760883	3.81488629	5.16E-36	3.21E-34	4.08	3.2	0.33	0.1	RP11-102K1	--		

ENSG0000017157.14	5.45007274	-2.7494288	000495621	0	0	0.033	0.113	LRRC34	leucine rich repeat containing 34	chr3	protein_coding	
ENSG00000083565	1.57454955	2.0683464	11356	1.352	0.10	15.9	87.11	0.11	p53 and DNA-damage regulated 1	chr3	protein_coding	
ENSG00000149880.10	-8.4767682	579880.16	8756.87	8.39E-84	40.67	36.22	0.14	0.14	PAH43	prolyl 4-hydroxylase, alpha polypeptide III	chr11	protein_coding
ENSG00000134864.9	-2.1186201	9.5244857	7762.13	9.84E-12	299.16	299.58	89.01	89.54	VARS	tyrosyl-L-tyrosine synthase	chr1	protein_coding
ENSG00000172712.1	-0.0488238	6.8085455	0.002899	0.00100864	13.85	13.85	0.00	0.00	MDXAP	X-irradiation protein	chr12	protein_coding
ENSG00000179428.2	-5.9983854	-2.9693515	0.00014482	0.00057423	0.22	0.06	0	0	AC0730725	transcript	chr7	antisense
ENSG00000105821.3	2.60619134	3.1073593	5.12E-16	8.92E-15	0.24	0.04	1.92	5.23	DNAIC2	DnaI (Hsp40) homolog, subfamily C, member 2	chr7	protein_coding
ENSG00000171614.1	-1.1467454	0.0014718	0.0001708	0.00020708	0.04	0.04	0.09	0.09	UNC00386	long intergenic non-protein coding RNA 586	chr12	lincRNA
ENSG00000153525.12	-1.17931667	4.1460372	2.28E-09	1.91E-08	7.83	8.63	3.4	2.91	DOK1	docking protein 1, G2bDa (downstream of tyrosine kinase 1)	chr7	protein_coding
ENSG00000105827.12	3.597320	0.5476857	4.00E-15	6.46E-14	0.04	0.04	0.51	0.43	CAD17	DBP1 and CUL4 associated factor 17	chr1	protein_coding
ENSG00000176784.14	-2.9562095	0.0002254	5.34E-72	0.0002254	0.04	0.04	0.14	0.14	AC048672	adenosine deaminase, RNA-specific (non-functional)	chr5	antisense
ENSG00000267121.1	1.0449567	1.08334761	0.0021959	0.00814315	0.45	0.65	1.28	1.76	RP11-295D4	transcript	chr16	sense_intronic
ENSG00000108725.6	1.2964954	2.0015939	5.44E-10	0.00020268	0.63	0.64	1.11	3.07	SNM15	small integral membrane protein 15	chr5	protein_coding
ENSG00000201431.1	-2.7573045	-1.2535356	4.95E-06	2.55E-05	0.26	0.32	0.05	0.06	GQVQW1	GVQW motif containing 1	chr2	protein_coding
ENSG00000125945.3	1.0870107	2.59061307	0.00042969	0.00152217	0.61	0.79	1.64	2.34	ZNF436	zinc finger protein 436	chr1	protein_coding
ENSG00000126089.9	1.57454955	2.0683464	11356	1.352	0.10	15.9	87.11	0.11	MDM1	p15-inhibitor of Rb1 interaction	chr2	protein_coding
ENSG00000104043.3	7.52281736	-1.2094832	3.23E-11	3.41E-10	0	0	0.07	0.19	ATPB84	ATPase, class I, type 8B, member 4	chr15	protein_coding
ENSG00000202057.1	-9.4869357	0.4260014	3.19E-27	1.28E-25	1.72	2.33	0	0	NEF4	nuclear factor, erythroid 4	chr7	antisense
ENSG00000161734.4	4.7446734	3.1426722	8.21E-57	1.74E-54	13.51	13	0.09	0.1	CXCL3	chemokine (C-X-C motif) ligand 3	chr4	protein_coding
ENSG00000204588.5	-1.8031011	3.7708096	2.49E-09	2.07E-08	7.3	6.78	2.63	2.75	UNC01123	long intergenic non-protein coding RNA 1123	chr2	lincRNA
ENSG00000116005.10	2.01490792	5.33099708	1.25E-11	1.43E-10	2.44	2.28	10.44	15.67	PCYC3	phenylethanolamine oxidase 1	chr2	protein_coding
ENSG00000167260.14	-5.3526884	-0.9660265	1.11E-15	1.98E-14	0.49	0.43	0.03	0	WDNR8	WD repeat domain 86	chr7	protein_coding
ENSG00000204397.4	-5.1633981	0.6467021	1.55E-24	5.17E-23	1.33	1.31	1.02	0.07	UNC01272	long intergenic non-protein coding RNA 1272	chr20	lincRNA
ENSG00000128883.2	3.2660551	1.1554681	3.41E-16	6.02E-15	0.16	0.06	1.03	1.06	GAD1	glutamate decarboxylase 1 (brain, 67kDa)	chr2	protein_coding
ENSG00000182864.4	1.2809342	5.3366628	8.75E-06	4.73E-05	1.16	0.92	3.05	31.72	TG02	transducer of ERBB2, 2	chr2	protein_coding
ENSG00000201495.1	5.3294093	-2.821228	0.00290522	0.00856312	0	0	0.21	0.79	RP4-535B20	transcript	chr2	lincRNA
ENSG00000202164.1	4.9616816	-0.0277626	1.25E-16	2.30E-15	0.02	0.03	0.04	1.44	AC026693	transcript	chr2	lincRNA
ENSG00000205856.2	2.24810695	-2.5410053	0.01923175	0.0458365	0	0.07	0.16	0.3	RP11-87C12	transcript	chr12	lincRNA
ENSG00000205920.1	-1.7978245	-0.9898937	1.13E-13	1.56E-12	1.11	0.65	0	0	RP11-297J1	transcript	chr2	lincRNA
ENSG00000156883.14	1.566738	6.8696373	0.0024077	0.0089826	28.37	27.43	17.54	16.76	BRP1	brionomycin and PHD finger containing, 1	chr2	protein_coding
ENSG00000238843.3	3.9923335	-2.0276299	3.06E-05	0.00013563	0.01	0.11	0.11	0.11	RMDN2-AS1	RMDN2 antisense RNA 1	chr2	antisense
ENSG00000173087.7	-1.9426462	6.5986856	4.48E-11	4.67E-10	46.31	43.89	14.96	16.34	TMEM261	transmembrane protein 261	chr2	protein_coding
ENSG00000189624.14	2.9687691	-0.0328438	2.89E-12	2.39E-10	0.1	0.05	1.36	0.29	GALNT6	polypeptide N-acetylglucosaminyltransferase 6	chr2	protein_coding
ENSG000001140045	2.80484667	-1.481136	6.51E-05	0.00027249	0.04	0	0.27	0.15	NRROS	negative regulator of reactive oxygen species	chr2	protein_coding
ENSG00000207600.1	2.9643669	3.385862	0.003366	0.0331641	0.12	0.12	0.08	0.11	RP11-60C22	transcript	chr15	lincRNA
ENSG00000179185.1	3.0244969	-2.6868137	0.0943894	0.0246891	0	0	0.01	0	CTA-925C3	transcript	chr12	sense_intronic
ENSG00000201584.12	-1.2260198	5.4647315	2.44E-05	0.000101039	15.66	13.28	8.77	7.71	SLC48A1	solute carrier family 48 (heme transporter), member 1	chr12	protein_coding
ENSG00000174807.16	1.9264728	0.0002295	2.91E-12	2.39E-10	0.12	0.12	0.17	0.13	ZCWPV1	zinc finger, CW type with zinc finger domain 1	chr1	protein_coding
ENSG00000108876.7	5.3772961	0.1753143	7.59E-23	2.24E-21	0.02	0.02	0.58	1.33	ANKRD49	ankyrin repeat domain 49	chr11	protein_coding
ENSG00000162125.1	-2.546173	2.0510705	5.06E-14	7.28E-13	1.98	1.51	0.49	0.31	RP11-195F11	transcript	chr9	processed_transcript
ENSG00000108811.11	2.68744983	4.9127	0.2	2.6E-09	0.15	0.15	0.17	0.14	HNRK3	NHL repeat containing 3	chr1	protein_coding
ENSG00000105310.15	-1.1313248	5.0842228	1.11E-92	1.56E-89	9.89	10.4	0	0	FTSL4	folistatin-like 4	chr5	protein_coding
ENSG00000106019.10	-1.6920666	5.3945049	8.82E-09	6.82E-08	22.9	22.11	9.48	9.07	WR04	WD repeat domain 4	chr21	protein_coding
ENSG00000149486.12	2.8565912	0.1422244	2.68E-12	5.13E-10	0.18	0.18	0.17	0.01	MMAC2	high mobility group domain containing 2	chr2	protein_coding
ENSG00000201966.6	-10.093682	5.3041087	1.61E-90	1.76E-87	34.01	29.42	0.06	0.01	CXCR4	chemokine (C-X-C motif) receptor 4	chr2	protein_coding
ENSG00000204324.1	-1.537465	-1.9868187	0.00653791	0.0177646	0.18	0.18	0.06	0.1	RP5-1157M2	transcript	chr2	antisense
ENSG00000105133.175.2	2.5172838	0.2718475	7.39E-12	8.49E-10	0.15	0.15	0.18	0.1	CTD-202031	transcript	chr17	antisense
ENSG00000203280.2	6.37984316	-1.244774	5.19E-06	2.66E-05	0	0	0.36	0.57	MCFL2L-AS1	MCFL2 antisense RNA 1	chr13	antisense
ENSG00000166736.10	-9.91512	-1.2	0.0001234	0.0001234	17.23	12.55	8.21	8.81	CNBB1P1	5-hydroxytryptamine (serotonin) receptor 3A, ionotropic	chr14	protein_coding
ENSG00000108014.16	-1.224785	-4.7718874	2.74E-05	0.0012274	17.23	12.55	8.21	8.81	CNBB1P1	cydin II interacting protein 1, E3 ubiquitin protein ligase	chr14	protein_coding
ENSG00000143919.13	-1.0071448	1.98661783	0.00143604	0.00458202	1.69	1.5	0.88	1.24	CAMMOT	calmodulin-lysine N-methyltransferase	chr2	protein_coding
ENSG00000103134.10	4.3642661	8.31E-15	2.1E-13	0.1	4.68	28.62	0	31.84	BE3	transcript	chr8	protein_coding
ENSG00000171033.11	-3.7886039	-1.8821375	1.61E-05	7.52E-05	0.04	0.13	0.02	0	PKA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	chr2	protein_coding
ENSG00000074657.12	-1.416889	3.3294794	2.44E-06	1.33E-15	0.38	0.17	0.57	0.99	ZNF532	zinc finger protein 532	chr18	protein_coding
ENSG00000166966.11	-1.517381	0.7314926	1.75E-12	1.75E-10	13.11	11.1	0.89	60.45	MMAR	methionine RNA synthase	chr2	protein_coding
ENSG00000207664.1	-3.3398809	-2.1622272	0.002605	0.0096399	0.12	0.02	0.02	0.02	RP5-858L17	transcript	chr2	antisense
ENSG00000184678.9	2.46241452	0.1089294	1.90E-15	3.10E-14	1.66	2.12	14.37	13.3	HIST2H2BE	histone cluster 2, H2be	chr1	protein_coding
ENSG00000105947.13	1.8570769	0.0003513	0.0003111	0.00035059	50.08	49.3	0.47	32.5	PKCIB2	phosphoinositide-3-kinase, regulatory subunit 2 (beta)	chr1	protein_coding
ENSG00000136866.11	2.0636654	4.7381489	7.00E-12	7.97E-11	3.99	3.65	21.36	21.23	RHLH36	leukine-like family member 36	chr16	protein_coding
ENSG00000151332.17	2.9517919	2.7600368	8.35E-15	1.13E-06	1.23	0.86	1.23	0.86	MB1	MB12 binding inhibitory protein 1	chr14	protein_coding
ENSG00000137076.17	-1.8173798	9.6103683	2.33E-10	2.22E-09	112.71	112.22	4.932	38.65	TUN1	tail domain 1	chr1	protein_coding
ENSG00000185127.6	1.17974706	0.7627243	0.0096449	0.00317723	0.34	0.27	0.77	1.07	Gor120	chromosome 6 open reading frame 120	chr6	protein_coding
ENSG00000120786.15	2.9869153	0.0000000	2.98E-12	2.56E-06	0.01	0.01	0.01	0.04	MRG1	nuclear receptor subfamily 2, group C, member 1	chr12	protein_coding
ENSG00000149311.16	4.9621207	2.0992605	2.46E-32	1.27E-30	0.01	0.01	0.38	0.57	ATM	ATM serine/threonine kinase	chr11	protein_coding
ENSG00000146476.9	3.09087049	0.50237261	1.22E-12	1.52E-11	0.08	0.09	0.43	1.52	Gcor121	transcript	chr6	protein_coding
ENSG00000105316.10	2.48342638	5.2529819	4.91E-07	2.56E-06	2.89	2.89	0.18	0.36	CWC15	CWC15 spliceosome-associated protein	chr1	protein_coding
ENSG00000201582.1	-1.229445	5.3744263	2.02E-05	9.24E-05	10.12	76.61	50.74	49.83	RP4-6104C1	transcript	chr2	antisense
ENSG00000114346.12	2.8590762	2.4478007	3.48E-17	6.67E-16	0.26	0.19	1.51	2.96	KCT2	epithelial cell transforming 2	chr2	protein_coding
ENSG00000136968.16	6.735752	0.0000000	6.73E-17	4.42E-06	0.18	0.18	0.19	0.11	CEB2	pregnancy specific beta-1 glycoprotein 9	chr19	protein_coding
ENSG00000106710.1	3.5644089	-1.6623614	2.93E-05	0.0013031	0	0.01	0.03	0.06	PSD1	fibronectin type III and SPRY domain containing 1-like	chr9	protein_coding
ENSG00000145174.13	-1.2036391	3.6510662	5.31E-05	0.00022556	1.6	1.51	0.9	0.19	GRP161	G-protein-coupled receptor 161	chr1	protein_coding
ENSG00000170771.9	4.9820659	-0.611096	0.00465	0.0258219	0.13	0.13	0.17	0.02	PAOC2	lipoic acid hydroxylase domain containing 2	chr1	protein_coding
ENSG00000183044.10	5.37731176	-0.921847	6.98E-11	7.14E-10	0	0	0.12	0.19	ABAT	4-aminobutyrate aminotransferase	chr16	protein_coding
ENSG00000109794.12	1.01073094	0.0000000	1.01E-12	4.46E-11	1.7	1.7	0	0	FAM149A	transcript	chr4	antisense
ENSG00000159140.16	1.2197071	1.79969748	2.38E-05	0.00010789	6.15	6.71	19.69	20.25	SON	SON DNA binding protein	chr21	protein_coding
ENSG00000168216.9	1.25544781	1.68477369	0.00014387	0.00560616	0.46	0.09	1.05	2.92	LMBRD1	LMBR1 domain containing 1	chr16	protein_coding
ENSG00000100311.15	2.1299443	0.0000000	2.89E-19	6.3E-18	0.15	0.15	0.18	0.25	CTD19B	cyclin-dependent growth factor beta polypeptide	chr22	protein_coding
ENSG00000167077.11	-7.0314087	2.68517788	3.40E-15	4.85E-49	2.68	2.43	0	0.05	MEI1	meiotic inhibitor 1	chr22	protein_coding
ENSG00000168243.9	1.1228144	-0.363231	0.016849	0.0296561	0.05	0.09	0.15	0.25	GN44	guanine nucleotide binding protein (G protein), gamma 4	chr1	protein_coding
ENSG00000136938.8	1.1194508	0.0000000	1.11E-12	2.76E-10	337.24	227.54	0.18	248.89	ANP228	basic leucine zipper nuclear transcription factor 32 family, member B	chr1	protein_coding

ENSG00000188452.1	-6.7478987	3.1896739	356E-53	6.01E-51	2.69	2.6	0.05	0.02	COL3A1	collagen, type II, alpha 1	chr2	protein_coding
ENSG00000154320.15	1.3804979	1.454045	7.54E-09	1.45E-05	0.71	0.4	0.34	0.44	MA3	muscle inhibitory activity family, member 3	chr2	protein_coding
ENSG0000008666.17	1.7273292	4.32951046	754E-09	5.88E-08	3.32	3.15	10.79	1793	ZFAND6	zinc finger, AN1-type domain 6	chr15	protein_coding
ENSG00000261761.1	3.34534836	1.47613418	3.30E-08	6.41E-17	0.12	0.05	0.93	1.4	RP11-196G1--	--	chr1	sense_intronic
ENSG0000137831.13	1.4898613	2.5741265	1.45E-06	4.54E-06	0.18	0.18	0.28	0.1	UAC1	ubiquitin-associated with coiled-coil domains and ankyrin repeats	chr15	protein_coding
ENSG00000158066.14	1.4736609	5.78860968	4.43E-07	2.70E-06	5.43	5.39	20.75	1925	BAAIP2	BAL1-associated protein 2	chr17	protein_coding
ENSG0000059564.12	2.1889442	2.36779316	2.04E-11	2.21E-10	0.24	0.17	1.55	155	BTAF1	BAT1 RNA polymerase II, B-TFIIID transcription factor-associated, 170kDa	chr10	protein_coding
ENSG0000028424.1	-1.1380027	-0.173961	0.040067	0.0179879	0.18	0.28	0.1	0.1	CTC222-324E	--	chr3	TEC
ENSG00000618146.1	-2.2977849	6.00104492	1.61E-14	2.45E-13	14.13	13.38	3.82	3.63	CCDC1	CUB domain containing protein 1	chr3	protein_coding
ENSG0000171218.8	2.2371719	4.88498434	1.45E-13	1.97E-12	1.26	0.66	8.61	9.71	CCDC42BP	CCDC42 binding protein kinase gamma (DMPK-like)	chr11	protein_coding
ENSG00000164813.4	5.45604514	1.48948314	0.0001067	2.47E-06	1.26	0.66	8.61	7.02	DNAAF5	dynactin, axonemal, assembly factor 5	chr15	protein_coding
ENSG00000154760.12	-3.1776452	-2.8656583	0.0015662	0.0359916	0.01	0.02	0	0	SLFN13	schlafen family member 13	chr17	protein_coding
ENSG0000025251.2	6.7823207	-1.8145495	2.24E-06	4.45E-06	0	0	0.09	0	CTC-53A42.1	--	chr2	TEC
ENSG0000019997.9	1.1001514	7.09634802	0.0013291	0.00052188	60.43	65.78	42.5	35.71	ZNF768	zinc finger protein 768	chr16	protein_coding
ENSG00000189334.7	-6.0690914	3.20863762	1.99E-49	2.63E-47	12.69	10.43	0.15	0.3	S100A14	S100 calcium binding protein A14	chr14	protein_coding
ENSG00000186166.7	1.06118071	3.2884983	0.0004069	0.0144247	3.29	5.14	11.01	12.42	CCDC34	coiled-coil domain containing 34	chr11	protein_coding
ENSG00000126365.1	-1.3818611	4.51212784	2.75E-06	1.48E-05	9.49	9.75	5.55	4.26	NR1D1	nuclear receptor subfamily 1, group D, member 1	chr17	protein_coding
ENSG0000016307.12	2.79569914	1.84140707	2.61E-15	4.29E-14	0.13	0.21	0.74	2.42	MAA1524	KIAA1524	chr17	protein_coding
ENSG00000404991.15	1.05644413	3.59431108	0.0038507	0.0113753	1.16	1.04	1.01	0.41	KCHD1M1	KCH domain containing 1	chr19	protein_coding
ENSG00000138129	2.9480954	-0.5634035	2.53E-06	1.37E-05	0.08	0.07	0.59	0.52	ANGPTL6	angiopoietin-like 6	chr19	protein_coding
ENSG00000178726.1	-1.9667097	1.49540319	6.63E-09	5.23E-08	1.03	0.72	0.23	0.38	THBD	thrombospondin	chr20	protein_coding
ENSG00000102523.13	1.9763629	1.46001139	1.59E-08	1.18E-07	0.05	0.08	0.27	0.44	DOPD1	DOPD domain containing 1	chr19	protein_coding
ENSG00000099954.17	6.04913687	-2.3636061	4.74E-05	0.00200301	0	0	0.03	0.02	CECR2	cat eye syndrome chromosome region, candidate 2	chr22	protein_coding
ENSG0000274933.3	4.4030E-06	-2.7636061	4.25E-15	7.46E-15	0	0	0	0.42	TBC1D3	TBC1 domain family, member 3	chr19	protein_coding
ENSG0000025797.2	2.05419295	0.95708127	3.10E-08	2.21E-07	0.11	0.1	2.06	0.64	UTPFL4C	UTPFL4, US small nuclear ribonucleoprotein, homolog C (yeast)	chr13	protein_coding
ENSG0000013595.13	4.3486864	-1.0295638	4.03E-09	3.50E-08	0	0.01	0.1	0.29	TRIM23	triglycane motif containing 23	chr19	protein_coding
ENSG0000007620.3	-1.0543495	8.42159591	0.0003407	0.00309725	310.51	292.42	192.97	153.95	TRSL	TRSL3, 20S RNA accumulation, homolog (S. cerevisiae)	chr16	protein_coding
ENSG0000013291.11	1.17125539	2.77353565	0.0003357	0.00053844	0.71	0.73	1.91	2.41	DC1N4	dynactin 4 (c62)	chr5	protein_coding
ENSG00000173557.13	1.25741954	-0.494791	0.0003841	0.01727626	0.07	0.07	0.04	1.67	Covr70	chromosome 2 open reading frame 70	chr19	protein_coding
ENSG00000106317.14	1.818299	-0.551789	0.070412	0.0294377	0.14	0.05	0.27	0.33	SLC6A1E	solute carrier family 6, member 1E	chr19	protein_coding
ENSG00000237232.6	3.35527459	-1.8234775	0.00010631	0.0004256	0.06	0	0.47	0.4	ZNF295-AS1	ZNF295 antisense RNA 1	chr21	lincRNA
ENSG00000149150.7	-3.1040161	2.9914365	1.21E-20	3.06E-19	4.7	3.82	0.91	0.41	SLC43A1	solute carrier family 43 (amino acid system L transporter), member 1	chr11	protein_coding
ENSG00000187301.7	5.1610289	0.71836473	2.38E-10	2.27E-09	0.9	0.9	1.38	0.92	TNOC16	thiosulfonate domain containing 16	chr14	protein_coding
ENSG00000266338.5	-1.186184	3.72946165	6.39E-05	0.0002678	2.77	3.19	1.44	2.06	NBP15	neuroblastoma breakpoint family, member 15	chr1	protein_coding
ENSG0000027815.2	1.2012014	2.83305829	2.97E-06	1.60E-05	1.02	1.02	1.42	4.14	GLUD2	glutamate decarboxylase 2	chr9	lincRNA
ENSG00000096717.1	3.18966039	2.41460209	5.53E-20	1.33E-18	0.16	0.2	0.21	2.45	ZAR1	zinc finger protein 245	chr10	protein_coding
ENSG00000100485.10	2.3707099	1.31277767	7.28E-11	1.46E-06	0.07	0.16	0.59	0.98	SCS2	son of sevenless homolog 2 (Drosophila)	chr14	protein_coding
ENSG00000101204.14	1.3449486	1.4634606	1.37E-10	2.56E-06	0.06	0.06	0.14	0	CHRNA4	cholinergic receptor, nicotinic, alpha 4 (neuronal)	chr14	protein_coding
ENSG0000014586.13	2.01112896	1.27630241	1.80E-08	1.33E-07	0.08	0.14	0.4	0.8	METTL14	methyltransferase like 14	chr20	protein_coding
ENSG00000145996.6	-1.3244258	4.44657582	5.39E-23	1.61E-21	5.33	5.34	0.68	0.95	PH2	juncophilin 2	chr10	protein_coding
ENSG0000026527.8	4.47781405	4.1265448	6.73E-05	2.5E-05	0.9	0.9	0.17	9.82	PTPR	protein tyrosine phosphatase, receptor type	chr3	protein_coding
ENSG00000278709.1	-1.160054	1.37849167	0.0004641	0.0016411	1.37	0.8	0.52	0.78	RPS-1059L7--	--	chr20	antisense
ENSG00000102854.13	-1.2468393	7.61826671	1.55E-05	7.28E-05	99.97	80.87	51.53	47.73	MSLN	mesothelin	chr16	protein_coding
ENSG00000135960.12	1.82041141	3.45768337	0.0002182	0.0003188	2.06	2.06	0.35	3.35	KAL1	retinoic acid induced 1	chr4	protein_coding
ENSG00000164683.15	-3.032897	3.26953211	1.18E-20	2.98E-19	4.9	5.91	0.8	0.96	HEY1	hls-related family bHLH transcription factor with YRPW motif 1	chr8	protein_coding
ENSG0000027572.1	1.3861834	-0.463332	0.0024974	0.00752149	0.2	0.16	0.45	0.78	RP11-1798Z--	--	chr10	antisense
ENSG00000168910.7	2.7493937	5.501319	6.06E-14	8.66E-13	20.17	20.19	0.3	6.43	CH3	gap junction protein, beta 3, 33kDa	chr1	protein_coding
ENSG00000103154.8	-2.592401	0.54842342	1.75E-10	1.69E-09	1.29	0.43	0.32	0.07	NECAB2	N-terminal EF-hand calcium binding protein 2	chr16	protein_coding
ENSG00000266801.1	7.511115	1.0792445	2.21E-12	7.2E-11	0	0	0	0	RPS-1146A2	--	chr16	antisense
ENSG00000231856.2	1.56098716	3.358995	7.98E-05	0.00032858	0.23	0.16	0.7	0.84	RP11-327P2--	--	chr13	antisense
ENSG00000141905.16	1.1743993	8.83403087	4.48E-05	0.0019402	17.89	21.38	63.54	54.24	NRC	nuclear factor I/C (CAAT-binding transcription factor)	chr19	protein_coding
ENSG00000253671.1	6.5400313	-2.011813	6.03E-06	6.03E-06	0.01	0.01	0.01	0.24	RP11-80C01	--	chr8	protein_coding
ENSG0000008546.12	2.38429867	0.104516	2.53E-09	2.10E-08	0.17	0.01	0.43	0.88	SESN1	sestrin 1	chr8	protein_coding
ENSG00000134905.15	-1.1502791	7.21264122	3.57E-05	0.00015694	88.36	89.44	51.13	52.58	CARS2	cysteine(-)RNA synthetase 2, mitochondrial (putative)	chr13	protein_coding
ENSG00000138413.14	1.3814442	-2.1618208	1.07E-06	9.85E-06	0.05	0.05	0.1	0	CTCK3	serine/threonine kinase 3	chr1	protein_coding
ENSG00000111252.9	-1.7672004	3.09753734	9.28E-09	7.14E-08	1.77	2.08	0.7	0.8	SH2B3	SH2B adaptor protein 3	chr13	protein_coding
ENSG00000185065.6	-1.4494566	0.52368078	5.24E-05	0.0002267	0.82	0.78	0.35	0.4	AC100085.5	--	chr22	antisense
ENSG0000012551.11	1.3449895	1.7389246	1.47E-06	1.33E-05	26.68	26.68	0.19	13.9	TRIM13	thryoid hormone receptor, alpha	chr1	protein_coding
ENSG00000168661.4	-1.333277	7.28703417	4.05E-06	2.12E-05	41.29	38.6	1981	22.51	GSOX2	C10orf46, human alpha	chr9	protein_coding
ENSG00000182935.5	-1.892424	-1.030987	2.13E-13	1.2E-12	0	0	0	0	GLI1	glioma-like protein member 1	chr19	protein_coding
ENSG0000009250.16	-2.5301791	5.50641415	7.78E-17	3.40E-15	5.1	6.51	1.22	1.46	NRP1	neuroxin1	chr10	protein_coding
ENSG0000016821.7	2.02918419	4.0582409	3.71E-11	3.90E-10	2	1.71	8.99	10.99	PEX11A	peroxisomal biogenesis factor 11 alpha	chr15	protein_coding
ENSG00000239041.1	2.123279	-2.4437676	0.00000001	0.00000001	0.01	0.01	0	0	RPS-804P4.6	--	chr19	antisense
ENSG00000140043.10	1.40702428	1.42134395	3.49E-05	0.00015372	0.22	0.35	0.71	1.31	PTGR2	prostaglandin synthase related 2	chr19	protein_coding
ENSG0000008573.6	-2.067288	2.96279794	3.90E-11	4.09E-10	1.81	1.53	0.52	0.54	COL5A3	collagen, type V, alpha 3	chr14	protein_coding
ENSG0000016968.7	2.61724245	0.9307977	1.78E-06	1.29E-07	1.4	1.48	0.1	4.54	TAMM58L	transmembrane protein 58L	chr1	protein_coding
ENSG00000105176.16	1.0713851	3.9775683	0.0001802	0.00085958	1.99	2.54	5.14	7.91	URL1	proteobion-like chaperone	chr19	protein_coding
ENSG0000013770.12	1.9716149	1.81341147	0.00128	2.18E-07	0.15	0.1	0.49	0.79	C10SP2L2	C10orf46, terminal domain, RNA polymerase II, polypeptide A) small phosphatase like 2	chr15	protein_coding
ENSG0000012454.12	4.3894716	1.92412941	1.37E-10	2.98E-17	0.02	0.02	0.1	0.78	MSLBP1	MSLB binding protein 1	chr1	protein_coding
ENSG00000229152.2	5.0564572	-2.9744029	0.010455	0.02582742	0	0	0.12	0.2	ANKRD10-IT1	ANKRD10 intronic transcript 1	chr13	sense_intronic
ENSG00000076539.8	2.46366218	1.53552229	4.84E-11	5.63E-11	0.09	0.09	0.47	0.88	MBP2	RNA binding motif protein 2	chr11	protein_coding
ENSG00000138182.12	1.5082285	1.7265E-10	2.15E-09	2.15E-09	0.36	0.69	2.49	3.52	ATAD1	ATPase family AAA domain containing 1	chr1	protein_coding
ENSG00000117000.8	3.38409276	0.66166139	8.89E-15	1.39E-13	0.05	0.01	0.28	0.65	RIF	rearranged L-myc fusion	chr1	protein_coding
ENSG0000025900.9	1.3608204	1.72770474	0.00000001	0.00000001	0.19	0.16	0.1	0.6	ANAPC4	anaplastic promitotic complex subunit 4	chr4	protein_coding
ENSG0000023396.6	2.0126032	-2.018611	0.01397446	0.03477946	0	0.06	0.16	0.15	RP11-458D2	--	chr1	-cRNA
ENSG00000116106.10	6.2203954	-2.2453676	1.55E-05	7.26E-05	0	0	0.08	0.02	EPHA4	EPH receptor A4	chr2	protein_coding
ENSG00000196939.8	1.61139675	0.3200008	0.00000001	0.00000001	0.06	0.06	0.1	0.67	CTDZ77	CTDZ77	chr4	protein_coding
ENSG00000129128.11	1.42729046	3.339959	2.57E-06	1.39E-05	1.05	0.88	2.73	4.19	SPC53	spinal oncofetal complex subunit 3 (H. cerevisiae)	chr7	protein_coding
ENSG0000015855.13	-1.3700281	3.02033396	6.82E-06	3.42E-05	1.64	1.38	0.8	0.75	GDPD5	glycerophosphatidyl phosphodiesterase domain containing 5	chr11	protein_coding
ENSG0000015925.8	1.363613	1.761526	6.91E-11	8.81E-12	0.1	0.1	0.18	1.68	PKOX1	protein kinase OX1	chr1	protein_coding

ENSG000002596.11	-1.129272	761427905	3.201259	0.00049644	3.36	207.44	136.34	14356	HSD17B8	hydroxytestosterone (17-beta) hydroxylase D10		chrM	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																														
ENSG000002596.11	1.66962897	0.21340707	0.000205	0.0001451	2.29	9.72	28.17	MT- TK	mitochondrially encoded tRNA Isoleucine		chrX	antisense																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000010958.10	-4.424784	0.018892	1.326	2.43E-15	0.31	0.33	0.04	GALNT7	polypeptide N-acetylglucosaminyltransferase 7		chr4	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000010958.10	0.0046704	0.187323	0.000205	0.0001451	0.31	0.33	0.04	ADAPTOR	adaptor-related protein complex 1, sigma 3 subunit		chr9	antisense																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000014833.11	-1.0047418	0.67915663	0.0003284	0.00103504	26.85	25.41	16.88	BMRB	amino repeat and SOCS box containing 6		chr9	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000011849.13	2.262133	2.286343	8.07E-12	9.14E-11	0.19	0.13	0.3	LCA	CENP-A		chr11	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000014919.14	3.952019	0.1210907	6.18E-24	1.97E-22	0.11	0.16	0.18	ZNF282	zinc finger protein		chr11	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000010367.10	1.2541338	4.41353087	1.41E-13	1.83E-12	0.12	0.13	0.4	DCAF6	CRAMP domain protein 1		chr13	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000010367.10	2.252514	0.6830355	1.07E-12	1.31E-11	0.14	0.12	0.08	CEP350	cysteine rich protein 350 kDa		chr13	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000018700.12	1.48413698	2.0793367	5.44E-33	2.91E-31	0.13	0.13	0.03	OPEA1	platelet endothelial aggregation receptor 1		chr17	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG00000108256.7	2.56572954	3.6959306	3.56E-15	5.83E-15	0.22	0.34	2.02	NUPR2	nucleolar X mental retardation protein interacting protein 2		chr17	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000010728.9	3.0568702	7.3454532	1.16E-38	6.38E-36	0.02	0.02	284.93	COTL1	COTL1 molecule		chr19	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000023562.6	1.9730301	-0.042487	0.0203581	0.0482421	0	0	0.02	0	0.09 RPI1-545E.1		chr2	antisense																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000016328.12	2.2453359	-0.564737	6.87E-16	3.45E-15	0.03	0.01	0.11	GRF155	G-protein-coupled receptor 155		chr6	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000016328.12	0.28873449	2.1048539	0.000205	0.0001451	0.31	0.33	0.04	0	0.12 CIB-SEK2.2		chr16	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000026010.1	2.202016	-0.892103	6.55E-06	3.29E-05	0.17	0.49	0.13	0.08	GATA6-AS1	GATA6 antisense RNA 1 (head to head)	chr18	lincRNA																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000008958.16	1.2402823	-1.091503	0.0003642	0.0013073	0.09	0.13	0.3	0.04	CTMY1	CKI-like MARVEL transmembrane domain containing 1	chr18	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000014833.11	0.0001451	0.0001451	0.0001451	0.0001451	0.31	0.33	0.04	0	0.09 RPOB	ribosomal protein L22	chr18	antisense																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG00000261094.2	1.36148816	1.6265084	1.25E-05	5.96E-05	0.05	0.03	0.19	0	0.13 RPI1-3550.1		chr9	sense_intronic																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000010958.10	-2.291463	4.589848	3.42E-11	3.0E-13	18.21	17.6	0.46	5.3	STX14	tetraspanin A1 (bran)	chr9	antisense																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG00000244016.6	1.5080752	-0.3971129	0.0005464	0.00179394	0.13	0.21	0.08	0.1	UNC101.1	long intergenic non-protein coding RNA 1011	chr10	lincRNA																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG00000090529.10	0.3038206	1.9413036	1.27E-17	3.40E-16	0.19	0.12	1.26	218	TMEM38B	transmembrane protein 38B	chr10	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG00000136619.9	1.0001701	0.0001451	0.0001451	0.0001451	0.31	0.33	0.04	0	27 CDGDBS	coiled-coil domain containing 27	chr10	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000019862.11	4.17582035	4.65661763	1.78E-35	1.07E-33	0.64	0.43	0.04	0.17	1529 PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	chr9	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000018634.10	-1.5359824	1.63592585	3.06E-06	1.61E-05	0.26	0.42	1.09	1.22	NDTJ17	nucleic acid phosphatase linked motif X1-type motif 17	chr1	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000010728.9	1.2178783	0.4343893	0.000205	0.0001451	0.31	0.33	0.04	0	0.01 CMTK	leucin tyrosine kinase	chr1	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000013207.13	1.90461429	3.75554574	6.27E-10	5.62E-09	0.34	0.45	1.38	2.61	AHTK1	Aht kinase containing transcription factor 1	chr1	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000011998.13	1.7171126	3.5247193	5.10E-06	6.20E-05	0.81	0.89	2.24	3.67	ELT2	elongation factor, RNA polymerase II, 2	chr5	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000023929.10	1.01085383	0.0003284	0.0003284	0.0003284	21.06	21.06	0.31	0.03	13.4	NUAK family D (C. elegans)	chr10	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG0000014848.15	-1.1339156	4.2987801	6.31E-05	3.10E-05	5.49	5.27	3.46	FAM131A	family with sequence similarity 17, member A1	chr10	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																																
ENSG000001564.7	-0.40412	2.8414938	1.95E-02	3.94E-09	0.4	0.96	0.48	0.96	NUAK2	NUAK family, SNF1-like kinase 2	chr10	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG000001564.7	1.0868145	0.11877	0.000589	0.0031025	2.23	2.33	0.41	0.33	0.94	TUBC9C	tubulin, alpha complex associated protein 5	chr15	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																														
ENSG0000011667.11	-1.056667	4.6004148	0.000485	0.0007465	2.23	2.33	0.41	0.33	0.94	Clorf12	chromosome 1 open reading frame 21	chr1	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																														
ENSG0000014848.11	1.056667	2.4251622	0.000485	0.0007465	2.23	2.33	0.41	0.33	0.94	NUAK2	nucleolar X mental retardation protein interacting protein 2	chr1	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																														
ENSG0000023531.1	2.5617133	-2.681208	0.000664	0.0028128	0	0	0.08	0.38	0.33	NUAK1-753K3	nuak carrier family 7 (amino acid transporter light chain, bo. + system), member 9	chr17	antisense																																																																																																																																																																																																																																																																																																																																																																																																																														
ENSG00000145056.12	-9.297468	3.4718413	5.09E-14	7.33E-13	11.33	12.54	3.35	2.93	NDK2	20 kDa dual homology 2 (Drosophila)	chr17	protein_coding																																																																																																																																																																																																																																																																																																																																																																																																																															
ENSG000001335.3	1.6010778	-0.080062	2.84E-06	2.04E-07	0.1	0.49	0.04	0.1	0.49	0.49	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	0.1	0.49	0.04	

[illegible]

ENSG00000238280.1	-2.5285753	-0.2137124	1.88E-08	1.38E-07	2.29	0	115	0.29	0.49	LA16c-325D --	chr16	lncRNA
ENSG0000012845.12	511722729	-1.189882	2.21E-11	3.10E-10	0.31	0	189	0.29	0.44	KOXC01	chr16	protein_coding
ENSG0000012572.11	297270003	-0.3598551	6.42E-09	5.0E-07	0.01	0	0.29	0.29	0.29	GPCPD1	chr16	protein_coding
ENSG00000269815.1	196482321	-1.6099842	0.0034584	0.0100343	0.21	0.11	0.09	0.87	0.27	CTD-227B11 --	chr16	sense_intronic
ENSG0000024660.8	50181285	-1.968177	0.0012805	0.0004222	0.3	0	0.05	0.3	0.29	ZNF487	chr16	protein_coding
ENSG00000260140.8	347176115	0.0592193	1.88E-12	2.9E-11	0.003	0.07	0.75	0.69	0.75	TMEM191C	chr22	lncRNA
ENSG00000164530.12	504175262	-2.962674	0.010455	0.0258272	0	0	0	0.11	0.16	peptidase inhibitor 18	chr6	protein_coding
ENSG0000012942.12	301478002	0.0000002	2.21E-13	2.98E-12	0.21	0.08	0.189	2.09	0.08	MTUS15	chr16	protein_coding
ENSG0000016984.12	159884125	3.8473828	1.03E-07	6.90E-07	1.49	1.68	5.24	7.61	0.18	CHRNA5	chr15	protein_coding
ENSG0000026557.5	50497520	-2.494611	0.0026535	0.0009147	0	0	0.01	0.04	0.01	TRMT1	chr13	protein_coding
ENSG0000018660.10	53523096	-0.0000000	0.0000000	0.0011544	1.76	21.3	0.39	5.32	0.39	GPATCH8	chr17	protein_coding
ENSG00000242247.9	10527552	3.9674229	0.00041293	0.00146757	2.45	1.97	4.1	8.24	0.01	ARFGAP3	chr22	protein_coding
ENSG0000016388.13	-1.1542652	4.5223726	7.79E-05	0.0000000	6.48	6.85	3.15	4.86	0.02	RAB25A	chr16	protein_coding
ENSG00000165280.14	1.245833	9.2247337	1.54E-05	7.23E-05	166.39	145.28	84.08	91.32	0.01	VCP	chr16	protein_coding
ENSG00000151687.13	57784906	-2.5437546	0.0002655	0.0009147	0	0	0.04	0.06	0.04	ANKAR	chr2	protein_coding
ENSG0000017595.10	1.1012285	6.0426539	0.0004489	0.0000019	19.42	19.69	13.51	12.38	0.01	TRAL16	chr16	protein_coding
ENSG00000213366.11	-3.1717913	-2.8628854	0.00161562	0.0398166	0.01	0.05	0.01	0	0.01	GSTM2	chr11	protein_coding
ENSG00000183161.4	-1.0186125	157774679	0.0000003	0.00016887	0.73	0.07	0.61	0.38	0.01	FANCF	chr11	protein_coding
ENSG00000108672.11	1.5773781	2.89301243	7.69E-07	4.57E-06	0.67	0.71	2.16	3.7	0.01	DLXAG	chr11	protein_coding
ENSG00000208273.1	5.06203518	-2.9176376	0.0100455	0.0258272	0	0	0.08	0.09	0.01	AF131261.1	chr8	protein_coding
ENSG0000017230.14	2.78292269	4.051474	9.92E-19	2.15E-17	0.26	0.34	0.27	3.47	0.01	GOLGB1	chr1	protein_coding
ENSG00000204634.11	-2.0325311	5.21413984	8.60E-12	9.74E-11	11.63	13.79	0.19	4.58	0.01	TRC1D8	chr1	protein_coding
ENSG00000155850.7	106795564	0.69251661	0.0000000	0.0130629	0.07	0.13	0.15	0.4	0.01	SLC26A2	chr5	protein_coding
ENSG0000012546.16	1.9254084	3.7541579	2.76E-10	2.61E-09	0.81	1.22	3.71	6.72	0.01	7-Seq	chr7	protein_coding
ENSG00000274516.1	521249443	-2.9887783	0.0530165	0.0148861	0	0	0.05	0.08	0.01	FAM74A6	chr7	lncRNA
ENSG00000109466.12	142296164	1.97637435	1.18E-05	5.64E-05	0.35	0.54	1.47	1.71	0.01	KLHL2	chr4	protein_coding
ENSG00000135457.8	-1.0454447	4.93000241	0.0002337	0.00116429	8.68	9.49	5.52	6.21	0.01	TCF22	chr12	protein_coding
ENSG00000147036.10	-8.0055183	-0.9647791	7.69E-14	1.09E-12	0.09	0.06	0	0	0.01	LANCL3	chrX	protein_coding
ENSG00000229739.2	-5.2026475	-3.0371681	0.0100455	0.0258272	0.28	0	0	0	0.01	RPL1-295K2	chr1	antisease
ENSG00000102134.1	1.6254984	2.0824641	5.34E-07	3.22E-06	0.01	0.01	0.01	0.03	0.01	HELPA4	chr12	macro_lncRNA
ENSG00000153094.20	1.04613817	3.58202745	0.0003426	0.00153724	0.99	1.07	2.59	3.11	0.01	BC1L211	chr1	protein_coding
ENSG00000184185.8	-5.1179676	4.7657369	1.60E-47	1.94E-45	8.11	7.14	0.24	0.34	0.01	KCNJ12	chr17	protein_coding
ENSG00000125441.1	3.3959543	-2.918118	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	CTD-261611	chr1	antisease
ENSG00000107462.12	-1.1056046	1.90010545	0.0003761	0.0018693	0.46	0.78	0.3	0.46	0.01	SLC24A1	chr15	protein_coding
ENSG0000015193.13	1.292877	5.7146377	8.47E-06	4.17E-05	8.61	8.96	3.94	10.6	0.01	LRP4	chr1	protein_coding
ENSG00000205220.10	1.70591245	0.6270834	1.98E-08	1.37E-07	4.24	3.42	17.28	15.92	0.01	PSMB10	chr1	protein_coding
ENSG00000119791.13	1.350696	1.0532188	8.06E-05	0.00033163	0.35	0.3	0.12	0.22	0.01	MPM2	chr18	protein_coding
ENSG00000108297	1.350919	0.0000000	0.0000000	0.0000000	0.3	0.3	0.12	0.22	0.01	WASL	chr1	protein_coding
ENSG0000010346.16	8.52169697	-0.344016	4.85E-17	9.21E-16	0	0	0.17	0.11	0.01	CACNA1C	chr22	protein_coding
ENSG00000169750.7	-2.0766798	5.27042178	3.31E-12	3.92E-11	50.64	41.94	10.72	12.14	0.01	RAC3	chr17	protein_coding
ENSG00000214049.6	0.95544038	0.4002463	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	UACA	chr19	protein_coding
ENSG0000016920.7	-1.685997	1.69989427	3.16E-07	1.97E-06	1.89	1.82	0.67	0.92	0.01	TMEM9	chr17	protein_coding
ENSG0000014445.12	-1.8554974	4.615398	2.38E-08	1.73E-07	4.36	4.77	1.82	1.99	0.01	OSBP1L	chr3	protein_coding
ENSG0000017926.11	5.2172153	-2.8860383	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	ACAD10	chr17	protein_coding
ENSG00000204731.6	-2.4968279	-2.7137396	0.0004384	0.0246931	0	0.05	0	0.01	0.01	CAD	chr1	protein_coding
ENSG0000015738.17	-1.1466697	6.22840233	7.20E-05	0.0023902	39.4	33.07	20.94	22.1	0.01	DRH54	chr14	protein_coding
ENSG00000204950.3	-1.0365217	1.27044457	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	LRRC10B	chr1	protein_coding
ENSG00000269846.1	2.9683982	-2.0907488	0.0006192	0.00229154	0.04	0	0.02	0.41	0.01	RPL4-62111	chr20	antisease
ENSG00000146678.8	1.79564	1.7061061	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	GFPR1	chr7	protein_coding
ENSG00000178537.8	-1.5262975	4.6959964	2.34E-07	1.48E-06	16.07	16.16	7.14	7.78	0.01	SLC25A2	chr4	protein_coding
ENSG00000208102.12	3.31469784	-0.4058913	1.04E-09	9.04E-09	1.1	1.42	25.63	7.49	0.01	ALG2T171.2	chr14	mRNA
ENSG00000110339.3	1.83245458	5.10411284	5.88E-10	5.26E-09	18.6	17.19	6.26	6.47	0.01	FANCF	chr17	protein_coding
ENSG00000136444.8	-2.2174464	4.58081513	2.36E-12	2.86E-11	12.95	12.06	4.07	3.62	0.01	RSAD1	chr14	protein_coding
ENSG00000188820.11	1.8655249	0.0445894	9.04E-06	4.42E-05	0.56	0	1.43	1.39	0.01	FAM26F	chr17	protein_coding
ENSG00000135486.6	1.4254311	0.9811112	0.0204468	0.00748749	0.17	0.19	0.1	0.21	0.01	RNT1	chr16	protein_coding
ENSG00000110429.12	1.15367389	2.43191179	0.0002926	0.00007653	0.27	0.2	0.49	0.92	0.01	FBXO3	chr11	protein_coding
ENSG0000012515.4	6.5186871	-2.0237618	1.78E-06	9.85E-06	0	0	0.18	0.12	0.01	KCNK13	chr16	protein_coding
ENSG0000010146.10	1.8851185	0.1952001	8.59E-18	3.8E-17	0.04	0.04	0.34	0.42	0.01	NARPFLD	chr1	protein_coding
ENSG00000178573.6	2.81147066	-0.165742	4.71E-06	2.44E-05	0.04	0.02	0.14	0.2	0.01	MAF	chr16	protein_coding
ENSG0000017817.12	0.002969	-0.3377467	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	NEDD4	chr16	protein_coding
ENSG00000162966.11	-4.4637847	0.3704629	9.34E-20	2.20E-18	0.26	0.32	0.01	0.02	0.01	ZNF320	chr19	protein_coding
ENSG0000011201.9	-7.5667983	-1.3550377	3.22E-11	3.41E-10	0.11	0.07	0.01	0	0.01	KNF1	chrX	protein_coding
ENSG00000119965.11	-2.4742651	-0.0092088	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	CDL46B8	chr10	protein_coding
ENSG00000198373.11	4.5949303	0.7833292	1.24E-06	7.02E-06	7.12	7.49	2.62	25.2	0.01	WW	chr16	protein_coding
ENSG00000067900.6	0.14991203	2.85866418	1.69E-30	8.00E-29	0.04	0.09	0.92	2.18	0.01	ROCK1	chr18	protein_coding
ENSG00000104870.11	2.1847708	2.9477789	1.45E-13	7.4E-13	0.36	0.37	0.19	4.17	0.01	FCGR2	chr16	protein_coding
ENSG00000173226.15	1.78491844	2.9379967	1.01E-08	7.73E-08	1.08	1.04	3.89	5.9	0.01	KOXB1	chr1	protein_coding
ENSG00000219660.1	5.47921296	-2.7333202	0.0001808	0.00495521	0	0	0.19	0.08	0.01	RPL1-849N1	chr17	TEC
ENSG00000164676.14	2.174661	2.8641782	1.43E-12	2.19E-13	0.13	0.09	0.01	1.39	0.01	KOXB1	chr1	protein_coding
ENSG00000100138.12	-1.304577	0.8017143	6.26E-06	3.16E-05	178.83	160.38	91.4	91.4	0.01	NHP21	chr22	protein_coding
ENSG0000006047.11	1.96547183	2.3499952	7.07E-18	1.44E-16	0.59	1.17	7.17	4.17	0.01	Y box binding protein 2	chr17	protein_coding
ENSG00000138246.14	2.9400000	0.9569826	2.90E-10	1.51E-07	0.03	0.14	0.14	0.6	0.01	DNAC13	chr1	protein_coding
ENSG00000085511.8	1.5635601	3.40682243	2.53E-07	1.60E-06	0.71	0.84	2.88	3.24	0.01	MAP3K4	chr16	protein_coding
ENSG00000197602.14	2.18158464	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	CCO446	chrX	protein_coding
ENSG00000166707.9	2.69571567	-1.555445	0.00013983	0.00054609	0.02	0.02	0.14	0.17	0.01	ZCCHC18	chrX	protein_coding
ENSG00000227776.5	2.02961001	-1.561869	0.0024943	0.00738991	0.04	0.08	0.18	0.45	0.01	LAGL5-AS1	chr1	antisease
ENSG00000167107.11	5.1688945	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.00	0.00	COA	chr17	protein_coding
ENSG00000095321.15	-6.6315419	5.6183093	7.10E-06	2.50E-05	24.78	23.8	0.31	0.34	0.01	CRAT	chr9	protein_coding
ENSG00000126503.3	-3.3828863	-0.0247563	7.48E-13	9.50E-12	0.3	0.42	0.06	0.03	0.01	RLT1	chr11	protein_coding
ENSG00000167101.1	1.7403409	0.50767871	1.43E-12	4.21E-13	0.09	0.08	0.01	2.46	0.01	CTD-25872	chr11	protein_coding
ENSG00000168955.3	5.6609976	-2.616209	0.0008564	0.0028128	0	0	0.03	0.14	0.01	TMS620	chr1	protein_coding
ENSG00000265801.1	4.54733081	-2.780128	0.0000000	0.0								

ENSG00000251139.1	5.07221595	-2.9660662	0.0104055	0.02582742	0	0	0.13	0.14	RP11-320P7 --			
ENSG00000109834.1	2.0584956	1.0777777	0.0004967	0.9864656	0	0.47	0.03	0.83 SAAO15	sterile alpha motif domain containing 15	chr12	lncRNA	
ENSG0000012175.1	2.0745567	1.3003787	0.05045	0.403E-08	0.06	0.1	0.26	0.62 MALT1	MALT1 paracaspase	chr18	protein_coding	
ENSG0000016604.13	2.52765449	2.22595844	7.00E-14	9.95E-13	0.09	0.18	0.55	0.15 CEP295	centrosomal protein 295kDa	chr11	protein_coding	
ENSG0000016551.12	3.0584975	0.0000000	0.0000000	0.0000000	0	0	0.00	0.05 ALPL	alkali phosphatase, liver/bone/kidney	chr10	protein_coding	
ENSG00000231190.3	1.14617668	1.08401584	1.93E-05	8.88E-05	0.06	0.06	0.11	0.47 MLLT11	myeloid/lymphoid or mixed-lineage leukemia (thrombopoietin receptor, Drosophila); translocated to 11	chr17	protein_coding	
ENSG00000231195.1	3.8712652	-2.1134597	8.40E-05	0.0003415	0	0.02	0.23	0.19 AC025242		chr17	lncRNA	
ENSG00000138029.9	1.84204741	5.60141486	2.96E-06	5.07E-03	0.03	0.06	0.88	0.01 RING	ring finger protein 151	chr17	protein_coding	
ENSG00000233846.2	-1.5390452	-0.153043	0.0002247	0.00083409	0.08	0.23	0.08	0.06 PCDHGA10	protocadherin gamma subfamily A, 10	chr17	protein_coding	
ENSG00000152952.10	2.7403765	3.7417424	5.52E-18	1.13E-16	0.07	0.59	3.08	8.24 FLOCT2	procollagen-leukine 2, oxoglutarate 5-dioxygenase 2	chr3	protein_coding	
ENSG00000165413.9	2.5826166	1.16611046	1.46E-06	4.48E-05	0.03	0.1	0.0	0.00 TMEM10	transmembrane protein 10	chr10	protein_coding	
ENSG00000149191.9	-1.3252528	6.72356764	4.73E-06	2.45E-05	0.78	0.89	0.89	44.77 BOD1	biorientation of chromosomes in cell division 1	chr3	protein_coding	
ENSG00000197803.7	2.2932466	5.29117661	2.83E-11	1.44E-14	0.11	0.36	181.4	19.05 HST1H2BK	histone cluster 1, H2BK	chr15	protein_coding	
ENSG00000232343.1	1.8459849	-0.2688166	5.98E-05	0.00017345	0.31	0.59	1.6	1.64 RP13-131K1		chr16	antisense	
ENSG00000179580.8	-2.7451228	-2.5779702	0.003237	0.00945156	0.33	0	0	0.06 RNF151	ring finger protein 151	chr16	protein_coding	
ENSG00000171533.10	1.113003	2.39947592	1.41E-05	1.59E-05	0	0.182	0	1.71 MAP6	microtubule-associated protein 6	chr11	protein_coding	
ENSG00000121214.12	1.2201065	0.8664561	0.00064136	0.00021989	0.1	0.27	0.35	0.77 WWP1	WW domain containing E3 ubiquitin protein ligase 1	chr8	protein_coding	
ENSG0000016451.12	1.5223588	3.4666668	5.50E-07	3.03E-06	1.25	1.65	4.37	6.79 CENPN	centromere protein	chr16	protein_coding	
ENSG00000181222.13	1.0338282	5.01753387	0.0024453	0.00091957	36.36	44.13	117.07	105.61 POLR2A	polymere RNA (DNA directed) polypeptide A, 220kDa	chr17	protein_coding	
ENSG00000120644.9	5.8023914	-2.6705827	0.00084136	0.00021818	0	0	0.27	0.27 SPG20-AS1	SPG20 antisense RNA 1	chr13	antisense	
ENSG00000226354.4	3.8544582	-2.1235498	8.40E-05	0.0003415	0.04	0	0.35	0.04 UNC105A4		chr18	lncRNA	
ENSG00000129812.7	2.6918811	1.85372328	1.02E-14	1.59E-13	0.22	0.07	1.27	3.59PT1	schizophrenia-1-phosphate phosphatase 1	chr14	protein_coding	
ENSG00000103915.15	2.5729939	0.8738364	5.56E-11	5.5E-10	0.05	0.06	0.17	0.7	OSBPFL8	oxysterol binding protein-like 8	chr12	protein_coding
ENSG00000278634.1	-1.4029308	2.0373467	1.00E-05	0.67E-05	3.81	2.94	1.44	1.96 RP11-4580.1		chr17	antisense	
ENSG00000169944.4	-1.1174399	8.1020253	0.0001689	0.00062715	15.29	12.13	0.0	8.55 TMEM42	transmembrane protein 42	chr17	protein_coding	
ENSG00000144395.16	2.6622598	0.9926362	6.37E-12	7.31E-11	0.07	0.13	0.58	1.08 CDC150	coiled-coil domain containing 150	chr2	protein_coding	
ENSG00000236661.1	-1.7253475	-1.2151504	3.98E-12	4.67E-11	1.45	0.59	0	0	A000147.9		chr16	antisense
ENSG00000211895.4	-5.6609181	-2.7818379	0.0085654	0.0028128	0.05	0.23	0	0	IGHA1	immunoglobulin heavy constant alpha 1	chr14	IG C gene
ENSG00000179387.8	1.9261395	1.2809463	5.60E-08	3.89E-07	0.17	0.15	0.61	0.14 ELMOD2	ELMOD2-12 domain containing 2	chr16	protein_coding	
ENSG0000025764.1	0.0011668	-2.6722499	0.0043984	0.0246903	0.02	0	0.08	0.14 UXT-AS1	UXT antisense RNA 1	chr16	antisense	
ENSG0000028641.14	-1.061245	9.58641373	0.00024817	0.00092405	143.42	170.79	101.56	100.23 NF2E1	nuclear factor, erythroid 2-like 1	chr17	protein_coding	
ENSG00000197626.1	1.8777473	2.48455237	4.24E-09	3.44E-08	0.35	0.4	1.52	2.16 PKD2	polycystic kidney disease 2 (autosomal dominant)	chr16	protein_coding	
ENSG00000272363.1	0.0013461	-2.8669109	0.0014642	0.0257423	0.23	0.08	0	0	RP11-34AP1.1		chr17	antisense
ENSG00000295999.1	2.5746668	-2.3509436	0.0045824	0.0219303	0.01	0	0.09	0.03	RP11-121C2		chr3	lncRNA
ENSG0000011454.13	2.1120000	-2.249261	0.0071391	0.00484659	0	0.01	0.08	0.03	PRMC4B	FERM domain containing 4B	chr4	protein_coding
ENSG00000254445.1	0.8894645	-0.0622981	0.0088913	0.04519557	0	0	0.04	0.11	HPSP2-C11orf52 readthrough (NM0 candidate)	chr12	protein_coding	
ENSG0000013117.12	2.0417636	0.1346604	1.72E-06	9.57E-06	0.04	0.1	0.04	0.46	CNFR8	connexin coupled receptor 89B	chr11	protein_coding
ENSG00000188932.13	0.5949602	0.0000000	0.0000000	0.0000000	0	0	0	0.34	GPBB2	glycoprotein beta	chr12	protein_coding
ENSG00000183317.15	5.7053035	1.89830756	6.48E-41	5.23E-39	0.01	0	1.2	0.18	EPHA10	Eph receptor A10	chr11	protein_coding
ENSG0000016305.13	4.0401467	2.20055304	2.24E-26	8.46E-25	0.07	0.08	12.3	2.19	PFPR2	protein phosphatase 4, regulatory subunit 2	chr3	protein_coding
ENSG0000012584.6	0.0069806	0.0000000	0.0000000	0.0000000	0	0	0	0	PTGS2	prostaglandin H synthase 2 (cyclooxygenase 2)	chr14	protein_coding
ENSG00000118903.7	2.1640479	0.57352398	4.00E-08	2.81E-07	0.08	0.07	0.4	0.54	EXOC8	exocyst complex component 8	chr11	protein_coding
ENSG00000166588.6	7.4897135	-1.2918717	7.65E-11	7.77E-10	0.7	0.62	0	0.54	UKP1A	uropkinase 1A	chr19	protein_coding
ENSG0000021717.7	1.2742031	8.45360119	4.74E-10	4.33E-09	1.64	2.52	4.95	8.53	CUCP2	chloride intracellular channel 1	chr19	protein_coding
ENSG00000207778.1	3.10155371	-2.6122053	0.0043894	0.0246903	0.01	0.03	0.15	0.15	PGMP52	cholesterol/human 5-pseudoenone 2	chr9	lncRNA
ENSG0000014226.12	-1.5168012	-1.4312533	0.0151564	0.0292584	0.04	0.28	0.11	0.05	ICG2RA	IC fragment of IgG, low affinity IIa, receptor (CD32)	chr1	protein_coding
ENSG00000105925.10	0.812121	0.1315931	1.29E-10	2.72E-09	0.08	0.04	0.1	0.08	TPP2	tissue factor pathway inhibitor 2	chr10	protein_coding
ENSG00000252830.2	1.56042153	0.14695093	1.67E-07	1.08E-06	2.55	3.85	7.33	18.01	IDO1	EP300 interacting inhibitor of differentiation 1	chr15	protein_coding
ENSG00000189364.6	0.5147047	0.0000000	0.0000000	0.0000000	0	0	0	4.07	RTNMR1	reticulon 1	chr17	protein_coding
ENSG00000117525.12	2.0849643	3.8453073	9.73E-12	1.09E-10	0.17	0.29	8.89	12.94	F3	coagulation factor III (thromboplastin, tissue factor)	chr1	protein_coding
ENSG00000197611.13	1.1193031	-0.2224125	0.0018013	0.0215806	0.49	0.13	0.66	1.16	C16orf86	chromosome 16 open reading frame 86	chr16	protein_coding
ENSG00000168724.13	1.2742031	8.45360119	4.74E-10	4.33E-09	1.64	2.52	4.95	8.53	DNAH23	DnaH (Hsp40) homolog, subfamily C, member 21	chr5	protein_coding
ENSG00000336672.14	-2.4687657	1.0744556	1.19E-11	1.33E-10	0.61	0.79	0.15	0.19	USP2	ubiquitin specific peptidase 2	chr11	protein_coding
ENSG00000147321.12	6.30147617	-2.1795914	1.55E-05	7.26E-05	0	0	0.03	0.13	C16orf87	chromosome X open reading frame 57	chr16	protein_coding
ENSG0000024677.1	3.8830770	-1.384464	0.0000000	0.0000000	0	0	0	0.25	RP11-6141A		chr16	lncRNA
ENSG0000019144.15	1.6085694	6.86550497	3.53E-08	2.51E-07	7.98	7.89	31.17	32.75	PHLDB1	pleckstrin homology-like domain, family B, member 1	chr11	protein_coding
ENSG00000145914.14	-2.5401411	2.7951918	3.76E-15	6.08E-14	0.96	0.25	0.21	0.21	ARHGAP26	Rho GTPase activating protein 26	chr5	protein_coding
ENSG00000163862.14	0.3125108	1.315E-10	3.10E-07	1.33E-06	34.94	16.58	RP18	16.58	RP18	ribosomal protein 18	chr1	protein_coding
ENSG0000007248.8	2.6883008	2.58613023	2.73E-12	3.26E-11	0.37	0.36	1.56	3.15	PDH29	DEAH (Psi-Glu-His) box polypeptide 29	chr5	protein_coding
ENSG0000015540.13	2.2339444	0.0000000	0.0000000	0.0000000	0	0	0	0.75	MOG4	MOG family member 4, phocin	chr2	protein_coding
ENSG00000196267.11	-1.5779581	-0.4613589	0.0007382	0.00251885	0.1	0.05	0.17	0.42	ZNF836	zinc finger protein 836	chr19	protein_coding
ENSG0000013117.15	-6.414903	0.9471303	2.20E-30	1.03E-28	1.49	1.72	0.03	0.01	SH3BGR1	SH3 domain binding glutathione-rich protein like	chrX	protein_coding
ENSG00000213341.9	2.5981601	1.8831089	0.0000000	0.0000000	0	0	0	0.12	12	conserved helix-loop-helix ubiquitous motif	chr12	protein_coding
ENSG00000163939.17	1.9640483	2.78834282	4.92E-10	4.47E-09	0.26	0.31	0.14	1.55	PRM1	polycomb 1	chr1	protein_coding
ENSG0000017988.17	-1.0028257	6.24078698	0.0005945	0.0012962	12.77	14.03	8.58	8.93	PXD0C1	cytoskeletal-dependent decarboxylase domain containing 1	chr16	protein_coding
ENSG00000124510.16	0.0000000	0.0000000	0.0000000	0.0000000	0	0	0	27.21	SERPINE6	serpin family E member 6 (ovalbumin), member 6	chr16	protein_coding
ENSG00000102882.10	-1.3017973	5.6573349	7.52E-06	3.74E-05	21.39	18.73	13.13	10.34	MAPK3	mitogen-activated protein kinase 3	chr16	protein_coding
ENSG00000165688.6	-1.059197	0.14505075	0.00037418	0.00134039	1.39	2.24	1.87	1.46	NR02	nuclear receptor subfamily 2, group F, member 2	chr15	protein_coding
ENSG00000146311.11	2.4254187	-1.1465894	0.0009666	0.00031396	0.36	0.06	0.1	0.19	RHIC2	Rh family C, glycoprotein 2	chr16	protein_coding
ENSG00000168300.12	1.7335599	0.6117901	5.18E-06	2.66E-05	0.12	0.08	0.24	0.63	PCMTD1	protein-L-isoaspartate (D-aspartate)-O-methyltransferase domain containing 1	chr8	protein_coding
ENSG0000013655.12	3.0061663	0.9752626	5.33E-14	7.64E-13	0.02	0.02	0.15	0.28	USP15	ubiquitin specific peptidase 15	chr12	protein_coding
ENSG00000221895.5	0.7897947	2.6913907	3.01E-07	3.03E-06	0.94	0.06	0.1	0.43	HLG4R	HQMO antisense growth-associated long non-coding RNA	chr1	antisense
ENSG00000179454.12	-1.5770205	-0.5222906	0.0011944	0.0036441	0.02	0.06	0.03	0.26	KHLH28	kelch-like family member 28	chr14	protein_coding
ENSG00000225715.5	6.4494613	0.0000000	0.0000000	0.0000000	0	0	0	4.00	TNRC3	tumor necrosis factor receptor class 3 member 3	chr19	protein_coding
ENSG0000018625.13	3.6284353	0.5777185	1.93E-15	3.21E-14	0.01	0.05	0.53	0.49	ATPLA2	ATPase, Na(+)-K(+)-transporting, alpha 2 polypeptide	chr19	protein_coding
ENSG00000164933.15	2.5593254	1.0754018	1.33E-11	1.47E-10	0.19	0.53	0.1	0.01	PMS1	PMS1 postmitotic segregation increased 1 (S. cerevisiae)	chr16	protein_coding
ENSG00000138172.9	3.8252114	0.2948794	0.0000000	0.0000000	0	0	0	1.32	CALU4	calmodulin homeostasis modulator 2	chr10	protein_coding
ENSG0000010238.14	-1.0998989	1.0297736	0.00116271	0.00376756	0.52	0.57	0.16	0.51	SMARCA1	SWI/SNF-related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 1	chrX	protein_coding
ENSG00000168487.16	-2.4610268	7.4990604	2.31E-16	4.13E-15	50.29	51.66	13.37	11.69	BMP1	bone morphogenetic protein 1	chr16	protein_coding
ENSG0000020760.1	0.0000000	0.0000000	0.0000000	0.0000000	0	0	0	6.41	C15orf10	small nuclear RNA, HACA box 6	chr15	lncRNA
ENSG00000104763.16	1.32658897	4.02725206	7.86E-06	3.90E-05	2.37	2.74	6.68	10.49	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	chr1	protein_coding
ENSG00000184702.16												

ENSG00000171110	1.690455	4.793732	1.08E-08	8.20E-08	5.75	6.1	20.96	30.51	MPK22	mitochondrial ribosomal protein S22	chv3	protein_coding
ENSG00000171110	1.237716	4.856434	1.22E-14	1.88E-13	13.61	12.05	3.5	3.62	PANX2	pannexin 2	chv2	protein_coding
ENSG00000171110	1.535455	4.759919	0.000000	0.000000	0.00	0.00	0.00	0.29	HCG135	H1A complex group 135 (non-protein-coding)	chv3	antisense
ENSG00000140530.14	1.483621	1.765044	1.38E-07	1.99E-06	96.46	115.98	45.7	55.17	ANP23A	acidic (leucine-rich) nuclear phosphoprotein 23	chv3	protein_coding
ENSG00000138102.12	1.195723	0.498281	8.88E-05	8.48E-05	0.52	0.3	0.14	0.14	TRM54	translational modulating factor 54	chv2	protein_coding
ENSG00000178862.11	1.524738	1.886211	1.11E-09	1.11E-09	0.19	0.19	0.19	1.19	LGALS1	lectican, galactoside-binding	chv2	protein_coding
ENSG00000143369.13	2.601313	3.389183	2.15E-16	3.88E-15	6.75	6.69	1.5	1.4	ECM1	extracellular matrix protein 1	chv1	protein_coding
ENSG00000268955.5	2.227514	4.333490	2.28E-13	3.04E-12	45.73	34.24	9.87	12.97	SNR58	small nuclear RNA host gene 58	chv4	lncRNA
ENSG00000270017.11	1.923872	2.098033	4.45E-16	6.16E-16	0.09	0.09	0.09	0.28	ACAM4	actin cytoskeleton cell adhesion molecule	chv3	protein_coding
ENSG00000270171.11	1.8716504	1.6741001	0.0046779	0.0137154	0.14	0	0.39	0.33	RPL11-823P2	ribosomal protein L11-823P2	chv5	TEC
ENSG0000043153.11	1.1981038	6.326741	3.41E-05	0.0001507	14.53	16.85	40.05	56.24	ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	chv1	protein_coding
ENSG0000043636.11	1.983638	0.836140	8.66E-14	1.64E-14	0.04	0.06	0.06	0.3	BAT2B	hemodominant adjacent to zinc finger domain, 2B	chv2	protein_coding
ENSG00000528101.2	2.545897	1.262967	0.000000	0.0015623	0.04	0.04	0.2	0.14	RPL11-977B1	ribosomal protein L11-977B1	chv5	antisense
ENSG00000155867.12	1.4142849	0.770424	0.000000	0.0047706	0.03	0.21	0.06	1.24	MEOT	mediator complex subunit 7	chv2	protein_coding
ENSG00000168177.16	1.588935	1.5232655	5.71E-06	1.9E-06	0.08	0.08	0.08	0.68	KIF168	kinetochore protein 168	chv5	protein_coding
ENSG00000162777.15	3.0618211	1.5202439	1.96E-21	1.30E-19	0.96	0.83	0.92	11.12	DENNDMM2	DENNDMM2 domain containing 20	chv1	protein_coding
ENSG00000176013.13	1.089824	0.394759	5.908881	1.10E-08	0.00	0.00	0.00	0	ZNF65	zinc finger protein 65	chv1	protein_coding
ENSG00000177887.7	3.458301	1.1471728	6.90E-05	0.0002689	0.01	0.13	0	0.02	ZNF181	zinc finger and BTB domain containing 41	chv1	protein_coding
ENSG00000178914.1	2.856700	2.507929	0.073701	0.0197584	0.04	0.02	0.01	0	ZNF154	zinc finger protein 154	chv1	protein_coding
ENSG00000193021.11	5.0620318	2.971678	0.000000	0.000000	0.00	0.00	0.00	0.00	C15orf58	chromosome 15 open reading frame 58	chv1	protein_coding
ENSG00000238811.1	8.345054	0.6531458	1.07E-16	3.17E-15	0.5	0.59	0	0	RPL11-7F17.2	ribosomal protein L11-7F17.2	chv4	lncRNA
ENSG00000108319.1	4.8795743	1.3399184	3.66E-08	2.59E-07	0	0.01	0.1	0.14	ASP4	aspartoacylase	chv1	protein_coding
ENSG00000101017.1	0.022653	1.108172	0.000000	0.000000	0.00	0.00	0.00	0	RPL11-152A1	ribosomal protein L11-152A1	chv1	protein_coding
ENSG00000197782.13	1.282708	0.246836	0.0027504	0.002827	0.06	0.04	0.08	0.02	ZNF780A	zinc finger protein 780A	chv1	protein_coding
ENSG00000135454.12	1.325306	3.4599351	7.72E-23	8.35E-22	4.32	3.58	0.55	0.51	BACALN1	beta-1,4-N-acetyl-galactosaminyl transferase 1	chv2	protein_coding
ENSG00000135454.12	1.484032	0.289265	5.28E-02	7.30E-02	0.00	0.00	0.00	0.00	SCM4	scum chain-binding related glycoprotein alpha subunit long interspersed non-protein-coding RNA 173	chv2	protein_coding
ENSG00000196683.3	6.357467	1.232604	8.95E-06	4.38E-05	0.15	0.16	0</					

ENSG00000157764.11	1.15136451	1.01779057	0.000989	0.00325251	0.44	0.34	1.28	1.05	BRAF	B-Raf proto-oncogene, serine/threonine kinase	chr7	protein_coding
ENSG00000197059.9	1.86703383	-0.9663265	9.76E-05	0.0003966	0.05	0.06	0.33	0.24	ZNF420	zinc finger protein 420	chr19	protein_coding
ENSG00000207644.4	-3.5817465	-2.6400807	0.003237	0.00945156	0.03	0.03	0	0.01	INSR	insulin receptor-related receptor	chr19	protein_coding
ENSG00000185099.11	1.2024844	3.13604188	7.40E-05	0.00030587	0.65	0.88	2.31	2.69	AP3M1	adaptor-related protein complex 3, mu 1 subunit	chr10	protein_coding
ENSG00000133867.14	-1.783757	5.20915845	1.26E-09	1.08E-08	4.25	5.61	1.82	1.96	TMT1C1	transmembrane and tetrahydrocoptide repeat containing 1	chr12	protein_coding
ENSG00000189042.12	3.97139922	0.17552234	1.07E-14	1.66E-13	0.01	0.04	0.24	0.75	ZNF567	zinc finger protein 567	chr19	protein_coding
ENSG00000242114.4	-1.615986	0.89070931	6.25E-06	3.13E-05	1.76	1.42	0.8	0.58	MTFR1	mitochondrial tfrion process 1	chr22	protein_coding
ENSG00000206611.1	4.9005931	-3.045493	0.010465	0.0293742	0	0	3.42	0	SNORD24	small nucleolar RNA C/D box 24	chr4	snoRNA
ENSG0000013737.13	-2.068783	6.76900377	2.80E-12	3.34E-11	16.36	20.38	6.13	5.51	MDCL1	mediator of DNA-damage checkpoint 1	chr4	protein_coding
ENSG00000280152.1	1.99493089	-0.560653	3.32E-05	0.0001467	0.08	0.01	0.27	0.24	RP11-331F4.1	RP11-331F4.1	chr16	TEC
ENSG00000124140.11	1.98477364	2.01686515	1.82E-09	1.53E-08	0.19	0.19	0.07	1.03	SLC12A5	solute carrier family 12 (potassium/chloride transporter), member 5	chr20	protein_coding
ENSG00000103811.14	3.69070257	6.41345232	5.65E-31	2.72E-29	3.92	5.14	79.01	76.55	CTSH	cathepsin H	chr15	protein_coding
ENSG00000277938.1	-1.367626	0.21622953	0.0003073	0.0011156	0.46	0.53	0.17	0.33	RP5-965G21	--	chr20	lincRNA
ENSG00000155016.16	1.19435896	1.99204253	0.00020352	0.00076736	0.36	0.38	0.83	1.45	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	chr4	protein_coding
ENSG00000277838.1	-5.7793342	-2.7087353	0.00047761	0.00167191	0.26	0.14	0	0	RP11-213J1P.1	--	chr22	lincRNA
ENSG00000204989.9	-1.4634242	6.5149762	4.85E-07	2.94E-06	70.3	76.79	38.45	34.53	NR6B1	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1	chr6	protein_coding
ENSG00000276741	4.66554413	-0.7698815	5.75E-11	5.92E-10	0	0.03	0.31	0.79	RP11-582E3	--	chr12	lincRNA
ENSG0000017595.9	10.3775446	1.39643148	9.02E-37	5.71E-35	0	0	1.24	1.16	IRF6	interferon regulatory factor 6	chr1	protein_coding
ENSG00000175592.7	-1.2711028	6.4142139	1.13E-05	5.43E-05	48.71	57.48	30.38	26.13	FCBL1	FCB-like antigen 1	chr11	protein_coding
ENSG00000179546.4	-3.7490563	2.3902218	2.73E-25	9.62E-24	2.75	2.82	0.37	0.18	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D, G protein-coupled	chr1	protein_coding
ENSG0000040470.10	-1.0776268	4.96528978	0.00021034	0.00079194	13.47	12.29	8.93	7.3	SMAP2	small ArfGAP2	chr1	protein_coding
ENSG00000153818.17	2.9852895	2.4348212	4.65E-13	5.97E-12	0.11	0.1	0.72	0.79	UTRN	utrochitin	chr6	protein_coding
ENSG00000210127.1	3.6853205	2.24800653	9.05E-24	2.87E-22	5.04	10.68	145.31	123.13	MT-TA	mitochondrially encoded tRNA alanine	chrM	lincRNA
ENSG00000251359.4	2.0783919	-0.4920494	1.59E-05	7.44E-05	0.07	0.1	0.47	0.54	WWC2-AS2	WWC2 antisense RNA 2	chr4	lincRNA
ENSG00000168939.9	-5.1891546	-0.7248457	3.08E-14	4.53E-13	0.09	0.11	0	0.01	SPRY3	sprouty homolog 3 (Drosophila)	chr2	protein_coding
ENSG00000281195.1	6.4257156	-2.0976964	3.03E-06	1.62E-05	0	0	0.38	0.07	ZNF638-IT1	ZNF638 intronic transcript 1	chr11	processed_transcript
ENSG00000145664.10	1.15470035	-0.0295552	0.00431545	0.01229353	0.39	0.11	0.81	0.67	CSAM	endothelial cell adhesion molecule	chr11	protein_coding
ENSG00000281823.13	6.04467832	-2.3656018	4.74E-05	0.00020301	0	0	0.39	0.33	FAM159A	family with sequence similarity 159, member A	chr1	protein_coding
ENSG00000103037.10	1.1727595	4.36041481	6.68E-05	0.00027899	2.5	3.11	7.29	9.59	SETD6	SET domain containing 6	chr16	protein_coding
ENSG00000135341.16	1.5861965	1.95937423	1.13E-06	6.41E-06	0.19	0.29	0.67	1.25	MAP3K7	mitogen-activated protein kinase kinase kinase 7	chr1	protein_coding
ENSG00000303999.9	1.40811195	1.09625472	5.52E-05	0.00023355	0.18	0.11	0.33	0.07	LYRM2	LYR motif containing 2	chr6	protein_coding
ENSG00000182010.9	2.98551298	-1.3398833	1.43E-05	6.79E-05	0.01	0	0.04	0.08	RTKN2	roctekin 2	chr10	protein_coding
ENSG0000018761.10	-1.8478846	3.12159434	2.09E-09	1.89E-08	4.74	5.56	1.89	1.92	CTH	cathepsin gamma-lyase	chr1	protein_coding
ENSG00000183401.13	1.33548778	2.00333303	3.44E-05	0.00015143	1.39	1.17	4.82	3.77	CDC159	coiled-coil domain containing 159	chr19	protein_coding
ENSG00000176022.4	-1.1338979	6.05153466	9.09E-05	0.00036785	26.7	26.8	17.33	17	EGALT6	UDP-galactose 4-epimerase	chr1	protein_coding
ENSG00000279885.1	1.0612862	3.53496753	0.00036146	0.00129847	4.3	3.59	2.74	2.29	RASL10B	RAS-like family 10, member B	chr17	protein_coding
ENSG00000253220.1	5.56116133	-2.6812008	0.00086564	0.00288128	0	0	0.13	0.61	RP11-103H7	--	chr8	lincRNA
ENSG00000189189.11	-1.3024649	-0.3967544	0.0001035	0.0003108	0.07	0.08	0.4	0.17	USP46	ubiquitin specific peptidase 46	chr1	protein_coding
ENSG00000067141.15	6.93228084	6.30381051	2.32E-73	1.14E-70	0.12	0.17	24.08	21.82	NEO1	neogenin 1	chr15	protein_coding
ENSG00000232010.1	4.57135599	1.54104434	4.02E-26	1.49E-24	0.1	0.6	9.74	12.39	AP001059.5	--	chr21	antisense
ENSG00000168765.14	-10.404476	4.41661914	1.89E-02	5.82E-79	7.44	6.91	0	0.01	GSTM4	glutathione S-transferase mu 4	chr1	protein_coding
ENSG00000183426.14	-1.7061383	0.21183713	1.11E-05	5.36E-05	0.73	1.6	0.37	0.57	NP1PA1	nuclear pore complex interacting protein family, member A1	chr16	protein_coding
ENSG00000151208.15	1.63639196	1.76619811	2.04E-08	1.49E-07	8.38	7.96	34.45	33.24	DIL5	discs, large homolog 5 (Drosophila)	chr10	protein_coding
ENSG00000280225.1	-1.3513333	2.2722716	1.86E-05	8.57E-05	5.6	6.15	3.61	2.51	AC074183.3	--	chr7	TEC
ENSG00000277324.1	5.37402558	-2.7967694	0.00188008	0.00495521	0	0	0.21	0	RP11-850A1	--	chr18	antisense
ENSG0000049860.12	1.00953315	6.44477228	0.00045522	0.00160336	14.62	17.93	35.59	52.08	HXK8	hexosaminidase B (beta polypeptide)	chr5	protein_coding
ENSG00000121390.16	1.33388276	5.47428939	4.71E-06	2.44E-05	7.04	9.23	22.97	32.44	PSPC1	parapodex component 1	chr13	antisense
ENSG00000247708.6	-1.1351753	0.13682159	0.00389859	0.01067581	0.1	0.29	0.14	0.1	STX18-AS1	STX18 antisense RNA 1 (head to head)	chr2	antisense
ENSG0000017292.13	1.69962462	2.37243134	1.05E-07	7.03E-07	0.33	0.21	0.92	1.4	CEBPG	ceramide synthase 6	chr2	protein_coding
ENSG00000159184.7	1.95039483	4.3357974	1.00E-10	1.00E-09	1.98	1.87	10.05	9.8	HCOX813	homeobox B13	chr17	protein_coding
ENSG00000260401.1	-5.8632571	3.01819579	1.14E-46	1.32E-44	3.76	3.93	0.07	0.11	RP11-800A3	--	chr11	sense_intronic
ENSG0000016704.7	1.83700644	3.08875733	3.28E-09	2.69E-08	0.51	0.45	1.89	2.72	SLC5D1	solute carrier family 35 (UDP-GlcA/UDP-GalNAc transporter), member D1	chr1	protein_coding
ENSG00000280378.1	1.89397405	-2.0965576	0.02035181	0.04824221	0.03	0.03	0.26	0.08	RP4-758J24	--	chr1	TEC
ENSG00000175895.3	3.27106925	-0.4300822	1.80E-09	1.52E-08	0	0.06	0.4	0.42	PLEKH2	pleckstrin homology domain containing, family F (with FYVE domain) member 2	chr8	protein_coding
ENSG0000046813.9	2.2772154	2.4604113	3.18E-12	3.78E-11	0.4	0.63	2.46	4.17	AKO3PHPT	aminoacidate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	chr11	protein_coding
ENSG00000163687.12	2.2041172	-1.2653566	0.00025593	0.00094973	0.05	0.02	0.25	0.2	DNASE1L3	deoxyribonuclease I-like 3	chr1	protein_coding
ENSG00000095397.12	1.38822953	5.38764598	1.98E-06	1.09E-05	3.52	3.42	12.41	11.76	DNBS31	deafness, autosomal recessive 31	chr9	protein_coding
ENSG00000151025.9	7.73123256	-1.0389136	1.78E-12	2.16E-11	0	0.11	0.11	0.14	GRPL98	G protein-coupled receptor 158	chr10	protein_coding
ENSG0000020662.14	2.04772914	0.13747159	1.03E-06	5.82E-06	0.12	0.12	0.46	0.84	MTFR1	mitochondrial translational release factor 1	chr13	protein_coding
ENSG0000013389.14	-2.9778007	3.93052058	6.50E-21	1.67E-19	2.42	2.61	0.33	0.52	NPR3	neutrinetic peptide receptor 3	chr5	protein_coding
ENSG00000166450.11	1.90749812	-0.217663	2.12E-05	9.70E-05	0.01	0.03	0.09	0.13	PRTG	prototegmen	chr15	protein_coding
ENSG00000138999.9	-1.9228234	0.95616254	7.40E-08	5.06E-07	0.76	1.16	0.29	0.38	CBLN3	cerebellin 3 precursor	chr14	protein_coding
ENSG00000265382.18	-1.9808866	0.26078512	1.79E-11	1.95E-10	28.27	23.36	8.75	8.6	TBC1D2	TBC1 domain family, member 2	chr9	protein_coding
ENSG00000204370.7	1.81944602	1.26433416	2.41E-07	1.53E-06	0.47	0.25	1.54	1.85	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	chr11	protein_coding
ENSG00000259501.1	1.0987507	2.00055834	0.000563	0.00195285	7.57	5.08	16.92	19.35	RP11-37C7.1	--	chr15	processed_transcript
ENSG00000227816.5	1.05683275	5.16663357	0.00028426	0.00091747	4.96	4.64	10.38	16.44	DHRP	deoxyribonuclease	chr5	protein_coding
ENSG00000111647.11	2.7891025	0.16202964	6.83E-10	6.10E-09	0.03	0.04	0.21	0.49	UHRF1BP1L	UHRF1 binding protein 1-like	chr12	protein_coding
ENSG00000275714.1	1.97000554	-1.8109004	0.00675696	0.01629645	0.2	0.14	1.17	0.66	HST1H3A	histone cluster 1, H3a	chr6	protein_coding
ENSG00000166878.13	1.78646839	2.8976072	1.08E-08	8.22E-08	0.36	0.4	1.13	2.36	PSM4	proteasome (prosome, macrocain) activator subunit 4	chr2	protein_coding
ENSG000001114.13	1.59605778	2.36961802	4.83E-07	2.93E-06	0.19	0.24	0.85	0.86	BTBD7	BTB (POZ) domain containing 7	chr14	protein_coding
ENSG0000029200.11	6.24952512	-2.2192205	1.55E-05	7.28E-05	0	0	0.05	0.09	PRGPR1	retinitis pigmentosa GTPase regulator interacting protein 1	chr14	protein_coding
ENSG00000251207.5	4.8260007	-3.0239124	0.01888073	0.04519557	0	0	0.05	0.03	AC108938.5	--	chr2	protein_coding
ENSG00000134775.14	-1.7983856	2.68837616	9.32E-09	7.17E-08	1.49	1.37	0.53	0.57	FHOD3	formin homology 2 domain containing 3	chr18	protein_coding
ENSG00000264681.1	2.9384135	-1.7007436	0.00023185	0.00086708	0.06	0.03	0.22	0.79	CTP-131K11	--	chr15	protein_coding
ENSG00000276292.1	5.44525159	-2.7521026	0.00188008	0.00495521	0	0	0.15	1.41	RP11-33N14	--	chr12	antisense
ENSG00000138496.15	1.77621896	2.42911633	2.83E-08	2.04E-07	0.2	0.29	0.95	1.31	PARP9	poly (ADP-ribose) polymerase family, member 9	chr3	protein_coding
ENSG00000128310.2	6.7434818	-1.8540725	2.24E-07	1.42E-06	0	0	0.53	0.24	CAUS3	galatinin receptor 3	chr22	protein_coding
ENSG00000175555.8	2.10574225	5.17945207	2.22E-12	2.69E-11	1.16	1.41	7.14	7.62	SIPALL1	signal-induced proliferation-associated 1 like 1	chr14	protein_coding
ENSG00000107651.11	1.54487664	3.48340672	3.32E-07	2.08E-06	0.66	0.62	2.1	2.89	SEC23P	SEC23 interacting protein	chr1	protein_coding
ENSG00000140006.10	2.2024119	0.13										