

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

Gene	logFC	logCPM	Pvalue	FDR	Vec1_2	Vec2_2	miR630_1	miR630_2	Symbol	Description	Chromosome	Genotype
ENSG0000025727.1	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	miR317-3	miR317-3	chr20	antisense
ENSG0000010310.13	1.10234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	miR317-3	miR317-3	chr20	antisense
ENSG0000018309.11	1.73178534	4.0213883	0.0002020	0.0076235	0.04	0.16	0.59	0.32	RUNDC2A	RUN domain containing 3A	chr17	protein_coding
ENSG0000057704.9	1.0534401	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	TMC3C3	transmembrane and coiled-coil domain family 3	chr13	protein_coding
ENSG0000018963.12	-1.0175381	5.86513658	0.0004201	0.0149293	10.38	1.26	0.58	7.08	IBCD2	bicaudal D homolog 2 (Drosophila)	chr17	protein_coding
ENSG0000014698.13	2.46415426	-0.2891022	2.04E-07	1.31E-06	0.05	0.23	0.05	0.05	PISCR4	phospholipid scramblase 4	chr17	protein_coding
ENSG0000010491.1	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	CTD-2139B1	CTD-2139B1	chr19	lincRNA
ENSG00000173480.9	1.7894051	4.0213883	0.0002020	0.0076235	0.08	0.12	0.45	0.47	ZNF417	zinc finger protein 417	chr19	protein_coding
ENSG0000012931.17	1.3022089	2.9119762	2.12E-05	0.06E-05	0.96	1.05	2.31	0.27	SLMO2	serpin family M member 2	chr14	protein_coding
ENSG0000024979.1	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	RP11-666A2.2	RP11-666A2.2	chr19	antisense
ENSG0000050795.11	1.6493860	-0.1535694	0.0001163	0.0004266	0.02	0.07	0.12	0.26	FNIP2	folliculin interacting protein 2	chr19	protein_coding
ENSG0000017402.16	-1.0755808	6.2435305	0.0002020	0.0076235	45.33	36.93	26.31	25.73	ARDC3	atrich interactive domain containing 3	chr19	protein_coding
ENSG0000008018.16	1.34114429	3.2227799	9.44E-06	4.61E-05	0.3	0.28	0.1	0.95	MYCBP2	MYC binding protein 2, E3 ubiquitin protein ligase	chr13	protein_coding
ENSG0000018095.13	-8.007023	-0.9838217	7.69E-14	1.09E-12	0.4	0.26	0.1	0.0	MYPK15	myosin-activated protein kinase 15	chr8	protein_coding
ENSG0000027913.11	2.2314954	2.1835249	0.0002020	0.0076235	0.04	0.15	0.1	0.03	CTD-2035K2	CTD-2035K2	chr17	antisense
ENSG0000010422.11	-1.068958	5.4172639	0.0002486	0.0002498	9.75	8.6	6.01	5.64	BRF2	BRF2, RNA polymerase II transcription initiation factor 50 kDa subunit	chr8	protein_coding
ENSG0000010443.16	1.9033886	2.4008238	0.0002020	0.0076235	2.01	1.14	0.03	6.73	WFDCC2	WAF four-disulfide core domain 2	chr20	protein_coding
ENSG0000026895.11	1.1188767	2.9307039	0.0002913	0.0009397	3.05	3.25	9.57	8.64	AAA-RAB49B	AAA-RAB49B subfamily A domain containing 1	chr19	protein_coding
ENSG0000026897.5	-1.6895367	6.5307003	7.78E-09	6.05E-08	89.66	83.13	36.95	29.92	CARM1	cardanil-RNA structure domain containing 1	chr17	protein_coding
ENSG0000027827.1	9.24136049	0.13654077	9.98E-24	3.10E-22	0.0	0.0	0.0	0.0	HST1H3C	histone cluster 1, H3c	chr16	protein_coding
ENSG0000042453.10	-1.2275507	7.7492895	2.13E-05	9.00E-05	55.93	55.06	34.09	34.38	AARS1D	alanine-RNA synthetase domain containing 1	chr17	protein_coding
ENSG0000010394.11	2.6954931	3.9398012	1.09E-17	2.19E-16	1.45	1.87	13.79	14.83	HOMER2	homer scaffolding protein 2	chr15	protein_coding
ENSG0000026899.14	2.98697962	2.9341073	3.40E-18	7.10E-17	0.33	0.16	0.42	5.62	PPP1R21	protein phosphatase 1, regulatory subunit 21	chr12	protein_coding
ENSG0000016157.10	-2.9711692	4.9089821	1.75E-21	4.02E-20	31.97	28.8	33.53	4.59	HCC22	paired related homeobox 22	chr5	protein_coding
ENSG0000013800.13	-2.4819437	5.2909012	3.06E-16	5.45E-15	9.01	8.64	2.08	2.13	FT172	intraflagellar transport 172	chr10	protein_coding
ENSG0000019823.10	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	CCOR1	coiled-coil nuclear receptor corepressor	chr10	protein_coding
ENSG0000023871.1	1.6047608	1.59147586	1.99E-06	1.09E-05	2.64	2.15	2.88	10.62	DLGS-AS1	DLGS antisense RNA 1	chr10	antisense
ENSG00000180279.5	-5.2109276	-0.3436387	0.0038165	0.0148851	0.06	0.18	0.0	0.0	MGC45922	...	chr19	lincRNA
ENSG0000020563.12	4.9781749	-0.9876929	0.0188997	0.045657	0.0	0.02	0.0	0.03	CTD-1029	coiled-coil finger CCHC-type containing 12B	chr17	protein_coding
ENSG0000020521.23	3.7784495	-1.5015709	3.56E-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
ENSG0000017991.4	-1.1051155	8.34574235	0.0001894	0.0004764	313.7	265.93	191.78	166.55	CV1	cytochrome c-1	chr19	protein_coding
ENSG0000015492.13	1.4310745	4.1514548	3.31E-15	5.5E-15	1.1	0.17	0.27	0.27	RNF144A	ring finger protein 144A	chr12	protein_coding
ENSG0000017119.14	1.0465892	3.7022266	0.0004191	0.0014875	0.98	1.1	2.47	0.01	AN06	andostanin 6	chr18	protein_coding
ENSG0000026896.13	3.5552036	2.9341073	3.56E-28	1.50E-26	0.62	0.65	0.65	0.65	ARHGEP5	Rho guanine nucleotide exchange factor (GEF) 5	chr17	protein_coding
ENSG0000013930.11	1.5014581	8.0823364	2.50E-47	1.48E-46	356.81	304.94	151.89	159.94	PSM17	prostate-specific membrane protein, beta type, 7	chr17	protein_coding
ENSG00000170163.11	3.0148803	5.2097363	4.93E-22	1.23E-20	2.93	3.5	30.23	39.18	FUCA1	fucosylidase alpha-1, 1-tissue	chr1	protein_coding
ENSG00000209817.7	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	MSR5	methionine S-adenosylmethionine transferase 5	chr19	protein_coding
ENSG0000016415.15	1.5223016	4.4140389	2.81E-07	1.76E-06	1.1	0.88	3.56	4.05	LMTK2	leucine tyrosine kinase 2	chr7	protein_coding
ENSG0000024122.2	4.8698188	1.4271718	2.82E-42	2.43E-40	0.4	0.4	0.4	0.4	UGT1A7	UDP glucuronosyltransferase 1 family, polypeptide A7	chr2	protein_coding
ENSG0000028319.15	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	PTX2	platelet-derived growth factor receptor tyrosine kinase 2	chr12	protein_coding
ENSG0000018258.8	3.8262103	0.0448184	1.72E-13	2.34E-12	0.07	0.05	0.61	1.7	EPGN	epithelial integrin	chr4	protein_coding
ENSG0000053501.11	-2.2477877	6.5373192	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
ENSG0000016822.7	1.1491789	4.9089821	7.81E-09	2.94E-08	0.14	0.12	0.14	0.18	SCC2	scrofulin 2	chr19	protein_coding
ENSG0000020219.1	1.3804871	3.9961150	3.53E-06	1.87E-05	16.48	26.71	11.018	37.6	RNF5K	RNA 7SK small nuclear	chr6	misc RNA
ENSG0000043318.11	5.6761718	-2.6082392	0.0004781	0.0016191	0.1	0.08	0.12	0.12	CASQ1	calcium-binding protein 1 (fast-twitch, skeletal muscle)	chr1	protein_coding
ENSG0000017425.12	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	MUC12	Mucopolysaccharide 12	chr1	protein_coding
ENSG0000012983.10	1.9955462	2.2399308	7.19E-10	6.37E-09	0.39	0.34	0.34	2.14	MAP4K5	mitogen-activated protein kinase kinase kinase 5	chr16	protein_coding
ENSG0000029984.16	-1.450662	5.6761718	0.0002020	0.0076235	26.19	24.27	18.23	17.77	PAM	patatin	chr17	protein_coding
ENSG0000026178.1	2.4765608	-2.4103398	0.0073015	0.0197584	0.14	0.0	0.86	0.26	RP11-252K2.2	RP11-252K2.2	chr16	antisense
ENSG0000020379.7	-1.0026652	-0.3758787	0.0189011	0.0431966	0.3	0.27	0.11	0.27	YFZ	YYZ transcription factor	chr1	protein_coding
ENSG0000016328.10	1.2898901	2.9307039	0.0002020	0.0076235	0.43	0.43	0.43	0.43	IRRC56	inhibitor of repeat containing 56	chr1	protein_coding
ENSG0000010274.13	-1.0198704	2.5470277	0.009147	0.0030221	4.32	3.77	3.01	2.3	SLC25A15	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	chr13	protein_coding
ENSG0000018796.13	2.2605402	-1.401581	0.0003078	0.0011156	0.0	0.07	0.21	0.21	ZNF38C	zinc finger protein 38C	chr17	protein_coding
ENSG000001396.11	2.2898901	-0.2792	0.0002020	0.0076235	0.1	0.1	0.1	0.1	CTD-201K1	CTD-201K1	chr10	antisense
ENSG0000018904.10	6.7442098	2.5470277	3.16E-45	3.31E-43	0.05	0.03	5.63	5.21	LINC00089	long intergenic non-protein coding RNA 839	chr17	antisense
ENSG0000013026.14	-2.1747019	7.6914448	2.29E-13	3.00E-12	80.95	97.1	23.59	29.64	DKC2	dishevelled-associated protein 1, dyxin1	chr1	protein_coding
ENSG0000024537.1	4.4917447	-2.740718	0.0002020	0.0076235	838.49	806.1	533.9	510.04	EDF1	endothelial differentiation-related factor 1	chr11	protein_coding
ENSG0000017223.11	-1.0664197	9.3138185	0.0002020	0.0076235	0.1	0.07	0.47	0.32	EDF2	endothelial differentiation-related factor 2	chr11	protein_coding
ENSG0000010374.14	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	KB-68A7.1	KB-68A7.1	chr21	antisense
ENSG0000027422.1	-5.2019102	-0.3548422	0.0053815	0.0148851	0.17	0.18	0.0	0.02	IG13	immunoglobulin kappa constant 13	chr1	protein_coding
ENSG0000018481.7	-3.463989	-2.1134182	0.0001674	0.0006243	0.1	0.07	0.02	0.0	IG13	immunoglobulin kappa constant 13	chr1	protein_coding
ENSG0000012970.14	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	ITB3	integrin-binding protein 3	chr6	protein_coding
ENSG0000040317.14	1.3422459	5.7329528	3.98E-06	2.08E-05	4.74	5.69	13.8	21.62	PSMA4	prosome (prosome, macroprotein) subunit, alpha type, 4	chr15	protein_coding
ENSG0000020431.9	-2.184801	1.2227293	2.13E-10	2.04E-09	2.09	1.67	0.62	0.52	PRRT1	proline-rich transmembrane protein 1	chr6	protein_coding
ENSG0000013740.9	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	CTF5	coiled-coil domain containing 5, p130-binding	chr1	protein_coding
ENSG0000026974.1	2.22511902	1.213794	1.30E-09	1.11E-08	0.52	0.3	0.35	2.82	RP11-8170A.1	RP11-8170A.1	chr15	lincRNA
ENSG0000016693.14	4.1181636	1.6436738	5.98E-24	1.91E-22	0.01	0.03	0.39	0.46	MYO9A	myosin IXA	chr15	protein_coding
ENSG0000013453.9	1.0234956	5.20131879	0.0001472	4.62E-05	3.2	3.81	1.81	1.24	CTD-1029	coiled-coil finger CCHC-type containing 12B (gene/pseudogene)	chr17	antisense
ENSG0000015926.12	-1.730496	-1.837013	1.01E-06	5.80E-06	0.06	0.15	0.01	0.0	SLA	SLA	chr8	protein_coding
ENSG0000016131.15	-1.1180109	1.8777536	0.0004841	0.0016991	1.3	0.96	0.81	0.8	CCDC103	coiled-coil domain containing 103	chr17	protein_coding
ENSG0000017898.8	6.4343959	2.9341073	3.31E-15	5.5E-15	1.29	1.39	1.29	0.87	TNFRSF15	tumor necrosis factor receptor superfamily, member 25	chr1	protein_coding
ENSG0000019684.2	2.1465329	4.7458924	7.									

ENSG000001917129	-12854239	38041332	3496.73	1676.70	13.76	11.33	0	0	MAGE6A	melanoma antigen family 6A	chrX
ENSG00000181945	071266175	666175	1.86E-13	1.86E-13	0.38	0.25	1.53	0	G protein-coupled receptor 173	chrX	
ENSG000001381605	240274532	26071897	1.86E-13	2.52E-12	0.38	0.25	1.53	296	KIF11	kinesin family member 11	chr10
ENSG00000277641	164192656	-0.004171	0.0001764	0.00046621	1.36	1.23	3.71	7.1	RP11-318E3	--	chr10
ENSG00000245810	1898919	2793532	9.47E-07	5.53E-06	52.9	51.5	0.22	0.22	ZNF43	zinc finger protein 45	chr10
ENSG000001642412	124283011	10048538	0.0001571	0.0005871	0.17	0.1	0.41	0.5	C5orf63	chromosome 5 open reading frame 63	chr10
ENSG00000169624	15989925	02177249	0.0003202	0.00051325	0.11	0.15	0.47	0.55	TAS1R3	taste receptor, type 1, member 3	chr10
ENSG00000198929	15989925	02177249	0.0003202	0.00051325	0.11	0.15	0.47	0.55	TAS1R3	taste receptor, type 1, member 3	chr10
ENSG000000851715	-6.8940438	63031797	2.74E-17	1.28E-09	67.61	57.23	0.82	0.82	LOC101928434	autocatalyzed RNA	chr10
ENSG000002799781	186676151	48347207	3.87E-10	3.59E-09	0.04	0.04	0.2	0.2	chr2-238-28	--	chr22
ENSG000002296011	186676151	48347207	3.87E-10	3.59E-09	0.04	0.04	0.2	0.2	chr2-238-28	--	chr22
ENSG000001483015	-1.755152	11023011	1.85E-09	1.56E-08	3117.06	2754.53	1167.26	1151.04	RP11A	TfAP2A antisense RNA 1	chr9
ENSG000002282711	-1.183349	04103268	3.74E-14	4.44E-13	0.26	0.53	0.04	0.08	RP11-276H1	interleukin 32	chr9
ENSG0000021459510	23732142	-0.01025	1.22E-07	8.08E-07	0.04	0.02	0.12	0.27	EM16	echinoderm microtubule associated protein like 6	chr2
ENSG000002549537	-1.026381	45669603	0.00043208	0.00152996	16	17.3	11.28	1047	PNK1L	PNK2/TERF1-interacting associated protein 1	chr8
ENSG000001321271	-1.223788	70915466	0.0029723	0.00893293	1.74	1.33	1.35	0.11	AC0167005	--	chr2
ENSG000001633475	-2.3570192	13941669	1.52E-11	1.67E-10	0.83	1.21	0.58	0.37	CLDN11	claudin 11	chr3
ENSG000001763818	24067399	06396251	1.36E-09	1.16E-08	0.09	0.07	0.58	0.55	B3GNT4	UDP-GlcNAc6S-Gal beta-1-3-N-acetylglucosaminyltransferase 4	chr12
ENSG000001981711	515654738	-0.178464	3.91E-12	4.98E-11	0	0	0.15	0.18	FAM1179B	family with sequence similarity 179, member 8	chr14
ENSG000002437255	-1.037749	03277798	0.0068257	0.01870545	0.57	0.53	0.37	0.34	TTC4	tetrahydropteridate reduct domain 4	chr1
ENSG00000166498	-1.571969	14924056	8.58E-08	5.80E-07	107.8	173.06	83.6	7167	SRM	serine-rich matrix protein	chr1
ENSG000001699411	33189898	-0.392729	1.04E-09	9.06E-09	0.03	0.01	0.21	0.34	RCN1	reticulon 1	chr15
ENSG0000012884910	-4.259946	04729403	6.64E-20	1.99E-18	0.22	0.37	0	0	CGNL1	cingulin-like 1	chr15
ENSG0000012181816	-1.149630	8462757	6.40E-05	0.0026805	156.1	186.05	10.49	102.43	LOC101928434	manichromosome maintenance complex component 3	chr6
ENSG000001746213	-1.149630	8462757	6.40E-05	0.0026805	156.1	186.05	10.49	102.43	LOC101928434	manichromosome maintenance complex component 3	chr6
ENSG000002346781	-8.9541236	-0.0746533	6.39E-22	1.78E-20	1.39	147	0	0	RP11-465N4	--	chr10
ENSG000002349866	-4.8937477	31032568	4.68E-19	3.42E-37	3.14	2.96	0.13	0.1	ZNF1-AS1	ZNF1 antisense RNA 1	chr10
ENSG00000165067	-0.0782298	-1.7605703	1.18E-08	8.76E-08	0.14	0.15	0	0	DRGX	dorsal root axonin homeobox	chr10
ENSG000002053629	-8.174869	13728289	4.22E-38	2.89E-36	12.03	7.32	0	0.07	MT1A	metallothionein 1A	chr16
ENSG000000992112	-1.612721	8100022	0.0001059	0.0004939	91.53	103.44	57.54	83.94	PABPC2	poly(A) binding protein, cytoplasmic 2 (inducible form)	chr16
ENSG0000014560414	124102787	47375894	2.22E-05	0.00010109	3.55	3.12	8.36	12.76	SKP2	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase	chr16
ENSG000002651211	6.04467832	-2.3668018	4.74E-05	0.0020301	0	0	0.48	0.41	RP11-285E9	--	chr17
ENSG000002492214	1.1141618	7058373	0.0001953	0.0004973	67.19	59	39.15	35.3	HMGCL3	histone H4 acetylase	chr17
ENSG000002307534	2.0655688	-1.9731797	0.0098683	0.0249748	0.04	0.12	0.55	0.39	ZNF341-AS1	ZNF341 antisense RNA 1	chr20
ENSG000001931313	-4.78387	5.6695565	1.83E-13	7.52E-13	16.8	17.51	0.95	0.81	C12orf117	C12 and tumor necrosis factor related protein 1	chr17
ENSG000001714810	1.2590313	1943153	2.31E-05	0.0001049	2.67	3.98	0.18	1.6	ARMC9	arrestin domain containing protein, member b	chr17
ENSG000001124855	-4.184397	0.0555136	1.78E-17	3.51E-16	0.41	0.53	0.06	0.01	PCDH15	protocadherin beta 15	chr5
ENSG000002549833	4.184397	0.0555136	1.78E-17	3.51E-16	0.41	0.53	0.06	0.01	PCDH15	protocadherin beta 15	chr5
ENSG000002059843	-1.984874	16335704	3.70E-09	3.01E-08	1.39	1.19	0.44	0.43	PLEKH44	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	chr14
ENSG000002059843	-1.984874	16335704	3.70E-09	3.01E-08	1.39	1.19	0.44	0.43	PLEKH44	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	chr14
ENSG000002105510	2.69320711	-1.086678	7.10E-06	3.54E-05	0.05	0.03	0.22	0.35	ADM-AS1	ADM antisense RNA 1 (head to head)	chr12
ENSG000002732211	-1.048499	1000000	0.0001059	0.0004939	91.53	103.44	57.54	83.94	PABPC2	poly(A) binding protein, cytoplasmic 2 (inducible form)	chr16
ENSG000001189716	1.0894719	3.8110335	0.0002479	0.0008926	2.14	2.48	0.4	0.41	SERINC1	serine incorporator 1	chr6
ENSG000002520345	4.0074754	-2.0228487	3.06E-05	0.00013563	0.03	0	0.51	0.39	C18orf81	chromosome 18 open reading frame 81	chr19
ENSG000001646429	3.934261	7.9184266	8.87E-25	5.64E-05	40.2	386.74	224.4	23.63	PRKAD17	ribosomal protein L30	chr19
ENSG000001759110	-4.746248	2.9045602	5.73E-37	3.67E-35	4.52	3.67	0.12	0.28	PRY2	curcumin receptor P2Y, G-protein coupled 2	chr11
ENSG00000232647	-1.4866764	0.2504153	0.0001986	0.00074743	0.36	0.5	0.15	0.25	TNPOCS	threonine domain containing 5 (endoplasmic reticulum)	chr11
ENSG0000016540415	1.814749	2.98E-05	6.87E-26	2.98E-05	0.69	0.97	0.46	0.17	SPLO4	SP140 nuclear body protein 4	chr11
ENSG0000017087137	1.0772455	2.1898464	0.0006239	0.0022642	0.39	0.47	0.56	1.44	MST5L	metastasis suppressor 1	chr11
ENSG000002189711	4.8974895	-1.844011	2.48E-07	1.57E-06	0.01	0	0	0	RP11-970J2	--	chr15
ENSG000001073111	-3.3682502	7.9498086	2.95E-27	1.19E-25	29.11	24.5	3.03	3.33	ER3	immediate early response 3	chr15
ENSG000001652446	2.19966214	1.66071157	2.26E-10	2.13E-09	0.21	0.28	1.02	1.96	ZNF367	zinc finger protein 367	chr15
ENSG000002329677	-1.8254489	1.86071157	1.95E-09	1.46E-07	0.21	0.28	1.02	1.96	ZNF367	zinc finger protein 367	chr15
ENSG000001984314	-1.3289008	2.7832416	1.50E-05	7.08E-05	2.72	2.33	1.3	1.39	ARID5A	AT rich interactive domain protein 5 (MRF1-like)	chr9
ENSG0000010123815	1.4904777	4.8329216	4.04E-07	2.48E-06	1.55	1.62	5.92	5.87	RNF24	ring finger protein 24	chr20
ENSG0000013426111	1.0452893	1.81981198	0.0001059	0.0004939	91.53	103.44	57.54	83.94	PABPC2	poly(A) binding protein, cytoplasmic 2 (inducible form)	chr16
ENSG0000007284011	-1.1668473	2.6164548	1.05E-25	2.11E-23	1.32	1.67	0	0	EVC	Els van Creveld protein	chr4
ENSG00000198147	2.3097454	3.385728	1.77E-13	2.40E-12	0.26	0.3	1.72	2.2	ARHGFB2	Rho guanine nucleotide exchange factor (GEF) 12	chr11
ENSG000001631139	4.40452	0.8487222	2.22E-12	4.13E-15	0.07	0.1	0.62	0.40	CTSD	cathepsin D	chr11
ENSG000001815983	3.0206418	-2.661509	0.0094384	0.02469931	0.07	0.12	0.62	0.27	HMG23D	histone cluster 2, H3d	chr1
ENSG000001431315	1.244835	1.86071157	1.95E-09	1.46E-07	0.21	0.28	1.02	1.96	ZNF367	zinc finger protein 367	chr15
ENSG000001536311	1.4828305	1.5205898	1.10E-05	5.31E-05	0.37	0.31	0.75	1.78	UNC00467	long interspersed non-coding RNA 467	chr9
ENSG0000013138616	-6.2014387	2.3656728	8.29E-44	7.88E-42	1.83	1.55	0.01	0.04	GALNT15	polypeptide N-acetylglucosaminyltransferase 15	chr3
ENSG0000018425415	2.244013	1.86071157	1.95E-09	1.46E-07	0.21	0.28	1.02	1.96	ZNF367	zinc finger protein 367	chr15
ENSG000001389710	2.0079782	3.6397705	6.18E-11	6.31E-10	0.26	0.46	1.54	2.32	SNB10	strawberry notch homolog 1 (Drosophila)	chr12
ENSG000002561961	-4.80998	-3.210240	0.0088873	0.04191657	0.09	0.1	0	0	RP11-881M1	--	chr11
ENSG000002549113	3.440308	6.800000	1.13E-13	7.25E-24	119.8	86.69	119.8	86.69	PCP4	small Cajal body-specific RNA 9	chr11
ENSG0000017392015	-3.9541121	3.72992015	1.36E-31	6.73E-30	2.87	3.78	0.22	0.35	TP2	right junction protein 2	chr11
ENSG000001013108	-1.947295	1.5781902	3.60E-06	1.90E-05	13.39	11.38	0.71	6.22	NCS1	neuronal cytoskeleton sensor 1	chr11
ENSG0000012087515	-1.8654861	1.9121319	6.87E-26	6.98E-08	0.64	0.6	0	0	DNAC1C15	DNAH1 (RpoD) homolog, subfamily C, member 15	chr10
ENSG0000018429212	-1.5258346	6.1328852	1.60E-07	8.24E-06	31.14	29.35	14.17	13.81	FMN1L	formin-like 1	chr11
ENSG00000254914	1.4076146	1.7020129	1.79E-06	1.00E-05	2.67	2.06	6.92	7.52	HMC-AS1	HMC cluster antisense RNA 1	chr17
ENSG000001631139	4.40452	0.8487222	2.22E-12	4.13E-15	0.07	0.1	0.62	0.40	CTSD	cathepsin D	chr11
ENSG0000010123815	1.4828305	1.5205898	1.10E-05	5.31E-05	0.37	0.31	0.75	1.78	UNC00467	long interspersed non-coding RNA 467	chr9
ENSG0000013138616	-6.2014387	2.3656728	8.29E-44	7.88E-42	1.83	1.55	0.01	0.04	GALNT15	polypeptide N-acetylglucosaminyltransferase 15	chr3
ENSG0000018425415	2.244013	1.86071157	1.95E-09	1.46E-07	0.21	0.28	1.02	1.96	ZNF367	zinc finger protein 367	chr15
ENSG000001389710	2.0079782	3.6397705	6.18E-11	6.31E-10	0.26	0.46	1.54	2.32	SNB10	strawberry notch homolog 1 (Drosophila)	chr12
ENSG000002561961	-4.80998	-3.210240	0.0088873	0.04191657	0.09	0.1	0	0	RP11-881M1	--	chr11

ENSG00000164342.11	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0	0	0.022	0.12	TLR3	tol-like receptor 3	chr4	protein_coding
ENSG00000164118.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	176.11	114.6	59.74	0.12	NDK6G1	N-myristoyl domain regulated 1	chr4	protein_coding
ENSG00000133673.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.1	0.16	0.71	1.42	ATP13A3	ATPase type 13A3	chr4	protein_coding
ENSG0000018575.7	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.01	0.06	0.32	0.02	KNXP3	neurexin 3	chr17	protein_coding
ENSG0000016338.13	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.4	0.1	0.14	1.84	ZNF761	zinc finger protein 761	chr17	protein_coding
ENSG0000026908.1	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.59	11.5	0.07	0.59	11.5	RP11-256C3 --	chr17	antisense
ENSG0000017227.6	6.7788562	-1.8188276	2.248	0.7	1.42E-06	5.29	4.93	0.42	0.25	TMEM37	transmembrane protein 37	chr2	protein_coding
ENSG0000016494.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.02	0.02	0.02	0.02	FNDC13	fibrinogen beta III domain containing 1	chr6	protein_coding
ENSG0000007618.8	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.01	0.02	0.17	0.53	GPC4	glypican 4	chr4	protein_coding
ENSG0000019251.6	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.14	0.07	0.15	0.15	ACTC1	actin, alpha, cardiac muscle 1	chr15	protein_coding
ENSG0000013546.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.14	0.07	0.15	0.15	FAM129A	family with sequence similarity 129, member A	chr15	protein_coding
ENSG0000026186.4	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.026	0.06	0.026	0.026	RP11-671A1 --	chr8	antisense	
ENSG0000013266.13	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.35	0.40	0.35	0.40	myosin IG	myosin IG	chr17	crossed_transcript
ENSG0000012811.13	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.05	0.08	0.77	1.25	ERBB2P	erbB2 interacting protein	chr11	protein_coding
ENSG0000026508.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	64.96	69.44	14.22	17.3	CD44	CD44 molecule (Indian blood group)	chr11	protein_coding
ENSG0000017245.12	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.13	0.21	0.94	1.02	STARTD5	START-related nucleolar transfer (START) domain containing 5	chr15	protein_coding
ENSG0000019599.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	4.33	3.69	2.25	2.43	DCAF4	DDI1 and CUL4 associated factor	chr15	protein_coding
ENSG0000018549.11	6.7788562	-1.8188276	2.248	0.7	1.42E-06	12.72	15.57	8.74	8.6	CLISF52	chromosome 15 open reading frame 52	chr15	protein_coding
ENSG0000016461.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.12	0.17	1.09	1.09	SP9	Sp3 transcription factor 2	chr7	protein_coding
ENSG0000010207.8	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.34	0.49	0.1	0.11	KCNDD1	cotaxium channel, voltage gated Shal related subfamily D, member 1	chr4	protein_coding
ENSG0000019859.9	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.27	0.26	0.74	0.93	LRBA	LP5-responsive vesicle trafficking, beaded and anchor containing	chr4	protein_coding
ENSG0000014759.4	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.02	0.02	0.05	0.05	EVX2	even-skipped homolog 2	chr2	protein_coding
ENSG00000204528.3	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.18	0.19	0.92	0.55	PSORS1C3	psoriasis susceptibility 1 candidate 3 (non-protein coding)	chr7	sense_intronic
ENSG0000019636.7	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.15	0.12	0.27	0.14	KCNH9	mediator complex subunit 17	chr1	protein_coding
ENSG0000014429.9	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.17	0.17	0.24	0.24	MDI17	translocase of inner mitochondrial membrane 17 homolog B (yeast)	chr1	protein_coding
ENSG0000026768.11	6.7788562	-1.8188276	2.248	0.7	1.42E-06	46.56	46.94	34.01	22.53	TMM17B	translocase of inner mitochondrial membrane 17 homolog B (yeast)	chr1	protein_coding
ENSG0000018539.9	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.33	0.41	0.2	1.53	KRHL1	astri (absent, small, or homeotic)-like (Drosophila)	chr12	protein_coding
ENSG0000025223.4	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.03	0.02	0.26	0.51	ZNF10	zinc finger protein 10	chr12	protein_coding
ENSG0000015680.14	6.7788562	-1.8188276	2.248	0.7	1.42E-06	22.82	24.06	9.86	10.28	FRRS	fibronin	chr16	protein_coding
ENSG0000018347.11	6.7788562	-1.8188276	2.248	0.7	1.42E-06	21.57	18.63	5.94	5.93	TRO2	thrice prime repair exonuclease 2	chr16	protein_coding
ENSG0000013895.9	6.7788562	-1.8188276	2.248	0.7	1.42E-06	3.05	2.26	0.26	0.02	ANGPT12	angiopoietin-like 2	chr9	protein_coding
ENSG0000012814.5	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0	0	0.17	4.07	HXC0D3	homeobox D13	chr16	protein_coding
ENSG0000018607.14	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.18	0.06	0.42	3.23	DCY2C	developmental control protein 2	chr10	protein_coding
ENSG0000015610.14	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.18	0.06	0.42	0.3	FAM124A	family with sequence similarity 124A	chr13	protein_coding
ENSG0000017539.12	6.7788562	-1.8188276	2.248	0.7	1.42E-06	8.99	10.02	23.25	33.11	FAH1	acyl-CoA acyltransferase 1	chr11	protein_coding
ENSG0000015259.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.33	0.06	0.02	0.02	SH2OC	SH2 domain containing 6	chr11	protein_coding
ENSG0000017892.5	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.07	0	0.17	0.46	KHLH11	kelch-like family member 11	chr17	protein_coding
ENSG0000018593.13	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.23	0.12	0.23	0.12	MRPS24	mitochondrial ribosomal protein S24	chr12	protein_coding
ENSG0000013541.19	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.11	0.03	0.32	0.32	AHL1	Abelson helper integration site 1	chr12	protein_coding
ENSG0000011530.11	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.25	0.29	0.74	1.15	CAND1	cutlin-associated and neddylation-associated 1	chr16	protein_coding
ENSG0000026645.11	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.04	0.04	0.04	0.04	COLGAS5	colony-stimulating factor 1	chr12	protein_coding
ENSG0000014942.12	6.7788562	-1.8188276	2.248	0.7	1.42E-06	744.03	322.5	394.52	EF1B2	eukaryotic translation elongation factor 1 beta 2	chr2	protein_coding	
ENSG0000018820.4	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.32	0.21	0.21	0	GIBS1	gap junction protein, beta 5, 31.1kDa	chr1	protein_coding
ENSG0000014724.9	6.7788562	-1.8188276	2.248	0.7	1.42E-06	24.18	24.18	39.89	21.7	PRPS1	phosphoribosyl pyrophosphate synthetase 1	chr1	protein_coding
ENSG0000013567.10	6.7788562	-1.8188276	2.248	0.7	1.42E-06	1.5	1.86	3.91	5.65	CNP	cardioventricular neuropeptide	chr12	protein_coding
ENSG0000016291.9	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.16	0.19	0.68	0.78	YW5	RNA-VW synthesizing protein 5	chr12	protein_coding
ENSG0000014546.16	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.19	0.16	0.21	0.21	SCRS2B	SR-related CTD-associated factor 2, group F, member B	chr12	protein_coding
ENSG00000164778.4	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.07	0.08	0.37	0.41	EN2	engrailed homolog 2	chr7	protein_coding
ENSG0000013334.13	6.7788562	-1.8188276	2.248	0.7	1.42E-06	6.75	6.75	23.83	23.83	SCAF4	SR-related CTD-associated factor 4	chr12	protein_coding
ENSG0000011196.8	6.7788562	-1.8188276	2.248	0.7	1.42E-06	2.85	4.58	1.58	2.46	MAGOH8	mago-nash homolog B (Drosophila)	chr12	protein_coding
ENSG0000015525.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.38	0.61	0.21	0.35	STGALS1	ST3 beta-galactosidase alpha-2,3-sulfolactosyltransferase 1	chr12	protein_coding
ENSG0000017211.9	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.45	0.67	1.42	0.49	TEF4	transcription elongation factor, mitochondrial	chr17	protein_coding
ENSG00000271425.5	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.12	0.1	0.07	0.07	NBRP10	neurofilament breakpoint protein, member 10	chr1	protein_coding
ENSG0000013403.12	6.7788562	-1.8188276	2.248	0.7	1.42E-06	9.79	7.72	2.29	1.94	CFIF	CBP90/20-dependent translation initiation factor	chr18	protein_coding
ENSG0000014635.12	6.7788562	-1.8188276	2.248	0.7	1.42E-06	17.0	11.7	5.74	6.23	GNAI2	guanine nucleotide binding protein (G protein) alpha 12	chr1	protein_coding
ENSG0000003750.11	6.7788562	-1.8188276	2.248	0.7	1.42E-06	1.6	1.61	4.03	1.5	RRA6B	Ras-related GTP binding B	chr18	protein_coding
ENSG0000012834.15	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.04	0.04	0.04	0.04	AP03BFC3	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F	chr22	protein_coding
ENSG0000014951.13	6.7788562	-1.8188276	2.248	0.7	1.42E-06	1.07	1.07	1.07	1.07	RUT1	ribonucleotide reductase 1, Hs	chr1	protein_coding
ENSG0000010671.14	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0	0	0.24	0.04	BITK	Brucean agamagallibiosamine tyrosine kinase	chr6	protein_coding
ENSG0000012993.13	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.04	0.04	0.04	0.04	PRSS22	proteinase 22	chr2	protein_coding
ENSG0000016739.4	6.7788562	-1.8188276	2.248	0.7	1.42E-06	48.86	45.36	0.91	0.72	DCX1L	chemokine (C-X-C motif) ligand 1 metastoma growth stimulatory activator, alpha	chr19	protein_coding
ENSG0000010245.8	6.7788562	-1.8188276	2.248	0.7	1.42E-06	24.8	22.96	11.13	14.69	NUMBL	numb homolog (Drosophila)-like 1	chr19	protein_coding
ENSG0000017657.7	6.7788562	-1.8188276	2.248	0.7	1.42E-06	2.7	2.7	7.8	7.8	TRAF3	transmembrane receptor-associated factor 3	chr1	protein_coding
ENSG0000018585.18	6.7788562	-1.8188276	2.248	0.7	1.42E-06	1.86	1.827	1.18	1.78	OLFML2A	olfactomedian-like 2A	chr19	protein_coding
ENSG0000010331.10	6.7788562	-1.8188276	2.248	0.7	1.42E-06	1.66	1.89	0.12	0.01	MEFV	Mediterranean fever	chr16	protein_coding
ENSG0000012478.10	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.69	0.69	0.69	0.69	FAS3D3	Fas3 domain containing 3	chr16	protein_coding
ENSG00000261189.4	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.06	0.32	0.41	3.56	RP11-532F1 --	chr15	antisense	
ENSG0000011517.5	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.02	0.03	0.02	0.01	XOac-BPFG1 --	chr15	antisense	
ENSG0000013787.4	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0	0	1.26	1.59	BLZL10	BC12-like 10 (apoptosis facilitator)	chr15	protein_coding
ENSG0000027968.11	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0	0	0.15	0.15	RP11-653A23 --	chr15	TEC	
ENSG0000010361.10	6.7788562	-1.8188276	2.248	0.7	1.42E-06	3.92	4.05	10.19	12.7	SRP22	solute carrier family 7, member 6 opposite strand	chr16	protein_coding
ENSG00000170153.9	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.19	0.17	0.09	0.05	RNF150	ring finger protein 150	chr4	protein_coding
ENSG0000010314.3	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.12	0.11	0.12	0.12	CABP7	calmodulin-binding protein 7	chr12	protein_coding
ENSG0000026630.5	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.13	0.29	0.86	0.92	SNAG-A51	SNAG antisense RNA 1	chr16	antisense
ENSG0000016323.17	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.17	0.06	0.41	0.53	ADAMT513	ADAM metalloproteinase with thrombospondin type 1 motif, 13	chr9	protein_coding
ENSG0000018346.3	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0.05	0.05	0.05	0.05	CLC3	chloride channel, cell surface	chr6	protein_coding
ENSG0000012782.14	6.7788562	-1.8188276	2.248	0.7	1.42E-06	0	0.02	0.04	0.08	CUC5	chloride intracellular channel 5	chr6	protein_coding
ENSG0000010360.13	6.7788562	-1.8188276	2.248	0.7	1.42E-06	5.56	4.19	2.08	2.02	F17F	intraflagellar transport 27	chr22	protein_coding
ENSG0000026933.4	6.7788562	-1.8188276	2.248	0									

ENSG0000029065.1	-2.6125167	0.21631821	5.19E-10	4.71E-09	2.33	227	0.65	0.36	RP5-102120 --	chr14	antisense
ENSG0000038931.4	1.3194517	5.8456201	1.1E-08	5.45E-20	6.11	147	0.65	1.14	NOGIN	chr17	antisense
ENSG0000045681.1	-1.17375918	3.44781184	1.18E-08	8.90E-08	1.61	147	0.65	0.58	SSBP2	chr17	protein_coding
ENSG00000278989.1	2.2389866	1.70831039	9.56E-11	9.61E-10	1.01	103	7.2	5.65	CITF22-49E9 --	chr22	lincRNA
ENSG00000276218.1	2.2692022	1.42421613	2.6E-08	1.42E-07	47.2	64	11.2	178	OSBP5	chr15	protein_coding
ENSG00000271637.0	6.32244873	-2.1673809	8.95E-06	4.38E-05	0	0	0.08	0.1	RP3-368A4.6 --	chrX	sense_intronic
ENSG00000194957.12	1.38315858	2.05027513	1.65E-05	7.67E-05	0.65	0.62	2.02	2.41	ZNF18	chr17	protein_coding
ENSG00000137146.4	1.24142917	8.9492175	1.10E-13	1.00E-13	1.21	1.22	0.65	5.85	ALDH1B1	chr17	protein_coding
ENSG00000261594.3	3.17479471	0.07688303	1.63E-16	2.97E-15	0.06	0.06	1.28	0.87	TBPGL	chr17	protein_coding
ENSG00000141077	2.5885262	1.76717416	2.15E-13	2.88E-12	0.42	0.23	0.06	2.69	EPG2	chr10	protein_coding
ENSG0000021765.6	1.5326901	1.3326901	1.30E-07	3.07E-07	1.30	0.7	5.7	5.71	FABP9	chr3	protein_coding
ENSG00000220333.1	2.17283277	1.71624449	2.21E-14	3.03E-13	0.42	0.21	2.59	3.05	LINC011214	chr2	lincRNA
ENSG0000016306.9	1.2018023	0.55869868	0.0333E-06	0.00000000	0.31	0.31	0.6	0.11	PIMPPO1	chr4	protein_coding
ENSG0000017403.9	5.6565858	-2.783992	0.0008564	0.0028128	0.01	0.01	0.0	0	SYNPO2	chr4	protein_coding
ENSG0000016348.15	-0.2020563	7.50941747	6.74E-12	7.72E-11	81.04	77.56	27.92	23.85	MPDH1	chr7	protein_coding
ENSG0000030114.14	6.7259249	1.0572877	2.49E-10	1.16E-20	0.02	0	1.26	1.32	CD1	chr13	protein_coding
ENSG0000026251.1	5.0406404	-2.9799228	0.0100445	0.02582742	0	0	0.03	0.18	RP11-96D15.1 --	chr16	sense_intronic
ENSG0000016626.12	3.7399004	1.62213116	1.76E-21	4.78E-20	0.05	0.05	0.53	1.35	GLU5	chr11	protein_coding
ENSG00000138999.4	-1.3529117	2.8892067	1.44E-05	6.83E-05	2.16	2.65	1.05	1.46	NCV	chr16	protein_coding
ENSG0000016987.10	-1.5343835	6.83887309	1.35E-07	8.90E-07	88.36	86.35	37.29	43.22	HINT1	chr5	protein_coding
ENSG00000125068.11	3.1066646	1.9327309	6.23E-18	1.66E-16	0.09	0.07	0.07	1.33	PTTID1	chr3	protein_coding
ENSG0000016293.6	1.8259598	7.2727035	2.68E-10	2.98E-39	9.43	9.0	25.84	23.87	SIXP2	chr1	protein_coding
ENSG00000170264.11	1.5748919	0.0567198	3.53E-05	0.00015336	0.1	0.1	0.5	0.67	FAM161A	chr2	protein_coding
ENSG00000214212	0.3820069	-0.1715994	2.77E-10	1.73E-06	0.04	0.26	1.47	0.5	C13orf38	chr19	protein_coding
ENSG0000014963.4	8.9024465	2.4325247	9.12E-50	5.26E-47	0.01	0.01	0.65	6.85	VLL1	chr19	protein_coding
ENSG00000164332.7	1.6956089	2.4296249	1.07E-07	7.18E-07	0.64	1.05	2.6	4.72	UBLCP1	chr5	protein_coding
ENSG00000209445.10	1.17370912	4.1375495	3.77E-09	3.07E-08	0.51	0.81	2.29	8.48	TYRO3	chr15	protein_coding
ENSG00000170368.16	-1.5073168	0.38734331	8.90E-05	0.00036946	0.13	0.09	0.06	0.40	INCB1	chr9	protein_coding
ENSG0000020944.3	5.6649976	-2.9167628	0.0008564	0.0028128	0	0	0.07	0.38	RP11-332M2	chr13	sense_intronic
ENSG00000131437.14	3.19531619	1.13664989	9.26E-16	1.58E-14	0.06	0.04	0.04	0.87	KIF3A	chr9	protein_coding
ENSG0000020910.1	5.7831448	-2.5411454	0.0002635	0.0009747	0	0	0.39	0.38	CTD-307401 --	chr11	lincRNA
ENSG00000131459.11	2.274617	3.4614013	3.05E-12	4.46E-13	19.35	18.13	1.22	5.3	GPT2	chr17	protein_coding
ENSG00000212315.12	1.17711416	0.70882343	0.0012078	0.0030302	0.5	0.42	1.4	1.39	CDC13B	chr9	protein_coding
ENSG0000014478.12	-2.3705185	4.7433639	6.23E-11	1.00E-13	6.63	6.63	1.64	1.81	IRG1	chr3	protein_coding
ENSG0000007684.10	1.4044026	0.4044026	7.54E-05	0.00311448	2.63	2.69	6.97	1.94	PAQO1	chr17	protein_coding
ENSG00000081203.11	-1.0488908	7.51466405	0.0002624	0.0009122	84.45	76.57	53.05	50.62	COASY	chr17	protein_coding
ENSG00000212942.9	1.4076222	0.6040404	0.0000000	0.0000000	0.03	0.03	0.12	0.44	OR22E2	chr17	protein_coding
ENSG00000139149.9	-1.9817137	-0.8265991	0.0002120	0.00047961	0.09	0.12	0.07	0.01	PRICKL1	chr12	protein_coding
ENSG00000210112.11	3.86810358	1.17551407	4.12E-20	9.98E-19	2.75	2.75	3.73	56.47	MT-TM	chr12	lincRNA
ENSG00000251578.11	1.4076222	0.6040404	0.0000000	0.0000000	0.6	0.6	0.4	0.7	RP11-211L3	chr11	sense_intronic
ENSG00000102024.16	1.3003604	4.1336024	1.12E-05	5.40E-05	2.26	2.26	5.1	9.94	PLS3	chr13	protein_coding
ENSG00000227543.2	1.69885071	-0.9650134	0.0016616	0.00519662	0.07	0.04	0.24	0.21	SPAG5-AS1	chr17	antisense
ENSG00000254936.4	-2.9560929	4.9645894	3.15E-15	5.71E-14	3.78	3.78	4.69	8.83	OR13D3	chr17	protein_coding
ENSG00000198265.10	2.9241757	2.4363787	9.86E-18	1.99E-16	0.04	0.1	0.59	0.87	HELZ	chr17	protein_coding
ENSG00000128590.4	2.55143016	0.79890118	7.51E-11	6.56E-10	0.16	0.13	0.14	1.19	DNABP9	chr7	protein_coding
ENSG00000101181.19	1.9249898	0.4044026	0.0001203	0.0001331	25.9	24.8	18.2	18.2	C2orf23	chr2	protein_coding
ENSG00000400427.14	-1.2176386	6.44809818	2.38E-05	0.0001077	441.06	373.76	245.11	221.41	GSTP1	chr11	protein_coding
ENSG00000271272.1	1.4076222	0.6040404	0.0000000	0.0000000	0.03	0.03	0.12	0.44	OR13D3	chr2	antisense
ENSG00000162936.15	2.83946394	-0.2080458	5.49E-09	4.97E-08	0.02	0.01	0.13	0.19	KCAL	chr12	protein_coding
ENSG00000179139.13	1.2104368	2.0731851	0.0001504	0.00059836	0.33	0.37	0.81	1.36	SPTXD1	chr11	protein_coding
ENSG00000145991.15	1.9249898	0.4044026	0.0001203	0.0001331	25.9	24.8	18.2	18.2	OR13D3	chr2	protein_coding
ENSG00000168086.18	1.0382661	3.49083653	0.0005862	0.0017434	1.73	2.1	4.27	6.25	CASP7	chr10	protein_coding
ENSG00000142046.13	1.6331839	1.2923236	1.65E-06	9.19E-06	0.43	0.25	1.4	1.47	TMEM91	chr19	protein_coding
ENSG00000210205.16	-1.3529117	2.8892067	1.44E-05	6.83E-05	2.16	2.65	1.05	1.46	NCV	chr16	protein_coding
ENSG0000018768.9	-6.1863178	-2.4412039	4.74E-05	0.0020301	0.09	0.03	0.0	0	APCD1L	chr20	protein_coding
ENSG00000163825.3	8.9502618	-0.2638111	1.46E-17	2.91E-16	0	0	0.99	1.26	KIF13	chr10	protein_coding
ENSG00000133525.4	1.6331839	1.2923236	1.65E-06	9.19E-06	0.43	0.25	1.4	1.47	TMEM91	chr19	protein_coding
ENSG0000019868.9	1.6558996	3.4038405	5.22E-08	3.63E-07	2.05	1.77	7.62	8.46	FUT11	chr10	protein_coding
ENSG00000214811.11	1.9249898	0.4044026	0.0001203	0.0001331	25.9	24.8	18.2	18.2	OR13D3	chr2	protein_coding
ENSG00000139898.10	-2.891668	8.0593203	2.43E-21	6.52E-20	45.29	45.06	7.99	8.21	SPIN2	chr19	protein_coding
ENSG00000197470.7	2.26623673	1.47295889	1.24E-10	1.23E-09	0.12	0.12	0.74	0.8	ZNF652	chr17	protein_coding
ENSG00000254142.2	1.1713776	6.89250637	9.12E-11	6.56E-10	0.07	0.25	0.0	0.0	RP11-53M11	chr17	lincRNA
ENSG00000183092.14	-1.7841769	4.44636084	2.33E-09	1.94E-08	4.8	4.26	1.93	1.57	BEGAIN	chr14	protein_coding
ENSG00000157654.16	-2.776427	4.52423492	4.13E-19	9.35E-18	4.01	4.67	0.19	0.79	PALM2-AKAP1	chr19	protein_coding
ENSG00000134566.11	-1.3529117	2.8892067	1.44E-05	6.83E-05	2.16	2.65	1.05	1.46	AP000692.10 --	chr21	antisense
ENSG00000271399.1	2.24206911	-0.0388459	4.29E-07	6.23E-06	0.12	0.45	2.15	1.46	AP000692.10 --	chr21	antisense
ENSG00000186399.10	6.0224824	-2.378733	8.38E-05	0.0004052	0	0	0.07	0.2	GOLGA8R	chr15	protein_coding
ENSG00000137872.14	1.4076222	0.6040404	0.0000000	0.0000000	0.37	0.37	0.56	0.62	OR13D3	chr2	protein_coding
ENSG00000138250.15	1.1584184	3.87401976	9.23E-05	0.0003725	1.59	2.05	4.8	6.04	SRP	chr18	protein_coding
ENSG00000175354.17	1.0084172	3.62882246	0.0006919	0.0023542	1.32	1.73	3.38	5.02	TYRO2	chr18	protein_coding
ENSG0000014507.8	1.4076222	0.6040404	0.0000000	0.0000000	0.37	0.37	0.56	0.62	OR13D3	chr2	protein_coding
ENSG00000142525.6	-5.1203976	4.6019263	6.15E-47	7.23E-45	22.65	18.46	0.83	0.75	RCN3	chr19	protein_coding
ENSG00000152486.14	1.9249898	0.4044026	0.0001203	0.0001331	25.9	24.8	18.2	18.2	OR13D3	chr2	protein_coding
ENSG00000135436.7	1.7587185	-0.5609444	0.0002139	0.0008028	0.09	0.01	0.23	0.23	FAM196B	chr19	protein_coding
ENSG00000153140.7	1.4073509	1.9218957	1.74E-05	8.08E-05	0.41	0.28	0.66	1.94	CETN3	chr19	protein_coding
ENSG00000169136.7	2.4500000	3.9624400	4.93E-23	2.39E-23	100.86	118.7	10.8	120.8	AT5	chr19	protein_coding
ENSG00000114812.11	-3.9448273	1.31412037	1.15E-22	3.35E-21	0.98	1.27	0.61	0.1	WRP1	chr3	protein_coding
ENSG0000029898.1	2.0674041	1.86237614	1.03E-09	9.01E-09	0.35	0.43	1.89	2.41	RP11-317N8	chr14	antisense
ENSG00000149271.14	1.1049177	6.0326398	0.0001203	0.0001331	25.9	24.8	18.2	18.2	OR13D3	chr2	protein_coding
ENSG00000261455.1	1.74445258	1.32169	4.78E-07	2.89E-06	0.61	0.4	1.58	2.96			

ENSG00000260220.4	-5.5209505	-2.8639386	0.00158008	0.0049521	0.05	0.01	0	0	MGC50722	--	chr9	protein_coding	
ENSG0000189881.8	-5.5209505	-2.8639386	0.00158008	0.0049521	0.05	0.01	0	0	CAP52	calyphosine 2	chr12	antisense	
ENSG000048465.1	-1.5768883	0.79051065	8.83E-06	4.34E-05	0.83	0.83	0.2	0	052 RP11-57A19.1	--	chr9	lincRNA	
ENSG000019733.11	3.63379307	-1.1606305	1.97E-07	1.27E-06	0.03	0	0.13	0.45	ZNF823	zinc finger protein 823	chr19	protein_coding	
ENSG000014907.11	2.5213696	-2.9689872	0.00000001	0.00000001	63.26	59.2	27.61	0.01	252 TRMT11	RNA methyltransferase 1 homolog (S. cerevisiae)	chr19	protein_coding	
ENSG000014934.14	-1.5225296	3.0787525	2.01E-62	5.79E-60	1.78	24.5	0.01	0.01	TENM2	tenascin transmembrane protein 2	chr5	protein_coding	
ENSG0000263069.4	-1.641532	-1.983427	0.0196725	0.0447036	0.04	0.09	0.02	0.02	CTD-2047H1	--	chr17	antisense	
ENSG000017165.17	0.0113723	2.9689872	0.00000001	0.00000001	63.26	59.2	27.61	0.01	0.04 UST16A	UDP-glucuronosyltransferase 1 family, colicoidecoid A6	chr17	protein_coding	
ENSG000005059.14	-1.1530285	6.34675699	6.54E-05	0.00027331	62.19	55.3	30.4	0.04	35.4 DHP5	DHP4/ubiquitin synthase	chr19	protein_coding	
ENSG000024575.10	4.5405528	2.5744042	3.65E-32	1.80E-30	0.04	0.08	2.07	1.15	GREB1	cytoplasmic phospholipase element binding protein 1	chr15	protein_coding	
ENSG000015707.13	-1.8344129	-0.8492437	8.27E-15	1.30E-13	0.82	1.81	0.02	0.01	272 ZFYVE3	zinc finger, FYVE domain containing 9	chr17	protein_coding	
ENSG000026110.2	-1.8344129	-0.8492437	8.27E-15	1.30E-13	0.82	1.81	0.02	0.01	0 RP4-545K15.1	--	chrX	sense_intronic	
ENSG0000159718.7	-1.958451	5.4760276	1.77E-07	0.00000001	10.1	55.88	33.31	0.03	303 DUSP7	dual specificity phosphatase 7	chr19	protein_coding	
ENSG000013710.15	-1.2905056	2.8046465	2.48E-05	0.0001214	1.51	163	0.79	0.92	TMEM88	transmembrane protein 88	chr9	protein_coding	
ENSG0000132948.17	1.37897726	2.43197157	1.13E-05	5.41E-05	0.23	0.33	0.89	1.02	INADL	Inad-like (Drosophila)	chr1	protein_coding	
ENSG000018688.11	2.4688812	0.9592468	0.00000001	0.00000001	63.26	59.2	27.61	0.01	0.88 CPT2C1	crotonase family 27, subfamily C, colicoidecoid 1	chr19	protein_coding	
ENSG000018791.16	3.3259341	0.6094656	2.97E-14	4.39E-13	0.03	0.02	0.31	0.36	MAGIZ	membrane associated guanylate kinase, WW and PDZ domain containing 2	chr19	protein_coding	
ENSG000012028.12	-2.467027	-1.8497186	0.0005207	0.0018287	0.02	0.25	0.03	0.03	0.03 RITBDN	retinbin	chr19	protein_coding	
ENSG000015246.10	-2.2202997	4.121338	3.98E-13	4.45E-12	2.55	2.94	0.58	0.87	RPL29T	Ribosomal protein L29, 19kDa	chr2	protein_coding	
ENSG000021530.8	2.15527064	6.3730913	4.34E-13	5.64E-12	3.65	4.47	20.03	29.83	DDX3C	DEAD (Asp-Glu-Ala-Asp) box helix class 3, X-linked	chr17	protein_coding	
ENSG0000109046.13	2.0794615	4.5197438	6.34E-12	7.29E-11	0.9	1.1	4.33	6.94	WDR5	WD repeat and SOCS box containing 1	chr17	protein_coding	
ENSG000018931.11	1.2229809	4.5567671	2.95E-05	0.0001312	6.45	6.74	3.84	3.68	TBC1D25	TBC1 domain family member 25	chr19	protein_coding	
ENSG0000068354.14	-1.2229809	4.5567671	2.95E-05	0.0001312	6.45	6.74	3.84	3.68	TBC1D25	TBC1 domain family member 25	chr19	protein_coding	
ENSG000025466.1	-8.696626	-2.635109	0.0002535	0.0009747	0.2	0.47	0	0	0 RP11-582K2	--	chrX	antisense	
ENSG000006300.14	5.1524578	0.712326	3.95E-09	3.99E-13	3.96E-13	0	0.28	0.64	SMU1	sorting nexin 10	chr11	protein_coding	
ENSG0000117594.8	-6.7016407	-0.064789	6.25E-07	3.72E-06	0.34	0.08	0	0	0 HSD11B1	hydroxysteroid (11-beta)-hydroxylase 1	chr1	protein_coding	
ENSG000021241.14	1.5194555	1.4597595	9.92E-05	1.00E-05	0.07	0.08	0.3	0.1	0.02 C22C7	cardiotome P45 family 27, subfamily C, colicoidecoid 1	chr19	protein_coding	
ENSG000000758.12	4.18029379	6.14998152	2.78E-37	1.82E-35	0.77	0.74	20.11	16.25	GNAO1	guanine nucleotide binding protein (G protein), alpha activator activity colicoidecoid O	chr16	protein_coding	
ENSG0000143061.16	-1.9272064	6.0961884	1.73E-21	4.71E-20	14.65	14.24	2.36	2.74	IGSF7	immunoglobulin superfamily member 7	chr1	protein_coding	
ENSG000015996.10	1.3759751	2.6924243	9.97E-05	0.0004017	0.36	0.33	0.95	1.18	FAM178A	family with sequence similarity 178, member A	chr17	protein_coding	
ENSG0000078829.1	2.2809126	-2.1473929	0.0034424	0.0102709	0.1	0	0.51	0.2	0.2 RP11-588B2	--	chr17	sense_intronic	
ENSG000009162.14	-3.787995	4.7872293	3.16E-31	1.54E-29	4.91	6.87	0.54	0.59	PITPNM3	PITPNM family member 3	chr17	protein_coding	
ENSG0000117943.12	1.3269136	3.87544796	3.02E-22	6.62E-21	0.29	0.45	0.16	0.15	MAMDC2	MAM domain containing 4	chr17	protein_coding	
ENSG000013810.14	1.3269136	3.87544796	3.02E-22	6.62E-21	0.29	0.45	0.16	0.15	MAMDC2	MAM domain containing 4	chr17	protein_coding	
ENSG0000159546.12	5.8553222	0.9592468	0.00000001	0.00000001	63.26	59.2	27.61	0.01	0.03 SEAN1	brain expressed, associated with NEDD4. 1	chr16	protein_coding	
ENSG000014028.12	1.1610565	1.7183494	0.0003971	0.0013989	0.94	1.24	2.13	4.23	LYSMD2	lysyl, putative peptidohydrolase, domain containing 2	chr16	protein_coding	
ENSG000011694.10	2.1391836	1.7549563	4.17E-10	4.02E-09	0.1	0.13	0.61	0.75	SOCS1	son of sevenless homolog 1 (Drosophila)	chr12	protein_coding	
ENSG000019897.9	-1.1610565	1.7183494	0.0003971	0.0013989	0.94	1.24	2.13	4.23	ZNF603A	zinc finger protein 603A	chr19	protein_coding	
ENSG000045198.13	1.9749739	-1.4232127	0.0018575	0.0057918	0.04	0	0.05	0.2	WRAS2	von Willebrand factor A domain containing 5B2	chr3	protein_coding	
ENSG0000272854.1	-1.674363	-1.125684	0.0021432	0.0065363	1.17	0.85	0.07	0.11	NR4-593H12	--	chr7	antisense	
ENSG000012452.13	5.9254215	1.2717744	1.37E-7	7.69E-52	0.66	1.71	0.33	0.95	1.18 MARS2	MARS2 magnesium transporter	chr17	protein_coding	
ENSG0000269026.2	3.4711978	-1.789258	4.49E-05	0.00019431	0.6	0.09	1.05	0.44	AC003006.7	--	chr19	protein_coding	
ENSG000026484.1	1.2821433	0.65895934	0.0005124	0.0178657	0.63	0.7	2.64	1.17	CCEK2	coiled-coil glutamate-rich protein 2	chr19	protein_coding	
ENSG000025105.11	1.8942967	-3.0991826	0.0188987	0.0451857	0.6	0.04	0.1	0.4	0.4 RP11-346L2.1	--	chr19	lincRNA	
ENSG000025444.1	2.3603579	-2.4758989	0.0181232	0.03011315	0	0.07	0.23	0.26	RP11-182J1.1	--	chr15	antisense	
ENSG000017592.10	-1.2319663	7.8237484	1.34E-05	8.91E-05	90.3	87.6	49.95	51.04	RUVBL1	RuvB-like AAA/ATPase 1	chr19	protein_coding	
ENSG000011475.12	1.2471948	0.9211576	2.94E-11	1.52E-11	0.04	0.1	0.04	0.73	BLZF1	basic leucine zipper nuclear factor 1	chr19	protein_coding	
ENSG00002031274.5	-6.5060014	-2.2130798	3.03E-06	1.62E-05	0.25	0.18	0	0	0 SRK3	SH3 domain binding kinase family member 3	chr19	protein_coding	
ENSG000013974.11	1.1610565	1.7183494	0.0003971	0.0013989	0.94	1.24	2.13	4.23	MOG3N	ORN repeat containing 3	chr19	protein_coding	
ENSG0000272512.1	1.3694393	-0.5442598	0.0030971	0.0090807	0.17	0.1	0.55	0.37	RP11-5407J.1	--	chr19	lincRNA	
ENSG0000252969.1	2.7087814	-2.26271	0.0028191	0.0040487	0	0.1	0.34	0.59	ABHD11-AS1	ABHD11 antisense RNA 1 (tail to tail)	chr7	antisense	
ENSG000012531.15	1.922475	0.00000001	0.0003789	0.0004608	0.17	0.04	0.1	0.71	C2K	C2K nuclear containing, RNA binding	chr19	protein_coding	
ENSG000016748.9	-6.765035	-2.016492	0.37E-07	2.30E-06	0.49	0.26	0.9	0.7	0.7 KXKI	kallikrein 1	chr19	protein_coding	
ENSG0000038914.11	-8.626455	0.7508756	7.88E-27	3.07E-25	0.79	0.97	0.02	0.02	ZNF671	zinc finger protein 671	chr19	protein_coding	
ENSG0000164678.8	1.0277003	6.6982396	0.00000001	0.00000001	63.26	59.2	27.61	0.01	0.17 PPL6	protein phosphatase 1-like 6	chr19	protein_coding	
ENSG000018250.14	1.4559003	-1.4708937	0.0189851	0.0393627	0.03	0.03	0.05	0.17	PPL6	protein phosphatase 1-like 6	chr19	protein_coding	
ENSG000017526.16	2.2984209	2.5191937	1.95E-12	2.37E-11	0.2	0.44	1.46	2.76	GOLGA8A	glucosyl alpha 8 family member A	chr15	protein_coding	
ENSG000013003.13	1.2739628	6.7620958	1.06E-05	5.12E-05	72.65	70.56	41.7	39.4	ZNF292	zinc finger SWIM-type containing 4	chr19	protein_coding	
ENSG000008394.10	-1.2739628	6.7620958	1.06E-05	5.12E-05	72.65	70.56	41.7	39.4	GPOW	g-patch domain and KOW motifs	chr15	protein_coding	
ENSG000015600.11	-2.21617	0.4771393	8.44E-09	6.54E-08	0.1	0.24	0.03	0.03	ATM2	ATM2 family, 3rd domain containing 2	chr19	protein_coding	
ENSG000018922.15	-2.21617	0.4771393	8.44E-09	6.54E-08	0.1	0.24	0.03	0.03	0.07	KIF12	Kinesin-like family 12	chr13	protein_coding
ENSG0000259134.4	2.750382	-0.855939	7.51E-07	4.41E-06	0.05	0.02	0.34	0.29	RP11-727A2	--	chr13	antisense	
ENSG0000259138.1	2.750382	-0.855939	7.51E-07	4.41E-06	0.05	0.02	0.34	0.29	RP11-592C1.1	--	chr13	antisense	
ENSG000018622.4	-1.029673	3.3556493	0.0005637	0.0019593	1.74	5.92	3.9	5.07	BLOC1S4	biogenesis of lysosomal organelles complex-1, subunit 4, cappuccino	chr4	protein_coding	
ENSG0000231908.1	-1.89224	-1.2200977	0.0006303	0.0020867	1.17	0.3	0.1	0.42	DH1-AS1	DH1 antisense RNA 1	chr2	antisense	
ENSG0000157020.16	-1.89224	-1.2200977	0.0006303	0.0020867	1.17	0.3	0.1	0.42	SC13	SC13 homolog (S. cerevisiae)	chr4	protein_coding	
ENSG000023866.1	1.18981479	-0.3158339	0.0059487	0.0120944	0.14	0.13	0.35	0.47	AC08822.3	--	chr16	lincRNA	
ENSG0000247033.1	4.7325456	-1.3388833	0.0188987	0.0451857	0	0	0.13	0	0.1 RP11-252E2	--	chr16	antisense	
ENSG000014597.4	1.0277003	6.6982396	0.00000001	0.00000001	63.26	59.2	27.61	0.01	0.02 ZNF697	zinc finger protein 697	chr16	protein_coding	
ENSG000009997.15	1.204669	0.4841723	0.0014763	0.0046769	0.23	0.12	0.54	0.54	P2RX6	purinergic receptor P2X6, ligand gated ion channel, 6	chr20	protein_coding	
ENSG000022836.1	5.264987	-2.018094	0.0024652	0.0076521	0	0	0.45	0.45	PARO3-AS1	PARO3 antisense RNA 1	chr12	antisense	
ENSG000014544.10	1.5697151	4.9269104	0.00000001	0.00000001	63.26	59.2	27.61	0.01	674.24 C2C	prostaglandin synthase	chr19	protein_coding	
ENSG000029897.1	-5.374252	-2.9467828	0.0029052	0.0069632	0.08	0.07	0	0	0 RP11-1070N	--	chr14	lincRNA	
ENSG000015246.5	-2.1701801	0.4592468	0.00000001	0.00000001	63.26	59.2	27.61	0.01	0.48	BARV	retrovirus Barv induced 3	chr14	lincRNA
ENSG000019879.10	3.22242306	4.5106355	5.32E-24	1.70E-22	0.95	1.25	11.14	11.51	SCAMP5	secretory carrier membrane protein 5	chr15	protein_coding	
ENSG000021743.3	5.6469976	-2.616209	0.0006564	0.00289128	0	0	0.01	0.05	G1A3	gajunction protein, alpha 3, 46kDa	chr13	protein_coding	
ENSG000024272.2	1.1294996	4.7180722	0.0001093	0.00043806	1.86	3.36	5.44	9.82	ZNF664	zinc finger protein 664	chr12	protein_coding	
ENSG0000170775.2	-1.7167769	0.79514318	1.91E-06	1.03E-05	0.66	0.75	0.22	0.34	CRP27	G protein-coupled receptor 27 (endothelin receptor type B)-like	chr7	protein_coding	
ENSG000020456.10	1.0277003	6.6982396	0.00000001	0.00000001	63.26	59.2	27.61	0.01	487.16 E2F3	transcription factor 3, protein 3	chr18	protein_coding	
ENSG0000265878.1	4.7325456	-1.3388833	0.0188987	0.0451857	0	0	0.13	0	0.2 CTD-254J11	--	chr18	lincRNA	
ENSG000047679.10	1.1713782												

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
ENSG0000016931.1	1.1541731	1.37044609	5.60E-07	3.36E-06	39.26	33.06	16.48	17.28	SNHG19	progress and adipogenic receptor family member III	chr16	lincRNA
ENSG00000166896.11	1.02689611	6.20018574	0.00039768	0.00132135	16.05	12.8	38.87	39.55	NAR2	NGFI-A binding protein 2 (GR1 binding protein 2)	chr12	protein_coding
ENSG0000012431.11	1.02689611	6.20018574	0.00039768	0.00132135	16.05	12.8	38.87	176	PKNO1	protein kinase N1	chr16	protein_coding
ENSG0000011728.10	3.1911251	0.81054983	1.51E-14	2.31E-13	0.15	0.02	0.7	1.39	GBP3	guanylate binding protein 3	chr12	protein_coding
ENSG0000025398.2	8.41378089	0.4378752	3.10E-16	5.50E-15	0.0	0.0	0.67	0.62	HICAR3	hydroxy-carboxylic acid receptor 3	chr12	protein_coding
ENSG0000018910.14	1.02689611	6.20018574	0.00039768	0.00132135	16.05	12.8	38.87	0.39	AAAR7	A kinase (PKA) anchor protein 7	chr12	protein_coding
ENSG0000016348.10	1.2000611	3.8439975	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	1.40E-10	6.26	5.11	1.74	1.53	PHYLPL	5-phosphoryl-L-lysine phospho-lyase	chr12	protein_coding
ENSG0000016968.13	6.24432736	1.02689611	6.20018574	0.00039768	16.05	12.8	38.87	2.29	LMNA	LM domain kinase 1	chr2	protein_coding
ENSG0000016877.10	1.96923626	3.68002266	1.22E-10	1.20E-09	1.4	1.28	7.73	1.79	TCTN2	teosonic family member 2	chr12	protein_coding
ENSG0000027460.1	3.329125	0.3764277	7.88E-07	6.38E-09	0.0	0.0	0.18	0.27	RIMBP2	RMS binding protein 1B	chr2	protein_coding
ENSG0000014376.11	1.00523212	1.45454057	0.0006301	0.00216312	1.2	1.43	3.74	3.27	SNM27	sorting neuron family member 27	chr16	protein_coding
ENSG00000090447.10	1.10689894	6.70404932	0.0002806	0.00078358	49.61	53.61	32.86	3.27	TFAP4	transcription factor AP-4 (activating enhancer binding protein 4)	chr16	protein_coding
ENSG0000013936.14	1.9413308	1.12749497	1.08E-05	5.13E-05	239.21	239.21	77.35	70.13	COL5A1	collagen type V alpha 1 chain	chr10	protein_coding
ENSG00000181007.8	6.9857141	1.8421603	4.98E-08	3.47E-07	0.11	0.11	0.2	0.0	ZFR2	ZFR2 zinc finger protein	chr10	protein_coding
ENSG0000009876.10	1.4981829	4.04754727	4.29E-07	2.82E-06	2.32	2.48	7.1	11.06	DHX32	DEAH (Asp-Glu-Ala-His) box polypeptide 32	chr10	protein_coding
ENSG0000012939.15	1.2487107	5.54504707	1.72E-16	6.10E-05	24.27	18.44	12.38	11.63	MPS1	mitogen-activated protein kinase 1	chr10	protein_coding
ENSG0000018247.7	1.2107263	1.7033196	0.0018671	0.0049852	0.11	0.12	0.02	0.05	CAPN12	calpain 12	chr19	protein_coding
ENSG0000010810.16	3.3088686	4.55539536	3.37E-25	1.18E-23	8.29	8.43	0.4	1.2	FN1	FYI1 proto-oncogene, Src family tyrosine kinase	chr19	protein_coding
ENSG0000012952.6	1.9413308	1.12749497	1.08E-05	5.13E-05	0.49	0.38	1.94	1.41	TG03	ligand transposable element derived 3	chr11	protein_coding
ENSG00000198862.12	3.10966231	0.23981688	1.64E-11	1.80E-10	0.02	0.02	0.14	0.37	LTN1	listerin E3 ubiquitin protein ligase 1	chr21	protein_coding
ENSG0000011415.8	7.51419236	1.2206655	5.23E-11	3.41E-10	0.17	0.27	0.17	0.27	RBP1	retinol binding protein 1, cellular	chr21	protein_coding
ENSG0000017786.1	4.9594869	0.0045209	0.0045209	0.0045209	0.0	0.0	0.04	0.6	RP11-114f3.3		chr11	antisense
ENSG00000261189.1	1.53268788	0.8031126	0.0021673	0.0060335	0.42	0.03	1.05	0.77	RP3-512B1.1		chr16	antisense
ENSG0000018396.7	1.2247682	1.51434438	0.0002049	0.00075733	2.85	4.0	2.22	1.72	UNC030313	long intergenic non-protein coding RNA 313	chr21	antisense
ENSG0000036549.11	1.04927494	0.45038319	0.0025313	0.0094108	0.08	0.18	0.35	0.55	ZZZ3	zinc finger, ZZ-type containing 3	chr1	protein_coding
ENSG0000018620.15	1.60523496	5.72547071	4.32E-08	3.03E-07	2.43	3.26	10.11	13.02	1-3ar	mitochondrial iron-sulfur reducing component 1	chr1	protein_coding
ENSG0000017980.14	1.3728104	1.078495	8.66E-05	0.00039593	0.25	0.16	0.29	1.14	PEX1	peroxisomal biogenesis factor 1	chr1	protein_coding
ENSG0000025389.1	4.91020569	3.0511096	0.010455	0.02582742	0.0	0.0	0.08	0.02	CO6h3		chr16	antisense
ENSG000001636245	2.94938087	0.3089938	1.09E-08	8.29E-08	0.04	0.02	0.27	0.27	CSD1	CDP-diacetylacetyl synthase (fuchsdiacetate/tyrosyltransferase) 1	chr11	protein_coding
ENSG00000107010.11	0.044263	1.2972936	6.30E-09	2.42E-05	0.21	0.14	1.94	1.19	CTD-212N1.1		chr17	antisense
ENSG0000010195.10	9.956573	9.9302474	1.05E-120	7.02E-117	736.41	601.29	1.3	0.5	FOLR1	folate receptor 1 (adult)	chr11	protein_coding
ENSG0000026071.7	1.285433	2.4673758	3.65E-05	0.00016155	0.17	0.17	0.45	0.45	AGO3	argonaute RISC catalytic component 3	chr16	protein_coding
ENSG0000010310.11	2.107715	0.939624	2.10E-07	1.58E-06	25.61	23.52	11.94	10.88	WAT4	Kluappa-like transcription factor 4	chr16	protein_coding
ENSG00000272219.1	2.2711528	1.8525306	0.00039791	0.0089202	0.02	0.05	0.25	0.17	CTB-18H117-1		chr7	sense_intronic
ENSG0000010759.1	1.386442	2.743655	0.00039791	0.0089202	0.02	0.05	0.25	0.17	RP11-114f3.3		chr11	antisense
ENSG00000163746.10	5.5173273	2.9480397	0.0029522	0.00856312	0.12	0.02	0.0	0.0	PLSCR2	phospholipid scramblase 2	chr19	protein_coding
ENSG000001053725	1.1077208	9.48751722	0.0001509	0.00045684	353.36	305.58	210.83	196.42	RP519	ribosomal protein S19	chr19	protein_coding
ENSG0000056098.16	1.1077208	9.48751722	0.0001509	0.00045684	353.36	305.58	210.83	0.67	DNOC	ligase-specific methyltransferase 2C	chr19	protein_coding
ENSG0000017824.13	4.74089537	2.35728238	1.93E-32	1.00E-30	0.11	0.11	4.12	3.93	CE5A4	carboxylesterase 4A	chr16	protein_coding
ENSG0000025824.1	3.3207244	2.7637753	0.0093836	0.02469931	0.06	0.26	0.04	0.0	RP11-21A7A.1		chr11	antisense
ENSG0000018480.10	2.2149487	0.231174	0.0046481	0.01310397	0.17	0.09	0.17	0.49	PARP1	PARP1 binding protein of set 4	chr16	protein_coding
ENSG00000159176.12	1.1871114	8.0136973	3.76E-05	0.00016473	122.6	110.16	7.02	6.55	CRP1	cysteine and dihydro-nicotinamide	chr1	protein_coding
ENSG0000026924.1	4.91020569	3.0511096	0.010455	0.02582742	0.0	0.0	0.09	0.2	AC007927.2		chr19	antisense
ENSG0000016259.12	3.3292462	2.7860389	0.0045209	0.02469931	0.0	0.0	0.63	0.0	HDX	highly divergent homeobox	chr1	antisense
ENSG0000030054.11	2.1956631	0.9739744	4.43E-09	3.58E-08	0.08	0.2	0.61	1.09	TBC1D23	TBC1 domain family member 23	chr19	protein_coding
ENSG0000017210.18	1.9801451	6.9538654	1.32E-11	5.21E-20	42.1	45.67	0.2	0.1	ABR14	ankyrin binding LIM domain family member 3	chr19	protein_coding
ENSG0000020461.15	2.2713149	0.31383471	5.64E-08	3.91E-07	0.06	0.08	0.02	0.59	ZNF616	zinc finger protein 616	chr19	protein_coding
ENSG00000163293.10	6.6972629	1.882724	3.73E-07	2.30E-06	0.0	0.0	0.04	0.11	NPA1	NPA-like domain containing 1	chr19	protein_coding
ENSG0000017896.11	1.6186202	2.242399	0.0029522	0.00856312	0.02	0.02	0.29	0.02	ZNF223	zinc finger protein 223	chr19	protein_coding
ENSG0000054277.11	1.16186202	2.242399	0.0029522	0.00856312	0.02	0.02	0.29	1.37	DPN3	opsin 3	chr1	protein_coding
ENSG0000023671.16	5.4792126	2.733202	0.0015808	0.00499521	0.0	0.0	0.09	0.4	PRKG1-AS1	PRKG1 antisense RNA 1	chr10	antisense
ENSG0000018044.4	1.0419632	1.2972936	6.30E-09	2.42E-05	0.19	0.09	0.13	0.18	CR3	chromosome 3 open reading frame 80	chr10	protein_coding
ENSG0000016926.8	1.3011609	7.2651605	6.78E-06	3.40E-05	25.73	25.77	13.3	14.55	KF13	Kruppel-like factor 13	chr15	protein_coding
ENSG0000017948.6	2.2584584	0.2226531	1.07E-09	9.33E-09	0.3	0.37	0.07	0.00	UNC1000174	lincRNA intergenic non-protein coding RNA 174	chr7	lincRNA
ENSG0000010929.17	1.9214541	0.0081817	1.11E-05	0.00021937	0.4	0.29	0.09	0.13	IT14	transcription-like enhancer of set 4	chr19	protein_coding
ENSG0000019808.17	2.5432099	0.5323481	6.53E-10	5.85E-09	0.03	0.04	0.17	0.38	PRARGC1A	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	chr4	protein_coding
ENSG0000016998.6	1.8697412	0.3727458	0.00039791	0.0089202	0.02	0.05	0.25	0.17	DMG	diacylglycerol methyltransferase 2	chr11	protein_coding
ENSG0000011526.10	1.7565702	2.4157193	3.78E-08	2.66E-07	0.12	0.21	0.67	0.81	ACAP2	adenomatous polyposis coli 2	chr19	protein_coding
ENSG0000028107.1	6.9966414	1.8361611	3.05E-08	2.18E-07	0.03	0.38	0.0	0.0	RP11-499P11-1		chr19	lincRNA
ENSG0000016028.11	1.9214541	0.0081817	1.11E-05	0.00021937	0.4	0.29	0.09	0.13	M507	major facilitator superfamily domain containing 7	chr4	protein_coding
ENSG0000021384.1	4.72173804	3.1445547	0.0188973	0.04519557	0.0	0.0	0.24	0.0	RP11-4305A.1		chr9	lincRNA
ENSG0000017886.12	1.2933919	5.7638491	8.52E-06	4.20E-05	7.26	6.93	23.47	22.89	PARP10	poly (ADP-ribose) polymerase family, member 10	chr19	protein_coding
ENSG0000012970.10	1.2933919	5.7638491	8.52E-06	4.20E-05	7.26	6.93	23.47	0	BCR2	alkaline phosphatase, placental	chr19	protein_coding
ENSG0000012487.12	2.2881722	1.5305196	6.61E-14	9.40E-13	14.42	12.37	3.67	3.8	PEX6	peroxisomal biogenesis factor 6	chr16	protein_coding
ENSG0000010205.9	2.1964976	8.9532684	1.31E-13	1.79E-12	29.59	45.26	27.34	23.02	NEFH	neurofilament, heavy polypeptide	chr22	protein_coding
ENSG0000014357.19	1.9801451	6.9538654	1.32E-11	5.21E-20	42.1	45.67	0.2	0.1	PCD	phosphogluconate dehydrogenase	chr19	protein_coding
ENSG0000014622.10	5.0147582	2.962774	0.010455	0.02582742	0.0	0.0	0.08	0.08	TCTE1	t-complex-associated-testis-expressed 1	chr10	protein_coding
ENSG0000014800.10	1.818704	3.9273062	1.64E-08	1.40E-08	23.4	21.21	7.57	9.00	NUM1	nuclear mitotic arrest protein 1	chr16	protein_coding
ENSG0000014406.11	5.47376843	2.8204398	3.55E-05	6.38E-05	0.35	0.52	0.52	0.55	ANGEL2	angel homolog 2 (Drosophila)	chr10	protein_coding
ENSG0000017818.8	8.9561781	0.9273013	6.55E-21	1.68E-19	0.0	0.0	0.73	0.47	DVCL1	ovo-like zinc finger 1	chr11	protein_coding
ENSG000001333.15	1.9214541	0.0081817	1.11E-05	0.00021937	0.02	0.02	0.29	0.02	PCB1	phosphatidylcholine transferase 1	chr19</	

ENSG0000027894.1	14493255	-1477729	0.01609851	0.02893627	0.36	0.3	1.07	FSGS70	--	chrX	protein_coding
ENSG00000201712.1	14493255	-1477729	0.01609851	0.02893627	0.36	0.3	1.07	AGAP210	--	chr10	protein_coding
ENSG00000137373.10	12334534	305998429	5.14E-05	0.0002188	1.42	2.62	4.3	838 CDDC59	coiled-coil domain containing 59	chr12	protein_coding
ENSG00000138078.14	14897954	217299617	3.26E-06	1.73E-05	0.22	0.29	0.76	116 PREPL	prolyl 4-hydroxylase-like domain	chr2	protein_coding
ENSG00000229951.4	21051633	0.07017	0.00000000	0.00000000	0.00	0.00	0.00	073 FLJ15356	transmembrane protein 511	chr2	antisense
ENSG00000134321.10	65537397	-1945061	1.78E-06	0.69E-06	0	0	0.08	101 RNSA02	radical S-adenosyl-methionine domain containing 2	chr2	protein_coding
ENSG00000261008.5	17143594	-1596395	0.00684911	0.01852899	0	0.09	0.26	014 UNC119372	long intergenic non-protein coding RNA 1572	chr16	lincRNA
ENSG00000279960.1	24849123	-2404844	0.00707015	0.01977584	0.01	0.01	0.02	RP11-212Z1.1	--	chr17	antisense
ENSG00000261997.1	24849123	-2404844	0.00707015	0.01977584	0.01	0.01	0.02	RP11-212Z1.1	--	chr16	lincRNA
ENSG00000106244.1	11206793	910197925	2.70E-05	0.00012904	218.54	239.82	131.84	13225 P43	PDGFA associated protein 1	chr7	protein_coding
ENSG00000151207.15	23820215	0.00000000	0.00000000	0.00000000	0.00	0.00	0.00	446 TEX30	testis expressed 30	chr13	protein_coding
ENSG00000279289.1	47323546	-1388883	0.01888763	0.04119557	0	0	0.06	0 RP3-331H24.1	--	chr6	TEC
ENSG00000182377.1	58002907	-21076827	0.00080000	0.00000000	0.00	0.00	0.02	002 R02P265	Rag guanine nucleotide exchange factor (GEF) 5	chr7	protein_coding
ENSG00000071189.20	137068102	0.7925759	0.0001428	0.00066504	0.07	0.05	0.14	028 SNAJ3	sorting nexin 13	chr7	protein_coding
ENSG00000101712.10	13061255	328888459	1.53E-05	7.23E-05	0.58	0.75	1.4	302 CHORDC1	systeme and histidine-rich domain (CHORD) containing 1	chr11	protein_coding
ENSG0000020385.11	-14394698	-13202248	0.00000000	0.00000000	0.01	0.1	0.01	004 DRP2	dystronin-related protein 2	chrX	protein_coding
ENSG00000197312.10	153607249	24093494	1.26E-06	7.14E-06	0.17	0.23	0.86	072 DD2	DNA-damage inducible 1 homolog 2 (S. cerevisiae)	chr1	protein_coding
ENSG00000231439.4	81140389	-0.706449	6.10E-14	8.78E-13	0	0	1.19	096 WASR2	WASH and LRSP associated 2	chr16	lincRNA
ENSG00000161798.6	67876336	16122948	1.87E-08	1.39E-07	0	0	0.51	021 AC2P	uncharacterized protein	chr12	protein_coding
ENSG00000195956.8	16646153	44402753	2.25E-08	1.63E-07	5.02	3.89	18.83	1885 ISL2	ISL1 homeobox 2	chr15	protein_coding
ENSG00000201176.1	36714376	-1549429	8.20E-06	4.05E-05	0	0.82	7.89	111 MT-TH	mitochondrially encoded RNA histidine	chrM	lincRNA
ENSG0000014480.11	1959241	43091133	7.63E-11	7.92E-10	2.09	1.07	7.05	1308 GRE1	RAG1/RBCK2-containing complex, subunit 3	chr1	protein_coding
ENSG00000167722.10	-2.6681863	17121538	1.18E-18	2.53E-17	123.38	91.08	22.89	221 ANGPTL4	angiopoietin-like 4	chr19	protein_coding
ENSG0000046999.14	36962728	13122142	5.16E-05	1.10E-17	0	0	1.3	148 DUSP15	indole specific chaperohesin 15	chr2	protein_coding
ENSG00000424394.5	-1.0237451	11.0007038	1.77E-05	8.22E-05	2992.6	2906.61	1738.97	19596 RP311	--	chr19	protein_coding
ENSG00000242889.2	57692273	-25489465	0.00047761	0.00167191	0	0	0.07	016 CNTN	cellular nectinophilic factor	chr11	protein_coding
ENSG00000196346.7	213034657	-42300271	2.51E-12	3.00E-11	2.5	2.47	15.09	1332 SLC25A3	solute carrier family 25 (mitochondrial nucleoside transporter), member 3	chr10	protein_coding
ENSG00000137691.11	30719937	15856306	1.18E-16	2.13E-15	0.27	0.14	1.7	293 C11orf70	chromosome 11 open reading frame 70	chr11	protein_coding
ENSG00000208237.1	51386533	-28266272	0.02095202	0.06986312	0	0	0	006 MIR687HG	MIR687 host gene	chr11	TEC
ENSG00000138625.7	5189838	-0.9334487	7.52E-15	1.30E-13	0.02	0.2	0.4	024 GRCF	early growth response 4	chrX	protein_coding
ENSG00000183718.5	22503825	2.0827459	1.70E-11	1.88E-10	0.25	0.42	2.01	224 TRMS2	trispartite motif containing 52	chr15	protein_coding
ENSG0000015148.13	29737248	3.304294	8.83E-20	2.04E-18	0.45	0.72	4.84	741 SAV1	salvador family WW domain containing protein 1	chr14	protein_coding
ENSG00000185115.13	11904945	1.2693245	0.00000000	0.00000000	0.00	0.00	0.00	13 BRC3C2	BRC3C2-containing complex, subunit 3	chr1	protein_coding
ENSG0000023892.1	57692273	-2548946	0.00047761	0.00167191	0	0	0.08	018 RP4-753M9.1	--	chr22	antisense
ENSG00000151045.5	1188863	1.712024	0.0012947	0.00000000	1.3	2.0	3.62	253 AL137812.1	--	chr1	protein_coding
ENSG00000247934.17	22941937	2549587	6.40E-13	8.02E-12	0.47	0.6	3.62	338 NBP3	neuroblastoma breakpoint family, member 3	chr1	protein_coding
ENSG0000014090.15	31965173	-0.880061	8.22E-11	8.29E-10	0.02	0.02	0.25	075 SH3GL3	SH3-domain GRB2-like 3	chr15	protein_coding
ENSG0000014428.17	1822965	1.648168	0.00000000	0.00000000	0.00	0.00	0.00	022 NBEAL1	nebulin-like 1	chr1	protein_coding
ENSG00000163539.14	18363595	2.0493967	2.29E-08	1.66E-07	0.16	0.16	0.6	092 CLASP2	cytoplasmic linker-associated protein 2	chr16	protein_coding
ENSG00000168851.3	-1.013223	0.5838519	0.0001447	0.00147281	131.53	126.76	84.33	8623 PK1	pojo-like kinase 1	chr16	protein_coding
ENSG00000254860.4	-1.8268	0.00000000	0.00000000	0.00000000	0.00	0.00	0.00	018 MIR687B-AS1	MIR687B-antisense RNA 1	chr11	antisense
ENSG0000018991.9	-1.294056	4.6323156	9.91E-06	4.81E-05	3.98	4.36	2.02	247 SPALL2	signal-induced proliferation-associated 1 like 2	chr11	protein_coding
ENSG00000238910.2	-0.722814	-1.803813	3.05E-08	2.18E-07	0.92	1.02	0	0 RP11-19E11.1	--	chr12	lincRNA
ENSG00000198821.9	-1.4274408	0.00000000	0.00000000	0.00000000	0.00	0.00	0.00	017 CD207	CD207 molecule	chr1	protein_coding
ENSG00000091009.7	21705039	0.7129907	1.37E-08	1.03E-07	0.11	0.03	0.35	049 RM27	RNA binding motif protein 27	chr5	protein_coding
ENSG0000017667.13	-2.514734	0.3726148	3.24E-10	3.03E-09	0.71	0.44	0.08	018 KASAB	RAG p21 protein activator 48	chr7	protein_coding
ENSG00000114045.5	-1.0237451	-0.6736939	0.01888763	0.04119557	0.00	0.00	0.00	019 RMRB	RNA methyltransferase 2	chr12	protein_coding
ENSG00000242110.6	18122811	2.9078934	6.31E-09	4.99E-08	0.45	0.7	2.24	316 AMACR	alpha-methylglutaryl-CoA racemase	chr7	protein_coding
ENSG00000162516.6	-1.737058	1.648168	0.00000000	0.00000000	0.00	0.00	0.00	005 CD3A3	claudin 3	chr1	protein_coding
ENSG0000010528.11	1.2958084	0.5127139	0.0056485	0.00195872	0.26	0.28	0.97	078 MOSP21	moche sperm domain containing 1	chrX	protein_coding
ENSG0000011472.8	-0.451382	17333842	1.07E-20	2.71E-19	3.31	2.79	0.3	044 TSPAN1	tetraspanin 1	chr1	protein_coding
ENSG0000017486.14	2.164378	1.8778	9.92E-10	8.71E-09	0.19	0.18	0.24	012 ZNF24	zinc finger protein 24	chr18	protein_coding
ENSG00000116649.9	-0.4536773	0.7485338	3.23E-16	5.72E-15	0.89	1.69	0.22	011 GNR3	guanine nucleotide binding protein (G protein), beta polypeptide 3	chr12	protein_coding
ENSG00000174689.9	-1.737256	1.7577925	1.60E-07	1.04E-06	6.2	5.61	3.04	169 SPATA24	spermatogenesis associated 24	chr1	protein_coding
ENSG000002396.11	5.371173	-2.948207	0.00000000	0.00000000	0.00	0.00	0.00	0 RP4-728D4.1	--	chr1	antisense
ENSG00000100697.13	24320382	1.7565662	2.68E-12	3.21E-11	0.08	0.08	0.51	061 DICER1	dicer 1, ribonuclease type III	chr14	protein_coding
ENSG0000019725.11	60536004	-2.3626161	4.74E-05	0.00020301	0.00	0.00	0.00	015 RRNP1	ribonucleonucleic protein/retroviral acute inducible nuclear-specific 1	chr17	protein_coding
ENSG00000119157.7	12129063	1.2693245	0.00000000	0.00000000	1.68	2.21	1.63	231 AK1	v-crk avian sarcoma virus CT10 oncogene homolog 1	chr17	protein_coding
ENSG00000212481.15	16783489	-0.2253038	0.0019848	0.00070524	0.34	0.14	0.26	174 RWDMD3	RWD domain containing 3	chr17	protein_coding
ENSG00000259621.1	15857499	1.4486622	8.93E-12	1.12E-11	3.28	2.48	2.68	6353 AL137812.1	--	chr1	protein_coding
ENSG00000102471.12	10712502	2.0751262	0.0008164	0.00274429	0.39	0.52	0.74	118 NDFP2	Nedd4 family interacting protein 2	chr13	protein_coding
ENSG00000262772.1	-1.488665	-1.726201	1.16E-08	8.78E-09	0.25	0.21	0.1	002 RP11-353N1.1	--	chr17	lincRNA
ENSG00000107874.9	18436435	1.2693245	0.00000000	0.00000000	187.4	167.07	97.6	005 RMRB	RNA methyltransferase 2	chr12	protein_coding
ENSG00000106789.11	-2.408148	4.005482	5.77E-15	9.19E-14	3.71	3.95	0.99	039 CORO2A	coronin, actin-binding protein, 2A	chr19	protein_coding
ENSG00000197615.1	-1.797413	-1.055597	0.0098474	0.003149	0.62	0.44	0.31	011 ELANE	elastase, neutrophil expressed	chr19	protein_coding
ENSG00000249923.11	-0.500127	-2.566109	0.00000000	0.00000000	0.00	0.00	0.00	000acac3444	--	chr1	antisense
ENSG00000144485.9	10140818	3.5975425	0.0006205	0.00223172	3.95	3.34	10.01	962 HES6	hes family bHLH transcription factor 6	chr2	protein_coding
ENSG0000012148.10	11180741	2.1486206	0.0010873	0.00354562	0.29	0.23	0.43	108 TRMT1L	RNA methyltransferase 1 homolog (S. cerevisiae)-like	chr1	protein_coding
ENSG00000169762.15	-1.820519	1.648168	0.00000000	0.00000000	0.00	0.00	0.00	013 TAP11	transmembrane anterior posterior transformation 1	chr1	protein_coding
ENSG00000141098.11	12297072	5.2923407	2.39E-05	0.00010805	2.63	2.67	8.01	854 GFOD2	glycose-fructose oxidoreductase domain containing 2	chr16	protein_coding
ENSG00000163879.10	5.217482	-0.3337949	0.00538165	0.01488651	0.89	1.07	0.69	019 DNAIL1	dynamin, nuclear, light intermediate chain 1	chr1	protein_coding
ENSG00000102453.13	15244973	1.4486622	9.93E-13	8.01E-09	15.19	10.9	50.46	4603 VAC14	Vac14 homolog (S. cerevisiae)	chr16	protein_coding
ENSG00000270141.1	2.8988183	0.0629666	5.90E-10	5.31E-09	0.05	0.66	3.57	351 RP11-820D16.1	--	chr18	antisense
ENSG00000278899.1	2.8982916	2.1663489	0.00000000	0.00000000	0.00	0.00	0.00	013 AL258822.1	--	chr1	protein_coding
ENSG00000166278.13	35911539	0.2959001	3.74E-14	5.44E-13	0.04	0.03	0.68	047 C2	complement component 2	chr16	protein_coding
ENSG00000103550.12	-1.1931458	2.7463055	3.51E-06	0.00015453	23.28	27.59	14.07	1558 KNOX1	lysine-rich nuclear protein 1	chr16	protein_coding
ENSG00000161333.11	-1.758825	1.648168	0.00000000	0.00000000	1.4	1.61	0.00	001 TRMR8	transmembrane protein 8	chr1	protein_coding
ENSG00000156899.15	-1.2889636	1.5488939	8.37E-06	4.13E-05	96.25	83.69	40.78	5288 SODCAC3	serologically defined colon cancer antigen 3	chr1	protein_coding
ENSG00000170745.5	50371849	-0.4489868	1.14E-13	1.57E-12	0.01	0	0.16	055 C2orf69	chromosome 2 open reading frame 69	chr2	protein_coding
ENSG0000010196.10	2.069294	1.2693245	0.00000000	0.00000000	0.00	0.00	0.00	028 CRSD22	chromosome 22 open reading frame containing 2	chr16	protein_coding
ENSG00000174720.14	2.0674725	2.2254307	3.23E-10	3.02E-09	0.38	0.7	0.2	394 LARP7	La ribonucleoprotein nuclear protein, member 7	chr4	protein_coding
ENSG00000181830.8	-1.5280614	6.4882326	1.56E-07	1.02E-06	22.41	25.87	10.08	115 SLC35C1	solute carrier family 35 (GDP-fucose transporter), member C1	chr11	protein_coding
ENSG00000170961.6	-0.2202423	0.00000000	0.00000000	0.00000000	0.02	0.37	0.85	027 HARS2	hydrolase synthase 2	chr1	protein_coding
ENSG00000136158.9	-1.5990942	1.3409325	2.19E-06	1.20E-05	0.85	1.17	0.34	055 SPR2	sprouty nuclear protein 2 (Drosophila)	chr13	protein_coding
ENSG0000013394											

ENSG0000040374.14	19090595	691408382	0.00015272	0.00089827	26.2	28.35	86.61	ETFA	electron-transfer-flavoprotein, alpha polypeptide	chr15	protein_coding	
ENSG0000070614.13	15484817	15484817	0.00000000	0.00000000	15.4	16.04	144	NDST1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	chr14	protein_coding	
ENSG0000139349.19	-29876658	-41130234	3.38E-21	8.96E-20	5.72	5.67	1083	C14orf159	chromosome 14 open reading frame 159	chr14	protein_coding	
ENSG0000189057.9	405803824	117221808	5.22E-21	1.38E-19	0.05	0.06	0.69	176	FAM1118	family with sequence similarity 111, member B	chr15	protein_coding
ENSG0000244818.11	12482492	29483659	5.99E-05	1.07E-05	2.41	18.20	178	RP1-292L20.1	antisense transcript	chr15	antisense	
ENSG0000047346.11	33676719	02417694	5.99E-13	7.64E-12	0.01	0.04	0.18	041	FAM214A	family with sequence similarity 214, member B	chr15	protein_coding
ENSG0000297965.2	25497441	14825111	1.82E-12	2.23E-11	0.76	0.81	6.34	593	RP1-437B1.1	antisense transcript	chr15	antisense
ENSG000018006.12	1364764	37231698	1.98E-06	2.12E-06	4.18	4.18	1.99	PFAM042	platelet-activating factor acetylhydrolase 2, 40kDa	chr15	protein_coding	
ENSG000011860.12	47359578	-14554304	1.96E-07	2.8E-06	0	0	0.05	01	CEP85L	centrosomal protein 85kDa-like	chr16	protein_coding
ENSG000018040.17	-175723	63702922	5.79E-08	4.60E-08	64.40	56.73	23.53	233	STGALNA2L	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminide alpha-2,6-sialyltransferase 4	chr16	protein_coding
ENSG000025946.11	55630769	00049521	2.45E-10	2.32E-09	0	0	0.47	KOZ0243.1	antisense transcript	chr16	antisense	
ENSG000014508.11	22228462	03302459	8.19E-08	5.55E-07	0.08	0.07	0.33	061	ZNF300	zinc finger protein 300	chr16	protein_coding
ENSG0000273086.11	-2318037	10484274	2.45E-10	2.32E-09	3.76	3.58	0.98	036	RP1-201K1.1	antisense transcript	chr16	antisense
ENSG000027381.11	309783676	-61522287	0.00943890	0.02469931	0.01	0	0.01	008	RP11-305L7.1	antisense transcript	chr16	antisense
ENSG00001043219.9	-52272949	-14452014	4.50E-09	3.61E-08	0.08	0.12	0.01	01	TRPA1	transient receptor potential cation channel, subfamily A, member 1	chr16	protein_coding
ENSG0000182324.6	-10283823	24249694	0.00038989	0.00100457	1.32	1.35	0.91	018	KCNA14	potassium channel, inward rectifying subfamily 1, member 14	chr19	protein_coding
ENSG000013114.16	191491501	14834119	3.09E-08	2.20E-07	0.06	0.16	0.37	069	GALP1P	GALP1 motifs containing 1	chr13	protein_coding
ENSG000012372.12	-14895908	42212447	7.24E-07	4.20E-06	6.71	7.56	3.57	337	THG1L	RNA-motif glycosyltransferase 1-like (S. cerevisiae)	chr13	protein_coding
ENSG000018651.9	19495469	02032719	6.65E-06	3.34E-05	0.13	0.13	0.5	017	ZNF527	zinc finger protein 527	chr19	protein_coding
ENSG0000102108.1	15622458	-0772868	0.00171238	0.00532903	0.12	0.18	0.37	08	PKA2CB	choshchadivinositol 4-kinase type 2 beta	chr14	protein_coding
ENSG00001269720.1	214388032	-1388948	0.00015583	0.00060009	0	0.26	0.49	105	CTD-2521M.1	antisense transcript	chr19	antisense
ENSG0000232494.11	27446479	-22492929	0.0017489	0.00541921	0.1	0.81	0.12	02	ARPC2A1	arrestin domain containing 1	chr14	protein_coding
ENSG0000151320.9	27010682	-15504408	0.00013983	0.00054609	0	0.01	0.03	003	AKAP6	A kinase (PKA) anchor protein 6	chr12	protein_coding
ENSG000018652.13	21151362	21239308	1.98E-10	2.39E-09	0.22	0.51	0.05	10	10-Seq	setin 10	chr14	protein_coding
ENSG000016276.15	33929457	-27077274	5.06E-05	0.00019669	0.01	0.09	0.13	013	MORAB	nucleolar remodeling associated 8	chr14	protein_coding
ENSG0000183875.11	-11415423	40256537	0.00010828	0.00043261	4.9	6.01	34.7	31	SMARCA11	SMN/SMN-related, matrix associated, actin dependent regulator of chromatin, subfamily A-like 1	chr10	protein_coding
ENSG000007150.16	166328239	10382920	6.65E-06	4.90E-07	1.13	1.18	4.82	492	GRP75-AS3	GRP75-AS3 readthrough	chr10	protein_coding
ENSG0000197712.10	-1210986	36510549	1.50E-05	7.09E-05	2.9	4.12	1.98	183	FAM114A1	family with sequence similarity 114, member A1	chr17	protein_coding
ENSG0000174745.5	-1340865	73285298	3.41E-06	1.80E-05	7.24	67.45	0.26	021	C6orf52	chromosome 4 open reading frame 52	chr17	protein_coding
ENSG0000275532.1	-1483209	-108003	0.00054772	0.01613343	0.94	1.17	0.79	022	CTB-58E17.3	antisense transcript	chr17	antisense
ENSG000015066.14	-44867843	00474009	3.92E-17	7.48E-16	0.36	0.33	0.04	0	PROM2	promatin 2	chr19	protein_coding
ENSG000011626.15	-1038455	85074928	1.89E-08	1.38E-07	19.23	19.69	81.89	828	DZAP1	DNAZ-associated protein 1	chr19	protein_coding
ENSG0000204628.10	-18114697	110521133	5.94E-10	5.34E-09	1505.79	1349.59	59.14	529.09	GNBL1	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	chr19	protein_coding
ENSG0000187982.10	51937	15626238	3.09E-06	1.27E-06	16.20	19.69	58.41	79	UCM1205	UCM1205, cyclin D1-defective in cutaneous neoplasia, domain containing 5	chr11	protein_coding
ENSG0000122458.6	237158318	48631338	8.80E-07	6.07E-06	0.09	0.02	0.05	056	TMT13	TMT13, tumor necrosis factor receptor class 3 homolog 5, coreauxilin	chr12	protein_coding
ENSG000013196.12	-13459025	51844684	3.98E-06	2.08E-05	19.72	20.21	9.75	111	TPST1	tyrosylsulfotransferase 1	chr11	protein_coding
ENSG0000278027.11	0346200	10484274	1.62E-06	9.05E-06	0	0	0.12	012	SH2	SH2, SH2 domain containing 12	chr12	protein_coding
ENSG0000185806.12	14709438	20145570	5.38E-05	2.72E-05	0.22	0.23	0.61	106	PI6P	phosphatidylinositol glycan anchor biosynthesis, class P	chr21	protein_coding
ENSG0000101096.18	220065141	-0404534	3.69E-06	1.94E-05	0.04	0.12	0.12	018	HAF2C2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	chr21	protein_coding
ENSG0000128602.7	212489623	212489623	0.00000000	0.00000000	13.46	14.65	0.26	013	GUS2	GUS2, GUS2 family zinc finger 2	chr15	protein_coding
ENSG0000207782.1	271911887	-10677054	5.07E-06	2.60E-05	0.41	0	1.73	21	RP11-775C.2	antisense transcript	chr15	antisense
ENSG0000125691.11	-10006407	96251043	0.00048071	0.00188228	278.22	271.68	17.37	190.18	RLP23	ribosomal protein L23	chr17	protein_coding
ENSG0000101072.17	11000452	04644278	0.00039849	0.00095782	9.42	11.48	0.49	153	C3orf14	zinc finger CCHC-type containing 14	chr15	protein_coding
ENSG0000137572.12	-8372283	-624513	1.25E-16	2.30E-15	0.27	0.05	0	0	SULF1	sulfatase 1	chr8	protein_coding
ENSG0000165629.11	241884417	-10373807	2.21E-07	1.41E-06	0.02	0.06	0.09	045	IC2W	Tandem C2 domains, nuclear	chr14	protein_coding
ENSG0000141124.11	14368102	10002761	0.0002781	0.00020295	0.143	0.15	0.43	053	ZNF41	zinc finger protein 41	chr15	protein_coding
ENSG0000163191.5	-16671328	845722619	1.08E-08	8.20E-08	628.56	830.72	349.77	299.11	S100A11	S100 calcium binding protein A11	chr1	protein_coding
ENSG0000164330.15	10484274	10484274	0.00000000	0.00000000	0.45	0.49	0.09	045	CBF1	casein B-cell factor 1	chr1	protein_coding
ENSG0000123843.11	-76965424	31473605	6.63E-08	5.44E-05	14.02	8.79	0.05	009	C4BPB	complement component 4 binding protein, beta	chr1	protein_coding
ENSG0000231728.3	54404458	-2744732	0.00290522	0.00896312	0	0	0	025	L10NCO1-1	antisense transcript	chr11	antisense
ENSG000008056.11	14842935	-1040683	1.79E-11	7.96E-11	0.26	0.01	0.02	002	DNAI1	dynamin 1	chr11	protein_coding
ENSG0000255337.1	40520064	-1286006	2.06E-07	1.32E-06	0.08	0	0.83	11	RP11-3105E.0	antisense transcript	chr11	antisense
ENSG0000149531.13	-44628729	09018462	2.51E-23	7.69E-22	2.12	3.51	0.25	005	FRG1B	FRSH region gene 1, family, member B	chr12	protein_coding
ENSG000019116.8	10464458	01819293	0.00000000	0.00000000	0.92	0.91	0.21	019	HRK	heparin-binding EGF-like protein 2	chr12	protein_coding
ENSG0000183850.10	228521885	08998937	1.54E-09	1.32E-08	0.04	0.19	0.61	086	NEDD1	neural precursor cell expressed, developmentally down-regulated 1	chr10	protein_coding
ENSG000017488.11	12631898	25540975	4.92E-05	0.00201041	0.42	0.72	1.87	177	FRWB8	F-box and WD repeat domain containing 8	chr12	protein_coding
ENSG0000102042.11	21488417	-10373807	2.21E-07	1.41E-06	0.02	0.06	0.09	045	IC2W	retinol dehydrogenase 11 (alk-trans-9-cis11-cis)	chr16	protein_coding
ENSG0000217555.11	12429843	513386697	2.00E-05	9.00E-05	22.81	17.75	6.22	65.99	OLF	chemokine-like factor	chr12	protein_coding
ENSG000010728.6	41581821	17842075	8.22E-05	0.00000000	0	0	0	005	ARPA1	amyloid beta (A4) precursor protein-binding, family A member 1	chr1	protein_coding
ENSG0000103888.14	274852468	380057526	3.86E-18	7.99E-17	0.46	0.32	3.48	352	CHMP1	cell migration inducing protein, hulkoranin binding domain	chr15	protein_coding
ENSG0000193919.9	-3286662	-10182238	3.09E-08	2.20E-07	0.42	0.05	0.40	0	DNAH5	dyxine, axonemal, heavy chain 5	chr5	protein_coding
ENSG0000183770.5	10086771	10086771	0.00000000	0.00000000	64.43	56.17	10.47	1483	KOZ17	antisense transcript	chr15	antisense
ENSG0000231263.1	19311269	-1358623	0.00063030	0.00200887	0.32	0	0.64	106	AC123886.2	antisense transcript	chr14	antisense
ENSG0000189070.9	-33101103	-0526283	1.01E-09	8.82E-09	0.02	0.04	0	0	RLR2	ribonucleon leucine rich transmembrane protein 2	chr14	protein_coding
ENSG0000193177.15	1826929	04644278	0.00000000	0.00000000	0.98	0.98	0.26	039	IC2L48	zinc finger CCHC-type containing 48	chr15	protein_coding
ENSG0000202891.1	299529641	-6274505	0.00943894	0.02469931	0	0.05	0.18	046	RP3-476K3.3	antisense transcript	chr11	antisense
ENSG0000121465.6	-15359821	61448882	1.53E-07	1.00E-06	90.78	85.59	43.09	380.82	ARL7	ADP-ribosylation factor-like 2	chr11	protein_coding
ENSG0000191198.8	-31112723	9296252	1.03E-06	0.0023742	0.4	0.06	0.08	0	CASC19	cancer susceptibility candidate 19 (non-protein coding)	chr11	antisense
ENSG0000071425.8	-18476241	48509427	5.51E-10	4.98E-09	24.97	21.3	8.82	831	ZNF581	zinc finger protein 581	chr19	protein_coding
ENSG0000127861.3	23856956	-9672566	3.95E-05	0.00017233	0.03	0.09	0.42	037	CFAP53	clita and flagella associated protein 53	chr18	protein_coding
ENSG0000151898.8	19391667	19391667	0.00000000	0.00000000	6.09	6.09	3.02	652	CFAP53	guanine monophosphate reductase	chr18	protein_coding
ENSG0000204477.4	-10097298	370715429	0.00064818	0.00222098	7.61	6.99	5.54	409	NAT6	N-acetyltransferase 6	chr18	protein_coding
ENSG000008060.10	10484274	10484274	0.00000000	0.00000000	3.63	3.63	1.81	001	CAH1	calcium homeostasis modulator 1	chr12	protein_coding
ENSG000015168.17	10444485	088920406	0.00288777	0.00879425	0.12	0.08	0.18	038	NRC1	neurexin 1	chr8	protein_coding
ENSG0000187808.4	53586893	097973834	3.32E-25	1.18E-23	0.03	0.05	2.66	239	SOX4HD	sox4 homolog, rat-specific domain family member D	chr19	protein_coding
ENSG0000130255.11	10086771	10086771	0.00000000	0.00000000	507.19	506.69	29.7	290.75	CAH2	calcium homeostasis modulator 2	chr15	protein_coding
ENSG0000202895.10	-16143207	42898329	5.84E-08	4.05E-07	11.88	11.29	5.97	041	CHAC1	ChaC diltiazem-specific domain alpha-utaman/cytoskeleton	chr19	protein_coding
ENSG000013368.14	20187812	15170419	6.63E-09	5.23E-08	0.09	0.13	0.42	08	ZFCP1	zinc finger, CPH1-type containing	chr17	protein_coding
ENSG0000163896.8	14802734	-0748436	9.02E-12	4.29E-11	0.49	0.69	0.7	043	LPH1	leucine-rich protein 1	chr12	protein_coding
ENSG0000171532.4	53244903	-2821228	0.00290522	0.00896312	0	0	0.03	012	NEUROD2	neuronal differentiation 2	chr17	protein_coding
ENSG000017826.6	322180013	-1156228	1.35E-10	1.37E-09	0.18	0.07	0.07	085	MIR693X	MAS-related GFR, member X3	chr11	protein_coding
ENSG0000186157.12	1936											

ENSG0000024659.6	1.0263624	5.3447156	0.00039184	0.00139818	27.36	26.08	15.46	19.6	TBCD	tubulin folding cofactor	chr6	protein_coding	
ENSG0000273034.1	6.3707282	2.8666312	0.00000000	0.00000000	0.0	0.0	0.0	0	RP11-1756K6.1		TEC	protein_coding	
ENSG0000015740.18	1.92718826	3.2136122	5.71E-10	5.14E-09	0.25	0.4	1.44	1.85	DYRK1A	dual-specific tyrosine-(Y)-phosphatase regulated kinase 1A	chr21	protein_coding	
ENSG0000021538.2	-4.475733	-0.518271	8.36E-14	1.18E-12	0.06	0.06	0.0	0	MUC5AC	mu5in 5AC, oligomeric mucous/gel-forming	chr11	protein_coding	
ENSG0000073969.17	3.835858	3.615036	1.83E-05	1.79E-05	5.89	5.89	1.76	5.89	KIF5B	N-ethylmaleimide-sensitive factor	chr12	protein_coding	
ENSG0000005631.13	4.3181282	3.36826934	8.74E-34	4.83E-32	0.09	0.12	3.08	2.55	RRFB3	ret-β receptor tyrosine kinase	chr12	protein_coding	
ENSG0000247446.4	6.33097282	2.1624822	8.95E-06	4.38E-05	0.0	0.0	0.08	0.07	USP51	ubiquitin specific peptidase 51	chrX	protein_coding	
ENSG0000156709.12	0.0198484	6.8613753	0.00000000	0.00000000	41.24	38.1	24.2	26.1	ARAF1	arctin-inducible factor, mitochondrial-associated.1	chr4	protein_coding	
ENSG0000115333.9	-6.43E-4995	-2.265336	5.19E-06	2.66E-05	0.04	0.06	0.0	0	TACR1	tachykinin receptor 1	chr4	protein_coding	
ENSG0000197361.3	1.2228925	3.1651036	5.31E-05	0.0002336	1.93	0.96	2.86	4.21	TNND3	tumor necrosis factor receptor type III	chr3	protein_coding	
ENSG0000046401.15	6.292633	8.0131408	5.45E-06	2.78E-05	0.95	1.19	6.14	181.99	CTSA	cathionin 2	chr10	protein_coding	
ENSG0000289564.1	1.3788992	-1.084627	0.0024203	0.0038062	0.78	0.25	1.2	2.22	MAN2C1	mannosidase, alpha class 2C, member 1	chr15	crossed transcript	
ENSG000027724.1	181.88487	0.3174108	5.45E-06	2.78E-05	0.95	1.19	6.14	4.07	HIST1H2BF	histone cluster 1, H2b family 2, beta	chr6	protein_coding	
ENSG0000045241.9	2.8986544	0.3404902	4.23E-11	4.41E-10	0.02	0.04	0.18	0.46	CNCPK	centromeres protein C	chr12	protein_coding	
ENSG0000257509.1	3.496945	-2.3667948	0.0011221	0.0036442	0.0	0.05	0.42	0.51	RP11-762T.1		chr12	sense_intronic	
ENSG0000020374.9	0.95601	6.5782226	0.00000000	0.00000000	50.29	59.01	20.02	42.2	PPP2R2	serine/threonine kinase receptor associated protein receptor accessory protein 2	chr10	protein_coding	
ENSG0000016547.11	1.5547512	3.29202346	3.50E-07	2.17E-06	0.58	0.96	2.29	3.73	REEF3	reefite	chr10	protein_coding	
ENSG0000049666.12	-1.1081664	9.0629204	0.0001147	0.0004549	237.63	235.33	143.19	149.28	CLP1M1L	CLP1M1-like	chr10	protein_coding	
ENSG0000117616.16	2.1961322	3.2136122	2.91E-12	3.14E-14	0.02	0.24	0.0	0.1	RRP1	arginine-rich protein 1	chr1	protein_coding	
ENSG0000018379.8	1.3170467	2.69363074	2.13E-05	9.71E-05	0.66	1.11	2.89	2.96	WNF3	wntless-type MMTV intracellular site, member 3	chr17	protein_coding	
ENSG0000209082.1	2.1945122	2.2482143	3.00E-11	3.19E-10	12.84	23.05	109.34	109.93	MT-1L1	metallothionein endonuclease 1 (UUA/G)	chr17	lncRNA	
ENSG0000026498.1	0.00717921	-2.9832031	0.0038165	0.0148981	0.0	0.0	0.3	0.08	RP11-45M2.2		chr17	antisense	
ENSG0000027973.1	-0.887297	-2.443399	0.0002674	0.0002674	0.61	0.05	0.05	0.0	KB-1125A3.1		chr22	antisense	
ENSG0000157111.11	2.3506361	2.8195652	2.94E-13	3.89E-12	1.27	1.13	7.78	6.7	TNMM1T1	transmembrane protein 171	chr2	protein_coding	
ENSG0000103303.13	1.8260896	2.9959242	1.83E-20	3.76E-19	5.49	5.49	5.49	47.56	FXYD2	FAB-dependent oxidoreductase domain containing 2	chr2	protein_coding	
ENSG0000117697.13	10.2294872	1.50657897	0.00203474	0.0062929	0.44	0.41	0.93	1.4	NSL1	NSL1, MIS12 kinetochore complex component	chr15	protein_coding	
ENSG0000013831.11	3.4002847	3.1307903	1.08E-23	3.42E-22	0.01	0.16	1.14	2.41	REK2	retinoblastoma kinase 2	chr14	protein_coding	
ENSG00000186497.7	-6.011825	1.2174639	1.95E-32	1.01E-30	0.7	0.73	0.0	0.03	GNCG2	guanine nucleotide binding protein (G protein), gamma 2	chr14	protein_coding	
ENSG0000174791.9	-2.9473282	6.7281532	6.64E-22	1.84E-20	56.7	0.9	9.43	89.1	RN1L	Ras and Rab interactor 1	chr11	protein_coding	
ENSG0000016151.11	5.8249952	0.3238918	1.87E-17	5.13E-16	0.0	0.41	0.0	0.3	ZNF577	zinc finger protein 577	chr19	protein_coding	
ENSG0000048356.12	-1.8784515	5.8475034	1.95E-10	1.87E-09	21.41	21.07	4.96	7.74	LSAM1	leucine rich repeat and sterile alpha motif containing 1	chr9	protein_coding	
ENSG0000016315.10	-1.4549956	4.60412578	8.13E-07	4.74E-06	11.42	11.57	5.18	5.36	LYSMD1	lysyl, putative peptidase-binding, domain containing 1	chr1	protein_coding	
ENSG0000274871.1	1.8240192	0.9611729	3.81E-07	3.35E-06	0.0	0.0	0.0	0.1	RP11-491J1.1		chr1	protein_coding	
ENSG0000027091.1	6.63760135	-1.9587476	6.25E-07	3.72E-06	0.0	0.0	0.8	0.4	RP11-780T.1		chr1	protein_coding	
ENSG0000026498.1	-1.55606	5.337424	0.00028786	0.00032018	68.67	63.65	46.96	37.71	HIC1	HIC1, hypoxia inducible domain family, member 2A	chr17	lncRNA	
ENSG0000235315.1	-7.3096941	-1.576721	1.11E-09	9.61E-09	0.07	1.09	0.0	0	LINC01518	long interspersed non-protein coding RNA 1518	chr10	lncRNA	
ENSG0000016530.12	1.68590064	2.18489056	2.00E-07	1.28E-06	0.51	1.44	3.26	5.08	RRP11B	pre-mRNA processing factor 18	chr10	protein_coding	
ENSG0000177225.15	2.145126	5.932794	1.83E-07	1.33E-06	24.51	24.51	24.51	24.51	PCP4	Parkin disease 7 domain containing 1	chr11	protein_coding	
ENSG0000017129.8	-2.3148144	3.06688801	2.69E-13	3.57E-12	11.38	6.01	2.32	2.35	EDN2	endothelin 2	chr10	protein_coding	
ENSG0000115414.17	-4.2189588	10.4005471	7.54E-39	5.40E-37	228.81	232.05	167	159.6	FN1	fibronectin 1	chr2	protein_coding	
ENSG0000020625.11	5.8077289	3.6848486	1.82E-08	1.2E-07	1.2	1.2	4.52	6.17	DDX18	DEAF1-Asp1-Asp2 domain polypeptide 18	chr1	protein_coding	
ENSG0000030967.5	2.1824813	-1.4858108	0.00061439	0.00211279	0.03	0.07	0.33	0.33	CEBPE	CCAAT/enhancer binding protein (CREB), epsilon	chr14	protein_coding	
ENSG0000016335.16	3.7752041	0.1349456	1.17E-13	1.62E-12	0.02	0.03	0.17	0.12	SGO2L	SGO2-like 2 (S. pombe)	chr14	protein_coding	
ENSG0000027015.14	1.2149443	-2.8887738	0.0026345	0.0148881	0.24	0.24	0.24	0.21	RP11-419B17		chr1	antisense	
ENSG00000174405.12	3.1748261	-1.950396	0.0001627	0.00026431	0.01	0.06	0.1	0.11	LIG4	ligase IV, DNA, ATP-dependent	chr13	protein_coding	
ENSG0000026566.2	1.82746309	-0.0971525	1.91E-05	8.80E-05	0.07	0.15	0.54	0.5	RP11-206G.3		chr16	3prime_overlapping_ncrna	
ENSG0000016931.8	0.089636	2.9713861	0.00000000	0.00013409	1.52	1.52	4.2	5.2	SCLY52	solute carrier family 5, member G2	chr17	protein_coding	
ENSG0000011880.11	1.2702656	6.69881273	1.12E-05	5.38E-05	30.36	33.94	90.13	117.11	MYL12B	myosin, light chain 12B, regulatory	chr18	protein_coding	
ENSG0000018707.13	2.2714454	0.330726	1.32E-07	1.13E-06	0.0	0.0	0.0	0.2	CFP290	centrosomal protein 290kDa	chr12	protein_coding	
ENSG0000012304.9	1.1183345	4.5288083	0.00012399	0.00050989	5.05	6.6	35.1	3.63	ACOT13	acyl-CoA thioesterase 13	chr10	protein_coding	
ENSG00000187601.4	-3.2389826	-2.2710156	0.0018825	0.0039312	0.16	0.16	0.02	0.02	MAGEH1	melanoma antigen family H1	chrX	protein_coding	
ENSG0000018539.7	1.821293	-1.0904497	4.5E-06	1.57E-07	0.07	0.07	0.0	0.0	ICN1	interleukin 13 receptor 1	chr22	protein_coding	
ENSG00000133083.13	-4.3861857	-1.4146018	2.42E-08	1.75E-07	0.04	0.07	0.01	0.0	DCLX1	dolichosialin-like kinase 1	chr10	protein_coding	
ENSG00000188956	-2.9691886	-0.9149711	1.36E-07	8.92E-07	0.67	0.21	0.08	0.07	FAM78B	family with sequence similarity 78, member B	chr1	protein_coding	
ENSG0000234171.2	1.8541493	2.891894	1.83E-07	1.36E-09	11.4	4.4	1.5	1.85	RNASEH1A	RNASEH1A	chr14	protein_coding	
ENSG0000029108.19	2.0963144	1.63638382	1.19E-09	1.03E-08	0.44	0.32	1.68	2.68	SCFD1	scf1 family domain containing 1	chr14	protein_coding	
ENSG0000026871.13	2.2497611	0.5307282	5.79E-08	4.01E-07	0.19	0.29	1.04	2.01	CTC444N2.4		chr19	lncRNA	
ENSG0000010999.12	1.5447719	0.4293498	1.74E-07	1.13E-06	0.1	0.1	0.0	0.0	NPFR4B	peripheral myelin protein 22	chr19	protein_coding	
ENSG0000214840.7	-4.8073987	-3.2306674	0.00189873	0.0419567	0.03	0.07	0.0	0.0	NPFR4B	nuclear pore complex interacting protein, member 8B	chr19	protein_coding	
ENSG0000014493.12	1.6267895	2.9713861	0.00000000	0.00000000	0.0	0.0	0.0	0.0	DMO2L2	dysembryonic ectodermic protein 2	chr15	protein_coding	
ENSG0000007948.12	1.0605965	1.7752262	0.00104254	0.00041232	0.21	0.23	0.55	0.69	OPHN1	oligohemerynin	chr10	protein_coding	
ENSG0000277971.11	1.4062639	1.0727376	1.91E-05	8.80E-05	2.49	1.85	7.26	8.16	XOACB-8562.1		chr22	protein_coding	
ENSG00000186767.3	2.952910	4.9318865	2.35E-09	1.89E-06	0.07	0.11	1.1	1.1	ARID2	arctin-inducible domain family, member 2	chr19	protein_coding	
ENSG00000183649	-4.7336662	-1.8404509	1.01E-06	5.80E-06	0.04	0.08	0.01	0.0	ZNF813	zinc finger protein 813	chr19	protein_coding	
ENSG00000189079.14	1.89884473	1.6219709	2.81E-08	2.02E-07	0.11	0.12	0.57	0.58	ARID2	AT rich interactive domain 2 (ARID, RFX-like)	chr12	protein_coding	
ENSG0000131334.9	1.6218493	2.952910	2.35E-09	1.89E-06	0.07	0.11	1.1	1.1	HINT2	histone H2B nucleotide binding protein 2	chr19	protein_coding	
ENSG0000023563.2	5.3392707	-2.8158158	0.0029522	0.0086312	0.0	0.0	0.0	0.1	NOO2-1-AS1	NOO2-1 antisense RNA 1	chr14	antisense	
ENSG0000056548.16	10.7108307	3.6621449	0.00031301	0.0011536	2.76	3.38	5.56	11.77	ZC3H15	zinc finger CCHC-type containing 15	chr2	protein_coding	
ENSG0000013948.10	0.0054229	0.00021598	0.00000000	0.00133091	1.64	1.64	1.64	1.64	ITGA4	integrin alpha 4	chr10	protein_coding	
ENSG00000279406.1	1.6802162	2.10959701	2.30E-07	1.46E-06	0.77	0.76	3.52	2.99	RP11-327E2		chr10	TEC	
ENSG00000198816	10.40489	1.3574481	1.73E-38	1.21E-36	2.42	2.42	2.42	2.28	194	ATP2A3	ATPase, Ca++ transporting, ubiquitous	chr17	protein_coding
ENSG00000157016	-3.219644	5.570126	1.82E-06	1.39E-05	14.59	13.02	1.28	1.94	ATP2A3	ATPase, Ca++ transporting, ubiquitous	chr17	protein_coding	
ENSG0000017609.4	8.2761737	-0.559313	4.08E-15	6.58E-14	0.0	0.41	0.4	0.46	SPB5A	sp1/Arp2/3 domain receptor domain and SOCS box containing 4	chr10	protein_coding	
ENSG0000017581.11	6.9412309	0.9611729	3.81E-07	3.35E-06	0.0	0.0	0.0	0.2	IF3A	eukaryotic translation initiation factor 3, subunit A	chr10	protein_coding	
ENSG0000017045.11	-1.0737721	7.6186959	0.00018753	0.00071119	44.63	39.36	2.54	27.85	HARS	histidyl-tRNA synthetase	chr10	protein_coding	
ENSG00000099824.12	9.0744289	4.8201563	1.61E-79	1.04E-76	0.05	0.03	0.71	30.34	H2AFY2	H2A histone family, member Y2	chr10	protein_coding	
ENSG00000139319.11	4.78667	2.9713861	2.35E-09	1.89E-06	0.07	0.11	1.1	1.1	SPRME2	serine prolyl methylase 2	chr10	protein_coding	
ENSG0000018777.9	4.36185332	0.5079062	2.98E-18	6.25E-17	0.04	0.0	0.58	0.55	ABC2G	ATP-binding cassette, subfamily G (WHITE), member 2 (Junior blood auro)	chr10	protein_coding	
ENSG0000020370.11	1.9631564	-0.8781721	0.0002466	0.00091688	0.03	0.06	0.11	0.39	GORAB	golgin, RAB6-interacting	chr1	protein_coding	
ENSG0000011704.13	3.83159	0.6594943	7.49E-08	5.17E-07	0.0	0.0	0.0	0.39	MTX2	metaxin 2	chr1	protein_coding	
ENSG0000003178.11	2.3427245	1.0926649	3.3										

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	
ENSG00000197496.1	0.8867916	1.1000000	1.36E-05	0.0003357	0.05	0.11	0.26	0.88	RP11-312B8	...	chr8	antisense	
ENSG00000198402.10	2.043749	2.23665741	4.36E-10	4.01E-09	0.2	0.12	0.66	1.13	PHF3	PHD finger protein 3	chr1	protein_coding	
ENSG00000208955.1	5.9464701	0.4627875	0.0008654	0.00288128	0	0	0.83	0.31	RP11-361C1	...	chr15	IG_V_gene	
ENSG00000243616.1	0.24162	0.34022	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.06	RTCA-AS1	RTCA antisense RNA 1	chr1	antisense	
ENSG00000060749.13	2.731449	1.57393631	4.08E-14	5.93E-13	0.07	0.05	0.08	0.73	QSER1	glutamine and serine rich 1	chr11	protein_coding	
ENSG00000171236.9	-3.797177	-2.5038685	0.0012121	0.0036442	0.07	0.06	0.01	0	LRG1	leucine-rich alpha-2-glycoprotein 1	chr19	protein_coding	
ENSG0000013007.16	5.444868	1.5494716	6.47E-05	0.0002804	3.61	29.84	22.97	25.84	PCP2	cholesterol-binding protein N-methyltransferase	chr19	protein_coding	
ENSG0000043473.10	-3.1977559	-1.068132	5.06E-12	5.88E-11	0.11	0.22	0.01	0.03	KCNH1	potassium channel voltage gated eeg related subfamily H, member 1	chr1	protein_coding	
ENSG0000050499.11	1.4742929	1.5162226	1.19E-05	6.69E-05	0.36	0.59	1.33	1.22	DEPFC1B	DEF domain containing 1B	chr10	protein_coding	
ENSG00000159355.14	1.011789	0.0026284	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	194.92	PTMS	putative transcription factor	chr12	protein_coding	
ENSG00000182422.11	-5.0206302	-1.3036986	0.0010455	0.00282742	0.06	0.07	0	0	CYP2C1B	cytochrome P450, family 2, subfamily C, polypeptide 1B	chr10	protein_coding	
ENSG0000017906.12	2.9553523	4.969929	3.63E-19	3.07E-19	0.79	1.1	6.34	122.9	KOZ1	reticulocalbin 2, EF-hand calcium binding domain	chr1	protein_coding	
ENSG0000048848.13	-2.324281	3.2956631	1.17E-13	1.61E-12	1.1	184	0.3	0.48	ADAM12	ADAM metalloproteinase domain 12	chr10	protein_coding	
ENSG00000149273.13	-2.116623	1.1805863	8.51E-13	1.07E-11	99.3	85.9	296.24	27.62	RPS3	ribosomal protein S3	chr1	protein_coding	
ENSG0000016025.13	7.1977764	1.4908285	9.47E-07	1.55E-08	0	0	0.14	0.09	999	spleen tyrosine kinase	chr9	protein_coding	
ENSG0000021496.11	-2.138367	3.8215532	5.53E-12	6.41E-11	1.85	1.7	0.56	0.51	TREBF1	transcriptional regulating factor 1	chr22	protein_coding	
ENSG00000244936	5.9430985	-2.428306	0.0001482	0.00057423	0	0	0.09	0.24	AC006547.4	...	chr22	protein_coding	
ENSG00000179516.1	-1.639205	-2.4395864	4.74E-05	0.00020031	0.11	0.12	0	0	FAM203C	family with sequence similarity 230, member C	chr13	processed_transcript	
ENSG00000137273.3	-1.118132	4.8677855	0.0001324	0.00052191	15.15	14.37	8.06	10.2	FOXZ2	forkhead box F2	chr10	protein_coding	
ENSG00000144369.11	6.0299572	-1.9545337	1.05E-06	6.02E-06	0	0	0.05	0.06	FAM171B	family with sequence similarity 171, member B	chr12	protein_coding	
ENSG0000015946.13	1.8642226	1.3247568	0.0027243	0.00317996	0.03	0.02	0.14	0.08	ACEA	alkaline ceramidase 3	chr11	protein_coding	
ENSG00000078124.10	2.2760238	2.376787	4.05E-12	4.75E-11	0.16	0.22	0.94	1.5	ACER3	T-cell acute lymphocytic leukemia 1	chr11	protein_coding	
ENSG00000162367.10	5.9837061	2.4619889	8.36E-05	0.00034952	0.03	0.09	0.19	0.14	0.64	RP11-258C11	...	chr1	protein_coding
ENSG00000170189.11	2.3619389	0.9719169	5.44E-05	0.00022654	0.03	0.09	0.19	0.14	0.64	RP11-258C11	...	chr1	protein_coding
ENSG00000178315.11	-2.9917674	3.0140847	8.85E-20	2.09E-18	9.53	8.7	1.68	1.37	CTNNA1	cortactin 1	chr19	protein_coding	
ENSG00000103371.14	1.0270378	7.8003119	0.0004857	0.00125643	24.07	23.76	62.11	61.61	TMS64	transmembrane 9 superfamily protein member 4	chr19	protein_coding	
ENSG00000128214.14	1.1666265	2.6759865	0.0001547	0.00059573	0.67	0.62	1.63	2.26	GZF1	GNDF-inducible zinc finger protein 1	chr20	protein_coding	
ENSG0000017901.18	6.0313428	-2.72312	8.36E-05	0.00034652	0	0	0.04	0.07	KOPEP	...	chr5	protein_coding	
ENSG0000018189.6	-1.950219	-2.2788294	0.0054803	0.02266235	0.01	0.01	0.01	0.01	PLAG2	pluriomorphogenic adenoma gene 2	chr1	protein_coding	
ENSG00000106772.16	-5.6609181	-2.781379	0.0008654	0.00283128	0	0.02	0	0	PRUNE2	prune homolog 2 (Drosophila)	chr9	protein_coding	
ENSG0000044995.8	2.1207905	1.873336	3.69E-10	3.43E-09	0.15	0.31	0.83	1.84	NCFH1	neuronal cholesterol ester hydrolase 1	chr19	protein_coding	
ENSG00000135116.6	-1.985193	5.098194	3.96E-18	1.47E-14	24.15	45.45	1.62	7.92	GRP115	glucosyl transferase protein 15	chr19	protein_coding	
ENSG00000180004.8	-1.211003	0.0065561	0.0013234	0.00319779	0.4	0.48	0.31	0.2	C1orf204	chromosome 1 open reading frame 204	chr1	protein_coding	
ENSG0000019732.2	2.5510199	0.6636667	0.0010455	0.00048503	0.03	0.03	0.11	0.13	ZNF353	zinc finger protein 353, pseudogene	chr19	lincRNA	
ENSG000005036.15	1.2404915	6.5330914	1.75E-05	8.29E-05	61.66	54.02	31.65	32.92	HMS1A	HAUS augmin-like complex subunit 4	chr14	protein_coding	
ENSG0000016632.14	1.5121234	1.9779565	3.35E-06	1.78E-05	1	1.69	3.69	6.55	C11orf74	chromosome 11 open reading frame 74	chr11	protein_coding	
ENSG00000178986.14	1.0000007	0.0000000	0.0000000	0.0000000	0.01	0.14	0.01	0.21	MSI1	MSI2-related genomic instability protein 1	chr19	protein_coding	
ENSG00000196429.9	-1.8138669	8.1555892	5.93E-10	5.33E-09	71.26	64.97	26.16	25.47	PPP1R26	protein phosphatase 1, regulatory subunit 26	chr9	protein_coding	
ENSG0000017138.16	-1.4573324	1.9398746	1.14E-06	6.50E-06	3.62	3.99	1.71	1.99	ARHGFB39	Rho guanine nucleotide exchange factor (GEF) 39	chr9	protein_coding	
ENSG0000018189.6	1.9184969	3.784012	9.64E-07	9.80E-06	0.17	0.24	0.44	0.44	AC012804.4	...	chr19	protein_coding	
ENSG0000027639.1	1.3950761	-0.9734698	0.0072374	0.0194932	0.14	0.55	1.48	0.97	RP11-66B24	...	chr15	processed_transcript	
ENSG00000131033.15	3.7529136	-0.4514863	4.22E-11	4.40E-10	0.02	0	0.13	0.23	COG6	component of oligomeric golgi complex 6	chr13	protein_coding	
ENSG0000024587.11	1.7181949	1.8120199	1.87E-07	1.63E-07	1.23	0.91	1.47	1.42	CTB-129304.1	...	chr1	antisense	
ENSG00000141837.17	-2.3509979	-0.3346559	4.27E-07	2.62E-06	0.13	0.09	0.03	0.03	0.02	CACNA4	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	chr19	protein_coding
ENSG00000279133.11	8.2067973	-0.678485	1.56E-14	2.37E-13	10	0	0.41	0.21	RP11-342K2	...	chr1	TEC	
ENSG0000025091.5	1.1329496	-0.451084	9.64E-07	6.81E-05	0.05	0.07	0.16	0.21	TMS64A	TMS64 subfamily A	chr19	antisense	
ENSG00000161639.9	-3.824841	9.9241803	2.22E-33	1.21E-31	243.84	213.25	22.55	20.99	TGAs	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	chr12	protein_coding	
ENSG00000131979.17	1.8482718	10.63314	2.91E-10	2.74E-09	354.38	380.72	1796.18	1721.94	KR17	GTP cyclohydrolase 1	chr17	protein_coding	
ENSG00000128284.18	2.9308205	3.5610242	9.63E-20	2.26E-18	0.51	0.62	5.96	5.58	AP0L3	apolipoprotein L3	chr12	protein_coding	
ENSG0000016737.15	2.2597404	1.68E-07	0.0000000	0.0000000	0.03	0.03	0.03	0.03	ZNF2833	zinc finger protein 2833	chr19	protein_coding	
ENSG00000205476.7	-1.1130399	5.9743639	0.0001711	0.0006441	4.34	3.86	2.37	2.69	CDC85C	coiled-coil domain containing 85C	chr14	protein_coding	
ENSG00000202287.11	3.9877747	0.3596675	6.38E-16	1.10E-14	0.02	0.01	0.17	0.55	RBI1C1	RBI1-inducible coiled-coil 1	chr17	protein_coding	
ENSG00000149209.10	1.1777988	2.9341938	1.82E-06	3.95E-05	1.6	1.68	1.81	1.68	NKX1	nanos-like homeobox 1	chr1	protein_coding	
ENSG00000266074.7	1.3242714	4.6607985	6.87E-06	3.45E-05	1.05	0.86	3.04	3.34	BHCC1	BAH domain coiled-coil containing 1	chr18	protein_coding	
ENSG00000250509.1	-6.230736	-0.5500973	2.41E-17	4.29E-16	1.66	0.95	0.04	0	CTC-5Z018	...	chr5	lincRNA	
ENSG00000136136.14	1.2181714	4.8811485	4.88E-10	2.36E-12	1.02	1.13	0.32	2.41	MMP2	matrix metalloproteinase 2	chr19	protein_coding	
ENSG00000272323.2	3.6249312	-1.173145	1.97E-07	1.67E-06	0	0.08	0.83	0.63	PR3-02511	...	chr22	antisense	
ENSG00000196409.10	1.8604805	0.0000000	0.0000000	0.0000000	0.03	0.03	0.03	0.03	ADAM12	ADAM metalloproteinase domain 12	chr10	protein_coding	
ENSG00000115520.7	1.2851667	1.9703809	7.93E-05	0.00030568	0.6	0.81	1.48	3.11	COO10B	coenzyme O10 homolog B (S. cerevisiae)	chr19	protein_coding	
ENSG00000188813.5	2.0655098	1.4604776	3.34E-09	2.74E-08	0.1	0.12	0.6	0.59	ZNF507	zinc finger protein 507	chr19	protein_coding	
ENSG00000166888.11	1.8594459	1.0000000	1.12E-05	1.26E-05	0.44	0.44	0.44	0.17	SRD13	serpin domain containing 13	chr19	protein_coding	
ENSG00000116793.5	2.2450064	-0.2923772	3.31E-07	2.06E-06	0.1	0.03	0.6	0.42	PTPBG	protein tyrosine phosphatase, non-receptor type 6	chr12	protein_coding	
ENSG00000068796.15	1.4704203	2.1035624	4.66E-06	2.42E-05	0.5	0.49	1.29	2.44	KIF2A	kinesin heavy chain member 2A	chr5	protein_coding	
ENSG00000380037.8	1.8954467	3.9831007	9.67E-07	3.78E-07	10.02	8.38	0.2	0.02	SIC127AS	SIC127 (fat2) actin transporter, member 5	chr19	protein_coding	
ENSG00000260273.1	2.0603397	-1.9870458	0.0059683	0.0249874	0	0.13	0.22	0.5	RP11-4Z5D1	...	chr6	antisense	
ENSG00000068796.15	1.4704203	2.1035624	4.66E-06	2.42E-05	0.5	0.49	1.29	2.44	KIF2A	kinesin heavy chain member 2A	chr5	protein_coding	
ENSG00000380037.8	1.8954467	3.9831007	9.67E-07	3.78E-07	10.02	8.38	0.2	0.02	SIC127AS	SIC127 (fat2) actin transporter, member 5	chr19	protein_coding	
ENSG00000260273.1	2.0603397	-1.9870458	0.0059683	0.0249874	0	0.13	0.22	0.5	RP11-4Z5D1	...	chr6	antisense	
ENSG0000017188.11	6.0767033	-2.529894	4.74E-05	0.00020301	0	0	0.269	0.65	NNVU1-19	RNA variant U1 small nuclear RNA	chr1	snRNA	
ENSG0000014129.16	1.5172919	4.2380038	1.27E-10	1.06E-09	0.6	0.6	1.67	2.19	TRAF3IP2	transmembrane factor 3 (TRAF3 dimerization partner) 2	chr19	protein_coding	
ENSG0000027096.1	6.1190765	-2.3132648	4.74E-05	0.00020301	0	0	0.267	2.52	RNU6-10P	RNA U6 small nuclear RNA, pseudogene	chr19	snRNA	
ENSG0000017881.11	1.0624028	2.6593958	1.24E-06	8.21E-07	0.19	0.26	0.78	1.19	ATIP1	activating transcription factor 7 interacting protein	chr12	protein_coding	
ENSG00000167978.8	-1.985193	5.098194	3.96E-18	1.47E-14	24.15	45.45	1.62	7.92	GRP115	glucosyl transferase protein 15	chr19	protein_coding	
ENSG00000131724.9	1.2042023	4.8671575	2.17E-05	9.98E-05	3.34	3.22	9.11	11.62	IL13RA1	interleukin 13 receptor, alpha 1	chr10	protein_coding	
ENSG00000131724.9	1.2042023	4.8671575	2.17E-05	9.98E-05	3.34	3.22	9.11	11.62	IL13RA1	interleukin 13 receptor, alpha 1	chr10	protein_coding	
ENSG00000184110.13	-1.4693544	2.7247499	4.17E-07	2.56E-06	3.05	3.05	2.22	1.61	PTGFB	platelet-derived growth factor receptor, beta polypeptide	chr16	protein_coding	
ENSG0000017842.13	-1.4465514	3.1444725	1.86E-06	1.03E-05	3.06	4.3	1.79	1.85	RXV5	retaxovirus hemofusion 5	chr16	protein_coding	
ENSG0000017882.13	1.4465514	3.1444725	1.86E-06	1.03E-05	3.06	4.3	1.79	1.85	RXV5	retaxovirus hemofusion 5	chr16	protein_coding	
ENSG0000002587.8	-4.2536355	-1.0633472	1.47E-10	1.44E-09	0.09	0.08	0.01	0	HSS3T1	heparan sulfate (alphaamino) 3-O-sulfotransferase 1	chr14	protein_coding	
ENSG0000017812.18	3.												

ENSG0000013054.4	9.726928	0.77797979	1.89E-20	2.18E-27	0	0	0.8	0.92	FAM155B	family with sequence similarity 155, member B	chrX	protein_coding
ENSG0000013157.0	1.5889499	1.9894799	6.6857676	4.81E-05	1.52E-07	0.19	0.8	1.24	IGN	inhibitor of growth factor 1	chr10	protein_coding
ENSG0000012328.20	1.5989479	0.68057676	1.99E-05	8.70E-05	0.04	0.07	0.18	0.24	RAB39P	RAB39 interacting protein	chr12	protein_coding
ENSG0000027850.1	8.06318466	0.7488882	1.77E-13	2.40E-12	0	0	0.3	0.32	AC009336.19	...	chr10	protein_coding
ENSG0000018862.16	1.398169	1.6882998	0.0000000	0.0000000	0.92	0.02	0.02	0.02	POZ	POZ domain containing 7	chr10	protein_coding
ENSG0000010187.13	-1.171865	1.2887183	0.0039609	0.0014171	0.22	0.38	0.1	0.2	MDM1	mdm1	chr2	protein_coding
ENSG0000017042.11	-3.9717868	-0.972282	3.35E-10	3.12E-09	0.18	0.31	0	0.04	KRT78	keratin 78, type II	chr12	protein_coding
ENSG0000016019.17	1.6364932	1.4934932	0.0000000	0.0000000	0.69	0.8	0.8	0.45	AKC11	ATP-binding cassette, sub-family G (WHITE), member 1	chr3	protein_coding
ENSG0000017311.9	3.2674109	2.5694476	4.26E-11	1.12E-19	0.11	0.11	0.11	1.75	ZBTB38	zinc finger and BTB domain containing 38	chr3	protein_coding
ENSG0000015382.10	1.3374474	2.4998123	1.62E-05	8.44E-05	1.4	1.59	3.84	6.24	FANCL	Fanconi anemia, complementation group L	chr2	protein_coding
ENSG0000027898.1	-1.655497	5.594722	1.85E-05	4.11E-19	4.9	4.72	0.02	4.3	RP11-626G1	...	chr16	protein_coding
ENSG0000021411.39	-1.1714155	4.95138673	6.14E-05	0.00202794	3.22	3.1	1.87	1.87	LYRM4	lyrin motif containing 4	chr2	protein_coding
ENSG0000018918.12	-1.655497	5.594722	1.85E-05	4.11E-19	4.9	4.72	0.02	10.61	ZNF395	zinc finger protein 395	chr8	protein_coding
ENSG0000018627.3	6.2875928	0.68258876	2.42E-25	8.96E-24	0	0	0.46	0.72	FAM48B	family with sequence similarity 84, member B	chr10	protein_coding
ENSG0000026909.4	1.4070296	3.99827625	2.32E-06	1.27E-05	4.26	4.41	15.98	14.63	RRARP-AS1	RRARP antisense RNA 1	chr10	processed_transcript
ENSG0000015642.16	5.0158682	2.9734646	0.010945	0.0028742	0	0	0.02	0.05	FBP9	dia and facella associated protein 90	chr10	protein_coding
ENSG0000026235.1	-1.6718798	1.6785246	3.94E-07	2.43E-06	3.13	4.22	1.38	1.68	RP11-461A8	...	chr16	sense_intronic
ENSG0000015097.0	1.316242	1.8011098	5.39E-05	0.0020286	0.22	0.34	0.37	1.15	ATP6V1C1	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1	chr10	protein_coding
ENSG000001015.1	1.6297415	1.4509927	0.0103274	0.0139863	0.73	2.72	6.58	6.34	MT-TN	mitochondrially encoded RNA aspartate	chrM	RNA
ENSG0000025903.7	-0.0234041	-1.3294261	0.0100455	0.0028742	0.01	0.02	0	0	GMD5-AS1	GMD5 antisense RNA 1 (head to tail)	chr2	lincRNA
ENSG00000144031.0	-3.8452921	-1.8509882	1.62E-06	9.05E-06	0.27	0.05	0	0.02	ANKRD53	ankyrin repeat domain 53	chr2	protein_coding
ENSG0000022197.7	-1.7692842	1.8490166	8.48E-05	6.91E-43	0.74	4.51	0	0.03	KIF204	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail 4	chr19	protein_coding
ENSG0000015298.0	3.5295335	0.9445223	1.46E-14	2.23E-13	0	0.03	0.21	0.26	KSF10	immunoglobulin superfamily, member 10	chr3	protein_coding
ENSG0000016087.16	-1.8418279	4.2582999	8.25E-10	3.83E-08	2	0.08	0.81	1.14	CORL	cordilin-like VHF repeat protein	chr16	protein_coding
ENSG0000016840.11	1.6604669	4.912439	0.0043072	0.0010448	9.35	11.99	8.62	0.86	MLK	mixed lineage kinase domain-like	chr16	protein_coding
ENSG00000162039.13	8.55273155	-0.3087059	2.65E-17	5.13E-16	0	0	0.68	0.94	MEIOB	meiosis specific with OB domains	chr16	protein_coding
ENSG0000026202.4	6.675345	3.0391266	1.30E-05	1.30E-05	0.29	0.27	32.94	23.47	RP11-160E2	...	chr17	lincRNA
ENSG00000163637.10	-5.9959997	-2.569758	0.0001482	0.0005423	0.04	0.01	0	0	PRICKLE2	crinkle homolog 2 (Drosophila)	chr3	protein_coding
ENSG00000178974.8	1.36315359	2.60184219	1.11E-05	5.39E-05	0.8	0.71	2.6	2.58	FBXO34	F-box protein 34	chr14	protein_coding
ENSG0000018791.9	1.098985	2.303931	0.0004379	0.0019347	0.6	1.86	3.15	0.84	ARHGAP11B	Rho GTPase activating protein 11b	chr14	protein_coding
ENSG00000264187.1	1.19523303	3.5426237	6.77E-05	0.0002825	3.46	2.85	0.01	8.51	RP11-45M22	...	chr17	protein_coding
ENSG00000263939.1	5.04864046	-2.9992228	0.0100455	0.0028742	0	0	0.01	0.07	RP11-736K2	...	chr11	TEC
ENSG0000012708.11	2.1612653	6.747317	3.95E-14	1.08E-12	3.19	3.61	20.0	22.38	HSE1	heart development protein with EGF-like domains 1	chr15	protein_coding
ENSG00000205464.10	-1.904323	0.7052019	1.23E-07	1.50E-06	0.79	0.85	0.23	0.35	ATP6AP1	ATPase, H+ transporting, lysosomal accessory protein 1-like	chr16	protein_coding
ENSG00000131650.12	1.91117	3.0522329	2.68E-11	3.20E-11	4.55	4.11	3.34	1.19	KREMEN2	knate containing transmembrane protein 2	chr16	protein_coding
ENSG0000011599.14	-5.0252655	-0.0000000	0.0000000	0.0028742	0	0.05	0	0	KOFT1	retroviral-like family protein receptor 1	chr19	protein_coding
ENSG00000162648.8	6.2537832	-2.2167539	1.69E-16	5.78E-05	0	0	0.42	0.58	HCT	hematopoietic cell signal transducer	chr19	protein_coding
ENSG00000147169.18	3.68487878	0.0000000	0.0000000	0.0000000	0.13	0.26	12.2	0.75	3-SEP	3-SEP	chr19	protein_coding
ENSG00000137962.11	3.2545018	1.4960121	1.69E-17	3.33E-16	0.06	0.07	0.67	0.88	ARHGAP29	Rho GTPase activating protein 29	chr17	protein_coding
ENSG0000010859.19	-1.3593632	0.649568	2.88E-06	1.55E-05	16.21	15.02	8.19	8.02	CAMTA2	calmodulin binding transcription activator 2	chr17	protein_coding
ENSG0000016113.19	1.0545237	3.6496307	0.0006294	0.0012497	0.31	0.45	1.01	0.12	KCNMA1	KCNMA1 calcium activated large conductance subfamily M alpha, member 1	chr17	protein_coding
ENSG00000119919.10	5.3640116	-2.802277	0.0029522	0.00856312	0	0	0.14	0.03	NKX2-3	NK2 homeobox 3	chr17	protein_coding
ENSG00000157611.5	1.0745244	2.2628011	0.0006294	0.0012497	0.31	0.45	1.01	1.12	CCND2	C2 calcium-dependent domain containing 2	chr21	protein_coding
ENSG0000021395.4	1.0145237	3.6496307	0.0006294	0.0012497	0.31	0.45	1.01	0.12	KCNMA1	KCNMA1 calcium activated large conductance subfamily M alpha, member 1	chr17	protein_coding
ENSG00000141574.6	2.3366423	6.93317109	3.61E-15	5.84E-14	14.42	14.47	105.7	10.59	SECTM1	secreted and transmembrane 1	chr17	protein_coding
ENSG0000017058.7	-6.6326883	5.2645483	9.91E-84	8.19E-81	12.13	15.86	0.04	0.06	CHD2	chromatin domain 2, type 1, N-cadherin (neuronal)	chr18	protein_coding
ENSG00000141497.12	1.2754639	6.93897198	1.86E-16	2.70E-15	0.04	0.04	0.04	0.15	MYND3	myc target 3, type 3 containing 15	chr18	antisense
ENSG00000202337.1	1.2898951	1.9246859	5.45E-05	0.0002039	3.09	3.38	13.15	0.83	RP4-63518	...	chr18	antisense
ENSG0000013788.12	2.1258643	0.3293678	2.10E-13	2.82E-12	0.02	0.02	0.02	0.12	SMF	SMF related kinase	chr3	protein_coding
ENSG00000210816.8	1.3830214	1.11473028	5.53E-06	1.03E-05	0.33	0.37	1.04	1.38	SFT2D2	SFT2 domain containing 2	chr19	protein_coding
ENSG0000020962.2	1.8941875	3.067883	1.12E-09	9.64E-09	0.59	0.76	3.15	3.53	STO-AS1	STO antisense RNA 1	chr15	antisense
ENSG0000012594.11	1.0657819	0.0000000	0.0000000	0.0000000	0.19	0.19	1.1	1.64	SARPD3	serpinin glycoprotein phosphodiesterase, acid-like 3A	chr6	protein_coding
ENSG0000021091.1	-1.1822489	-1.6830765	0.0000000	0.0000000	0.69	1.23	0	1	RP13-349C2	...	chr17	protein_coding
ENSG0000021151.1	5.3590543	-2.849519	0.0029522	0.00856312	0	0	0.24	0.08	RP11-39413	...	chr17	lincRNA
ENSG0000010177.16	1.825343	2.495306	0.0000000	7.77E-25	1.5	1.12	0.02	1.12	CRD1	glutamate receptor, ionotropic, delta 1	chr10	protein_coding
ENSG00000181610.13	1.57808896	1.57143294	2.58E-06	1.40E-05	0.19	0.11	0.34	0.87	MER1	mesoderm induction early factor 1, transcriptional regulator	chr10	protein_coding
ENSG00000157411.3	1.9008261	1.2549157	8.34E-08	6.53E-07	0.06	0.05	0.05	0.29	UBN2	ubiquitin 2	chr7	protein_coding
ENSG0000026931.4	1.0347113	-0.189488	0.0004611	0.0012011	0.11	0.11	0.02	0.12	TTC39A	transcription factor domain 39A	chr1	protein_coding
ENSG0000017902.8	6.1861821	-2.2653636	2.70E-05	0.0012094	0	0	0.05	0.05	KHDC7A	kelch domain containing 7A	chr1	protein_coding
ENSG00000104788.14	1.0000000	0.0000000	0.0000000	0.0000000	0.09	0.02	0.72	0.12	THSDC2	THSD domain containing 2	chr5	protein_coding
ENSG00000215398.6	1.1310775	3.11497251	0.0001807	0.0008958	2.77	3.01	8.25	8.62	LCAT	lecithin:cholesterol acyltransferase 1	chr16	protein_coding
ENSG00000101282.10	2.15382073	2.04457634	1.06E-10	1.06E-09	0.15	0.09	0.19	0.65	LMC1D	LM and systemic rA domains 1	chr3	protein_coding
ENSG0000010159.11	1.2514093	6.4743725	1.86E-05	8.27E-11	97.1	11.6	2.11	1.2	CAS	calcium and steroid-inducible	chr3	protein_coding
ENSG00000163512.12	1.3181297	2.5128449	3.43E-05	0.00015127	0.31	0.48	0.77	1.88	AZ2	5-azacytidine induced 2	chr3	protein_coding
ENSG0000017795.16	1.2959209	3.4784485	1.65E-05	7.68E-05	1.59	1.86	5.99	5.28	PIDD1	p53-inducible domain containing protein 1	chr11	protein_coding
ENSG0000026928.14	1.2527829	0.0000000	0.0000000	0.0000000	0.12	0.12	0.12	0.12	ZNF596	zinc finger protein 596	chr11	protein_coding
ENSG00000108107.11	-1.023558	0.6477872	0.0035623	0.00128202	29.23	28.21	197.77	149.57	RL28	ribosomal protein L28	chr19	protein_coding
ENSG00000165171.9	-1.3957769	1.103613	4.70E-05	0.0002061	3.07	3.22	1.19	1.48	WSCR27	Williams Beuren syndrome chromosome region 27	chr17	protein_coding
ENSG00000101125.14	1.2665289	0.0000000	0.0000000	0.0000000	1.92	1.92	4.72	1.75	TAZ	tafazotemide	chr17	protein_coding
ENSG00000227036.5	-6.6583117	-2.783081	0.0008654	0.0028128	0.06	0.08	0	0	LINC00511	long intergenic non-protein coding RNA 511	chr17	lincRNA
ENSG0000022762.1	3.7638185	-1.5177832	3.56E-06	1.88E-05	0	0	1.89	0	LINC01389	long intergenic non-protein coding RNA 1389	chr17	antisense
ENSG0000042986.14	1.029845	1.029845	0.0000000	0.0000000	325.4	2842.07	0.05	15.77	AC009336.19	...	chr16	protein_coding
ENSG0000017581.12	-1.1726865	5.708784	4.09E-09	3.32E-08	20.67	22.07	8.91	8.25	MRL48	mitochondrial ribosomal protein L48	chr11	protein_coding
ENSG0000021632.1	0.0144266	-0.6158699	0.0000000	0.0000000	0.02	0.02	0.02	0.12	RP11-409F11	...	chr17	protein_coding
ENSG00000127954.11	6.3040663	6.13867337	4.13E-05	1.30E-02	0.11	0.14	9.15	1.71	SEAP4	SEAP family member 4	chr7	protein_coding
ENSG00000160223.15	2.6925439	4.4836156	4.25E-18	8.81E-17	0.63	0.56	5.16	5.09	KOCSJ	inducible 1-cell co-stimulator ligand	chr21	protein_coding
ENSG0000049941.11	1.2676829	0.0000000	0.0000000	0.0000000	44.6	24.8	20.5	16.8	ACTA2	actin, cytoplasmic	chr1	protein_coding
ENSG0000013821.4	-1.5900126	7.4697976	4.76E-08	3.33E-07	57.38	53.03	2.6	2.28	SLC6A8	solute carrier family 6 (neurotransmitter transporter), member 8	chrX	protein_coding
ENSG00000111880.14	1.1732047	1.08112621	0.00114785	0.0037295	0.22	0.23	0.57	0.75	RNGT1	RNA glycoyltransferase and 5'-phosphatase	chr6	protein_coding
ENSG0000022911.1	-2.115382	-0.3165604	0.0000000	0.0000000	1.15	1.15	1.04	0.6	ZNF452	ZNF antisense RNA 2 (head to tail)	chr1	antisense
ENSG00000169131.9	1.1910205	-0.3165604	0.0063566	0.0177646	0.19	0.09	0.27	0.6	ZNF354	zinc finger protein 354	chr5	protein_coding

ENSG00000172145	22270920	1.63837464	1.556	1.01E-09	0.09	0.2	0.98	0.81	KAA1919	KAA1919	chr6	protein_coding
ENSG00000243312	18502688	1.425139	1.44E-05	0.00019172	0.12	0.04	0.67	0.69	CTC-24181	CTC-24181	chr6	lincRNA
ENSG00000274622	1293789	1.0751836	4.48E-05	0.00019413	0.82	1.52	0.57	0.69	UR1328.19	--	chr6	lincRNA
ENSG00000132405.17	13038438	4.9963979	7.93E-06	3.80E-05	6.78	1.94	3.28	4.14	TBC1D10A	TBC1 domain family member 14	chr6	protein_coding
ENSG00000270741.1	92063894	1.0000000	1.00E-06	0.00000000	0.00	0.00	0.00	0.00	RP11-374121	--	chr6	lincRNA
ENSG00000106538	1050405	1.00618575	4.62E-34	2.98E-32	2.38	6.46	0.20	0.0	RARRS2	retinoic acid receptor responder (tazarotene induced)	chr7	protein_coding
ENSG00000196456	14623658	3.1536604	1.60E-06	8.91E-06	0.65	0.86	2.41	3.17	PKH8A	phosphoinositide-3-kinase, regulatory subunit 4	chr7	protein_coding
ENSG00000140941.1	5.4533531	1.0000000	1.00E-06	0.00000000	0.00	0.00	0.00	0.00	MARLU1CB	microtubule-associated protein 1 like chain 3 beta	chr7	protein_coding
ENSG00000280812	6.0393444	1.9521913	1.05E-06	6.02E-06	0.0	0.23	0.03	0.33	MGC39584	--	chr7	lincRNA
ENSG00000078044.1	1.60963899	1.7057241	1.23E-06	6.09E-06	0.0	0.08	0.30	0.39	PIAS2	protein inhibitor of activated STAT, 2	chr7	protein_coding
ENSG00000136316	1.1523626	1.1523626	0.00000000	0.00000000	15.5	16.8	8.85	12.38	IRS	insulin-IRNA synthase	chr7	protein_coding
ENSG0000027468.1	3.284411	1.8715938	0.0002563	0.00094222	0.09	0	0.51	0.87	RP11-86C11	--	chr7	lincRNA
ENSG0000027170.4	1.3989621	1.1162949	1.11E-09	1.11E-09	0.71	0.0	0.0	0.0	PAR6G-AS1	PAR6G antisense RNA 1	chr7	lincRNA
ENSG00000129531.1	1.6058863	0.0242666	0.0001402	0.00054692	0.04	0.2	0.54	0.45	NRL	neural retina leucine zipper	chr7	protein_coding
ENSG00000164211.1	5.5399192	0.0130505	1.63E-19	3.78E-19	0.33	0.22	0.01	0.0	STAR4	STAR-related lipid transfer (START) domain containing 4	chr7	protein_coding
ENSG0000030436.15	117275	8.66504255	4.23E-09	3.00E-08	9.47	9.78	3.37	4.39	AMR1	aryl hydrocarbon receptor repressor	chr7	protein_coding
ENSG0000060282.13	1.6533077	3.8944026	3.60E-08	2.55E-07	8.12	6.74	2.99	3.32	DGAT2	diacylglycerol O-acyltransferase 2	chr7	protein_coding
ENSG0000026388.3	2.6583946	4.0826111	1.31E-10	1.30E-09	0.26	0.25	0.21	2.2	RP11-98D18	--	chr7	antisense
ENSG00000162911.4	4.196204	5.0843399	6.04E-11	6.02E-10	8.7	6.22	2.57	2.81	MEGF8	multiple EGF-like domains 8	chr7	protein_coding
ENSG00000130363.10	16.111771	2.8516594	1.99E-07	1.28E-06	0.36	0.51	1.8	1.73	RSPH3	radial spoke 3 homolog (Chlamydomonas)	chr7	protein_coding
ENSG0000017448.12	11.110823	7.2391079	0.0001405	0.00045301	79.58	59.76	43.78	42.25	KAR1A1	alko-keto reductase family 1, member A1 (aldehyde reductase)	chr7	protein_coding
ENSG00000136470.10	1.9922688	1.9492122	1.22E-06	6.93E-06	0.3	0.44	1	1.37	SMH1	salt III ubiquitin protein ligase 1	chr7	protein_coding
ENSG00000269386.4	1.8276684	2.3721831	1.14E-08	6.88E-08	1.43	1.69	6.96	7.82	RAB11B-AS1	RAB11B antisense RNA 1	chr7	antisense
ENSG00000226986.4	1.1257628	1.92177836	0.0004379	0.00030712	3.43	3.23	2.44	1.84	LENG8-AS1	LENG8 antisense RNA 1	chr7	antisense
ENSG00000142910.4	5.2926791	6.6721838	1.03E-25	3.72E-24	64.33	66.53	9.61	2.68	TM6GL1	tubulomembranous nephritis antigen-like 1	chr7	protein_coding
ENSG00000073417.13	11.7312949	2.0323061	0.0003812	0.00136561	0.48	0.5	0.89	1.98	PFDBA	phosphodiesterase 8A	chr7	protein_coding
ENSG0000011777.10	1.3651137	0.1396442	0.0037791	0.00108987	0.04	0.06	0.16	0.1	HC7C2	host cell factor 2	chr7	protein_coding
ENSG00000081479.11	4.8894645	3.0622891	0.0188943	0.04519557	0	0	0	0.01	LRP2	low density lipoprotein receptor-related protein 2	chr7	protein_coding
ENSG0000019794.10	1.9890135	0.2674034	6.41E-07	3.80E-06	0.2	0.21	0.29	0.05	ENP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	chr7	protein_coding
ENSG00000134871.16	1.1981985	1.0107438	1.13E-15	2.71E-133	27.28	2.8	1.98	0.18	CTC4A2	collagen type IV alpha 2	chr7	protein_coding
ENSG00000131477.9	2.6232908	1.41419809	7.31E-13	9.31E-12	0.72	0.38	4.29	4.88	RAMP2	receptor (G protein-coupled) activity modulating protein 2	chr7	protein_coding
ENSG0000020589.13	2.8096149	2.1330101	2.16E-16	3.88E-15	0.18	0.36	2.14	2.92	MASTL	microtubule associated serine/threonine kinase-like	chr7	protein_coding
ENSG0000015712.17	1.1000000	1.1000000	1.00E-06	1.00E-06	0.00	0.00	0.00	0.00	FAO2	FAO2 interacting (with transcription-activation domain) protein 1	chr7	protein_coding
ENSG00000064745.1	7.5202625	1.2167394	3.23E-11	3.41E-10	0	0	0.78	1.03	TTCC9C-AS1	TTCC9C antisense RNA 1	chr7	antisense
ENSG00000107975.15	3.4513267	5.9674574	7.84E-09	5.97E-08	0.0	0.0	0.0	0.0	SH2D3A	SH2 and PH domains 2	chr7	protein_coding
ENSG00000230447.2	1.9252529	3.8992693	4.93E-12	5.73E-11	0.76	0.84	2.93	6.22	SMARCA5	SMAR5 related factors associated, actin dependent regulator of chromatin, subfamily a, member 5	chr7	protein_coding
ENSG00000108002.13	1.1807326	3.09881654	9.29E-05	0.00037552	2.57	2.87	1.52	1.67	C14orf93	chromosome 14 open reading frame 93	chr7	protein_coding
ENSG00000209197.1	4.196204	3.09881654	9.29E-05	0.00037552	2.57	2.87	1.52	1.67	RP11-14A63.5	--	chr7	lincRNA
ENSG00000073057.17	1.13161305	0.9871651	0.0014502	0.00451978	0.58	0.49	1.2	1.91	GASD8	gasdermin B	chr7	protein_coding
ENSG00000078943.13	2.972841	2.0196189	1.02E-17	2.04E-16	1	1.43	0.15	0.26	ST6GAL1	ST6 beta-galactosidase alpha-2,6-sialyltransferase 1	chr7	protein_coding
ENSG0000029286.1	2.926948	0.9871651	0.0014502	0.00451978	0.01	0.28	0.6	0.47	RP11-467D6	--	chr7	antisense
ENSG00000105643.8	1.6801142	6.054999	9.94E-09	7.55E-08	28.35	27.35	1.14	11.77	ARRDC2	arrestin domain containing 2	chr7	protein_coding
ENSG0000016789.11	2.3082953	3.104339	3.15E-13	4.15E-12	0.54	0.39	1.29	2.88	MGA15B	mannosyl (alpha-1,6)-glycoprotein beta-1,6-N-acetylglucosaminyltransferase, bozyme B	chr7	protein_coding
ENSG00000143194.4	2.4562772	2.4562772	0.00000000	0.00000000	0.13	0.06	0.12	0.24	KC11	chromatin remodelling factor 1	chr7	protein_coding
ENSG00000116718.1	2.026598	3.629812	3.85E-11	4.03E-10	9.95	6.83	3	2.49	SPS8	solo/Avanoidine receptor domain and SOCS box containing 2	chr7	protein_coding
ENSG0000012726.12	1.6709948	0.4466036	2.43E-06	1.32E-05	0.06	0.23	0.34	0.54	ZBTB21	zinc finger and BTB domain containing 21	chr7	protein_coding
ENSG00000179445.5	2.026598	2.7744029	0.00000000	0.00000000	0.13	0.06	0.12	0.24	LINC00843	--	chr7	lincRNA
ENSG00000231760.4	2.0297577	0.3461729	1.73E-06	9.62E-06	0.49	0.44	0.09	0.19	RP11-350D2	--	chr7	antisense
ENSG0000023328.1	2.926948	0.9871651	0.0014502	0.00451978	0.09	0.08	0.09	0.01	RP11-350D2	--	chr7	antisense
ENSG0000027910.1	5.4549402	2.7467519	0.0015808	0.00495521	0	0	0	0.01	CTA-243E.1	--	chr7	antisense
ENSG0000017683.14	2.0120329	2.1818841	7.14E-10	6.33E-09	0.26	0.24	1.08	1.65	FAM91A1	family with sequence similarity 91, member A1	chr7	protein_coding
ENSG0000027597.1	1.7846445	0.891448	0.00000000	0.00000000	0.13	0.06	0.12	0.24	RP11-961A1	--	chr7	antisense
ENSG00000089356.15	1.1861497	0.46272653	0.0014703	0.00467959	0.38	0.67	0.38	0.24	FXYD3	FXYD domain containing ion transport regulator 3	chr7	protein_coding
ENSG0000014219.14	2.1029632	1.5620132	1.57E-09	1.34E-08	0.16	0.27	1.04	1.42	C17orf80	chromosome 17 open reading frame 80	chr7	protein_coding
ENSG0000027264.1	5.50575	2.7861027	0.00000000	0.00000000	0.13	0.06	0.12	0.24	RP11-300K5	--	chr7	lincRNA
ENSG00000116489.11	1.1942687	3.7208958	6.11E-05	0.00025671	2.9	1.38	4.93	8.16	CPAZ1	capping protein (actin filament) muscle Z, alpha 1	chr7	protein_coding
ENSG00000144674.15	5.4517482	3.2266592	2.22E-43	2.07E-41	0.04	0.04	0.04	3.14	GOLGA6	glucosyl transferase 6	chr7	protein_coding
ENSG00000120211.1	1.9533501	2.0035326	1.03E-07	1.38E-06	0.16	0.16	0.16	0.16	RP11-60N2	--	chr7	antisense
ENSG00000092620.9	5.4149148	0.3672048	1.67E-22	4.84E-21	0.7	0.79	0.05	0.0	PALMD	palmdelphin	chr7	protein_coding
ENSG00000142122.12	1.0000000	1.0000000	1.00E-06	1.00E-06	0.00	0.00	0.00	0.00	PALMD	palmdelphin	chr7	protein_coding
ENSG00000276278.1	2.17151008	1.0494717	3.44E-07	2.14E-06	0.35	0.12	1.36	1.49	RP11-182L1	--	chr7	antisense
ENSG00000174032.15	1.8489166	0.9173454	5.40E-07	3.24E-06	0.06	0.28	0.84	0.8	SLC25A5	solute carrier family 25, member 30	chr7	protein_coding
ENSG00000168461.11	1.9540281	0.8710869	0.00000000	0.00000000	11.2	13.8	0.58	0.86	RAM3	RAM3 interacting RAS oncogene protein	chr7	protein_coding
ENSG00000195401.1	4.0643903	0.0712463	1.77E-14	2.69E-13	0.01	0.02	0.18	0.37	TCHH	trichohyalin	chr7	protein_coding
ENSG00000234953.8	1.4430658	0.6374579	0.0001026	0.00041131	0.09	0.25	0.37	0.85	ANOR1B	ankyrin repeat domain 1B8	chr7	protein_coding
ENSG00000145133.12	3.1739538	1.0000000	1.00E-06	1.00E-06	0.00	0.00	0.00	0.00	FAM134B	FAM134B interacting RAS oncogene protein 134, member B	chr7	protein_coding
ENSG00000198755.9	1.3305795	9.1431838	4.06E-06	2.12E-05	99.94	831.23	1.68	502.57	RMLC10A	ribosomal protein L10a	chr7	protein_coding
ENSG00000099666.13	1.9962667	0.0128747	0.0003882	0.00138707	0.21	0.14	0.47	0.77	MADCAM1	microbial vascular addressin cell adhesion molecule 1	chr7	protein_coding
ENSG00000232461.7	1.9846445	0.891448	0.00000000	0.00000000	0.13	0.06	0.12	0.24	RP11-350D2	--	chr7	antisense
ENSG00000173713.14	2.0034913	1.6682413	4.97E-09	3.97E-08	0.14	0.2	0.06	0.95	PPP2R1B	protein phosphatase 2, regulatory subunit A, beta	chr7	protein_coding
ENSG0000017648.19	5.1974830	2.8968979	0.0053815	0.01488951	0.0	0.0	0.0	0.0	RIMS2	regulating synaptic membrane exocytosis 2	chr7	protein_coding
ENSG00000120211.1	1.9533501	2.0035326	1.03E-07	1.38E-06	0.16	0.16	0.16	0.16	RP11-60N2	--	chr7	antisense
ENSG0000014062.16	2.2874666	3.62948	2.00E-13	2.69E-12	0.36	0.36	1.75	2.95	UBR3A	ubiquitin protein ligase E3A	chr7	protein_coding
ENSG00000128039.9	1.9540281	0.8710869	0.00000000	0.00000								

ENSG00000152240.11	1.28251252	1.63102906	0.00011155	0.00044381	1.31	1.21	2.48	5.74	HAUJ51	HAUS augmin-like complex, subunit 1	chr18	protein_coding
ENSG00000134006	-1.0592379	7.6431283	0.00227299	0.00085384	121.75	102.94	0.00	0.00	HAPPA5	histone polycomb peptide 5	chr19	protein_coding
ENSG00000123159.14	-1.0592379	7.6431283	0.00227299	0.00085384	121.75	102.94	0.00	0.00	G12C	GIPC PDZ domain containing family, member 1	chr19	protein_coding
ENSG00000166448.13	-3.6628925	-0.1637023	7.00E-13	8.92E-12	0.35	0.27	0.02	0.00	TMEM310	transmembrane protein 130	chr7	protein_coding
ENSG0000013127.12	1.0000000	1.0000000	0.0000000	0.0000000	0.18	0.18	0.00	0.00	ZNF141	zinc finger protein 141	chr4	protein_coding
ENSG00000228791.6	1.88629448	-1.8601781	0.00987167	0.02219005	0.00	0.01	0.02	0.00	THRAS1	THRB antisense RNA 1	chr4	processed_transcript
ENSG00000227444.4	-5.5119717	-2.8643459	0.00130308	0.00499521	0.07	0.01	0.00	0.00	HLA3B79		chr1	lincRNA
ENSG00000186601.3	1.5181346	-1.8909737	0.00340476	0.01025684	0.11	0.11	0.00	0.00	LINC00319	long intergenic non-protein coding RNA 319	chr21	lincRNA
ENSG00000204084.11	-1.4969259	4.8151179	3.51E-07	2.58E-06	4.04	4.58	2.05	2.02	INP5B	inositol polyphosphate-5-phosphatase	chr19	protein_coding
ENSG00000204591.5	-4.9032476	1.10544302	1.80E-26	6.65E-25	1.37	0.04	0.00	0.00	ADRM1	adenosine receptor beta 1	chr10	protein_coding
ENSG00000175257.1	1.0000000	1.0000000	0.0000000	0.0000000	0.45	0.45	0.00	0.00	ZNF543	zinc finger protein 543	chr9	protein_coding
ENSG00000152495.9	-2.3473778	-0.8899892	6.55E-06	3.29E-05	0.09	0.02	0.00	0.00	CAMK4	calcium/calmodulin-dependent protein kinase IV	chr1	protein_coding
ENSG0000021403.16	4.50022655	0.9396929	4.22E-07	1.11E-19	0.00	0.03	0.04	0.00	CCDC13	coiled-coil domain containing 18	chr1	protein_coding
ENSG00000236544.1	2.5326735	-2.8777665	0.00290522	0.00866312	0.00	0.04	0.05	0.00	AC008060.8		chr7	lincRNA
ENSG00000214922.8	3.7504661	0.56751084	6.70E-16	1.15E-14	0.02	0.09	0.06	0.00	HU-F antisense RNA 1		chr6	processed_transcript
ENSG00000175161.12	-1.0000000	-1.0000000	0.0000000	0.0000000	0.04	0.04	0.00	0.00	CADM1	cell adhesion molecule 1	chr9	protein_coding
ENSG00000171208.8	1.2022863	3.95149745	4.96E-05	0.00021199	1.1	0.92	2.79	3.41	NETO2	neuropilin (NRP) and Toll(L)-like 2	chr19	protein_coding
ENSG0000017380.12	-1.3592304	5.34446657	3.15E-06	1.68E-05	1.04	0.96	5.45	4.91	PPF3A3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPR), interacting protein (Pripn), alpha 3	chr16	protein_coding
ENSG00000270934.1	3.1633997	5.21743096	7.67E-24	2.50E-22	2.15	2.22	24.12	20.13	RP11-420L9.1		chr6	antisense
ENSG00000163947.10	1.93484306	1.59671219	1.81E-08	1.33E-07	0.13	0.23	0.82	1.02	ARHGEP3	Rho guanine nucleotide exchange factor (GEF) 3	chr3	protein_coding
ENSG00000087299.10	1.7902842	2.6422732	1.48E-08	1.11E-07	0.21	0.40	1.17	1.19	L2HSDH	L-2-hydroxyglutarate dehydrogenase	chr14	protein_coding
ENSG0000023537.11	-3.5339635	4.24307179	2.69E-27	1.09E-25	4.7	4.8	0.92	0.94	C54B	GRB2-associated binding protein 2	chr2	protein_coding
ENSG00000225611.11	5.80179215	-2.5368612	0.0002655	0.0009747	0.00	0.39	0.12	0.00	RP11-70C11.1		chr3	antisense
ENSG00000222764.2	5.30549885	4.96337402	1.03E-49	1.39E-47	0.98	0.98	4.71	46.99	RP11-5A07.1		chr3	lincRNA
ENSG00000232443.3	2.46317287	-2.0292869	0.0408965	0.01167544	0.04	0.09	0.21	0.21	RP11-761E2.1		chr3	antisense
ENSG00000089299.10	-12.54975	3.49902168	1.27E-68	4.70E-66	5.41	7.42	0.00	0.00	EPDR1	ependymin related 1	chr17	protein_coding
ENSG00000231715.1	-1.2047397	5.51819607	3.41E-05	0.00015036	44.2	37.98	24.86	23	NTHL1	nth endonuclease III-like 1 (E. coli)	chr16	protein_coding
ENSG0000026116.11	1.6320027	-2.3082274	2.70E-05	0.00012094	0.00	0.18	0.11	0.00	RP3-52K23.3		chr6	sense_intronic
ENSG00000270376.1	5.47821296	-2.7333022	0.0038006	0.00469521	0.05	0.04	0.22	0.00	ORA-745Z22		chr22	antisense
ENSG00000133731.8	2.24185769	0.93750678	1.50E-08	3.49E-07	0.19	0.05	0.07	0.00	IMPA1	inositol(myo)-[1or 4]-monophosphate 1	chr6	protein_coding
ENSG00000215021.7	-1.4573262	9.24289918	4.88E-07	2.96E-06	470.83	476.75	240.24	218.88	PHB2	proboscidin 2	chr12	protein_coding
ENSG00000186705.7	1.0000000	1.0000000	0.0000000	0.0000000	0.95	0.95	0.27	0.27	ZNF431	zinc finger protein 431	chr9	protein_coding
ENSG00000249892.5	2.6036075	-2.3285497	0.0045824	0.01291303	0.02	0.02	0.00	0.00	RP1-179N16.1		chr6	antisense
ENSG00000172362.2	-5.3787292	-2.2868651	0.0000000	0.00066312	0.24	0.24	0.00	0.00	CRS2	ciliary receptor, family 5, subfamily B, member 2	chr11	protein_coding
ENSG00000176444.17	1.0000000	1.0000000	0.0000000	0.0000000	24.46	26.29	16.13	15.16	CK2	CDK-like kinase 2	chr17	protein_coding
ENSG00000204735.5	1.17435219	-0.4082057	0.00020204	0.00076235	0.07	0.16	0.3	0.73	RP11-649A1.1		chr17	TEC
ENSG00000153061.1	1.0000000	1.0000000	0.0000000	0.0000000	0.16	0.16	0.00	0.00	RP11-520M1.1		chr17	lincRNA
ENSG00000154574.4	-3.8567099	3.32688537	1.68E-29	5.71E-28	20.02	29.49	2.24	2.23	FAM27C	family with sequence similarity 27, member C	chr17	protein_coding
ENSG00000205235.1	-6.938121	-1.8814236	8.18E-08	5.55E-07	0.11	0.15	0.00	0.00	AC005863.1		chr17	lincRNA
ENSG00000101871.24	-3.8238134	6.67053549	0.0000000	0.0000000	43.26	43.26	0.00	0.00	GLCO3A1	glute carrier oricanic anion transporter family, member 4A1	chr9	protein_coding
ENSG00000169886.6	-1.1444013	7.59005093	7.04E-05	0.00029231	75.6	64.16	42.91	41.35	ER2	immediate early response 2	chr19	protein_coding
ENSG00000123607.13	2.8737084	0.4032903	2.95E-11	3.18E-11	0.01	0.08	0.28	0.25	ITC21B	transmembrane receptor domain 21B	chr19	protein_coding
ENSG00000203981.1	2.4931918	0.9766272	1.12E-10	1.18E-10	1.94	1.94	0.00	0.00	RP11-229D1.1		chr17	TEC
ENSG00000124214.18	1.28579088	6.8258086	1.34E-05	6.35E-05	12.52	16.24	0.11	0.11	STAU1	staufen double-stranded RNA binding protein 1	chr20	protein_coding
ENSG00000155330.2	5.196984	-0.3067412	5.61E-16	8.96E-14	0.02	0.3	0.62	0.3	UGQA	leucine-rich repeats and guanylate kinase domain containing	chr7	protein_coding
ENSG00000160986.14	1.6218099	3.2496549	1.95E-07	1.23E-07	42.7	41.4	0.00	0.00	WDK45	WDR repeat domain 45	chr11	protein_coding
ENSG00000134339.7	-4.1024276	-0.8606447	4.07E-11	4.25E-10	0.24	0.48	0.00	0.00	SA2	serum amyloid A2	chr11	protein_coding
ENSG00000226915.5	1.0000000	1.0000000	0.0000000	0.0000000	0.08	0.08	0.00	0.00	FAM125A	family with sequence similarity 125, member A	chr11	protein_coding
ENSG00000255715.5	10.4974107	1.51115564	2.59E-38	1.79E-38	0.00	0.137	1.00	1.00	LINC00925	long intergenic non-protein coding RNA 925	chr15	lincRNA
ENSG00000167508.9	1.28222106	5.89410784	1.01E-05	4.67E-05	16.14	13.73	46.26	50.73	MVD	mevalonate (diphospho) decarboxylase	chr16	protein_coding
ENSG00000205714.3	1.882096	2.12640777	0.0000000	0.0000000	0.09	0.19	0.07	0.00	RP11-11490.1		chr15	antisense
ENSG00000278082.2	-4.0327725	2.0788006	6.67E-27	2.65E-25	1.55	1.07	0.07	0.00	RP11-66B24.1		chr15	crossed_transcript
ENSG00000186689.15	-2.3161055	6.22137144	9.79E-15	1.53E-13	27.64	23.23	6.48	7.15	CYTH1	cytohesin 1	chr17	protein_coding
ENSG0000013170.9	-4.4173962	1.0000000	0.0000000	0.0000000	0.95	0.95	0.00	0.00	EKHAD1	ethyl-coA ligase 3-hydroxyacyl CoA dehydrogenase	chr19	protein_coding
ENSG00000179922.5	1.0567628	0.61057187	0.00037311	0.00133735	2.92	3.28	9.68	7.45	ZNF784	zinc finger protein 784	chr17	protein_coding
ENSG0000012878.12	-1.7491598	2.25694799	4.51E-08	3.10E-07	1.67	1.87	0.06	0.78	METAP1D	metaphase associated protein 1D (mitochondrial)	chr2	protein_coding
ENSG00000186438.8	1.7302189	1.0000000	0.0000000	0.0000000	1.63	1.63	0.12	0.12	SRFBP1	nuclear pore complex interacting protein family, member B15	chr16	protein_coding
ENSG00000182128.8	1.2669867	2.4067228	5.40E-05	0.00022786	0.32	0.31	1.01	1.01	HHP1L1	HHP1-like 1	chr14	protein_coding
ENSG00000206883.10	1.9301819	-2.4132007	0.0000000	0.0000000	0.03	0.03	0.00	0.00	DFP3	D4c, zinc and double PHD fingers, family 3	chr19	protein_coding
ENSG0000020184.1	2.1717249	-1.9228925	0.0045943	0.01266454	0.05	0.26	0.00	0.00	ALU23806.1		chr19	antisense
ENSG00000269054.1	2.4652123	-2.4475134	0.0077015	0.01977584	0.00	0.07	0.32	0.24	CTD-26191.1		chr19	antisense
ENSG00000190889.9	1.2162463	1.9464446	0.0000000	0.0000000	1.92	1.92	0.00	0.00	PKNOX1	potassium channel 62kDa C-terminal like	chr19	protein_coding
ENSG00000183775.9	-4.507703	-2.0151289	6.92E-06	3.47E-05	0.02	0.03	0.00	0.00	KCTD16	potassium channel tetramerization domain containing 16	chr5	protein_coding
ENSG00000280130.1	2.3160591	-1.1847825	6.89E-05	0.00028917	0.28	0.22	2.19	1.29	AC033331.1		chr19	protein_coding
ENSG00000190638.17	-1.8269876	-1.9041958	0.0004641	0.00310213	1.50	0.2	0.00	0.00	AKC3	Janus kinase 3	chr19	protein_coding
ENSG00000123056.6	-8.984356	3.2745738	7.02E-19	1.66E-17	2.36	2.06	4.03	0.39	KCNK3	potassium channel, two pore domain subfamily K, member 3	chr2	protein_coding
ENSG00000175553.1	5.6828014	-2.665698	0.0004761	0.0167191	0.00	0.11	0.12	0.12	CC2D4D	CC2D calcium-dependent domain containing 4D	chr19	protein_coding
ENSG00000160729.9	1.0000000	1.0000000	0.0000000	0.0000000	0.19	0.28	0.00	0.00	ZNF331	zinc finger protein 331	chr20	protein_coding
ENSG00000262526.2	-1.2137621	1.3861662	0.0029551	0.00107806	3.55	3.73	2.11	2.07	CTD-25450.1		chr17	protein_coding
ENSG00000242372.5	-1.2587423	6.1840924	1.39E-05	6.56E-05	58.96	46.47	29.04	27.38	EIF6	eukaryotic translation initiation factor 6	chr20	protein_coding
ENSG00000163072.9	1.2629029	1.0000000	0.0000000	0.0000000	0.44	0.44	0.00	0.00	ZNF5	ZNF5	chr15	protein_coding
ENSG00000174197.15	2.1001164	3.9442302	6.27E-12	7.22E-11	0.31	0.31	1.62	1.91	MGA	MGA, MAX dimerization protein	chr15	protein_coding
ENSG00000250786.1	1.0000000	1.0000000	0.0000000	0.0000000	0							

ENSG00000189038	284711437	07836661	2.48E-12	2.99E-11	0.06	0.06	0.36	0.81	ZDHHC17	zinc finger, DHHC-type containing 17	chr12	protein_coding	
ENSG00000189049	125255222	08522222	1.0E-05	1.0E-05	0.23	0.23	0.23	0.23	LOC101928222	lincRNA	chr12	antisense	
ENSG00000274961	-1.8432625	-0.8505206	6.05E-05	0.0002543	0.49	0.56	0.19	0.2	RP11-145A3	lincRNA	chr12	antisense	
ENSG00000170104	125964572	00633018	0.0014952	0.0047159	0.21	0.13	0.53	0.57	ZNF684	zinc finger protein 684	chr12	protein_coding	
ENSG00000279401	187046625	1.340448	0.0000000	0.0000000	0.12	0.12	0.12	0.12	RP11-298F2	lincRNA	chr12	antisense	
ENSG00000664619	202914058	1.7697499	0.0041212	0.01331279	0.0	0.02	0.08	0.08	FRF1	fibroblast growth factor receptor 2	chr10	protein_coding	
ENSG00000254899	51753289	0.0213893	3.53E-18	7.32E-17	0.10	0.11	0.47	3.23	RP11-661A1	lincRNA	chr10	antisense	
ENSG00000459115	3.0897448	4.6844183	9.18E-23	2.29E-21	5.92	6.13	0.19	0.63	NAB2	neuroblastoma-associated protein 2	chr10	protein_coding	
ENSG00000317113	-3.3690296	3.2812807	3.61E-24	1.18E-22	1.06	1.13	0.13	0.17	MAP1B	microtubule-associated protein 1B	chr10	protein_coding	
ENSG00000176825	-2.3401521	5.22217663	8.68E-15	5.25E-13	18.82	20.93	5.52	5.18	KOIC2	keratin box C7	chr17	protein_coding	
ENSG00000758824	1.783524	0.8932327	0.0004546	0.0004546	0.01	0.01	0.01	0	ETAC4B3	EF hand calcium binding domain 3	chr17	protein_coding	
ENSG000001593410	145866928	0.0149637	9.88E-07	5.70E-06	1.08	1.18	3.96	4.32	ARHGAP27	Rho GTPase activator protein 27	chr17	protein_coding	
ENSG000001739416	-1.5207295	-3.0362523	0.0033505	0.0033505	0.05	0.02	0	0	HSRP7	heat shock 27kDa protein family, member 7 (cardiovascular)	chr17	protein_coding	
ENSG000001639748	-1.127951	6.7019047	9.15E-05	0.0003702	41.43	44.76	26.94	25.55	ZC3H12A	zinc finger CCHC-type containing 12A	chr17	protein_coding	
ENSG000002496412	15664335	397799415	1.95E-07	1.07E-06	4.54	4.55	17.84	18.04	HOKC13-AS	HOKC13 antisense RNA	chr17	antisense	
ENSG000001846758	-1.5542837	3.2320494	0.0000000	0.0000000	2.02	2.31	1.04	0.92	AMER1	APC membrane recruitment protein 1	chr17	protein_coding	
ENSG000008082320	10395475	2.7653252	0.0008774	0.0023183	1.1	0.85	2.6	2.74	MOK	MOK protein kinase	chr17	protein_coding	
ENSG000001932216	10423498	6.4552515	0.0002918	0.0010386	18.27	17.6	43.86	55.33	ADPKC	ADP-dependent guanine nucleotide phosphatase	chr14	protein_coding	
ENSG000002553102	8.9669228	-0.924567	8.68E-15	9.18E-14	0	0.31	0.17	0.97	41312512	lincRNA	chr17	antisense	
ENSG000001704210	-1.7930087	10.9862623	8.65E-10	7.63E-09	1159.82	1127.17	441.13	438.14	KRT8	keratin 8, type II	chr12	protein_coding	
ENSG000001877307	6.3970483	-0.462882	5.53E-16	1.01E-14	0	0	0.76	0.65	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta subunit protein ligase E3 component 1-nucleo-1	chr17	protein_coding	
ENSG0000015949210	2.6453381	1.3987178	7.72E-14	1.29E-12	0.09	0.05	0.59	0.51	URB1	ubiquitin protein ligase E3 component 1-nucleo-1	chr12	protein_coding	
ENSG00000175329	1.1531598	3.9496909	9.92E-05	0.0003981	1.77	2	5.24	5.91	NRP3	nuclear receptor interacting protein 3	chr11	protein_coding	
ENSG000001630751	6.11950795	-2.313248	4.47E-05	0.0002001	0	0	0.02	0.05	0	0	0	0	
ENSG000001616115	2.89524446	-1.624116	0.0003016	0.0010285	0	0	0.02	0.05	2.11	Chv194	clita and fascella associated protein 221	chr12	protein_coding
ENSG000001389416	6.7625423	2.3176077	7.80E-43	7.00E-41	0.01	0.01	1.93	1.63	LMXB1B	LMH homeobox transcription factor 1, beta	chr15	protein_coding	
ENSG00000154965	1.6082963	-0.1913978	0.0002673	0.0007984	0.11	0.11	0.18	0.41	MDX38	meis-3 RNA binding factor family member B	chr19	protein_coding	
ENSG000002725641	-1.2038885	-0.1528361	0.0002993	0.00081199	0.36	0.2	1.02	0.38	RP11-422P2	lincRNA	chr19	antisense	
ENSG000001091409	27406969	4.7310518	9.10E-19	2.00E-17	1	0.9	6.29	10.82	TGAF6	integrin, alpha 6	chr19	protein_coding	
ENSG000002697811	3.390297	2.488963	0.000327	0.0004936	0.06	0	0.19	0.64	CTD-2245F1	lincRNA	chr19	antisense	
ENSG000001540271	-5.45895	-1.2420884	1.61E-10	1.56E-09	0.17	0.1	0.01	0	AMS	adenylyl kinase 5	chr19	protein_coding	
ENSG000004086217	-1.3386919	5.62224918	3.06E-06	1.63E-05	26.29	31.79	16.06	14.04	TGFB11	transforming growth factor beta 1 induced transcript 1	chr16	protein_coding	
ENSG000001853911	1.4698934	4.9179134	4.07E-07	2.31E-06	8.26	7.29	0.63	1.8	UR5	ubiquitin protein ligase E3 component 1-nucleo-1	chr16	protein_coding	
ENSG000001054611	-1.1763219	6.1269982	4.74E-05	0.0002031	55.63	58.28	36.07	30.93	RIFA	ribosome binding factor A (putative)	chr18	protein_coding	
ENSG000002621721	-2.81801	-2.312248	0.0000000	0.0000000	1.03	1.03	1.07	0.02	0	0	0	0	
ENSG00000188907	1.0283809	3.044413	0.0006199	0.0021096	3.03	3.81	1.08	2.9	PRMT6	protein arginine methyltransferase 6	chr19	sense_intronic	
ENSG000002617301	1.1499901	0.6701438	0.0018782	0.0052091	0.52	0.67	1.07	2.24	RP11-668I24	lincRNA	chr19	antisense	
ENSG000001329514	5.943595	1.92804	0.0000000	0.0000000	0.22	0.23	0.08	0.22	0	0	0	0	
ENSG000001097160	2.4739111	4.2165801	1.28E-15	2.12E-14	0.96	1.11	6.8	8.51	CYBD1	cytochrome b reductase 1	chr19	protein_coding	
ENSG000001282836	-1.8371585	7.08571309	3.92E-10	3.63E-09	71.32	86.41	32.33	26.27	CDC42EP1	CDC42 effector protein (Rho GTPase binding) 1	chr22	protein_coding	
ENSG000001802238	0.042529	-0.864694	6.48E-06	0.0004362	0.14	0.12	0.06	0.04	MGF	matrix Gla protein	chr17	protein_coding	
ENSG00000113418	-3.5474277	-2.068536	1.88E-05	8.57E-05	0.16	0.23	0	0.04	MGF	matrix Gla protein	chr17	protein_coding	
ENSG000002048157	-1.5324548	0.42173484	5.08E-05	0.00021703	0.62	0.78	0.33	0.31	TTC25	trichostatin A receptor repeat domain 25	chr12	protein_coding	
ENSG00000186904	2.9523816	0.492811	6.18E-06	4.28E-07	0.18	0.17	0.18	0.88	HST8R2B2B	histone H8R2B2B	chr17	protein_coding	
ENSG000002613262	3.5615651	-1.673096	1.91E-05	8.80E-05	0.1	0.12	0.06	0	LINC01355	lincRNA	chr17	antisense	
ENSG000001543911	1.10551808	0.6748833	0.003326	0.0155171	0.16	0.17	0.37	0.52	LONRF1	LOH peptidase N-terminal domain and ring finger 1	chr18	protein_coding	
ENSG000001607017	1.9219629	5.223829	0.011348	0.02394	0.21	0.06	0.19	0.41	CHRM4	cholinergic receptor, muscarinic 4	chr11	protein_coding	
ENSG00000134353	-3.8146926	0.9779417	7.83E-20	1.88E-18	0.17	0.16	0.08	0.12	RERG	RAS-like, ectoderm-regulated, growth inhibitor	chr12	protein_coding	
ENSG00000146887	1.0432076	0.182076	0.0000000	0.0000000	0.18	0.18	0.18	0.18	CCN4H1	zinc finger CCHC-type, anti-apoptotic 1-like	chr12	protein_coding	
ENSG00000104209	1.1435261	0.688791	0.0016526	0.0051629	0.05	0.06	0.19	0.11	FZD3	frizzled class receptor 3	chr18	protein_coding	
ENSG0000010178213	1.0317507	2.6385168	0.0007991	0.0026183	0.77	0.85	1.57	2.86	RIOK3	Rio kinase 3	chr18	protein_coding	
ENSG000002578391	-5.5249926	-2.862272	0.0000000	0.0000000	0.14	0.14	0.14	0.14	RP11-290L1	lincRNA	chr18	antisense	
ENSG000002670741	-2.4915433	-2.7162016	0.00943894	0.0246991	0.09	0.06	0	0	LINC00543	lincRNA	chr18	antisense	
ENSG0000010349613	-1.0598686	7.0147718	0.0001489	0.0003494	79.06	78.01	48.1	49.84	STX4	syntaxin 4	chr16	protein_coding	
ENSG0000018595811	1.6740293	1.863313	3.4E-07	2.44E-06	0.12	0.12	0.12	0.14	DRK2	drinker protein 2	chr14	protein_coding	
ENSG0000010896713	1.3885725	3.1946418	6.65E-27	6.34E-05	2.57	2.17	8.05	8.28	DHR52	dehydrogenase reductase (SDR family) member 2	chr14	protein_coding	
ENSG0000015601711	1.48710162	0.1191139	0.0002026	0.0006178	0.11	0.07	0.34	0.36	CH34H1	chromatin associated ring domain frame 41	chr9	protein_coding	
ENSG00000135379	1.2969681	7.4854807	7.17E-06	3.58E-05	40.1	39.51	21.19	22	BARD1	BARD1 associated RING domain 1	chr9	protein_coding	
ENSG000001544711	-1.2969681	7.4854807	7.17E-06	3.58E-05	40.1	39.51	21.19	22	PFD53	phosphodiesterase 5	chr9	protein_coding	
ENSG000002443321	1.4314198	0.184403	0.0000000	0.0000000	0.04	0.04	0.04	0	RP11-119K6	lincRNA	chr10	antisense	
ENSG000001862514	35140495	4.0290044	1.16E-26	4.47E-25	0.48	0.61	0.48	0.61	8.08	SPNMB	glycoprotein (transmembrane) nmII	chr7	protein_coding
ENSG000001779414	3.1623233	2.5633189	4.30E-20	1.04E-19	0.12	0.24	1.16	3.09	HLTF	helicase-like transcription factor	chr7	protein_coding	
ENSG000002302511	1.52718963	0.187164	0.0000000	0.0000000	0.57	0.57	0.57	0.57	RP11-385F5	lincRNA	chr7	antisense	
ENSG000002289057	-1.030574	4.1182375	0.0004989	0.0016199	7.16	6.73	5.16	3.87	ZNF688	zinc finger protein 688	chr16	protein_coding	
ENSG000002379456	5.7149849	1.58434762	5.16E-32	2.62E-30	0.01	0	0.42	0.42	LINC00049	lincRNA	chr16	antisense	
ENSG000004222414	-1.291938	3.2320492	8.36E-06	0.0003492	0.01	0.19	0.19	0.19	0	0	0	0	
ENSG000001880610	4.73235456	-3.138883	0.0189873	0.0419957	0	0	0.11	0	TREM4	triggering receptor expressed on myeloid cells-like 4	chr16	protein_coding	
ENSG000001633629	-2.4898442	1.0572222	1.07E-11	1.20E-10	0.9	0.48	0.18	0.14	C1orf106	chromosome 1 open reading frame 106	chr17	protein_coding	
ENSG000001070711	-1.8478987	0.0034919	0.0000000	0.0000000	0.18	0.18	0.18	0.07	MGAT4A	mannosyl transferase 4-1,3-glycosyltransferase, isozyme A	chr17	protein_coding	
ENSG000002700081	2.82361629	0.344482	1.66E-08	1.23E-07	0.18	0.19	0.18	1.32	RP11-298P3	lincRNA	chr13	processed_transcript	
ENSG000001627610	1.8219781	-0.2853752	4.90E-05	0.0002094	0.03	0.03	0.28	0.28	GFL1	growth factor independent 1 transcription repressor	chr13	protein_coding	
ENSG000004619577	-1.0349642	4.6460896	0.0000000	0.0000000	0.53	0.56	1.17	15.82	HLX3	helicase-less homeobox 3	chr13	protein_coding	
ENSG000007561816	-4.841272	7.94851503	2.81E-47	3.36E-45	150.38	127.6	7.27	5.87	FSCN1	fascin actin-binding protein 1	chr13	protein_coding	
ENSG000002733211	-0.3478193	0.1847819	0.0000000	0.0000000	0.18	0.18	0.18	0.18	RP11-621L6	lincRNA	chr13	antisense	
ENSG00000128955													

ENSG0000013764.18	-1.0230442	5.15460678	0.00041612	0.00147826	13.23	13.2	8.25	909	MAP2K5	mitogen-activated protein kinase kinase 5	chr15	protein_coding
ENSG0000018877.16	-1.0230442	5.15460678	0.00041612	0.00147826	13.23	13.2	8.25	914	DNAH11	dyx11, axonemal, heavy chain 11	chr15	protein_coding
ENSG00000162600.10	1.33312884	1.68837642	5.40E-05	0.00022876	0.64	0.83	2.25	269	OMAI1	OMAI1 zinc metalloproteinase	chr16	protein_coding
ENSG00000168807.15	2.10676163	4.02269781	5.16E-12	5.99E-11	0.44	0.57	2.67	312	SNTR2	synaptrophin, beta 2 (synaptrophin-associated protein A1, 59kDa, basic component 2)	chr16	protein_coding
ENSG0000022422.2	0.0884427	0.2966453	0.00000000	0.00000000	0.00	0.00	0.00	0	PR4-623B4		chr16	lincRNA
ENSG0000075303.11	1.74617799	-0.2096543	7.00E-05	0.00029061	0.08	0.06	0.24	4	SLC25A40	solute carrier family 25, member 40	chr7	protein_coding
ENSG0000018988.12	2.7295629	2.7493920	4.36E-16	7.64E-15	0.02	0.18	1.2	221	TK1	touled-like kinase 1	chr7	protein_coding
ENSG00000134769.20	1.645451	1.9100449	5.29E-24	1.08E-22	0.16	0.14	0.16	0	DTNA	dyxotretin, alpha	chr8	protein_coding
ENSG0000026297.14	1.31387526	4.11576852	9.29E-06	4.53E-05	3.85	3.86	13.81	117	RNASET2	ribonuclease T2	chr8	protein_coding
ENSG0000020192.6	-1.1125648	0.04895477	1.20E-13	1.66E-12	0.84	1.52	0.1	0.25	RP11-342M1		chr8	antisense
ENSG0000010402.11	1.74462398	1.07511643	4.79E-19	1.08E-17	0.08	0.20	0.02	0	IL20RA	interleukin 20 receptor, alpha	chr8	protein_coding
ENSG00000105676.12	-1.1124651	6.33311043	0.0001158	0.00049545	33.45	29.33	20.51	181.4	ARMCB	armadillo repeat containing B	chr19	protein_coding
ENSG00000234965.2	-1.925025	-2.4293964	0.00000000	0.00000000	0.13	0.16	0	0	SHSAB	shsa family member 8	chr22	protein_coding
ENSG0000024362.5	-5.0679112	1.58021	1.78E-09	1.50E-08	0.09	0.11	0	0	RP11-38014		chrX	lincRNA
ENSG0000050030.12	5.2245567	-1.0542998	4.59E-10	4.13E-09	0	0	0.07	0	KIAA2022		chrX	protein_coding
ENSG0000013913.13	2.4371933	1.9393485	6.63E-12	6.0E-11	0.07	0.07	0.03	0	PLCL1	phospholipase C, epsilon 1	chr10	protein_coding
ENSG0000015700.9	1.1687943	1.6947056	0.00035399	0.00127435	0.19	0.33	0.62	0.94	APPL1	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1	chr10	protein_coding
ENSG0000015678.15	1.4807639	1.5689014	1.971E-06	4.73E-05	0.34	0.36	0.77	1.85	TBC1D31	TBC1 domain family, member 31	chr8	protein_coding
ENSG0000014472.14	-1.4265402	-2.3253755	0.00023419	0.00078473	0.07	0.01	0.00	0	GALNTL6	glycosyltransferase 6	chr4	protein_coding
ENSG00000406428.8	-3.5910596	1.2943687	1.21E-19	2.82E-18	1.15	1.69	0.2	0.12	NKAIN1	Na+/K+ translocator ATPase interacting 1	chr1	protein_coding
ENSG0000014444.12	2.90431876	2.2427475	9.92E-14	1.37E-12	0.12	0.2	0.91	1.53	ZCCHC11	ZCCHC domain containing 11	chr1	protein_coding
ENSG0000012495.13	-1.4249208	2.9307382	4.04E-06	2.11E-05	3.24	3.66	1.99	1.47	FRKCLE4	frklike homolog 4 (Drosophila)	chr1	protein_coding
ENSG00000163608.13	1.34590405	1.80144337	3.61E-05	0.00013857	0.38	0.24	0.88	1.23	Chr17	chromosome 3 open reading frame 17	chr17	protein_coding
ENSG0000017294.15	4.7197253	2.6385729	3.07E-24	2.08E-22	0.02	0.47	0.47	1.26	MAAF9	A kinase (PKAA) anchor protein 9	chr17	protein_coding
ENSG0000017297.11	1.5719219	5.1731953	0.00010326	0.000205394	43.4	40.89	7.4	0.29	KAT5	Kinetin-inducible protein 5	chr17	protein_coding
ENSG00000106069.19	4.1338871	-0.12889	5.23E-14	7.51E-13	0.03	0.01	0.45	0.37	CHN2	chimerin 2	chr17	protein_coding
ENSG0000013274.14	2.5534479	-1.6862561	0.00044263	0.00156293	0.02	0.02	0.11	0.19	TROM2	triglycyl motif containing 2	chr11	protein_coding
ENSG00000159307.17	8.03081882	-0.7705313	3.61E-13	4.73E-12	0	0	0.06	0.13	SCUBE1	signal peptide, CUB domain, EGF-like 1	chr22	protein_coding
ENSG0000013397.8	1.28519163	5.62221452	9.86E-06	4.79E-05	9.29	8.88	3.07	28.4	ADC2K	aarF domain containing 2	chr7	protein_coding
ENSG0000016878.18	-1.2167601	-1.3421404	1.37E-06	7.72E-05	0.38	0.18	0.08	0.08	SHOX2	shox2, homeobox C	chr3	protein_coding
ENSG0000037965.5	1.64807071	1.83891003	5.25E-07	3.16E-06	0.71	0.74	3.12	2.91	HOCXB	homeobox C8	chr12	protein_coding
ENSG00000138436.13	2.88599303	0.981481	2.25E-13	3.14E-12	0.09	0.08	0.57	1.09	DNA2	DNA replication helicase/nuclease 2	chr10	protein_coding
ENSG0000013951.13	1.2842961	-0.271918	0.00026186	0.00134594	0.12	0.25	0.2	0	TSC4	tuberous sclerosis complex 4	chr10	protein_coding
ENSG0000019628.10	-2.960677	-2.4458032	0.00458284	0.01291303	0.03	0.01	0	0	ZNF493	zinc finger protein 493	chr19	protein_coding
ENSG0000017038.12	1.57073919	1.7309319	7.09E-17	1.53E-15	2.76	3.16	0.25	26.08	PIHH	pharynx-1 like protein 43	chr10	protein_coding
ENSG00000163698.15	2.7088251	2.0592882	4.89E-15	6.59E-14	0.21	0.15	0.21	0.15	MF15	myofibrin 15	chr10	protein_coding
ENSG0000010718.4	5.6752246	1.46300103	2.31E-30	1.08E-28	0.02	0.01	0.64	1.72	CTD-230H2		chr17	processed_transcript
ENSG00000124643.8	1.2734643	1.6862561	0.00000000	0.00000000	0.36	0.11	0.21	0.31	CANXSR1	catenin modulator regulated spectrin-associated protein 1	chr17	protein_coding
ENSG000001978.13	2.7472313	0.38650336	1.62E-10	1.57E-09	0.03	0.03	0.27	0.28	ATAD2B	ATPase family, AAA domain containing 2B	chr2	protein_coding
ENSG0000019625.17	1.5489377	-1.708501	0.0179289	0.04533308	0.33	0	0.68	0.68	HLX-AS1	HLX antisense RNA 1	chr1	antisense
ENSG0000019625.17	1.5489377	-1.708501	0.0179289	0.04533308	0.33	0	0.68	0.68	HLX-AS1	HLX antisense RNA 1	chr1	antisense
ENSG0000018993.13	-2.2631229	1.7594071	2.57E-11	2.75E-10	1.86	2.29	0.48	0.66	CPXL1	complexin 1	chr4	protein_coding
ENSG00000204860.4	-1.3343966	2.05870708	2.84E-05	0.001021671	1.2	1.36	0.77	0.59	FAM201A	FAM20 domain family, member A	chr19	antisense
ENSG0000016897.17	1.1942929	-0.271918	0.00026186	0.00134594	0.12	0.25	0.2	0.12	ECBF1	brain-derived neurotrophic factor	chr19	protein_coding
ENSG00000188064.8	-5.2416162	6.14954703	5.59E-52	8.53E-50	27.14	26.33	10.3	0.85	WN7B	wntless-type MMTV integration site family, member 7B	chr22	protein_coding
ENSG0000016480.13	1.0728063	1.7376861	2.71E-41	6.21E-39	0	0	2.36	0.2	GFRL1	G-protein-coupled receptor 1	chr7	protein_coding
ENSG0000024785.2	1.11418017	-1.982102	0.00000000	0.00000000	0.02	0.01	0.95	0.21	RP3-380J5.6		chr17	antisense
ENSG0000025453.1	1.13180679	0.47037007	0.02026069	0.00783149	0.17	0.21	0.54	0.58	RP1-27C5.3		chr1	protein_coding
ENSG0000024578.10	-1.098716	1.982102	0.00000000	0.00000000	4.41	5.47	0	0.38	PRK3	proline rich 3	chr1	protein_coding
ENSG00000239467.4	7.8501087	-0.2999935	4.78E-12	5.56E-11	0	0	0.92	1.9	AC007405.6		chr2	lincRNA
ENSG0000007728.12	-3.3240604	0.6667466	2.92E-26	1.09E-24	26.79	24.58	3.46	3.38	LR4	interleukin 4 receptor	chr16	protein_coding
ENSG0000024588.7	-2.4802399	-2.930587	0.00000000	0.00000000	5.8	5.8	0	0.19	IGSF23	immunoglobulin superfamily, member 23	chr16	protein_coding
ENSG00000238650.1	-1.7774977	-2.0751485	0.01397446	0.0347946	2.4	4.65	1.43	1.22	SNORD54	small nucleolar RNA, C/D box 54	chr1	protein_coding
ENSG00000213619.8	-1.3482933	7.3062023	3.17E-06	1.89E-05	83.54	69.9	39.04	41.37	NUF3F3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	chr11	protein_coding
ENSG00000244994.7	1.2842961	-0.271918	0.00026186	0.00134594	0.12	0.25	0.2	0.03	NANP3	nanos protein 3	chr11	protein_coding
ENSG0000017193.12	2.9761382	2.1472319	1.72E-17	3.40E-16	0.09	0.11	0.09	0.11	PARP14	poly (ADP-ribose) polymerase family, member 14	chr18	protein_coding
ENSG00000238282.1	2.0281077	-0.625038	3.75E-05	0.0010418	0.19	0.04	0.78	0.5	RP11-326K1		chr18	antisense
ENSG0000023529.1	1.28617058	0.00661695	0.00000000	0.001547182	1.29	1.48	0.44	1.48	ACAP1	ACAP1 intronic transcript 1	chr18	antisense
ENSG0000012033.13	1.1032473	2.6678669	0.00034508	0.00124524	2.7	2.86	6.58	9.4	MTIF3	mitochondrial transitional initiation factor 3	chr13	protein_coding
ENSG00000164318.16	1.9570429	1.8130923	0.00000000	0.00000000	0.23	0.23	0	0.13	GFPLAM1	EGF-like, fibronectin type III and laminin G domains	chr13	protein_coding
ENSG00000102316.15	-1.6054253	7.4141177	3.59E-08	2.54E-07	86.68	70.38	36.36	32.7	MAGED2	melanoma antigen family D2	chr22	protein_coding
ENSG00000128498.8	1.13061395	5.10295725	0.00010099	0.00400654	11.83	11.99	36.69	32.7	RIBC2	RIBASA domain with coiled-coils 2	chr22	protein_coding
ENSG00000153214.8	-1.820236	2.2111	1.14E-05	5.66E-05	0.36	1.1	0.36	0.33	MTMB	mitochondrial transcription b	chr22	protein_coding
ENSG0000025670.3	1.2476010	1.6824449	0.0001487	0.00050616	2	1.6	6.55	4.85	URB1-AS1	URB1 antisense RNA 1 (head to head)	chr19	lincRNA
ENSG0000014431.11	1.14881261	1.03516621	0.00107319	0.00350545	0.17	0.1	0.28	0.53	ACAP2	ACAP with coiled-coil, ankirin repeat and PH domains 2	chr3	protein_coding
ENSG0000025396.3	1.9459205	1.68874	0.00000000	0.00000000	0.12	0.12	0.04	0.04	FCGBP	Fc gamma receptor binding protein	chr17	protein_coding
ENSG00000198388.7	1.59052475	0.1921495	7.54E-05	0.00013153	0.34	0.2	1.07	1.14	INCA1	inhibitor of CDX cyclin A1 interacting protein 1	chr17	protein_coding
ENSG00000106295.6	-4.6314905	0.814725	3.07E-24	1.01E-22	0.41	0.36	0.01	0.03	ILL1	interleukin 1-like 1	chr17	protein_coding
ENSG00000230077.1	1.5923953	2.930587	0.00000000	0.00000000	17.9	19.9	0	4.65	RP11-25447		chr17	lincRNA
ENSG0000020620.4	-8.6755977	-0.34011	3.09E-19	7.03E-18	0.17	0.14	0	0	CTD-226F5		chr5	antisense
ENSG00000168579.8	1.28617058	4.9313918	9.52E-11	1.20E-11	3.86	3.65	3.17	25.96	HIST1H2AC	histone cluster 1, H2ac	chr6	protein_coding
ENSG0000021196.3	-2.243923	-2.783042	0.0019662	0.00369166	0.24	0.13	0.06	0.08	CTD-459P1		chr6	antisense
ENSG00000147403.15	-2.7778733	8.87106073	5.38E-20	1.29E-18	241.81	234.69	5.04	41.95	RP10	ribosomal protein L10	chrX	protein_coding
ENSG0000025441.1	1.1812681	2.814262	0.00000000	0.00000000</								

ENSG0000015061.20	126437533	13822539	0.00018781	0.00071214	0.1	0.11	0.26	041	RABGAP1L	RAB GTPase activating protein 1-like	chr1	protein_coding
ENSG00000208391.13	126437533	13822539	0.00018781	0.00071214	0.1	0.11	0.26	015	DCP1L1	5S ribosomal protein DCP1-like	chr1	protein_coding
ENSG00000207136.4	-1.7385341	733821631	2.78E-09	2.31E-08	135.89	112.47	51.91	47.22	MINOS1-NB	MINOS1-NBL1 reactivating protein	chr1	protein_coding
ENSG00000138496.14	144203329	177226583	1.17E-05	5.60E-05	0.15	0.17	0.47	0.69	NUPR1	nucleoporin like 1	chr13	protein_coding
ENSG00000144730.15	126437533	13822539	0.00018781	0.00071214	0.1	0.11	0.26	007	ILKAP3	integrin-linked receptor 2	chr13	protein_coding
ENSG00000181210.9	-1.924131	42820095	1.59E-10	1.55E-09	7.45	7.44	2.24	0.31	FARS8	phenylalanyl-tRNA synthetase, beta subunit	chr2	protein_coding
ENSG00000137142.4	113712715	327319178	0.0001658	0.0003449	1.39	1.56	3.14	5.56	FDX1	ferredoxin 1	chr11	protein_coding
ENSG0000018074.14	113712715	327319178	0.0001658	0.0003449	1.39	1.56	3.14	0	ACAD10	ADAM metalloproteinase domain 19	chr11	protein_coding
ENSG00000170385.9	16844442	322157532	3.96E-08	2.78E-07	0.58	0.71	2.01	3.57	SLC30A1	solute carrier family 30 (zinc transporter), member 1	chr1	protein_coding
ENSG00000235621.1	-2.8049681	375113795	7.28E-05	6.61E-17	17.78	9.47	2.77	2.85	UNC11937	long intergenic non-protein coding RNA 1137	chr1	antisense
ENSG00000270000.1	6.0981958	-2.6004629	0.0012185	0.0004462	0.43	0.53	0	0	RFC448M1	0	chr19	antisense
ENSG00000219911.7	-1.1976919	51442882	3.84E-05	0.00016793	15.02	11.91	7.71	7.96	KIF16	Kuempel-like factor 16	chr19	protein_coding
ENSG00000148461.0	1.5883989	-0.9781302	0.0012185	0.0004462	0.43	0.53	0	0	ADPRN	ADP-ribosylarginine hydrolase	chr3	protein_coding
ENSG00000280191.2	-1.5066326	447566014	4.83E-05	0.00020679	2.06	2.5	0.94	1.18	CHS07-42P1	0	chr21	antisense
ENSG00000096769.18	17642461	184207030	1.10E-07	7.32E-07	0.48	0.65	2.16	2.98	DNAIC25	DnaI (Hsp40) homolog, subfamily C, member 25	chr9	protein_coding
ENSG00000168670.8	6.6267961	-1.9450451	6.25E-05	0.00010174	0.25	0.1	0.23	0.19	MMR10	maternal metalloproteinase 10	chr11	protein_coding
ENSG0000014996.10	-1.1040532	6.60997253	0.00042514	0.00150739	23.41	24.56	16.35	15.26	KLC2	kinesin light chain 2	chr11	protein_coding
ENSG00000085203.13	19835977	1.8156032	3.34E-09	2.74E-08	0.1	0.1	0.4	0.69	DIS3	DIS3 exosome endoribonuclease and 3'-5' exonuclease	chr13	protein_coding
ENSG00000135926.11	-1.1898022	6.7716003	3.84E-05	0.00016792	41.35	39.61	23.81	23.4	TMBM1	transmembrane BAX inhibitor motif containing 1	chr2	protein_coding
ENSG0000013625.7	1.6676965	103194801	7.28E-08	4.98E-07	0.55	0.75	2.14	3.4	LEPROT	lectin receptor overexpression transcript	chr12	protein_coding
ENSG00000185482.6	1.6301823	67526008	1.39E-05	6.58E-05	0.18	0.55	1.3	1.68	STAC3	SH3 and cysteine rich domain 3	chr12	protein_coding
ENSG00000180192.12	2.045119	3.952308	7.85E-12	3.90E-11	0.78	1.38	5.1	7.21	MPHOSPH8	M-phosphatase 8	chr10	protein_coding
ENSG00000279869.1	1.9132877	0.8787076	2.50E-07	1.58E-06	0.19	0.13	0.75	0.91	RP11-574K1.1	0	chr10	TEC
ENSG0000018504.2	2.8884316	1.9520197	2.20E-10	6.94E-15	0.11	0.11	0.68	1.61	SMC2	structural maintenance of chromosomes 2	chr9	protein_coding
ENSG00000125340.6	9.4523206	1.7485703	9.31E-09	6.59E-08	0.26	0.17	0.69	2.56	RKL	RK-like	chr10	protein_coding
ENSG00000188255.1	-4.2250956	4.8177052	1.21E-36	7.58E-35	17.54	19.57	12.3	14.1	CTCF	connective tissue growth factor	chr6	protein_coding
ENSG0000013708.11	2.19774536	17.7025709	9.31E-12	8.19E-11	0.72	1.69	5.27	9.5	HAT1	histone acetyltransferase 1	chr1	protein_coding
ENSG0000001460.16	-1.6488173	2.6274900	1.25E-07	8.27E-07	2.41	2.8	0.95	1.27	STPG1	sperm-tail PG-rich repeat containing 1	chr1	protein_coding
ENSG00000204381.10	5.02651956	-2.9650444	0.00538165	0.01488851	0	0	0.9	0.01	LAYN	layrin	chr11	protein_coding
ENSG00000204392.9	1.1986136	5.6144322	3.67E-05	0.00021008	70.07	60.82	35.84	37.65	LSM2	LSM2 homolog, ultra small nuclear RNA associated (S. cerevisiae)	chr5	protein_coding
ENSG00000080083.12	-1.2473161	5.12150054	1.87E-05	8.57E-05	6.07	7.41	0.9	3.66	JARID2	jumonji, AT home repressive domain 2	chr11	protein_coding
ENSG00000142347.15	-2.8841224	-1.3381041	4.68E-06	2.42E-05	0.15	0.09	0.02	0.02	MYO1F	myosin I F	chr19	protein_coding
ENSG0000028040.7	1.980324	-1.8881783	2.96E-05	0.00011474	0.25	0.1	0.61	0.41	MDM1-AS1	MDM1 antisense RNA 1	chr19	antisense
ENSG00000099624.6	-1.3448677	8.47920193	3.27E-06	1.74E-05	426.48	401.59	226.79	207.19	ATP5D	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit	chr19	protein_coding
ENSG0000017106.10	1.5331466	0.0054521	0.00136165	0.0004468	0.07	0.03	0.14	0.03	RP11-551L1.1	0	chr19	protein_coding
ENSG000002347.6	1.720313	0.24552971	5.78E-06	2.93E-05	0.76	0.7	0.31	0.26	RP11-551L1.1	0	chr19	antisense
ENSG00000224845.1	6.126003	-1.1469007	1.40E-05	6.61E-05	0.18	0.1	0.13	1.07	RP11-821L1.1	0	chr9	sense_intronic
ENSG00000100655.15	1.0272733	7.183942	0.00012942	0.0004929	21.38	10.92	10.92	0.29	TKF2	inositol-tetraakisphosphate 1-kinase	chr14	protein_coding
ENSG0000040231.15	1.1513407	0.1700428	0.0038689	0.01067881	0.15	0.3	0.47	0.83	SPAT7	spermatogenesis associated 7	chr14	protein_coding
ENSG0000027417.4	3.2194815	-1.9245403	6.46E-05	0.00026805	0.06	0	0.64	0.17	AC007285.6	0	chr17	antisense
ENSG00000130775.14	6.8252319	-1.9320183	0.00012942	0.0004929	0.1	0.1	0.4	0.11	THEX2F1	Thromboxane selection associated family member 2	chr1	protein_coding
ENSG0000021870.11	6.1415325	-2.30654	2.70E-05	0.00012094	0	0	0.91	0.28	RP11-97C16.1	0	chr3	antisense
ENSG00000178105.12	1.7253453	3.6832052	1.23E-09	4.77E-07	0	0	11.89	15.96	HOMXD10	homeobox D10	chr2	protein_coding
ENSG0000024954.1	1.5443896	0.8023802	3.43E-02	9.74E-21	0.1	0.41	0.24	4.39	RP11-70556	0	chr2	protein_coding
ENSG0000014366.14	-5.3742532	-2.9467828	0.0029522	0.0085312	0.03	0.02	0	0	GULP1	GULP, enrichment adaptor PTP domain containing 1	chr2	protein_coding
ENSG00000104636.12	-1.9220054	5.6483681	8.18E-11	8.26E-10	13.3	14.29	4.74	4.96	MKB6	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	chr8	protein_coding
ENSG0000018648.10	1.9239643	1.8529239	1.34E-09	3.33E-08	31.9	28.08	23.08	28.08	CtBP3B	chromatin 3 open reading frame 3B	chr10	protein_coding
ENSG00000182919.13	1.4889741	1.2496025	1.67E-05	7.79E-05	0.25	0.19	0.56	1.12	CL110F04	chromosome 11 open reading frame 54	chr11	protein_coding
ENSG0000013560.1	1.24729528	1.124134	0.00012942	0.0004929	0.1	0.1	0.4	0.1	RP11-166B2	0	chr10	sense_intronic
ENSG0000010817.14	1.17121282	-0.0027455	0.0048881	0.0137081	0.04	0.25	0.34	0.54	PBLD	phenazine biosynthesis-like protein domain containing	chr10	protein_coding
ENSG00000208244.1	1.4522401	2.6801663	2.87E-06	1.55E-05	3.07	2.48	7.62	12.76	RP11-74501.1	0	chr12	protein_coding
ENSG0000010478.13	1.402829	1.2245178	0.00012942	0.0004929	0.1	0.1	0.4	0.48	ARX1	arctin-related protein complex 4, sigma 1 subunit	chr12	protein_coding
ENSG00000198130.13	1.0412894	1.757591	0.00128381	0.00413307	0.7	0.52	1.64	1.71	HIBC8	3-hydroxyisobutyryl-CoA hydrolase	chr2	protein_coding
ENSG00000202937.1	1.4153555	-1.9107122	1.13E-05	5.42E-05	0.04	0	0.4	0.66	SC2T-AS1	SC2T antisense RNA 1	chr1	antisense
ENSG00000170989.9	1.050113	0.00012942	0.00012942	0.0004929	1.4	1.82	0.4	0.3	CSX2	chromatin 3 open reading frame 4	chr1	protein_coding
ENSG00000128675.14	4.9102659	-3.0611096	0.0100455	0.0282872	0	0	0.03	0.01	ARHGFE6	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	chr6	protein_coding
ENSG00000270562.1	5.2074797	-2.8911389	0.00538165	0.01488851	0	0	0.05	0.07	RP11-154H2.1	0	chr9	lincRNA
ENSG00000125171.11	1.4489715	3.8244861	1.44E-06	8.11E-06	6.33	4.4	0.02	0.43	SDC2A	SDC domain containing 2	chr19	protein_coding
ENSG00000148011.14	1.6428789	3.9983116	6.38E-08	3.05E-07	1.58	2.07	0.65	9.17	H1A1TL1	hippocampus abundant transcript-like 1	chr1	protein_coding
ENSG000002738.3	1.5894553	1.00012942	0.00012942	0.0004929	0.1	0.1	0.42	0.4	SRCA1	signal regulatory alpha 1	chr17	protein_coding
ENSG00000189813.8	-9.031251	-0.0003168	1.34E-12	3.88E-11	0.92	1.04	0	0	HMX2	H6 family homeobox 2	chr10	protein_coding
ENSG00000244649.3	3.1367198	-1.977454	0.00060878	0.00209711	0	0.03	0.2	0.14	CTD-237D2.1	0	chr17	lincRNA
ENSG0000012559.12	1.9354869	1.00012942	0.00012942	0.0004929	0.1	0.1	0.4	0.48	MDM1	MDM2 family inhibitor, corepressor protein V	chr17	protein_coding
ENSG0000016582.8	-1.1870775	5.6558663	4.23E-05	0.00018375	31.72	30.81	18.78	17.78	CENPV	centromere protein V	chr17	protein_coding
ENSG00000277459.1	2.9368293	0.8313983	3.53E-13	4.64E-12	0.42	0.58	6.09	4.23	RP11-732A2.1	0	chr17	lincRNA
ENSG0000018786.13	1.5461846	0.1331021	0.00012942	0.0004929	0.1	0.1	0.4	0.32	MYT1	myrophthalmin-associated transcription factor	chr17	protein_coding
ENSG00000198133.7	3.5168021	-1.7052417	2.93E-05	0.00013031	0.01	0.15	0.07	0.07	TMEM229B	transmembrane protein 229B	chr14	protein_coding
ENSG00000124713.5	2.2019256	-1.6531997	0.00158671	0.00496852	0.07	0.05	0.3	0.51	GNMT	glycine N-methyltransferase	chr14	protein_coding
ENSG00000233117.2	-5.3797197	0.00012942	0.00012942	0.0004929	0	0	0.03	0	UNC00702	long intergenic non-protein coding RNA 702	chr10	antisense
ENSG00000130147.14	-1.1499321	5.8614724	7.06E-05	0.0002928	10.83	12.8	7.04	7.14	SH3BP4	SH3 domain binding protein 4	chr2	protein_coding
ENSG00000168007.6	1.9387656	-1.2920263	0.0010376	0.00339765	0.11	0.04	0.41	0.41	RP11-R36	protein phosphatase 1, regulatory subunit 36	chr14	protein_coding
ENSG00000168452.7	1.4239922	1.2920263	0.0010376	0.00339765	0.11	0.04	0.41	2.5	RP11-4	0	chr14	protein_coding
ENSG00000163049.9	3.0304527	-2.0542498	0.00094481	0.0031013	0	0	0.09	0.03	SLC15A2	solute carrier family 15 (oligosaccharide transporter), member 2	chr3	protein_coding
ENSG00000143671.0	1.24729528	1.124134										

ENSG0000027883.1	-2.1864719	-1.106912	4.42E-05	0.00019159	0.75	0.037	0.16	RP11-398C1.1	--	chr10	lncRNA	
ENSG0000027654.4	1.2426202	1.4437547	0.0000000	0.0000000	0.79	0.21	0.17	PCOLCE2	polymerase (RNA) (5' DNA directed) polypeptide 2	chr10	protein_coding	
ENSG0000012954.2	2.1402972	2.3822464	5.27E-11	5.45E-10	0.24	0.021	0.96	LC1A1	lysocardiolipin acyltransferase 1	chr12	antisease	
ENSG0000027677.1	5.4694585	-2.7387023	0.0018000	0.00499521	0.0	0.027	0.23	RP11-12K3.3	--	chr12	antisease	
ENSG0000035665.7	5.95785	6.94455	1.0E-05	9.4E-05	1.06	1.0	4.75	IT16	interferon, gamma-inducible protein 16	chr12	protein_coding	
ENSG0000018202.16	-1.1822637	3.539409	7.22E-05	0.00029984	1.82	2.16	1.1	CHST15	carbohydrate (N-acetylglucosamine 4-sulfate 6-O) sulfotransferase 15	chr10	protein_coding	
ENSG0000014830.10	-1.451263	7.8448042	5.58E-07	3.35E-06	108.71	117.09	36.5	RHXO4	REX4, RNA exuclease 4 homolog (S. cerevisiae)	chr9	protein_coding	
ENSG0000011711.8	1.1394918	1.6435457	1.44E-05	0.00012896	0.44	0.027	0.15	CCND1B	cyclin D1 transcription 1B	chr12	protein_coding	
ENSG0000017524.17	-1.1442524	6.0691542	7.54E-05	0.00031153	14.68	15.4	3.95	TP53I1	tumor protein 53 homolog protein 11	chr9	protein_coding	
ENSG0000025669.1	-1.8376594	-1.9860080	0.0196235	0.04677036	0.45	0.19	0.11	RP11-727F1.1	--	chr11	antisease	
ENSG0000013010.12	-1.2743604	0.2594242	0.0014942	0.006-07	0.0	0.0	0.01	ALDH4L2	aldehyde dehydrogenase 1, family member 2, long isoform	chr12	protein_coding	
ENSG0000020478.11	-8.3637944	-0.653741	1.25E-16	2.30E-15	0.03	0.03	0.0	SNHG14	small nucleolar RNA host gene 14	chr15	antisense	
ENSG0000013587.12	-5.392865	3.240913	8.67E-11	1.26E-09	1.39	1.58	0.0	TRP12	thyroid hormone receptor interactor 12	chr2	protein_coding	
ENSG0000093661.10	7.08517016	2.3359864	6.06E-44	5.83E-42	0.0	0.06	5.96	CLRS4	ceramide synthase 4	chr19	protein_coding	
ENSG0000017545.10	-2.9849499	2.9996637	9.06E-20	2.14E-18	2.74	3.35	0.39	NRP1	neural receptor subfamily 2, group F, member 1	chr2	protein_coding	
ENSG0000026399.1	5.0566006	-2.9942029	0.03045	0.0302742	0	0.14	0.24	RP11-512M2	--	chr19	TEC	
ENSG0000023454.6	1.5989513	3.5673412	1.27E-07	8.44E-07	1.88	1.68	0.08	FAM133B	family with sequence similarity 133, member B	chr7	protein_coding	
ENSG0000010670.16	-4.914823	6.04250746	3.84E-47	4.55E-45	16.14	15.91	6.72	GRB10	growth factor receptor-bound protein 10	chr7	protein_coding	
ENSG0000010524.12	1.0795329	4.0771732	0.0032408	0.00029042	0.44	3.27	1.11	DYRK1B	dual-specific tyrosine(l)-phosphatase regulated kinase 1B	chr19	protein_coding	
ENSG0000056487.14	4.93613345	1.769493	1.10E-29	4.99E-28	0.01	0.07	1.87	PHF21B	PHD finger protein 21B	chr22	protein_coding	
ENSG0000019919.13	1.9345448	2.5050009	4.23E-10	3.91E-09	1.17	1.52	3.74	ITM1B	ITRA methyltransferase 6	chr20	protein_coding	
ENSG0000016407.12	-1.1567872	1.6392611	0.004256	0.00150966	2.74	1.79	0.5	LMCO1	LM domain only 1 (Fibrotin1)	chr11	protein_coding	
ENSG0000016813.15	-1.6046392	4.973388	4.99E-08	3.48E-07	42.65	31.56	16.44	PPP1R35	protein phosphatase 1, regulatory subunit 35	chr7	protein_coding	
ENSG00000181754.8	-1.212929	3.0153994	1.20E-11	1.34E-10	2.6	2.04	0.6	AMGOL3	adhesion molecule with Ig-like domain 1	chr11	protein_coding	
ENSG0000017946.13	2.2989742	0.3399773	9.35E-09	6.48E-08	0.09	0.09	0.25	DNAC24	DNA (PisG) homolog, subfamily C, member 24	chr11	protein_coding	
ENSG0000016243.12	2.0501566	0.89566135	5.57E-08	3.87E-07	0.17	0.29	1.03	RP11-10070.1	--	chr15	lncRNA	
ENSG0000018391.5	1.6974075	0.6795268	9.22E-07	5.38E-06	0.52	0.61	0.29	ITC2	tetrasplicing repeat domain 32	chr2	protein_coding	
ENSG0000012432.12	-2.1938787	9.2832387	1.37E-13	1.88E-12	986.05	273.26	2.92	PRDX5	peroxiredoxin 5	chr11	protein_coding	
ENSG0000093926.7	-1.2547082	4.7748837	1.77E-05	8.21E-05	10.29	9.23	5.83	MZF1	myeloid zinc finger 1	chr19	protein_coding	
ENSG00000257315.1	5.1031924	-0.980239	3.95E-14	4.89E-13	0.0	0.0	0.32	TRPC6	zinc finger, BED-type containing 6	chr11	protein_coding	
ENSG0000012478.12	-1.7701301	0.13335054	7.89E-06	3.91E-05	0.63	1.1	0.29	PPP40	ribonuclease P/MRP 40kDa subunit	chr19	protein_coding	
ENSG0000018605.14	-4.561253	-0.4331721	1.36E-14	2.08E-13	0.29	0.36	0.03	GRH13	granulin-like 13 (Drosophila)	chr15	antisease	
ENSG0000012891.16	-2.84429	2.84429	6.07E-08	1.28E-07	0.62	0.8	0.39	DILA	diacylglycerol lipase 4	chr15	antisease	
ENSG0000027540.1	-1.1394568	-0.5985263	0.0017161	0.00532936	1.56	0.29	0.37	XOAC-BPG2	solute carrier family 43, member 3	chr11	antisease	
ENSG0000013402.16	-1.1807163	0.1330923	1.51E-05	0.00019358	1.85	1.88	0.0	SLC3A3	solute carrier family 3, member 3	chr11	protein_coding	
ENSG0000012523.16	-0.0026926	4.1643451	0.0006926	0.00210702	11.26	3.6	6.74	HAGHL	hydroxyglutarylglutamate hydrolase-like	chr16	antisease	
ENSG0000010344.9	-2.398422	2.9148863	5.23E-14	7.51E-13	3.22	4.1	0.8	PNPLA3	patatin-like phospholipase domain containing 3	chr22	protein_coding	
ENSG0000014778.17	1.2197402	0.6454161	0.0000000	0.0000000	0.22	0.19	0.0	CD2APBPA	CD24 binding protein kinase associated (DMPK-like)	chr11	protein_coding	
ENSG0000018267.12	2.1678795	3.8003397	6.63E-12	7.60E-11	0.15	0.23	0.81	145TCS	tetrasplicing repeat domain 3	chr21	protein_coding	
ENSG0000018733.9	-1.5414226	6.40455321	1.24E-07	8.22E-07	129.09	103.44	54.06	NPM3	nucleophosmin/nucleolar protein 3	chr10	protein_coding	
ENSG0000040397.10	1.0288778	0.2202117	6.22E-12	2.7E-11	0.56	0.11	0.25	URE2C2	ureidyl transferase 2, cytosolic family member 2	chr10	protein_coding	
ENSG0000013766.13	-3.7072159	4.1550368	4.45E-30	2.05E-28	482	562	0.5	SLC22A23	solute carrier family 22, member 23	chr10	protein_coding	
ENSG00000101624.9	1.4937067	1.8444787	5.21E-06	2.66E-05	0.6	0.4	1.56	CEP76	centrosomal protein 76kDa	chr18	protein_coding	
ENSG0000011858.16	-1.1068262	3.7320923	1.85E-05	2.06E-05	109.8	148.6	53.89	ITIH4	fibronectin type III domain containing 4	chr1	protein_coding	
ENSG0000016236.14	2.35539137	0.6019779	3.46E-09	2.83E-08	0.03	0.1	0.26	FAM102B	family with sequence similarity 102, member B	chr1	protein_coding	
ENSG00000271979.1	7.29530124	-1.4026834	7.05E-10	6.28E-09	0.0	0.0	0.07	RP11-12M1	--	chr10	antisease	
ENSG0000012779.15	1.8278928	2.6029218	6.75E-09	5.31E-08	0.19	0.36	0.0	TRMT2B	transcript methylase containing 2B	chr12	antisease	
ENSG0000013967.12	-1.2200653	6.0661391	2.51E-05	0.00011343	64.08	55.52	35.63	CLIZF10	chromosome 12 open reading frame 10	chr12	protein_coding	
ENSG00000101489.8	1.224656	2.7280788	1.23E-05	1.04E-04	0.0	0.0	0.0	MS2C	muscle homeobox 2	chr1	lncRNA	
ENSG00000257164.1	1.5647364	-1.4056201	0.00667945	0.0181213	0.24	0.2	1.38	RP11-439C1.1	--	chr10	antisease	
ENSG00000128025.8	-4.7939316	-1.8009225	3.05E-08	2.18E-07	0.03	0.1	0.0	KOR	kinase insert domain receptor	chr10	protein_coding	
ENSG0000056448.10	1.0004492	0.0004492	0.018848	0.02865071	0.0	0.0	0.0	SLC16A2	solute carrier family 16, member 2	chr10	protein_coding	
ENSG0000015425.11	-6.2738548	-2.380434	2.70E-05	0.00012094	0.21	0.12	0.0	KOR	kinase insert domain receptor	chr10	protein_coding	
ENSG0000019989.13	2.1712033	2.7918934	1.10E-11	1.23E-10	0.3	0.46	1.87	STIM2	stromal interaction molecule 2	chr10	protein_coding	
ENSG0000011860.19	1.213186	1.1462923	1.23E-06	1.04E-05	1.11	1.1	1.05	PCOLCE	polychaete collagen containing, family G (with RhoGef domain) member 5	chr10	protein_coding	
ENSG0000018900.5	1.4621612	5.75314565	5.46E-07	3.28E-06	5.04	7.4	17.51	TOP1	topoisomerase (DNA) I	chr20	protein_coding	
ENSG0000025468.5	1.4998992	-0.517423	0.0013669	0.00444053	0.17	0.17	0.73	RP11-867G.2	--	chr11	antisease	
ENSG0000018997.6	1.213186	1.1462923	1.23E-06	1.04E-05	1.11	1.1	1.05	PCOLCE	polychaete collagen containing, family G (with RhoGef domain) member 5	chr10	protein_coding	
ENSG00000259972.2	1.81322036	-1.532182	0.0049493	0.0139272	0.09	0.04	0.16	AC	actin	chr16	antisease	
ENSG0000024903.1	1.213186	1.1462923	0.0013669	0.00444053	0.17	0.17	0.73	RP11-867G.2	--	chr11	antisease	
ENSG0000014523.9	2.0534585	0.2400152	4.73E-07	2.87E-06	0.48	0.04	0.88	111 FAM71E1	family with sequence similarity 71, member E1	chr19	protein_coding	
ENSG0000020406.10	1.17915017	-0.0448325	0.0003432	0.01098079	0.03	0.05	0.11	MBD5	methyl-CpG binding domain protein 5	chr2	protein_coding	
ENSG0000010395.12	2.7298026	0.2229238	0.0013669	0.00444053	0.17	0.17	0.73	RP11-867G.2	--	chr11	antisease	
ENSG0000010746.5	1.5825251	0.8686082	1.54E-05	0.00011128	0.11	0.08	0.3	0.4	ZNF175	zinc finger protein 175	chr19	protein_coding
ENSG0000021874.4	-6.4370381	-2.2644557	5.19E-06	2.66E-05	0.13	0.29	0.0	ZNF212	zinc finger protein 212, pseudogene	chr19	protein_coding	
ENSG0000024115.11	1.3191907	0.9429438	6.37E-07	1.00E-06	2.09	6.19	13.62	DNAC25-G1	DNA (PisG) homolog, subfamily G, member 1	chr19	protein_coding	
ENSG0000014950.12	-2.7396953	3.2827553	1.29E-17	2.49E-16	1.94	2.08	0.46	NUAK1	NUAK family, serine/threonine kinase 1	chr12	protein_coding	
ENSG0000017432.4	-3.4156583	1.4325295	7.22E-19	1.60E-17	1.44	1.11	0.23	GUS1	GUS1 family, serine/threonine kinase 1	chr12	protein_coding	
ENSG0000014761.13	-1.0289894	1.0289894	3.9E-09	5.12E-08	0.52	0.69	0.0	ORP1	oxysterol-binding protein 1	chr12	protein_coding	
ENSG0000017610.12	-1.1869929	5.0331344	3.94E-05	0.00017212	13.58	10.99	6.89	142 SHPK1	shpkinase class 1, member 1	chr17	protein_coding	
ENSG0000011862.8	1.7521764	1.26236703	2.70E-08	1.95E-07	0.23	0.26	0.32	PNPLA3	patatin-like phospholipase and tension homolog	chr10	protein_coding	
ENSG0000012486.15	-1.2561902	2.2561902	1.23E-05	2.41E-05	3.79	4.69	0.0	APC	adenomatous polyposis coli	chr17	antisease	
ENSG0000017607.13	-1.1135059	6.9320007	0.0013177	0.00045025	22.59	23.64	15.07	SLC35A4	solute carrier family 35, member A4	chr5	protein_coding	
ENSG0000014480.14	-1.7427448	0.0000000	0.0000000	0.0000000	1.09	1.46	0.07	COL18A1	collagen type VIII alpha 1	chr10	protein_coding	
ENSG0000018449.10	1.0263728	1.94145835	0.0013543	0.00434678	0.86	0.53	1.87	PTP4A3	protein tyrosine phosphatase type IVA, member 3	chr10	protein_coding	
ENSG0000021394.7	2.1284282	1.3358775	2.02E-12	2.46E-11	0.67	0.51	4.1	LPE-AS1	LPE antisense RNA 1	chr19	antisease	
ENSG0000022980.4	1.0449844	0.0000000	0.0000000	0.0000000	0.0	0.0	0.0	TOB antisense RNA 1	TOB antisense RNA 1	chr19	antisense	
ENSG0000017432.6	1.3010294											

ENSG00000192920.10	171715323	033193065	1776-05	8.19E-05	0.09	0.24	0.93	048 C2orf81	chromosome 2 open reading frame 81	chr2	protein_coding
ENSG00000147050.13	176600381	-03924231	467E-08	3.27E-07	0.05	0	0.17	149 KDM6A	lysine (K)-specific demethylase 6A	chr2	protein_coding
ENSG00000134215.14	276600381	-03924231	467E-08	3.27E-07	0.05	0	0.17	032 VAV3	vav 3 guanine nucleotide exchange factor	chr2	protein_coding
ENSG00000098491.41	146873544	231633038	456E-06	2.37E-05	0.32	0.24	0.76	133 SLC25A22	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 24	chr2	protein_coding
ENSG00000147888.18	18754444	175606248	1.75E-06	9.70E-06	10.61	9.89	5.65	444 KCF2	Kupffer cell protein 2	chr19	protein_coding
ENSG00000124888.18	-13873257	025858852	175E-06	9.70E-06	10.61	9.89	5.65	477 NCOO2	NAD(P)H dehydrogenase, quinone 2	chr19	protein_coding
ENSG00000252177.4	-32744453	07462393	1.13E-15	1.92E-14	2.08	1.93	1.16	038 RP11-390A2	...	chr16	antisense
ENSG00000169282.18	174143631	189434198	1.72E-16	2.31E-15	1.36	1.17	1.05	105 NKX2-1	NKX homeobox 1	chr16	antisense
ENSG0000017435.12	348839891	-06785953	2.25E-09	1.88E-08	0.01	0	0.07	005 KSR2	kinase suppressor of ras 2	chr12	protein_coding
ENSG0000019876.3	157869233	139845838	6.02E-06	0.04E-05	0.24	0.36	1.21	115 KRC1	activity-regulated cytoskeleton-associated protein	chr8	protein_coding
ENSG0000016326.15	14563444	149009594	0.000129	0.000295	0.13	0.85	0.74	072 CXOR18	CXOR18 cytochrome c oxidase assembly factor	chr14	protein_coding
ENSG0000021858.9	605135458	046149028	8.89E-23	2.61E-21	0.03	0	1.23	153 TNFSF10	tumor necrosis factor (ligand) superfamily, member 10	chr8	protein_coding
ENSG0000020421.4	18022275	420371428	0.000129	0.000295	0.13	0.85	0.74	197 MAP2K9	mitogen-activated protein kinase kinase kinase 9	chr14	protein_coding
ENSG00000100024.11	-81533074	202885485	1.55E-37	1.03E-35	1.17	0.95	0.05	0 WVASA	von Willebrand factor A domain containing 5A	chr11	protein_coding
ENSG00000186230.11	158976321	146134056	8.54E-08	5.77E-07	1.48	1.34	5.44	59 TTC39C	tetratricopeptide repeat domain 39C	chr18	protein_coding
ENSG00000189230.11	-16709453	102931462	0.000129	0.000295	0.13	0.85	0.74	231.63 RPL4	ribosomal protein L4	chr18	protein_coding
ENSG00000218995.7	23098274	136728045	5.72E-09	4.55E-08	0.54	0.39	1.85	328 AC009403.2	...	chr7	antisense
ENSG00000141744.3	-33002638	00678374	6.73E-11	6.89E-10	1.23	0.78	0.33	002 PHMT	phenylethanolamine N-methyltransferase	chr17	protein_coding
ENSG00000122861.14	-81222439	-02695396	1.59E-12	1.86E-11	0.32	0.42	1.07	003 RLAI1	retromer activator, tyrosinase	chr10	protein_coding
ENSG00000117262.17	15686359	219421138	1.01E-06	5.82E-06	0.97	0.96	2.96	353 GPR89A	G protein-coupled receptor 89A	chr19	protein_coding
ENSG00000267157.3	-11820318	26726326	0.000129	0.000494	0.12	0.89	0.66	446 C19orf62	...	chr19	protein_coding
ENSG00000231671.1	43296262	04924449	2.93E-17	4.95E-16	0	0	0.39	445 RP2-520211.1	...	chr19	antisense
ENSG00000183291.14	115220688	334167956	0.000129	0.000503	0.23	2.39	2.98	001	1102 15-Sep --	chr1	protein_coding
ENSG00000431614.2	25209258	372737661	5.36E-11	5.54E-10	1.11	1.11	1.11	798 CDCAF6	DOB1 and CUL4-associated factor 6	chr1	protein_coding
ENSG00000244475.5	51021713	-1259311	7.85E-09	1.52E-08	0	0	0.13	023 PIPR6-AS1	PIPR6 antisense RNA 1	chr1	antisense
ENSG00000174444.13	-13369862	113957552	3.62E-06	1.91E-05	862.21	839.2	424.78	454.22 RPL4	ribosomal protein L4	chr15	protein_coding
ENSG00000168947.5	-18322584	353831117	1.78E-09	1.51E-08	1.36	1.65	0.52	061 RSL1	insulin receptor substrate 1	chr15	protein_coding
ENSG00000267424.1	-58234587	073619258	8.99E-28	3.70E-26	4.34	2.8	0	015 CTD-226502 --	...	chr19	antisense
ENSG00000117335.17	23653762	49931252	7.04E-15	1.12E-13	2.55	2.29	1.14	2209 CD46	CD46 molecule, complement regulatory protein	chr1	protein_coding
ENSG00000196748.8	52225639	28232998	0.000129	0.000498	0.17	0	0.46	017 CDFP2.2	...	chr6	protein_coding
ENSG00000277462.1	33224238	-10761253	3.64E-07	2.28E-06	0.03	0.03	0.11	046 ZNF670	zinc finger protein 670	chr12	protein_coding
ENSG0000012898.12	-3457899	47996134	2.34E-27	9.53E-26	5.74	5.87	0.59	028 PHLDA1	pleckstrin homology-like domain, family A, member 1	chr12	protein_coding
ENSG00000124215.15	310033226	268905413	0.95E-06	0.001223	0	0.23	0.08	008 CDH26	CDH26	chr10	protein_coding
ENSG00000262676.18	300303226	460055413	5.89E-22	1.64E-20	0.57	0.62	4.79	816 THOC2	THO complex 2	chr12	protein_coding
ENSG00000180008.8	32663966	10125482	6.62E-16	1.14E-14	0.07	0.01	0.13	003 SDC2A	syndecan cytoplasmic signaling 4	chr14	protein_coding
ENSG00000186300.10	19498469	16213447	1.04E-05	5.00E-05	0.03	0.04	0.11	022 ZNF555	zinc finger protein 555	chr14	protein_coding
ENSG00000156273.14	152304147	056105587	6.19E-05	0.0020621	0.09	0.11	0.26	005 BACH1	BTF and CCR of myeloid 1, basic leucine zipper transcription factor 1	chr21	protein_coding
ENSG00000083939.10	148195664	167431567	8.17E-06	4.04E-05	0.22	0.23	0.76	094 RBL1	retinol-binding protein 1	chr20	protein_coding
ENSG0000016983.11	844632016	-04089872	2.26E-16	4.05E-15	0	0	0.3	027 HPCAL4	heparan sulfate-like 4	chr1	protein_coding
ENSG0000047218.12	146091381	26008779	0.000129	0.000479	27.96	23.0	11.42	1E4 CD02	TEA domain family member 2	chr19	protein_coding
ENSG0000018915.10	871892504	-1878359	2.24E-07	1.42E-06	0	0	0.14	001 RASGEF1A	RasGEF domain family, member 1A	chr10	protein_coding
ENSG00000121318.9	357100349	338990221	4.34E-26	1.61E-24	0.37	0.7	1.12	993 PBLD1	phospholipase B domain containing 1A	chr12	protein_coding
ENSG0000016445.5	18291619	22422492	3.68E-10	5.12E-09	0.09	0.14	0.22	588 SIK17A	serine/threonine kinase 17A	chr12	protein_coding
ENSG00000197568.8	30345025	-20457762	1.39E-09	0.0014836	0.01	0	0.02	013 ZNF624	zinc finger protein 624	chr17	protein_coding
ENSG00000206103.18	227439428	076256712	4.78E-09	3.54E-08	0.09	0.24	1.1	102 FAS	Fas cell surface death receptor	chr10	protein_coding
ENSG00000209994.10	33665465	43635028	1.09E-09	9.24E-09	7.5	7.7	3.02	025 OPTC	optineurin cytoskeletal cytoskeleton	chr17	protein_coding
ENSG0000008888.13	33646561	-0810428	1.35E-12	1.67E-11	0	0.03	0.24	039 FTB0	intraflagellar transport 80	chr10	protein_coding
ENSG00000209994.10	33665465	43635028	1.09E-09	9.24E-09	7.5	7.7	3.02	025 OPTC	optineurin cytoskeletal cytoskeleton	chr17	protein_coding
ENSG00000158233.13	344036691	326792578	2.03E-24	6.72E-23	0.33	0.38	2.55	755 TMEM123	transmembrane protein 123	chr11	protein_coding
ENSG0000027897.1	84899436	-0375299	8.93E-17	1.66E-15	0	0	1.19	016 RP13-89932.1	...	chr12	antisense
ENSG00000129611.11	87410709	2423266	1.71E-09	3.92E-08	0.26	0.21	0.17	004 LUXM1	LUXM domain protein 2A	chr12	protein_coding
ENSG0000060208.12	39442956	-13682962	6.89E-07	4.06E-06	0	0.01	0.09	016 CDH3	cadherin 3, type 1, P-cadherin (E-cadherin)	chr12	protein_coding
ENSG00000197068.8	189924488	003255405	1.09E-05	5.24E-05	0.02	0.12	0.22	047 ZMYM1	zinc finger, MYM-type 1	chr17	protein_coding
ENSG00000189854.14	15913246	15913246	1.71E-16	1.66E-16	0.14	1.64	1.67	086 SMAD2	SMAD specific 1/3 ubiquitin protein ligase 2	chr15	protein_coding
ENSG00000266916.4	231708856	35641713	1.13E-13	1.13E-12	0.44	0.46	1.27	425 CCPG1	cell cycle protein 1	chr17	protein_coding
ENSG00000264232.2	48942967	-0369906	0.0189873	0.0451957	0	0	0.33	046 RN7-3448P	RNA, 7SL, cytosolic/48S, pseudogene	chr17	misc_RNA
ENSG00000277896.1	10291231	0291231	0.000129	0.000479	0.14	0.64	0.82	008 RPL13	ribosomal protein L13	chr19	protein_coding
ENSG00000182020.12	269748125	200477333	8.83E-15	1.39E-13	0.34	0.22	1.36	117 ESYT3	extended synaptotagmin-like protein 3	chr19	protein_coding
ENSG00000269729.1	10010113	27322499	0.000129	0.000479	0.14	0.64	0.82	008 RPL13	ribosomal protein L13	chr19	protein_coding
ENSG00000198157.8	33045025	-20457762	1.39E-09	0.0014836	0.01	0	0.02	013 ZNF624	zinc finger protein 624	chr17	protein_coding
ENSG00000263843.1	-12806919	011602786	4.96E-05	0.0020077	1.78	24.1	1.13	12 RP11-684U1.1	...	chr17	antisense
ENSG00000107496.6	14665865	24909038	1.46E-05	9.24E-09	7.5	7.7	3.02	025 OPTC	optineurin cytoskeletal cytoskeleton	chr17	protein_coding
ENSG00000187140.5	32468643	188510474	2.00E-19	4.60E-18	0.27	0.23	2.55	42 FOXD3	forkhead box D3	chr10	protein_coding
ENSG00000276115.1	628373948	-2199428	8.95E-06	4.39E-05	0	0	0.02	009 RP11-8174.1	...	chr12	antisense
ENSG0000009054.11	146091381	26008779	0.000129	0.000479	1.89	28.1	1.89	283 R1T3	Ras-related tyrosine kinase 3 ligand	chr12	sense_intronic
ENSG00000189902.12	25013455	081460218	1.98E-10	1.90E-09	0.05	0.1	0.34	075 SLC35A8	solute carrier family 39 (zinc transporter), member 10	chr2	protein_coding
ENSG0000017962.11	-12054065	02267846	2.96E-05	0.0001277	94.45	106.37	54.87	6126 ZNF598	zinc finger protein 598	chr16	protein_coding
ENSG0000016897.6	12054065	02267846	2.96E-05	0.0001277	94.45	106.37	54.87	6126 ZNF598	zinc finger protein 598	chr16	protein_coding
ENSG00000136244.10	-1207669	96504872	2.72E-05	0.00012188	492.28	2.63	262.24	024 CCT7	chaperonin containing TCP1, subunit 7 (member 8)	chr19	protein_coding
ENSG00000219276.3	-13360461	46111628	2.01E-08	7.8E-07	31.4	29.1	1.06	010 C16orf121	...	chr19	protein_coding
ENSG0000017924.15	13396685	-11238665	1.09E-09	9.24E-09	7.5	7.7	3.02	025 OPTC	optineurin cytoskeletal cytoskeleton	chr17	protein_coding
ENSG00000089354.14	217451905	-11310324	0.0001583	0.0006009	0	0.06	0.03	032 PFB1	progesterone immunomodulatory binding factor 1	chr13	protein_coding
ENSG00000213903.7	1627819	12599423	1.09E-09	9.24E-09	7.5	7.7	3.02	025 OPTC	optineurin cytoskeletal cytoskeleton	chr17	protein_coding
ENSG0000015906.15	101492524	201171122	0.0014209	0.00453795	1.11	0.82	2.27	295 RRMND1	required for meiotic nuclear division 1 (homolog 5, C.eversiae)	chr16	protein_coding
ENSG00000213937.3	27637848	-0684267	4.67E-07	2.84E-06	0	0.11	0.33	066 CLDN9	claudin 9	chr16	protein_coding
ENSG0000023977.1	71069795	61630404	1.09E-09	9.24E-09	7.5	7.7	3.02	025 OPTC	optineurin cytoskeletal cytoskeleton	chr17	protein_coding
ENSG00000179212.12	-12646643	934681258	1.15E-05	5.50E-05	418.23	417.32	26.04	GAD45GIP1	growth arrest and DNA-damage-inducible, gamma interactin protein 1	chr19	protein_coding
ENSG0000026894.1	1647776	6502209	1.73E-08	1.28E-07	22.12	19.27	8.05	855 PFA5	phosphoribosylformylglycine amidohydrolase	chr17	protein_coding
ENSG00000237037.8	15449491	11240046	0.000129	0.000479	0.14	0.64	0.82	014 RP11-28356	...	chr12	antisense
ENSG0000009800.6	-10625718	66625556	0.0002241	0.0008412	59.9	54.02	38.04	3457 TMEM13	translocase of inner mitochondrial membrane 13 (homolog hsa)	chr19	protein_coding
ENSG0000016794.10	84671478	5471478	2.19E-06	2.19E-05	20.19	19.0	0.28	014 RASA	RASGEF interacting protein (RasGEF)-like 1	chr19	protein_coding
ENSG00000156931.14	206393866	167182877	1.95E-06	1.35E-05	0.16	0.12	0.65	095 VAV2	vavular protein containing 2 (homolog 5, C.eversiae)	chr16	protein_coding
ENSG00000128210.10	1282868	1282868	1.09E-09	9.24E-09	7.5	7.7	3.02	025 OPTC	optineurin cytoskeletal cytoskeleton	chr17	protein_coding
ENSG0000026896.1	-18662066	-02696004	0.0095689	0.0249784	0.24	0.89	0.14	024 RP11-25623.2	...	chr12	antisense
ENSG0000013697.5	40245261	-00562631	1.29E-11	1.43E-10	0.02	0.02</					

ENSG0000028081.1	-1170931	392371532	7846.23	231E.21	32.16	37.33	6.74	351	ELFN1-AS1	ELFN1 intronic RNA 1	chr7	lincRNA
ENSG00000212704.1	-16428383	4269954	0.0022232	0.00083364	0.02	0.04	0.14	115	TMCC1-AS1	TMCC1 antisense RNA 2 (head to head)	chr7	antisense
ENSG00000165434.7	-16709748	-3269554	0.0022232	0.00083364	0.02	0.04	0.14	0.13	PGM2L1	phosphoglucomutase 2-like 1	chr11	protein_coding
ENSG00000186199.9	344522375	-13226469	1.32E-06	7.43E-06	0.0	0.02	0.02	0.02	NUTM2B	NUT family member 2B	chr10	protein_coding
ENSG0000011425.12	1302923	0.0004932	0.0004932	0.0004932	0.00	0.00	0.00	0.17	PTC2L2	PTC2-like 2	chr9	protein_coding
ENSG00000156029.9	102412814	214903906	0.0012023	0.00089847	0.27	0.44	0.72	121	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	chr9	protein_coding
ENSG0000013970.15	28989855	396058844	7.31E-20	1.74E-18	0.83	0.67	7.4	762	RN1	reticulon 1	chr14	protein_coding
ENSG00000143298.11	1302923	141021068	1.00E-06	5.10E-06	0.11	0.14	0.24	398	NUF2	NUF2, NDC80 kinetochore complex component	chr11	protein_coding
ENSG00000189449.9	187019748	026577972	3.75E-06	1.97E-05	0.08	0.11	0.45	0.5	C11orf63	chromosome 11 open reading frame 63	chr11	protein_coding
ENSG0000010532.10	20638187	-04830794	1.55E-05	7.64E-05	0.01	0.18	0.2	0.85	GGRF1	grip (non-coding regulator with ring finger domain) 1	chr14	protein_coding
ENSG00000197942.9	4518366	4518366	0.0001029	0.0001029	0.13	0.19	0.29	894	RRR	ribonucleoside reductase	chr9	protein_coding
ENSG00000178476.6	114606999	412811235	0.0001029	0.0001029	1.33	1.89	4.14	537	TEX2	testis expressed 2	chr17	protein_coding
ENSG00000205853.9	23021875	-24828537	0.0192455	0.0192455	0.09	0.09	0.19	0.19	RPPL2	RPPL2 antisense	chr17	antisense
ENSG0000012875.12	1515655	49532109	2.63E-07	1.65E-06	2.78	3.03	11.56	10.51	TBC1D20	TBC1 domain family member 20	chr20	protein_coding
ENSG0000019640.10	-22100012	-05835166	4.10E-06	2.14E-05	0.11	0.11	0.05	0.01	ARMXC4	armadillo repeat containing, X-linked 4	chrX	protein_coding
ENSG0000016497.12	23182935	14942996	7.84E-07	3.92E-06	0.12	0.47	1.8	3.29	MUC12	mucopolysaccharide 12	chr13	protein_coding
ENSG00000273565.1	234586399	-9964725	5.34E-05	0.0002654	0.16	0.29	1.5	1.61	CTD-3075F1	--	chr14	lincRNA
ENSG0000005267.19	34876646	22462474	4.96E-22	1.39E-20	0.06	0.16	0.87	2.01	ARID4B	AT rich interactive domain 4B (BRPI-like)	chr14	protein_coding
ENSG0000020788.1	-14252317	-13700013	7.24E-07	1.42E-06	2.98	1.99	0	0	CTA-3904F1	--	chr14	antisense
ENSG00000229873.1	290879791	-14003822	2.09E-05	9.16E-05	0.08	0.08	1.01	0.73	OGR-AS1	OGR antisense RNA 1	chr20	antisense
ENSG00000106482.9	15334861	44224272	6.22E-06	3.14E-05	2.69	3.74	10.41	11.16	LZHU	enhancer of zeste 2 polycomb repressive complex 2 subunit	chr7	protein_coding
ENSG00000227403.1	1584342	-02271305	8.47E-21	2.10E-19	0.52	0.81	0.03	0	AC029939.3	--	chr12	antisense
ENSG0000027877.1	-31030297	-16614745	8.20E-06	4.05E-05	0.11	0.11	0	0	AC003043.4	--	chr12	antisense
ENSG00000197756.6	1767964	92900169	1.46E-09	1.25E-08	198.11	147.42	65.5	68.96	RP17A	ribosomal protein L37a	chr13	protein_coding
ENSG0000013061.18	15393517	17671931	6.04E-06	3.29E-05	1.29	1.3	0.41	5.61	TROV11	F-box protein 11	chr10	protein_coding
ENSG00000257913.2	12646704	156577176	0.00014951	0.00057808	0.47	0.76	2.15	1.76	RP11-386G1.1	--	chr12	antisense
ENSG0000015782.15	15624332	16422264	2.68E-06	1.45E-05	0.17	0.18	0.66	0.71	PANK1	panthothenate kinase 1	chr12	protein_coding
ENSG0000078237.5	163091831	242506641	2.90E-07	1.82E-06	0.66	0.84	2.4	3.79	C12orf5	--	chr12	protein_coding
ENSG0000067366.1	24781779	371815251	2.28E-15	3.77E-14	2.69	3.22	20.89	16.17	UPK8BL	uroplakin 8B-like	chr17	protein_coding
ENSG0000021955.9	-15250448	198953978	3.27E-07	1.98E-06	5.01	5.32	2.5	0.27	SC12A8	thymidine kinase family 12 member 8	chr17	protein_coding
ENSG00000139921.11	22204882	228327386	1.48E-11	1.63E-10	0.42	0.26	1.24	3.02	TMX1	thioredoxin-related transmembrane protein 1	chr14	protein_coding
ENSG0000014324.14	-2145779	168220142	2.46E-10	2.33E-09	1.88	2.46	0.56	0.74	CPO	carboxylesterase 4	chr12	protein_coding
ENSG000001641.71	167964	92901179	0.00014949	0.0001029	0.07	0.07	0.13	0	THSF1B	thymocyte selection-associated high mobility group box	chr12	protein_coding
ENSG0000078122.1	-7300449	-15796114	1.11E-09	9.61E-09	0.31	0.15	0	0	TKC	--	chr18	lincRNA
ENSG00000196485.5	68803017	-15813975	0.00014949	0.0001029	0.07	0.07	0.13	0	TKC	--	chr18	antisense
ENSG0000040032.1	43009501	-3104549	0.010495	0.0256742	0	0.36	0	0	RP11-274H2	--	chr18	antisense
ENSG00000139515.5	-1162393	26060127	1.80E-55	3.51E-53	4.11	3.76	0	0	PDX1	pancreatic and duodenal homeobox 1	chr13	protein_coding
ENSG0000010594.10	15201953	12900169	0.00014949	0.0001029	0.07	0.07	0.13	11.73	ATP10B	ATPase 10, transmembrane, isoform 3A/4A, V1 subunit D	chr14	protein_coding
ENSG0000016396.14	13805289	272027309	7.80E-06	3.87E-05	0.54	0.55	1.79	2	RNF168	ring finger protein 168, E3 ubiquitin protein ligase 2	chr12	protein_coding
ENSG0000015201.14	30326526	312845672	3.91E-20	9.05E-19	0.13	0.13	0.07	1.88	RANBP2	RAN binding protein 2	chr12	protein_coding
ENSG0000016836.14	14548202	16222264	2.68E-06	1.45E-05	0.17	0.18	0.66	1.51	STBPA9	stbA finger and BTB domain containing 9	chr12	protein_coding
ENSG0000023628.4	557455448	-2673247	0.0008654	0.0028128	0.4	0	0.2	0.28	RP11-365O1.1	--	chr12	sense_intronic
ENSG0000015428.11	188411796	-1863221	0.01381259	0.03443739	0.04	0.06	0.17	0.3	TRMT4	tripartite motif containing 74	chr17	protein_coding
ENSG0000019492.6	16105119	2187193	0.01498	0.036560	0.07	0.07	0.13	1.75	PRORP	pre-rRNA processing inducible double stranded RNA dependent inhibitor, repressor of (PSB repressor)	chr11	protein_coding
ENSG00000163489.9	352918945	-12512508	6.12E-07	3.65E-06	0.02	0	0.19	0.18	TMEM169	transmembrane protein 169	chr12	protein_coding
ENSG0000023198.1	-3159561	04023826	1.45E-13	1.98E-12	1.07	1.04	0.18	0.14	RNF224	ring finger protein 224	chr9	protein_coding
ENSG0000013681.15	14182834	14182834	3.45E-08	2.07E-07	42.3	50.8	20.3	50.8	CFP2	coat protein 2, factor of sperm tails 2	chr12	protein_coding
ENSG00000249693.2	37103418	-2232347	0.00023419	0.00087473	0.02	0	0.08	0.26	THEGL	thioester protein	chr12	protein_coding
ENSG0000069584.11	19768363	19768363	0.00014949	0.0001029	0.14	0.14	0.24	0.14	THMPD	THMP domain containing 1	chr16	protein_coding
ENSG00000114626.16	16359223	57312521	2.65E-28	1.91E-07	31.05	26.7	13.27	11.55	ARBT1	ankyrin repeat and BTB (POZ) domain containing 1	chr16	protein_coding
ENSG00000139218.16	28201361	329652108	3.42E-18	7.14E-17	0.13	0.22	1.27	1.99	SCAF11	SR-related CTD-associated factor 11	chr12	protein_coding
ENSG00000195266.1	7189721	-2292443	0.00023419	0.00087473	0.02	0.02	0.08	2.85	SNCA9B	snail nuclear RNA, H/ACA box 60	chr12	protein_coding
ENSG0000025900.2	41423899	51555553	9.77E-29	4.22E-27	0.82	0.83	24.2	18.49	RP11-454K7.1	--	chr14	lincRNA
ENSG00000204519.9	533514628	09679229	5.30E-25	1.84E-23	0	0.03	0.08	0.07	ZNF551	zinc finger protein 551	chr19	protein_coding
ENSG00000190682.8	10311717	10311717	0.00014949	0.0001029	106.10	106.10	3.3	30.7	SCAR3B1	small Cajal body-specific RNA 3	chr12	sense_intronic
ENSG0000023902.3	21699793	-1472390	0.00061439	0.00211279	0.32	0.17	2.23	0.91	SCARNA10	small Cajal body-specific RNA 10	chr19	sense_intronic
ENSG0000012929.7	24068312	-1760479	0.0014062	0.0049932	0.05	0	0.13	0.27	LRR6C	leucine rich repeat containing 6	chr8	protein_coding
ENSG000001341.14	13384581	13384581	9.32E-11	9.37E-10	2.46	0.03	0.19	5.42	CK2	casein kinase II	chr12	protein_coding
ENSG0000008116.3	56343951	123950035	2.04E-28	8.66E-27	0.02	0.03	1.9	1.33	LHX5	LHX5 homeobox 5	chr12	protein_coding
ENSG00000211271.1	19768363	19768363	0.00014949	0.0001029	0.07	0.07	0.13	0	L122C03.9	--	chr12	sense_intronic
ENSG00000154139.13	-58228515	359094348	8.33E-52	5.96E-50	5.04	6.18	0.07	0.19	FAM167A	family with sequence similarity 167, member A	chr8	protein_coding
ENSG0000027046.1	17321247	-1296187	0.00202074	0.0061802	0.12	0.06	0.62	0.2	RP11-834C1.1	--	chr12	processed_transcript
ENSG0000026496.1	51279649	51279649	0.00014949	0.0001029	0.07	0.07	0.13	0.29	RP11-849P1.1	--	chr12	sense_intronic
ENSG00000167925.14	-52439671	381654499	1.40E-45	1.49E-43	7.25	6.49	0.24	0.24	GHDCC	GHD3 domain containing	chr17	protein_coding
ENSG00000137269.13	12144365	094848105	0.0007025	0.0023995	0.18	0.35	0.47	1.19	LRR1C	leucine rich repeat containing 1	chr17	protein_coding
ENSG00000190682.8	10311717	10311717	0.00014949	0.0001029	106.10	106.10	3.3	33.82	TM6C	transmembrane protein 6C	chr12	protein_coding
ENSG00000249964.3	48462367	-3059596	0.0189873	0.0461957	0	0	0.34	0.48	RN7SL7P1	RNA, 7SL, cytoplasmic 7SL pseudogene	chr3	misc_RNA
ENSG0000017391.7	42805599	226524282	4.56E-33	2.45E-31	0.22	0.4	0.59	10.03	OLR1	oxidized low density lipoprotein (lectin-like) receptor 1	chr12	protein_coding
ENSG00000164745.5	15359691	15359691	3.62E-15	3.67E-14	0.84	0.94	0.64	1.14	CHMP7	chromatin remodelling factor 7	chr10	protein_coding
ENSG00000131138.18	53726909	069421728	2.04E-23	6.72E-22	0.01	0	0.22	0.48	TBC1D8B	TBC1 domain family member 8B (with GRAM domain)	chrX	protein_coding
ENSG00000184838.13	-5677822	14182834	6.98E-11	7.96E-11	0.24	0.07	0.10	0	PRR16	proline rich 16	chr16	protein_coding
ENSG00000196605.12	15349646	14012904	1.30E-05	6.18E-05	0.14	0.14	0.54	21.44	CHMP7	chromatin remodelling factor 7	chr10	protein_coding
ENSG0000015944.7	12306018	08886173	0.0008148	0.0020123	0.48	0.42	0.73	2.1	MED21	mediator complex subunit 21	chr12	protein_coding
ENSG0000023004.1	11902663	11902663	0.00014949	0.0001029	0.07	0.07	0.13	1.61	RP11-165P1.1	--	chr12	lincRNA
ENSG0000014655.13	-1465278	13755793	1.21E-05	5.79E-05								

ENSG00000261488.1	2.22313999	-2.1788768	0.02071392	0.04894669	0.03	0.01	0.4	0.27	RP11-757H1.1	chr3	antisense
ENSG00000230514.4	2.24821654	-2.1788768	0.02071392	0.04894669	0.03	0.01	0.4	0.27	CTB-89122.1	chr3	antisense
ENSG0000025190.5	-3.1422986	4.9871022	1.42E-23	4.45E-22	11.71	11.49	1.64	1.87	ANXA8	chr10	protein_coding
ENSG00000179013.5	1.3807499	2.1221595	1.56E-05	7.32E-05	0.9	0.94	3	3.36	CDC9C6	chr4	protein_coding
ENSG00000161401.1	4.7178983	-3.1445447	0.0002872	0.0003857	0.12	0.13	0.23	0.12	RP11-202I3.1	chr16	antisense
ENSG00000118849.8	1.3025209	0.43116358	0.0005696	0.0013276	0.35	0.22	0.96	0.09	BARRES1	chr7	protein_coding
ENSG00000039376.7	2.205004	1.0740898	2.48E-09	2.06E-08	0.06	0.06	0.27	0.45	BAK3	chr12	protein_coding
ENSG0000023537.1	1.3199176	-2.9451203	0.0002872	0.00069312	0.12	0.13	0.23	0.12	RP11-202I3.1	chr16	antisense
ENSG00000145945.5	-1.3543008	4.0720308	3.83E-06	2.01E-05	16.29	15.45	8.32	8.22	FAM50B	chr7	protein_coding
ENSG0000018686.12	6.4103061	-2.0973515	5.19E-06	2.66E-05	0	0	0.01	0.11	ZFP37	chr9	protein_coding
ENSG0000025048.12	1.7236261	8.7064652	7.72E-14	1.09E-12	0.26	0.26	0.00	0.24	EP300	chr13	protein_coding
ENSG0000011758.12	-2.7306261	8.7064652	1.93E-19	4.4E-18	116.68	146.44	27.52	25.17	DBN1	chr5	protein_coding
ENSG0000027046.3	-5.025255	-3.126572	0.0101565	0.0004476	0	0	0.39	0	RP11-701H2	chr15	sense_intronic
ENSG0000010426.13	1.0938141	1.4042017	0.0015646	0.0037485	0.24	0.29	0.62	0.88	ERH1	chr10	protein_coding
ENSG00000171224.8	1.3498804	3.0542062	9.46E-06	4.62E-05	4.22	2.79	12.27	11.61	CDIV05	chr16	antisense
ENSG00000151715.6	-4.9513007	-0.95353	7.25E-16	1.14E-13	0.38	0.46	0.04	0	TM6AS8	chr11	antisense
ENSG0000013174.13	1.51313308	2.0769459	2.53E-06	1.37E-05	0.22	0.17	0.65	0.82	TBC1D15	chr7	protein_coding
ENSG0000004700.14	3.7256106	2.2061642	4.64E-24	1.50E-22	0.19	0.08	1.35	3.55	RECOL	chr12	protein_coding
ENSG0000019701.11	3.2649609	1.5549587	7.44E-18	1.51E-19	0.04	0.08	0.49	1.08	FAR1	chr11	protein_coding
ENSG0000020708.15	-7.4299106	1.1011478	4.95E-47	4.95E-84	1148.04	1164.16	9.24	8.61	TGFB1	chr15	protein_coding
ENSG0000067651.11	1.6659849	6.4078231	1.52E-08	1.14E-07	5.17	5.2	21.94	21.61	SC6A61	chr7	protein_coding
ENSG0000000000.1	1.0474078	1.0533397	0.0002872	0.0005687	39.25	37.17	25.34	24.83	ADAM10	chr1	protein_coding
ENSG0000077966.1	2.1754443	-0.97321	0.0011292	0.0004496	0.01	0.13	0.39	0.45	HDCXC-IT1	chr17	protein_coding
ENSG00000250697.1	-5.7776308	-2.7095582	0.0004761	0.0016791	0.43	0.09	0.29	0	CTD-206B2.1	chr15	antisense
ENSG0000017047.13	1.2254484	4.2038437	2.23E-05	0.0004476	0.95	0.99	2.99	3.41	MALGAP3	chr1	protein_coding
ENSG0000000294.19	2.043446	3.8091974	2.38E-11	2.55E-10	0.38	0.63	2.15	3.42	SPAG9	chr17	protein_coding
ENSG0000017078.10	3.3478921	-2.465382	0.0109203	0.0058473	0.02	0	0.25	0.05	STAF2	chr19	protein_coding
ENSG0000030768.13	3.2823233	1.0370313	2.67E-12	3.90E-11	0.96	0.07	0.7	1.05	SMPLD3B	chr19	protein_coding
ENSG0000010202.6	-1.232363	9.2767003	1.86E-05	8.98E-05	596.75	608.85	34.34	33.69	FBL	chr19	protein_coding
ENSG00000279963.1	5.6828014	-2.605968	0.0004761	0.0016791	0	0	0.09	0.11	RP11-294J2.1	chr17	antisense
ENSG00000279986.1	0.131265	-0.81404	0.0153293	0.0170293	0.26	0.1	0.2	0.63	RP11-518M4	chr17	antisense
ENSG00000259884.1	4.7270395	-3.141721	0.0189873	0.0419957	0	0	0.28	0.04	RP11-1100L.1	chr12	antisense
ENSG000001412.10	2.6997953	3.9696296	6.51E-14	6.30E-13	0.08	0.08	0.68	0.68	CTD-206B2.1	chr15	antisense
ENSG00000167147.16	1.1502098	7.1938497	6.35E-05	0.0002979	54.33	50.69	32.27	30.67	RNF220	chr10	protein_coding
ENSG0000014448.17	1.3652091	2.9333084	5.68E-21	1.47E-19	0.04	0.22	1.07	2	BXB	chr3	protein_coding
ENSG0000014448.17	1.3652091	2.9333084	5.68E-21	1.47E-19	0.04	0.22	1.07	2	BXB	chr3	protein_coding
ENSG0000018470.9	-1.0478309	4.0720308	3.79E-10	3.19E-09	1.49	1.84	0.84	0.68	GATA6	chr19	protein_coding
ENSG0000017940.11	-4.0530951	-1.6931074	1.57E-07	1.02E-06	0.11	0.06	0.11	0.01	WVAL1	chr14	protein_coding
ENSG0000018650.9	-1.3948842	5.7725406	1.65E-06	9.21E-06	11.94	13.99	6.25	6.89	ZFP361	chr14	protein_coding
ENSG0000018470.9	-1.0478309	4.0720308	3.79E-10	3.19E-09	1.49	1.84	0.84	0.68	GATA6	chr19	protein_coding
ENSG0000021833.6	1.0926557	1.602084	0.0008556	0.0029427	0.07	0.21	0.29	0.51	GNPNA1	chr4	protein_coding
ENSG0000010502.7	1.3043057	3.1719544	1.73E-05	8.02E-05	1.21	0.95	3.21	3.29	GNPNA1	chr4	protein_coding
ENSG0000024028.4	1.4777325	7.8466266	3.79E-10	3.19E-09	1.49	1.84	0.84	0.68	GATA6	chr19	protein_coding
ENSG0000016713.14	2.9348999	-2.076313	0.0004136	0.0014836	0.01	0	0.04	0.08	LAIR1	chr19	protein_coding
ENSG0000014384.10	2.0272824	0.6961045	2.19E-07	1.39E-06	0.1	0.08	0.21	0.13	TAFA8	chr18	protein_coding
ENSG0000014594.10	3.8692229	2.4440216	2.42E-07	5.94E-06	4.04	3.74	1.69	1.98	RP11-14N7.1	chr1	antisense
ENSG0000023871.6	-1.5073071	0.97466208	1.88E-05	8.68E-05	4.04	3.82	1.69	1.98	RP11-14N7.1	chr1	antisense
ENSG0000018163.14	1.1823505	1.5210465	2.42E-07	5.94E-06	0.15	0.16	0.16	0.16	TNMI1	chr12	protein_coding
ENSG0000010257.16	-1.4209518	6.6223388	1.01E-06	5.79E-06	36.26	36.89	17.78	18.66	CDIV02	chr10	protein_coding
ENSG0000009819.5	1.5202901	3.7382128	4.21E-07	2.58E-06	2.31	1.61	5.68	9.41	CPOX	chr3	protein_coding
ENSG0000045390.10	2.2932983	-0.9626449	0.0002872	0.0004476	0.19	0.19	0.63	0.29	UPR3	chr3	protein_coding
ENSG0000019737.8	2.9231909	0.3626206	2.88E-11	3.07E-10	0.03	0.08	0.3	0.79	ZNF675	chr19	protein_coding
ENSG00000131409.11	7.3278747	-1.3821107	4.49E-10	4.11E-09	0	0	0.24	0.18	LRR6C	chr19	protein_coding
ENSG0000015902.15	1.0284995	0.0004761	8.36E-05	0.0004476	0.05	0.01	0.07	0.01	LRR1	chr19	protein_coding
ENSG00000197457.8	-3.5510023	5.9466624	4.49E-29	1.99E-27	38.77	35.97	4	4.51	TNMI3	chr20	protein_coding
ENSG0000017575.11	-1.1653083	4.8632975	1.08E-07	7.22E-07	6.29	5.85	2.98	2.91	PALF1	chr11	protein_coding
ENSG0000016168.6	1.9643958	0.8920294	0.0153293	0.0028982	0.12	0.12	0.87	0.8	TNMI3	chr20	protein_coding
ENSG0000017545.13	-12.08065	3.0293436	1.09E-61	2.96E-59	3.29	3.6	0	0	PLA1	chr8	protein_coding
ENSG0000023532.13	4.8413129	-0.97321	0.0002872	0.0004476	0.49	0.27	1.42	1.67	GALIA	chr10	protein_coding
ENSG0000017928.12	1.4543793	2.1985761	5.46E-06	2.78E-05	0.44	0.62	1.69	2.19	VP28	chr10	protein_coding
ENSG0000016838.14	2.0317904	-0.7122399	7.18E-05	0.0002975	0.12	0.09	0.46	0.73	SFR1	chr17	protein_coding
ENSG0000023187.2	1.9643958	0.8920294	0.0153293	0.0028982	0.12	0.12	0.87	0.8	HCOX14-AS1	chr10	antisense
ENSG00000120519.13	1.0765487	-0.495909	0.0170188	0.0015326	0.06	0.04	0.12	0.17	SLOC1AT	chr10	protein_coding
ENSG0000019142.9	4.5898411	5.4568734	6.03E-42	5.02E-40	0.67	0.78	22.18	24.59	ACS15	chr14	protein_coding
ENSG0000019736.11	1.9643958	0.8920294	0.0153293	0.0028982	0.12	0.12	0.87	0.8	HCOX14-AS1	chr10	antisense
ENSG0000013486.12	-1.169332	3.2906541	1.01E-07	6.80E-07	2.42	2.42	1.03	1.07	NREP	chr15	protein_coding
ENSG0000017545.13	2.8524402	-1.1813637	7.05E-08	3.52E-05	0.02	0	0.11	0.13	CHRNA7	chr15	protein_coding
ENSG0000016842.11	1.4777325	1.5210465	2.42E-07	5.94E-06	0.15	0.16	0.16	0.16	FAM1474B	chr19	protein_coding
ENSG0000020510.24	8.9264924	-0.0027393	2.38E-20	5.90E-19	0	0	2.95	2.7	DVCL1-AS1	chr11	antisense
ENSG0000012688.16	1.3913156	2.7043946	3.49E-09	1.55E-07	1.72	2.07	0.29	0.07	ZNF668	chr16	protein_coding
ENSG0000017760.13	2.5361293	0.6039699	3.79E-08	1.74E-07	0.11	0.05	0.05	0.47	AKHGB8	chr11	protein_coding
ENSG0000010981.19	-5.022479	-1.329504	0.0100455	0.0288742	0.06	0.08	0	0	ANKA10	chr10	protein_coding
ENSG0000018108.13	-1.1781243	1.5210465	2.42E-07	5.94E-06	0.15	0.16	0.16	0.16	TNMI1	chr12	protein_coding
ENSG0000011719.14	-2.5579636	8.7522307	1.79E-17	3.53E-16	88.96	86.02	19.71	19.89	ERGIC1	chr5	protein_coding
ENSG0000026956.6	-1.0779888	4.5391728	0.0002197	0.0003259	7.91	8.46	5.16	5.17	TNMI3B	chr16	protein_coding
ENSG0000026986.13	2.9231909	0.3626206	2.88E-11	3.07E-10	0.03	0.08	0.3	0.79	ZNF675	chr19	protein_coding
ENSG00000163286.6	3.8733794	-0.6256768	1.54E-10	1.51E-09	0.01	0.03	0.45	0.46	ALPL2	chr2	protein_coding
ENSG00000259884.1	-4.809698	-3.210942	0.0189873	0.0419957	0.19	0.2	0	0	RP11-698A5	chr17	antisense
ENSG0000013115.15	8.9264924	-0.0027393	2.38E-20	5.90E-19	0	0	2.95	2.7	DVCL1-AS1	chr11	antisense
ENSG0000026411.7	2.1427827	0.08913705	5.07E-07	3.06E-06	0.03	0.09	0.4	0.33	RP11-159D1.1	chr18	antisense
ENSG0000029476.2	-1.175133	3.8524402	5.67E-								

ENSG0000017837.12	14924557	19563607	436E-06	2.27E-05	0.3	0.2	0.69	118	ZNF791	zinc finger protein 791	chr19	protein_coding
ENSG0000020468.11	11790575	11142378	0.00011145	17.3	10.6	72.1	0.6	421	FRK22A	franklin-1 related kinase 22A	chr19	protein_coding
ENSG0000014321.17	-11790575	11142378	4.13E-05	0.00017993	856.47	963.97	542.67	527.37	HDFG	hepatoma-derived growth factor	chr19	protein_coding
ENSG00000278206.1	-24915433	-27162106	0.00943894	0.02469931	0.08	0.05	0	0	RP1-202B.2	--	chr19	processed_transcript
ENSG0000020426.11	6367651	13562173	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	USP6C2	ubiquitin-protein ligase 6 complex, locus OXC	chr19	antisense
ENSG00000148429.13	18486671	16061011	0.00032351	0.00011729	0.1	0.12	0.31	0.36	USP9L	USP9 L-terminal like	chr19	protein_coding
ENSG00000214638.8	31063999	22451039	8.26E-19	1.81E-17	0.73	0.89	10.66	8	HIST1H2B	histone cluster 1, H2b2	chr19	protein_coding
ENSG0000019344.8	8477494	8477494	1.24E-05	0.00010100	6.49	6.49	2.63	5.49	CENPH	centromere protein H	chr19	protein_coding
ENSG00000163093.10	14294728	18095659	7.91E-05	0.0003261	0.19	0.23	0.88	0.63	BBS5	Barrett-Bied syndrome 5	chr19	protein_coding
ENSG0000018720.13	-273774	51939994	9.58E-20	2.52E-18	8.42	9.62	1.83	1.67	HIST5A	thrombospondin type 1 domain containing 4	chr19	protein_coding
ENSG0000015417.9	13658959	13658959	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	EPF5	epithelial growth factor 5	chr19	protein_coding
ENSG00000148516.20	16277945	63862803	1.93E-05	8.89E-05	0.06	0.12	0.15	0.59	ZEB1	zinc finger E-box binding homeobox 1	chr19	protein_coding
ENSG00000185965.5	31054029	171956124	1.84E-06	0.00000000	0.1	0.26	1.47	2.69	CDKN2AP	CDKN2A interacting protein 2	chr19	protein_coding
ENSG00000168974.11	20618745	50468268	6.05E-12	6.97E-11	4.21	4.24	24.74	22.4	ATOH8	astrotactin homolog 8 (Drosophila)	chr19	protein_coding
ENSG00000256128.4	-63310329	-23247802	1.55E-05	7.26E-05	0.51	0.03	0	0	UNC0994	long interspersed non-coding RNA 944	chr19	antisense
ENSG00000145014.16	-18494919	47901256	3.39E-11	4.98E-09	9.72	11.45	3.6	4.2	TRIM44	transmembrane protein 44	chr19	protein_coding
ENSG00000251580.1	11441953	-5042789	0.0262798	0.03174808	0.57	0.94	2.13	2.32	RP11-539L1.1	--	chr19	antisense
ENSG00000074266.16	12534154	47510477	1.89E-05	8.54E-05	3.11	3.97	10.38	12.14	EDD	embryonic ectoderm development	chr19	protein_coding
ENSG00000273394.1	51618682	-2971146	0.010465	0.0292742	0	0	0.11	0.34	RP11-255E6	--	chr19	antisense
ENSG00000202479.5	-11791764	-0429307	0.0088017	0.02151958	0.32	0.26	0.2	0.14	PCOLCE-AS1	PCOLCE antisense RNA 1	chr19	antisense
ENSG000001281205.1	15655084	-1273781	0.0063289	0.02292901	0.02	0.03	0.06	0	UNC0950	long interspersed non-coding RNA 950	chr19	antisense
ENSG00000138969.9	-13897632	-1781783	1.91E-05	8.90E-05	0.04	0.09	0.02	0	BMPT2B	bone morphogenetic protein receptor, type II	chr19	protein_coding
ENSG00000178381.10	-15264116	14591864	2.42E-07	1.53E-06	25.09	24.49	10.9	12.05	ZFAND2A	zinc finger, AN1-type domain 2A	chr19	protein_coding
ENSG00000116157.5	46258755	27495856	9.25E-05	5.09E-02	0.39	0.28	10.28	11.97	SPY7	glutathione peroxidase 7	chr19	protein_coding
ENSG00000164793.5	12497001	17965134	2.02E-05	9.98E-09	24.86	24.09	4.12	13.47	FOXP2	forkhead box O2	chr19	protein_coding
ENSG00000164736.5	-7673699	08253468	6.99E-32	3.51E-30	1.44	0.99	0	0.01	SOX17	SRY (sex determining region Y)-box 17	chr19	protein_coding
ENSG00000239791.1	220812474	-1322622	0.0059912	0.00016884	0.11	0.21	AC030307	0	AC030307	--	chr19	antisense
ENSG0000029546.1	223708631	-14200231	0.00043455	0.00153757	0	0.25	0.98	0.6	RP11-351ME.1	--	chr19	antisense
ENSG00000141446.9	298784906	09577642	8.12E-14	1.15E-12	0.08	0.06	0.54	0.97	ESCO1	establishment of sister chromatid cohesion N-acetyltransferase 1	chr19	protein_coding
ENSG00000249332.4	11276644	-0137319	0.0074987	0.02030224	0.17	0.17	0	0	RP11-3195G6	--	chr19	antisense
ENSG00000178222.8	487917439	-3067869	0.0188873	0.04519557	0	0	0	0.12	ZNF404	zinc finger protein 404	chr19	protein_coding
ENSG0000020594.1	-15134293	280553961	9.27E-07	5.38E-06	0.59	0.75	0.34	0.29	PLXDC2	pleckstrin domain containing 2	chr19	protein_coding
ENSG00000112546.6	11254611	-2049303	0.036181	0.04824271	0.25	0.63	0.9	0.11	AKAP3	A kinase anchoring protein 3	chr19	protein_coding
ENSG00000174564.11	-1158348	50788028	6.82E-05	0.00028422	18.68	18.21	11.3	10.71	KOBR9	interleukin 20 receptor 2	chr19	protein_coding
ENSG0000025150.6	54957228	9345544	3.84E-17	1.48E-14	5.19	5.19	14.62	33.31	IL13L1	interleukin 13 related 1	chr19	protein_coding
ENSG00000112011.1	12914460	40240519	8.07E-06	4.00E-05	176.47	209.67	91.9	119.39	HSP49	heat shock 70kDa protein 9 (mortalin)	chr19	protein_coding
ENSG00000189922.6	-11465748	586218042	7.42E-05	0.00030884	73.57	61.59	42.29	37.87	MRP14	mitochondrial ribosomal protein 14	chr19	protein_coding
ENSG00000238972.3	1986777	1986777	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	PCB1	polychlorinated biphenyl protein 1	chr19	antisense
ENSG00000273465.1	-14364891	237667379	4.63E-06	2.40E-05	7.89	8.21	3.59	4.34	RP11-548H3	--	chr19	antisense
ENSG00000218311.12	11264724	40558996	0.00013347	0.00052366	5.1	3.85	13.77	12.25	TF2	thiol-sulfate sulfoxidase (thiosulfate)	chr22	protein_coding
ENSG0000020494.10	11264724	40558996	0.00013347	0.00052366	5.1	3.85	13.77	12.25	TF2	thiol-sulfate sulfoxidase (thiosulfate)	chr22	protein_coding
ENSG00000044636.16	-39121385	490298201	7.82E-33	4.14E-31	7.28	7.53	0.68	0.63	COL16A1	collagen, type XVI, alpha 1	chr22	protein_coding
ENSG00000172124.2	72573882	-1425382	1.11E-09	9.61E-09	0	0	0	0.28	MAP2L1	map-2L1-like 3 (C. elegans)	chr22	protein_coding
ENSG0000025294.2	-77684653	-2321193	0.0074987	0.00043454	0.21	0.21	0.07	0.04	RP11-282Q2	--	chr22	antisense
ENSG00000107859.8	-36218558	-1253087	2.89E-08	2.08E-07	0.63	0.18	0.02	0.06	PTXC3	paired-like homeobox domain 3	chr22	protein_coding
ENSG0000025308.1	164950469	-18108604	0.01852318	0.04519557	0	0.31	0.75	0.54	RP11-170D19.1	--	chr22	antisense
ENSG00000251793.3	19582527	2798228	0.010465	0.02582422	0	0.08	0.11	0.35	ADMT5	ADAMTS metalloproteinase 5	chr22	antisense
ENSG00000199366.14	-15793438	43391362	1.03E-07	6.88E-07	1.85	2.09	0.83	0.92	CDC9	coiled-coil domain containing 80	chr22	protein_coding
ENSG00000148944.14	63829450	63829450	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	ADMT4	ADAMTS metalloproteinase 4	chr22	protein_coding
ENSG00000279833.1	479658741	123823308	1.95E-25	6.94E-24	0.13	0	0.23	0.19	RP11-51F1E.1	--	chr22	antisense
ENSG00000204767.3	-75043988	-14115717	7.65E-11	7.77E-10	0.11	0.26	0	0	FAM196B	family with sequence similarity 196, member B	chr22	protein_coding
ENSG00000181744.7	19582527	2798228	0.010465	0.02582422	0	0.08	0.11	0.35	ADMT4	ADAMTS metalloproteinase 4	chr22	protein_coding
ENSG00000202522.15	-13438993	662271172	3.54E-06	1.87E-05	54.25	44.48	26.62	25.21	ASL	arabinosidase	chr22	protein_coding
ENSG00000212522.10	368341803	109564088	1.25E-18	2.71E-17	0.06	0.04	0.57	1.2	COLGAB8	golgin A8 family, member 8	chr25	protein_coding
ENSG00000186510.10	-50243296	-31290017	0.010465	0.02582422	0.01	0.06	0	0	GLIC6A	glucuronidase 6	chr25	protein_coding
ENSG0000019977.3	-6535994	-27851509	0.0006654	0.0028128	0.07	0.01	0	0	ELVIL2	ELVIL fatty acid elongase 2	chr26	protein_coding
ENSG00000118015.15	13031803	4894180	8.1E-06	3.13E-05	14.46	19.99	39.61	19.99	PTM1	protein tyrosine phosphatase 1	chr26	protein_coding
ENSG00000134184.11	-12426617	133891524	6.03E-07	2.14E-06	12.29	11.53	0	0	GSTM1	glutathione S-transferase mu 1	chr26	protein_coding
ENSG00000112012.12	-125991912	63000515	0.00000000	0.00000000	29.87	29.87	29.87	28.47	ANGF1	angiotensin related and zinc finger domain containing 1	chr26	protein_coding
ENSG00000204315.3	-1351627	139629875	5.53E-06	2.73E-05	13.66	12.77	7.29	6.5	FKBP7	FK506 binding protein like 7	chr26	protein_coding
ENSG00000124664.9	59873061	-24097568	8.36E-05	0.00034052	0	0	0.22	0.06	SPDEF	SAM pointed domain containing ETS transcription factor	chr26	protein_coding
ENSG00000102219.12	125991912	63000515	0.00000000	0.00000000	22.1	19.9	14.6	14.6	DNK1	DNA topoisomerase I	chr26	protein_coding
ENSG00000134442.10	144873215	22639141	5.45E-06	2.77E-05	0.26	0.39	1.01	1.33	KIAA1468	KIAA1468	chr26	protein_coding
ENSG00000209972.10	25407303	128119421	5.89E-12	6.90E-11	0.15	0.11	0.83	1.21	STRN3	stratin, calmodulin binding protein	chr26	protein_coding
ENSG00000224914.2	18529697	63298269	0.00000000	0.00000000	44.2	45.2	45.2	43.2	UNC0983	long interspersed non-coding RNA 983	chr26	antisense
ENSG00000273485.1	-14094635	-08672359	0.0053626	0.01488851	0.81	0.99	0.49	0.41	RP11-225H.1	--	chr26	antisense
ENSG00000164056.9	-2878689	00272756	1.61E-10	1.56E-09	0.5	0.44	0.13	0.05	SPRY1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	chr26	protein_coding
ENSG00000205376.15	-15248617	10391979	0.00000000	0.00000000	11	11	0.2	0.16	PTX2	relative homeobox domain transcription factor 2	chr26	protein_coding
ENSG00000185966.7	30990844	10470423	7.76E-15	1.22E-13	0.48	0.31	0.34	0.75	HIST1H2BC	histone cluster 1, H2bc	chr26	protein_coding
ENSG00000269906.1	12438874	-1740759	1.38E-05	6.54E-05	0.11	0.12	0.7	3.91	RP11-240I16.1	--	chr26	antisense
ENSG00000102967.1	-18289956	67949428	1.24E-06	8.93E-06	46.26	39.97	20.7	21.8	C9orf6	cerebellar degeneration-related protein 2-like	chr26	protein_coding
ENSG00000269001.1	216984184	-14642573	0.0008662	0.00028921	0	0.09	0.21	0.3	CARD8-AS1	CARD8 antisense RNA 1	chr26	antisense
ENSG0000027415.7	18152565	13924928	1.24E-06	8.93E-06	46.26	39.97	20.7	21.8	C9orf6	cerebellar degeneration-related protein 2-like	chr26	protein_coding
ENSG00000153914.14	28054818	123823308	1.66E-18	3.56E-17	0.17	0.24	1.27	2.72	SEK1	splicing regulator/platelet/lysine-rich protein 1	chr26	protein_coding
ENSG00000135740.5	2098614	26193421	6.15E-11	6.31E-10	0.62	0.37	2.69	2.97	SLC3A5	solute carrier family 3, subfamily A (NHE5, cation proton antiporter 5), member 5	chr26	protein_coding
ENSG00000112899.9	-28617989	63298269	0.00000000	0.00000000	45.2	45.2	45.2	43.2	UNC0983	long interspersed non-coding RNA 983	chr26	antisense
ENSG00000251151.2	-6084933	29410035	8.39E-47	9.76E-45	12.22	12.38	0.32	0.16	HOXC-AS3	HOXC cluster antisense RNA 3	chr26	antisense
ENSG0000027969.10	-2261003	29566398	8.20E-13	1.04E-11	5.61	6.27	2.13	2.17	SH2D2A	SH2 domain containing 2A	chr26	protein_coding
ENSG00000167676.3	7789213	5012414	1.07E-14	1.46E-11	7.61	8.19	3.19	10.19	RUN4	run domain containing protein 4	chr26	protein_coding
ENSG00000138830.10	-10715743	10143318	0.0001838	0.00071407	325.89	289.72	154.6	197.09	FAM129B	family with sequence similarity 129, member B	chr26	protein_coding
ENSG0000014706.15	603134248	-2737212	8.36E-05	0.00034052	0							

ENSG00000169371.12	-1.6421437	4.08573931	3.800E-08	2.68E-07	9.1	0.0	9.71	3.63	441	SNUPN	snurportin 1	chr15	protein_coding
ENSG00000129447.1	-1.783481	1.295488	0.000000	0.000000	0.0	0.0	0.0	0.0	0.0	0.0	chr15	antisense	
ENSG00000259232.3	5.6374229	-2.6109587	0.0004761	0.0016191	0.0	0.0	0.05	0.0	0.11	CTAGE4	CTAGE family member 4	chr7	protein_coding
ENSG00000159333.8	2.08657194	1.19598472	7.52E-09	5.88E-08	0.06	0.07	0.38	0.4	0.0	DGKC	diacylglycerol kinase, epsilon 64kDa	chr17	protein_coding
ENSG0000023807.2	2.5046819	0.0000000	0.0000000	0.0000000	0.0	0.0	0.0	0.0	0.0	RP11-536K7.1	antisense	chr10	antisense
ENSG00000157985.16	-1.1369085	5.17692418	9.05E-05	0.0003647	2.9	3.38	1.77	2.03	AGAP1	ArfGAP with GTPase domain, Arf1 repeat and PH domain 1	chr17	protein_coding	
ENSG00000134369.14	-4.436041	5.9118353	1.46E-40	1.10E-38	6.36	6.83	0.5	0.31	NAV1	navonin navigator 1	chr1	protein_coding	
ENSG00000166165.13	1.2149602	1.2945778	0.000000	0.000000	0.0	0.0	0.0	0.0	KIAA1958	uncharacterized protein KIAA1958	chr3	protein_coding	
ENSG0000015426.12	1.5697504	0.30855066	7.67E-05	0.00031656	0.07	0.17	0.51	0.41	AASDH	aminoacidase-semialdehyde dehydrogenase	chr4	protein_coding	
ENSG00000180218.5	-6.5291538	5.499367	4.67E-06	1.55E-63	78.6	73.09	1.31	0.88	S100A3	S100 calcium binding protein A3	chr1	protein_coding	
ENSG0000017476.11	-0.0091158	0.0000000	0.0000000	0.0000000	0.0	0.0	0.0	0.0	RP11-147L1.1	antisense	chr17	antisense	
ENSG00000274331.1	4.87917439	-3.0078699	0.0018873	0.0419957	0.0	0.0	0.0	0.0	RFS-899E9.1	antisense	chr7	lincRNA	
ENSG00000208635.14	0.0000000	0.7272323	5.13E-05	0.0000000	0.0	0.0	0.05	0.0	0.0	0.0	chr1	antisense	
ENSG00000151937.7	1.60944913	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	-1.4523236	3.94866371	1.08E-06	6.18E-06	3.42	2.59	1.62	1.3	PAPIN	papilin, proteoglycan-like sulfated glycoprotein	chr14	protein_coding	
ENSG00000270491.1	1.7517222	0.5107236	0.000000	0.000000	0.0	0.0	0.22	3.5	173 CASK	colin adenocarcinoma hwaemethylated non-coding codon	chr6	antisense	
ENSG000005149.13	-6.7729561	-0.0122722	3.78E-07	2.30E-06	0.06	0.25	0.0	0.0	SERPINC3	serpin peptidase inhibitor, clade B (ovalbumin), member 3	chr18	protein_coding	
ENSG0000021082.2	1.96191538	12.8009132	2.48E-11	2.66E-10	1250.18	1783.01	8719.44	6947.33	MT-RNR2	mitochondrial encoded 16S rRNA	chrM	lincRNA	
ENSG00000186671.13	-1.4989088	6.6914749	2.94E-43	2.94E-41	26.64	25.82	0.0	0.0	0.0	0.0	chr18	protein_coding	
ENSG00000138354.9	1.9931097	-1.5909308	0.0034584	0.0100343	0.05	0.0	0.09	0.19	GAS2L3	growth arrest-specific 2 like 3	chr12	protein_coding	
ENSG0000017166.13	-1.2153627	6.2112024	2.74E-05	0.0001274	13.89	14.27	8.92	7.21	KOPF4	knobhead box F4	chr6	protein_coding	
ENSG00000256822.2	-4.8292021	-1.7636928	3.95E-07	2.45E-06	0.02	0.01	0.0	0.0	RP11-690B.8	antisense	chr15	antisense	
ENSG00000131126.17	1.9731573	0.58616501	4.53E-07	2.76E-06	0.36	0.22	1.98	1.06	TEX101	testis expressed 101	chr19	protein_coding	
ENSG00000128029.8	-5.9645578	-0.7944111	2.81E-15	4.60E-14	0.31	0.16	0.01	0.0	0.0	0.0	chr7	protein_coding	
ENSG00000166394.13	-1.9527677	5.2962956	1.45E-10	1.27E-09	4.97	5.4	1.71	0.98	C18OR2	chromosome 18 open reading frame 2	chr18	protein_coding	
ENSG00000155758.11	-1.1549502	8.1997427	5.99E-05	0.00025171	116.25	105.61	61.03	72.06	ODC1	ornithine decarboxylase 1	chr11	protein_coding	
ENSG00000159418.18	3.1772414	-0.4676873	7.64E-11	7.77E-10	0.03	0.0	0.15	0.43	MDM2	regulator of microtubule dynamics 2	chr7	protein_coding	
ENSG00000133026.11	2.6546684	5.84748139	2.45E-18	5.19E-17	1.51	1.78	12.81	14.8	MYH10	myosin, heavy chain 10, non-muscle	chr17	protein_coding	
ENSG00000176549.4	-1.757325	-2.081061	0.0020581	0.0484221	0.16	0.02	0.0	0.0	AC009161.7	antisense	chr19	antisense	
ENSG00000130383.8	-1.8989301	1.0686612	2.31E-06	1.94E-07	1.16	1.16	0.33	0.38	GDF7	growth differentiation factor 7	chr19	protein_coding	
ENSG0000018536.13	-1.1134922	4.81678876	0.0001322	0.00051953	14.37	11.25	8.2	7.58	MMPK11	mitogen-activated protein kinase 11	chr22	protein_coding	
ENSG0000027682.2	-2.735283	-2.571791	0.0191236	0.0011315	0.12	0.03	0.03	0.0	RP4-569M2.2	antisense	chr20	antisense	
ENSG00000159564.12	1.03274	3.989189	0.000000	0.00174076	0.42	0.16	0.21	3.38	TMEM63	transmembrane protein 69	chr8	protein_coding	
ENSG00000164884.12	1.63171395	0.34889791	2.97E-05	0.00013206	0.05	0.02	0.13	0.14	ZNF704	zinc finger protein 704	chr6	protein_coding	
ENSG00000178964.14	2.1738026	2.2638182	1.47E-11	1.47E-10	4.10	4.10	0.26	1.38	HAP7	huntingtin-associated protein 7	chr17	protein_coding	
ENSG00000145256.4	1.9239993	7.992202	9.07E-08	6.11E-07	39.4	38.29	0.49	181.77	PFND2	proctoderm substance 2	chr17	protein_coding	
ENSG00000141239.9	2.9165688	0.712281	8.86E-10	7.81E-09	0.1	0.09	0.41	0.92	UFL1	UFM1-specific ligase 1	chr6	protein_coding	
ENSG00000143433.18	0.0000000	0.0000000	0.0000000	0.0000000	0.0	0.0	0.0	0.0	0.0	0.0	chr6	protein_coding	
ENSG00000145832.11	5.5708129	-2.675978	0.0006564	0.0028128	0.0	0.0	0.03	0.05	SLC25A48	solute carrier family 25, member 48	chr15	protein_coding	
ENSG00000186487.10	-3.7887629	-2.5063098	0.001221	0.0036442	0.12	0.0	0.01	0.0	0.0	0.0	chr11	protein_coding	
ENSG00000125316.6	-4.5273017	0.0000000	0.0000000	0.0000000	0.0	0.0	0.15	0.0	CCND3-195	cyclin D3, isoform 195	chr12	antisense	
ENSG00000107485.14	9.00721	2.45654538	5.73E-50	5.70E-48	0.0	0.01	3.36	4.15	GATA3	GATA binding protein 3	chr10	protein_coding	
ENSG00000213402.2	1.55702003	-0.867657	0.0021707	0.00661139	0.17	0.13	0.57	0.61	PFRPCAP	protein tyrosine phosphatase, receptor type, C-associated protein	chr11	protein_coding	
ENSG00000166421.7	-1.2521631	1.2952328	7.65E-17	7.84E-16	0.06	0.16	0.7	0.73	CK2B	casein kinase II, beta subunit	chr10	protein_coding	
ENSG00000235950.6	-2.942827	-1.724849	7.05E-06	3.52E-05	0.19	0.1	0.05	0.0	0.0	GNAS-AS1	GNAS antisense RNA 1	chr20	antisense
ENSG00000194965.5	5.5794007	0.86033432	1.41E-24	7.72E-23	0.01	0.01	0.65	0.94	SLC2A10	solute carrier family 2 (facilitated glucose transporter), member 10	chr20	protein_coding	
ENSG00000174403.3	1.9254529	-1.4811799	0.000000	0.000000	0.0	0.0	0.26	0.18	GNAS-AS2	GNAS antisense RNA 2 (head to head)	chr20	antisense	
ENSG00000101306.9	2.526226	0.5649868	6.22E-10	5.98E-09	0.14	0.08	1.06	0.66	MYLK2	myosin light chain kinase 2	chr10	protein_coding	
ENSG00000276410.2	2.850102	1.2118167	0.000000	0.000000	0.0	0.0	0.25	0.07	HST1H2B	histone deacetylase 1, H2b	chr11	protein_coding	
ENSG00000289789.1	-1.644443	0.6588172	1.08E-05	5.19E-05	1.21	1.02	1.06	0.6	PAGER1	PAPK1 associated glutamate-rich protein 1	chr16	protein_coding	
ENSG00000237591.4	-4.731592	-1.841575	1.01E-06	5.80E-06	0.73	0.83	0.07	0.0	RP1-280D1.1	antisense	chr1	antisense	
ENSG00000253032.5	1.5429923	2.6616169	0.000000	0.000000	0.0	0.0	0.0	1.1	SNK2	sorting nexin 2	chr7	protein_coding	
ENSG00000137710.13	1.76520319	4.36194012	3.74E-09	3.05E-08	1.07	1.64	0.01	0.4	RDX	radixin	chr11	protein_coding	
ENSG00000169885.8	-2.2571974	-1.3180987	7.72E-05	0.00031861	0.39	0.49	0.02	0.17	CALM6	calmodulin-like 6	chr19	protein_coding	
ENSG00000289991.1	1.945794	1.4411036	0.000000	0.000000	0.0	0.0	0.0	3.44	44492D1.2	antisense	chr19	antisense	
ENSG00000137939.9	1.55198809	-0.1757005	0.0002876	0.00095857	0.07	0.06	0.27	0.25	RNF144B	ring finger protein 144B	chr6	protein_coding	
ENSG00000125753.12	-1.0235922	6.32484049	0.0000018	0.00129866	154.08	147.81	106.92	90.51	VAMP	vampidator-stimulated phospholipase C	chr19	protein_coding	
ENSG00000244475.5	1.03274	3.989189	0.000000	0.00174076	0.42	0.16	0.21	0.12	CR2AL	CR2AL antisense RNA 1	chr19	antisense	
ENSG00000267446.1	2.26245794	-2.5331601	0.0029375	0.0458385	0.1	0.15	0.98	0.4	CTB-39C82	antisense	chr17	antisense	
ENSG00000304077.10	1.659582	1.1710315	0.000000	0.000000	0.0	0.0	0.13	0.0	0.0	0.0	chr17	protein_coding	
ENSG0000016285.11	-1.1056877	5.44443768	0.0001247	0.00052644	11.08	12.01	5.27	9.11	ERF1F1	ERBB receptor feedback inhibitor 1	chr14	protein_coding	
ENSG00000166165.11	-1.3930342	8.212627	1.48E-06	8.31E-06	225.58	183.55	106.13	101.5	CB	casein kinase, brain	chr14	protein_coding	
ENSG00000675384.4	1.9434928	0.8677698	3.03E-08	4.10E-07	0.06	0.06	0.16	0.17	GAC11	glucocorticoid-inducible spermatogenesis-associated 1	chr19	protein_coding	
ENSG0000017549.12	-1.5530261	-1.0053764	0.0016616	0.0051962	0.11	0.1	0.03	0.0	0.0	RFEF5	Rieske (Fe-S) domain containing	chr19	protein_coding
ENSG0000018046.13	-6.6597623	1.19029169	1.36E-29	6.16E-28	1.11	1.14	0.06	0.01	STK11	serine/threonine kinase 11	chr19	protein_coding	
ENSG00000181096.6	2.194928	0.929104	0.000000	0.000000	0.0	0.0	0.0	0.0	RP11-69811.1	antisense	chr19	antisense	
ENSG00000185222.7	1.2180673	4.7929562	3.09E-05	0.00013709	9.35	15.26	29.52	46.98	WBPS	WW domain binding protein 5	chr4	protein_coding	
ENSG00000176334.1	5.9610649	-2.422601	6.93E-05	0.00040452	0.0	0.18	0.15	0.1	0.0	0.0	chr16	protein_coding	
ENSG00000131801.11	0.254943	-0.7182935	0.000000	0.000000	0.0	0.0	0.0	0.23	RP11-691C1.1	antisense	chr16	antisense	
ENSG00000186260.15	2.2275418	2.3230839	1.17E-11	1.31E-10	0.11	0.16	0.79	0.91	MK2	MKK1/myocardin-like 2	chr16	protein_coding	
ENSG0000020259.11	3.640058	0.349306	1.33E-14	2.05E-13	0.02	0.02	0.2	0.0	0.0	CNT2	cydin 2	chr2	protein_coding
ENSG0000013066.15	1.1629404	6.204	8.08E-07	1.00E-07	15.75	19.67	1.61	7.54	SAT1	sarcolinein/spermine N1-acetyltransferase 1	chr2	protein_coding	
ENSG00000504938.14	-3.3180827	-2.7845174	0.0094386	0.02469931	0.07	0.07	0.07	0.0	0.0	0.0	chr17	protein_coding	
ENSG00000186212.12	1.9254529	1.2118167	0.000000	0.000000	0.0	0.0	0.25	0.07	0.0	0.0	chr17	protein_coding	
ENSG00000129673.8	6.19483651	-2.2620378	2.70E-05	0.00012094	0.0	0.15	0.12	0.13	ANAT	aralkylamine N-acetyltransferase	chr11	protein_coding	
ENSG00000156111.13	1.5772444	1.4652933	3.30E-06	1.75E-05	0.02	0.14	0.62	0.75	CKD19	cydin-dependent kinase 19	chr17	protein_coding	
ENSG0000018397.5	1.8279628	1.8279628	0.000000	0.000000	0.0	0.0	0.0	0.0	0.0	0.0	chr18	protein_coding	
ENSG00000188443.12	2.26808158	1.99374975	2.11E-11	2.27E-10	0.15	0.23	0.89	1.58	RPS6K1	ribosomal protein S6 kinase, 70kDa, polycystic 1	chr6	protein_coding	
ENSG00000102871.14	1.16618016	4.65512298	2.15E-08	1.57E-07	4.2	3.69	16.96	16.3	TRADD	TNFRSF1A-associated with death domain	chr16	protein_coding	
ENSG00000166302.8	1.765682	0.000000	0.000000	0.00134895	0.13	0.12	0.0	1.2	WDR5	Winged helix domain, Recl1/haeise-like	chr16	protein_coding	
ENSG00000207123.3	-1.234609	-1.206357	0.0165825	0.04052383	5.48	1							

ENSG00000269992.1	216090096	-01707556	1.50E-06	8.40E-06	0.5	0.11	1.59	209	DOCK9-AS2	DOCK9 antisense RNA 2 (head to head)	chr13	antisense	
ENSG00000207181.1	00464402	-1.857829	0.000488	0.000488	0.1	0.11	1.59	167	SNORD34D	small nuclear RNA, C/D box 34D	chr13	antisense	
ENSG00000148174.14	-1357844	3365342	6.78E-06	3.40E-05	3.97	3.54	213	177	SCFD2	scf1 family domain containing 2	chr13	protein_coding	
ENSG00000196232.12	-2.636377	79459252	2.44E-18	5.19E-17	155.96	152.92	33.59	32.56	PDLIM7	PDZ and LIM domain 7 (enigma)	chr13	protein_coding	
ENSG00000258316.3	0.0896344	-0.0896344	0.000000	0.000000	0.0	0.19	7.34	17	UBR7	ubiquitin-associated ring finger (C3HC4) 7, E3 ubiquitin protein ligase	chr13	protein_coding	
ENSG00000071225.5	103918286	2849331	0.000094935	0.00022439	0.18	0.18	0.29	0.7	DNAJC10	DnaJ (Hsp40) homolog, subfamily C member 10	chr13	protein_coding	
ENSG00000101888.10	249987292	-1.257839	7.72E-05	0.00031961	0.03	0.03	0.15	0.02	NKTF2	nuclear transport factor 2-like export factor 2	chr13	protein_coding	
ENSG00000111507.7	0.0896344	-0.0896344	0.000000	0.000000	0.0	0.19	7.34	17	SCFD2	scf1 family domain containing 2	chr13	protein_coding	
ENSG00000270345.4	49327924	-0.594703	7.54E-13	9.57E-12	0.03	0.0	0.36	1.03	Coat15	chromosome 2 open reading frame 15	chr13	protein_coding	
ENSG00000198108	-6.6914892	-0.1167396	1.86E-21	1.03E-20	0.38	0.26	0.01	0.0	SNIP	small VCP/SP-interacting protein	chr13	protein_coding	
ENSG0000027144.1	17.444	0.0261973	1.11E-06	0.0004092	0.34	0.34	0.00	0.18	CTD-203E1	--	chr13	lincRNA	
ENSG00000267037.1	310750404	-0.788294	5.21E-08	3.63E-07	0.06	0.13	1.06	1.24	AC08757.7	--	chr19	lincRNA	
ENSG00000159846.14	1.7144	0.0261973	1.11E-06	0.0004092	0.34	0.34	0.00	0.18	CTD-203E1	--	chr19	lincRNA	
ENSG00000175064.14	27056334	18376218	1.95E-14	2.94E-13	0.08	0.07	0.54	0.78	GKS	glycerol kinase 5 (putative)	chr17	protein_coding	
ENSG00000278053.3	275669975	2.6877077	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	
ENSG00000169810.10	123440874	4939292	2.33E-06	0.0001865	4.4	4.92	1474	1454	RAP82C	phosphatidylinositol-3-ohosphate 4-kinase, type II, gamma	chr17	protein_coding	
ENSG00000147255.16	-11.66767	2.6157923	1.05E-55	2.11E-53	1.41	1.68	0	0	IKZF1	immunoglobulin superfamily member 1	chr10	protein_coding	
ENSG00000095282.8	-8.2378863	1.0701399	4.53E-14	6.55E-13	1.87	1.62	0.21	0.43	TSPAN15	tetraspanin 15	chr10	protein_coding	
ENSG00000170495.15	-2.4137204	6.4294233	8.73E-16	1.48E-14	0.73	31.25	7.18	7.46	RAP82	neuronal PAS domain protein 2	chr10	protein_coding	
ENSG00000260460.1	1.91686402	-1.3062033	0.00103764	0.00033975	0.03	0.09	0.4	0.22	RP11-2842J.2	--	chr1	lincRNA	
ENSG00000134013.14	-1.4098585	0.0452017	1.12E-06	6.99E-06	94.77	82.59	43.38	45.67	LXK12	lysyl oxidase-like 2	chr16	protein_coding	
ENSG00000278972.1	1.6493949	-1.994372	0.0003219	0.00109892	0.1	0.04	0.41	0.18	RP11-83820	--	chr16	protein_coding	
ENSG00000063660.7	-1.325182	8.54367236	4.47E-06	2.32E-05	106.57	109.56	58.76	56.06	GPCI	glycopin 1	chr12	protein_coding	
ENSG00000204175.5	54192981	0.7428301	4.00E-06	1.33E-22	0.05	0	1.99	1.37	GPR92	G protein regulated inducer of neurite outgrowth 2	chr12	protein_coding	
ENSG00000270268.1	-1.6449989	-2.111198	0.000000	0.000000	0.71	0.26	0.01	0	RP11-514D2	--	chr16	protein_coding	
ENSG00000060602.12	-1.0951364	0.07985615	0.00016261	0.00026895	7.1	7.28	4.77	4.17	MAP3K14	mitogen-activated protein kinase kinase kinase 14	chr17	protein_coding	
ENSG00000204101.3	-1.9999302	2.4822033	4.42E-10	4.07E-09	1.83	1.59	0.0	0.43	ASH2L	mu5 homolog 5	chr17	protein_coding	
ENSG00000223962.1	-1.8535146	2.13109256	8.22E-09	6.98E-08	2.31	2.45	0.76	0.99	RP11-1346B.8	--	chr1	lincRNA	
ENSG00000205284.1	1.0288338	3.0887078	0.00065283	0.00223074	4.96	6.78	14.91	17.02	ARPO66215	--	chr11	lincRNA	
ENSG00000186314.10	-1.6546114	1.6693938	5.30E-07	3.19E-06	0.77	0.89	0.34	0.53	PREL2	PREL domain containing 2	chr11	protein_coding	
ENSG00000177885.5	-4.806998	-3.2310842	0.01898973	0.04519597	0.09	0.1	0	0	RP5-1061H.2	--	chr11	lincRNA	
ENSG00000262160.1	2.2976183	0.9809394	1.28E-09	1.10E-08	0.12	0.27	1.92	1.2	RP11-96D11	--	chr16	antisense	
ENSG00000132665.8	1.8266617	-1.8562729	0.000000	0.000000	0.06	0.49	0.0	0.04	ALDH3A4	aldehyde dehydrogenase 3, long-chain 4	chr17	protein_coding	
ENSG0000010948.10	1.76701016	2.89761932	1.45E-08	1.09E-07	0.32	0.37	1.34	1.8	BRC1A	breast cancer 1, early-onset	chr17	protein_coding	
ENSG00000176543.1	1.1829504	-0.1198961	0.000000	0.000000	6.67	26.28	0.73	0.42	RP11-348P1	--	chr17	antisense	
ENSG00000270267.1	5.3117013	3737092	0.00737015	0.01977584	0	0.03	0.02	0.17	RP11-395L1.4	--	chr12	TEC	
ENSG00000198212.1	1.14871397	12.5701204	6.40E-05	0.00028085	3565.52	5402.28	14176.64	12049.49	MIT-CCO	mitochondrially encoded cytochrome c oxidase II	chr16	protein_coding	
ENSG00000168289.9	1.2949832	0.000000	0.000000	0.000000	37.36	37.36	0.0	0.0	NTSC2	5-nucleotide domain containing 2	chr13	antisense_intronic	
ENSG00000266236.1	2.1747314	-0.8451825	5.51E-05	0.00023313	0.1	0.26	0.87	1.31	NRF1-IT1	NRF1 intron transcript 1	chr17	antisense_intronic	
ENSG00000138832.12	-6.2507233	3.00631666	6.43E-49	6.00E-47	5.7	5.75	0.11	0.08	GRTF1	growth hormone regulated TBC protein 1	chr13	protein_coding	
ENSG0000019398.17	-1.6276933	1.0379892	6.75E-07	3.99E-06	0.04	0.04	0.13	0.17	DYRK3L1	dyskerin cohesin 2, light intermediate chain 1	chr12	protein_coding	
ENSG00000165865.7	3.00105428	-0.633708	9.98E-08	6.64E-07	0.03	0.04	0.33	0.35	TNEM2B	transmembrane protein 52B	chr12	protein_coding	
ENSG00000267504.3	3.2889466	1.0379892	6.75E-07	3.99E-06	0.74	1.23	2.47	3.91	MAP7	inositol polyphosphate-associated protein 7	chr12	antisense	
ENSG00000129988.8	-1.6449989	-2.111198	0.000000	0.000000	0.71	0.26	0.01	0	2.24	WVI	WVI domain binding protein 4	chr14	protein_coding
ENSG00000138327.6	2.87437899	0.7408019	2.71E-12	3.24E-11	0.3	0.18	2.03	2.7	NKX2-B	NK2 homeobox B	chr14	protein_coding	
ENSG00000135252.17	1.49348174	3.66719946	6.75E-07	3.99E-06	0.74	1.23	2.47	3.91	MAP7	inositol polyphosphate-associated protein 7	chr16	protein_coding	
ENSG00000107854.5	2.1573027	0.000000	0.000000	0.000000	0.58	1.19	0.52	0.37	RP5-901A1.1	--	chr17	antisense	
ENSG00000205236.1	-1.695041	-0.821593	0.00063882	0.0021308	0.58	1.19	0.52	0.37	RP5-901A1.1	--	chr17	antisense	
ENSG00000119134.14	1.49348174	3.66719946	6.75E-07	3.99E-06	0.74	1.23	2.47	3.91	MAP7	inositol polyphosphate-associated protein 7	chr11	protein_coding	
ENSG00000258472.7	1.39347269	-0.769634	0.00520073	0.01456448	0.58	1.33	1.57	1.55	RP11-192H.2	--	chr17	protein_coding	
ENSG00000275023.3	-1.333465	6.76957379	4.15E-06	2.17E-05	13.71	13.24	7.26	6.99	MLT6	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	chr17	protein_coding	
ENSG00000107223.11	1.2949832	0.000000	0.000000	0.000000	1.15	1.33	0.33	0.43	AP3B2	AP-3 associated protein class B subunit	chr17	protein_coding	
ENSG00000186088.14	-1.1623988	-0.0681661	0.00515988	0.01454684	0.13	0.11	0.28	0.44	GSAP	gamma-secretase activating protein	chr17	protein_coding	
ENSG00000160623.12	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	chr17	protein_coding	
ENSG00000204432.10	1.8710101	0.000000	0.000000	0.000000	0.01	0.1	0.0	0	4.13	HLA-E	HLA class I E chain	chr16	protein_coding
ENSG00000261824.5	-2.5088104	1.6538249	3.24E-13	4.26E-12	1.67	1.82	0.27	0.54	LINC00662	long intergenic non-protein coding RNA 662	chr19	lincRNA	
ENSG0000014987.14	2.1612598	0.4926861	7.64E-10	6.78E-09	0.01	0.49	0.11	0.29	0.17	RHLD24	kech1-family member 24	chr13	protein_coding
ENSG00000226682.2	1.4843127	-1.8562729	0.000000	0.000000	0.06	0.49	0.0	0.02	RP11-85021	--	chr13	protein_coding	
ENSG00000144827.7	1.16101167	2.7390775	0.0002471	0.00071657	1.01	0.92	2.73	3.05	ARHD1D	arbitrarily domain containing 10	chr12	protein_coding	
ENSG00000205708.11	1.2949832	0.000000	0.000000	0.000000	39.31	31.1	0.0	0	2.27	DYRK3L1	dyskerin cohesin 2, light intermediate chain 1	chr12	protein_coding
ENSG00000164812.12	4.09317207	0.87783154	9.78E-20	2.93E-18	0.04	0.03	0.41	1.22	ELOVL7	ELOVL fatty acid elongase 7	chr11	protein_coding	
ENSG00000105116.10	-2.5066489	8.8817	6.81E-17	1.28E-15	133.81	123.7	3.07	30.06	NPPL1	inositol polyphosphate phosphatase-like 1	chr11	protein_coding	
ENSG00000205303.17	2.7047953	0.3252197	0.000000	0.000000	0.47	0.07	0.0	0	1.34	MSH2	mutL homolog 2, mismatch repair associated protein 44	chr11	protein_coding
ENSG00000189591.9	4.0276491	-0.387744	6.69E-13	8.54E-12	0.02	0.02	0.02	0.01	0.68	SCOC-AS1	SCOC antisense 1	chr11	antisense
ENSG00000240965.5	1.1266488	1.7650573	0.00063882	0.00209331	0.04	0.05	0.14	0.12	L22NC03-B	--	chr22	antisense	
ENSG00000198962.2	1.7654983	0.000000	0.000000	0.000000	0.68	0.08	0.0	0	1.34	HIST4B	histone cluster 1, H2ad	chr16	protein_coding
ENSG00000238784.4	5.3740258	-2.796764	0.00100380	0.0049521	0	0	0.5	0	0	RP11-347C1.1	--	chr15	antisense_intronic
ENSG00000279481.1	2.0279507	-1.5706867	0.0013482	0.0053947	0.21	0.11	1.13	0.69	CTD-238Z5.5	--	chr15	antisense_intronic	
ENSG00000122884.11	1.9305274	0.8948007	0.000000	0.000000	1.15	1.33	0.33	0.65	PCP1A1	lysophosphatidylglycerol acyltransferase 1	chr15	protein_coding	
ENSG00000180679.9	2.1287588	-0.276215	6.13E-06	3.10E-05	0.07	0.02	0.08	0.32	YOD1	YOD1 deubiquitinase	chr11	protein_coding	
ENSG0000013549.13	1.0411646	0.31971862	0.0074234	0.0021894	0.32	0.26	0.62	0.11	ZNF862	zinc finger protein 862	chr11	protein_coding	
ENSG00000161124.11	2.0479112	-0.000000	1.25E-20	3.07E-19	0.98	1.43	0.0	9.27	ARGL1	arsenite resistance 1	chr11	protein_coding	
ENSG00000277940.1	2.40484614	-1.297247	0.00010901	0.00043503	0	0.38	1.29	1.4	CTA-380B.				

ENSG00000151158.19	132775234	-0.694467	0.007404	0.01985438	0.01	0.04	0.03	0.12	TTC39B	tetrasporin-like repeat domain 39B	chr9	protein_coding
ENSG00000153978.8	2862344	-0.282581	0.000000	0.000000	0.00	0.00	0.00	0.00	ZNF59P	zinc finger with UFM1-specific peptidase domain	chr9	protein_coding
ENSG00000249731.1	226965688	-1.4015052	0.00037038	0.0011156	0.29	0	1.03	0.92	RP11-2502C	--	chr9	lincRNA
ENSG00000116789.9	-1.900743	6.95655085	9.62E-11	9.65E-10	140.11	102.05	45.94	40.18	CLIC7orf57	chromosome 12 open reading frame 57	chr12	protein_coding
ENSG00000181151.1	1.4280000	0.000000	0.000000	0.000000	0.00	0.00	0.00	0.11	NPFT11	NFTN intron transcribed sequence 11	chr12	sense_intronic
ENSG00000164066.11	219555074	-0.231283	2.52E-06	1.38E-05	0.02	0.01	0.09	0.11	NTU	intrumen planar cell polarity protein	chr12	protein_coding
ENSG00000183474.14	120239342	0.373544	0.00173632	0.00339789	0.08	0.28	0.5	0.58	GTF2H2C	GTF2H2 family member C	chr12	protein_coding
ENSG00000157900.16	1.4780000	0.000000	0.000000	0.000000	0.00	0.00	0.00	0.11	MEG11	maternal expressed gene 11	chr12	sense_intronic
ENSG00000089314.14	139101035	5.4667001	6.01E-12	6.93E-11	1.9	1.86	4.68	8.57	LAMP2	lysosomal-associated membrane protein 2	chr15	protein_coding
ENSG00000200423.10	159496855	127710012	4.15E-06	2.13E-05	0.27	0.34	0.27	1.44	CNFRP1R1	CTD nuclear envelope phosphatase regulatory subunit 1	chr16	protein_coding
ENSG00000151418.11	1.7890000	7.7899769	3.17E-13	3.79E-13	0.19	0.19	0.19	0.21	GLS	glutamate	chr19	protein_coding
ENSG0000023106.7	-1.6860275	5.25993599	1.13E-08	6.71E-08	7.58	8.2	3.16	3.4	LINC000094	long intergenic non-protein coding RNA 94	chr9	antisense
ENSG0000012406.11	-1.074984	9.6799715	0.000316	0.00008658	790.47	306.92	45.31	623.93	LINC000094	long intergenic non-protein coding RNA 94	chr9	antisense
ENSG00000137275.12	1371387	3.69250922	4.60E-06	2.59E-05	1.22	1.57	4.53	5.08	RHPK1	receptor (TNFRSF) interacting serine-threonine kinase 1	chr6	protein_coding
ENSG00000298964.4	-1.4276022	1.8649975	1.05E-05	5.10E-05	4.13	4.74	1.93	2.43	UBE2F-SCLY	UBE2F-SCLY readthrough (NM0 candidate)	chr6	protein_coding
ENSG00000257038.1	1.1998305	-0.282581	0.0004315	0.0029449	0.14	0.12	0.62	0.89	RP11-03043	--	chr11	antisense
ENSG00000283011.0	-3.5834524	-2.6392635	0.003247	0.00049156	0.1	0.22	0	0.03	RP11-32619.1	--	chr14	TEC
ENSG0000016669.12	277910848	0.0632533	9.12E-10	8.02E-09	0.06	0.04	0.18	0.18	ATF7IP2	activating transcription factor 7 interacting protein 2	chr16	protein_coding
ENSG00000263718.2	7.8448191	-1.492238	2.08E-09	2.31E-08	0.4	0.28	1.16	RP11-28559	--	chr17	lincRNA	
ENSG00000184524.5	-7.038449	-1.8002674	1.87E-08	1.38E-07	0.24	0.24	0	0	CEND1	cell cycle exit and neuronal differentiation 1	chr11	protein_coding
ENSG00000102805.12	1.5386016	0.0204748	0.0001994	0.0017551	0.22	0.16	0.5	0.78	GNAS	guanine nucleotide-binding protein G(s) subunit	chr13	protein_coding
ENSG00000063978.9	2.0151897	1.1932924	1.89E-08	1.37E-07	0.09	0.09	0.37	0.59	GPATCH2	G patch domain containing 2	chr1	protein_coding
ENSG0000009776.5	-1.0306637	4.6434559	0.0004030	0.0014305	8.15	8.23	5.27	5.42	ENFB1	ephrin-B1	chr17	protein_coding
ENSG0000006740.5	1.6665055	0.6205211	1.81E-11	6.14E-10	0.71	0.4	0.03	0	ARHGAP44	Rho GTPase activating protein 44	chr17	protein_coding
ENSG00000276564.1	5.9544851	2.869912	0.003915	0.0168951	0.9	0.4	0.2	0	CTA-276R1.1	--	chr16	antisense
ENSG00000218739.8	1.2098717	2.6698114	8.76E-05	0.0003551	0.85	0.73	2.19	2.71	CEBPZOS	CEBPZ opposite strand	chr19	protein_coding
ENSG00000130315.5	-1.2816407	5.6112792	8.93E-05	4.99E-05	63.61	45.38	3.05	29.19	FGS1	6-phosphogluconate dehydratase	chr19	protein_coding
ENSG00000202014.15	1.1137079	5.0641519	0.0001284	0.0005048	7.04	6.41	21.26	17.45	SMARCD3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	chr7	protein_coding
ENSG00000223652.2	1.3448403	-0.5542121	0.0037991	0.0108987	0.24	0.31	0.88	0.96	AC105786.1	--	chr13	antisense
ENSG00000203518.8	1.3791976	0.0367673	5.06E-15	4.13E-14	0.01	0.01	0.01	0.12	AKAP13	A kinase (PKA) anchor protein 13	chr13	protein_coding
ENSG00000181315.9	2.11206372	0.8610803	1.91E-08	1.40E-07	0.16	0.04	0.39	0.81	ZNF322	zinc finger protein 322	chr13	protein_coding
ENSG0000016766.4	4.2377973	1.3295265	5.64E-23	1.68E-21	0.22	0.28	6.37	5.86	LY6E	lymphocyte antigen 6 complex, locus D	chr18	protein_coding
ENSG0000016520.12	1.3920265	0.000000	0.000000	0.000000	0.00	0.00	0.00	0.01	FRM2	formin 2	chr18	protein_coding
ENSG00000205744.8	-0.8307881	-0.9367973	2.62E-14	5.28E-13	0.17	0.4	0.1	0	DENDJ1C	DENN/MAAD domain containing 1C	chr19	protein_coding
ENSG00000205420.3	2.8121515	-2.1220801	0.000000	0.000000	0.00	0.00	0.00	0.01	PTP490C	--	chr16	antisense
ENSG00000164022.11	1.6976538	3.3399576	0.0001593	0.00042485	0.57	0.39	1.52	1.52	USP24	ubiquitin specific peptidase 24	chr16	protein_coding
ENSG00000174442.10	1.5797071	2.0346971	1.22E-06	6.90E-06	0.02	0.6	0.97	2.24	ZWILCH	zinc knectorin protein	chr15	protein_coding
ENSG00000181790.9	7.268117	1.1775120	0.000000	0.000000	0	0	0	0	GA1	--	chr11	protein_coding
ENSG0000028069.1	5.2276104	-2.8805399	0.0029522	0.0056312	0	0	0.12	0.03	CTD-2349P2	--	chr17	TEC
ENSG0000029588.3	3.1026684	-1.570932	4.58E-05	0.0001909	0	0.03	0.08	0.02	TRIM6-TRIM	TRIM6-TRIM3 readthrough	chr17	protein_coding
ENSG00000189025.5	3.1929713	0.000000	0.000000	0.000000	0.00	0.00	0.00	0.19	NCK1	NCK family class 1, cytoskeletal protein 1	chr17	protein_coding
ENSG0000013555.5	7.6419991	-1.2975784	1.18E-10	1.17E-09	0	0	0.07	0.14	PCDH12	protodactin 12	chr15	protein_coding
ENSG00000164989.4	4.1397408	-1.212842	6.30E-08	4.35E-07	0	0.01	0.06	0.09	CDC171	coiled-coil domain containing 171	chr15	protein_coding
ENSG0000015256.14	-1.923956	6.9893472	7.31E-05	4.98E-04	39.2	34.47	0.12	2.17	FKBP1	phosphatidylinositol-dependent kinase 1	chr12	protein_coding
ENSG00000150672.15	1.93542426	-1.6242536	0.0486791	0.01371541	0	0.01	0.02	0.06	DLG2	discs, large homolog 2 (Drosophila)	chr11	protein_coding
ENSG0000015246.9	-1.1061817	4.4159224	0.0001683	0.00061835	18.67	14.16	10.18	10.81	HLIPDA	hyaluronan-linked lipid droplet-associated	chr7	protein_coding
ENSG0000044355.13	1.7281393	5.0513201	0.000000	0.000000	0.00	0.00	0.00	0.12	AKAP13	A kinase homocyt 13	chr13	protein_coding
ENSG00000211690.8	2.53802485	1.3110864	5.93E-12	6.25E-11	0.37	0.14	1.28	2.75	DEPDC7	DEP domain containing 7	chr11	protein_coding
ENSG00000105988.7	1.0214718	0.000000	0.000000	0.000000	0.00	0.00	0.00	0.12	AKAP13	A kinase homocyt 13	chr13	protein_coding
ENSG00000170505.5	3.9487594	-0.1302679	1.50E-12	1.89E-11	0.01	0.03	0.15	0.05	ZNF654	zinc finger protein 654	chr14	protein_coding
ENSG00000179431.6	-3.5767996	4.1685046	5.68E-28	2.36E-26	10.71	11.24	10.77	1.38	FXI	four jointed box 1 (Drosophila)	chr11	protein_coding
ENSG00000133818.11	1.0126638	3.6811823	8.69E-07	3.25E-06	1.68	2.13	1.68	2.07	BRAS2	BRCA1-associated, ras oncogene homolog 2	chr11	protein_coding
ENSG0000023653.7	4.4472783	-1.6872995	6.30E-07	3.74E-06	0.01	0	0.09	0.09	GOLGA8N	glucosyl transferase 8, Golgi apparatus	chr15	protein_coding
ENSG00000143248.11	2.2809126	2.1473829	0.0035424	0.0102709	0.01	0	0.07	0.03	RGS5	regulator of G-protein signaling 5	chr11	protein_coding
ENSG0000019054.12	1.7598657	4.6602971	0.000000	0.000000	0	0	0.12	0.07	SPY1C	yeast polyomavirus-associated, long chain base subunit 1	chr17	protein_coding
ENSG0000025948.1	4.8894445	-0.062281	0.0188973	0.04519557	0	0	0.26	0.67	RP11-1079K	--	chr17	antisense
ENSG0000021584.1	5.4890706	-2.717285	0.0015808	0.0049821	0	0	0.63	0.11	RP11-893C4	--	chr11	lincRNA
ENSG00000229434.1	1.000000	0.000000	0.000000	0.000000	0	0	0	0	PTEN	phosphatidylinositol 3-OH kinase 1	chr10	protein_coding
ENSG00000217947.14	1.4694833	3.2892569	1.36E-06	6.64E-06	1.22	1.17	3.3	5.57	PTPNI2	protein tyrosine phosphatase, non-receptor type 12	chr7	protein_coding
ENSG00000160237.13	1.000000	0.000000	0.000000	0.000000	0.00	0.00	0.00	0	CD32	CD32 (Fc gamma 1b receptor)	chr10	protein_coding
ENSG00000169857.6	-1.593979	4.2160373	8.74E-08	9.90E-07	12.18	16	6.75	5.65	AVEN	apoptosis, caspase activation inhibitor	chr15	protein_coding
ENSG00000156463.16	-4.1459204	2.6485524	1.90E-29	5.88E-28	1.25	1.42	0.11	0.09	SFRP2	SFRP domain containing ring finger 2	chr5	protein_coding
ENSG00000174945.12	-1.1949487	0.0001629	6.29E-02	2.47E-27	0.57	0.61	0.57	0.61	AM21	amyloid family metalloproteinase 1	chr11	protein_coding
ENSG00000154274.13	3.186964	-1.943355	0.0001293	0.00041007	0.02	0	0.13	0.14	C4orf19	chromosome 4 open reading frame 19	chr4	protein_coding
ENSG00000139842.13	-1.046048	6.0243989	0.0002873	0.0010497	9.48	10.66	5.51	7.53	CUL4A	cullin 4A	chr13	protein_coding
ENSG00000166444.6	1.0126638	3.6811823	8.69E-07	3.25E-06	1.68	2.13	1.68	2.07	BRAS2	BRCA1-associated, ras oncogene homolog 2	chr11	protein_coding
ENSG00000152457.16	1.3028798	0.2704558	0.0008295	0.00276331	0.07	0.11	0.27	0.3	DCXLEC1	DNA cross-link repair 1C	chr10	protein_coding
ENSG0000014491.7	-7.979722	1.1324016	1.29E-35	7.86E-34	0.65	0.83	0	0.01	SLC26A9	solute carrier family 26 (anion exchanger), member 9	chr19	protein_coding
ENSG00000181816.11	5.2721949	2.1902537	9.50E-35	5.43E-33	0.06	0.01	1.98	2.06	ZNF541	zinc finger protein 541	chr19	protein_coding
ENSG0000015710.12	-1.4198135	5.8849588	1.08E-06	6.16E-06	15	18.06	8.1	8.51	MAP1L1	actin filament associated protein 1-like 1	chr5	protein_coding
ENSG00000166215.6	1.2618921	0.5316223	0.000000	0.000000	0.00	0.00	0.00	0.14	RAB38	RAB38 member RAS oncogene family	chr19	protein_coding
ENSG00000164488.10	4.8998041	-0.0567113	0.0189873	0.04519557	0	0	0.03	0.03	DACT2	dishevelled-binding antagonist of beta-catenin 2	chr6	protein_coding
ENSG00000144851.13	1.8274648	0.000000	0.000000	0.000000	0.00	0.00	0.00	0.12	AKAP13	A kinase homocyt 13	chr13	protein_coding
ENSG00000168127.7	1.6600182	1.6343817	8.01E-07	4.68E-06	0.08	0.08	0.08	0.08	HCOX3	hook microtubule-anchoring protein	chr6	protein_coding
ENSG00000090530.13	-2.782153	0.2701356	2.76E-11	2.95E-10	0.32	0.25	0.05	0.04	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	chr6	protein_coding
ENSG00000107878.13	1.2813468	0.000000	0.000000	0.000000	0.00	0.00	0.00	0.12	AKAP13	A kinase homocyt 13	chr13	protein_coding
ENSG0000027825.1	2.1038433	0.7395169	3.48E-08	2.76E-07	0.9	0.57	5.6	2.88	LINC1200Z-1	--	chr21	antisense
ENSG00000166341.7	-5.995397	-2.569738	0.0001482	0.00057423	0.03	0.01	0.1	0	DCHS1	dyschous cadherin-related 1	chr11	protein_coding
ENSG00000174468.12	1.000000	0.000000	0.000000	0.000000	0.00	0.00	0.00	0.12	AKAP13	A kinase homocyt 13	chr13	protein_coding
ENSG000001880011.11	1.19269715	3.0093372	6.68E-05	0.0003215	5.54	3.53	13.19	14.53	MORN2	MORN repeat containing 2	chr2	protein_coding
ENSG0000023570.8	-2.2069478	4.4208867	3.37E-11	3.55E-10	4.73	5.11	1.74	1.73	KIAA0040	KIAA0040	chr1	protein_coding

ENSG00000213648.8	-3.3014014	-0.9929666	2.19E-08	1.59E-07	0.42	0.32	0.1	0	GSPM3	G-protein signaling modulator 3	chr6	protein_coding
ENSG00000152499.11	1.82855709	-1.2895254	3.89E-05	0.0001873	0.02	0	0.1	1.17	RAG2	member of RAS oncogene family	chr6	protein_coding
ENSG00000244754.7	1.83078958	2.3137486	1.33E-08	1.00E-07	0.01	0.19	0.44	0.07	ZNF773	zinc finger protein 773	chr19	protein_coding
ENSG0000064225.11	1.83078958	2.3137486	1.33E-08	1.00E-07	0.01	0.19	0.44	0.07	ZNF773	zinc finger protein 773	chr19	protein_coding
ENSG00000138660.10	1.7102993	0.3662845	7.26E-06	3.02E-05	0.17	0.2	0.4	1.18	APJAR	ADP-ribosylated protein complex 1 associated regulatory protein	chr4	protein_coding
ENSG00000235894.3	-8.6088306	1.74657017	7.44E-44	7.13E-42	2.85	3.96	0.02	0	UNC00941	long intergenic non-protein coding RNA 941	chr12	lincRNA
ENSG00000144666.11	1.7102993	0.3662845	7.26E-06	3.02E-05	0.17	0.2	0.4	1.18	APJAR	ADP-ribosylated protein complex 1 associated regulatory protein	chr4	protein_coding
ENSG0000017460.11	-1.7193636	8.6066613	8.83E-79	5.43E-76	39.05	46.14	0.02	0	SLOC2A1	solute carrier organic anion transporter family, member 2A1	chr3	protein_coding
ENSG0000024742.4	3.8822596	2.5180133	2.31E-26	8.73E-25	0.11	0.17	2.54	3.08	RGA4	retrotransposon gag domain containing 4	chr4	protein_coding
ENSG0000011707.14	1.83078958	2.3137486	1.33E-08	1.00E-07	0.01	0.19	0.44	0.07	ZNF773	zinc finger protein 773	chr19	protein_coding
ENSG0000019413.1	1.87690491	0.1771993	6.02E-06	3.04E-05	0.03	0.1	0.15	0.47	ZNF181	zinc finger protein 181	chr5	protein_coding
ENSG0000024692.6	1.3053691	4.3484844	9.45E-06	1.75E-06	1.43	1.44	4.69	4.47	INT-AS1	INT intronic transcript 1	chr19	antisense
ENSG0000019657.9	4.6674355	-1.810689	9.92E-10	8.71E-09	0.02	0.14	0.01	0	CACNA1H	calcium channel, voltage-dependent, T type, alpha 1H subunit	chr16	protein_coding
ENSG000001728.15	2.7380043	2.8202423	9.23E-17	1.71E-15	0.26	0.4	2.12	3.82	PRPF48	PQ loop repeat containing 48	chr6	protein_coding
ENSG00000178946.10	-1.1163494	7.0244854	9.45E-06	1.75E-06	1.43	1.44	4.69	4.47	INT-AS1	INT intronic transcript 1	chr19	antisense
ENSG00000268350.6	-1.2259606	1.3302322	0.000274	0.0009926	0.59	0.78	0.43	0.35	FAM156A	family with sequence similarity 156, member A	chr4	protein_coding
ENSG00000277031.1	5.1240284	-0.3867272	1.83E-14	2.77E-13	0	0.15	5.63	1.86	HST1H2BM	histone cluster 1, H2bm	chr6	protein_coding
ENSG00000176963.11	-3.190013	0.8811894	0.0161662	0.0398166	0.2	0.07	0.06	0	CTD-204T4	CTD-204T4	chr17	antisense
ENSG0000018328.13	1.8056387	4.1161044	0.0002309	0.0006178	11.14	10.03	33.81	25.88	NUDT14	nucleoside diphosphate linked moiety X-ti-vice motif 14	chr14	protein_coding
ENSG00000162976.11	10.171205	1.46714367	0.00222879	0.00704761	0.92	0.67	1.8	2.5	POLC3	PQ loop repeat containing 3	chr2	protein_coding
ENSG0000018457.4	3.9692524	0.8970916	2.14E-18	4.56E-17	0.12	0.42	0.04	0.04	HIST1H1B	histone cluster 1, H1b	chr6	protein_coding
ENSG00000168811.5	5.6640976	-2.616209	0.0008654	0.0028128	0	0	0.04	0.21	IL12A	interleukin 12A	chr5	protein_coding
ENSG00000276724.6	6.45521709	-2.070936	3.03E-06	1.62E-05	0.55	0.47	1.00	0.91	RP11-1000B9	RP11-1000B9	chr15	sense_intronic
ENSG0000017275.14	4.56132701	3.72729789	2.86E-27	1.25E-16	0.01	0	0	0.29	DCP2	decapping mRNA 2	chr12	protein_coding
ENSG000002102945.10	-5.9999908	-2.5677429	0.0004842	0.00057423	0.02	0.03	0	0	KCSC3	IQ motif and Sec7 domain 3	chr12	protein_coding
ENSG00000196703.11	-2.211648	4.96115968	2.23E-13	2.95E-12	13.33	12.47	0.95	3.47	ANKRD13B	ankyrin repeat domain 13B	chr17	protein_coding
ENSG0000010296.12	-1.1913406	6.98942764	3.64E-05	0.0001978	27.28	29.09	16.61	16.26	THOC5	THO complex 5	chr12	protein_coding
ENSG00000102119.9	-2.283656	6.7784282	1.94E-14	2.92E-13	109.79	104.78	29.15	29.38	EMD	emerin	chr14	protein_coding
ENSG00000134313.13	1.9283957	3.2280923	1.91E-09	3.41E-08	0.39	0.44	1.53	2.37	KDN252A	kinase D-interacting substrate 220kDa	chr10	protein_coding
ENSG0000066875.13	-1.8852184	6.80056221	1.48E-10	1.44E-09	22.44	19.07	79.77	7.45	KIF26A	kinase III family member 26A	chr14	protein_coding
ENSG00000198420.8	2.44147054	4.2497707	4.80E-15	7.89E-14	0.73	0.95	4.29	7.71	TCAP1	TRPM channel-associated factor 1	chr7	protein_coding
ENSG00000198208.14	1.3841898	4.4326266	8.38E-06	1.57E-05	15.7	13.1	6.17	6.87	CABT	craniosacral repressor of transcription	chr16	protein_coding
ENSG00000138270.12	-1.1689695	1.9752962	5.09E-05	0.00021703	42.81	38.56	24.66	23.73	TRRF4	transcriptional core factor beta regulator 4	chr4	protein_coding
ENSG00000163644.13	1.1054895	0.0000000	0.0137327	0.0002406	0.67	0.67	0.07	0.01	PMX1K	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent, 1K	chr4	protein_coding
ENSG00000184507.11	6.905724	4.93101686	8.84E-13	1.11E-11	14.29	14.97	4.43	4.45	SCC3	suppressor of chromosome segregation 3	chr17	protein_coding
ENSG00000403355.9	-2.5876151	3.47910667	2.75E-16	4.81E-15	4.6	5.79	1.42	0.88	ZIC2	Zic family member 2	chr13	protein_coding
ENSG00000196703.11	-2.211648	4.96115968	2.23E-13	2.95E-12	13.33	12.47	0.95	3.47	ANKRD13B	ankyrin repeat domain 13B	chr17	protein_coding
ENSG00000237485.5	1.8900718	0.6616324	2.14E-07	1.37E-06	0.12	0.24	0.09	0.09	CECR7	cat eye syndrome chromosome region, candidate 7 (non-protein coding)	chr22	lincRNA
ENSG00000269589.1	5.4597457	-7.7440718	0.0018038	0.00495521	0	0	0.55	0.08	STAM1	STAM antigen RNA 1 (head to head)	chr10	antisense
ENSG00000189811.11	1.708111	0.209613	1.70E-11	2.09E-13	379.25	38.7	10.29	189.58	SARS	serine/threonine phosphatase	chr2	protein_coding
ENSG00000102978.15	-2.6140898	-1.7300416	0.0004263	0.00156293	0.07	0.02	0.02	0	HNF4A	hepatocyte nuclear factor 4, alpha	chr2	protein_coding
ENSG00000204820.8	-2.2480816	-1.978295	0.0017973	0.0056364	0.06	0.04	0.02	0	PCDH1A	protodermalin alpha 1	chr5	protein_coding
ENSG00000136126.11	2.8489765	0.4092942	2.82E-08	1.52E-05	1.61	0.67	0.1	0.47	CTC1-478E3.1	CTC1-478E3.1	chr16	antisense
ENSG00000241333.3	0.84894445	-3.0622981	0.0188973	0.04519557	0	0	0.23	0.59	RNLS385P	RNA, 75L, cytoplasmic 35S, pseudogene	chr1	antisense
ENSG0000027145.11	1.57356491	-0.9504497	0.00279881	0.0032258	0.1	0.12	0.57	0.29	NFYC-AS1	NFYC antisense RNA 1	chr1	antisense
ENSG00000145758.8	2.2951801	3.72729789	2.86E-27	1.25E-16	0.01	0	0	0.29	DCP2	decapping mRNA 2	chr12	protein_coding
ENSG0000040928.2	6.2410212	-2.2241472	1.55E-05	7.26E-05	0	0	0.15	0.41	CMT2C	KU1-like MARVEL transmembrane domain containing 2	chr16	protein_coding
ENSG0000017297.16	1.83078958	2.3137486	1.33E-08	1.00E-07	0.01	0.19	0.44	0.07	INT-AS1	INT intronic transcript 1	chr19	antisense
ENSG0000069345.16	4.083537	2.0967941	4.62E-26	1.70E-24	0.03	0.02	0.36	0.77	RIF1	replication timing regulatory factor 1	chr2	protein_coding
ENSG00000245857.2	3.041371	-0.8096546	1.36E-07	8.92E-07	0.1	0.05	0.52	1.15	GS1-24F4.2	GS1-24F4.2	chr14	antisense
ENSG00000179881.4	1.8926896	2.2289094	1.91E-09	4.24E-08	0.57	0.48	2.48	4.44	ENRFBP3	ring finger protein 139	chr18	protein_coding
ENSG00000257621.6	1.4915109	2.7831309	1.59E-06	8.86E-06	0.41	0.34	0.83	2.02	PSMA3-AS1	PSMA3 antisense RNA 1	chr4	antisense
ENSG0000015008.5	-8.8924048	-2.6371828	0.0002635	0.0009747	0.11	0.05	0	0	IL1A	interleukin 1, alpha	chr1	protein_coding
ENSG00000129953.11	3.174904	3.14	4.06E-09	4.06E-09	1.4	1.24	0.61	0.89	CCP1	coatomer protein complex, subunit beta 1	chr19	protein_coding
ENSG00000198093.9	8.55185225	-0.318748	2.65E-17	5.13E-16	0	0	0.46	0.49	ZNF649	zinc finger protein 649	chr11	protein_coding
ENSG00000145040.3	-1.679726	2.9424541	5.11E-08	3.96E-07	7.19	56.3	2.73	2.92	UNC2	uncoupled 2	chr3	protein_coding
ENSG00000160181.8	3.8624927	0.7035887	8.38E-06	1.57E-05	15.7	13.1	6.17	6.87	CABT	craniosacral repressor of transcription	chr16	protein_coding
ENSG00000112715.19	-1.2265646	1.40735857	2.15E-05	9.22E-05	46.84	55.33	27.49	30.81	WRAM1	Myo-1-like MARVEL transmembrane domain containing 1	chr14	protein_coding
ENSG0000017010.2	0.0018038	0.0000000	0.0137327	0.0002406	0.67	0.67	0.07	0.01	PMX1K	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent, 1K	chr4	protein_coding
ENSG00000102078.14	-1.1261718	3.0540364	5.60E-05	0.00023652	5.53	4.89	2.14	3.86	SLC25A14	solute carrier family 25 (mitochondrial carrier, brain), member 14	chr14	protein_coding
ENSG00000807303.15	-1.982395	1.5420348	4.92E-09	3.93E-08	0.08	0.69	0.23	0.27	IND2	indolegen 2 (ostrogenindole)	chr4	protein_coding
ENSG0000021845.4	2.2951801	3.72729789	2.86E-27	1.25E-16	0.01	0	0	0.29	DCP2	decapping mRNA 2	chr12	protein_coding
ENSG0000021459.2	3.5747601	11.641476	4.93E-30	2.27E-28	359.24	481.65	846.01	4764.58	ML-RNR1	mitochondrially encoded 12S rRNA	chr10	lincRNA
ENSG00000190347.13	2.4078381	1.3391871	3.34E-14	4.90E-13	0.24	0.33	1.95	2.07	ARID5B	AT rich interactive domain 5B (BMF1-like)	chr10	protein_coding
ENSG00000164953.14	2.7144244	0.6321768	6.62E-08	7.71E-10	0.62	0.62	0.17	0.17	NTX2	nucleoside triphosphate transferase 2	chr3	protein_coding
ENSG0000014859.13	-1.1913805	4.5767621	4.63E-05	0.00020002	8.87	7.43	0.41	0.41	CLCN2	chloride channel, voltage-sensitive 2	chr2	protein_coding
ENSG00000250682.4	8.4901916	-0.3617356	6.57E-17	1.23E-16	0.5	0.5	1.53	1.59	UNC00941	long intergenic non-protein coding RNA 941	chr12	lincRNA
ENSG0000015918.19	0.898024	1.852119	0.0000000	0.0000000	0.03	0.03	0	0	PMX1K	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent, 1K	chr4	protein_coding
ENSG00000092421.5	-5.5188383	-2.864712	0.0018038	0.00495521	0.03	0	0	0	SEMA6A	semaphorin 6A, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	chr5	protein_coding
ENSG00000252183.3	2.9522943	0.3703083	4.35E-11	4.53E-10	0.06	0.05	0.6	0.4	EBP2CL1	ubiquitin-conjugating enzyme E2Q family class 1	chr19	protein_coding
ENSG0000027555.2	1.83078958	2.3137486	1.33E-08	1.00E-07	0.01	0.19	0.44	0.07	INT-AS1	INT intronic transcript 1	chr19	antisense
ENSG00000084620.10	-1.1709663	8.5184759	4.73E-05	0.00020001	288.29	265.47	17.75	16.07	FIF3	eukaryotic translation initiation factor 3, subunit I	chr19	protein_coding
ENSG0000026538.11	2.8612636	0.0000000	0.0000000	0.0000000	0.02	0.02	0.15	0.05	AC095253.3	AC095253.3	chr19	antisense
ENSG00000213096.8	-8.037246	-0.9377505	3.62E-14	5.28E-13	0.12	0.23	0.1	0.25	ZNF254	zinc finger protein 254	chr19	protein_coding
ENSG00000251131.1	-1.4069138	2.2256796	8.63E-06	4.25E-05	10.98	8.76	5.44	4.48	CTD-203E1	CTD-203E1	chr15	antisense
ENSG00000136318.12	1.9283957	3.2280923	1.91E-09	3.41E-08	0.39	0.44	1.53	2.37	KDN252A	kinase D-interacting substrate 220kDa	chr10	protein_coding
ENSG00000181917.12	1.1186986	2.23045286	0.00037851	0.00135489	0.51	0.86	1.15	2.83	DDX59	DEAD (Asp-Glu-Asp) box polypeptide 59	chr4	protein_coding
ENSG0000067546.2	-2.216043	-1.0581961	1.86E-06	1.03E-05	0.25	0.27	0.04	0.13	RP11-766A8	RP11-766A8	chr17	antisense
ENSG00000164070.10	2.275174	0.738157	6.24E-06	7.88E-08	0.62	0.62	0.17	0.17	NTX2	nucleoside triphosphate transferase 2	chr3	protein_coding
ENSG00000166037.9	2.4918713	2.77108611	1.88E-14	2.81E-13	0.37	0.36	1.84	3.62				

ENSG00000188706.11	-1.9426347	6.3683143	4.66E-11	4.84E-10	20.71	24.46	8.43	7.18 ZDHHC9	zinc finger, DHHC-type containing 9	chr18	protein_coding		
ENSG0000022804.17	1.1632354	1.9283954	9.98E-07	2.02E-07	4.47	3.81	2.81	axin1	axin1	chr18	antisense		
ENSG00000272703.1	6.6934369	-1.8848726	5.73E-07	2.30E-06	0	0	0.48	157 RP11-78A19.1	...	chr18	antisense		
ENSG00000214511.17	2.0969747	0.4707617	4.76E-12	5.55E-11	0.59	0.83	3.91	473 NCOA3	nuclear receptor coactivator 3	chr20	protein_coding		
ENSG00000189836.10	4.4504466	1.9824466	1.05E-09	9.28E-19	0.44	0.43	1.92	684 INTS2	integrator complex subunit 2	chr19	protein_coding		
ENSG00000138162.12	-1.9103982	5.8496845	1.09E-10	1.08E-09	7.83	7.53	2.78	266 MICAL2	microtubule associated monoxygenase, calponin and LIM domain containing 2	chr20	protein_coding		
ENSG0000021826.13	2.6345492	8.8640633	2.47E-18	5.22E-17	15.97	17.97	138.61	14419 CPS1	carbamoyl-phosphate synthase 1, mitochondrial	chr21	protein_coding		
ENSG00000138511.12	4.4504466	1.9824466	1.05E-09	9.28E-19	0.44	0.43	1.92	684 INTS2	integrator complex subunit 2	chr19	protein_coding		
ENSG00000182871.13	1.93181295	3.47897127	3.82E-06	2.01E-05	0.74	0.71	2.52	1.62 POF1P1	polycomb target 1	chr21	protein_coding		
ENSG00000276200.1	6.49255139	-2.0492034	1.78E-06	9.65E-06	0.07	0.14	0.64	108 RP11-76D02.2	...	chr21	antisense		
ENSG00000177615.15	1.53709468	4.6938262	1.83E-08	2.29E-05	2.35	2.47	1.83	1832 SLYW	SARF-1-like, transcription modulator	chr19	lincRNA		
ENSG00000130270.15	-1.2238199	5.0469695	4.22E-05	0.0001834	2.33	1.65	1.11	117 ATP8B3	ATPase, aminohydroxyethyl transporter, class 1, type 8B, member 3	chr19	protein_coding		
ENSG00000210107.1	1.93181295	3.47897127	3.82E-06	2.01E-05	0.74	0.71	2.52	1.62 POF1P1	polycomb target 1	chr21	protein_coding		
ENSG00000198889.4	4.3098353	1.74436339	1.14E-25	4.10E-24	0.11	0.14	2.26	436 EPCAM	epithelial cell adhesion molecule	chr12	protein_coding		
ENSG00000120686.11	-8.123874	-0.8653968	1.19E-14	1.64E-13	0.38	0.18	0	0 ENK1	ecto-NOX disulfide-thiol exchanger 1	chr13	protein_coding		
ENSG00000163006.10	2.3674408	-0.3892212	8.89E-06	9.15E-06	0.04	0.01	0.27	1.06 C22orf38	coiled-coil domain containing 138	chr2	protein_coding		
ENSG00000164233.11	1.9362468	-0.2638139	2.38E-05	0.00010714	0.02	0.06	0.1	0.31 CFA9P7	alpha and flagella associated protein 97	chr4	protein_coding		
ENSG0000015102.15	1.1048339	2.8476049	0.0003196	0.010991	1.14	1.37	2.83	44 NGV1Y	N-glycanase 1	chr3	protein_coding		
ENSG00000259621.11	-5.5198359	-2.8474712	0.0018008	0.0048957	0.11	0	0	0 RP11-37D79	...	chr12	antisense		
ENSG0000023002.2	3.2991967	-1.8616257	0.0016407	0.00082818	0	0.03	0.2	0.18 ALMS1-IT1	ALMS1 intronic transcript 1	chr2	sense_intronic		
ENSG00000232626.8	1.3265254	-0.3280461	0.0023811	0.0170204	0.04	0.06	0.11	0.21 ZNF525	zinc finger protein 525	chr19	protein_coding		
ENSG00000232324.1	-8.2606861	0.9141927	3.53E-31	1.72E-29	4.53	6.33	0.06	0.05 AC099401.0	...	chr8	antisense		
ENSG00000189376.10	1.7329252	2.5962416	3.76E-08	2.66E-07	1.85	1.46	0.86	7.88 C8orf76	chromosome 8 open reading frame 76	chr8	protein_coding		
ENSG00000144440.10	-2.6664415	-0.438533	3.60E-08	2.55E-07	0.89	0.11	0.02	0.02 C1orf1	indochinolinase-like syndrome 1	chr11	protein_coding		
ENSG00000195949.13	1.5359854	5.14969174	4.75E-06	6.52E-05	8.47	5.77	2.02	1.42 C1orf1	Ras association (RAC25/AR-6) domain family (N-terminal) member 7	chr11	protein_coding		
ENSG00000189896.10	-1.0951027	8.9077312	0.0001374	0.0003966	19.57	19.94	124.37	120.31 LAMP1	lysosomal-associated membrane protein 1	chr13	protein_coding		
ENSG00000209822.11	1.07740338	3.2983287	0.0002353	0.0010786	0.84	0.65	1.69	2.56 C6orf3	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	chr7	protein_coding		
ENSG00000170525.17	1.1176381	6.24156112	0.0001077	0.0004343	8.09	7.37	20.05	2.48 PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	chr7	protein_coding		
ENSG00000216444.17	1.3156761	2.63054943	2.23E-05	0.00010133	0.77	0.57	1.54	2.95 DES2	desmoplamin isopeptidase 2	chr13	protein_coding		
ENSG00000156711.15	2.9369393	3.1332366	1.29E-18	2.59E-17	0.32	0.18	2.38	4.49 MAPK13	mitogen-activated protein kinase 13	chr13	protein_coding		
ENSG00000138108.13	3.1980466	2.0758879	4.17E-19	9.44E-18	0.11	0.19	1.08	2.7 CKA2P	cytoskeleton associated protein 2	chr13	protein_coding		
ENSG00000217788.1	1.14760514	1.0689719	0.0002317	0.0120298	0.09	0.17	0.15	0.61 FITS	interferon-gamma induced protein with tetrapeptide repeats 5	chr10	protein_coding		
ENSG0000012498.9	1.1929899	1.1929899	0.0002317	0.0120298	0.09	0.17	0.15	0.61 FITS	interferon-gamma induced protein with tetrapeptide repeats 5	chr10	protein_coding		
ENSG00000131931.7	2.0651822	0.2135443	8.06E-07	4.71E-06	5.4	5.07	0.24	0.55	1.17 THAP1	THAP domain containing, apoptosis associated protein 1	chr10	protein_coding	
ENSG0000014298.9	-1.1587001	5.529921	6.90E-06	0.0002089	0.57	0.42	0.24	0.22 C2orf2	chromatin release-activated calcium modulator 2	chr10	protein_coding		
ENSG00000141404.14	1.0251073	0.4767101	1.20E-06	6.53E-06	0.88	0.84	0.66	0.46 GNAI1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, alpha type 1	chr18	protein_coding		
ENSG00000147904.4	-1.467697	5.2412143	5.21E-07	3.15E-06	14.56	18.71	8.33	7.66 PKDIP6	polycystic kidney disease 1 (autosomal dominant) pseudogene 6	chr16	processed_transcript		
ENSG0000014418.16	1.0812658	1.0812658	8.08E-07	4.18E-06	0.52	0.25	0.24	4.41 C1orf1	large T-antigen related, autoantigenic homolog 1	chr16	protein_coding		
ENSG00000130307.7	-4.5884464	-1.2442568	2.17E-09	1.82E-08	0.37	0.15	0.23	0	0 PLVAP	plasmaless, vesicle associated protein	chr19	protein_coding	
ENSG00000157045.7	-1.281234	4.9326078	1.30E-05	6.18E-05	18.96	20.55	9.05	12.47 NTA1	N-terminal asparagine associated protein	chr16	protein_coding		
ENSG00000279966.11	-5.238961	0.673767	0.0003196	0.010991	1.14	1.37	2.83	44 NGV1Y	N-glycanase 1	chr3	protein_coding		
ENSG0000027977.1	2.0359449	-0.4952123	1.45E-05	0.64E-05	0.44	0.33	0.2	0.28 CTA-390C10	...	chr22	sense_intronic		
ENSG00000259785.5	-6.2420973	-0.5480314	2.41E-17	4.89E-16	0.13	0.14	0	0	0 NYNRIN	NYN domain and retroviral integrase containing	chr22	protein_coding	
ENSG00000142700.10	1.1878191	4.4823124	7.03E-07	7.13E-05	4.94	4.24	1.97	4.58 CDM2A2	DMRT-like family A2	chr12	protein_coding		
ENSG00000265096.1	0.4736291	1.6623716	3.59E-24	1.17E-22	0.5	0.06	6.23	6.23 C10TFN1-AT	C10TFN1 antisense RNA 1	chr19	antisense		
ENSG00000147699.15	-3.923991	3.1576948	1.24E-29	5.64E-28	2.86	1.88	0.62	0.02 FAM83A	family with sequence similarity 83, member A	chr19	protein_coding		
ENSG00000140486.12	1.9329253	1.1714737	1.89E-09	9.15E-09	0.52	0.25	0.2	0.2	0 GNAI1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, alpha type 1	chr18	protein_coding	
ENSG00000177728.13	-1.1067252	5.1877603	0.0001377	0.0003979	1.29	7.47	4.85	4.46 RAAO195	KIAA0195	chr17	protein_coding		
ENSG00000155946.12	1.0812658	1.0812658	8.08E-07	4.18E-06	0.52	0.25	0.24	4.41 C1orf1	large T-antigen related, autoantigenic homolog 1	chr16	protein_coding		
ENSG00000279900.1	5.4500724	-2.7494288	0.0018008	0.0049521	0	0	0	-16 RP11-113K2.1	...	chr17	antisense		
ENSG00000168393.11	-1.160242	5.6624906	6.23E-05	0.0002157	51.49	40.32	29.87	24.8 DTYMK	deoxythymidylate kinase (thymidylate kinase)	chr2	protein_coding		
ENSG00000181791.17	3.929326	5.7888589	0.0003196	0.010991	1.14	1.37	2.83	44 NGV1Y	N-glycanase 1	chr3	protein_coding		
ENSG00000158112.12	1.66700214	2.3575001	1.78E-07	1.15E-06	0.13	0.22	0.64	0.22	0.64	chr2	protein_coding		
ENSG00000145362.15	1.3564864	-1.1891145	0.0165825	0.0452383	0.01	0.02	0.03	0.04	ANKK2	ankyrin 2, neuronal	chr2	protein_coding	
ENSG00000149398.15	1.9637193	0.622222	1.42E-07	1.07E-07	0.13	0.22	0.49	0.15	NAPA1	neurokinin A/kappa-opioid receptor 1	chr2	protein_coding	
ENSG00000205765.7	1.9566422	1.5348082	1.42E-08	1.04E-07	0.13	0.22	0.49	1.35 C6orf5	chromosome 6 open reading frame 5	chr5	protein_coding		
ENSG00000201302.4	2.8982919	-0.582119	6.90E-07	4.07E-06	0.13	0	0.59	0.82 RP11-343H1	KRT11 ankyrin repeat containing	chr16	antisense		
ENSG00000101531.13	1.0507122	1.8978388	6.17E-10	5.54E-09	0.49	0.1	0.02	0.16	0.16 KRT11	keratin 11	chr16	protein_coding	
ENSG00000171213.11	-0.1811323	-2.387921	4.74E-05	0.0002001	0.06	0.1	0	0	0 SFRN12	schlafen family member 12	chr17	protein_coding	
ENSG00000265089.9	1.9329253	1.1714737	1.89E-09	9.15E-09	0.52	0.25	0.24	4.41 C1orf1	large T-antigen related, autoantigenic homolog 1	chr16	protein_coding		
ENSG00000154122.11	-1.054423	6.4693934	0.0005218	0.0009366	12.14	11.75	7.34	8	ANKK1	ANKK1 inorganic pyrophosphate transport regulator	chr14	protein_coding	
ENSG00000276301.1	5.2074797	-2.8911589	0.0053815	0.01488851	0	0	0.45	0.58 RPE-65G23.2	...	chr14	antisense		
ENSG00000234477.1	1.9329253	1.1714737	1.89E-09	9.15E-09	0.52	0.25	0.24	4.41 C1orf1	large T-antigen related, autoantigenic homolog 1	chr16	protein_coding		
ENSG00000124920.12	-4.5287086	3.6337409	3.02E-13	2.92E-15	3.16	3.15	0.24	0.13	MYRF	myelin regulatory factor 2	chr11	protein_coding	
ENSG00000265998.17	-3.125771	-1.1428666	8.65E-07	5.03E-06	0.27	0.07	0.06	0	0 CYG5	cyg5	chr10	protein_coding	
ENSG00000239863.3	1.9329253	1.1714737	1.89E-09	9.15E-09	0.52	0.25	0.24	4.41 C1orf1	large T-antigen related, autoantigenic homolog 1	chr16	protein_coding		
ENSG00000143416.19	-5.9018396	4.6172524	3.31E-54	5.98E-52	16.46	12.73	0.2	0.4	NUDNL1P	nucléosome binding protein	chr10	protein_coding	
ENSG00000196856.10	-1.1543271	5.3478255	6.95E-05	0.0002889	6.08	6.67	3.62	4.13 H4UENP1	histone H4 nucleosome binding protein 1	chr10	protein_coding		
ENSG0000025982.1	1.0302466	-0.672418	1.89E-07	4.18E-06	0.52	0.25	0.24	4.41 C1orf1	large T-antigen related, autoantigenic homolog 1	chr16	protein_coding		
ENSG00000109705.7	-1.2494407	5.0413241	0.0001245	0.0004914	0.65	0.55	0.52	0.27	NUO3-2	NK3 homeobox 2	chr4	protein_coding	
ENSG00000249702.2	-6.5014516	-2.1153917	5.19E-06	2.66E-05	0.3	0.03	0.03	0	0	0 LINC00682	long intergenic non-protein coding RNA 682	chr4	lincRNA
ENSG0000024392.11	2.9329253	1.1714737	1.89E-09	9.15E-09	0.52	0.25	0.24	4.41 C1orf1	large T-antigen related, autoantigenic homolog 1	chr16	protein_coding		
ENSG00000276811.1	5.3392707	-2.8158158	0.0029022	0.0089632	0	0	0.21	0.31	CTC-5959A.4	...	chr19	antisense	
ENSG00000224902.5	1.8892822	-2.8474712	0.0003196	0.010991	1.14	1.37	2.83	44 NGV1Y	N-glycanase 1	chr3	protein_coding		
ENSG00000178719.13	1.7892826	4.7602597	1.88E-09	1.57E-08	5.38	5.96	21.02	31.47	AP5L1				

ENSG00000280302.1	-5.2091882	-3.0548827	0.0053865	0.01488851	0.03	0.03	0	0	RP11-64C12 --	chr18	TEC
ENSG00000174614.1	-1.5318469	1.1914408	0.0000000	0.0000000	0.00	0.00	0	0	ACV1011	chr18	Meiv10 RISC complex RNA helicase like 1
ENSG0000029207.6	-1.5224124	2.4285646	1.185	6.55E-06	1.49	1.44	0.67	0.69	HTG83	chr18	integrin, beta 3 (platelet glycoprotein IIb, antigen CD61)
ENSG0000024171.7	3.3113174	0.5073502	1.01E-13	1.41E-12	0.02	0.06	0.56	0.55	PAR6DB	chr18	par-6 family cell polarity regulator beta
ENSG00000179325.1	-1.1311010	2.7849828	0.0000000	0.0000000	0.00	0.00	0.00	0	CPYF113	chr18	cytoskeleton protein family 4, subfamily 1, polypeptide 11
ENSG00000156817.3	-3.2700954	1.5847827	1.28E-21	3.52E-20	1.75	2.15	0.27	0.27	DACT1	chr18	dishevelled-binding antagonist of beta-catenin 1
ENSG0000011799.19	1.3221457	8.0306661	4.75E-06	2.48E-05	9.76	10.29	30.51	36.42	COL2A1	chr18	collagen, type XII, alpha 1
ENSG00000175456.13	-1.2184926	2.1942626	3.05E-26	1.17E-24	2.44	2.61	0.61	0.61	COL2A4	chr18	collagen, type II, alpha 4
ENSG00000183868.8	-3.2131869	4.5969516	4.79E-24	1.55E-22	22.47	19.36	3.23	2.78	FHL3	chr18	four and a half LIM domains 3
ENSG00000232202.2	-1.7528945	-1.3869791	7.65E-11	7.77E-10	1.96	0.67	0.45	0.45	AC308A05	chr18	actin-binding protein 308A05
ENSG00000242464.4	-1.3602626	2.3302629	1.97E-06	2.22E-05	1.04	0.04	0.52	0.52	NPPA-AS1	chr18	non-poly(A) sense RNA 1
ENSG00000180486.8	2.5757854	2.6767163	4.07E-15	6.58E-14	0.42	0.27	2.28	0.41	DNH40	chr17	DEAH (Asp-Glu-Ala-His) box polypeptide 40
ENSG00000181079.13	1.4652685	2.8203689	1.97E-06	2.22E-05	1.04	0.04	0.52	0.52	TCF11	chr17	TCF family member 1 (SV40 transcriptional enhancer factor)
ENSG00000187608.7	-1.1317919	6.2914329	5.33E-06	2.72E-05	99.86	92.27	53.08	49.4	IGS15	chr17	IGS15 ubiquitin-like modifier
ENSG00000143452.14	1.6238959	-0.962787	0.0021697	0.0066013	0.01	0.18	0.2	0.58	HORMAD1	chr17	HORMA domain containing 1
ENSG00000154803.11	1.9697995	4.2323378	4.27E-07	2.22E-05	2.01	2.25	7.36	7.1	ILCA	chr17	ILCA
ENSG00000204267.12	-1.3103288	4.4937645	8.32E-06	4.10E-05	3.92	4.49	2.34	2.17	TAP2	chr16	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
ENSG00000143971.7	2.7662454	0.4625419	5.44E-11	5.62E-10	0.02	0.14	0.52	0.89	ETAA1	chr16	Ewing tumor-associated antigen 1
ENSG00000186988.10	-2.0023208	2.6349824	2.54E-10	2.05E-09	7.89	2.23	0.37	1.07	SLC1A1	chr16	solute carrier family 1 (neurotransmitter high affinity glutamate transporter, system Xag), member 1
ENSG00000112406.4	2.2187897	0.8002555	6.43E-09	5.98E-08	0.06	0.11	0.42	0.62	HECA	chr16	headcase homolog (Drosophila)
ENSG00000181061.12	1.1760159	2.1862011	4.22E-08	2.96E-07	0.96	1.1	1.46	5.51	HGGD1A	chr16	HGGD1A hypoxia inducible domain family, member 1A
ENSG00000163960.10	1.4673065	3.8494361	1.23E-06	7.29E-06	0.4	0.03	0.19	1.84	LROR7	chr16	LROR domain family 7
ENSG00000176043.16	4.4579597	1.0266448	4.03E-16	7.08E-15	0.01	0.01	0.2	0.24	KCNQ2C	chr16	potassium channel, voltage gated KQT-like subfamily Q, member 2
ENSG00000250222.1	-1.0599696	0.4871238	0.0047011	0.0123971	3.3	1.8	2.97	1.57	CTC-388M1.1	chr20	CTC-388M1.1
ENSG00000194612.18	-1.2484651	4.185	5.42E-12	5.42E-12	15.11	171.97	86.5	50.58	NOP1B	chr19	NOP1B nucleolar protein
ENSG0000027847.1	2.3904248	-2.0719026	0.0061421	0.0167695	0	0.05	0.14	0.23	RP11-891J7 --	chr19	TEC
ENSG00000245701.1	-1.9071019	-1.0544949	2.44E-13	3.25E-12	0.79	1.38	0	0	RP11-369H4	chr19	TEC
ENSG00000170161.6	1.1073164	1.5507528	0.0084567	0.0028309	0.56	0.59	1.46	1.84	RP11-262H1 --	chr19	lincRNA
ENSG00000174689.10	-2.8569627	3.2882927	7.72E-19	1.70E-17	5.4	4.81	1.04	0.84	SLC29A2	chr19	solute carrier family 29 (equilibrative nucleoside transporter), member 2
ENSG00000148197.16	-1.5491933	4.8936602	1.59E-07	0.0030E-06	0.26	0.4	1.57	1.75	ARR8	chr19	mitochondrial ribosome recycling factor
ENSG00000259804.1	2.24612679	-1.2351597	0.0001323	0.00051985	0.12	0.09	0.86	0.55	CTD-201K1 --	chr19	antense
ENSG00000138104.1	1.72697617	3.0878252	2.41E-08	1.75E-07	0.86	1.54	3.62	7	CEP55	chr19	centrosomal protein 59kDa
ENSG00000187113.13	1.6581929	2.9136311	3.61E-11	3.88E-10	1.29	1.82	0.59	0.63	HLH29	chr19	leish-helix family member 29
ENSG00000188510.8	2.67134597	2.12563759	4.66E-15	7.49E-14	0.07	0.12	0.73	0.89	MED13	chr19	mediator complex subunit 13
ENSG0000024498.9	1.1927515	0.6136336	0.0012544	0.0035038	0.36	0.65	ARHGGEF33	Rho	Guanine nucleotide exchange factor (GEF) 33	chr19	protein_coding
ENSG0000027947.12	-6.256652	8.09336	6.20E-05	0.00025102	13.17	12.26	7.81	8.81	BAGL1	chr19	lysophospholipase 14, calcium-dependent, polypeptide 7
ENSG00000195801.15	3.45329856	0.1843935	6.00E-13	7.70E-12	0.05	0.01	0.26	0.7	ZNF195	chr19	zinc finger protein 195
ENSG00000188918.12	-2.8489851	2.8489851	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr19	antisense intron beta 14, calcium-dependent, polypeptide 7
ENSG00000181722.14	-2.9680882	-2.4472329	0.0011221	0.0036442	0.05	0.04	0.00	0.01	ZBTB20	chr19	zinc finger and BTB domain protein 20
ENSG00000208260.1	2.3826329	-0.971826	1.73E-06	8.03E-05	0.52	0.33	3.27	2.88	SCANNT1	chr19	SCAN1/ATXN7 antisense RNA 1
ENSG00000259131.1	2.0927191	-1.9618654	0.0000000	0.0000000	0.00	0.00	0.00	0.00	RP11-139H1	chr19	antisense intron 3
ENSG00000104092.19	1.2275101	2.2742643	9.29E-05	0.0003753	0.75	0.86	2.73	2.3	ZH38P1	chr22	SH3-domain binding protein 1
ENSG00000139622.14	1.3317674	0.5244543	0.0004005	0.00155496	0.09	0.29	0.36	0.88	STRK2	chrX	serine/threonine protein kinase 26
ENSG00000149636.12	-1.3451987	2.633424	6.18E-22	2.52E-20	2.61	4.61	0.1	0.1	THY1	chrX	Thy-1 cell surface antigen
ENSG00000088843.13	6.15339267	-1.7863963	1.35E-07	8.87E-07	0	0	0.01	0.1	IGSF9B	chr11	immunoglobulin superfamily, member 9B
ENSG00000168824.3	3.7043917	-1.5596214	5.39E-06	1.75E-05	0.01	0.01	0.11	0.14	CASZ4E	chr11	casein kinase 4
ENSG00000185918.8	6.439448	5.4364219	8.66E-06	0.00031797	0.6	0.64	0.91	8.84	SP1	chr11	Sp1 transcription factor
ENSG00000258932.2	2.3042305	-1.289741	0.01384632	0.0349894	0.08	0	0.06	0.47	CTD-305D2 --	chr14	antisense intron 2
ENSG0000015374.13	1.243918	1.243918	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr14	antisense intron 2
ENSG0000017847.18	7.62523629	-1.1215563	9.11E-12	1.09E-10	0	0	0.07	0.23	LINC00886	chr14	lincRNA
ENSG00000179314.12	4.3084975	-1.7933077	2.62E-06	1.42E-05	0	0	0.07	0.08	WSDC1	chr17	WSD domain containing 1
ENSG0000069188.15	1.4602135	2.6341923	0.00045	0.00282742	0.02	0.02	0.24	0.61	CKAP2	chr17	scalloped activator protein 2
ENSG00000189501.12	1.42528617	5.7447162	1.01E-06	5.83E-06	6.27	9.82	2.57	2.85	WFS1	chr17	Wolfram syndrome 1 (wolfram)
ENSG00000157110.14	-2.3691215	4.6845324	7.03E-15	1.11E-13	6.74	7.47	1.87	1.87	RBPMS	chr17	RNA binding protein with multiple splicing
ENSG00000169822.13	6.4440415	6.4440415	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr17	antisense intron 2
ENSG00000269693.1	-1.5282059	1.48321202	4.76E-06	2.46E-05	2	2.74	1.11	1.08	CTB-171A8.1 --	chr19	antisense
ENSG00000108210.2	2.30034672	-0.3131664	2.19E-06	1.20E-05	0.02	0.1	0.15	0.15	PRKCB	chr19	phosphatidylinositol-3-kinase type 2 beta
ENSG00000230424.2	-1.4269185	2.9136311	3.61E-11	3.88E-10	1.29	1.82	0.59	0.63	ZBTB22	chr19	zinc finger and BTB domain containing 22
ENSG00000175482.7	-1.4269185	5.1570666	1.08E-06	6.15E-06	24.1	18.79	11.69	9.58	POLDA	chr19	polymath (DNA-directed), delta 4, accessory subunit
ENSG0000015437.8	1.61077	1.45448	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr19	antisense intron 2
ENSG00000269534.2	2.8747454	-2.7426684	0.0161562	0.0399166	0	0.04	0.15	0.35	AC003002.6	chr19	antisense intron 2
ENSG00000146426.16	-3.5356717	-0.6257216	1.89E-10	1.81E-09	0.07	0.17	0.01	0.01	TAM2	chr19	T-cell lymphoma invasion and metastasis 2
ENSG00000164651.12	1.4897722	1.4897722	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr19	antisense intron 2
ENSG00000143944.14	1.69982226	-1.4476937	0.0049703	0.0139196	0.01	0.03	0.02	0.12	VASH2	chr19	VASH2
ENSG00000130762.13	-1.4395201	6.9278011	1.76E-07	4.32E-06	29.21	29.23	13.86	14.87	ARHGGEF16	chr19	Rho guanine nucleotide exchange factor (GEF) 16
ENSG00000164536.14	1.8182327	1.8182327	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr19	antisense intron 2
ENSG00000151090.16	1.7937956	1.6679748	9.32E-08	6.27E-07	0.13	0.14	0.58	0.67	TRBB	chr19	thyroid hormone receptor, beta
ENSG00000108024.17	2.8826515	6.1885137	3.29E-21	8.73E-20	12.32	15.71	99.34	177.92	HSP90AA1	chr19	heat shock protein 90kDa class A (cytosolic), class A member 1
ENSG00000259498.1	1.934943	0.4482372	0.0020207	0.0031892	0.29	0.39	0.09	0.09	AC009801.1	chr19	antisense intron 2
ENSG0000010227.17	2.2343561	3.9823856	3.54E-13	4.65E-12	1.83	1.55	10.71	10.56	LMF1	chr19	lipase maturation factor 1
ENSG00000101752.10	2.8740765	1.4898878	7.56E-15	1.45E-13	0.03	0.08	0.51	0.57	MBD1	chr19	meprin domain E3 ubiquitin protein ligase 1
ENSG0000015257.14	1.824707	1.824707	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr19	antisense intron 2
ENSG00000304533.10	1.8955108	1.0775982	1.45E-07	9.50E-07	0.19	0.32	1.26	1.24	ASTL1	chr19	astroselin homolog (Drosophila)
ENSG00000119939.11	1.248707	1.248707	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr19	antisense intron 2
ENSG00000164828.16	-1.2911768	6.7606888	8.07E-06	4.00E-05	25.92	26.97	11.85	17.08	SUN1	chr19	Sun1 and UNC94 domain containing 1
ENSG00000207902.7	8.8893782	-0.0895793	2.39E-20	5.90E-19	0	0.341	21.79	SNORD41	chr19	small nucleolar RNA, C/D box 41	
ENSG0000020403.7	1.3271814	1.3271814	0.0000000	0.0000000	0.00	0.00	0.00	0.00	AC009801.1	chr19	antisense intron 2
ENSG00000259793.1	-5.52329	-2.86269	0.0018808	0.0049521	0.06	0.06	0	0	RP11-400N9 --	chr19	antisense
ENSG00000088513.3	-4.371247	7.32176148	7.50E-41	6.04E-39	35.06	35.2	2.96	1.95	STGAL1	chr19	STG beta-galactosidase alpha-2,3-sialyltransferase 1
ENSG00000182223.7	1.0011553	2.5888148	0.0011553	0.0011871	0.01	0.01	0.01	0.04	ACTB	chr19	actin, beta
ENSG00000265303.1	1.5288338	0.5289452	6.81E-05	0.00028389	1.01	1.02	2.91	3.91	CTD-2510F5 --	chr17	antisense
ENSG00000162086.13	2.0351157	2.2382249	5.73E-10	5.18E-09	0.42	0.36	1.18	2.51	ZNF194	chr16	zinc finger protein 194
ENSG00000187592.12	-1.0171772	1.9922861	1.00E-06	1.21E-05	0.64	0.64	0.64	0.64	CTD-2510F5 --	chr16	antisense intron 2
ENSG00000200153.1	2.79456599	-2.0299401	0.0017489	0.00541921	0.02	0	0.11				

ENSG00000149970.13	6.1603826	-2.2802665	2.70E-05	0.00012094	0	0	0.07	CNCR2	connector enhancer of kinase suppressor of Ras 2	chrX	protein_coding		
ENSG00000152463.1	2.6233565	-0.510717	8.25E-06	0.00012094	0.36	0.01	2.49	RP11-261D10	2.49	chr4	antisense		
ENSG00000178177.13	2.17912678	-0.507137	8.25E-06	0.00012094	0.02	0.01	0.07	LCORL	ligand dependent nuclear receptor corepressor-like	chr4	protein_coding		
ENSG00000170367.14	4.2799496	1.1661876	5.60E-22	1.57E-20	0.01	0.02	0.17	EXOC5	exocyst complex component 5	chr14	protein_coding		
ENSG0000010194.10	1.695967	-0.004258	0.00023117	0.0040332	67.67	0.06	0.15	CCDC38	coiled-coil domain containing 86	chr16	protein_coding		
ENSG00000239655.5	-4.685302	-0.328172	1.76E-15	2.94E-14	1.2	1.11	0.06	RP11-462L.8	--	chr10	lincRNA		
ENSG00000254025.2	-1.74301	-0.452226	5.82E-05	0.00024531	0.34	0.42	0.01	RP11-875O1.1	--	chr8	antisense		
ENSG00000175512.1	2.2044949	-2.1039184	0.00024558	0.00242959	0.15	0.12	0.01	RP11-322E11	--	chr18	antisense		
ENSG00000105948.12	1.1930932	1.8875736	0.0002558	0.00084533	0.33	0.43	0.98	135	TTC26	tetratricopeptide repeat domain 26	chr7	protein_coding	
ENSG00000149694.9	2.6879408	2.6769444	4.66E-16	8.14E-15	0.29	0.31	0.23	CTD5	cathelin 5	chr9	protein_coding		
ENSG0000025639.14	-0.555454	0.0079446	0.0004362	0.0004362	0.15	0.15	0.01	SRM6A4G	serma domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G	chr16	protein_coding		
ENSG00000140966.7	5.9746296	-2.414921	8.36E-05	0.00034062	0	0	0.16	0.07	RP1L3L	ribosomal protein L3L	chr10	protein_coding	
ENSG0000017081.4	2.403295	3.8549428	1.11E-14	4.75E-13	0.45	1.59	6.61	1276	NUCB2	nucleolin 2	chr19	protein_coding	
ENSG00000156999.15	1.2462756	6.4762941	5.26E-24	1.68E-22	5.8	5.85	73.47	61.61	LSR	lysokinin stimulated lipoprotein receptor	chr19	lincRNA	
ENSG00000238884.1	3.0634359	-2.0291067	0.0002605	0.00096939	0.03	0	0.14	0.18	RP11-705O1.1	--	chr18	lincRNA	
ENSG00000103070.9	-2.269866	8.8714229	1.51E-13	2.05E-12	0.08	0.08	0.99	127.61	14	aristolochin protein 2 (colonic epithelium-enriched)	chrX	protein_coding	
ENSG00000160165.5	-3.021605	5.4639348	2.31E-22	6.64E-21	12.01	13.98	1.23	2.33	AR22	arabynin repeat and BTB (POZ) domain containing 2	chr11	protein_coding	
ENSG0000017448.12	1.0729445	7.5384056	0.00019183	0.00072649	77.73	79.98	22.5	219.19	GSTK1	glutathione S-transferase kappa 1	chr17	protein_coding	
ENSG00000169007.7	8.564685	-2.3292013	8.95E-06	4.39E-05	0.18	0.15	0	0	TEXT4	text 4	chr2	protein_coding	
ENSG00000169975.15	2.9004778	1.6541808	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	
ENSG00000198979.8	8.3869675	5.1166306	7.09E-79	4.43E-76	0.03	0.06	18.52	19.96	AAIA1211L	AAIA1211-like	chr2	protein_coding	
ENSG00000147677.9	-1.051741	5.1178719	0.00026318	0.00029747	13.69	13.13	0.07	11.69	EF3P1	eukaryotic translation initiation factor 3, subunit H	chr2	protein_coding	
ENSG00000181001.14	-2.101784	2.0484922	1.82E-10	1.76E-09	1.81	1.87	0.63	0.52	RPH3AL	ribophelin 3A-like (without CD2 domains)	chr17	protein_coding	
ENSG00000144303.13	1.15183742	0.7407159	0.00148003	0.00485299	1	0.71	1.38	4	TRNB3	TRF3SR binding protein	chr17	protein_coding	
ENSG0000023930.3	2.9229395	-2.1071891	0.000189871	0.04519567	0	0	0.07	0.01	KRTAP5-AS1	KRTAP5-AS1	chr11	protein_coding	
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	chr11	protein_coding	
ENSG0000023835.4	-3.3212981	-2.7885307	0.00043894	0.002469953	0.34	0.09	0	0.04	LPH1-AS1	LPH1 antisense RNA 1 (head to head)	chr12	antisense	
ENSG00000169184.5	-5.069216	4.4442009	5.39E-46	5.96E-44	4.43	4.64	0.16	0.22	MNI1	meninoma (disrupted in balanced translocation) 1	chr22	protein_coding	
ENSG00000132485.11	1.0217123	3.2955129	0.00066865	0.00228173	1.47	1.83	2.93	6.06	ZRANB2	zinc finger, RAN-binding domain containing 2	chr14	protein_coding	
ENSG00000100228.11	3.0149804	1.0605492	1.51E-13	2.05E-12	0.08	0.08	0.99	127.61	14	RASGEF3	RASGEF3 member RAS oncogene family	chr17	protein_coding
ENSG0000016705.10	2.1209229	4.4389075	2.54E-12	3.06E-11	3.44	3.84	21.67	21.07	RILP	Rab interacting lysosomal protein	chr17	protein_coding	
ENSG00000157124.12	3.6606747	-1.59144	8.20E-06	4.05E-05	0	0.01	0.06	0.08	STEAP2	STEAP family member 2, metalloendopeptidase	chr7	protein_coding	
ENSG00000172765.5	7.487183	1.3207392	4.48E-10	4.11E-09	0.02	0.13	0.57	0.87	HRASL5	HRAS-like suppressor	chr18	protein_coding	
ENSG00000049111.11	1.2300352	4.7493872	2.92E-05	0.00013027	7.07	10.18	20.64	33.49	DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	chr20	protein_coding	
ENSG00000236301.1	5.2726116	0.0001959	0.00295932	0.00656312	0.2	0.46	0.11	0.11	156R2	--	chr16	antisense	
ENSG00000250514.1	5.5293893	2.1040594	2.14E-35	1.29E-33	0.01	0.08	0.26	2.79	UGT1A4L	UDP glucuronosyltransferase 1 family, polypeptide A4	chr16	protein_coding	
ENSG00000132964.10	1.8509613	0.4388633	2.82E-06	1.52E-05	0.06	0.23	0.47	0.93	CD6B	cydin-dependent kinase 6	chr13	protein_coding	
ENSG00000141939.7	2.8153781	0.7407159	0.00148003	0.00485299	1	0.71	1.38	4	TRNB3	TRF3SR binding protein	chr17	protein_coding	
ENSG00000119865.7	1.9779773	1.8475345	3.72E-10	3.46E-09	0.68	0.65	3.07	3.92	CNRP1	carbamoyl receptor interacting protein 1	chr16	protein_coding	
ENSG00000238486.6	-3.0297997	-0.1477475	5.21E-11	5.39E-10	0.78	1.07	0.12	0.18	SERPINC9P1	serpin peptidase inhibitor, date B (ovaburnin), member 9, pseudogene 1	chr6	lincRNA	
ENSG0000018168.13	1.17315031	2.4050125	5.56E-08	3.86E-07	0.36	0.29	1.31	1.59	FBK04S	FBK protein 45	chr4	protein_coding	
ENSG00000103990.9	-3.7020023	1.5762407	3.72E-22	1.05E-20	3.18	4.29	0.37	3.93	PBCD1	polysaccharide biosynthesis domain containing 1	chr4	protein_coding	
ENSG00000195125.15	-1.2609946	6.3309007	1.33E-05	6.31E-05	19.39	17.1	1.07	9.49	FLVCH1	FLVCH-type zinc finger 1	chr16	protein_coding	
ENSG0000033944.9	1.1434566	0.8714229	1.00013441	0.000730789	0.45	0.38	1.02	0.85	ZNF394	zinc finger protein 394	chr16	protein_coding	
ENSG00000237017.1	2.60022538	-1.5342871	0.0019793	0.00556364	0	0.2	1	0.72	RP3-5081S15.1	--	chr22	antisense	
ENSG00000174013.7	1.7315031	2.4050125	5.56E-08	3.86E-07	0.36	0.29	1.31	1.59	FBK04S	FBK protein 45	chr4	protein_coding	
ENSG00000151936.12	1.0420326	1.0420326	1.0420326	1.0420326	0.19	0.19	0.67	0.19	GLUF1	GLUF1 protein homolog (S. cerevisiae)	chr17	protein_coding	
ENSG00000198855.5	2.1275706	1.84338902	1.60E-10	1.55E-09	0.18	0.36	1.46	1.17	PFCD	PFCD domain containing 1	chr17	protein_coding	
ENSG000001405.15	4.7895121	0.8152262	7.45E-18	1.51E-16	0.21	0.21	0.21	0.21	KZC3	KAROS family zinc finger 3 (Acolis)	chr11	protein_coding	
ENSG00000254025.2	3.2324422	-0.1413389	1.39E-10	1.37E-09	0.04	0.05	0.48	0.65	AP000662.4	--	chr12	antisense	
ENSG0000011485.13	-1.1666437	8.718662	5.02E-05	0.00021433	23.54	21.621	136.63	130.03	PP5CC	protein phosphatase 5, catalytic subunit	chr19	protein_coding	
ENSG00000269404.4	1.8251107	2.6882828	1.81E-11	6.07E-09	8.12	8.12	0.22	62	CTD-2521M.1	--	chr19	lincRNA	
ENSG00000138997.13	-3.2801382	7.2084819	4.44E-26	1.64E-24	71.89	72.84	9.48	10.39	MYC	v-myc avian myelocytomatous viral oncogene homolog	chr8	protein_coding	
ENSG00000256885.5	-7.4624228	-1.4457573	1.84E-10	1.77E-09	0.24	0.22	0	0	ZNF590	zinc finger protein 590	chr19	protein_coding	
ENSG0000017975.12	1.4151939	1.4151939	1.4151939	1.4151939	0.13	0.13	0.13	75.39	ATAD3A	ATAD3A domain containing 3A	chr15	protein_coding	
ENSG00000140497.15	1.2327372	5.2237939	2.30E-05	0.00010461	6.92	7.78	2.492	20.98	SCAMP2	secretory carrier membrane protein 2	chr15	protein_coding	
ENSG00000172765.5	3.8712652	-1.1345979	8.40E-05	0.00034515	0	0.02	0.2	0.17	TARBP2	TAR DNA binding protein	chr6	protein_coding	
ENSG00000239301.1	5.2726116	0.0001959	0.00295932	0.00656312	0.2	0.46	0.11	0.11	156R2	--	chr16	antisense	
ENSG00000252423.1	6.6682802	-1.9087382	6.25E-07	3.72E-06	0	0	0.23	0.26	EBLN2	long interspersed non-protein coding RNA 602	chr1	protein_coding	
ENSG00000134528.18	1.6259809	5.2301028	0.00013441	0.000730789	0.45	0.38	1.02	0.85	ZNF394	zinc finger protein 394	chr16	protein_coding	
ENSG0000059673.14	1.1953014	4.71105222	4.36E-05	0.00018907	1.29	1.174	4.36	4.89	ZC3H11A	zinc finger CCHC-type containing 11A	chr1	protein_coding	
ENSG00000239663.2	7.348517	-1.5431527	7.09E-10	6.28E-09	0.07	0.07	0	0	CTD-2314G2.1	--	chr15	antisense	
ENSG00000137098.12	-2.5438169	-2.5438169	-2.5438169	-2.5438169	0.45	0.45	0.45	0.45	SPAG8	serm associated antigen 8	chr15	protein_coding	
ENSG00000167786.17	2.23417531	1.8584718	5.72E-11	5.69E-10	0.09	0.22	0.54	1.38	ZNF83	zinc finger protein 83	chr19	protein_coding	
ENSG00000273486.1	4.1448417	-1.9148203	1.13E-05	5.42E-05	0.02	0	0.15	0.01	RP11-731C1.1	--	chr19	antisense	
ENSG00000254025.2	3.2324422	-0.1413389	1.39E-10	1.37E-09	0.04	0.05	0.48	0.65	AP000662.4	--	chr12	antisense	
ENSG00000195125.15	-1.2609946	6.3309007	1.33E-05	6.31E-05	19.39	17.1	1.07	9.49	FLVCH1	FLVCH-type zinc finger 1	chr16	protein_coding	
ENSG0000033944.9	1.1434566	0.8714229	1.00013441	0.000730789	0.45	0.38	1.02	0.85	ZNF394	zinc finger protein 394	chr16	protein_coding	
ENSG00000237017.1	2.60022538	-1.5342871	0.0019793	0.00556364	0	0.2	1	0.72	RP3-5081S15.1	--	chr22	antisense	
ENSG00000174013.7	1.7315031	2.4050125	5.56E-08	3.86E-07	0.36	0.29	1.31	1.59	FBK04S	FBK protein 45	chr4	protein_coding	
ENSG00000151936.12	1.0420326	1.0420326	1.0420326	1.0420326	0.19	0.19	0.67	0.19	GLUF1	GLUF1 protein homolog (S. cerevisiae)	chr17	protein_coding	
ENSG00000198855.5	2.1275706	1.84338902	1.60E-10	1.55E-09	0.18	0.36	1.46	1.17	PFCD	PFCD domain containing 1	chr17	protein_coding	
ENSG000001405.15	4.7895121	0.8152262	7.45E-18	1.51E-16	0.21	0.21	0.21	0.21	KZC3	KAROS family zinc finger 3 (Acolis)	chr11	protein_coding	
ENSG00000254025.2	3.2324422	-0.1413389	1.39E-10	1.37E-09	0.04	0.05	0.48	0.65	AP000662.4	--	chr12	antisense	
ENSG0000011485.13	-1.1666437	8.718662	5.02E-05	0.00021433	23.54	21.621	136.63	130.03	PP5CC	protein phosphatase 5, catalytic subunit	chr19	protein_coding	
ENSG00000269404.4	1.8251107	2.6882828	1.81E-11	6.07E-09	8.12	8.12	0.22	62	CTD-2521M.1	--	chr19	lincRNA	
ENSG00000138997.13	-3.2801382	7.2084819	4.44E-26	1.64E-24	71.89	72.84	9.48	10.39	MYC	v-myc avian myelocytomatous viral oncogene homolog	chr8	protein_coding	
ENSG00000256885.5	-7.4624228	-1.4457573	1.84E-10	1.77E-09	0.24	0.22	0	0	ZNF590	zinc finger protein 590	chr19	protein_coding	
ENSG0000017975.12	1.4151939	1.4151939	1.4151939	1.4151939	0.13	0.13	0.13	75.39	ATAD3A	ATAD3A domain containing 3A	chr15	protein_coding	
ENSG00000140497.15	1.2327372	5.2237939	2.30E-05	0.00010461	6.92	7.78	2.492	20.98	SCAMP2	secretory carrier membrane protein 2	chr15	protein_coding	
ENSG00000172765.5	3.8712652	-1.1345979	8.40E-05	0.00034515	0	0.02	0.2	0.17					

ENSG00000700710	-1.065469	7.51256626	0.00021003	0.00079194	10.157	88.23	61.1	59.78	TRIP6	thyroid hormone receptor interactor 6	chr7	protein_coding
ENSG0000250821	8.34713	0.00000000	0.00000000	0.00000000	0.0	0.0	0.0	0.0	CTD 202A21	CTD 202A21	chr7	mRNA
ENSG00002575831	5.46945885	-2.7387023	0.00015808	0.0049521	0	0	1.07	0.91	FP236383.5	--	chr21	lncRNA
ENSG00001888714	-5.6784839	1.6222789	8.97E-30	4.10E-28	1.59	1.97	0.06	0.03	MIP2	myelin protein zero	chr18	protein_coding
ENSG00002698711	-2.141388	2.274483	0.00000000	0.00000000	0.0	0.0	0.0	0.0	RP11-211G2	--	chr18	lncRNA
ENSG00002649641	5.4569707	-2.141388	0.00180808	0.0049521	0	0	0.34	0.41	RP11-888D1	--	chr18	lncRNA
ENSG00001830219	2.1552047	2.7039542	1.70E-11	1.98E-10	0.36	0.25	1.72	2.51	PFM18	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent, 1B	chr5	protein_coding
ENSG00002513651	2.9554607	-2.0719498	0.00000000	0.00000000	0.0	0.0	0.0	0.0	RP11-332115	--	chr2	lncRNA
ENSG00001642514	1.86451	1.8736657	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
ENSG00001593815	1.4792567	2.5581339	2.32E-06	1.27E-05	0.42	0.28	0.93	1.69	HCS21	ADAM metalloproteinase 22	chr7	protein_coding
ENSG00002179818	3.2549896	-4.5285767	7.48E-07	6.02E-08	1.57	1.47	0.00	1.78	CAUD1	caldesmon	chr1	protein_coding
ENSG00000877013	2.5762952	0.96367071	2.46E-11	2.63E-10	0.04	0.04	0.22	0.4	ADAM22	ADAM metalloproteinase 22	chr7	protein_coding
ENSG00001314112	4.7922562	-0.8642189	7.48E-07	6.02E-08	1.57	1.47	0.00	1.78	CTCFB	chromatin containing TCF1 subunit 6B (beta 2)	chr17	protein_coding
ENSG00002219092	1.9918317	-0.6466058	6.23E-05	0.00202157	0.08	0.07	0.12	0.65	FAM200A	family with sequence similarity 200, member A	chr7	protein_coding
ENSG00002722711	6.0134248	-2.373212	8.36E-05	0.0034052	0.0	0.0	0.32	0.55	XOac-BP1	--	chr7	lncRNA
ENSG00002150188	3.0011668	-2.8222499	0.0043895	0.00249931	0.01	0.0	0.03	0.05	CC239A1	collagen, type XXVIII, alpha 1	chr7	protein_coding
ENSG00002659671	-5.373392	-2.9472019	0.0029522	0.0086312	0.29	0.15	0.0	0.0	AC10380.4	--	chr15	antisense
ENSG000014834610	-3.099371	2.4231572	1.11E-19	2.60E-18	5.83	9.4	1.2	1.12	LCN2	lipocalin 2	chr9	protein_coding
ENSG00001666318	1.9478975	5.7276074	1.69E-06	9.45E-06	1.9	2.1	7.8	6.14	NAN2	neuronal arrestar 2	chr7	protein_coding
ENSG00001049710	-1.084849	4.6802631	0.0001986	0.0007908	15.74	18.1	11.38	10.09	SNAPC2	small nuclear RNA activator complex, colinear 2, 45kDa	chr19	protein_coding
ENSG00001157015	3.0343521	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	chr12	protein_coding
ENSG00001844414	1.9889905	5.1111022	1.70E-09	6.06E-08	20.1	20.12	9.08	8.24	IF6	interferon, alpha-inducible protein 6	chr1	protein_coding
ENSG00001437513	3.2549896	-4.5285767	7.48E-07	6.02E-08	1.57	1.47	0.00	1.78	CGN	condensin	chr1	protein_coding
ENSG00001219648	2.4017484	1.916427	9.01E-11	8.0E-10	0.03	0.15	0.03	0.52	ZNF639	zinc finger protein 639	chr1	protein_coding
ENSG000002769711	1.2723211	2.88729426	3.21E-05	0.00142028	1.45	1.79	3.5	6.99	FNCR1	interferon gamma receptor 1	chr1	protein_coding
ENSG00001163415	2.808275	4.0381237	5.67E-19	1.27E-18	0.21	0.16	2.32	3.67	PTP	protein tyrosine phosphatase, non-receptor type 2	chr17	protein_coding
ENSG00001533017	1.0232189	3.4823201	0.0057664	0.00196697	1.17	1.52	2.66	4.69	FAM49B	family with sequence similarity 49, member B	chr7	protein_coding
ENSG00000807121	-1.0717759	3.8739167	0.00017905	0.00068195	12.99	11.85	7.21	8.17	DUSP12	dual specificity phosphatase 12	chr1	protein_coding
ENSG00002238016	4.0328946	0.0189869	4.62E-14	6.87E-13	0.4	0.0	0.93	0.23	AC089871.1	--	chr1	lncRNA
ENSG00001521313	2.7668072	1.6079293	1.72E-14	2.61E-13	0.14	0.17	0.91	1.93	GATC411	G patch domain containing 11	chr2	protein_coding
ENSG00002347911	-2.085539	-1.896988	0.00037109	0.00892022	0.18	0.48	0.07	0.1	AG009056.6	--	chr21	antisense
ENSG00001127428	4.8392929	0.2892716	6.1E-09	4.73E-08	0.04	0.06	0.36	0.82	TKF	TKF protein kinase	chr6	protein_coding
ENSG00001879014	-1.0565021	1.60321249	1.14E-41	9.44E-40	0.69	0.53	0.0	0.0	DMBT1	deleted in malignant brain tumors 1	chr21	protein_coding
ENSG00001744814	1.7758456	0.1352087	7.85E-06	3.31E-05	0.24	0.15	0.07	0.0	CFE2	cytoplasmic polyadenylation element binding protein 2	chr12	protein_coding
ENSG00001039612	1.6941745	1.913879	2.03E-08	1.49E-07	0.58	0.83	2.33	3.75	ATP2B1	ATPase, Ca ²⁺ transporting, plasma membrane 1	chr12	protein_coding
ENSG00001329510	2.2193899	0.21179251	1.95E-07	1.28E-06	0.04	0.08	0.04	0.42	USP11	ubiquitin specific peptidase like 1	chr13	protein_coding
ENSG0000121318	-1.942921	1.9231919	0.00000000	0.00000000	0.0	0.0	0.0	0.0	EVAD	EYA transcriptional coactivator and phosphatase 4	chr1	protein_coding
ENSG00001332813	-5.96405	-1.3272891	0.54E-10	4.95E-09	1.01	0.53	0.04	0.0	HRASL2	HRAS-like suppressor 2	chr11	protein_coding
ENSG00001199072	1.2943869	1.0259637	0.00025485	0.0009387	0.07	0.15	0.23	0.48	OGFR1	orphan growth factor receptor-like 1	chr1	protein_coding
ENSG00001987306	1.9327394	0.2892716	6.1E-09	4.73E-08	0.04	0.06	0.36	0.82	CFR3	CTD8 RNA polymerase II complex component	chr11	protein_coding
ENSG00001174115	-1.9680375	5.88949479	2.93E-11	3.11E-10	27.28	24.54	8.92	8.73	BGAL21	UDP-Galactose 4-epimerase 2, 14-kDa galactosyltransferase, polypeptide 2	chr1	protein_coding
ENSG00000943114	3.0209163	1.04439251	2.04E-14	3.07E-13	0.02	0.04	0.26	0.4	REVL	REV3-like, polycomb DNA (H3K27me3), zeta, catalytic subunit	chr6	protein_coding
ENSG00001376310	1.1276181	4.3198831	0.00000000	0.00000000	0.0	0.0	0.0	0.0	CC2	gamma-glutamyl kinase (conjugase, folylpolyglutamylarginyl hydrolase)	chr6	protein_coding
ENSG00002626527	1.8712673	0.31664394	5.40E-06	2.75E-05	0.16	0.11	0.31	0.96	RP5-108F1.1	--	chr19	lncRNA
ENSG00002219949	1.6549446	0.1066655	6.51E-05	0.00027249	0.16	0.11	0.31	0.85	ZNF630	zinc finger protein 630	chr1	protein_coding
ENSG00001563617	-1.3269879	1.9371181	2.73E-05	0.00018881	0.49	0.5	0.8	1.11	TNFAIP81	tumor necrosis factor, alpha-inducible, gamma	chr20	protein_coding
ENSG00000555139	7.5739263	-1.1764002	1.38E-11	1.53E-10	0.0	0.0	0.3	0.21	SOXB	SRY (sex determining region Y)-box 8	chr16	protein_coding
ENSG00002478322	5.2947813	-0.2892716	0.00000000	0.00000000	0.0	0.0	0.0	0.0	RP11-437A1	--	chr12	lncRNA
ENSG00001343810	8.49471319	1.9602138	5.66E-43	5.10E-41	0.0	0.01	1.44	2.71	CPMK2	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	chr2	protein_coding
ENSG00001849644	3.1063973	1.27814881	1.27E-15	2.15E-14	0.02	0.06	0.3	0.7	FBXO30	F-box protein 30	chr1	protein_coding
ENSG00002022117	4.3703868	1.8786522	6.84E-07	2.54E-06	0.25	0.16	0.82	6.31	ARHGAP4	ATP-binding cassette domain 4A (RBP1)-like 1	chr14	protein_coding
ENSG000020438711	-1.2123694	5.16738124	1.40E-12	1.73E-11	29.3	23.18	7.45	8.65	C6orf48	chromosome 6 open reading frame 48	chr6	protein_coding
ENSG00001979789	4.1201672	-1.2269365	9.32E-08	6.27E-07	0.03	0.0	0.12	0.59	GOLGA9B	golgin 9B family protein 9	chr15	protein_coding
ENSG00001244715	1.7194601	0.2892716	6.1E-09	4.73E-08	0.04	0.06	0.36	0.82	SLC12A4	SCL12 family protein 2 (potassium/chloride transporter), member 4	chr16	protein_coding
ENSG00001679815	1.7892167	-0.1145621	3.43E-05	0.00015114	0.06	0.05	0.02	0.39	ZNF597	zinc finger protein 597	chr16	protein_coding
ENSG00001864819	-3.3494462	6.4503991	7.07E-27	2.77E-25	36.63	33.19	4.5	4.5	TRIM18	tripartite motif containing 18	chr17	protein_coding
ENSG00001302219	1.8744029	0.2892716	6.1E-09	4.73E-08	0.04	0.06	0.36	0.82	CC2DG5	growth arrest DNA-damage-inducible, gamma	chr1	protein_coding
ENSG00001675215	-2.3541873	5.88227906	4.28E-15	6.87E-14	29.04	24.27	6.97	6.97	STK32C	serine/threonine kinase 32C	chr10	protein_coding
ENSG00002268012	1.9492663	-2.8222499	0.00000000	0.00000000	0.0	0.0	0.0	0.0	AC028928.2	--	chr19	lncRNA
ENSG00002246612	1.25301579	5.8767956	1.58E-05	7.41E-05	4.83	5.42	14.91	17.69	OSGOL	exosome component 6	chr19	protein_coding
ENSG00001249922	-1.300937	6.9349614	6.91E-06	3.46E-05	79.38	78.89	47.03	6.87	SH3BPGL3	SH3 domain binding glutamate-rich protein like 3	chr1	protein_coding
ENSG000017620415	1.9260003	0.2892716	6.1E-09	4.73E-08	0.04	0.06	0.36	0.82	SH3BPGL3	SH3 domain binding glutamate-rich protein like 3	chr1	protein_coding
ENSG0000237813	-3.447977	-2.711395	0.00521296	0.0152223	0.44	0.0	0.05	0.0	RP11-544A.2	--	chr13	antisense
ENSG00001729517	2.4176245	0.2348715	1.30E-08	9.76E-08	0.03	0.02	0.17	0.17	NBEA	neurubin	chr13	protein_coding
ENSG00002177891	1.9842929	0.2892716	6.1E-09	4.73E-08	0.04	0.06	0.36	0.82	RP11-888D1	--	chr18	lncRNA
ENSG00001601888	1.9996494	-0.3798687	2.36E-05	0.00010694	0.07	0.24	1.12	0.55	RSFH1	radial spoke head 1 homolog (Chlamydomonas)	chr15	protein_coding
ENSG00002597381	2.8995356	-2.74404	0.00115662	0.00591066	0.0	0.03	0.2	0.14	CR1C3-AS1	CR1C3 antisense RNA 1	chr21	antisense
ENSG00001045710	4.9382929	0.2892716	6.1E-09	4.73E-08	0.04	0.06	0.36	0.82	NTM	netrin 1	chr1	protein_coding
ENSG00001389916	3.1165681	1.46594137	1.74E-16	3.16E-15	0.13	0.17	1.38	2.08	FASTKD1	FAST kinase domain 1	chr2	protein_coding
ENSG00002042318	3.7261405	5.1461678	1.27E-30	6.03E-29	1.55	1.68	27.46	29.47	CEAC1	transcription elongation factor A (SII), 3	chr1	protein_coding
ENSG00001446611	4.0240204	0.2892716	6.1E-09	4.73E-08	0.04	0.06	0.36	0.82	RP5-108F1.1	--	chr19	lncRNA
ENSG00002380081	3.2660881	-1.1284655	5.22E-07	3.15E-06	0.01	0.01	0.09	0.09	AC011474.4	--	chr2	lncRNA
ENSG00001071416	1.1276181	4.3198831	0.00000000	0.00000000	0.0	0.0	0.0	0.0	CNTNAP3	nectin associated protein-like 3	chr2	protein_coding
ENSG00001588116	2.78541349	0.78972652	4.15E-12	4.82E-11	0.02	0.09	0.55	0.45	EDA	ectodysplasin A	chr2	protein_coding
ENSG000009												

ENSG0000027157.1	-5377832	-2945107	00209532	00085632	0.09	0.73	0	0	HIST1H4D	histone cluster 1, H4d	chr6	protein_coding
ENSG00000108797.0	-5377832	-2945107	00209532	00085632	12	13.68	0	5.1	CDY1	condensin 1 subunit	chr17	protein_coding
ENSG00000122484.8	-5377832	-2945107	00209532	00085632	0.04	0.06	0.04	0.06	RPAP2	RNA polymerase II associated protein 2	chr17	protein_coding
ENSG00000252458.5	-5313646	731169298	5556	282E-05	143.45	136.08	78.49	117	N15C	5, 3'-nucleotidase, cytosolic	chr17	protein_coding
ENSG00000172402.12	-5313646	731169298	5556	282E-05	0.42	0.39	22	0.49	DYRK2L1	dysbindin 2, heparan sulfate chain 1	chr17	protein_coding
ENSG00000137087.12	-5313646	731169298	5556	282E-05	1.56	2.78	11	15.42	KRF23	kinase family member 23	chr15	protein_coding
ENSG00000186451.1	-2865798	-2508961	00109323	00084743	0.04	0.11	0	0.02	SPTA12	spermatogenesis associated 12	chr5	protein_coding
ENSG0000011734.16	-4899172	2848425	1.95E-05	6.44E-05	8.41	9.32	0	0.07	RNP18	BC12/adrenovirus E1B 19kDa interacting protein 1	chr2	protein_coding
ENSG00000115648.12	-4899172	2848425	1.95E-05	6.44E-05	2.21	1.94	0.02	0.11	MLPH	melanophilin	chr5	protein_coding
ENSG00000198723.9	-1609399	-1863355	00108329	00451957	0.02	0.08	0.08	0.08	C13orf45	chromosome 13 open reading frame 45	chr19	protein_coding
ENSG0000010268.14	-1397494	3173749	1.63E-05	1.84E-06	73.4	57.37	32.4	16.4	PRK2	pleckstrin (inositol-1-phosphate) linked mox1-X-type motif 1	chr3	protein_coding
ENSG0000020445.12	-11329414	7459247	8.37E-05	0.0034109	133.92	145.32	90.89	7.8	CNS28	casein kinase 2, beta open reading frame	chr6	protein_coding
ENSG0000014624.18	-1078949	3173749	1.63E-05	1.84E-06	0.02	0.24	1.14	0.03	RP11-218F11	pleckstrin homology-like domain, family B, member 2	chr3	protein_coding
ENSG0000027349.1	47270389	141721	0.0188973	0.0451957	0	0	0.21	0.03	RP11-218F11		chr3	protein_coding
ENSG0000010394.16	-1831104	6394423	4.76E-10	4.34E-09	19.99	15.55	6.46	6.67	WDR13	WD repeat domain 13	chr2	protein_coding
ENSG0000026951.1	3755454	-1874785	0.002536	0.0029422	0	0.02	0.06	0.15	RP11-370I10		chr2	protein_coding
ENSG000002765.1	53349325	-2818235	0.0029522	0.0085632	0	0	0.17	0.39	RP11-78A19		chr18	antisense
ENSG00000134108.11	165180345	27750211	1.16E-07	7.73E-07	0.8	0.95	2.87	4.5	ARL8B	ADP-ribosylation factor-like B8	chr3	protein_coding
ENSG0000020292.12	-13973429	3274077	5.97E-06	2.9E-06	4.54	3.93	2.4	2.08	FLEKOP1	pleckstrin homology domain containing, family O member 1	chr1	protein_coding
ENSG00000137841.10	-2638947	25803796	9.45E-16	1.61E-14	1.34	1.67	0.29	0.35	PLCB2	phospholipase C, beta 2	chr15	protein_coding
ENSG0000013448.13	249951172	38178576	1.25E-15	2.11E-14	1.29	1.43	10.61	9.99	SEC14L4	SEC14-like 4 (S. cerevisiae)	chr22	protein_coding
ENSG00000182165.16	122188216	20377432	0.0031804	0.0035577	2.22	2.29	7.42	6.59	PTSTG1	TP53 target 1 (non-protein coding)	chr2	lincRNA
ENSG00000168120.4	19053844	30382873	4.44E-10	4.08E-09	0.17	0.32	0.92	1.63	SLMAP	sarcolamin associated protein	chr17	protein_coding
ENSG00000189120.4	14638942	-05386478	0.00170514	0.00531058	0.04	0.09	0.3	0.18	SP6	S6b transcription factor	chr17	protein_coding
ENSG00000167101.13	-2349276	70629627	2.33E-12	2.57E-11	1.44	1.68	0.41	0.38	SPN	spin	chr2	protein_coding
ENSG00000196369.9	146941901	8943993	3.91E-05	0.00107073	0.07	0.14	0.37	0.42	SRGAP2B	SULT1-RBO Rho GTPase activating protein 2B	chr19	protein_coding
ENSG0000042695.12	25984934	30630688	1.44E-10	1.44E-09	0.02	0.06	0.24	0.45	ZFY4	ZFY4 zinc finger protein	chr19	protein_coding
ENSG0000029742.1	20864906	05273569	1.64E-07	1.07E-06	0.11	0.24	0.85	1.13	RP11-700A2		chr11	TEC
ENSG0000017031.6	512073744	-3803433	2.47E-14	3.69E-13	0.04	0	0.85	1.12	EPHX4	epoxide hydrolase 4	chr1	protein_coding
ENSG0000027057.1	11292324	1033748	0.091756	0.024897	1.05	1.63	0.34	1.07	CTB-40H15		chr2	protein_coding
ENSG0000023862.1	71563911	-1523743	2.80E-09	2.71E-08	1	0	0	0.25	RP1-6G357		chr22	sense_intronic
ENSG00000009888.8	-11591347	92508936	5.56E-05	0.002582	297.77	244.51	143.12	156.96	RPS20	ribosomal protein S20	chr9	protein_coding
ENSG00000169230.8	-2898982	83925463	3.89E-12	2.12E-10	461.59	472.88	224.4	213.1	PRKDI1	PRKDI domain containing 1	chr8	protein_coding
ENSG00000270372.1	-5378729	29446861	0.0029522	0.0085632	0	2.22	0	0	RP11-109M1		chr9	lincRNA
ENSG00000256001.1	18074034	-2166687	0.0031263	0.0034939	0.27	0.07	0.07	0.27	RP11-685A1		chr17	sense_intronic
ENSG00000178914.14	7118292	4341413	4.34E-05	1.59E-02	8.83	7.34	0.06	0.07	OPAH	omega-prolinease (ATP-hydrolyzing)	chr2	protein_coding
ENSG00000104910.4	54282042	31419667	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
ENSG00000156711.1	5267847	10630269	8.83E-15	3.49E-13	0.14	0.16	0.13	0.15	GANPB	guanine nucleotide-binding protein G (beta)	chr19	protein_coding
ENSG00000227379.9	-6732566	45095217	1.63E-63	4.88E-61	4.86	5.3	0.06	0.07	PTF3-AS1	PTF3 antisense RNA 1	chr10	antisense
ENSG00000231566.1	-1925045	-1530873	0.0018575	0.0071918	1.14	0.91	0.34	0.36	RPS-1158E1		chrX	lincRNA
ENSG0000013306.13	14708689	18303368	7.15E-03	3.57E-02	0.07	0.04	0.07	0.07	SRKIP1	SREK1-interacting protein 1	chr5	protein_coding
ENSG00000139049.9	387670736	20430996	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
ENSG00000095633.13	-3986332	-1175798	6.44E-08	4.44E-07	0.16	0.09	0	0.03	ARCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1	chr17	protein_coding
ENSG00000177932.6	-2894982	30951863	3.89E-12	2.12E-10	8.9	10.7	0.41	0.52	ZNF54C	zinc finger protein 54C	chr6	protein_coding
ENSG00000108511.9	127139859	42791195	1.63E-05	7.60E-05	3.89	5.48	14.33	15.78	HOXB6	homeobox B6	chr17	protein_coding
ENSG00000185187.11	-5281342	35572572	4.12E-44	4.00E-42	10.23	7.94	0.36	0.26	SGRN	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain containing protein sc37 homolog 2 (S. cerevisiae)	chr17	protein_coding
ENSG00000174625.5	-1272723	1073076	9.30E-05	0.0029492	0.28	0.07	0.11	0.12	VPST2	vesicle protein sc37 homolog 2 (S. cerevisiae)	chr17	protein_coding
ENSG00000261130.4	-4779966	14786073	2.30E-38	1.60E-36	7.22	6.56	0.1	0	RP11-102I1		chr16	protein_coding
ENSG0000025780.11	9320311	-1031748	0.0011117	0.003299	0	0	0	1.63	IGFBP3	insulin-like growth factor binding protein 3	chr16	protein_coding
ENSG00000261373.1	-75197	30204068	4.97E-55	9.38E-53	6.96	7.99	0.05	0.06	VPSRD1-AS1	VPSRD1 antisense RNA 1	chr16	antisense
ENSG0000027102.1	611073974	-2318297	4.74E-05	0.0020201	0	0	0.41	0.6	RPS-355L5		chr6	lincRNA
ENSG0000018523.5	1842975	1832453	0.001126	2.2E-02	0.19	0.02	0.03	0.03	CFP2	centrosomal protein 63kDa	chr12	protein_coding
ENSG00000185157.12	20723339	-1538621	0.0027705	0.0096173	0.05	0.03	0.3	0.17	FAM47E	family with sequence similarity 47, member E	chr17	protein_coding
ENSG00000141753.6	150924192	90887245	1.97E-07	1.27E-06	108.25	100	399.55	390.27	KIF8A	insulin-like growth factor binding protein 8	chr17	protein_coding
ENSG0000013227.4	14931331	7992841	3.89E-12	2.12E-10	8.9	10.7	0.41	0.52	C11orf66	chromosome 11 open reading frame 66	chr17	protein_coding
ENSG00000107056.16	211784046	27599298	3.28E-11	3.46E-10	0.26	0.42	1.65	2.34	HPS5	Hermansky-Pudlak syndrome 5	chr17	protein_coding
ENSG0000029595.1	-2864168	-2509774	0.0019023	0.0084723	0.27	0.33	0	0.09	CTD-167B2		chr15	3prime_overlap_ncrna
ENSG00000100265.8	15336353	6101981	0.0003167	0.0041957	0	0	0.04	0.29	SOX4	SOX homeobox 4	chr11	antisense
ENSG00000252847.4	-3868079	-2116287	8.40E-05	0.003415	0.02	0	0.23	0.23	RP11-2651A		chr11	antisense
ENSG00000241507.1	6258111	-2317777	0.001165	0.0034862	0.02	0	0.07	0.11	RP11-759P1		chr11	antisense
ENSG00000182040.7	12345652	-0995163	0.0013849	0.0345021	0.05	0.06	0.31	0.07	USH1G	Usher syndrome 1G (autosomal recessive)	chr17	protein_coding
ENSG00000102531.5	14441202	1671557	1.45E-05	6.85E-05	0.16	0.18	0.63	0.61	FNDCA3	fibrinogen type III domain containing 3A	chr13	protein_coding
ENSG0000006263.18	-2894982	30951863	8.83E-15	3.49E-13	0.14	0.16	0.13	0.15	CACD1G	calcium channel, voltage-dependent, L type, alpha 1G subunit	chr17	protein_coding
ENSG0000017485.6	2311931	-131806	5.38E-07	3.24E-06	0.04	0.05	0.17	0.38	ZBTB33	zinc finger and BTB domain containing 33	chr4	protein_coding
ENSG00000146414.14	35102867	02322204	1.64E-13	2.23E-12	0.02	0.01	0.16	0.34	SPRH	SNF2 histone kinase, PHD RING helix, E3 ubiquitin protein ligase	chr6	protein_coding
ENSG0000016337.14	-2894982	30951863	8.83E-15	3.49E-13	0.14	0.16	0.13	0.15	ADAMTS-1	adhesin-related metalloproteinase domain 22	chr4	protein_coding
ENSG00000108723.15	13777642	32174954	5.47E-06	2.79E-05	0.94	0.91	0.21	0.34	SPIN1	spinidin 1	chr6	protein_coding
ENSG0000012146.15	16325495	46519878	3.63E-08	2.57E-07	1.88	1.99	6.28	5.99	KIF9C	KIF-9 protein 9	chr17	protein_coding
ENSG0000027155.11	0.0069129	2.0763978	0.0002819	0.0028128	0	0	0	0.05	RP11-300B4		chr13	protein_coding
ENSG0000027908.1	611073974	-2318297	4.74E-05	0.0020201	0	0	0.07	0.1	RP11-481C4		chr17	TEC
ENSG0000026980.1	4728268	-0718529	7.05E-11	2.2E-10	0.01	0.02	0.28	0.28	SARM15	small Cajal body-specific RNA 15	chr15	processed_transcript
ENSG0000026098.1	28029914	0.0001052	0.0022954	0.03	0	0	0	0.12	RP11-135F9		chr17	TEC
ENSG0000016299.15	-13977476	-0636878	0.0026113	0.0078486	0.13	0.28	0.11	0.09	AAAI32A	AAAI32A	chr1	protein_coding
ENSG0000024940.7	1025989	0797617	2.55E-11	1.75E-09	0.02	0.02	0.07	0.08	PRRT4	proline-rich transmembrane protein 4	chr1	protein_coding
ENSG0000016351.13	10485658	40796185	0.0003719	0.0113301	3.01	2.16	7.93	6.28	HADC11	histone deacetylase 11	chr1	protein_coding
ENSG0000027274.11	24906											

ENSG0000027214.4	15520842	320928024	3696.07	2.28E-06	0.28	0.08	1.59	SLC44A1	solute carrier family 44 (doline transporter), member 1	chr9	protein_coding	
ENSG00000198386	15520842	320928024	3696.07	2.28E-06	0.28	0.08	1.59	SLC44A1	caspase treatment domain family, member 11	chr9	protein_coding	
ENSG00000118167	548410531	-2730624	000158008	0.049521	0.00	0.02	0.01	FRK	lyn-related Src family tyrosine kinase	chr9	protein_coding	
ENSG0000022966.12	11204182	566712145	000010942	0.0003463	2.68	3.27	8.25	CT	cytochrome b5 reductase	chr12	protein_coding	
ENSG00000105333.14	18375925	102000000	000000000	0.0000000	1.15	3.05	15.0	URF101	ubiquitin domain containing 1	chr9	protein_coding	
ENSG00000148143.11	23562765	202195406	3606.12	4.28E-11	0.11	0.59	0.76	ZNF462	zinc finger protein 462	chr9	protein_coding	
ENSG00000106263.16	-16703734	950237087	9838.09	7.54E-08	29.98	286.59	12393	EF3B8	eukaryotic translation initiation factor 3, subunit B	chr7	protein_coding	
ENSG0000016577.7	1011467873	1011467873	000000000	0.0000000	0.11	0.10	0.11	ECTD6B	ectoderm development domain containing 6	chr13	protein_coding	
ENSG00000201513.13	144323114	043105152	000016327	0.0006282	0.11	0.06	0.28	0.03	ARN1L2	aryl hydrocarbon receptor nuclear translocator-like 2	chr12	protein_coding
ENSG00000139413.13	23438985	-0112187	2486.07	2.10E-06	0.06	0.53	0.55	LITPB5	LY6PLAUR domain containing 5	chr12	protein_coding	
ENSG00000189890.10	18375925	711034919	000000000	0.0000000	4.93	9.23	83.02	RASGE3	RAS GTP protein activator 3	chr10	protein_coding	
ENSG00000132424.13	18770965	040453612	5376.10	4.87E-09	1.02	11.9	2.72	FNSR	PNU-interactor serine/arginine-rich protein	chr6	protein_coding	
ENSG00000104428.8	15520842	320928024	3696.07	2.28E-06	0.28	0.08	1.59	ARMC1	armadillo repeat containing 1	chr9	protein_coding	
ENSG00000261270.1	1900471	-1648693	00048679	0.0171541	0.27	0.09	0.82	RP11-325K4	--	chr16	protein_coding	
ENSG0000028258.11	-52109276	-30346387	000581865	0.0148861	0.07	0.22	0.0	RP11-325K1	--	chr10	antisense	
ENSG0000011191.11	-20419079	311329467	0398249	1.93E-09	5.38	4.76	0.6	MTM50	mitochondria-type MMTV interaction site family, member 5B	chr12	protein_coding	
ENSG0000017989.8	-48907605	178017051	5886.25	2.02E-23	0.64	1.2	0.4	SIP1R1	sphingosine-1-phosphate receptor 1	chr1	protein_coding	
ENSG00000170786.11	-29156446	180555176	1286.12	2.35E-15	1.61	14.3	0.29	SCR16C5	scruin chain dehydrogenase/reductase family 16C, member 5	chr8	protein_coding	
ENSG0000024562.12	-17983154	-17987328	00684841	0.0182829	0.06	0.03	0.01	MUTM2D	MUTM2 domain containing 2	chr10	protein_coding	
ENSG0000006199.15	19773852	23481125	9146.10	8.04E-09	0.39	0.27	1.98	SPA17	sperm autoantigenic protein 17	chr11	protein_coding	
ENSG0000012570.10	17699903	125704528	4268.07	2.61E-06	0.06	0.09	0.35	KCNH1	ring finger and CCHC-type domains 1	chr1	protein_coding	
ENSG00000163017.12	-18297713	-1890771	00967167	0.0251905	0.19	0.02	0.01	ACT2	actin, gamma 2, smooth muscle, enteric	chr2	protein_coding	
ENSG0000019669.4	-12616562	170680707	1266.05	6.01E-05	37.59	36.8	20.3	RR2BPL	retinoid receptor regulatory factor 2 binding protein	chr14	protein_coding	
ENSG00000212537.1	-21379471	-21379471	5588.13	7.35E-12	169.41	138.69	45.43	FHS1	fission 1 (mitochondrial outer membrane homology I, crevase)	chr7	protein_coding	
ENSG0000015832.14	-12625315	85342798	00032987	0.0101191	29.22	19.69	198.42	PM204	proteasome (prosome, macropain) 20S subunit, non-APP4a, 4	chr1	protein_coding	
ENSG0000075624.12	-16268177	128267327	2238.08	1.62E-07	4668.73	4601.87	2038.42	ACTB	actin, beta	chr11	protein_coding	
ENSG00000154114.11	-21267493	149427272	1274.09	1.08E-08	0.16	0.15	0.84	TBC12	tubulin folding cofactor E-like	chr11	protein_coding	
ENSG0000012787.11	-12129653	64663847	2698.05	0.0012094	16.98	18.97	11.41	FRRS11	fibronectin-like 11	chr7	protein_coding	
ENSG00000292472.1	15128316	00509248	00005756	0.0095903	0.27	0.31	1.06	RP11-384C1	--	chr12	lincRNA	
ENSG0000016474.14	17674301	10071888	19316.06	9.47E-08	0.22	0.28	1.26	OTTL	otolithin-like 3	chr9	protein_coding	
ENSG00000189545.1	16921149	390041388	4398.06	2.28E-05	2.29	2.99	7.66	1055	KAA1279	chr10	protein_coding	
ENSG00000196417.1	10319646	098174658	4038.14	5.85E-13	0.01	0.04	0.29	ZNF765	zinc finger protein 765	chr19	protein_coding	
ENSG00000103945.7	16445110	100000000	000000000	0.0000000	45.29	401.87	161.69	1462	PROX1	chr19	protein_coding	
ENSG00000234546.2	157303477	-00680801	0.0001608	0.0006183	0.62	0.09	1.56	133	RP3-510D11	chr19	lincRNA	
ENSG0000010467.7	270518489	270518489	2938.05	0.0001382	0.15	0.05	0.58	GCOT1A	glycolipid transport 1A	chr1	protein_coding	
ENSG00000105812.12	2348243	102626015	2495.25	8.02E-24	6.87	0.86	0.94	808	FUZ	fuzzy glycolipid polarity protein	chr1	protein_coding
ENSG0000017757.11	-13788761	10323684	1838.06	1.01E-05	673.45	611.29	338.26	3218	CLL1	collin 1 (non-muscle)	chr19	protein_coding
ENSG00000184299.9	13788761	10323684	1838.06	1.01E-05	673.45	611.29	338.26	3218	CLL1	collin 1 (non-muscle)	chr19	protein_coding
ENSG0000010951.11	13292863	139071169	9986.05	0.0004017	0.19	0.23	0.69	0.71	MTFAP	mitochondrial poly(A), poly(A) polymerase	chr10	protein_coding
ENSG0000020250.7	13537187	18717548	2878.06	1.55E-05	47.49	48.09	167.65	15753	E2F4	E2F transcription factor 4, p107/p130-binding	chr16	protein_coding
ENSG0000020837.6	13788761	10323684	1838.06	1.01E-05	673.45	611.29	338.26	3218	CLL1	collin 1 (non-muscle)	chr19	protein_coding
ENSG0000020986.10	23169138	204875063	5648.12	6.53E-11	0.33	0.32	1.06	111	UFM1	ubiquitin-fold modifier 1	chr13	protein_coding
ENSG0000021989.1	51974851	-2896979	0.0053185	0.0148861	0.70	0.0	0.28	RP4-736L2.0	--	chr16	antisense	
ENSG00000178952.7	14588467	10329122	0030202	0.0183882	764.07	735.0	370.19	38608	FUFB	Tu translation elongation factor, mitochondrial	chr13	antisense
ENSG00000145088.7	26846761	-18749565	0.0012927	0.0038579	0.05	0.02	0.16	0.47	EAF2	E11 associated factor 2	chr10	protein_coding
ENSG00000173203.9	28218825	50452844	8316.20	1.97E-18	1.5	1.36	11.8	138	TRAF2A	transmembrane receptor AP-2 alpha (activating enhancer binding protein 2 alpha)	chr6	protein_coding
ENSG0000027274.1	12687993	10291828	1648.09	3.98E-09	0.06	0.04	0.28	0.04	TRAF2B	transmembrane receptor AP-2 beta (activating enhancer binding protein 2 beta)	chr6	protein_coding
ENSG00000109534.15	-16396242	606675849	2118.08	1.54E-07	61.33	68.84	25.39	3036	GAR1	GAR1 ribonucleoprotein	chr10	protein_coding
ENSG00000191222.10	12687993	10291828	1648.09	3.98E-09	0.06	0.04	0.28	0.04	TRAF2B	transmembrane receptor AP-2 beta (activating enhancer binding protein 2 beta)	chr6	protein_coding
ENSG00000274191.1	22823745	-18451984	0.0030791	0.0089202	2.32	13.08	11.39	58.2	SHC1	Src1 oncogene, non-receptor tyrosine kinase	chr12	protein_coding
ENSG00000294761.1	-65730459	-21628829	1788.06	9.85E-06	0.51	0.17	0.0	0.4	RP11-672A2	--	chr11	lincRNA
ENSG00000188769.9	12687993	10291828	1648.09	3.98E-09	0.06	0.04	0.28	0.04	TRAF2B	transmembrane receptor AP-2 beta (activating enhancer binding protein 2 beta)	chr6	protein_coding
ENSG00000188714.11	-12842727	95677978	8398.07	4.13E-05	220.53	253.82	136.34	12249	MMP7D1	MMP7 domain containing 1	chr11	protein_coding
ENSG0000040284.9	14283338	41205032	1598.06	8.89E-06	2.31	3.23	7.8	1211	SLC24A4	solute carrier family 24 (sodium/calcium exchanger), member 2	chr15	protein_coding
ENSG00000114813.13	10231617	10231617	10231617	4.75E-11	81.0	81.0	333.7	333.7	SLC24A4	solute carrier family 24 (sodium/calcium exchanger), member 2	chr15	protein_coding
ENSG00000179170.10	50620318	-29716376	0.0104055	0.0282742	0.0	0.05	0.06	PIPOX	pepino acid oxidase	chr17	protein_coding	
ENSG0000022862.4	50417562	-2982774	0.0104055	0.0282742	0.0	0.05	0.06	PIPOX	pepino acid oxidase	chr17	protein_coding	
ENSG00000103173.13	18399293	60666883	0.0018637	0.0007076	0.05	0.06	0.21	0.13	CTF1	serine/threonine kinase 24	chr13	antisense
ENSG0000017866.13	18399293	60666883	0.0018637	0.0007076	0.05	0.06	0.21	0.13	CTF1	serine/threonine kinase 24	chr13	protein_coding
ENSG00000101112.14	235046489	235046489	235046489	0.0000000	0.44	0.14	0.44	3.95	MAP41	MAP41 (non-Glu-1) Fraxin-Wiili/Angelman syndrome 1	chr1	protein_coding
ENSG00000134014.10	16270721	181220509	8978.07	5.02E-06	0.11	0.14	0.46	0.05	POD2D	POD domain containing 2	chr1	protein_coding
ENSG00000149853.12	20615644	26405251	1318.10	1.23E-09	0.26	0.31	1.24	1.95	DXH36	DEAH (Asp-His-His) box polypeptide 36	chr3	protein_coding
ENSG0000017890.15	15424481	10291828	1648.09	3.98E-09	0.06	0.04	0.28	0.04	TRAF2B	transmembrane receptor AP-2 beta (activating enhancer binding protein 2 beta)	chr6	protein_coding
ENSG00000214537.7	-16857206	5232484	1048.08	7.97E-08	7.05	7.42	3.33	2.65	NEURL1B	neurallized E3 ubiquitin protein ligase 1B	chr15	protein_coding
ENSG00000168187.11	19968488	-2029292	0.0039746	0.0347796	0.07	0.02	0.17	0.36	RP11-1007D	--	chr15	lincRNA
ENSG00000168689.9	-13026747	-13026747	0.0039746	0.0347796	0.07	0.02	0.17	0.36	RP11-1007D	--	chr15	lincRNA
ENSG0000029644.1	497317439	-30678699	0.0188873	0.0419357	0.0	0.0	0.16	RP11-680F8	--	chr15	antisense	
ENSG00000202632.12	-18337367	23627296	7448.08	5.08E-07	18.89	11.4	7.71	8.22	RP11-157P1	--	chr20	antisense
ENSG00000165240.16	18421297	132657209	7728.05	0.0003161	0.12	0.04	0.28	0.62	ATP7A	ATPase, Cu+ transporting, alkaline phosphatase	chr1	protein_coding
ENSG00000168225.12	28197763	63588886	7648.11	7.77E-10	0.03	0.19	0.23	0.91	IGSANT1	beta-13-N-acetylglucosaminyltransferase 1 (globoside blood group)	chr1	protein_coding
ENSG00000161351.12	13292863	10291828	1648.09	3.98E-09	0.06	0.04	0.28	0.04	TRAF2B	transmembrane receptor AP-2 beta (activating enhancer binding protein 2 beta)	chr6	protein_coding
ENSG00000104348.8	-16551901	30968335	3368.08	2.39E-07	83.02	107.5	3.93	439	DXD	deacapping exonuclease	chr15	protein_coding
ENSG00000161404.4	-2525878	10291828	1648.09	3.98E-09	0.06	0.04	0.28	0.04	TRAF2B	transmembrane receptor AP-2 beta (activating enhancer binding protein 2 beta)	chr6	protein_coding
ENSG00000119609.9	-11100701	610104003	0.0001219	0.0004812	73.06	70.24	39.29	175.32	592B	peptidylglyoxylase H (cytophlin H)	chr16	protein_coding
ENSG00000138663.7	1860151	18666442	5088.07	3.07E-06	0.48	0.57	1.22	323	COP5A	COP9 signalosome subunit 5	chr1	protein_coding
ENSG00000149492.13	37891383	37891383	37891383									

ENSG0000120756.11	4.31304882	-0.2449548	1.22E-13	1.68E-12	0.01	0.02	0.29	0.44	PLS1	plastin 1	chr3	protein_coding	
ENSG0000168931.14	7.171587	-1.241151	0.0001587	6.58E-08	0.002	0.002	0.002	0	0	androgen receptor	chr3	protein_coding	
ENSG00001621789.1	3.09310043	-2.6178507	0.00943894	0.02469931	0.02	0	0	0.21	RP11-709D.02	chr16	antisense		
ENSG0000080740.16	1.2049789	2.5014687	0.0001952	0.00034673	0.55	0.63	1.23	2.24	DNM1L	dynamins 1-like	chr12	protein_coding	
ENSG000014541.15	1.6282864	2.4510	0.0001202	0.0001202	70.82	80.82	252.80	258.63	SRP133A	ribosomal protein L13a	chr12	protein_coding	
ENSG0000175768.11	-1.2219005	0.6969037	2.43E-05	0.00191799	0.82	0.82	39.28	56.68	TOMM5	translocase of outer mitochondrial membrane 5 (mouse yeast)	chr9	protein_coding	
ENSG0000163395.15	-0.4019307	0.386235	1.75E-26	6.66E-25	0.08	0.27	0	0	IGFN1	immunoglobulin-like and fibronectin type III domain containing 1	chr1	protein_coding	
ENSG0000185017.18	1.8801463	1.79181	1.18E-16	1.58E-16	0.17	0.17	0.17	0.17	554 RFBP1	infection regulator factor 7	chr1	protein_coding	
ENSG0000107443.14	1.7871313	-0.1165767	3.43E-05	0.00015114	0.08	0.07	0.2	0.47	CCN1	cyclin 1	chr10	protein_coding	
ENSG0000144278.13	-0.4153179	-1.6099575	4.63E-06	2.81E-06	0.01	0.14	0.01	0.01	0	GALNT13	polypeptide N-acetylglucosaminyltransferase 13	chr2	protein_coding
ENSG0000162031.8	2.719276	1.732829	0.0001202	0.0001202	0.54	0.54	0.54	0.54	ABHD3	abhydrolase domain containing 3	chr11	protein_coding	
ENSG0000205659.9	1.2917214	2.8237549	2.64E-05	0.00011887	1.05	1.32	4.04	3.67	INS2	in-52 DREAM MuvB core complex component	chr14	protein_coding	
ENSG0000110992.3	1.425166	0.6759524	5.08E-06	3.07E-05	0.59	0.61	0.61	0.61	0.61	CCND1	cyclin D1	chr12	protein_coding
ENSG0000196629.9	8.7264789	-0.1476539	8.15E-19	1.79E-17	0.0	0.1	0.1	0.2	WNK3	WNK lysine deficient protein kinase 3	chr15	protein_coding	
ENSG0000104129.8	-1.2963116	5.936216	1.47E-05	6.96E-05	16.83	20.5	11.27	9.48	DNAH17	DnaH (Hsp40) homolog, subfamily C, member 17	chr15	protein_coding	
ENSG0000245478.11	1.6697944	-0.890329	0.0001871	0.00025645	0.07	0.03	0.11	0.32	ITIH3	interleukin-6 receptor subunit RNA1291	chr15	protein_coding	
ENSG0000174433.16	-1.0817226	5.34045639	0.00018756	0.00017156	27.25	25.36	15.92	17.24	POLR1C	polymere RNA (POLY) protein C, 30kDa	chr16	protein_coding	
ENSG0000197106.6	3.07238205	3.6346885	2.62E-21	7.02E-20	0.24	0.24	0.24	0.24	343 SLC6A7	solute carrier family 6 (neural amino acid transporter), member 17	chr16	protein_coding	
ENSG0000162193.5	2.13964219	-0.1821486	4.32E-07	2.94E-06	0.07	0.05	0.07	0.05	0.42	CTC-206E6.6	chr19	antisense	
ENSG00001313195.10	1.0259303	2.9309444	0.0007966	0.00021098	1.54	1.07	3.33	3.77	SLC39A11	solute carrier family 39, member 11	chr17	protein_coding	
ENSG0000126165.8	-2.2460312	4.8722288	1.79E-13	2.43E-12	5.9	6.42	1.92	1.5	ADMT2	adenomethalin 2	chr22	protein_coding	
ENSG000018211.8	1.5253376	6.976269	1.59E-07	1.04E-06	20.77	17.05	6.74	1.02	CTC-206E6.6	chr19	antisense		
ENSG0000274671.1	-5.378332	-2.9451057	0.0029522	0.00056312	0.04	0.37	0	0	0	RP11-505K9.1	chr16	sense_intronic	
ENSG0000159720.10	1.8801463	7.0239973	1.92E-10	1.92E-10	27.22	21.24	118.21	120.25	ATP5B	ATPase, H+ translocating, mitochondrial 38kDa, V0 subunit d1	chr16	protein_coding	
ENSG0000205891.14	-5.3179891	1.8916313	2.35E-19	9.9E-19	0.05	0.08	0.1	1.02	ITIH3	interleukin-6 receptor subunit B, X-linked	chr16	protein_coding	
ENSG0000065060.15	1.1292059	3.7654576	0.0001448	0.00051146	0.74	0.65	1.8	2.26	UHRF1BP1	UHRF1 binding protein 1	chr16	protein_coding	
ENSG0000270308.11	-1.5724565	-2.252008	0.0029522	0.00056312	0.26	0.08	0	0	0	RP11-107N	chr14	antisense	
ENSG0000197563.8	1.2465895	2.8008813	5.07E-05	0.00021634	0.55	0.65	1.5	2.31	PIGN	chondroitin-6-phosphate 6-epimerase	chr18	protein_coding	
ENSG0000179015.4	1.6651007	0.1634288	4.17E-05	0.00018165	0.14	0.25	0.87	1.70	GRP150	G-protein-coupled receptor 150	chr5	protein_coding	
ENSG0000267138.11	4.3769882	-1.984702	1.57E-07	1.02E-06	0.06	0	1.2	1.02	RP11-178C3	chr17	protein_coding		
ENSG0000138738.9	-1.7796837	-1.6845418	4.48E-09	3.99E-08	0.06	0.06	0.06	0.06	0	PRDM5	PR domain containing 5	chr4	protein_coding
ENSG0000163239.11	6.03844038	-0.3474003	1.15E-15	1.94E-14	0.01	0	0.57	0.59	TDRD10	tudor domain containing 10	chr1	protein_coding	
ENSG0000118922.14	1.292293	3.932056	0.0042929	0.00110637	8.17	8.02	3.42	5.12	DNAH14	DNAH domain containing 14	chr13	protein_coding	
ENSG0000132970.11	6.2809855	0.67461083	2.91E-25	1.03E-23	0.01	0.01	0.06	0.06	0	WASF3	WAS protein family, member 3	chr13	protein_coding
ENSG0000122708.11	1.9597875	1.0769538	1.92E-06	6.50E-06	0.08	0.08	0.08	0.08	0	PAPAS2	PAP associated domain containing 5	chr13	protein_coding
ENSG0000104471.13	1.3197412	0.0001786	0.00012525	0.0005095	0.06	0.09	0.21	0.29	DTWD1	DTW domain containing 1	chr15	protein_coding	
ENSG0000121014.14	-5.0987257	5.1807819	4.10E-48	5.14E-46	25.38	23.17	0.99	0.89	LOX1	lysyl oxidase-like 1	chr15	protein_coding	
ENSG000013018.13	1.425166	0.6759524	5.08E-06	3.07E-05	0.59	0.61	0.61	0.61	0.61	CCND1	cyclin D1	chr12	protein_coding
ENSG0000103666.8	-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	chr7	protein_coding	
ENSG0000162395.18	2.7439644	3.8042378	4.68E-18	9.66E-17	3.9	7.58	48.13	37.89	CNFN	comelin	chr19	protein_coding	
ENSG000016136.11	1.825485	1.0000007	0.0029687	0.0001202	0.17	0.17	0.17	0.17	0	4.48	CP1 attachment to proteins 3	chr19	protein_coding
ENSG0000157107.12	1.84911396	-0.1891896	3.53E-05	0.00015336	0.04	0.07	0.4	0.46	FCHO2	FCH domain only 2	chr15	protein_coding	
ENSG0000279078.11	7.2043875	-1.4865882	1.76E-09	1.50E-08	1.70	1.70	1.70	1.70	0.02	0.02	0.02	0.02	
ENSG0000165498.9	1.8694403	1.9324817	0.0001871	0.00021098	0.07	0.03	0.2	0.37	PRKACD	protein kinase, AMP-activated, alpha 2 catalytic subunit	chr7	protein_coding	
ENSG0000164574.14	-1.6380231	5.9486112	2.20E-08	1.60E-07	7.97	9.19	3.54	3.81	GALNT10	polypeptide N-acetylglucosaminyltransferase 10	chr12	protein_coding	
ENSG0000080819.11	3.55949786	-2.248717	0.0006294	0.0022678	0.01	0	0.03	0.13	AQP6	aquaporin 6, kidney specific	chr12	protein_coding	
ENSG000029707.16	1.82516029	4.9342848	0.0001202	0.0001202	63.45	68.61	2.96	2.96	0	0	0	0	
ENSG0000232233.11	1.4558113	0.3321996	0.0002106	0.0007926	0.22	0.34	0.94	1.09	RP11-573D1.1	chr15	protein_coding		
ENSG000017950.14	-0.8252828	1.82516029	0.0001202	0.0001202	0.29	0.29	0.29	0.29	0	0	0	0	
ENSG0000130495.5	1.1794286	1.9536745	0.0002674	0.00091831	0.29	0.4	0.75	1.32	ZSWIM6	zinc finger, SWIM-type containing 6	chr3	protein_coding	
ENSG0000187323.11	1.5445995	4.3387865	9.11E-07	5.28E-06	2.2	2.28	7.64	9.16	GM144	KIF1A-like MARVEL transmembrane domain containing 4	chr16	protein_coding	
ENSG0000166145.13	1.82516029	4.9342848	0.0001202	0.0001202	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	
ENSG000026328.6	-1.6709682	3.8295013	7.77E-08	2.00E-07	4.64	5.78	2.28	2.07	KBKE	inhibitor of kappa light polypeptide gene enhancer in B-cells, kappa epsilon exon	chr1	protein_coding	
ENSG0000274370.11	-5.631236	-2.785647	0.0006664	0.0028128	0.48	0	0	0	0	0	0	0	
ENSG0000167428.2	1.571391	1.5140403	0.0001202	0.0001202	1.14	1.08	2.31	3.87	SCX	steroid-inducible basic helix-loop-helix transcription factor	chr12	protein_coding	
ENSG0000120820.11	1.02057941	2.5104013	0.001061	0.00330431	1.14	1.08	2.31	3.74	GLTD2	glyoxylate decarboxylase domain containing 2	chr12	protein_coding	
ENSG0000197842.12	-1.610712	-0.552245	0.0004671	0.0012553	0.97	0.47	0.33	0.33	KPFBP1	KP06 binding protein 18. 12.6 kDa	chr2	protein_coding	
ENSG000018466.11	1.1269381	1.932884	0.0001202	0.0001202	1.19	1.19	1.19	1.19	ZNF587	zinc finger protein 587	chr19	protein_coding	
ENSG0000124806.8	4.3083741	0.6412632	4.86E-19	1.09E-17	0.01	0.08	1.27	0.99	PRRS-ARHGAP	PRRS-ARHGAP readthrough	chr22	protein_coding	
ENSG0000164040.15	1.2178808	7.12885	0.0001202	0.0001202	1.18	1.18	1.18	1.18	PCBAC12	proteoglycan core protein, beta component 2	chr19	protein_coding	
ENSG0000138642.13	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	
ENSG0000202817.15	-1.738375	2.8559761	2.05E-08	1.50E-07	2.5	2.37	1.06	0.88	TNFRSF18	tumor necrosis factor receptor superfamily, member 18	chr4	protein_coding	
ENSG0000142211.12	-1.922774	3.934884	0.0001202	0.0001202	0.41	0.41	0.41	0.41	0	0	0	0	
ENSG0000125247.9	-1.4314799	2.4033984	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	
ENSG0000178567.7	3.9854402	1.59231495	8.82E-23	2.99E-21	0.04	0.03	0.42	0.42	EPMDZP1	EMDZ (afatin) interacting protein 1	chr1	protein_coding	
ENSG0000280120.11	1.82516029	4.9342848	0.0001202	0.0001202	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	
ENSG000010321.14	1.1819017	1.6867209	4.26E-05	0.00018903	9.68	13.11	28.01	41.13	E1F4E2	eukaryotic translation initiation factor 4 gamma, 2	chr11	protein_coding	
ENSG000019762.14	1.30410221	1.6647423	7.61E-05	0.00014036	0.31	0.52	0.27	1.74	SNOC5	sorbing protein 5	chr14	protein_coding	
ENSG0000164151.9	2.1686271	2.1686271	0	0	0	0	0	0	0	0	0	0	
ENSG0000108772.2	1.4830553	1.0047814	3.10E-07	1.93E-06	290.15	503.53	162.61	131.96	MT-CYB	mitochondrially encoded cytochrome b	chrM	protein_coding	
ENSG000020417.8	1.9106115	-0.766989	0.00013355	0.00052381	0.01	0.09	0.26	0.25	AB2B	N-soylthiosphingamine amidohydrolase (non-lysosomal ceramidase) 2B	chr10	protein_coding	
ENSG0000157979.10	1.879111	-1.1874671	0.0001202	0.0001202	0.66	0.66	0.66	0.66	0	0	0	0	
ENSG0000171155.7	1.2073861	3.1680899	6.77E-05	0.0002825	2.17	2.71	5.22	9.9	GIGAL1C1	GIGAL1-specific chaperone 1	chr1	protein_coding	
ENSG0000232771.11	6.7973481	-1.8137373	0.0001202	0.0001202	0.66	0.66	0.66	0.66	0	0	0	0	
ENSG0000134152.9	1.4496767	-0.355843	0.00138295	0.00443091	0.13	0.09	0.99	0.1	KATNB1L8	katantin p80 subunit B-like 1	chr15	protein_coding	
ENSG0000132429.8	-5.7854407	0.0308988	5.37E-23	1.61E-21	1.13	1.77	0.02	0.04	POPCD3	poppey domain containing 3	chr16	protein_coding	
ENSG000012380.5	1.05211029	2.4033984	0.0001202	0.0001202	0.66	0.66	0.66	0.66	0	0	0	0	
ENSG0000209042.1	3.4185487	-2.4197021	0.0012121	0.0036442	0.3	0.28	2.45	2.45	SNORD12C	small nucleolar RNA, C/D box 12C	chr20	snoRNA	
ENSG000011110.10	3.5524326	3.9151696	6.45E-27	2.54E-25	0.23	0.32	0.32	0.32	0	0	0	0	
ENSG0000138651.12	1.8707043	0.8518693	3.33E-05	2.71E-04	0.16	0.16	0.16	0.16	0	0	0	0	
ENSG0000241322.7	-1.8446325	-0.6501121	6.95E-05	0.0002889	0.14	0.23	0.06	0.21					

ENSG00000149179.12	1804587	49608401	110E-09	9.52E-09	17.87	17.27	6.54	6.88	C11orf49	chromosome 11 open reading frame 49	chr11	protein_coding
ENSG000017088.7	2503240	527445	0.000000	0.000000	0.00	0.00	0.00	003 SC2M8	sodium channel, voltage gated, type IV beta subunit	chr11	protein_coding	
ENSG0000043434.14	112605922	-01736026	0.00748897	0.02009224	0.26	0.12	0.63	047 SEM6AC	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6C	chr11	protein_coding	
ENSG00000103319.10	-13309483	5642394	4.75E-06	2.45E-05	7.62	8.05	41.7	412 EF2K	eukaryotic elongation factor 2 kinase	chr16	protein_coding	
ENSG000017783.5	4952938	6065451	25	8.63	0.00	0.00	0.00	758 E2D8	ectoderm class receptor 8	chr16	protein_coding	
ENSG00000279122.1	656573038	-1984127	1.05E-06	6.02E-06	0	0	0.31	031 RP11-394B2	...	chr16	TEC	
ENSG00000260011.2	54989385	-2.738703	0.00138008	0.00499521	0	0	0.57	045 RP13-2014	...	chr17	lincRNA	
ENSG000007019.14	4652941	3242933	1.93E-06	7.03E-06	0.51	0.24	0.72	214 DCB2D2	discoidin, CUB and LCC1 domain containing 2	chr17	protein_coding	
ENSG0000078121.1	193235425	-02131509	1.72E-05	6.02E-05	0.86	0.24	0.37	198 RP11-972P1	...	chr12	sense_intronic	
ENSG00000196159.1	11682069	0.31501803	0.00251275	0.005832	0.23	0.32	0.56	10 WDSJ8J1	WD repeat, sterile alpha motif and U-box domain containing 1	chr2	protein_coding	
ENSG0000079944.1	33953663	-2.1408297	0.00111161	0.00584723	0.01	0.17	0.07	007 RP11-274A1	...	chr16	TEC	
ENSG0000025268.1	325115021	218004492	9.97E-20	2.34E-19	0.39	0.93	0.43	819 RP11-398H6	...	chr8	lincRNA	
ENSG00000149678.6	34353183	-2.408293	0.00111161	0.00584723	0	0	0.05	001 NCV2A2	neuro-oncological ventral antigen 2	chr19	protein_coding	
ENSG00000101017.12	76250091	197725187	5.03E-42	4.23E-40	0.03	0	4.68	398 CD40	CD40 molecule, TNF receptor superfamily member 5	chr20	protein_coding	
ENSG00000175182.12	-2.0461034	38102527	1.97E-11	2.14E-10	4.16	3.96	1.4	122 FAM131A	family with sequence similarity 131, member A	chr3	protein_coding	
ENSG00000269361.1	-1954269	-2.7932297	0.00943859	0.00469831	0.47	0.40	0.05	RP11-452E5	...	chr17	protein_coding	
ENSG0000025867.1	362073853	-16221396	1.25E-05	5.96E-05	0	0.04	0.34	042 DENND5B-A	DENND5B-A DENND5B sense RNA 1	chr12	antisense	
ENSG00000189191.15	296649567	-0.356918	8.36E-09	6.48E-08	0.01	0.04	0.16	035 CMT2C	cat methyltransferase 2	chr16	protein_coding	
ENSG00000105260.10	12698365	6.0010392	1.22E-05	5.81E-05	10.21	5.99	32.64	3052 ARF1	anionylated beta (A4) precursor-like protein 1	chr19	protein_coding	
ENSG00000260837.1	0.41789373	0.0188973	0.04619557	0	0	0.1	0.04	RP11-434B1	...	chr17	lincRNA	
ENSG0000022725.5	-5.219376	-3.0346387	0.00538185	0.01488851	0.04	0.13	0	0 ACJ08795	...	chr12	antisense	
ENSG0000017956.7	-1.0534892	5.0774571	0.0028943	0.0102963	29.52	21.44	15.65	1685 OCTP1	ICTP psychophosphate 1	chr16	protein_coding	
ENSG00000198787.11	1.1266249	91770073	1.25E-24	4.20E-23	182.37	193.28	29.72	2621 LAMB3	laminin, beta 3	chr10	protein_coding	
ENSG0000016538.15	-1.5179168	-1.0346387	0.0110707	0.02868913	0.02	0.08	0.08	006 HECTD2	HECT domain containing E3 ubiquitin protein ligase 2	chr10	protein_coding	
ENSG0000054598.6	-1.2119139	6.2725083	4.15E-05	0.0024669	3.95	5.44	0.26	233 FOW1	forkhead box C1	chr12	protein_coding	
ENSG00000261324.2	4.71108305	0.10467805	5.00E-17	9.48E-16	0.01	0.01	0.32	042 RP11-174G6	...	chr12	sense_overlapping	
ENSG0000017668.15	6.1678938	2.408293	0.00111161	0.00584723	0	0	0.05	198 MYO1D	myosin ID	chr17	protein_coding	
ENSG0000011452.11	-9130022	228521803	5.19E-51	7.32E-49	1.4	1.45	0.01	0 GPR133	...	chr12	protein_coding	
ENSG00000179242.14	-5.898964	-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	
ENSG00000172766.17	303224359	0.6833922	3.74E-13	4.89E-12	0.04	0.07	0.4	085 NAA15	N-ethylmaleimide sensitive factor 15, N-ethylmaleimide sensitive factor 15, member A	chr13	protein_coding	
ENSG0000007420.14	14285798	1.39872052	2.55E-05	0.0001488	0.29	0.33	0	123 APBB1P	anionylated beta (A4) precursor-protein-binding, family B, member 1 interacting protein	chr20	protein_coding	
ENSG00000279764.1	334483497	-2.2034493	0.00013996	0.00054609	0.02	0	0.26	015 RP11-441F2	...	chr16	TEC	
ENSG0000016438.5	8.920113	31844623	1.92E-52	5.54E-50	0.40	0.13	0.73	1025 T3	T-cell leukemia homeobox 3	chr17	protein_coding	
ENSG00000158862.5	-1.4620318	8.9962286	4.51E-07	2.75E-06	69.04	84.92	35	395 LAMC1	laminin, gamma 1 (formerly LAMB2)	chr19	protein_coding	
ENSG0000013207.12	-1.4262933	-1.6601404	0.00030121	0.00109885	0.07	0.04	0.04	001 NCAY	neurocan	chr19	protein_coding	
ENSG0000024956.7	2.9652556	-1.259262	9.85E-06	4.79E-05	0.01	0.02	0.17	006 ZNF2868	zinc finger protein 2868	chr19	protein_coding	
ENSG00000189899.5	2.1762927	-2.581736	0.01923175	0.0498365	0	0.03	0.22	0 SNA3	small family zinc finger 3	chr16	protein_coding	
ENSG0000015588.5	1.2119139	6.2725083	0.00111161	0.00584723	0.05	0.23	0.05	055 LSM11	LSM11 L7 small nuclear ribonucleoprotein A associated	chr17	protein_coding	
ENSG00000126001.7	14933103	1.85140648	1.09E-05	5.27E-05	0.16	0.21	0.36	098 METTL8	methyltransferase like 8	chr2	protein_coding	
ENSG0000017699.15	3.11852816	1.1785766	5.18E-24	1.67E-22	4.45	4.18	53.24	4651 TRIM29	trypsin motif containing 29	chr11	protein_coding	
ENSG00000167769.4	-1.6781744	6.2725083	0.0028943	0.00469831	0.47	0.40	0.05	015 AC15	alkaline phosphatase 15	chr11	protein_coding	
ENSG00000105329.8	-1.4092632	6.9246787	1.19E-06	6.74E-06	52.12	51.07	28.89	2272 TGFBI	transforming growth factor, beta 1	chr19	protein_coding	
ENSG00000171727.10	-5.610469	1.3124893	7.47E-20	1.78E-18	5.07	3.69	0.61	035 CMHR-2ZP1	...	chr11	lincRNA	
ENSG00000107023.10	-1.2698215	1.7468312	3.88E-40	4.43E-38	0	0	0.15	019 CPOX1	exophilin 5	chr19	protein_coding	
ENSG00000105928.12	-1.0586021	3.6701894	0.0003002	0.0012122	5.91	4.22	3.24	325 DNFA5	deafness, autosomal dominant 5	chr17	protein_coding	
ENSG00000196218.10	4.39366316	1.6230126	4.54E-40	3.46E-38	0.32	0.24	3.95	871 RTR1	retinol-like glycosyltransferase 2	chr19	protein_coding	
ENSG0000016298.12	2.0002159	6.9246787	1.93E-07	0.000340293	0.12	0.13	0.27	013 OXDL	oxidized low density lipoprotein receptor type 1	chr22	protein_coding	
ENSG00000250479.7	-1.5074374	7.9898721	2.08E-07	1.34E-06	234.43	276.9	136.92	10155 CHCHD10	coiled-coil-helix-coiled-coil-helix domain containing 10	chr10	protein_coding	
ENSG00000146941.14	1.5241168	2.8222222	1.19E-05	1.16E-04	16.5	15.2	4.76	633 BPTF	brachyury 1, subunit of RNA polymerase II transcription initiation factor IIB	chr10	protein_coding	
ENSG00000123471.17	4.058021	2.2314721	1.67E-26	6.41E-25	0.05	0.03	0.65	102 BDP1	B double prime 1, subunit of RNA polymerase II transcription initiation factor IIB	chr16	protein_coding	
ENSG00000121281.11	-5.7022721	4.2282987	5.18E-52	7.98E-50	4.52	4.88	0.11	013 ADCY7	adenylate cyclase 7	chr16	protein_coding	
ENSG00000260486.12	4.0784647	-0.611776	0.00111161	0.00584723	0	0	0.11	0 TV1	...	chr16	protein_coding	
ENSG00000232484.5	2.073504	-2.272413	0.0132486	0.0331641	0.02	0	0.01	013 ZNF879	zinc finger protein 879	chr5	protein_coding	
ENSG0000009597.15	-1.0770927	10.055584	0.0001454	0.00066885	41.789	413.85	261.4	2623 GANAB	glucosylase, alpha: neutral AB	chr11	protein_coding	
ENSG00000104478.7	1.8739209	2.1982229	1.93E-42	1.13E-40	0.17	0.14	0.68	741 NRP4	FGFR3-binding protein, alpha 5, 50kDa	chr17	protein_coding	
ENSG00000105153.12	-1.2720705	8.18571892	1.04E-05	5.03E-05	384.14	341.77	197.6	28303 CHCHD2	coiled-coil-helix-coiled-coil-helix domain containing 2	chr17	protein_coding	
ENSG00000184261.4	5.5993643	-2.8049519	0.0029022	0.00656312	0	0	0.04	001 KCNK2	potassium channel, type 2, member subfamily K, member 12	chr12	protein_coding	
ENSG00000166978.10	1.2889179	6.9246787	1.93E-05	3.28E-04	0.00	0.78	0.00	018 CALM	calm (calcosin, calcitonin transmembrane)	chr14	protein_coding	
ENSG00000120833.12	3.0043734	0.45070164	3.05E-12	6.33E-11	0.02	0.05	0.38	039 SCS2C	suppressor of cytokine signaling 2	chr14	protein_coding	
ENSG00000105810.10	1.2119139	6.2725083	0.00111161	0.00584723	0.03	0.22	0.05	055 S100A1	S100 calcium binding protein A1	chr16	protein_coding	
ENSG0000027140.14	2.7221039	-2.2522024	0.00281991	0.00408087	0	0	0.1	042 RP11-295D4	...	chr16	protein_coding	
ENSG00000163110.16	182781073	0.5762941	2.00E-10	1.10E-09	0.09	0.09	0.23	062 SMARCA2	SMN/SMN-related, matrix-associated actin-dependent regulator of chromatin, subfamily A, containing DEAD/Box 1	chr4	protein_coding	
ENSG00000137809.15	1.8741731	6.9246787	1.93E-05	3.28E-04	0.00	0.78	0.00	018 FCALD	fibroblast collagen-like 1	chr15	protein_coding	
ENSG00000178295.13	2.3092537	0.6147698	8.52E-09	6.74E-08	0.02	0.06	0.15	037 GEN1	GEN1 Holliday junction 5 flap endonuclease	chr2	protein_coding	
ENSG00000105286.9	2.1802211	0.9921338	4.64E-09	3.72E-08	0.23	0.37	1.96	166 WAS	Wiskott-Aldrich syndrome	chr11	protein_coding	
ENSG0000023899.2	2.0002159	6.9246787	1.93E-05	2.44E-08	0.01	0.04	0.18	015 RP11-54071	...	chr11	lincRNA	
ENSG00000153339.12	3.2996150	0.59557437	5.03E-14	9.24E-13	0.02	0.04	0.18	059 TRAPP8	trafficking protein particle complex 8	chr18	protein_coding	
ENSG00000154864.10	-8.370774	2.5264898	6.11E-52	7.28E-50	0.66	1.01	0	001 PEZC2	pezo-type mechanosensitive ion channel component 2	chr18	protein_coding	
ENSG0000027957.1	-1.0586021	3.6701894	0.0003002	0.0012122	5.91	4.22	3.24	029 CTD-2321P1	...	chr8	TEC	
ENSG0000068827.4	-1.1784165	4.2917597	6.13E-05	0.00025765	4.3	4.7	2.63	226 ZTAF	zinc finger and AT hook domain containing 5	chr8	protein_coding	
ENSG0000011731.11	1.4803707	1.1812299	2.20E-05	0.00010032	0.19	0.17	0.41	056 C2CD5	C2 calcium-dependent domain containing 5	chr12	protein_coding	
ENSG0000016240.13	-2.248954	6.0479697	1.93E-04	2.89E-12	16.97	16.52	4.78	059 TRAPP8	trafficking protein particle complex 8	chr12	protein_coding	
ENSG00000120875.7	-1.1272795	6.0793353	9.58E-05	0.00038897	10.26	9.7	5.92	627 DUSP4	dual specificity phosphatase 4	chr14	protein_coding	
ENSG0000027563.11	5.2441168	2.8222222	1.19E-05	1.16E-04	0.00	0.78	0.00	013 OXDL	oxidized low density lipoprotein receptor type 1	chr12	protein_coding	
ENSG0000040022.8	2.2062362	1.54536401	2.94E-10	2.76E-09	0.2	0.16	1.18	010 STON2	stomatin 2	chr14	protein_coding	
ENSG00000195256.11	3.1064465	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	
ENSG00000268756.11	1.6748829	-1.827836	0.00111161	0.00584723	0	0	0.12	012 ACIOHS3A2	...	chr16	protein_coding	
ENSG00000248890.1	-1.6014249	-1.3250282	2.11E-11	2.27E-10	0.43	0.33	0	0	HHP-AS1	HHP antisense RNA 1	chr4	antisense
ENSG00000194429.9	2.0532873	2.1967334	4.64E-10	4.23E-09	0.21	0.32	0	192 MAP3K5	mitogen-activated protein kinase kinase 5	chr16	protein_coding	
ENSG00000131727.11	1.8739209	2.1982229	1.93E-05	3.28E-04	0.00	0.78	0.00	018 ARHAC20	Rho GTPase activating protein 20	chr11	protein_coding	
ENSG00000505449.4	1.3717816	4.27075025	2.99E-06	1.61E-05	4.51	7.11	14.31	2594 NPF58	NPF58 non-membrane spanning protein	chr10	protein_coding	
ENSG00000152465.16	1.2129388	2.9474227	6.95E-05	0.00028893	0.94	1.59	3.55	426 NMT2	N-methyltransferase 2	chr10	protein_coding	
ENSG0000012286.10	1.8739209	2.1982229	1.93E-05	3.28E-04	0.00	0.78	0.00	018 CALM	calm (calcosin, calcitonin transmembrane)	chr14	protein_coding	
ENSG00000128383.11	-5.1447423	0.04849614	1.35E-20	3.41E-19	0.82	0.93						

ENSG0000018865.9	1.4674989	0.1536487	0.0002833	0.00118768	0.14	0.26	0.65	0.82	DUS4L	dehydratase synthase 4-like (S. cerevisiae)	chr7	protein_coding
ENSG0000018866.1	1.4674989	0.1536487	0.0002833	0.00118768	0.14	0.26	0.65	2.44	SS18L1	synovial sarcoma translocation gene on chromosome 18-like 1	chr20	protein_coding
ENSG0000018406.17	2.403599	0.2845434	1.253	0.88	1.17E-07	0.01	0.07	0.35	EDEM3	ER degradation enhancer, mannosidase alpha-like 3	chr1	protein_coding
ENSG0000015661.12	-1.9090453	5.53995746	1.16E-10	1.13E-09	16.33	15.67	0.62	5.31	STK16	serine/threonine kinase 16	chr1	protein_coding
ENSG00000204876.4	1.9320445	1.8977536	1.08E-07	1.07E-07	0.55	0.87	1.71	0.85	AC022328.2	...	chr16	lincRNA
ENSG00000165448.8	2.00053076	3.64057282	8.27E-11	8.34E-10	0.61	0.64	2.68	4.0	ATMIN	ATM interactor	chr12	protein_coding
ENSG00000181908.5	244195762	-1.7364555	0.0005666	0.0031536	0	0.05	0.25	0.12	AR002774.4	...	chr11	lincRNA
ENSG0000018711.9	1.3224977	0.11736278	6.01E-3	7.78E-12	0.52	0.10	0.57	0.08	PLA2G4C	phospholipase A2, group IVA (cytosolic, calcium-dependent)	chr1	protein_coding
ENSG00000206112.1	1.61906048	-2.2628719	2.70E-05	0.00012094	0.62	0	0.57	0.59	RP11-62020-4	...	chr14	antisense
ENSG00000267280.4	-1.81313765	-2.4940463	7.24E-06	5.66E-08	6.21	5.52	2.34	2.05	TBK2	TBK2 antisense RNA 1	chr12	antisense
ENSG00000120787.1	1.7924615	2.2266611	3.78E-04	1.94E-03	1.35	1.35	0.49	3.78	DOG4L5	DOG4, large (Drosophila) homolog-associated protein 5	chr19	protein_coding
ENSG00000179846.8	5.4500894	7.7755561	1.97E-24	6.54E-23	0.02	0	0.63	0.79	NKPF1	NTPase, KAP family P-loop domain containing 1	chr19	protein_coding
ENSG0000014592.7	1.9320445	1.8977536	1.08E-07	1.07E-07	0.55	0.87	1.71	4.91	LACTB2	lactamase beta 2	chr1	protein_coding
ENSG00000083216.16	1.6309344	4.31362762	4.44E-08	3.12E-07	0.69	0.7	2.16	3.61	TNPO1	transcriptin 1	chr1	protein_coding
ENSG00000278677.1	1.42717934	1.483649	2.19E-05	9.98E-05	2.18	3.89	12.72	8.94	HST1H2AM	histone H2a.1, H2am	chr1	protein_coding
ENSG00000164331.8	1.27400267	1.8891933	0.0001614	0.00023893	0.56	0.42	1.54	2.22	ANKRD2	ankyrin repeat family A (RFXANK)-like 2	chr1	protein_coding
ENSG0000019655.7	1.3208222	2.7834949	5.03E-06	2.59E-05	29.45	26.67	87.59	99.51	NPC2	Niemann-Pick disease, type C2	chr14	protein_coding
ENSG00000214063.9	-1.1398984	6.5786363	8.12E-05	0.00033385	60.17	50.87	35.87	31.34	TSPAN4	transferrin 4	chr11	protein_coding
ENSG0000014047.19	-1.4318977	1.4442792	1.08E-37	7.02E-35	0.26	0.12	0.25	0.25	RP11-52182-1	...	chr14	TEC
ENSG00000279495.1	1.6337282	0.2751626	5.18E-05	0.00022046	0.16	0.19	0.58	0.89	RP11-52182-1	...	chr14	TEC
ENSG00000143951.14	-1.9595662	0.38607241	6.19E-07	4.78E-06	0.02	0.07	0.22	0.27	WDRPCP	WD repeat containing planar cell polarity effector	chr12	protein_coding
ENSG0000006497.10	3.20139439	2.149573	2.09E-05	9.41E-05	0.03	0.01	0.03	0.10	SERTAD4	SERTA domain containing 4	chr19	protein_coding
ENSG00000101336.11	3.49926079	-1.7117103	4.94E-05	0.00019431	0.02	0.02	0.22	0.2	HCK	HCK proto-oncogene, Src family tyrosine kinase	chr19	protein_coding
ENSG0000018291.12	1.47669199	1.48090532	1.17E-05	5.59E-05	0.21	0.15	0.48	0.07	TMEM19	transmembrane protein 19	chr12	protein_coding
ENSG0000026531.11	1.67645636	3.94390794	8.86E-45	5.97E-44	0.53	2.98	0.05	0.02	RSL1D1	ret gene nuclear dot association stimulator-like 3	chr19	protein_coding
ENSG00000201095.5	2.401895	-1.3023998	0.0001901	0.00043503	0.02	0.01	0.08	0.11	RP11-11501-1	...	chr4	antisense
ENSG00000104217.10	2.0373318	-0.8166627	9.73E-05	0.00039818	0.04	0.03	0.26	0.33	C23CA1A	zinc finger, C2HC-type containing 1A	chr9	protein_coding
ENSG00000107362.12	2.42293196	0.02764436	6.50E-08	4.48E-07	0.09	0.07	0.42	0.72	ABHD17B	abhydrolase domain containing 17B	chr4	protein_coding
ENSG00000214562.8	-1.1151766	6.6795406	0.0001917	0.00033559	104.33	96.99	64.95	58.75	SNRPC	small nuclear ribonucleoprotein polypeptide C	chr4	protein_coding
ENSG0000016498.7	3.0782835	-2.018793	0.0004481	0.00132013	0	0.03	0.2	0.13	ITPRP1	inositol trisphosphate receptor, nicotinic, alpha 1, ryanodine receptor type 3	chr19	protein_coding
ENSG00000178904.17	1.71461973	0.59997958	5.94E-06	3.01E-05	0.06	0.08	0.23	0.34	DPP19L3	dpp-19-like 3 (C. elegans)	chr19	protein_coding
ENSG00000197415.10	1.68912621	-1.3238966	0.0003929	0.0106382	0.05	0	0.28	0.12	VEPFI1	ventricular zone expressed PH domain-containing 1	chr12	protein_coding
ENSG0000016694.12	1.0821929	2.884513	0.011567	0.022186	0.05	0.04	0.2	0.25	CHR16M2A	RNA7 (retroviral) receptor, nicotinic, alpha 7, ryanodine receptor 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	chr16	protein_coding
ENSG0000011432.4	-4.7717033	3.67400448	4.67E-40	3.55E-38	6.14	6.02	2.09	4.27	FZD10	frizzled class receptor 10	chr15	protein_coding
ENSG0000016702.10	1.2905959	5.7651172	8.86E-46	3.55E-44	14.38	13.05	13.05	13.05	TRAF102B	TRAF1 domain family, member 2B	chr16	protein_coding
ENSG00000102541.6	1.76745636	3.94390794	8.86E-45	5.97E-44	3.45	2.47	1.77	2.06	FZD10	frizzled class receptor 10	chr16	protein_coding
ENSG0000017493.19	2.2479301	4.05281879	2.39E-13	3.18E-12	0.46	0.49	2.7	3.36	AF1	AF4/FMR2 family, member 1	chr4	protein_coding
ENSG00000103979.13	1.2905959	5.7651172	8.86E-45	5.97E-44	3.45	2.47	1.77	2.06	FZD10	frizzled class receptor 10	chr16	protein_coding
ENSG00000174799.9	2.9111788	0.06959208	4.22E-07	2.59E-06	0.02	0.06	0.11	0.39	CELSR3	cestralless protein 155kDa	chr12	protein_coding
ENSG00000168686.11	-2.3267993	-2.4471895	0.0026956	0.0485277	0.07	0.02	0.02	0.01	MYO1A	myosin IA	chr12	protein_coding
ENSG00000130203.8	2.2423498	3.4482163	3.01E-20	2.64E-12	16.86	16.82	1.2	1.82	AFK1	activator protein E	chr12	protein_coding
ENSG00000108471.11	1.82959	0.4046673	2.10E-06	1.15E-05	0.02	0.36	0.73	1.03	DHX58	DEKH (Asp-Glu-X-His) box protein 58	chr17	protein_coding
ENSG0000016525.16	2.3954279	2.66895082	1.81E-13	2.45E-12	0.23	0.27	1.1	2.46	NEMO	non-selective export mediator factor	chr14	protein_coding
ENSG00000162395.1	1.8962242	-2.9832288	3.01E-20	0.00140026	0.02	0.18	0	0.02	RP11-21689-1	...	chr17	protein_coding
ENSG00000175348.8	-1.148531	4.7049899	8.26E-05	0.00033936	25.37	25.33	14.63	15.86	LSM1	LSM1, U6 small nuclear RNA associated	chr8	protein_coding
ENSG0000018291.12	-1.4924851	1.71596612	5.20E-06	2.66E-05	1.47	1.3	0.73	0.58	TRX1	T-box 1	chr22	protein_coding
ENSG00000121967.7	1.92345418	1.45295984	3.29E-46	3.00E-38	2.75	2.21	0.2	0	MAGEA3	magasin-associated family A3	chr1	protein_coding
ENSG00000133475.15	-8.0292978	-0.9428312	5.27E-14	7.56E-13	0.42	0.25	1.0	0	GOT2	gamma-glutamyltransferase 2	chr22	protein_coding
ENSG00000098139.12	1.76544477	0.13091396	1.25E-35	7.9E-34	0.4	0	0	0	PCSK5	proprotein convertase subtilisin/kexin type 5	chr12	protein_coding
ENSG00000167512.13	-1.073003	8.78387787	0.00018833	0.00070721	307.01	280.14	185.37	186.65	FPP5	farnesyl pyrophosphate synthase 5	chr1	protein_coding
ENSG0000024125.3	-1.1760255	4.72243882	5.67E-05	0.00023954	11.56	11.08	7.72	5.58	SNHG3	small nuclear RNA host gene 3	chr1	sense_intronic
ENSG00000182211.8	1.8653018	2.8166627	9.73E-05	0.00039818	0.04	0.03	0.26	0.33	C23CA1A	zinc finger, C2HC-type containing 1A	chr9	protein_coding
ENSG00000198162.11	2.39990502	3.57766831	1.96E-14	2.94E-13	0.3	0.42	1.61	2.85	MAN1A2	mannosidase, alpha class 1A, member 2	chr1	protein_coding
ENSG0000027831.1	2.6856927	0.5261302	1.54E-10	1.50E-09	0.03	0.06	0.31	0.46	RP11-339E3-1	...	chr10	antisense
ENSG00000171791.1	1.82959	0.4046673	2.10E-06	1.15E-05	0.02	0.36	0.73	1.03	DHX58	DEKH (Asp-Glu-X-His) box protein 58	chr17	protein_coding
ENSG00000162632.12	4.46014382	-0.1256314	6.12E-15	9.74E-14	0.01	0	0.12	0.08	SIXBP4	syntaxin binding protein 3	chr10	protein_coding
ENSG00000132634.14	2.8125874	3.8890257	2.72E-18	5.74E-17	1.09	0.82	9.6	7.76	REF2	refectin accessory protein 2	chr16	protein_coding
ENSG00000103032.12	1.0821929	2.884513	0.011567	0.022186	0.05	0.04	0.2	0.25	CHR16M2A	RNA7 (retroviral) receptor, nicotinic, alpha 7, ryanodine receptor 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	chr16	protein_coding
ENSG00000182632.12	-2.6278	-2.6445964	0.0052196	0.0122223	0.02	0.01	0	0	GIN1	girdlerin	chr12	protein_coding
ENSG0000015434.9	1.92345418	1.45295984	3.29E-46	3.00E-38	2.75	2.21	0.2	0	MAGEA3	magasin-associated family A3	chr1	protein_coding
ENSG00000162919.1	-1.14405636	-1.5146779	0.0020374	0.0103863	0.3	0.51	0	0.37	C10orf45	chromosome 10 open reading frame 145	chr1	protein_coding
ENSG0000017702.13	2.2392154	-0.6328739	0.0010345	0.029949	0.83	0.47	2.67	1.49	RP11-44822-2	...	chr12	processed_transcript
ENSG0000006654.12	1.25649071	0.13091396	1.25E-35	7.9E-34	0.4	0	0	0	PCSK5	proprotein convertase subtilisin/kexin type 5	chr12	protein_coding
ENSG00000202253.1	1.50045234	1.0687256	1.28E-06	7.22E-06	1534.18	3064.91	9104.66	6898.95	NM-ATP8	mitochondrially encoded ATP synthase 8	chrM	protein_coding
ENSG00000182890.2	2.9231927	1.86330082	4.46E-14	6.45E-13	0.06	0.13	0.91	1.02	EHPH3	EHP3 receptor 3	chr3	protein_coding
ENSG0000018708.11	1.82959	0.4046673	2.10E-06	1.15E-05	0.02	0.36	0.73	1.03	DHX58	DEKH (Asp-Glu-X-His) box protein 58	chr17	protein_coding
ENSG0000026821.1	5.50460151	2.3801263	6.11E-37	3.89E-35	0	0	0.09	0.13	KCNQ10T1	KCNQ1 co-solute strand/antisense transcript 1 (non-protein coding)	chr10	antisense
ENSG00000098194.5	1.0426986	9.48244001	0.00027832	0.00101954	67.01	75.22	183.79	209.88	SDO2	solute carrier family 7 (amino acid transporter/antiporter 3), member 3 regulator 2	chr16	protein_coding
ENSG00000135171.1	1.82959	0.4046673	2.10E-06	1.15E-05	0.02	0.36	0.73	1.03	DHX58	DEKH (Asp-Glu-X-His) box protein 58	chr17	protein_coding
ENSG00000163129.1	2.08439766	0.1035679	1.24E-06	7.02E-06	0.04	0.13	0.4	0.56	HELO2	helicase, PQLQ-like	chr4	protein_coding
ENSG00000163251.14	-1.9595662	0.38607241	6.19E-07	4.78E-06	0.02	0.07	0.22	0.27	WDRPCP	WD repeat containing planar cell polarity effector	chr12	protein_coding
ENSG00000147851.10	1.67645636	3.94390794	8.86E-45	5.97E-44	3.45	2.47	1.77	2.06	FZD10	frizzled class receptor 10	chr16	protein_coding
ENSG0000013897.11	-4.8079387	-3.2306764	0.00189873	0.04191957	0.01	0.03	0	0	ACVRL1	activin A receptor type II-like 1	chr12	protein_coding
ENSG00000101505.5	1.92345418	1.45295984	3.29E-46	3.00E-38	2.75	2.21	0.2	0	MAGEA3	magasin-associated family A3	chr1	protein_coding
ENSG00000128340.13	-4.6158336	-1.9252317	2.62E-06	1.42E-05	0.26	0.07	0.02	0	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	chr12	protein_coding
ENSG00000172602.8	3.3469198	-0.0470353	1.96E-11	2.15E-10	0.1	0.05	0.86	1.18	RND1	Rho family GTPase 1	chr12	protein_coding
ENSG00000197038.4	1.7624547	0.13091396	1.25E-35	7.9E-34	0.4	0	0	0	PCSK5	proprotein convertase subtilisin/kexin type 5	chr12	protein_coding
ENSG00000145990.9	-1.0426403	2.64820699	0.0006545	0.00223554	0.71	0.57	0.35	0.48	GFO1	glucose-fructose oxidoreductase domain containing 1	chr1	protein_coding
ENSG0000023194.1	-6.8924408	-2.8371288	0.0006535	0.0009747	0.34	0.16	0	0	RP1-313L4.3	...	chr1	antisense
ENSG00000131441.14	1.3544502	2.2186369	1.9E-05	9.07E-05</								

ENSG0000013953.15	1331864	1.0676834	0.00016048	0.0006131	0.09	0.1	0.17	0.46	XPO4	exportin 4	chr13	protein_coding
ENSG0000013538.17	-65104	0.7164	0.00016048	0.0006131	0.09	0.1	0.17	0.46	DISC large homolog 4 (Drosophila)	chr13	protein_coding	
ENSG000001577.14	-8809534	3.99858158	1.01E-7	4.40E-69	7.04	6.16	0	0	C6orf223	chromosome 6 open reading frame 223	chr13	protein_coding
ENSG0000016644.11	-1.986444	9.7074936	1.50E-11	1.73E-10	19.17	149.36	58.33	56.12	RPL27A	ribosomal protein L27a	chr11	protein_coding
ENSG000001857.15	2.435295	1.586647	1.98E-07	6.98E-47	0.48	0.48	0	0	HBP2	hemoglobin beta 2	chr11	protein_coding
ENSG0000023741.1	1.3859397	-1.073804	0.00989833	0.02503712	0.03	0.03	0.1	0.1	CTD-229P1	CTD-229P1	chr8	antisense
ENSG00000254788.5	2.18513157	-1.456138	0.00061439	0.00211279	0.02	0.11	0.44	0.4	CKF-CMTM	CKF-CMTM1 readthrough	chr16	protein_coding
ENSG000001754.12	6.32621366	1.957641	1.98E-07	6.98E-47	0.48	0.48	0	0	DNTP2	de novo nucleotide diphosphate terminal, interacto protein 2	chr16	protein_coding
ENSG00000187112.12	6.32621366	1.957641	1.98E-07	6.98E-47	0.48	0.48	0	0	HOXD11	homeobox D11	chr16	protein_coding
ENSG00000131375.8	1.8629623	1.43584435	8.23E-08	5.98E-07	0.18	0.23	0.66	1.38	CAPP7	calpain 7	chr9	protein_coding
ENSG0000026575.5	1.3859397	-1.073804	0.00989833	0.02503712	0.03	0.03	0.1	0.1	ITKIN11	itkin11	chr19	protein_coding
ENSG00000071611.3	-1.8533841	5.89384278	3.22E-10	3.01E-09	18.21	18.18	6.93	6.47	GBA2	glucosylase, beta feta acid 2	chr9	protein_coding
ENSG00000141714.10	-2.251222	6.7832907	3.85E-04	0.0004174	0.14	1.5	20.22	18.41	CD33	CD33-associated protein	chr17	protein_coding
ENSG00000181611.11	1.2428363	0.492905	0.0063802	0.01727626	0.02	0.12	0.19	0.23	GNR135	G protein-coupled receptor 135	chr14	protein_coding
ENSG00000198067.7	2.28173945	0.48633568	1.62E-08	1.20E-07	0.03	0.1	0.44	0.43	CD2AP	CD2-associated protein	chr14	protein_coding
ENSG0000019996.12	-1.367335	9.7496104	4.81E-06	6.29E-05	5.48	6.5	11.7	3.02	BTB16	zinc finger and BTB domain containing 16	chr11	protein_coding
ENSG0000027954.1	5.36404116	-2.802277	0.0290522	0.0856312	0	0	0.18	0.03	RPL1-950C1	ribosomal protein L1-950C1	chr14	TEC
ENSG0000009830.10	-1.2989563	6.46001754	9.45E-06	4.61E-05	6.07	5.68	3.4	2.97	POMT2	protein-O-mannosyltransferase 2	chr14	protein_coding
ENSG00000205426.9	-2.197326	1.9802557	1.77E-11	2.98E-10	3.33	2.90	0.6	0.97	KRT81	keratin 81, type I	chr12	protein_coding
ENSG00000197647.10	-6.933974	-1.883698	8.18E-08	5.55E-07	0.19	0.12	0	0	ZNF433	zinc finger protein 433	chr17	protein_coding
ENSG00000141232.4	2.24980024	4.71796022	1.17E-13	1.62E-12	2.76	3.11	0	1.63	L0B1	transducer of ERBB2, 1	chr17	protein_coding
ENSG00000167653.4	4.942425	9.2524176	0.03E-02	9.80E-01	31.23	31.77	100.33	90.39	FSCA	prostate stem cell antigen	chr17	protein_coding
ENSG0000023560.3	-1.172019	1.66373092	0.0005856	0.00177434	2.08	1.72	0	1.3	ACO231012	ACO231012	chr16	antisense
ENSG000002149116	1.8143929	5.5702767	2.26E-10	2.15E-09	21.01	19.4	0.76	6.93	TOX2	TOX high mobility group box family member 2	chr20	protein_coding
ENSG00000277423.1	2.9596992	1.7322997	0.0014075	0.00487247	0	0	0.14	0.02	RPL1-173P1	ribosomal protein L1-173P1	chr16	protein_coding
ENSG0000069895.4	-2.416431	-1.345730	2.93E-05	0.0013052	0.84	0.6	0.1	0.25	PAGE1	P antigen family member 1 (prostate associated)	chr9	protein_coding
ENSG00000147899.15	1.5918336	9.2367603	4.38E-06	3.07E-07	219.55	251.66	112.59	85.25	CDKN2B	cyclin-dependent kinase inhibitor 2B	chr12	protein_coding
ENSG0000016929.12	1.0700768	1.28331543	0.0029927	0.00881199	0.42	0.32	0.77	1.22	PGM2	phosphoglucomutase 2	chr4	protein_coding
ENSG0000054219.10	6.986494	-1.693602	3.05E-08	2.18E-07	0	0	0	0.13	1775	lysophosphatidase antigen 75	chr11	protein_coding
ENSG0000027899.1	-5.527637	-2.860646	0.0018008	0.0049521	0	0.12	0	0	RPL1-762L1	ribosomal protein L1-762L1	chr11	TEC
ENSG0000024338.1	3.89971871	-2.024731	3.06E-05	0.0013563	0	0.01	0.19	0.14	RPL1-466F5	ribosomal protein L1-466F5	chr11	antisense
ENSG0000017189.11	1.16781	2.880382	0.00019519	0.0006219	0.25	0.48	1.11	1.61	PRKMA3	protein kinase M3	chr2	protein_coding
ENSG0000015832.17	-1.962584	3.51612542	1.37E-10	1.34E-09	5.16	4.91	1.46	1.99	PDI	protein disulfide isomerase	chr2	protein_coding
ENSG00000219367.7	1.16781	2.880382	0.00019519	0.0006219	0.25	0.48	1.11	1.61	PRKMA3	protein kinase M3	chr2	protein_coding
ENSG0000029940.2	-2.5757546	-2.024731	0.0006878	0.00209711	0.06	0.27	0	0.06	CTD-302P2	CTD-302P2	chr16	antisense
ENSG00000152223.11	1.005085	2.661707	0.0016914	0.00347011	0.25	0.28	0.72	0.7	EPG5	ectopic P-glycoprotein autophagy protein 5 homolog (C. elegans)	chr18	protein_coding
ENSG00000179542.5	-5.4909165	-3.3562292	1.30E-45	1.39E-43	3.55	3.91	0.11	0.11	STR1	somatostatin receptor 1	chr10	protein_coding
ENSG00000139475.16	-1.9062571	-1.3979174	0.0014223	0.00439562	0.11	0.11	0.06	0.01	ClorB9	chromosome 10 open reading frame 90	chr14	protein_coding
ENSG00000168237.16	1.1727875	1.282102	0.00019519	0.0006219	0.25	0.48	1.11	1.61	PRKMA3	protein kinase M3	chr2	protein_coding
ENSG00000270644.4	-3.175853	-2.866492	0.0135662	0.0398166	0.15	0.19	0	0.04	HCG17	HLA complex group 17 (non-protein-coding)	chr11	lincRNA
ENSG00000182103.4	5.7728495	-2.546309	0.0002635	0.0003947	0	0	0.04	0	RPL181B	ribosomal protein L181, member B	chr11	protein_coding
ENSG0000011244.13	4.4622465	0.40242526	0.00019519	0.0006219	0.25	0.48	1.11	1.61	PRKMA3	protein kinase M3	chr2	protein_coding
ENSG00000186577.10	-1.206248	3.6023315	5.31E-05	0.0002254	10.41	7.23	0.64	4.13	C6orf1	chromosome 6 open reading frame 1	chr13	protein_coding
ENSG00000185950.8	-2.0269318	4.9879342	1.22E-11	1.95E-10	1.49	1.57	1.35	1.98	RSC1	ribosomal protein subunit 2	chr18	protein_coding
ENSG00000186986.11	-1.8578194	-0.4923215	9.92E-06	4.77E-05	0.34	0.27	0.15	0.08	ATAD3C	ATPase family, AAA domain containing 3, pseudogene	chr17	protein_coding
ENSG00000215915.8	1.8210017	4.8326916	1.88E-11	2.04E-10	0.02	0.02	0.01	0.02	HAUS5	hemagglutinin-like complex, subunit 3	chr16	protein_coding
ENSG00000173429.9	1.29254946	3.76601287	7.75E-06	3.89E-05	25.25	26.92	81.18	89.23	FAM192A	family with sequence similarity 192, member A	chr16	protein_coding
ENSG00000252513.1	2.2429093	0.2880184	8.03E-08	5.47E-07	0.37	0.3	0.29	1.91	TOLLIP-AS1	TOLLIP antisense RNA 1 (read to head)	chr11	antisense
ENSG0000017025.3	3.420543	5.256614	0.00019519	0.0006219	0.25	0.48	1.11	1.61	PRKMA3	protein kinase M3	chr2	protein_coding
ENSG00000607502.16	1.38693951	1.8106749	2.44E-05	0.0001054	0.31	0.3	0.57	1.56	ERGIC2	ERGIC and oxa1 2	chr12	protein_coding
ENSG00000186629.9	-8.017617	2.0133048	1.50E-45	1.58E-43	4.55	3.96	0.06	0	ICAM2	intercellular adhesion molecule 2	chr17	protein_coding
ENSG00000189313.13	1.784141	7.861114	1.21E-06	1.72E-05	17.42	19.0	0.7	44.51	ATIC	5-aminolevulinic acid-carboxymethylcarnitine:ribonucleotide formyltransferase/IMP cyclohydrolase	chr17	protein_coding
ENSG00000162714.11	-1.4428711	-1.62606285	7.04E-07	4.15E-06	11.44	16.57	8.34	8.3	ZNF496	zinc finger protein 496	chr17	protein_coding
ENSG00000218720.7	-1.374002	1.5839903	2.81E-05	0.0012546	1.74	1.84	0.83	1.01	CTC-524C5	CTC-524C5	chr17	antisense
ENSG00000179543.13	2.613461	-2.630787	0.00019519	0.0006219	0.25	0.48	1.11	1.61	PRKMA3	protein kinase M3	chr2	protein_coding
ENSG00000189410.10	-1.278178	1.31595714	0.0013065	0.00051368	0.87	0.6	0.27	0.54	SH2D5	SH2 domain containing 5	chr10	protein_coding
ENSG0000021507.6	1.1674223	4.8326916	1.88E-11	2.04E-10	0.02	0.02	0.01	0.02	HAUS5	hemagglutinin-like complex, subunit 3	chr16	protein_coding
ENSG0000007891.20	8.6889676	-1.1883369	1.90E-18	4.07E-17	0	0	0	0.39	PAX2	paired box 2	chr10	protein_coding
ENSG00000139571.11	-5.922143	-4.8326916	4.61E-54	8.13E-52	4.84	5	0.11	0.11	DPY3L3	dihydropyrimidinase-like 3	chr5	protein_coding
ENSG0000014738.12	1.1674223	4.8326916	1.88E-11	2.04E-10	0.02	0.02	0.01	0.02	HAUS5	hemagglutinin-like complex, subunit 3	chr16	protein_coding
ENSG00000126091.18	-1.3571465	3.4011395	6.58E-06	3.30E-05	5.09	4.8	2.77	2.37	STGAL3	salivary gland alpha-2,3-sialyltransferase 3	chr16	protein_coding
ENSG00000140945.14	-2.1901671	-6.1973771	1.92E-13	2.59E-12	9.62	9.83	2.38	3.23	CDH13	cadherin 13	chr16	protein_coding
ENSG00000185369.10	-1.986902	0.0019798	0.00019519	0.0006219	0.25	0.48	1.11	1.61	PRKMA3	protein kinase M3	chr2	protein_coding
ENSG00000268912.4	4.87317439	-3.0678699	0.0189873	0.0451957	0	0	0	0.36	AD000912.1	AD000912.1	chr17	lincRNA
ENSG00000270771.1	4.1047632	-1.2454016	9.32E-08	6.27E-07	0	0.03	0.43	0.29	RPL1-348P1	ribosomal protein L1-348P1	chr17	lincRNA
ENSG00000125317.9	1.32643624	0.9471787	0.00019519	0.0006219	0.25	0.48	1.11	1.61	PRKMA3	protein kinase M3	chr2	protein_coding
ENSG0000038530.7	3.71156115	-1.3924071	4.49E-10	4.11E-09	0	0.26	0.3	0.31	CYP46A1	cytochrome P450, family 4, subfamily A, cytochrome P4	chr14	protein_coding
ENSG00000219311.4	-6.6259197	-1.02226	5.55E-2	1.44E-19	0.21	0.1	0.26	0.01	IRIF1	ligand dependent nuclear receptor interacting factor 1	chr10	protein_coding
ENSG00000151461.18	1.4594273	3.1618796	2.31E-07	1.98E-08	0.46	0.76	2.36	2.36	LPZ2	lipid transfer regulator of nonsense transcripts homolog (yeast)	chr14	protein_coding
ENSG00000174007.7	2.8369327	1.3483824	2.99E-14	4.41E-13	0.21	0.23	1.63	2.57	CEP19	centrosomal protein 19kDa	chr3	protein_coding
ENSG00000189644.15	1.8210017	4.8326916	1.88E-11	2.04E-10	0.02	0.02	0.01	0.02	HAUS5	hemagglutinin-like complex, subunit 3	chr16	protein_coding
ENSG00000268978.1	2.2491174	-2.5414026	0.00212375	0.0483865	0.21	0.23	1.63	1.96	SNORA51	small nucleolar RNA, H/ACA box 51	chr3	snRNA
ENSG00000254815.4	2.4618993	-1.4672929	0.00025672	0.00092519	0	0.06	0.19	0.28	RPL1-496B1	ribosomal protein L1-496B1	chr11	antisense
ENSG0000017025.3	1.1338412	1.5703444	0.00019519	0.0006219								

ENSG00000175714	5.4500774	-2.7494288	0.0019808	0.0049521	0	0	0.03	0.13	LRRC34	leucine rich repeat containing 34	chr3
ENSG00000183565	1.5110118	-1.5110118	0.00118	0.00118	18.07	15.4	0.05	0.13	SRFBP1	SRFBP1 nuclear receptor subfamily 3, group A, member 1	chr20
ENSG00000149300	-8.4767682	-5.7888146	8.756	8.7	3.94	40.7	36.22	0.14	PAH3A3	prolyl 4-hydroxylase, alpha polypeptide III	chr11
ENSG00000148484	-2.1186201	9.5244857	7.762	13	9.84	12	29.16	89.54	VARS	tyrosyl-tRNA synthetase	chr1
ENSG00000177122	1.5209384	2.0015639	5.44	5.4	0.05	0.05	0.05	13.32	MLXIP	MLX-interacting protein	chr12
ENSG00000179428	-5.9963854	-2.969315	0.0001448	0.0005423	0.22	0.06	0	0	AC030725	X intron 1	chr7
ENSG00000185213	2.0061934	3.1379396	5.12	16	8.92	15	0.24	4.64	DNAC12	DnaI (Hsp40) homolog, subfamily C, member 2	chr12
ENSG00000171414	-1.1931667	-1.4403712	2.286	0.9	1.91E-08	7.83	8.63	3.4	DNAC17	long interspersed non-protein coding RNA 536	chr12
ENSG00000153252	-1.7931667	-1.4403712	2.286	0.9	1.91E-08	7.83	8.63	3.4	DNAC17	docking protein 1, G2bDa (downstream of tyrosine kinase 1)	chr12
ENSG00000158272	3.5973203	5.0476887	4.00E-15	6.44E-14	0.00	0.04	0.01	0.43	DCAP17	DBP1 and CUL4 associated factor 17	chr2
ENSG00000189176	2.2624905	-0.9752574	0.0022854	0	0	0.04	0.04	0.14	ADARB2	adenosine deaminase, RNA-specific (non-functional)	chr5
ENSG00000267121	1.0449697	1.06834761	0.0021959	0.0014315	0.45	0.65	1.28	1.76	RP11-295D4	--	chr16
ENSG00000180726	1.2964949	2.0015639	5.44	5.4	0.05	0.05	0.05	1.11	307 SMM15	small integral membrane protein 15	chr9
ENSG00000204103	-2.7530435	-1.2535356	4.95E-06	2.55E-05	0.26	0.32	0.06	0.06	GVQV1	GVQW motif containing 1	chr9
ENSG00000125945	1.0870107	2.59061907	0.0042969	0.0015217	0.61	0.79	1.54	2.34	ZNF436	zinc finger protein 436	chr1
ENSG00000182615	1.9949495	2.0985464	1.15E-06	6.52E-06	0.94	1.12	0.07	0.07	MMI4	N-myc family intracellular protein 4	chr15
ENSG00000140433	7.52281736	-1.2094832	3.23E-11	3.41E-10	0	0	0.07	0.19	ATPB8A	Ntase, class I, type B, member 4	chr15
ENSG00000230257	-1.9469037	0.42608014	3.19E-27	1.28E-25	1.72	2.33	0	0	NFE4	nuclear factor, erythroid 4	chr7
ENSG00000163144	-1.7447674	3.1426722	9.21E-57	1.74E-54	13.51	13	0	0.1	CXCL3	chemokine (C-X-C motif) ligand 3	chr4
ENSG00000204585	-1.8031011	3.7708096	2.49E-09	2.07E-08	7.3	6.78	2.63	2.75	LINC01123	long interspersed non-protein coding RNA 1123	chr2
ENSG0000016005	2.0149072	5.53099708	1.29E-11	1.43E-10	2.44	2.28	10.44	15.67	PYCOX3	prenylation oxidase 1	chr2
ENSG00000178201	-1.6163984	-1.9660295	4.23E-06	4.72E-05	0.49	0.43	0.03	0.02	WDNR6	WD repeat domain 6	chr2
ENSG00000243974	-5.1633981	0.6467021	1.55E-24	5.17E-23	1.33	1.11	0.02	0.07	LINC01272	long interspersed non-protein coding RNA 1272	chr20
ENSG00000128683	3.2660951	1.1356481	3.41E-16	6.02E-15	0.06	1.03	1.06	1.06	GAD1	glutamate decarboxylase 1 (brain, 67kDa)	chr2
ENSG00000183964	1.2809842	5.9566266	4.72E-06	4.72E-05	0.49	0.43	0.03	0.17	TGFB2	transforming growth factor beta 2	chr2
ENSG00000231495	5.3294493	-2.821228	0.0029052	0.00856312	0	0	0.21	0.19	RP4-535B20	--	chr2
ENSG00000231641	4.9618856	-0.0272768	1.23E-16	2.30E-15	0.02	0.02	0.02	0.14	AC020693	--	chr12
ENSG00000258562	2.2481095	-2.541003	0.0192317	0.049365	0	0.07	0.16	0.3	RP11-87C12	--	chr12
ENSG00000259201	-1.9782845	-0.9889937	1.13E-13	1.56E-12	1.19	0.65	0	0	RP11-297H1	--	chr12
ENSG000001649314	1.9949495	2.0985464	0.0024077	0.0008906	26.37	27.43	17.67	16.76	RRP1	ribosomal domain and PHD finger containing 1	chr4
ENSG00000238483	3.9923335	-2.0276299	3.06E-05	0.0001363	0.01	0	0.11	0.11	RMDN2-AS1	RMDN2 antisense RNA 1	chr2
ENSG00000173087	-1.9426462	6.5986856	4.40E-11	4.67E-10	46.31	43.89	14.96	16.34	TMM261	transmembrane protein 261	chr12
ENSG00000189214	1.5673769	-0.0392939	2.91E-11	3.26E-10	0	0	0.05	0.29	GALNT6	glucosyltransferase 6	chr19
ENSG00000174044	2.8048467	-1.481136	6.51E-05	0.0002749	0.04	0	0.27	0.15	NRR05	negative regulator of reactive oxygen species 5	chr3
ENSG00000189012	2.2682462	5.9566266	4.72E-06	4.72E-05	0.49	0.43	0.03	0.02	RP11-60C22	--	chr15
ENSG00000279185	3.0244979	-2.5851137	0.0043894	0.0246991	0	0	0.01	0	CTA-952C5	--	chr12
ENSG00000211584	-1.2260198	5.6473145	2.44E-05	0.00011039	0.56	13.28	8.77	7.71	SLC48A1	solute carrier family 48 (heme transporter), member 1	chr12
ENSG00000204971	1.9949495	2.0985464	0.0024077	0.0008906	26.37	27.43	17.67	16.76	ZCWPY2	zinc finger, CW type with zinc 1 WWF domain 2	chr12
ENSG00000168876	5.3772961	0.7153143	7.58E-23	2.24E-21	0.02	0.02	0.58	0.02	ANKRD49	ankyrin repeat domain 49	chr11
ENSG00000162151	-2.5461733	2.05102705	5.06E-14	7.28E-13	1.98	1.44	0.02	0.49	RP11-195F11	--	chr19
ENSG00000188811	1.9949495	2.0985464	0.0024077	0.0008906	26.37	27.43	17.67	16.76	ANKRD49	ankyrin repeat domain 49	chr11
ENSG00000103108	-1.1313248	5.0842228	1.13E-24	1.56E-19	9.89	10.4	0.02	0.02	ANKRD49	ankyrin repeat domain 49	chr11
ENSG00000169130	-1.6920666	5.9540049	8.82E-09	6.82E-08	22.9	22.11	9.48	9.07	WDR4	WD repeat domain 4	chr21
ENSG00000149486	1.2194444	-4.424224	2.48E-16	5.13E-16	0.01	0.01	0.02	0.01	ANKRD2	ankyrin repeat domain 2-hook 2	chr21
ENSG00000211966	-1.009382	5.3041007	1.61E-30	1.76E-17	34.01	29.42	0.06	0.01	CXCR4	chemokine (C-X-C motif) receptor 4	chr2
ENSG00000243241	-1.571465	-1.986817	0.0065391	0.0176746	0.28	1.08	0.06	0.1	RP5-1157M2	--	chr2
ENSG00000233175	2.9219848	-1.986817	7.93E-12	8.46E-11	0.15	0.18	0.02	0.21	CTD-202B1	--	chr17
ENSG00000230862	6.37894316	-1.244774	5.19E-06	2.66E-05	0	0	0.36	0.57	MCF2L-AS1	MCF2L antisense RNA 1	chr13
ENSG0000016738	-1.22785	-1.22785	2.74E-05	0.0001274	17.23	12.55	6.82	8.81	CNBN1P1	5-hydroxytryptamine (serotonin) receptor 2A, ionotropic	chr14
ENSG00000202120	1.1794706	0.7827243	0.0096449	0.0031723	0.34	0.27	0.77	0.27	ANKRD1	ankyrin repeat domain 1	chr14
ENSG00000207865	1.9963474	2.0985464	0.0024077	0.0008906	26.37	27.43	17.67	16.76	ANKRD1	nuclear receptor subfamily 1, group C, member 1	chr11
ENSG00000149311	4.9612077	2.0985464	0.0024077	0.0008906	26.37	27.43	17.67	16.76	ANKRD1	ATM serine/threonine kinase	chr11
ENSG00000146476	3.0907849	0.50237261	1.22E-12	1.52E-11	0.08	0.09	0.43	1.52	C6orf211	zinc finger protein 532	chr16
ENSG0000015310	1.4932438	5.9540049	8.82E-09	6.82E-08	22.9	22.11	9.48	9.07	WDR4	WD repeat domain 4	chr21
ENSG00000201982	-1.229445	5.3742563	2.02E-05	9.24E-05	10.42	76.61	5.04	49.83	RP4-6140A1	--	chr12
ENSG00000143462	2.8590762	2.4478007	3.49E-17	6.67E-16	0.26	0.19	1.51	2.96	KCTD2	apical cell transforming 2	chr9
ENSG00000183968	1.672064	5.9540049	8.82E-09	6.82E-08	22.9	22.11	9.48	9.07	WDR4	WD repeat domain 4	chr21
ENSG00000106710	3.5649489	-1.6623614	2.93E-05	0.00013031	0.01	0.03	0.06	0.02	FSD1	fibronectin type III and SPRY domain containing 1-like	chr9
ENSG00000142147	-1.2036391	3.6510662	5.51E-05	0.0002356	1.6	1.51	0.9	0.19	GRP161	G-protein-coupled receptor 161	chr1
ENSG00000170719	1.9949495	-0.0392939	2.91E-11	3.26E-10	0	0	0.05	0.29	ANKRD2	ankyrin repeat domain containing 2	chr1
ENSG00000183944	5.3773176	-0.921847	6.98E-11	7.41E-10	0	0	0.12	0.19	ABAT	4-aminobutyrate aminotransferase	chr16
ENSG00000109742	1.9949495	2.0985464	0.0024077	0.0008906	26.37	27.43	17.67	16.76	ANKRD2	ankyrin repeat domain containing 2	chr1
ENSG00000159140	1.2197207	1.19869748	7.38E-05	0.00010789	6.15	6.71	19.66	20.25	SON	SON DNA binding protein	chr21
ENSG00000162169	1.2544741	1.6847369	0.0001487	0.00056016	0.46	0.79	1.05	2.28	LMBRD1	LMBR1 domain containing 1	chr16
ENSG00000103315	2.3198443	0.0027178	6.31E-06	6.31E-18	1.58	1.58	0.02	0.02	ANKRD2	ankyrin repeat domain containing 2	chr1
ENSG00000167077	-1.0314087	2.6851788	3.40E-11	4.58E-10	2.68	2.43	0	0	MEI1	meiosis inhibitor 1	chr22
ENSG00000168249	1.1226144	-0.363231	0.0016849	0.00296671	0.05	0.09	0.15	0.25	GNCA4	guanine nucleotide binding protein (G-protein), gamma 4	chr1
ENSG00000183938	1.1194588	1.1194588	5.42E-05	0.00013031	33.7	54.2	22.54	24.85	ANKP23	ankyrin repeat domain containing 23 family member B	chr1
ENSG00000256021	6.26658971	-2.2093414	1.55E-05	7.28E-05	0	0	0.32	0.2	ANKP23	ankyrin repeat domain containing 23 family member B	chr1
ENSG00000176048	-1.6769362	7.9451471	8.80E-09	6.80E-08	50.01	59.47	14.67	13.13	NUPR1	nuclear protein, transcriptional repressor 1	chr16
ENSG000001462015	1.5700005	-0.0392939	2.91E-11	3.26E-10	0	0	0.05	0.29	ANKRD2	nuclear receptor subfamily 1, group A, member 1	chr1
ENSG00000158666	1.2063564	4.7381489	7.00E-12	7.97E-11	0.02	0.02	0.07	0.02	CEP162	centrosomal protein 162kDa	chr6
ENSG00000243424	1.1762019	1.1762019	0.00013031	0.00013031	0.83	1.23	0.49	0.65	CC2D2A	cell cycle 22 domain containing protein 3	chr1
ENSG00000137076	1.8573798	9.6103683	2.33E-10	2.22E-09	112.71	112.22	43.92	38.65	TN1	thymosin 1	chr16
ENSG00000185127	1.1794706	0.7827243	0.0096449	0.0031723	0.34	0.27	0.77	0.27	COG120	chromosome 6 open reading frame 120	chr6
ENSG00000180785	1.9963474	2.0985464	0.0024077	0.0008906	26.37	27.43	17.67	16.76	ANKRD1	nuclear receptor subfamily 1, group C, member 1	chr11
ENSG00000149311	4.9612077	2.0985464	0.0024077	0.0008906	26.37	27.43	17.67	16.76	ANKRD1	ATM serine/threonine kinase	chr11
ENSG00000146476	3.0907849	0.50237261	1.22E-12	1.52E-11	0.08	0.09	0.43	1.52	C6orf211	zinc finger protein 532	chr16
ENSG0000015310	1.4932438	5.9540049	8.82E-09	6.82E-08	22.9	22.11	9.48	9.07	WDR4	WD repeat domain 4	chr21
ENSG00000201982	-1.229445	5.3742563	2.02E-05	9.24E-05	10.42	76.61	5.04	49.83	RP4-6140A1	--	chr12
ENSG00000143462	2.8590762	2.4478007	3.49E-17	6.67E-16	0.26	0.19	1.51	2.96	KCTD2	apical cell transforming 2	chr9
ENSG00000183968	1.672064	5.9540049	8.82E-09	6.82E-08	22.9	22.11	9.48	9.07	WDR4	WD repeat domain 4	chr21
ENSG00000106710	3.5649489	-1.6623614	2.93E-05	0.00013031	0.01	0.03	0.06	0.02	FSD1	fibronectin type III and SPRY domain containing 1-like	chr9
ENSG00000142147	-1.2036391	3.6510662	5.51E-05	0.0002356	1.6	1.51	0.9	0.19	GRP161	G-protein-coupled receptor 161	chr1
ENSG00000170719	1.9949495	-0.0392939	2.91E-11	3.26E-10	0	0	0.05	0.29	ANKRD2	ankyrin repeat domain containing 2	chr1
ENSG00000183944	5.3773176	-0.921847	6.98E-11	7.41E-10	0	0	0.12	0.19	ABAT	4-aminobutyrate aminotransferase	chr16
ENSG00000109742	1.9949495	2.0985464	0.0024077	0.0008906	26.37	27.43					

ENSG00000184521.11	-6.7478987	3.1896739	3.566	6.01E-51	0.79	2.6	0.05	0.02	COL3A1	collagen, type III, alpha 1	chr2	protein_coding
ENSG00000154205.15	-6.7481917	3.1896739	3.566	6.01E-51	0.71	2.1	0.05	34	MA3	metastasis inhibitory activity factor, member 3	chr2	antisense
ENSG00000886617.1	-1.7273292	4.3295104	7.54E-09	5.88E-08	3.32	3.15	10.79	17.93	ZFAND6	zinc finger, AN1, type domain 6	chr15	protein_coding
ENSG00000261761.1	3.3454836	1.4761348	3.06E-18	6.41E-17	0.12	0.05	0.93	1.4	RP11-196G1-1	...	chr15	sense_intronic
ENSG00000137831.13	1.0182651	1.0182651	1.0182651	1.0182651	0.12	0.05	0.93	1.4	LOC101928	...	chr15	antisense
ENSG00000178864.1	1.4736699	5.8086968	4.33E-07	2.70E-06	5.43	5.39	2.07	19.25	BALAP2	oval antigen with coiled-coil domains and ankyrin repeats	chr17	protein_coding
ENSG0000059564.12	2.1889442	2.36779316	2.04E-11	2.21E-10	0.24	0.17	0.92	1.55	BTAF1	BTAF1 RNA polymerase II, R-TFIIID transcription factor-associated, 170kDa	chr10	protein_coding
ENSG0000029424.1	1.890907	0.1173961	0.000407	0.0117089	0.19	0.18	0.28	0.13	C12ZF2-204E	...	chr10	antisense
ENSG00000163814.6	-2.297749	6.0014942	1.61E-14	2.45E-13	14.13	13.38	3.82	3.63	CDCP1	CUB domain containing protein 1	chr3	protein_coding
ENSG00000172178.8	2.2371179	4.8894834	1.45E-13	1.97E-12	1.26	1.66	8.61	9.71	GDC42BP3	GDC42 binding protein kinase gamma (DMPK-like)	chr11	protein_coding
ENSG00000164318.14	-0.0301607	0.2476307	3.10E-08	2.47E-06	1.45	1.29	3.83	7.02	DNAAF5	dyx1c1 neuronal assembly factor 5	chr12	protein_coding
ENSG00000154760.12	-3.1776452	-2.8656583	0.0015662	0.0035916	0.01	0.02	0.09	0	SLFN13	schlafen family member 13	chr17	protein_coding
ENSG0000025255.2	6.7822024	-1.8494969	2.2E-07	4.0E-06	0	0	0	0	CTD-53A42-2	...	chr17	antisense
ENSG00000169579.1	1.1001154	7.09634802	0.00013291	0.00052188	60.43	65.78	42.5	35.71	ZNF768	zinc finger protein 768	chr16	protein_coding
ENSG00000189334.7	-0.6690914	3.20983762	1.99E-49	2.63E-47	12.69	10.43	0.15	0.3	S100A14	S100 calcium binding protein A14	chr1	protein_coding
ENSG00000181667.7	1.0611807	3.2876483	0.00040569	0.00142447	3.29	5.14	11.93	12.42	CDC234	cyclin D2 domain containing 34	chr11	protein_coding
ENSG00000126365.5	-1.3818611	4.5121274	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	2.7959914	1.8414077	1.62E-15	4.29E-14	0.13	0.21	0.74	2.42	MA3L24	KIAA1524	chr17	protein_coding
ENSG00000140981.15	1.0564413	3.5943108	0.0038007	0.0113753	1.16	1.14	3.01	0.11	KCHD1M1	KCH domain containing 1	chr19	protein_coding
ENSG00000138129.2	2.9480554	-0.5634035	2.53E-06	1.37E-05	0.08	0.07	0.59	0.52	ANGPTL6	angiopoietin-like 6	chr19	protein_coding
ENSG00000178726.6	-1.969077	1.4954019	6.63E-09	5.23E-08	1.03	0.72	0.23	0.38	THBD	thrombospondin	chr20	protein_coding
ENSG00000102523.13	1.9732659	1.4603159	1.93E-09	1.18E-07	0.05	0.09	0.27	0.44	DOPD1	DOPD domain containing 1	chr14	protein_coding
ENSG00000099547.1	6.0491367	-2.363601	4.74E-05	0.0020031	0	0	0.03	0.02	CECR2	cat eye syndrome chromosome region, candidate 2	chr22	protein_coding
ENSG00000274933.3	8.44005	-0.7805179	4.25E-16	7.46E-15	0.11	0.1	0.13	0.42	TBC1D3	TBC1 domain family, member B3	chr1	protein_coding
ENSG00000257937.2	2.0541295	0.9570817	3.10E-08	2.71E-07	0.11	0.1	0.3	0.64	UPF186	UPF1L1, US small nuclear ribonucleoprotein, homolog C (yeast)	chr1	protein_coding
ENSG0000013595.13	4.3688684	-1.0295638	4.03E-09	3.50E-08	0	0.01	0.11	0.29	TRM23	triglycine motif containing 23	chr16	protein_coding
ENSG00000075203.3	-1.0543495	8.42195991	0.0003357	0.0008973	310.57	292.42	19.27	183.85	TR2	TR23, 20S RNA accumulation, homolog (S. cerevisiae)	chr19	protein_coding
ENSG00000132911.11	1.1712539	2.7735356	0.0001357	0.0005384	0.71	0.73	1.91	2.41	DC1NA	dynactin 4 (6c2)	chr5	protein_coding
ENSG00000173557.13	1.25741954	-0.49471	0.0003841	0.0127626	0.7	0.07	0.04	1.67	C2orf70	chromosome 2 open reading frame 70	chr2	protein_coding
ENSG00000036127.14	1.1618269	-0.52978	0.007642	0.0294377	0.14	0.05	0.47	0.33	SLC6A16	solute carrier family 6, member 16	chr19	protein_coding
ENSG00000272322.6	3.5527459	-1.8234775	0.0005362	0.0004256	0.06	0	0.47	0.4	ZNF295-AS1	ZNF295 antisense RNA 1	chr21	lincRNA
ENSG00000149150.7	-10.104611	2.99143965	1.21E-20	3.08E-19	4.7	3.82	0.91	0.41	SLC35A1	solute carrier family 35 (amino acid system L transporter), member 1	chr11	protein_coding
ENSG00000197301.7	2.5162982	1.9784978	2.38E-10	2.42E-09	0.04	0.18	0.9	0.23	TNRC18	transmembrane domain containing 18	chr2	protein_coding
ENSG00000268338.5	-1.186184	3.17294615	6.39E-05	0.0002678	2.77	3.19	1.44	2.06	NHRP15	neurite arborization breakpoint family, member 15	chr1	protein_coding
ENSG00000170712.2	1.8020154	2.8322628	2.97E-06	1.60E-05	1.05	1.05	1.41	4.4	GLIP2	glioblastoma down-regulated RNA 1	chr1	lincRNA
ENSG00000296717.10	3.1895669	2.4460209	5.53E-20	1.33E-18	0.16	0.2	0.71	0.25	SRRT1	serpin	chr10	protein_coding
ENSG00000100485.10	2.3709939	1.31237767	7.28E-11	7.43E-10	0.07	0.16	0.59	0.98	SOCS2	son of sevenless homolog 2 (Drosophila)	chr14	protein_coding
ENSG00000101204.14	1.9329426	1.6294406	1.03E-06	1.03E-06	0	0	0.03	0.5	CTCFL1	chromatin regulator, nuclear, alpha 4 (neuronal)	chr10	protein_coding
ENSG0000045388.13	2.0111286	1.2763041	1.80E-08	1.33E-07	0.08	0.14	0.4	0.8	METTL14	methyltransferase like 14	chr20	protein_coding
ENSG00000149561.6	-1.3242528	4.44657582	5.39E-23	1.61E-21	5.33	5.34	0.68	0.95	PTP1B	phosphotyrosine 1	chr10	protein_coding
ENSG00000205237.8	1.9326289	4.1264948	1.93E-09	7.32E-08	2.5	2.5	0.25	0.2	PTP1B	phosphotyrosine 1	chr10	protein_coding
ENSG00000278709.1	-1.160054	1.35494167	0.0004641	0.0016411	1.37	0.8	0.52	0.78	RP5-1059L7	...	chr20	antisense
ENSG00000102954.13	-1.2468393	7.6182671	1.55E-05	7.28E-05	99.97	80.87	51.52	47.73	MSLN	mesothelin	chr16	protein_coding
ENSG0000029560.12	2.6294114	3.4762637	0.00021867	0.0003188	2.06	2.35	0.44	2.36	KANSL1	retinoid induced 14	chr2	protein_coding
ENSG00000164683.15	-3.032897	3.2695321	1.18E-20	2.98E-19	4.9	5.91	0.8	0.96	HY1	hst-related family bHLH transcription factor with YRPM motif 1	chr8	protein_coding
ENSG00000272572.1	1.9861834	-0.463532	0.0024974	0.0075249	0.2	0.16	0.45	0.78	RP11-1799E2	...	chr10	antisense
ENSG00000168017.1	1.9389937	5.9011239	6.91E-14	8.69E-13	22.7	19.8	5.89	6.43	CH2B3	gap junction protein, beta 3, 31kDa	chr10	protein_coding
ENSG00000103154.8	-2.924201	0.5484234	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
ENSG00000266881.1	0.51115	-0.1098927	1.03E-07	2.78E-11	0	0	0.1	0.1	RP5-1146A2	...	chr16	antisense
ENSG00000231856.2	1.5609716	0.338995	7.98E-05	0.0003288	0.23	0.16	0.7	0.84	RP11-327P2	...	chr13	antisense
ENSG00000141905.16	1.1749393	8.33040387	4.48E-05	0.0013402	17.89	21.38	63.54	54.24	NRC	nuclear factor I/C (CCAAT-binding transcription factor)	chr19	protein_coding
ENSG00000253871.1	1.54028613	-2.0118135	0.0001216	6.03E-06	0	0	0	0.24	RP11-800C1	...	chr19	antisense
ENSG0000080546.12	2.3842967	0.104516	2.53E-09	2.10E-08	0.17	0.01	0.43	0.08	SESN1	sestrin 1	chr1	protein_coding
ENSG00000134905.15	-1.920791	7.2126412	3.57E-05	0.00015694	88.36	89.44	51.13	52.58	CARS2	cytochrome b5 reductase 2, mitochondrial (putative)	chr13	protein_coding
ENSG00000180413.14	1.6454462	-2.1618028	6.91E-14	2.22E-13	0	0	0.05	0.33	KIF3C3	kinetochore family B, member 16	chr12	protein_coding
ENSG00000112529.9	-1.7672004	3.0975374	9.28E-09	7.14E-08	1.77	2.08	0.77	0.8	SH2B3	SH2B adapter protein 3	chr12	protein_coding
ENSG00000185056.6	-1.494856	3.6230878	5.24E-05	0.0002267	0.82	0.78	0.35	0.4	AC009088.5	...	chr22	antisense
ENSG00000125311.11	1.333277	1.3989246	2.74E-10	1.33E-05	2.02	2.02	0.19	0.19	THY1	thymosin beta 4 receptor, alpha 2	chr1	protein_coding
ENSG00000186611.4	-1.333277	7.0270347	4.05E-06	2.12E-05	41.29	38.6	19.81	22.51	GSOX2	glyoxalase II, human	chr9	protein_coding
ENSG00000182935.15	1.0182651	1.0182651	1.0182651	1.0182651	0	0	0.13	0.13	GLI1	glioma-like family member 1	chr17	protein_coding
ENSG00000925016.2	-2.5301791	5.5061415	7.78E-17	1.45E-15	5.1	6.51	1.61	1.42	NRP1	neuropilin 1	chr10	protein_coding
ENSG00000168217.7	2.02918419	4.1058249	3.71E-11	3.90E-10	2	1.71	8.99	1.67	1899	peroxisomal biogenesis factor 11 alpha	chr15	protein_coding
ENSG00000239441.1	2.822329	-2.4678676	0.0001009	0.0001009	0	0	0.09	0	RP5-984P4.6	...	chr15	lincRNA
ENSG00000140043.10	1.4070248	1.4213495	3.49E-05	0.00015372	0.22	0.35	0.71	1.31	PTGR2	prostaglandin reductase 2	chr14	protein_coding
ENSG0000080575.6	-2.067388	2.9672974	3.90E-11	4.09E-10	1.81	1.53	0.52	0.54	COL5A3	collagen, type V, alpha 3	chr19	protein_coding
ENSG00000109866.7	2.8174468	0.2791938	6.92E-10	6.92E-09	0.2	0.2	0.44	4.54	TMD45B	transmembrane domain containing 45B-like	chr14	protein_coding
ENSG00000105176.16	1.1071381	3.9775693	0.0001012	0.0008558	1.99	2.54	5.14	7.91	URU1	UR1L, preformin-like chaperone	chr19	protein_coding
ENSG0000017770.12	1.9176149	1.4318114	3.01E-08	2.18E-07	0.15	0.11	0.49	0.19	C12orf12	CTD (carboxyl-terminal domain, RNA polymerase II, polypeptide A) small phosphatase like 2	chr15	protein_coding
ENSG00000124934.12	1.9407214	1.9407214	1.9407214	1.9407214	0.02	0.02	0.02	0.02	MUSK1BP1	MUSK binding protein 1	chr1	protein_coding
ENSG00000202152.2	5.0569457	-2.9744029	0.010405	0.02582742	0	0	0.12	0.2	ANKRD10-IT1	ANKRD10 intronic transcript 1	chr13	sense_intronic
ENSG00000706539.8	2.9662218	1.53825229	4.46E-12	5.63E-11	0.009	0.1	0.47	0.89	MTOR	RNA binding motif protein 7	chr1	protein_coding
ENSG00000138132.12	1.9922249	2.496129	1.92E-10	2.13E-09	0.36	0.68	0.48	0.52	ATAD1	ATAD5 family, AAA domain containing 1	chr10	protein_coding
ENSG00000101000.8	3.3840927	0.6616139	8.89E-15	1.39E-13	0.05	0.01	0.28	0.65	RUF	rearranged L-lysine fusion	chr1	protein_coding
ENSG00000259009.9	2.8020214	1.7277044	0.0001009	0.000100								

ENSG00000270611	-11.029272	7.61427905	0.00012591	0.00049644	243.16	207.44	136.34	143.56	HSID17B10	hydroxyesteroid (17-beta) dehydrogenase 10	chrX	protein_coding
ENSG00000201561	-44.246784	-0.016882	1.3586	1.243E-15	0.31	0.33	0.04	0	GALNT7	glycosylated endoglycosaminidase 7	chrX	protein_coding
ENSG00000152066	151.767047	-1.087237	0.00694921	0.01666143	0.12	0.02	0.18	0.36	AF153	actuator-related protein complex 1, sigma 3 subunit	chr2	protein_coding
ENSG00000483310	10.474418	0.000000	0.00000000	0.00000000	16.67	16.67	16.67	0.67	ASB8	anion-exchange and SOCS3 box containing 6	chr2	protein_coding
ENSG00000158493	2.2621733	2.2963433	8.072E-12	9.14E-11	0.19	0.3	0.3	1.84	CENP9	centromere protein 9	chr13	protein_coding
ENSG00000484934	3.75220114	2.19218907	6.19E-24	1.97E-22	0.11	0.09	1.76	1.85	ZFP90	ZFP90 zinc finger protein	chr16	protein_coding
ENSG000001109710	4.4133892	1.1383005	1.13E-12	1.93E-12	0.11	0.11	0.11	6.42	DDX4	DEAD (Asp-Glu-Asp) box helicase 6	chr2	protein_coding
ENSG00000414909	2.9523444	1.1383005	5.71E-12	6.61E-11	0.16	0.07	0.64	1.22	OSBP1L1	oxysterol binding protein-like 1	chr2	protein_coding
ENSG00000187800	-4.841366	2.07923767	5.44E-33	2.91E-31	1.35	1.31	1.03	0.09	FEAL1	filamentous actin aggregation receptor 1	chr1	protein_coding
ENSG00000162676	1.973601	-2.024867	0.02030000	0.00424221	0.0	0.02	0.0	2.37	NUPBP2	nuclear pore complex protein interacting protein 2	chr2	protein_coding
ENSG00000176019	3.8568702	2.76454532	1.16E-33	3.9E-32	15.62	12.45	28.94	25.68	CDD7	CD70 molecule	chr19	protein_coding
ENSG00000239626	1.973601	-2.024867	0.02030000	0.00424221	0.0	0.02	0.0	0.09	SN5651	SN5651	chr6	antisense
ENSG00000163282	2.2453539	-0.5467127	6.87E-06	3.45E-05	0.003	0.01	0.11	0.17	GPR155	G protein-coupled receptor 155	chr2	protein_coding
ENSG00000271711	6.2887348	2.0495369	5.19E-39	3.77E-37	0.16	0.03	0.1167	9.22	CTB-9622	CTB-9622	chr19	antisense
ENSG00000266010	1.1339156	4.2987001	6.26E-06	3.16E-05	0.54	0.59	2.67	0.08	GVNA6-AS1	GATA6 antisense RNA 1 (head to head)	chr19	antisense
ENSG00000895056	2.0420263	-1.0791503	0.0036242	0.0032073	0.09	0.13	0.89	0.34	CTM11	CK1F-like MARVEL transmembrane domain containing 1	chr16	protein_coding
ENSG00000204219	-1.3774855	5.58213929	2.26E-06	1.23E-05	20.69	17.62	9.85	9.81	RXR8	retinoid X receptor, beta	chr16	protein_coding
ENSG00000179194	3.0354816	1.6029394	1.25E-05	5.96E-05	0	0.03	0.19	0.13	RP11-35501	RP11-35501	chr9	antisense
ENSG00000186089	-2.291463	4.8389848	9.42E-14	5.00E-13	18.21	17.6	4.46	5.3	STX1A	stx1ain 1A (brain)	chr7	protein_coding
ENSG00000240416	-1.5080752	-0.3077129	0.0005144	0.00179394	0.21	0.41	1.08	0.2	UNC1011	long intergenic non-protein coding RNA 1011	chr7	lincRNA
ENSG000000592910	2.9523444	1.941306	1.72E-17	3.16E-19	0.17	0.29	1.29	2.18	TMGX8B	transmembrane protein 389	chr2	protein_coding
ENSG00000126639	1.1563397	3.60821414	0.0001073	0.00042851	0.76	1.01	2.53	2.7	CDC39	coiled-coil domain containing 83	chr2	protein_coding
ENSG00000198821	4.1758205	4.65661763	1.78E-35	1.07E-33	0.64	0.64	0.64	15.29	FAFSS2	3'-chloroadenine 5'-3'-chloroadenine synthase 2	chr10	protein_coding
ENSG00000168640	-1.02498624	0.9529256	3.00E-06	6.00E-05	1.41	1.42	1.05	9.22	MT17	muscle (nucleoside diphosphate linked) myosin I1-type motif 17	chr10	protein_coding
ENSG00000142235	-1.75854	3.3434881	8.45E-09	6.55E-08	2.39	2.51	1.02	0.91	LMTK3	lemur tyrosine kinase 3	chr19	protein_coding
ENSG000001520713	1.9046429	3.37545474	6.27E-10	5.62E-09	0.34	0.45	1.38	2.61	AHCY11	AT-hook containing transcription factor 1	chr2	protein_coding
ENSG000001898513	1.37117126	3.52471913	5.10E-06	2.62E-05	0.81	0.89	2.24	3.67	ELL2	elongation factor, RNA polymerase II 2	chr2	protein_coding
ENSG000000592910	-1.109885	6.75120338	0.00013287	0.0005218	28.72	25.4	17.06	16.56	UNC13D	unc-13 homolog D (C. elegans)	chr17	protein_coding
ENSG00000146486	1.1339156	4.2987001	6.26E-06	3.16E-05	0.54	0.59	2.67	0.46	FAM171A1	family with sequence similarity 171, member A1	chr10	protein_coding
ENSG00000163545	-1.904412	2.8419393	1.04E-09	9.04E-09	2.23	3.12	0.94	0.96	NUAK2	NUAK family, SFK1-like kinase, 2	chr17	protein_coding
ENSG00000275835	1.0689145	1.6188177	0.0003818	0.0031025	0.41	0.33	0.84	1.28	TUBCP5C	tubulin, gamma complex associated protein 5	chr15	protein_coding
ENSG000001486711	1.1339156	4.2987001	6.26E-06	3.16E-05	0.54	0.59	2.67	0.63	CTDSP1	chromosome 11 centromere binding protein 21	chr11	protein_coding
ENSG00000201488	1.59565251	-2.4251622	0.00014842	0.00057423	0	0	0.13	0.1	SLC7A9	solute carrier family 7 (amino acid transporter light chain, iso. + system), member 9	chr19	protein_coding
ENSG00000250311	5.56116133	0.8812008	0.00081373	0.00280128	0.24	0.24	0.24	34.5	SLC7A9-753N3	solute carrier family 7 (amino acid transporter light chain, iso. + system), member 9	chr19	antisense
ENSG0000045506	1.2947468	4.81341133	5.05E-14	7.93E-13	11.33	12.54	3.53	2.33	MKD2	masked outcane homolog 2 (Drosophila)	chr17	protein_coding
ENSG0000025335	2.6010755	-0.0800626	2.84E-08	2.04E-07	0.04	0.14	0.4	0.93	XOAc-B476	oxaragine-linked glycosylation I1-like, pseudogene	chr22	antisense
ENSG000002486716	2.2249898	0.00000000	0.00000000	0.00000000	0.1	0.1	0.1	0.04	ALG19P	alpha-1,9-galactosyltransferase 1	chr2	antisense
ENSG00000271901	2.4859247	-2.4052393	0.0073015	0.01977984	0.11	0.1	0.07	0.16	RP11-44N12	RP11-44N12	chr19	antisense
ENSG00000260160	5.4500774	2.7494288	0.0015808	0.00499521	0	0	0.6	0.4	CTC-47112	CTC-47112	chr19	antisense
ENSG00000260011	1.8529426	1.1434963	0.0001467	6.46E-07	0.19	0.17	0.12	0.14	GVNA6-AS2	GATA6 antisense RNA 2 (tail to tail)	chr19	sense_intronic
ENSG00000108134	-1.1610337	2.5259525	2.70E-07	1.70E-06	12.07	13.05	5.76	5.19	CTD-2574D2	CTD-2574D2	chr16	protein_coding
ENSG000001531134	1.38660487	2.10632539	1.58E-05	7.40E-05	0.35	0.36	1.03	1.44	USP25	ubiquitin specific peptidase 25	chr21	protein_coding
ENSG00000162004	-1.02498624	0.9529256	3.00E-06	6.00E-05	1.41	1.42	1.05	3.03	CDC178	coiled-coil domain containing 78	chr2	protein_coding
ENSG00000073737	-5.209182	-0.354822	0.0053815	0.0148881	0.03	0.03	0	0	DHRS9	dehydrogenase/reductase (SDS family) member 9	chr2	protein_coding
ENSG00000424242	4.084446	0.0520675	2.84E-10	4.24E-13	0.03	0.02	0.48	0.6	MMMS10C	transmembrane protein 150C	chr4	protein_coding
ENSG000001989711	2.9049117	-2.7637103	1.25E-06	7.31E-06	2.69	2.58	4.03	0.39	RN11-10P	RNA 11 small nuclear U20, pseudogene	chr10	antisense
ENSG00000181804	-2.3951501	-0.4507027	5.33E-07	3.21E-06	0.35	0.16	0.38	0.05	SLC39A9	solute carrier family 9, subfamily A/NHE8, cation proton antiporter 9, member 9	chr10	protein_coding
ENSG000002715331	1.8324806	0.00000000	0.00000000	0.00000000	0.19	0.19	0.19	0.15	RP11-32921	RP11-32921	chr10	antisense
ENSG00000185130	1.59778231	1.45824473	6.70E-08	5.87E-07	0.82	1.18	3.14	4.94	YME1L1	YME1-like 1 ATPase	chr10	protein_coding
ENSG00000113478	1.4359682	0.61778184	0.0001558	0.00045864	1.26	1.34	1.64	3.35	HIST1H2BL	histone dimer, H2b1	chr11	protein_coding
ENSG00000162646	1.2336281	3.8412756	3.37E-05	0.0001488	0.5	0.76	1.35	2.23	DTT7	dyadema toxin 7	chr16	protein_coding
ENSG0000009862	-2.911787	4.5710125	1.17E-20	2.96E-19	4.3	4.71	6.09	0.9	USP40	ubiquitin specific peptidase 40	chr1	protein_coding
ENSG00000176019	3.8568702	2.76454532	1.16E-33	3.9E-32	15.62	12.45	28.94	0.8	LIT8B	lit8B	chr1	protein_coding
ENSG000001354231	2.23178783	1.86669911	5.65E-11	5.83E-10	0.34	0.4	2.46	2.17	GLS2	glutaminase 2 (liver, mitochondrial)	chr12	protein_coding
ENSG0000027342	-4.254393	-2.3901883	0.0045824	0.01291303	0.23	0.04	0.02	0.04	RP11-552F3	RP11-552F3	chr17	antisense
ENSG000001102122	1.2954966	-0.073968	0.0001001	0.00047979	0.14	0.14	0.14	0.01	SEI1	serpin flagellar 1	chr17	protein_coding
ENSG000001106711	4.2372314	-0.6655013	6.00E-11	6.25E-10	0.02	0.01	0.32	0.39	ELMOD1	ELMODC-12 domain containing 1	chr11	protein_coding
ENSG00000114812	1.43138819	1.43138819	2.34E-06	7.31E-06	2.69	2.58	4.03	2.45	SLC7A9	solute carrier family 7 (amino acid transporter light chain, iso. + system), member 9	chr19	protein_coding
ENSG00000074037	1.5900585	2.4531667	4.90E-07	2.97E-06	0.25	0.25	0.75	1.21	DPF8	dicoumarol-peptide 8	chr15	protein_coding
ENSG00000181979	3.43108673	2.18142884	1.78E-21	4.62E-20	0.21	0.15	2.79	2.5	UBA7	ubiquitin-like modifier activating enzyme 7	chr3	protein_coding
ENSG000001989119	-2.5010673	1.8496206	0.0001763	0.00071119	0.32	0.26	0.33	11.6	LICAM	lipocalin	chr16	protein_coding
ENSG00000122917	1.40368123	3.89304778	2.57E-06	1.39E-05	3.47	2.56	1.2	9.24	ACAD5	acyl-CoA dehydrogenase, C-2 to C-3 short-chain	chr12	protein_coding
ENSG00000167178	-3.4813712	1.66179378	3.23E-20	7.88E-19	0.92	0.88	0.16	0.06	SLR2	immunoglobulin superfamily class C3 lectin-rich repeat 2	chr15	protein_coding
ENSG00000277669	1.9202655	0.00000000	0.00000000	0.00000000	0.1	0.1	0.1	0.04	AC00913322	AC00913322	chr17	antisense
ENSG00000258805	1.1979697	2.8800352	8.67E-05	0.00033773	0.84	1.14	2.48	3.59	CEP95	centrosomal protein 95kDa	chr17	protein_coding
ENSG00000170113	-4.9732372	-1.6497204	6.31E-08	4.58E-07	0.12	0.1	0.01	0	KCNQ4	potassium channel, voltage gated KQT-like subfamily Q, member 4	chr17	protein_coding
ENSG00000186130	-1.8324806	0.00000000	0.00000000	0.00000000	0.19	0.19	0.19	0.14	CTRB8	zinc finger protein 8TB domain containing 9	chr2	protein_coding
ENSG00000284434	-1.9788393	0.4487772	3.55E-07	2.20E-06	0.09	0.15	0.05	0.03	RP4-671014	RP4-671014	chr16	sense_intronic
ENSG00000428210	4.7482782	-1.8412629	8.18E-09	5.55E-07	0.02	0.07	0.1	1.72	USURP	lysoglycolipase	chr8	protein_coding
ENSG000001671416	2.57576659	2.57576659	2.95E-06	6.00E-06	1.29	0.93	3.42	7.12	USURP	l2, snRNP-associated SURP domain containing	chr8	protein_coding
ENSG000001705513	1.32884891	3.97449743	7.73E-06	3.84E-05	2.83	3.37	3.75	14.74	FEZ2	fascioulon and elongation protein zeta 2 (zyglin II)	chr2	protein_coding
ENSG000001817814	-1.8324806	0.00000000	0.00000000	0.00000000	0.19	0.19	0.19	0.15	ADMP1P1	ADMP1P1	chr16	antisense
ENSG00000624813	-4.9007055	6.1329487	4.92E-47	5.81E-45	32.1	28.44						

ENSG00000215644.8	-3.321053	-2.222785	0.0001396	0.0054609	0.19	0.03	0	0.02	GCCR	glucagon receptor	chr17	protein_coding
ENSG0000197863.7	-2.056262	0.832769	0.0002769	0.0007669	0.07	0.07	0	0.02	ZNF790	zinc finger protein 790	chr17	protein_coding
ENSG000015847.12	-1.219163	2.981588	1.34111	1.48E-10	3.35	2.96	1.11	0.81	NBL1	neuroblastoma 1, DAN family BMP antagonist	chr17	protein_coding
ENSG000013764.11	-2.789703	3.475486	1.71E-18	3.07E-17	0.22	0.24	1.92	2.31	SORL1	sortilin-related receptor, LDLR class A repeats containing	chr11	protein_coding
ENSG0000160191.16	-1.240328	0.844888	0.0001448	0.0001448	1.44	0.84	0.88	4.49	PCSKA3	proprotein convertase 3A	chr17	protein_coding
ENSG0000144579.6	-1.153399	6.235352	6.58E-05	0.0027409	31.07	29.01	1.81	17.04	CTDSP1	CTD (Carboxy-terminal domain, RNA polymerase II) small phosphatase 1	chr17	protein_coding
ENSG0000102081.12	-1.152497	2.7491539	0.0001776	0.0007756	0.38	0.64	1.18	1.85	RMR1	fragile X mental retardation 1	chrX	protein_coding
ENSG0000101122.11	-1.240328	0.844888	0.0001448	0.0001448	1.44	0.84	0.88	4.49	RASA3L1	RAS protein activator like 3	chr19	protein_coding
ENSG0000211456.9	-2.5478128	2.0095906	0.0011176	0.10E-12	0.24	0.25	1.96	2.84	SACM1L	SAC1 suppressor of actin mutations 1-like (yeast)	chr3	protein_coding
ENSG000024750.1	-4.7325456	-4.7388633	0.0188973	0.0419367	0.0	0.0	0.05	0	HIST1H2A	histone cluster 1, H2a	chr6	protein_coding
ENSG000023168.2	-1.0502429	-0.2574283	0.0169547	0.0120801	0.07	0.02	0.4	0.41	ZNF469	zinc finger protein 469	chr1	antisense
ENSG0000265943.1	3.00601829	-2.6695897	0.0043894	0.02469931	0.05	0	0.28	0.33	RP11-738L1.1		chr18	antisense
ENSG0000231718.3	1.9502429	-0.2574283	0.0169547	0.0120801	0.07	0.02	0.4	0.41	RP11-337CL.1		chr1	antisense
ENSG0000156531.15	1.7618438	0.7676971	2.36E-06	1.29E-05	0.07	0.07	0.24	0.43	PHF6	PHD finger protein 6	chr19	protein_coding
ENSG0000104848.1	2.10347269	-1.1532029	0.0012275	0.00396173	0.02	0.01	0.12	0.11	KCNMA7	potassium channel, voltage gated shaker related subfamily A, member 7	chr19	protein_coding
ENSG0000204099.10	-1.9300745	0.832769	0.0002769	0.0007669	0.07	0.07	0	0.02	HEU4	salivase 4	chr2	protein_coding
ENSG0000165934.11	-1.1744836	3.1071104	1.47E-06	8.28E-06	0.24	0.32	0.78	1.3	CP52	cleavage and polyadenylation specific factor 2, 100kDa	chr14	protein_coding
ENSG0000101984.10	1.1918282	1.4444972	0.0006345	0.0021753	0.13	0.14	0.33	0.51	MFAF3L	microfibrillar-associated protein 3-like	chr4	protein_coding
ENSG0000261553.4	-1.7148986	1.1004646	4.42E-07	2.70E-06	0.66	0.62	0.26	0.24	RP11-296G3.1		chr17	processed_transcript
ENSG0000208195.1	-1.1746494	0.9359283	1.25E-06	7.08E-06	1.54	0.86	0.3	0.67	XX-FW8356.1		chrX	antisense
ENSG0000137941.15	-1.1582004	-0.352106	2.33E-09	1.95E-08	0.02	0.01	0.09	0.24	TLL4	tubulin tyrosine ligase-like family member 7	chr1	protein_coding
ENSG0000118200.13	1.9371691	2.3328294	1.22E-08	9.22E-08	0.15	0.32	0.84	1.43	CAMGAP2	calcium regulated guanine nucleotide-binding protein, member 2	chr1	protein_coding
ENSG0000208363.6	3.1055371	-2.612203	0.0043894	0.02469931	0	0.01	0.02	0.1	LINC00854	long intergenic non-protein coding RNA 854	chr17	processed_transcript
ENSG0000126870.14	1.116744	4.3307092	0.0014213	0.005539	2.5	2.95	0.62	9.56	WD809	WD repeat domain 60	chr1	protein_coding
ENSG0000262924.2	1.5702603	3.1376952	0.0042468	0.0120801	7.33	7.69	4.7	1.94	LINC01111	long intergenic non-protein coding RNA 1311	chr17	antisense
ENSG000027887.1	-4.1053399	-1.232	3.07E-07	1.92E-06	0.06	0	0.93	0.66	RP11-420N3.1		chr18	processed_transcript
ENSG000013942.15	2.1352854	2.5631481	3.93E-11	4.10E-10	0.22	0.0	1.29	2.43	NBP1L	nitrogen binding protein 1-like	chr16	protein_coding
ENSG0000274828.1	-1.206949	-1.3319527	0.0001022	0.0004117	2.56	2.83	1.28	1.83	RP11-567M1.1		chr18	lincRNA
ENSG000029332.2	1.0450933	2.663198	0.0006522	0.0023192	3.92	3.76	8.73	11.44	ST20-MTHFS	ST20-MTHFS readthrough	chr15	protein_coding
ENSG0000164948.8	-1.364182	0.5949767	8.09E-13	1.02E-13	0.05	0.19	1.68	0.21	CPRL46	G protein-coupled receptor subunit 2	chr12	protein_coding
ENSG0000126749.13	-1.352637	7.2469282	2.97E-06	1.60E-05	37.03	35.11	19.21	18.41	EMG1	EMG1 N1-specific pseudouridine methyltransferase	chr15	protein_coding
ENSG000014657.12	3.7198747	-0.047438	4.23E-13	5.50E-12	0.06	0	0.18	0.19	ZNF92	zinc finger protein 92	chr7	protein_coding
ENSG0000156136.8	-1.4415429	1.0589396	4.23E-05	0.0013297	0.13	0.38	0.74	1.5	DKC	diaphanous kinase 3 like	chr1	protein_coding
ENSG0000233654.1	-1.095562	0.2744235	0.0034251	0.0107134	4.1	2.24	1.67	2.29	AC038383.3		chr2	antisense
ENSG0000165518.9	3.0063215	-3.3344243	1.88E-06	4.69E-19	9.04	8.61	1.02	1.27	FAM131C	family with sequence similarity 131, member C	chr1	protein_coding
ENSG0000168152.11	4.8894645	-3.0622891	0.0088973	0.0419367	0.0	0.01	0.06	0.1	THA9	THAP domain containing 9	chr1	protein_coding
ENSG0000170745.12	2.9808327	-2.6824604	0.0165662	0.0399186	0	0.03	0	0.31	PLAC3	phalloidin-actin-specifc 9	chr10	protein_coding
ENSG0000176038.11	1.901724	2.7483171	0.0013025	0.0052186	0.01	0.14	0.42	0.52	LINC00303	long intergenic non-protein coding RNA containing 3	chr10	antisense
ENSG000014279.12	-6.4510106	-0.3524315	5.09E-19	7.02E-18	0.16	0.21	0	0	FGF12	Fibroblast growth factor 12	chr3	protein_coding
ENSG0000404493.14	-2.3060414	1.56659785	1.04E-14	1.62E-13	182.48	148.78	45.99	42.92	CAPG	capping protein (actin filament), gelsolin-like	chr12	protein_coding
ENSG0000112892.2	1.201724	2.7483171	0.0013025	0.0052186	0.01	0.14	0.42	0.52	CREB2	cAMP response element binding protein-like 2	chr12	protein_coding
ENSG0000036854.11	1.0247489	6.895843	0.0003739	0.00133797	16.55	16.11	44.48	4.43	HIGH	hydroxyglutathione hydrolase	chr16	protein_coding
ENSG0000162217.19	3.0547499	-0.7340929	1.76E-08	4.91E-07	0.01	0.01	0.09	0.1	MCZL2	MCZ 2 cell line derived transforming sequence-like	chr13	protein_coding
ENSG0000160300.7	1.5702603	3.1376952	0.0042468	0.0120801	7.33	7.69	4.7	1.94	LINC01111	long intergenic non-protein coding RNA 1311	chr17	antisense
ENSG0000006638.10	-4.846732	3.2748624	2.24E-40	1.75E-38	6.37	5.28	1.88	0.31	TBXAKR	thromboxane A2 receptor	chr19	protein_coding
ENSG0000184903.8	-2.1670864	2.6582681	1.04E-11	1.17E-10	0	3.19	0.93	0.9	MMMP2L	IMP2 early mitochondrial membrane peptidase-like (S. cerevisiae)	chr17	protein_coding
ENSG0000162625.7	1.0788249	1.9813837	0.0013327	0.0052186	0.01	0.14	0.42	0.52	FRS2	fibroblast growth factor receptor subunit 2	chr12	protein_coding
ENSG0000170745.12	-4.7879664	-0.6030245	5.33E-14	5.16E-13	0.32	0.41	1.02	0.02	KCN53	potassium voltage-gated channel, modifier subfamily 5, member 3	chr12	protein_coding
ENSG0000153838.16	1.1176962	4.6325226	0.0013025	0.0052186	0.01	0.14	0.42	0.52	RAB39B	RAB GTPase activating protein subunit 1 (catalytic)	chr12	protein_coding
ENSG0000249583.9	3.429951	1.054737	2.51E-18	5.93E-17	1.14	0.77	0.07	0.15	AQP1	aquaporin 1 (Colton blood group)	chr1	protein_coding
ENSG0000199445.9	-1.012652	4.079211	0.0005169	0.0191543	8.96	10.3	4.6	8.17	ZNF330	zinc finger protein 330	chr1	protein_coding
ENSG0000187986.6	1.8746978	0.70123	7.31E-19	1.91E-18	0.1	0.1	0.06	0.06	ALP2	alkaline phosphatase 2	chr18	protein_coding
ENSG0000116652.6	5.965855	-2.4200372	8.38E-05	0.0003452	0	0	0.08	0	DLEU2L	deleted in lymphocytic leukemia 2-like	chr1	sense_intronic
ENSG0000271895.2	6.0402339	-2.381409	8.36E-05	0.0003452	0	0	0.29	0.31	RP4-635E18		chr1	antisense
ENSG0000102458.8	-1.4176249	1.0589396	4.23E-05	0.0013297	0.13	0.38	0.74	1.5	NSD1	Myb/SANT-like DNA-binding domain containing 2	chr1	protein_coding
ENSG0000158086.13	2.1705374	1.7199630	2.60E-10	2.46E-09	0.22	0.22	0.02	0.22	PAXBP1	PAX3 and PAX7 binding protein 1	chr21	protein_coding
ENSG0000103578.5	-3.964073	3.4739942	5.51E-21	2.66E-29	7.09	7.88	10.62	0.65	TNFRAP3	tnfrsf19, tumor necrosis factor, alpha-induced cAMP response element 3	chr15	protein_coding
ENSG0000113917.11	-1.092296	0.2744235	0.0034251	0.0107134	4.1	2.24	1.67	2.29	AC038383.3		chr2	antisense
ENSG0000142420.16	-1.0229462	8.0098262	0.0036553	0.0131331	51.72	51.56	33.95	34.18	ENSA	endosulfine alpha	chr1	protein_coding
ENSG0000162831.5	-1.0788249	1.9813837	0.0013327	0.0052186	0.01	0.14	0.42	0.52	FRS2	fibroblast growth factor receptor subunit 2	chr12	protein_coding
ENSG0000204366.3	-1.4545824	3.1036302	1.50E-06	8.40E-06	2.21	7.35	2.87	3.22	TB21B2	zinc finger and BTB domain containing 12	chr16	protein_coding
ENSG0000101213.16	-3.177025	2.3091836	2.27E-20	5.61E-19	2.81	2.09	0.22	0.5	PIKE	protein tyrosine kinase 45, member 1	chr20	protein_coding
ENSG000016426.13	1.6891466	0.0005169	0.0005169	0.0191543	1.69	1.69	1.69	1.69	SCSA51	solute carrier family 45, member 1	chr15	sense_intronic
ENSG000029921.1	3.1073379	-2.609976	0.0052196	0.0122233	0.01	0.02	0.07	0.07	AC022819.3		chr15	antisense
ENSG0000115514.10	2.8652841	-1.1591247	1.57E-13	2.14E-12	0.15	0.22	1.4	2.23	TNPO3	thorax domain containing 9	chr12	protein_coding
ENSG0000202984.10	1.9021247	2.8831026	8.74E-05	0.0002695	0.98	0.98	0.23	0.8	FRS3	fibroblast structural protein 3, fibronectin	chr20	protein_coding
ENSG000027287.2	-1.1451314	2.21186108	0.0002655	0.0009753	6.44	8.37	4.43	4.47	LINC00303-N.1		chr22	sense_intronic
ENSG0000275586.1	3.0160473	1.1535315	2.58E-15	4.24E-14	0.3	0.44	1.41	3.98	RP11-44N21.1		chr14	lincRNA
ENSG0000164378.2	1.810744	0.1000046	0.0002655	0.0009753	0.24	0.24	0.02	0.38	ACTR3	actin-related protein T3	chr1	protein_coding
ENSG0000404910.12	1.88411786	-1.8632211	0.0138129	0.0434379	3.08	3.04	0.13	0.21	KITLG	KIT ligand	chr12	protein_coding
ENSG0000178912.3	1.71101656	2.8756919	3.71E-05	6.62E-07	2.88	3.53	1.53	12.28	TNPO5	TM65 opposite strand	chr18	processed_transcript
ENSG0000181959.9	1.9021247	2.8831026	8.74E-05	0.0002695	0.98	0.98	0.23	0.8	WASF2	WASP family, member 2	chr1	protein_coding
ENSG0000102996.4	1.8301521	6.7915752	5.83E-11	6.00E-10	9.09	8.43	4.69	41.94	MMP15	matrix metalloproteinase 15 (membrane-inserted)	chr16	protein_coding
ENSG0000103611.10	1.1176962	4.6325226	0.0013025	0.0052186	0.01	0.14	0.42	0.52	ENSA	endosulfine alpha	chr1	

ENSG00000263280.1	-2.5285753	-0.2137124	1.88E-08	1.38E-07	2.29	1.15	0.29	0.49	LA16c-3ZSD1	--	chr16	lincRNA
ENSG0000023845.2	7.1252229	1.1982822	0.0001111	0.0001111	0.10	0.04	0.04	0.04	KOCD1	homocyste D1	chr16	protein_coding
ENSG00000257721.1	2.9727003	-0.3588851	6.42E-09	5.07E-08	0.01	0.04	0.29	0.02	GPCPD1	glycerophosphocholine phosphodiesterase GDE1 homolog (S. cerevisiae)	chr16	protein_coding
ENSG00000269815.1	1.9648221	-1.6099842	0.0034584	0.0100343	0.21	0.11	0.09	0.87	CTD-227B11	--	chr16	sense_intronic
ENSG00000243660.8	0.0128265	0.0002306	0.0000000	0.0000000	0.00	0.00	0.00	0.00	ZNF487	zinc finger protein 487	chr19	protein_coding
ENSG00000208140.8	3.4717615	0.0592193	1.88E-12	2.9E-11	0.003	0.07	0.75	0.69	TMEM191C	transmembrane protein 191C	chr22	lincRNA
ENSG00000164530.12	5.0417522	-2.9627474	0.0103455	0.02582742	0.0	0.0	0.0	0.11	PL16	peptidase inhibitor 16	chr16	protein_coding
ENSG00000129422.12	2.2019615	0.0000000	0.0000000	0.0000000	0.00	0.00	0.00	0.00	MTLS1	metallothionein-associated tumor suppressor 1	chr16	protein_coding
ENSG00000169842.12	1.5988415	3.8478328	1.03E-07	6.90E-07	1.49	1.68	5.24	7.61	CHRNA5	cholinergic receptor, nicotinic, alpha 5 (neuronal)	chr16	protein_coding
ENSG00000269557.5	5.9497520	-2.4946111	0.0002535	0.0009747	0.0	0.0	0.0	0.0	TRMT1	tripartite motif containing 17, E3 ubiquitin protein ligase	chr16	protein_coding
ENSG00000186610.10	0.0024306	0.0000000	0.0000000	0.0118416	1.76	2.1	5.93	5.33	SPATC48	G patch domain containing 8	chr16	protein_coding
ENSG00000242479.9	1.0275532	3.5987429	0.0004123	0.01046757	2.45	1.97	4.1	8.24	ARFGAP3	ADP-ribosylation factor GTPase activating protein 3	chr22	protein_coding
ENSG00000193863.13	-1.154256	4.5229728	7.75E-06	0.0000002	6.48	6.85	3.15	4.86	RAZEA	RAZEA member RAS oncogene family	chr16	protein_coding
ENSG00000162804.12	1.245833	9.2247335	1.54E-05	7.23E-05	166.39	145.28	84.08	91.32	VCP	vinculin containing protein	chr16	protein_coding
ENSG00000151687.13	5.7784906	-2.5437546	0.0002635	0.0009747	0.0	0.0	0.04	0.06	ANKAR	ankyrin and armadillo repeat containing	chr2	protein_coding
ENSG0000017395.10	1.012235	6.0429539	0.0004489	0.0019319	19.42	19.68	13.51	12.38	IRX16L	F-box ankyrin-like repeat protein 16	chr16	protein_coding
ENSG00000213366.11	-3.1717913	-2.8628854	0.0015662	0.0398166	0.01	0.05	0.01	0.0	GSTM2	glutathione S-transferase mu 2 (muscle)	chr11	protein_coding
ENSG00000183161.4	-1.0186125	1.5774479	0.002013	0.0061687	0.73	0.07	0.61	0.38	FANCF	Fanconi anemia, complementation group F	chr11	protein_coding
ENSG00000108612.11	1.9277861	2.8929124	7.69E-07	4.57E-06	0.67	0.71	2.6	3.7	TDM6G	titin gamma	chr16	protein_coding
ENSG00000208273.1	5.06203518	-2.9716376	0.010455	0.02582742	0.0	0.0	0.08	0.09	AF13126.1	--	chr8	protein_coding
ENSG00000172304.14	2.7822929	4.051744	9.92E-19	2.15E-17	0.26	0.34	2.07	3.47	GOLGB1	golgin B1	chr16	protein_coding
ENSG00000204634.11	-2.0252521	5.2141294	8.61E-12	9.14E-11	11.63	13.79	1.89	0.28	TBC1D18	TBC1 domain family, member 8 (with GRAM domain)	chr2	protein_coding
ENSG0000015850.7	1.0079564	0.69251661	0.003973	0.01130629	0.07	0.13	0.15	0.4	SLC26A2	solute carrier family 26 (anion exchanger), member 2	chr16	protein_coding
ENSG00000215456.16	1.9254084	3.7541579	2.76E-11	6.31E-09	0.83	1.22	3.71	6.7	T-7-5ep	setin 7	chr7	protein_coding
ENSG0000027451.1	5.9249443	-2.981778	0.0061905	0.01488951	0.0	0.0	0.0	0.0	FAM74A6	family with sequence similarity 74, member A6	chr16	lincRNA
ENSG0000019466.12	1.2422964	1.9763743	1.18E-05	5.64E-05	0.35	0.54	1.47	2.22	MPF	kelch-like family member 2	chr4	protein_coding
ENSG0000013457.8	-1.645447	4.9300024	0.0002257	0.00116429	8.68	9.49	5.52	6.21	FCF2	transcription factor CF2	chr16	protein_coding
ENSG000004706.10	-8.0055183	-0.9647791	7.59E-14	1.09E-12	0.09	0.06	0.4	0.0	LANC3	LANC3 antibiotic synthetase component C-like 3 (bacterial)	chr4	protein_coding
ENSG0000029739.2	-5.2624475	-3.0371681	0.010455	0.02582742	0.28	0.0	0.0	0.0	RP11-295K2.1	--	chr12	antisense
ENSG00000291344.1	1.9253964	2.0824641	5.34E-07	3.22E-06	0.01	0.04	0.03	0.03	HELIPAP	HELIP associated long non-coding RNA	chr12	antisense
ENSG00000153094.20	1.0461317	3.58202745	0.0004326	0.00153724	0.99	1.07	2.59	3.1	BCL2L11	BCL2-like 11 (apoptosis facilitator)	chr12	protein_coding
ENSG00000184185.8	-5.179676	4.7673698	1.60E-47	1.94E-45	8.11	7.14	0.24	0.34	KCNJ12	potassium channel, inwardly rectifying subfamily J, member 12	chr17	protein_coding
ENSG0000025441.1	0.398483	-2.4845	0.00053761	0.00189933	0.46	0.78	0.3	0.46	SLC24A4	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1	chr15	protein_coding
ENSG00000174621.12	-1.105406	1.90010545	0.00053761	0.00189933	0.46	0.78	0.3	0.46	SLC24A4	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1	chr15	protein_coding
ENSG00000157193.13	1.2928725	5.7743579	8.47E-06	4.17E-05	7.53	8.61	3.94	4.28	TRAF3	low density lipoprotein receptor-related protein 8, apoptosis-inhibitor 1 receptor	chr16	protein_coding
ENSG00000205220.10	1.2001245	4.4707834	1.81E-08	7.4E-07	4.24	3.67	17.28	15.92	PSMB10	proteasome (prosome, macropain) subunit, beta type, 10	chr16	protein_coding
ENSG00000197113.13	1.350896	1.0522188	0.0003363	0.0013163	0.35	0.3	0.12	0.22	MPF	myelin basic protein	chr18	protein_coding
ENSG00000102997	1.2520145	0.0000000	0.0000000	0.0000000	0.00	0.00	0.00	0.00	WASL	Wiskott-Aldrich syndrome-like	chr16	protein_coding
ENSG00000103436.16	8.5216997	-3.444016	4.85E-17	9.21E-16	0.0	0.17	0.11	0.11	CACNA1C	calcium channel, voltage-dependent, T, type, alpha 1 subunit	chr22	protein_coding
ENSG00000169750.7	-2.0766798	5.2704218	3.31E-12	9.02E-11	50.64	41.94	17.02	12.14	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	chr12	protein_coding
ENSG00000214049.6	8.6049263	0.2814028	0.0024959	0.00096312	0.13	0.16	0.25	0.18	UCA2	uridine C5'-adenosine associated 1 (non-coding codon)	chr12	antisense
ENSG0000016920.7	-1.685997	1.6998427	3.16E-07	1.97E-06	1.89	1.82	0.62	0.92	TMEM9	transmembrane protein 99	chr17	protein_coding
ENSG0000044465.12	-1.6526974	4.6158398	2.39E-08	1.73E-07	4.36	4.77	1.87	1.99	OSPPL1	oxysterol binding protein-like 10	chr17	protein_coding
ENSG00000279265.1	-1.2172153	-2.8862368	0.0038168	0.014488951	0.4	0.2	0.0	0.0	AC002023.3	--	chr7	antisense
ENSG00000244731.6	-2.4968279	-2.7137396	0.0094384	0.0246931	0.0	0.0	0.0	0.0	CA4	complement component 4A (Rodgers blood group)	chr6	protein_coding
ENSG00000157326.17	-1.1466697	6.2284023	7.20E-05	0.0029802	39.4	33.07	20.94	22.75	HDA3	hydroxysteroid reductase (5DK family) member 4	chr14	protein_coding
ENSG00000204950.3	1.3001245	-1.0674677	0.0044407	0.010442983	0.33	0.29	0.29	0.23	LRRC10B	leucine rich repeat containing 10B	chr16	protein_coding
ENSG00000269846.1	2.9683982	-2.0907489	0.00067192	0.00229154	0.04	0.0	0.02	0.4	RP4-62111.1	--	chr20	antisense
ENSG0000044678.8	1.017684	0.0000000	0.0000000	0.0000000	0.00	0.00	0.00	0.00	GFPR1	guanine nucleic acid growth factor binding protein 1	chr16	protein_coding
ENSG0000017857.8	-1.5262975	4.6959594	1.23E-07	1.48E-06	16.07	16.16	7.14	7.78	SLC25A20	solute carrier family 25 (carbamate/acylcarbamate translocase), member 20	chr16	protein_coding
ENSG0000020820.12	3.31469784	-0.4056831	1.04E-09	9.04E-09	1.1	1.42	26.63	7.49	ALG2T17.12	--	chr14	mRNA
ENSG00000132038.3	1.8254263	5.1941284	3.88E-10	9.74E-09	18.66	16.29	6.26	6.47	FANCF	Fanconi anemia, complementation group E	chr14	protein_coding
ENSG00000138444.8	-2.1147466	4.5880153	2.36E-12	2.86E-11	12.95	12.06	4.07	3.62	RSAD1	radical S-adenosyl methionine domain containing 1	chr17	protein_coding
ENSG00000188820.11	1.8652249	0.0445894	9.04E-06	4.42E-05	0.56	0.0	0.43	1.39	FAM26F	family with sequence similarity 26, member F	chr16	protein_coding
ENSG00000135246.6	1.9253964	2.0824641	0.0004326	0.00153724	0.99	1.07	2.59	3.1	BCL2L11	BCL2-like 11 (apoptosis facilitator)	chr12	protein_coding
ENSG00000104219.12	1.15367389	1.0429119	0.00020295	0.0007653	0.27	0.2	0.49	0.92	FBOX3	F-box protein 3	chr11	protein_coding
ENSG00000152135.4	6.5186871	-2.0237618	1.79E-06	9.86E-06	0.0	0.18	0.12	0.12	KCNK13	potassium channel, two pore domain subfamily K, member 13	chr14	protein_coding
ENSG00000161948.10	1.2928725	5.7743579	8.47E-06	4.17E-05	7.53	8.61	3.94	4.28	NAP12D	N-acyl diacylglycerol acyltransferase 12	chr16	protein_coding
ENSG0000017857.26	2.1814706	-0.4597472	4.71E-06	2.44E-05	0.04	0.02	0.14	0.02	MAP	myelin associated neurotrophin receptor	chr16	protein_coding
ENSG00000170712.12	0.0029969	0.0000000	0.0000000	0.0000000	0.00	0.00	0.00	0.00	NEED4	needing 4 binding protein 2	chr16	protein_coding
ENSG00000162966.11	-4.4637487	3.0770429	9.34E-20	2.20E-18	0.26	0.32	0.01	0.02	ZNF320	zinc finger protein 320	chr19	protein_coding
ENSG00000112019.9	-7.5667983	-1.3550377	3.22E-11	3.41E-10	0.11	0.07	0.0	0.0	KAL1	keratin-like protein 1	chrX	protein_coding
ENSG00000139865.11	1.2520145	0.0000000	0.0000000	0.0000000	0.00	0.00	0.00	0.00	100kbInsB8	chromosome 10 open reading frame 88	chr10	antisense
ENSG00000198373.11	1.0475999	0.0038292	1.24E-06	7.02E-06	7.12	7.49	2.92	2.52	WWP2	WW domain containing E3 ubiquitin protein ligase 2	chr16	protein_coding
ENSG00000076900.6	4.1949103	2.8986648	1.69E-20	8.00E-29	0.04	0.09	0.64	0.19	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	chr18	protein_coding
ENSG00000148470.11	5.2474263	-0.9917978	6.81E-09	1.74E-08	0.17	0.17	0.02	0.17	FCST2	Fc gamma receptor, type 2, receptor, alpha	chr16	protein_coding
ENSG00000173226.15	1.7849144	2.9379967	1.01E-08	7.73E-08	1.08	1.04	3.89	5.9	KOCS1	KO cell containing B1	chr17	protein_coding
ENSG00000219660.1	5.4792129	-2.7332026	0.0015008	0.00495621	0.0	0.19	0.19	0.08	RP11-849N1	--	chr17	TEC
ENSG0000046476.14	2.74463	0.0000000	0.0000000	0.0000000	0.00	0.00	0.00	0.00	NCOA1	nuclear receptor coactivator 1	chr16	protein_coding
ENSG00000108112.12	1.304577	0.8071143	6.26E-06	3.16E-05	178.83	160.38	91.64	91.4	NHP2L1	NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae)	chr17	protein_coding
ENSG0000006047.11	2.9547183	2.3499923	7.07E-18	1.44E-16	0.56	0.59	7.17	4.71	YBX3	Y box-binding protein 2	chr22	protein_coding
ENSG00000138246.14	1.2001245	4.4707834	1.81E-08	7.4E-07	4.24	3.67	17.28	15.92	PNUMC13	DNA (Hsp40) homolog, subfamily C, member 13	chr16	protein_coding
ENSG00000085511.18	1.5635601	3.4068224	2.53E-07	1.60E-06	0.6	0.2	2.84	3.24	MAP3K4	mitogen-activated protein kinase kinase kinase 4	chr16	protein_coding
ENSG00000197652.14	1.9254263	5.1941284	3.88E-10	9.74E-09	18.66	16.29	6.26	6.47	FANCF	Fanconi anemia, complementation group E	chr14	protein_coding
ENSG00000176079.9	2.69575167	-1.555445	0.00013983	0.00054609	0.02	0.02	0.14	0.17	ZCCHC18	zinc finger, CCHC domain containing 18	chr16	protein_coding
ENSG00000227776.5	2.0296101	-1.5618989	0.0024913	0.00739591	0.04	0.08	0.18	0.45	LAGL5L-AS1	LAGL5L antisense RNA 1	chr16	antisense
ENSG00000167107.11	1.4522596	0.888994	0.0000000	0.0000000	0.00	0.00	0.00	0.00	CCNA3	cyclin A3, mitotic cycle associated family member 2	chr17	protein_coding
ENSG00000053211.5	-6.6315419	5.6183093	7.10E-08	2.50E-05	24.78	23.8	0.31	0.34	CRAT	carmitine O-acetyltransferase	chr16	protein_coding
ENSG00000126503.3	-3.3828663	-0.0427563	7.48E-13	9.50E-12	0.3	0.42	0.04	0.03	FLRT1	fibronectin leucine rich transmembrane protein 1	chr11	protein_coding
ENSG00000191101	1.											

ENSG00000175110.10	1.6980455	4.7293732	1.08E-08	8.20E-08	5.75	6.1	20.96	30.51	MRP522	mitochondrial ribosomal protein S22	chr3	protein_coding
ENSG00000227212.12	1.5226743	1.3596799	0.0065433	0.0177607	0.36	0.44	0.06	0.29	HGCl15	HLA complex group 15 (non-protein coding)	chr22	antisense
ENSG00000440350.14	1.4826219	1.76250478	3.18E-07	1.88E-06	95.46	115.98	45.71	55.17	ANP32A	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	chr15	protein_coding
ENSG00000318010.12	0.5496281	0.314215	0.0000000	0.0000000	0.14	0.14	0.02	0.14	TRF4	transcription factor 4	chr15	protein_coding
ENSG00000138621.11	1.7794285	1.3484181	2.73E-07	1.71E-06	0.25	0.2	0.31	1.19	LGA1SL	lectin, galactoside-binding-like	chr2	protein_coding
ENSG0000043369.13	2.6013173	3.3889183	2.15E-16	3.88E-15	6.75	6.69	1.55	1.4	LCM1	extracellular matrix protein 1	chr4	protein_coding
ENSG0000026895.5	2.9228739	2.0098033	2.34E-17	4.58E-16	1.09	1.35	1.52	12.87	SNHG8	small nuclear RNA host gene 8	chr4	protein_coding
ENSG00000170011.11	1.8716056	1.6741001	0.0048677	0.0137154	0.14	0.4	0.39	0.33	RP11-823P9	activated leukocyte cell adhesion molecule	chr3	protein_coding
ENSG00000431511.11	1.8811050	6.452711	0.0004569	0.0100457	14.53	16.03	40.81	56.24	ATP1B1	ATPase, Na+/K+-translocating, beta 1 polypeptide	chr2	protein_coding
ENSG0000022636.16	3.7339633	0.5540116	9.66E-16	1.64E-14	0.04	0.04	0.02	0.3	BAZ2B	Na/oxaloacetate to zinc finger domain, 2B	chr5	protein_coding
ENSG00000250102.2	2.5928997	1.6269967	0.0004569	0.0100457	0.04	0.04	0.02	0.43	RP11-977B1	...	chr2	antisense
ENSG00000158687.11	1.4149249	0.77304424	0.0001206	0.0004706	0.3	0.21	0.6	1.24	MED7	mediator complex subunit 7	chr20	protein_coding
ENSG00000089177.16	1.5888852	1.3322655	3.71E-06	1.95E-05	0.14	0.18	0.58	0.68	KIF16B	kinesin family member 16B	chr20	protein_coding
ENSG00000177715.12	2.0590000	3.5220287	4.96E-11	1.30E-10	0.96	0.83	8.92	11.12	DENND2D	DENND2 domain containing 2D	chr19	protein_coding
ENSG00000105703.13	1.7089943	1.7590881	1.18E-08	8.76E-08	0.08	0.15	0.1	0.0	ZNF85	zinc finger protein 85	chr19	protein_coding
ENSG0000017888.7	3.458021	1.717278	6.93E-05	0.0028999	0.01	0.02	0.02	0.09	ZNF94	zinc finger and BTB domain containing 41	chr1	protein_coding
ENSG00000179919.14	2.8595701	2.5079329	0.0073015	0.0193794	0.04	0.02	0.01	0	ZNF154	zinc finger protein 154	chr19	protein_coding
ENSG00000124302.11	5.0263018	2.9716376	0.010455	0.0258274	0.0	0.04	0.0	0.05	CHST8	carbohydrate (N-acetylglucosamine 4-O) sulfotransferase 8	chr19	protein_coding
ENSG00000238919.11	8.349264	0.6331438	1.75E-16	3.17E-15	0.5	0.59	0.0	0	RP11-7F173	...	chr19	antisense
ENSG00000103819.9	4.9787459	1.3399184	3.69E-08	2.59E-07	0.0	0.1	0.1	0.14	ASPA	aspartoacylase	chr19	protein_coding
ENSG00000278107.11	5.0252555	1.1285772	0.010455	0.0258274	0.0	0.34	0.0	0	RP11-162A1	...	chr18	antisense
ENSG00000191782.11	1.2892708	0.2488936	0.0027503	0.008227	0.06	0.04	0.29	0.22	ZNF76A	zinc finger protein 76A	chr18	protein_coding
ENSG00000125454.12	3.2582906	2.72723	3.35E-22	4.02E-20	4.02	3.58	0.55	0.51	BGALNT1	beta-14-N-acetyl-galactosaminyl transferase 1	chr12	protein_coding
ENSG00000073140.10	4.8742027	0.1289203	6.93E-20	1.66E-19	0.2	0.23	0.0	0.01	SCN1A	sodium channel, voltage gated, type IV alpha subunit	chr17	protein_coding
ENSG00000168663.3	4.3572847	2.3236041	0.0004569	0.0100457	0.15	0.16	0.0	0	UNC00173	long intergenic non-protein coding RNA-173	chr12	antisense
ENSG00000241860.5	4.7270385	3.141721	0.0188973	0.0451957	0.0	0.04	0.0	0.01	RP11-34P13	...	chr1	antisense
ENSG00000119547.5	4.6804043	0.3947398	7.61E-19	1.68E-17	0.04	0.11	0.0	0	ONECUT2	one cut homeobox 2	chr18	protein_coding
ENSG00000234801.11	2.94048	1.6053989	2.94E-11	3.12E-10	0.43	0.29	2.32	2.6	UNC00163	long intergenic non-protein coding RNA-163	chr21	antisense
ENSG00000241945.6	6.2250093	1.9027551	2.79E-39	2.06E-37	1.72	1.92	0.03	0.03	PWP2	PWP2 periodic tryptophan protein homolog (yeast)	chr18	protein_coding
ENSG00000187840.4	3.0613069	8.7920923	2.14E-23	6.57E-22	626.89	629.94	104.47	91.81	E14BEP1	eukaryotic translation initiation factor 4E binding protein 1	chr4	protein_coding
ENSG00000256403.2	3.35544692	1.3737368	4.23E-06	2.02E-05	0.0	0.03	0.09	0.31	C15C	cathepsin O	chr5	protein_coding
ENSG00000167460.13	1.9232913	3.9265205	2.72E-23	3.35E-22	226.0	297.03	62.58	101.74	TPM4	trypomastix	chr19	protein_coding
ENSG00000319797.9	0.0034757	1.6702601	0.0034564	0.0100343	0.16	0.16	0.03	0.08	NPB	neuropeptide B	chr19	protein_coding
ENSG00000246740.2	5.4743381	2.7360128	0.0018808	0.0049521	0.0	0.09	0.05	0.05	PLAG4E-AS	PLAG4E antisense RNA 1	chr15	antisense
ENSG00000069410.10	1.0612319	0.8282828	0.0004569	0.0100457	0.13	0.13	0.06	0.45	TM6ABR8	transmembrane protein 8	chr15	antisense
ENSG00000131023.11	2.1781896	0.95447493	4.80E-09	3.84E-08	0.08	0.06	0.24	0.6	LATS1	large tumor suppressor kinase 1	chr6	protein_coding
ENSG00000269314.2	1.3556157	1.0420815	9.74E-05	0.0003906	0.52	0.61	0.31	0.28	MAGIX	MAGIX family member, X-linked	chrX	protein_coding
ENSG00000125927.7	1.0287313	4.9183086	1.29E-07	1.30E-09	0.47	0.44	0.27	0.4	HOCWAT	homeobox domain containing 27	chr19	protein_coding
ENSG00000268895.4	5.1754454	0.11245303	6.58E-21	1.69E-19	0.35	0.86	0.0	0.04	AIBG-AS1	AIBG antisense RNA 1	chr19	antisense
ENSG00000163619.7	2.0459938	1.372639	0.0068945	0.0234732	0.01	0.04	0.14	0.14	KIAA1407	KIAA1407	chr19	protein_coding
ENSG00000259011.3	2.3294395	4.7436389	5.01E-05	6.76E-05	0.06	0.11	0.12	8.97	RFP11	ribonuclease P RNA component H1	chr14	protein_coding
ENSG00000258704.4	1.7050002	0.597212	0.0033978	0.0112705	0.23	0.14	0.95	0.69	SRP54-AS1	SRP54 antisense RNA 1 (head to head)	chr18	antisense
ENSG00000266278.11	4.5469139	0.7949718	9.75E-23	2.69E-21	1.31	0.72	0.06	0.05	RP11-41044	...	chr18	antisense
ENSG0000015376.14	1.0709603	6.932532	0.0004569	0.0100457	34.4	32.19	0.38	32.19	CHST8	carbohydrate associated protein 2	chr18	antisense
ENSG00000258704.4	1.7050002	0.597212	0.0033978	0.0112705	0.23	0.14	0.95	0.69	SRP54-AS1	SRP54 antisense RNA 1 (head to head)	chr18	antisense
ENSG00000266278.11	4.5469139	0.7949718	9.75E-23	2.69E-21	1.31	0.72	0.06	0.05	RP11-41044	...	chr18	antisense
ENSG0000015376.14	1.0709603	6.932532	0.0004569	0.0100457	34.4	32.19	0.38	32.19	CHST8	carbohydrate associated protein 2	chr18	antisense
ENSG00000180275.2	1.2126174	4.2088579	2.47E-12	2.98E-11	6.71	6.83	1.99	2.15	TNFRSF21	tumor necrosis factor receptor superfamily, member 21	chr15	protein_coding
ENSG00000139919.5	1.6985181	1.1728451	4.98E-08	3.47E-07	0.1	0.1	0.1	0	HABP2L3	HABP2 domain containing 2-like 1	chr15	protein_coding
ENSG00000146712.12	1.9893716	1.1166706	0.0032876	0.0118885	0.01	0.01	0.06	0.05	RGMA	regulator of G-protein signaling, family member A	chr15	protein_coding
ENSG00000197059.9	1.63150425	1.4978137	0.0067819	0.0183745	0.82	0.07	0.26	0.11	GALST3A	galactose-3-O-sulfotransferase 4	chr19	protein_coding
ENSG00000224957.4	2.9581789	1.6293289	0.0004569	0.0100457	2.86	2.10	0.89	2.69	TNFRSF9	tumor necrosis factor (ligand) superfamily, member 9	chr19	protein_coding
ENSG00000146230.10	2.12260199	0.30721656	2.76E-07	2.13E-06	0.04	0.06	0.14	0.31	MMS22L	MMS22-like DNA repair protein	chr6	protein_coding
ENSG00000159666.6	1.7188329	0.5724202	0.0004569	0.0100457	0.01	0.11	0.1	0.42	EG3NH7	UDP-GlcNAc6Syl-Gal beta-1,3-N-acetylglucosaminyltransferase 7	chr2	protein_coding
ENSG00000103946.15	1.6140176	1.7616534	3.24E-04	4.18E-03	5.86	4.31	0.27	0.78	AKAP1	A-kinase anchoring protein 1	chr2	protein_coding
ENSG0000015756.11	2.0123246	7.2653321	9.12E-12	1.03E-10	82.67	62.1	25.22	22.56	HPCAL1	hippocalin-1	chr2	protein_coding
ENSG00000044418.16	1.1116364	7.8264209	5.48E-05	0.0023139	279.39	227.73	163.84	137.79	PHF11	phosphohistidine chaperonase 1	chr9	protein_coding
ENSG00000133453.6	2.1629383	0.8929476	6.31E-07	7.02E-06	2.4	2.1	0.32	0.0	CACNB2	calcium channel, voltage-dependent, gamma subunit 2	chr19	protein_coding
ENSG00000144488.13	3.5831961	2.0171413	5.36E-25	1.86E-23	2.1	1.57	0.15	0.26	ESPNL	espin-like	chr9	protein_coding
ENSG00000159889.8	1.8818995	0.5138729	3.01E-16	8.94E-15	0.03	0.06	0.11	0.5	MRP2L3	multidrug resistance protein zero-like 3	chr11	protein_coding
ENSG00000270318.1	4.8961988	0.6057057	4.28E-23	1.29E-21	1.04	0.73	0.02	0.05	CLDORF32-AS	CLDORF32-AS1 readthrough (NM0 candidate)	chr10	antisense
ENSG00000228800.5	5.7556012	0.1972329	4.66E-19	1.05E-17	0.87	0.55	0.03	0	CACTIN-AS1	CACTIN antisense RNA 1	chr10	antisense
ENSG00000129866.6	1.2568995	1.6293289	0.0004569	0.0100457	0.19	0.19	0.06	0.91	HCOR1B	homeobox domain containing 1B	chr10	protein_coding
ENSG00000450022.11	2.2103643	0.0979475	8.82E-08	5.94E-07	1.16	0.87	0.28	0.3	FAM682	family with sequence similarity 86, member 2	chr8	protein_coding
ENSG00000205413.6	2.6841763	0.8934084	1.94E-06	1.07E-05	0.0	0.03	0.04	0.21	SAMD9	sterile alpha motif domain containing 9	chr19	protein_coding
ENSG00000253252.7	1.9230251	1.0000000	1.29E-07	1.30E-09	0.18	0.13	0.11	0.19	TUSC1	tumor suppressor 1	chr22	protein_coding
ENSG00000162852.12	1.7812157	1.0653262	7.09E-07	4.18E-06	0.17	0.09	0.26	0.66	CNST	connorsin, connorsin sorting protein	chr1	protein_coding
ENSG00000224068.1	1.9566938	1.8174398	0.0067596	0.0162945	0.04	0.06	0.28	0.26	RP4-62ZL5.7	...	chr1	antisense
ENSG0000015387.7	1.021418	3.0702036	0.0004569	0.0100457	9.77	46.0	0.21	4.8	SMPD2	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)	chr1	protein_coding
ENSG0000021297.11	1.5478303	6.3451291	1.09E-07	7.30E-07	53.6	48.1	18.66	27.94	CDKN1C	cyclin-dependent kinase inhibitor 3 (p57, Kip2)	chr11	protein_coding
ENSG00000241632.6	4.8791149	3.0678699	0.0188973	0.0519557	0.0	0.0	0.0	0.05	UGT1A1	UDP-glucuronosyltransferase 1 family, polypeptide A1	chr2	protein_coding
ENSG00000170729.6	1.8742245	0.5138729	3.01E-16	8.94E-15	0.03	0.06	0.11	0.5	MRP2L3	multidrug resistance protein zero-like 3	chr11	protein_coding
ENSG00000180638.16	5.0263018	2.9716376	0.010455	0.0258274	0.0	0.03	0.06	0.05	SLC47A2			

ENSG00000157764.11	1.15138451	1.01779057	0.0009889	0.0023251	0.44	0.34	1.28	1.05	BRAF	B-Raf proto-oncogene, serine/threonine kinase	chr7	protein_coding
ENSG00000197509.9	1.8603283	-0.366235	9.7E-05	0.0033966	0.05	0.06	0.33	0.24	ZNF420	zinc finger protein 420	chr19	protein_coding
ENSG0000027644.4	-3.5817465	-2.6400807	0.00327	0.0094516	0.03	0.03	0	0.01	INSR	insulin receptor-related receptor	chr1	protein_coding
ENSG00000180909.11	1.2024844	3.13604188	7.40E-05	0.0003087	0.65	0.98	2.31	2.69	AP3M1	adaptor-related protein complex 3, mu 1 subunit	chr10	protein_coding
ENSG00000133881.14	-1.789757	5.2091545	1.29E-09	1.98E-08	4.25	5.61	1.82	1.96	TMT1	transmembrane and tetrapeptide repeat containing 1	chr12	protein_coding
ENSG00000189042.12	3.97139922	0.1752234	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	MTRF1	mitochondrial tssion process 1	chr22	protein_coding
ENSG00000208611.1	4.97093931	-3.045493	0.0010465	0.0293742	0	0	3.42	0	SNORD24	small nucleolar RNA C/D box 24	chr19	scaRNA
ENSG00000137337.13	-2.068783	6.78900377	2.80E-12	3.34E-11	16.36	20.38	6.13	5.51	MDC1	mediator of DNA-damage checkpoint 1	chr6	protein_coding
ENSG00000205152.1	1.9893089	-0.560653	3.32E-05	0.0001467	0.08	0.01	0.27	0.24	RP11-331F4.1	TEC	chr20	protein_coding
ENSG00000124010.11	0.9447864	0.0168635	1.82E-06	1.53E-09	0.19	0.19	0.07	1.03	SLC2A5	solute carrier family 12 (potassium/chloride transporter), member 5	chr15	protein_coding
ENSG00000103811.14	3.6907027	6.41345232	5.65E-31	2.72E-29	3.92	5.14	79.01	76.55	C15H1	cathepsin H	chr15	protein_coding
ENSG00000277938.1	-1.367626	0.28162953	0.0003073	0.0011156	0.46	0.53	0.17	0.33	RP5-965G21	lincRNA	chr20	lincRNA
ENSG00000150161.16	1.19439896	1.9920243	0.0002032	0.00076736	0.36	0.38	0.83	1.45	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	chr4	protein_coding
ENSG0000027838.1	-5.7793242	-2.7087353	0.0004761	0.00167191	0.26	0.14	0	0	RP11-213J1P.1	lincRNA	chr22	lincRNA
ENSG0000020498.9	-1.4624242	6.5149762	4.85E-07	2.94E-06	70.3	76.79	38.45	34.53	NKRF1L1	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1	chr6	protein_coding
ENSG00000275764.1	4.6655413	-0.7689815	5.75E-11	5.92E-10	0	0.03	0.31	0.79	RP11-582E3.1	lincRNA	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	chr16	protein_coding
ENSG00000175959.7	-1.1711028	6.412139	1.13E-05	5.42E-05	48.71	57.48	30.38	26.13	FCSL1	FCS-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
ENSG000001084070.10	-1.0776268	4.96528978	0.0002104	0.00079194	13.47	12.29	8.93	7.3	SNAP2	small ARF/GAP2	chr1	protein_coding
ENSG00000153181.17	2.8952895	2.4348212	4.6E-13	5.72E-12	0.11	0.11	0.72	0.79	UTRN	urotrophin	chr1	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	Mt_rRNA
ENSG00000251399.4	2.0759419	-0.4920494	1.59E-05	7.44E-05	0.07	0.11	0.47	0.54	WWC2-AS2	WWC2 antisense RNA 2	chr4	lincRNA
ENSG00000168939.9	-5.1891246	-1.7494947	3.05E-14	4.53E-13	0.09	0.11	0	0.01	SPRY3	sprouty homolog 3 (Drosophila)	chr2	protein_coding
ENSG00000201195.1	6.42571756	-0.0976664	3.03E-06	1.62E-05	0	0	0.38	0.07	ZNF638-IT1	ZNF638 intronic transcript 1	chr11	processed_transcript
ENSG00000149664.10	1.15470035	-0.0295552	0.00401545	0.0122953	0.39	0.11	0.81	0.67	ESAM	endothelial cell adhesion molecule	chr11	protein_coding
ENSG00000182183.13	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	1.5861985	1.93937423	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
ENSG00000303099.9	1.40811195	1.08625472	5.52E-05	0.00023355	0.18	0.11	0.33	0.7	LYRM2	LYR motif containing 2	chr6	protein_coding
ENSG00000182010.9	2.9851298	-1.3398833	1.43E-05	6.79E-05	0.01	0	0.04	0.08	RITK2	ribothen 2	chr10	protein_coding
ENSG00000187161.10	-1.8478846	3.1161934	2.09E-09	1.89E-08	4.74	5.36	1.89	1.92	C12H1	cyathane gamma-lyase	chr19	protein_coding
ENSG00000183401.10	1.33548778	2.0033303	3.44E-05	0.00015143	1.39	1.17	4.82	3.77	CDC119	coiled-coil domain containing 159	chr10	protein_coding
ENSG00000176022.4	-1.7089719	6.05134466	9.05E-05	0.00036785	26.7	26.38	15.33	17	REGAL7B	UDP-galactose 4-epimerase polypeptide 6	chr17	protein_coding
ENSG00000270885.1	1.1012682	5.3498783	0.00036146	0.00129847	4.3	3.59	2.4	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	RP11-103H7.1	lincRNA	chr8	lincRNA
ENSG00000189189.11	1.3024489	-0.387244	0.0001093	0.0004524	0.05	0.08	0.07	0.17	OSBP4	occludin specific peptidase 46	chr1	protein_coding
ENSG0000067141.15	6.93228084	6.30381051	2.32E-73	1.14E-70	0.12	0.17	24.08	21.82	NEO1	neogenin 1	chr15	protein_coding
ENSG00000202010.1	4.57135599	1.54104434	4.02E-26	1.49E-24	0.1	0.6	8.74	12.39	ARPD01059.5	arrestin 5	chr21	antisense
ENSG00000168765.14	-10.424416	4.4186104	1.89E-82	1.82E-79	7.44	6.91	0	0.01	GSTM4	glutathione S-transferase mu 4	chr15	protein_coding
ENSG00000183426.14	-1.7061383	0.21187133	1.11E-05	5.38E-05	0.73	1.6	0.37	0.57	NP1PA1	nuclear pore complex interacting protein family, member A1	chr16	protein_coding
ENSG00000151208.15	16.3639196	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
ENSG00000282025.1	-1.3513333	2.272716	1.88E-05	8.57E-05	5.6	6.15	3.61	2.51	AC019183.3	TEC	chr7	TEC
ENSG00000277324.1	5.37402558	-2.7967694	0.0018008	0.0049521	0	0	0.21	0	RP11-850A1.1	antisense	chr18	antisense
ENSG00000249860.12	1.00953315	6.44477228	0.0004522	0.00160336	14.62	17.93	35.59	52.08	HEXB	hexosaminidase B (beta polypeptide)	chr5	protein_coding
ENSG00000121380.16	1.33388276	5.4762939	4.71E-06	2.44E-05	7.04	9.23	22.97	32.44	FRS1	fibroblast growth factor receptor 1	chr3	protein_coding
ENSG00000247708.6	-1.1361753	0.13682159	0.0038989	0.01067581	0.1	0.29	0.14	0.1	STX18-AS1	STX18 antisense RNA 1 (head to head)	chr13	antisense
ENSG0000017292.13	1.6996042	2.37243134	1.05E-07	7.02E-07	0.33	0.21	0.92	1.4	CEB56	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	HOCXB13	homeobox B13	chr17	protein_coding
ENSG00000269040.1	-5.8632571	3.01819579	1.14E-46	1.32E-44	3.76	3.83	0.07	0.11	RP11-800A3.1	antisense	chr11	antisense
ENSG00000187074.7	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	-2.0956576	0.0205181	0.04824221	0.03	0.03	0.26	0.08	RP4-758J24.1	TEC	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
ENSG00000149313.9	2.272154	2.46204113	3.18E-12	3.78E-11	0.4	0.63	2.46	4.17	ASDHPPT	aminoacidipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	chr11	protein_coding
ENSG00000163887.12	2.2041172	-1.2653566	0.0002593	0.00094973	0.05	0.02	0.25	0.2	DNASE1L3	deoxyribonuclease 1-like 3	chr9	protein_coding
ENSG00000309539.12	1.38822953	5.38764598	1.96E-06	1.09E-05	3.52	3.42	12.41	11.76	DFNB31	deafness, autosomal recessive 31	chr9	protein_coding
ENSG00000131025.9	7.7313256	-1.0389136	1.78E-12	2.43E-11	0	0.11	0.11	0.14	GRP198	G protein-coupled receptor 198	chr10	protein_coding
ENSG00000210662.14	2.04772914	0.13747159	1.03E-06	5.92E-06	0.12	0.12	0.46	0.84	MTRF1	mitochondrial translational release factor 1	chr13	protein_coding
ENSG0000013389.14	-2.9778007	3.9352598	6.50E-21	1.67E-19	2.42	2.61	0.33	0.52	NPR3	natriuretic peptide receptor 3	chr5	protein_coding
ENSG00000166450.11	1.90749812	-0.271663	2.12E-05	9.70E-05	0.01	0.03	0.09	0.13	PRTG	protoporphyrin	chr15	protein_coding
ENSG00000138999.9	-1.9228224	0.95616254	7.40E-08	5.08E-07	0.76	1.16	0.29	0.38	CBLN3	cerebellin 3 precursor	chr15	protein_coding
ENSG00000205383.18	-1.9880866	6.20078132	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	1.26434316	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
ENSG0000029890.1	1.0987507	2.00055834	0.000563	0.00195285	7.57	5.08	16.92	19.35	RP11-37C7.1	antisense	chr15	processed_transcript
ENSG0000022718.5	1.06883275	5.16863857	0.00039426	0.0039747	4.86	4.64	10.38	16.44	DHRF	dihydrofolate reductase	chr5	protein_coding
ENSG0000011647.11	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	0.11	0.66	HIST1H3A	histone cluster 1, H3a	chr6	protein_coding
ENSG00000068978.13	1.78646839	3.8978972	1.05E-08	8.22E-08	0.36	0.4	1.13	2.36	PCNA4	proliferating cell nuclear antigen subunit 4	chr10	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
ENSG00000200200.11	6.24952512	-2.2192205	1.55E-05	7.28E-05	0	0	0.05	0.09	PRPBP1	retinitis pigmentosa GTPase regulator interacting protein 1	chr14	protein_coding
ENSG00000257207.5	4.9260007	-3.03639124	0.0188973	0.04519567	0	0	0.05	0.03	AC108938.5	antisense	chr14	antisense
ENSG00000134775.14	-1.7983856	2.68837616	9.32E-09	7.17E-08	1.49							