

Supplementary Files

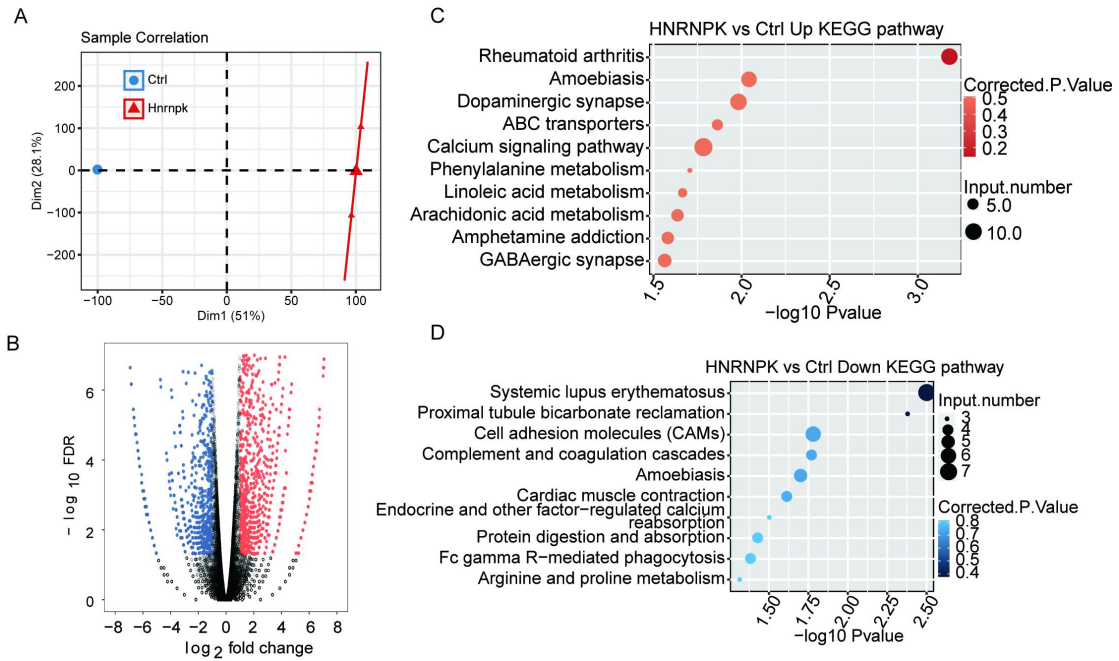


Figure S1. HNRNPK overexpression regulated the global transcriptome profile in HeLa cells.

- Principal component analysis (PCA) result showing the clear separation between HNRNPK-OE and Ctrl samples.
- Volcano plot showing the differentially expressed genes (DEGs) between HNRNPK-OE and Ctrl samples. Red and blue points represented upregulated and downregulated genes, respectively.
- Bubble plot showing the top ten KEGG pathways of upregulated genes.
- Bubble plot showing the top ten KEGG pathways of downregulated genes.

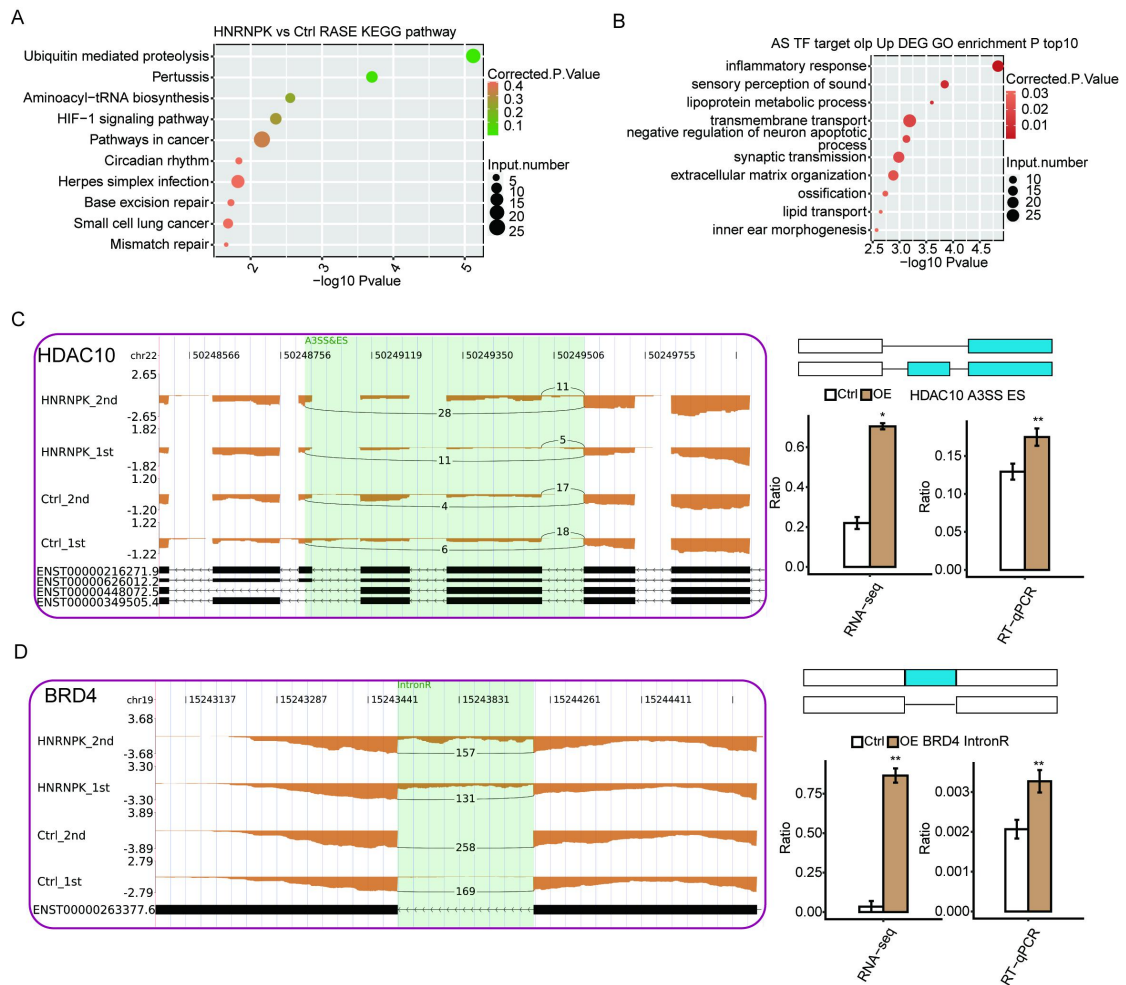


Figure S2. HNRNP overexpression influenced the alternative splicing profile in HeLa cells.

- Bubble plot showing the top ten KEGG pathways of RASGs predicted in this study.
- Bubble plot showing the top ten GO BP terms of the overlapped genes between TF targets and up DEGs.
- Validation of A3SS&ES event from HDAC10. The number of junction reads was marked on the line representing RASE-associated splice junctions. The structure of the RASE was depicted in the top-right panel. The altered RASE ratio between RNA-sequencing and in RT-qPCR result were calculated and plotted (right panel, bottom).
- Validation of intron retention event from BRD4. The detail information had been described in C.

Table S1. Primers sets, related to the experimental procedures.

RT-qPCR primers for gene expression qualification.

Gene	Primer	Sequence (5'-3')	Related Figures
GAPDH	Forward	CGGAGTCAACGGATTTGGTCGTAT	Figure 1
	Reverse	AGCCTTCTCCATGGTGGTGAAGAC	
HNRNPK	Forward	GCCCTGCAGAAGATATGGAA	Figure 1
	Reverse	CACTGCTGTCTGGGACTGAA	

RT-qPCR primers for DEGs.

DEGs	Primer	Sequence (5'-3')	Related Figures
CCL5	Forward	CCTGCTGCTTTGCCTAC	Figure 5
	Reverse	AGGTTGGGTCGTCAGC	
CPEB4	Forward	TGGATTCTTGGATGATGG	Figure 5
	Reverse	TTACCCCTTTCTCACCTT	
MSX1	Forward	GTGCCTCGCTCTACGGT	Figure 5
	Reverse	CCTTTGACTCCCGTCTC	
BCL6	Forward	TTGCAACATCTGTGGGG	Figure 5
	Reverse	CTTCGGGATGTTTACGC	
APOE	Forward	GGTCGCTTTTGGGATT	Figure 5
	Reverse	GAGGGTCCAGTGGGTC	
SCN1B	Forward	CGTGTATGGGATGACCTT	Figure 5
	Reverse	TCTTCCCGTGACTCCTCA	
CDKN2D	Forward	AGGAGGGAGGGTGAAGTA	Figure 5
	Reverse	GAAACGTCCGGCGG	

RT-qPCR primers for RASEs.

RASGs	Primer*	Sequence (5'-3')	Related Figures
BRD4	M-F	CGTTGTGCAAAGCTGGAGGAGA	Figure S2
	AS-F	CACGGCTCACCTGGAGGAGA	
	M/AS-R	CCACTTCACCCAGCCCATCC	
HSF1	M/AS-F	ATCCAAGAGCTCCTGTCTCC	Figure 4
	AS-R	AGCTGCTTCCCTGAATCCGG	
	M-R	TAGTGCACCAGCTGAATCCGG	
HDAC10	M-F	GTAAAGGACGCTGGGGTCAT	Figure S2
	AS-F	GAGTCAAATCCTGGGGTCAT	
	M/AS-R	TCGTGGACTGGGATGTGC	
IRF1	M-F	TGCTCCAAGAGCTGGAGTCAG	Figure 4
	AS-F	CCAATATCCCCTGGAGTCAG	
	M/AS-R	CTCTGCCTGATGACCACA	

* M: model; AS: alternative spliced; F: forward; R: reverse.

Table S2. Detailed information on the DEGs.

Gene	logFC	logCPM	PValue	FDR	Ct1st	Ct2nd	Hnr1st	Hnr2nd	Symbol	Chr	GeneType	Description
ENSG00000204444.10	-1.363038589	-0.12667311	6.71E-05	0.001113296	0.68	0.75	0.19	0.3	APOM	chr6	protein_coding	apolipoprotein M
ENSG00000106624.8	-3.190558554	-1.924196709	8.83E-05	0.001376364	0.12	0.04	0.01	0	AEBP1	chr7	protein_coding	AE binding protein 1
ENSG00000268975.1	-1.025973248	1.396188456	8.36E-06	0.000199174	3.07	2.47	1.32	1.05	MIA-RAB4B	chr19	protein_coding	MIA-RAB4B readthrough (NMD candidate)
ENSG00000259205.2	1.377056292	-0.407769897	7.63E-05	0.001229386	0.19	0.52	0.71	0.95	PRKXP1	chr15	processed_pseudogene	protein kinase, X-linked, pseudogene 1
ENSG00000180279.5	-5.656635354	-2.632982121	0.000305021	0.003673222	0.03	0.35	0	0	MGC45922	chr19	lincRNA	
ENSG00000279474.1	6.215668795	-2.493259686	2.24E-05	0.000452395	0	0	0.21	0	CTD-2286N8.1	chr18	TEC	
ENSG00000228643.1	5.119080049	-1.638826874	4.75E-11	4.67E-09	0.07	0	1.09	1.52	AC079779.4	chr2	processed_transcript	
ENSG00000227972.1	3.234685255	-1.393017069	3.23E-08	1.73E-06	0.05	0.01	0.24	0.26	PRKRIP3	chr10	processed_pseudogene	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of

																(P58 repressor) pseudogene 3
ENSG00000261399.1	-5.845005344	-2.508717663	0.00015816	0.002180283	0	0.87	0	0	0	LA16c-329F2.1	chr16	antisense				
ENSG00000202198.1	-1.195305547	4.573493695	1.02E-12	1.29E-10	127.37	72.93	48.95	27.43	0	RN7SK	chr6	misc_RNA	RNA, 7SK small nuclear			
ENSG00000126266.3	2.511535562	-1.905653919	0.00018579	0.002503941	0.03	0.02	0.21	0.08	0	FFAR1	chr19	protein_coding	free fatty acid receptor 1			
ENSG00000224786.1	-2.406028246	-2.446976841	0.008668518	0.04710187	0.44	0.44	0.12	0	0	CETN4P	chr4	unitary_pseudogene	centrin EF-hand protein 4, pseudogene			
ENSG00000225938.1	-2.537281395	-1.96500019	0.000820481	0.008126743	0.73	0.82	0.21	0	0	RP4-575N6.4	chr1	antisense				
ENSG00000227210.1	-3.17329237	-2.567163822	0.00221421	0.016979913	0.35	0.33	0.05	0	0	AC079145.4	chr2	antisense				
ENSG00000267283.1	1.038247711	-0.700461096	0.008889505	0.048005514	0.24	0.89	1.21	0.86	0	AC005306.3	chr19	processed_transcript				
ENSG00000276890.1	5.410622832	-2.99023964	0.002223255	0.016979913	0	0	0	1	0	Metazoa_SRP	chr3	misc_RNA				
ENSG00000244378.1	-6.014723127	-2.392632659	4.29E-05	0.000773691	0.09	0.11	0	0	0	RPS2P45	chr16	transcribed_processed_pseudogene	ribosomal protein S2 pseudogene 45			
ENSG00000206341.7	-1.236211785	0.555964152	9.59E-06	0.000224398	2.11	1.42	0.73	0.57	0	HLA-H	chr6	unprocessed_pseudogene	major histocompatibility complex, class I, H (pseudogene)			
ENSG00000271237.1	6.388324764	-2.37443784	3.25E-06	9.05E-05	0	0	0.52	0.36	0	RP11-140C5.3	chr10	processed_pseudogene				
ENSG00000081248.10	-5.186692316	-2.918418303	0.004334073	0.028324191	0.04	0	0	0	0	CACNA1S	chr1	protein_coding	calcium channel, voltage-dependent, L type, alpha 1S subunit			
ENSG00000279686.1	3.633236666	-1.674619842	7.38E-08	3.60E-06	0.03	0.05	0.31	0.63	0	ECSCR	chr5	protein_coding	endothelial cell surface expressed chemotaxis and			

																						apoptosis regulator
ENSG00000279649.1	-5.036234388	-3.002035067	0.008472213	0.046592746	0.02	0.07	0	0	RP11-96D1.8	chr16	TEC											
ENSG00000224416.2	3.890288737	-0.865278068	2.33E-14	3.55E-12	0.19	0.04	1.55	1.6	IFNA22P	chr9	unprocessed_pseudogene											interferon, alpha 22, pseudogene
ENSG00000160188.9	1.232232145	-0.452415241	0.000508131	0.005604127	0.32	0.27	0.54	0.68	RSPH1	chr21	protein_coding											radial spoke head 1 homolog (Chlamydomonas)
ENSG00000274012.1	-1.759881757	3.053308781	2.13E-20	6.57E-18	52.58	31.58	14.05	7.54	Metazoa_SRP	chr14	misc_RNA											
ENSG00000249395.2	-1.98477052	-1.098605127	7.61E-05	0.001226711	0.74	0.33	0.2	0.03	CASC9	chr8	lincRNA											cancer susceptibility candidate 9 (non-protein coding)
ENSG00000213886.3	-1.180380696	-0.412646301	0.001339122	0.011593841	0.99	0.73	0.37	0.29	UBD	chr6	protein_coding											ubiquitin D
ENSG00000132141.13	1.333313129	-0.823085085	0.001342165	0.011604924	0.23	0.09	0.41	0.3	CCT6B	chr17	protein_coding											chaperonin containing TCP1, subunit 6B (zeta 2)
ENSG00000267980.1	-2.741455216	-2.234552378	0.000982727	0.009290055	0.32	0.34	0.08	0	AC007292.6	chr19	antisense											
ENSG00000261172.1	-5.754835002	-2.568965058	0.000305021	0.003673222	0.08	0.32	0	0	RP11-356C4.5	chr16	lincRNA											
ENSG00000267213.4	-1.690945941	-0.577659936	4.23E-05	0.000773691	0.94	0.89	0.12	0.39	AC007773.2	chr19	antisense											
ENSG00000255408.3	5.056889643	-3.172374913	0.008472213	0.046592746	0	0	0	0.03	PCDHA3	chr5	protein_coding											protocadherin alpha 3
ENSG00000227028.6	5.056889643	-3.172374913	0.008472213	0.046592746	0	0	0	0.06	SLC8A1-AS1	chr2	antisense											SLC8A1 antisense RNA 1
ENSG00000279088.1	-1.096988469	1.557189342	8.51E-07	3.02E-05	2.77	3.49	1.84	0.69	RP11-574K11.24	chr10	TEC											
ENSG00000132874.13	5.557968412	-2.907744202	0.001143578	0.010265309	0	0	0.01	0.05	SLC14A2	chr18	protein_coding											solute carrier family 14 (urea transporter), member 2

ENSG00000223711.1	1.989046624	-1.867154617	0.002199953	0.016979913	0	0.22	0.46	0.35	AC091633.3	chr3	antisense	
ENSG00000100626.16	-2.813351479	-2.185805038	0.002010241	0.016171467	0.04	0.04	0	0	GALNT16	chr14	protein_coding	polypeptide N-acetylgalactosaminyltransferase 16
ENSG00000241959.3	5.24452133	-3.078482142	0.004334073	0.028324191	0	0	0	0.87	RN7SL76P	chr7	misc_RNA	RNA, 7SL, cytoplasmic 76, pseudogene
ENSG00000227536.1	2.913595433	-2.5540114	0.005060939	0.032002387	0.03	0	0.11	0.14	SOCS5P4	chrX	processed_pseudogene	suppressor of cytokine signaling 5 pseudogene 4
ENSG00000259933.6	2.315198398	0.261715808	7.34E-14	1.04E-11	0.59	1.01	3.09	3.97	RP11-304L19.1	chr16	sense_overlapping	
ENSG00000239257.1	2.383850723	-1.987386316	0.000501584	0.005548178	0.29	0	0.73	0.6	RPL23AP1	chr6	transcribed_processed_pseudogene	ribosomal protein L23a pseudogene 1
ENSG00000197599.12	2.785310657	0.170075365	1.20E-16	2.47E-14	0.17	0.06	0.68	0.68	CCDC154	chr16	protein_coding	coiled-coil domain containing 154
ENSG00000213830.3	-1.096303964	-0.468116742	0.002894424	0.021063952	2.04	1.48	0.74	0.69	CFL1P5	chr5	processed_pseudogene	cofilin 1 (non-muscle) pseudogene 5
ENSG00000237412.6	-3.170190653	-2.5680532	0.00221421	0.016979913	0.015	0.1	0	0.01	PRSS56	chr2	protein_coding	protease, serine, 56
ENSG00000264672.5	-2.406766414	-2.446561598	0.008668518	0.04710187	0.17	0.1	0.04	0	SEPT4-AS1	chr17	antisense	SEPT4 antisense RNA 1
ENSG00000196152.10	1.081980527	4.388761824	1.20E-10	1.10E-08	5.91	5.87	11.13	10.7	ZNF79	chr9	protein_coding	zinc finger protein 79
ENSG00000254459.1	-2.955643382	-2.697538561	0.007234971	0.042343871	0.28	0.26	0.05	0	RP11-91P24.7	chr11	antisense	
ENSG00000274897.2	-1.18887143	-0.92613224	0.008740673	0.047395965	0.24	0.5	0.08	0.21	PANO1	chr11	protein_coding	proapoptotic nucleolar protein 1
ENSG00000131067.16	2.622252657	-2.073463775	0.000252727	0.003208238	0.02	0.02	0.06	0.17	GGT7	chr20	protein_coding	gamma-glutamyltransferase 7
ENSG00000223711.1	-6.01	-2.39	4.29	0.00	0	0.0	0	0	C1orf22	chr1	lincRNA	chromosome 1 open

0002219	6902	1392	E-05	0773	17	5			9						reading frame 229
53.5	832	426		691											
ENSG000001559	3.580	-0.69	2.32	3.55	0.	0	0.21	0.13	KIF5A	chr12	protein_coding	kinesin family member 5A			
80.11	7226	7625	E-14	E-12	03										
ENSG000002015	3.746	-2.61	0.00	0.01	0.	0	0.87	1.53	RNVU1-6	chr1	snRNA	RNA, variant U1 small nuclear 6			
58.1	1693	7406	1221	0739	16										
ENSG000001154	-1.00	-0.33	0.00	0.02	0.	0.6	0.35	0.08	PECR	chr2	protein_coding	peroxisomal trans-2-enoyl-CoA reductase			
25.13	1294	3833	3801	6113	41	2									
ENSG000001807	2.394	-2.49	0.00	0.02	0.	0	0	0.07	WDFY3-AS2	chr4	processed_transcript	WDFY3 antisense RNA 2			
69.8	1805	0775	2941	1287	01										
ENSG000002795	-2.90	-1.70	4.12	0.00	0.	0.1	0.04	0	AC006486.10	chr19	TEC				
39.1	3942	4089	E-05	0758	22	5									
ENSG000002137	-1.44	0.738	1.22	5.57	0.	0.5	0.15	0.14	ZNF337-AS1	chr20	antisense	ZNF337 antisense RNA 1			
42.6	8857	5497	E-07	E-06	34	5									
ENSG000001877	2.558	2.795	6.76	6.36	0.	0.9	5.86	4.14	CARD9	chr9	protein_coding	caspase recruitment domain family, member 9			
96.13	3394	9363	E-37	E-34	99	5									
ENSG000001715	-5.03	-3.00	0.00	0.04	0.	0	0	0	OTP	chr5	protein_coding	orthopedia homeobox			
40.7	8905	0539	8472	6592	07										
ENSG000002259	5.056	-3.17	0.00	0.04	0	0	0	0.52	RP3-441A12.1	chr6	antisense				
45.1	8896	2374	8472	6592	0	0									
ENSG000001841	-3.94	-1.34	1.76	1.01	0.	0.1	0.01	0	GPR173	chrX	protein_coding	G protein-coupled receptor 173			
94.5	2431	6632	E-08	E-06	16										
ENSG000002745	5.815	-2.75	0.00	0.00	0	0	0.37	0.82	Metazoa_SRP	chr11	misc_RNA				
89.1	0679	4937	0305	3673	0	0									
ENSG000002043	1.669	7.303	9.00	4.23	29	30.	84.3	83.7	HSPA1B	chr6	protein_coding	heat shock 70kDa protein 1B			
88.6	7872	1010	E-25	E-22	.5	81	7	5							
ENSG000002726	1.340	-0.88	0.00	0.00	0.	0.1	0.16	0.27	RP11-344N10.5	chr10	lincRNA				
30.1	6755	0272	0880	8579	06	3									
ENSG000002270	1.330	0.347	3.13	8.96	2.	2.8	4.47	8.13	RP11-543P15.1	chr12	processed_pseudogene				
0002270	3336	4423	E-06	E-05	85										

ENSG00000186409.14	-2.307094515	-2.506168532	0.008668518	0.04710187	0.02	0.07	0.01	0	CCDC30	chr1	protein_coding	coiled-coil domain containing 30
ENSG00000228526.3	4.220239891	-1.206198421	6.55E-12	7.40E-10	0	0.19	2.37	1	RP3-510D11.1	chr1	lincRNA	
ENSG00000228801.5	-1.83494399	-0.189654332	2.20E-07	9.33E-06	0.91	0.5	0.28	0.05	RP11-110G21.1	chr8	antisense	
ENSG00000132821.11	-5.658860247	-2.631724583	0.000305021	0.003673222	0.1	0.09	0	0	VSTM2L	chr20	protein_coding	V-set and transmembrane domain containing 2 like
ENSG00000256196.1	-5.185932949	-2.918844076	0.004334073	0.028324191	0.25	0.06	0	0	RP11-881M11.4	chr11	antisense	
ENSG00000162599.15	-1.012699448	3.114004135	2.66E-08	1.45E-06	1.08	1.15	0.65	0.31	NFIA	chr1	protein_coding	nuclear factor I/A
ENSG00000248275.1	-1.486905869	-1.315374437	0.004374631	0.028477089	0.28	0.64	0.19	0.09	TRIM52-AS1	chr5	processed_transcript	TRIM52 antisense RNA 1 (head to head)
ENSG00000259424.1	-5.185173935	-2.919269738	0.004334073	0.028324191	0.48	0.31	0	0	RP11-35O15.1	chr15	antisense	
ENSG00000179841.8	1.549915456	0.815147543	1.81E-09	1.32E-07	0.1	0.14	0.34	0.27	AKAP5	chr14	protein_coding	A kinase (PRKA) anchor protein 5
ENSG00000104863.11	-1.276317292	0.034932398	9.35E-05	0.001439589	1.94	1.42	0.68	0.52	LIN7B	chr19	protein_coding	lin-7 homolog B (C. elegans)
ENSG00000220891.1	3.511929849	-2.754967938	0.004007345	0.027138454	0.01	0	0.01	0.1	LL22NC03-63E9.3	chr22	antisense	
ENSG00000224046.1	-1.953673222	-1.603889072	0.000908163	0.008751665	0.53	0.3	0.22	0	AC005076.5	chr7	antisense	
ENSG00000227234.1	1.326793746	-0.479874294	0.000195736	0.002606213	0.98	0.71	1.4	2.34	SPANXB1	chrX	protein_coding	SPANX family, member B1
ENSG00000262587.2	-2.024263139	-2.004972134	0.005507409	0.034137494	0.31	0.2	0.1	0	RP11-266L9.4	chr16	transcribed_unprocessed_pseudogene	

ENSG00000198028.3	5.241148358	-3.07997191	0.004334073	0.028324191	0	0	0.04	0.05	ZNF560	chr19	protein_coding	zinc finger protein 560
ENSG00000230666.5	4.684094243	-1.980290798	2.10E-08	1.18E-06	0	0.01	0.04	0.21	CEACAM22P	chr19	transcribed_unprocessed_pseudogene	carcinoembryonic antigen-related cell adhesion molecule 22, pseudogene
ENSG00000256128.5	4.277511936	-2.270056716	3.39E-05	0.0006418	0	0.02	0.36	0	LINC00944	chr12	lincRNA	long intergenic non-protein coding RNA 944
ENSG00000229721.3	5.237782528	-3.081460244	0.008472213	0.046592746	0	0	0.37	0	RP11-252i14.1	chr5	processed_pseudogene	
ENSG00000183484.11	2.429452	-0.817435716	1.67E-08	9.65E-07	0.03	0.06	0.29	0.13	GPR132	chr14	protein_coding	G protein-coupled receptor 132
ENSG00000229931.1	1.345493677	-0.013773787	1.83E-05	0.000385318	1.26	0.99	1.8	3.26	RP1-151F17.1	chr6	antisense	
ENSG00000181126.13	-2.244209198	-1.398490776	6.52E-05	0.001087748	0.08	0.1	0.03	0	HLA-V	chr6	transcribed_unprocessed_pseudogene	major histocompatibility complex, class I, V (pseudogene)
ENSG00000241316.6	1.559465446	-0.626771468	4.23E-05	0.000773691	0.1	0.13	0.38	0.19	SUCLG2-AS1	chr3	lincRNA	SUCLG2 antisense RNA 1 (head to head)
ENSG00000166428.12	3.740022019	-2.620561511	0.001221239	0.010739157	0	0	0.06	0	PLD4	chr14	protein_coding	phospholipase D family, member 4
ENSG00000273079.4	-2.404921584	-2.447599518	0.008668518	0.04710187	0	0.01	0	0	GRIN2B	chr12	protein_coding	glutamate receptor, ionotropic, N-methyl D-aspartate 2B
ENSG00000229127.1	-5.552830658	-2.6991417	0.000589815	0.006205402	0.04	0.12	0	0	AC007038.7	chr2	antisense	
ENSG00000117013.14	2.248151205	1.220266806	2.66E-19	7.01E-17	0.29	0.12	1.03	0.65	KCNQ4	chr1	protein_coding	potassium channel, voltage gated KQT-like subfamily Q, member 4
ENSG00000173334.3	1.269327478	5.441567614	9.97E-15	1.56E-12	6.93	6.21	15.13	12.6	TRIB1	chr8	protein_coding	tribbles pseudokinase 1
ENSG00000173334.3	7.208	-1.74	2.88	2.50	0	0	0.23	0.14	C6orf25	chr6	protein_coding	chromosome 6 open

ENSG00000269068.1	5.403084031	-2.9935843	0.002223255	0.016979913				0.470		RP11-256I23.2	chr2	antisense	
ENSG00000181029.8	1.437781826	-0.243558636	2.03E-05	0.000419168	0.05	0.1	0.18	0.2		TRAPPC5	chr19	protein_coding	trafficking protein particle complex 5
ENSG00000235888.1	2.440503103	-1.75171463	8.21E-05	0.001293661	0.02	0.09	0.3	0.24		AF064858.8	chr21	lincRNA	
ENSG00000270175.1	-1.430983166	-1.480865287	0.007831547	0.044897576	0.42	0.66	0.33	0		RP11-793H13.11	chr12	antisense	
ENSG00000155026.16	4.561798143	-2.070294219	7.29E-08	3.57E-06	0	0.01	0.05	0.13		RSPH10B	chr7	protein_coding	radial spoke head 10 homolog B (Chlamydomonas)
ENSG00000158764.6	5.403084031	-2.9935843	0.002223255	0.016979913	0	0	0.22	0		ITLN2	chr1	protein_coding	intelectin 2
ENSG00000229220.1	5.559637807	-2.907001505	0.001143578	0.010265309	0	0	0	0.42		RP11-47A17.2	chr1	processed_pseudogene	
ENSG00000186834.3	1.421777943	7.405816909	1.20E-18	2.95E-16	24.98	26.56	62.14	58.83		HEXIM1	chr17	protein_coding	hexamethylene bis-acetamide inducible 1
ENSG00000171988.17	1.136084306	5.632569552	3.16E-12	3.74E-10	3.48	3.42	7.18	6.08		JMJD1C	chr10	protein_coding	jumonji domain containing 1C
ENSG00000275092.1	-1.712361071	0.125602052	1.45E-07	6.42E-06	1.79	2.41	0.51	0.61		LA16c-329F2.2	chr16	sense_intronic	
ENSG00000130643.8	1.855086944	-1.317337691	0.000168669	0.002302864	0.06	0.04	0.2	0.14		CALY	chr10	protein_coding	calcyon neuron-specific vesicular protein
ENSG00000273151.1	1.445006751	-0.644698222	0.000196155	0.002610472	0.06	0.04	0.16	0.07		RP11-449P15.2	chr7	antisense	
ENSG00000225166.1	-5.318126098	-2.842238888	0.002223255	0.016979913	0.13	0.22	0	0		AC012462.2	chr2	lincRNA	
ENSG00000172548.14	2.858599812	-2.215351436	0.000186294	0.002504551	0	0.02	0.02	0.15		NIPAL4	chr5	protein_coding	NIPA-like domain containing 4
ENSG00000172548.14	-1.68	-0.67	6.41	0.00	0	0.4	0.22	0.12		CTB-31	chr19	lincRNA	

0002615 26.2	1393 574	4073 736	E-05 919	1075 919	87	1			O20.2			
ENSG000001668 63.11	1.035 7071 92	-0.34 3652 624	0.00 2363 88	0.01 7891 052	0.	0.5 21	0.72	0.7	TAC3	chr12	protein_coding	tachykinin 3
ENSG000002607 25.1	5.551 3078 98	-2.91 0711 459	0.00 1143 578	0.01 0265 309	0	0	0.18	0	AC0053 07.1	chr19	lincRNA	
ENSG000002788 40.1	-5.18 4415 275	-2.91 9695 291	0.00 4334 073	0.02 8324 191	0.	0.4 32	0	0	RP11-3 45N11.1	chr15	sense_intronic	
ENSG000001433 44.15	1.878 3203 41	-0.06 3767 945	1.02 E-08	6.25 E-07	0.	0.0 1	0.21	0.29	RGL1	chr1	protein_coding	ral guanine nucleotide dissociation stimulator-like 1
ENSG000000033 93.14	1.127 6219 4	4.296 9378 07	2.87 E-11	2.93 E-09	1.	1.4 61	3.03	2.88	ALS2	chr2	protein_coding	amyotrophic lateral sclerosis 2 (juvenile)
ENSG000002558 93.1	-1.75 8116 671	-1.01 4128 203	0.00 0158 2	0.00 2180 283	0.	1.3 83	0.54	0	RP11-6 85N10.1	chr11	antisense	
ENSG000001245 57.12	5.312 3413 4	-1.47 9682 693	2.45 E-12	2.98 E-10	0.	0.0 1	0.23	0.17	BTN1A1	chr6	protein_coding	butyrophilin, subfamily 1, member A1
ENSG000001984 82.10	1.026 4951 4	1.973 5408 61	6.01 E-07	2.22 E-05	0.	0.6 62	1.31	1	ZNF808	chr19	protein_coding	zinc finger protein 808
ENSG000001715 17.5	5.244 5213 3	-3.07 8482 142	0.00 4334 073	0.02 8324 191	0	0	0	0.07	LPAR3	chr1	protein_coding	lysophosphatidic acid receptor 3
ENSG000002672 87.1	6.034 6274 28	-2.61 5903 018	4.29 E-05	0.00 0773 691	0	0	0.03	0.08	RP11-5 67M16.1	chr18	processed_transcript	
ENSG000002385 78.1	-2.81 3710 746	-2.18 5601 073	0.00 2010 241	0.01 6171 467	3.	3.5 74	0.4	0.44	SNORD 4A	chr17	snoRNA	small nucleolar RNA, C/D box 4A
ENSG000001591 97.3	1.709 8824 49	-1.31 3919 395	0.00 0530 386	0.00 5810 639	0.	0.1 15	0.19	0.78	KCNE2	chr21	protein_coding	potassium channel, voltage gated subfamily E regulatory beta subunit 2
ENSG000001575 0001575	-2.35 6887	-0.16 1492	3.56 E-10	3.02 E-08	0.	0.2 22	0.06	0.02	ERG	chr21	protein_coding	v-ets avian erythroblastosis virus

54.18	108	416											E26 oncogene homolog
ENSG00000259556.2	5.0534984	-3.173867	0.008472	0.046592	0	0	0.11	0.09	RP11-56B16.2	chr15	unprocessed_pseudogene		
ENSG00000121101.15	1.2642439	1.8176025	2.48E-09	1.78E-07	0.41	0.43	0.84	0.95	TEX14	chr17	protein_coding	testis expressed 14	
ENSG00000254038.1	1.2579096	-1.113456	0.003851	0.026364	0.63	0.16	0.13	1.57	RP11-419C23.1	chr8	lincRNA		
ENSG00000258555.4	1.0442297	0.5018160	0.000124	0.001824	0.15	0.15	0.25	0.29	SPECC1L-ADORA2A	chr22	protein_coding	SPECC1L-ADORA2A readthrough (NMD candidate)	
ENSG00000066230.10	1.1249910	0.3382157	7.13E-05	0.001163	0.31	0.3983	0.63	0.54	SLC9A3	chr5	protein_coding	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3	
ENSG00000238113.6	3.7428928	-2.618878	0.001221	0.010739	0.01	0	0.09	0.04	LINC01410	chr9	lincRNA	long intergenic non-protein coding RNA 1410	
ENSG00000273056.1	-5.184794	-2.919482	0.004334	0.028324	0.23	0.22	0	0	RP11-77E14.2	chr9	lincRNA		
ENSG00000213513.3	1.4125994	-0.257887	3.57E-05	0.000670	0.26	0.3584	0.74	0.61	RP13-39P12.2	chr10	processed_pseudogene		
ENSG00000231133.6	-2.955643	-2.697538	0.007234	0.042343	0.21	0.21	0.04	0	HAR1B	chr20	lincRNA	highly accelerated region 1B (non-protein coding)	
ENSG00000165457.13	3.7653051	0.9573830	1.78E-35	1.52E-32	0.1	0.31	1.81	3.3	FOLR2	chr11	protein_coding	folate receptor 2 (fetal)	
ENSG00000185958.9	5.6889572	-2.830820	0.000589	0.006205	0	0	0.02	0.02	FAM186A	chr12	protein_coding	family with sequence similarity 186, member A	
ENSG00000206337.10	-1.446437	1.7983509	5.08E-11	4.97E-09	2.09	1.61	0.72	0.46	HCP5	chr6	sense_overlapping	HLA complex P5 (non-protein coding)	
ENSG00000238273.3	-2.421980	-1.077775	3.74E-06	0.00101	0.31	0.2862	0.03	0.05	AC012360.6	chr2	antisense		

ENSG00000205334.2	-2.956018572	-2.697328003	0.007234971	0.042343871	0.07	0.04	0.01	0	LINC01460	chr2	lincRNA	long intergenic non-protein coding RNA 1460
ENSG00000214465.3	7.377959605	-1.606718138	4.75E-11	4.67E-09	0	0	0.54	0.34	SMARCE1P6	chr2	processed_pseudo_gene	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 6
ENSG00000236255.1	1.352786939	0.260843665	3.70E-06	0.00101299	0.19	0.14	0.46	0.28	AC009404.2	chr2	lincRNA	
ENSG00000165698.15	-1.052745665	2.116182363	2.80E-07	1.14E-05	1.97	2.07	0.99	0.71	C9orf9	chr9	protein_coding	chromosome 9 open reading frame 9
ENSG00000102387.15	1.493121809	-1.269444272	0.002781217	0.020380053	0.06	0.08	0.28	0.07	TAF7L	chrX	protein_coding	TAF7-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 50kDa
ENSG00000238287.1	1.986338095	-1.866506308	0.002199953	0.016979913	0.22	0.08	0.66	0.42	RP11-656D10.3	chr1	antisense	
ENSG00000150201.14	1.42061186	-1.583478876	0.007831547	0.044897576	0.13	0.25	0.34	0.57	FXD4	chr10	protein_coding	FXD domain containing ion transport regulator 4
ENSG00000076641.4	1.406287455	-0.303488739	3.79E-05	0.00704709	0.04	0.04	0.04	0.15	PAG1	chr8	protein_coding	phosphoprotein membrane anchor with glycosphingolipid microdomains 1
ENSG00000108771.12	3.480655751	0.136234979	3.15E-22	1.15E-19	0.05	0.09	0.63	0.77	DHX58	chr17	protein_coding	DEXH (Asp-Glu-X-His) box polypeptide 58
ENSG00000255449.1	-3.4489117	-2.391262324	0.000672711	0.006880458	0.38	0.25	0.04	0	RP11-91P24.6	chr11	antisense	
ENSG00000274678.1	8.408580205	-0.693479633	3.36E-21	1.15E-18	0	0	2.65	1.32	RP11-2C24.7	chr16	lincRNA	
ENSG00000272109.53	1.4160953	-1.317097	0.003915	0.026702	0.29	0.41	0.45	1.23	HIST2H2AA4	chr1	protein_coding	histone cluster 2, H2aa4

ENSG00000164318.17	-5.03699703	-3.001608012	0.008472213	0.046592746	0.02	0.03	0	0	EGFLAM	chr5	protein_coding	EGF-like, fibronectin type III and laminin G domains
ENSG00000136881.11	6.38593589	-2.375534796	3.25E-06	9.05E-05	0	0	0.12	0.04	BAAT	chr9	protein_coding	bile acid CoA:amino acid N-acyltransferase
ENSG00000234693.1	-3.174405904	-2.566536669	0.00221421	0.016979913	0.28	0.11	0.03	0	RP4-530115.6	chr20	antisense	
ENSG00000057149.14	-5.319635181	-2.841390876	0.002223255	0.016979913	0.11	0.04	0	0	SERPINB3	chr18	protein_coding	serpin peptidase inhibitor, clade B (ovalbumin), member 3
ENSG00000275248.1	5.056889643	-3.172374913	0.008472213	0.046592746	0	0	0	0.4	RP11-40E6.2	chr13	lincRNA	
ENSG00000178796.12	5.054345576	-3.173494146	0.008472213	0.046592746	0	0	0.05	0.07	RIIAD1	chr1	protein_coding	regulatory subunit of type II PKA R-subunit (RIIa) domain containing 1
ENSG00000167701.13	2.848348675	0.151619532	1.11E-17	2.44E-15	0.05	0.21	0.73	1	GPT	chr8	protein_coding	glutamic-pyruvate transaminase (alanine aminotransferase)
ENSG00000153495.10	1.381251842	1.184141552	5.13E-09	3.39E-07	2.16	1.44	3.45	4.79	TEX29	chr13	protein_coding	testis expressed 29
ENSG00000268870.1	5.237782528	-3.081460244	0.008472213	0.046592746	0	0	0.37	0	CTD-3105H18.16	chr19	protein_coding	
ENSG00000253250.2	5.243677416	-3.078854719	0.004334073	0.028324191	0	0	0.03	0.25	C8orf88	chr8	protein_coding	chromosome 8 open reading frame 88
ENSG00000275056.1	2.106575127	-2.379500021	0.009133232	0.048860845	0.07	0.02	0.31	0.06	RP11-127120.8	chr16	sense_intronic	
ENSG00000279261.1	-2.538689134	-1.96419814	0.000820481	0.008126743	0.17	0.09	0.04	0	PP2672	chr1	protein_coding	
ENSG00000221170.1	-1.663577565	-0.870193302	0.000145973	0.002086002	10.35	5.33	3.13	1.04	MIR1304	chr11	miRNA	microRNA 1304
ENSG000005244	5.244	-3.07	0.00	0.02	0	0	0	0.71	RP11-1	chr18	lincRNA	

000266905.1	52133	8482142	4334073	8324191						058N17.1								
ENSG00000086730.16	1.08251191	1.616585583	6.45E-07	2.37E-05	0.56	0.4	0.73	1.07		LAT2	chr7	protein_coding	linker for activation of T cells family, member 2					
ENSG00000219355.2	-5.184415275	-2.919695291	0.004334073	0.028324191	0.29	0.42	0	0		RPL31P52	chr12	processed_pseudogene	ribosomal protein L31 pseudogene 52					
ENSG00000100228.12	-1.032873359	1.648252085	3.01E-06	8.73E-05	1.08	1.05	0.51	0.4		RAB36	chr22	protein_coding	RAB36, member RAS oncogene family					
ENSG00000260542.1	5.053498468	-3.173867043	0.008472213	0.046592746	0	0	0.05	0.04		RP13-379O24.2	chr20	lincRNA						
ENSG00000110693.15	3.739622656	-2.620350427	0.001221239	0.010739157	0	0	0.04	0		SOX6	chr11	protein_coding	SRY (sex determining region Y)-box 6					
ENSG00000273271.1	-5.65848923	-2.631934238	0.000305021	0.003673222	0.31	0.39	0	0		AP000254.8	chr21	antisense						
ENSG00000183888.4	5.557968412	-2.907744202	0.001143578	0.010265309	0	0	0.02	0.08		C1orf64	chr1	protein_coding	chromosome 1 open reading frame 64					
ENSG00000261101.2	4.340045504	-0.476277295	1.07E-19	3.00E-17	0.08	0.12	1.87	1.87		RP4-545K15.5	chrX	sense_overlapping						
ENSG00000272661.1	2.386922047	-2.218028104	0.001202791	0.010680343	0.19	0	0.4	0.49		RP4-548D19.3	chr7	antisense						
ENSG00000244480.1	2.163446398	-2.122516342	0.002171422	0.016979913	0.1	0	0.22	0.16		AC005154.7	chr7	transcribed_processed_pseudogene						
ENSG00000186765.11	-1.28312507	0.958620547	5.24E-07	1.97E-05	1.57	1.44	0.69	0.38		FSCN2	chr17	protein_coding	fascin actin-bundling protein 2, retinal					
ENSG00000152926.14	1.45026925	1.973835234	3.99E-12	4.67E-10	0.22	0.25	0.64	0.48		ZNF117	chr7	protein_coding	zinc finger protein 117					
ENSG00000268225.1	1.789395645	-1.260854245	0.000245935	0.003151917	0.28	0.05	0.32	0.68		CTD-2331H12.5	chr19	processed_pseudogene						
ENSG00000182607.44	1.1500744	-0.880947	0.004350	0.028379	0.32	0.51	0.49	1.17		C2orf82	chr2	protein_coding	chromosome 2 open reading frame 82					

00.9	57	564	088	553															
ENSG00000278829.1	-1.60200634	-1.365335668	0.002368083	0.017891052	0.95	0.22	0.21	0.12	RP11-358B23.7	chr17	sense_intronic								
ENSG00000244623.1	2.488391467	-2.43624661	0.002941218	0.021287883	0.08	0	0.37	0	OR2AE1	chr7	protein_coding	olfactory receptor, family 2, subfamily AE, member 1							
ENSG00000169282.17	5.24452133	-3.078482142	0.004334073	0.028324191	0	0	0	0.05	KCNAB1	chr3	protein_coding	potassium channel, voltage gated subfamily A regulatory beta subunit 1							
ENSG00000171345.13	2.263587234	-0.128089759	6.02E-11	5.70E-09	0.31	0.15	0.68	1.27	KRT19	chr17	protein_coding	keratin 19, type I							
ENSG00000263941.2	4.128051107	-2.374307385	6.16E-05	0.001036856	0	0.09	0.71	1.12	RN7SL32P	chr2	misc_RNA	RNA, 7SL, cytoplasmic 32, pseudogene							
ENSG00000256518.2	6.036260299	-2.615165403	4.29E-05	0.000773691	0	0	0.08	0.51	RP11-807H22.5	chr11	transcribed_unprocessed_pseudogene								
ENSG00000121743.3	-1.637462706	-0.991404843	0.000312504	0.003749619	0.13	0.2	0.07	0	GJA3	chr13	protein_coding	gap junction protein, alpha 3, 46kDa							
ENSG00000204947.8	1.485858282	1.573352055	2.80E-11	2.87E-09	0.56	0.43	1.18	1.24	ZNF425	chr7	protein_coding	zinc finger protein 425							
ENSG0000018869.16	1.822620628	-1.34033238	0.000251562	0.003208238	0.05	0.05	0.06	0.27	ZNF582	chr19	protein_coding	zinc finger protein 582							
ENSG00000135077.8	1.437243741	-0.877642341	0.000640631	0.006637412	0.14	0.05	0.17	0.29	HAVCR2	chr5	protein_coding	hepatitis A virus cellular receptor 2							
ENSG00000241933.1	-6.361939752	-2.141869736	1.71E-06	5.45E-05	0.06	0.15	0	0	RP11-755B10.3	chr3	lincRNA								
ENSG00000236514.1	-2.497657168	-2.390718535	0.005060939	0.032002387	0.26	0.25	0.07	0	RP11-162G10.5	chr10	antisense								
ENSG00000106328.9	3.990101602	-1.393689999	2.93E-10	2.53E-08	0.02	0.01	0.34	0.18	FSCN3	chr7	protein_coding	fascin actin-bundling protein 3, testicular							
ENSG00000106328.9	-2.09	0.363	3.36	3.40	0	0.5	0.16	0.1	RP11-1	chr11	protein_coding								

0002585 29.5	4881 878	9844 77	E-11	E-09	72	7			08O10. 8			
ENSG00 0002357 25.1	2.120 5483 06	-0.77 3802 558	2.25 E-07	9.48 E-06	0. 2	0.0 6	0.31	0.68	AC0073 89.3	chr2	lincRNA	
ENSG00 0002607 35.1	1.327 7177 55	-1.07 4432 104	0.00 2804 384	0.02 0522 104	0. 06	0.1 3	0.24	0.18	RP11-7 218.1	chr16	antisense	
ENSG00 0002494 00.1	5.815 0679 71	-2.75 4937 748	0.00 0305 021	0.00 3673 222	0	0	0.18	0.39	HMGB3 P17	chr5	processed_pseudo gene	high mobility group box 3 pseudogene 17
ENSG00 0002415 47.1	1.442 3672 92	0.698 4114 92	4.09 E-08	2.14 E-06	1. 67	2.0 7	4.2	4.77	ACTG1P 20	chr1	processed_pseudo gene	actin gamma 1 pseudogene 20
ENSG00 0002155 95.1	3.306 4880 14	-1.33 7008 293	1.16 E-08	6.95 E-07	0. 08	0	0.39	0.35	C20orf2 02	chr20	protein_coding	chromosome 20 open reading frame 202
ENSG00 0001442 85.15	6.227 7577 31	-2.48 7752 274	1.17 E-05	0.00 0263 728	0	0	0	0.06	SCN1A	chr2	protein_coding	sodium channel, voltage gated, type I alpha subunit
ENSG00 0002726 78.1	2.278 1927 12	-2.55 4250 344	0.00 8668 518	0.04 7101 87	0. 14	0.0 7	0.22	0.72	RP11-7 97D24.4	chr3	antisense	
ENSG00 0001626 16.8	1.119 0354 02	4.847 9827 93	1.46 E-11	1.55 E-09	6. 61	5.6 4	12.7	10.6	DNAJB4	chr1	protein_coding	DnaJ (Hsp40) homolog, subfamily B, member 4
ENSG00 0001556 66.11	-1.12 7594 859	1.991 5444 22	8.40 E-08	4.04 E-06	1. 97	2.0 1	0.73	0.87	KDM8	chr16	protein_coding	lysine (K)-specific demethylase 8
ENSG00 0001644 00.5	1.167 3323 03	0.821 2403 77	3.73 E-06	0.00 0101 862	1. 64	1.1 4	2.93	2.52	CSF2	chr5	protein_coding	colony stimulating factor 2 (granulocyte-macrop hage)
ENSG00 0001715 09.15	1.241 3947 28	0.436 0126 4	7.70 E-06	0.00 0185 335	0. 21	0.1 5	0.34	0.42	RXFP1	chr4	protein_coding	relaxin/insulin-like family peptide receptor 1
ENSG00 0001574 04.15	-5.55 2830 658	-2.69 9141 7	0.00 0589 815	0.00 6205 402	0. 02	0.0 5	0	0	KIT	chr4	protein_coding	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
ENSG00 0000905 12.11	-5.84 6105 007	-2.50 8093 704	0.00 0158 16	0.00 2180 283	0. 04	0.1 8	0	0	FETUB	chr3	protein_coding	fetuin B

ENSG00000182109.7	1.913774505	1.127913977	1.37E-14	2.12E-12	0.45	0.26	1.45	0.88	RP11-69E11.4	chr1	antisense	
ENSG00000135407.10	2.415288159	1.520706968	4.85E-24	2.06E-21	0.27	0.37	1.56	1.46	AVIL	chr12	protein_coding	advillin
ENSG00000255583.2	1.415365136	-0.032415917	9.18E-06	0.0021575	0.2	0.16	0.6	0.24	RP11-415I12.2	chr12	transcribed_unprocessed_pseudogene	
ENSG00000138315.12	5.28235845	-0.764069471	1.46E-18	3.52E-16	0.02	0	0.4	0.47	OIT3	chr10	protein_coding	oncprotein induced transcript 3
ENSG00000214796.8	-2.453312741	-0.893399207	5.08E-07	1.92E-05	0.38	0.16	0.08	0	RP11-480I12.5	chr1	transcribed_unprocessed_pseudogene	
ENSG00000158517.13	3.626873554	-1.677264177	7.38E-08	3.60E-06	0.04	0.02	0.39	0.27	NCF1	chr7	protein_coding	neutrophil cytosolic factor 1
ENSG00000264575.1	-1.716619576	-0.564389036	1.61E-05	0.00345084	0.49	0.48	0.15	0.1	LINC00526	chr18	lincRNA	long intergenic non-protein coding RNA 526
ENSG00000140798.15	2.618300521	-2.076041111	0.000252727	0.003208238	0	0.02	0.07	0.05	ABCC12	chr16	protein_coding	ATP-binding cassette, sub-family C (CFTR/MRP), member 12
ENSG00000235285.1	-1.271237637	-1.235655323	0.009308249	0.049605695	1.35	0.75	0.48	0.26	SMIM2-IT1	chr13	sense_intronic	SMIM2 intronic transcript 1
ENSG00000281468.1	-5.75741765	-2.567502897	0.00015816	0.002180283	0.42	0.2	0	0	CTC-459F4.9	chr19	sense_intronic	
ENSG00000207205.1	6.77218279	1.170026474	5.31E-60	1.55E-56	0.49	0	20.36	29.71	RNVU1-15	chr1	snRNA	RNA, variant U1 small nuclear 15
ENSG00000262903.1	1.143970192	0.400442579	5.77E-05	0.000996436	1.42	0.47	1.89	1.73	RP11-235E17.6	chr17	antisense	
ENSG00000166819.11	1.977270008	-0.652256812	6.34E-07	2.34E-05	0.07	0.09	0.25	0.34	PLIN1	chr15	protein_coding	perilipin 1
ENSG00000268894.6	-5.657376663	-2.632563046	0.000305021	0.003673222	0.05	0.17	0	0	PLCE1-AS1	chr10	antisense	PLCE1 antisense RNA 1

ENSG00000129682.13	-6.29 9479 8258	-2.18 79 06	3.25 E-06	9.05 E-05	0.01	0.02	0	0	FGF13	chrX	protein_coding	fibroblast growth factor 13
ENSG00000167941.2	5.688 9572 0820	-2.83 446 815	0.00 0589	0.00 6205	0	0	0.09	0.05	SOST	chr17	protein_coding	sclerostin
ENSG00000276980.1	-3.33 8475 2815	-1.37 308 337	2.51 E-07	1.04 E-05	0.46	0.36	0.06	0	CTD-31 28G10.7	chr19	sense_intronic	
ENSG00000277610.1	3.846 5727 1936	-1.94 996	2.92 E-07	1.18 E-05	0	0.31	2.08	2.49	RNVU1 -4	chr1	snRNA	RNA, variant U1 small nuclear 4
ENSG00000173825.6	3.445 5122 5098	2.229 61 36	2.29 E-49	4.32 E-46	0.39	0.42	3.28	4.47	TIGD3	chr11	protein_coding	tigger transposable element derived 3
ENSG00000277895.1	-2.08 8128 3265	-1.96 571 3508	0.00 E-49	0.02 4472	0.31	0.16	0.09	0	RP11-1 14F3.4	chr12	antisense	
ENSG00000223547.9	2.303 3819 8727	-2.26 675 241	0.00 E-49	0.01 6171	0.01	0.01	0.02	0.05	ZNF844	chr19	protein_coding	zinc finger protein 844
ENSG00000175267.14	3.508 6121 6446	-2.75 839 4007	0.00 E-49	0.02 7138	0.01	0.01	0.03	0.04	VWA3A	chr16	protein_coding	von Willebrand factor A domain containing 3A
ENSG00000249492.1	2.797 5912 0222	-2.62 725 2214	0.00 E-49	0.01 6979	0.06	0.05	0.53	0.2	RP11-1 59F24.3	chr5	processed_transcript	
ENSG00000276272.1	2.106 0950 3724	-1.64 531 0147	0.00 E-49	0.00 2105	0	0.16	0.07	0.6	RP11-1 21C6.5	chr12	lincRNA	
ENSG00000141052.17	-1.56 2123 5339	1.709 5 4.06	E-12	4.71 E-10	0.58	0.53	0.15	0.17	MYOCD	chr17	protein_coding	myocardin
ENSG00000274276.4	-5.18 5173 9269	-2.91 738 4334	0.00 E-07	0.02 8324	0.06	0.04	0	0	CBS	chr21	protein_coding	cystathionine-beta-synthase
ENSG00000212123.3	-1.00 1198 9345	3.162 981 39	4.11 E-08	2.15 E-06	9.05	7.94	3.33	4.11	PRR22	chr19	protein_coding	proline rich 22
ENSG00000259120.2	-1.38 1499 6802	0.349 924 19	4.32 E-06	0.00 0114	1.31	1.81	0.31	0.75	SMIM6	chr17	protein_coding	small integral membrane protein 6
ENSG0000010831.1	1.083 1499 6802	1.665 924 19	5.04 E-06	1.91 819	0	0.43	1.07	0.78	CDRT1	chr17	protein_coding	CMT1A duplicated

0002413 22.8	0017 72	3310 3	E-07	E-05	6												region transcript 1
ENSG00 0002139 43.3	7.249 7992 58	-1.71 1776 555	2.88 E-10	2.50 E-08	0	0	0.58	0.17	KRT18P 17	chr3	processed_pseudo gene	keratin 18 pseudogene 17					
ENSG00 0002283 35.1	3.004 8792 92	0.418 5922 24	4.46 E-21	1.49 E-18	0. 84	0.1 7	3.85	3.21	AC0730 63.10	chr7	processed_pseudo gene						
ENSG00 0002142 79.12	6.035 4436 69	-2.61 5534 254	4.29 E-05	0.00 0773 691	0	0	0.12	0.49	SCART1	chr10	unitary_pseudogen e						
ENSG00 0002255 18.2	-4.73 8544 775	-1.42 9907 073	7.99 E-09	5.07 E-07	0. 62	0.7 2	0.03	0	RP11-3 96C23.2	chr1	lincRNA						
ENSG00 0002790 07.1	1.568 5332 26	0.826 6700 7	1.18 E-09	9.05 E-08	2. 37	2.4 5	3.64	9.05	FKSG56	chr9	protein_coding						
ENSG00 0001343 39.8	2.141 0804 72	-1.23 6630 967	1.35 E-05	0.00 0297 891	0.	0.1 02	0.26	0.25	SAA2	chr11	protein_coding	serum amyloid A2					
ENSG00 0001769 27.14	4.428 6966 6	-2.16 5964 142	4.81 E-07	1.83 E-05	0	0	0.05	0.06	EFCAB5	chr17	protein_coding	EF-hand calcium binding domain 5					
ENSG00 0001537 07.15	-1.63 3539 4	-0.88 8655 283	0.00 0388 768	0.00 4463 38	0.	0.0 08	0.02	0.02	PTPRD	chr9	protein_coding	protein tyrosine phosphatase, receptor type, D					
ENSG00 0001282 42.12	1.027 6226 41	2.061 2669 28	4.10 E-07	1.61 E-05	1. 32	1.0 1	2.01	2.15	GAL3ST 1	chr22	protein_coding	galactose-3-O-sulfot ransferase 1					
ENSG00 0002381 32.2	5.691 4423 94	-2.82 9709 359	0.00 0589 815	0.00 6205 402	0	0	0.09	0.17	CASC4P 1	chr13	processed_pseudo gene	cancer susceptibility candidate 4 pseudogene 1					
ENSG00 0002725 55.1	2.999 4322 82	-1.57 2895 528	6.99 E-07	2.55 E-05	0	0.2 8	0.19	2	RP11-4 59I19.1	chr2	lincRNA						
ENSG00 0001121 16.9	2.596 1935 94	-2.37 5874 802	0.00 0982 727	0.00 9290 055	0	0	0.13	0.41	IL17F	chr6	protein_coding	interleukin 17F					
ENSG00 0002262 66.6	-1.95 1902 362	-1.80 7995 122	0.00 3401 932	0.02 3956 332	0.	0.1 12	0.02	0.04	AC0099 61.3	chr2	lincRNA						
ENSG00 0002320	1.365 0508	1.591 2060	6.54 E-10	5.22 E-08	0. 39	0.3 1	0.79	0.79	ZBED9	chr6	protein_coding	zinc finger, BED-type containing 9					

25.12	401	346		691																	erase 6
ENSG00000143195.12	3.506	-2.75	0.00	0.02										ILDR2	chr1	protein_coding					immunoglobulin-like domain containing receptor 2
ENSG00000266925.1	5.410	-2.99	0.00	0.01										RP11-434D2.7	chr17	lincRNA					
ENSG00000279583.1	1.365	-0.64	0.00	0.00	0.53	0.15	0.88	0.65						RP11-368N21.5	chr16	TEC					
ENSG00000236824.1	1.098	7.271	6.89	7.75	6.53	8.17	11.71	15.87						BCYRN1	chr2	lincRNA					brain cytoplasmic RNA 1
ENSG00000234773.6	3.526	-2.16	1.03	0.00	0.02	0.02	0.22	0.25						CTD-2666L21.1	chr19	lincRNA					
ENSG00000234199.2	6.087	-0.80	1.32	3.59	0.00	0.03	1.42	0.93						LINC01191	chr2	lincRNA					long intergenic non-protein coding RNA 1191
ENSG00000163806.15	1.737	-0.34	1.12	3.81	0.23	0.15	0.7	0.43						SPDYA	chr2	protein_coding					speedy/RINGO cell cycle regulator family member A
ENSG00000101049.14	1.181	-1.03	0.00	0.04	0.01	0.09	0.24	0.13						SGK2	chr20	protein_coding					serum/glucocorticoid regulated kinase 2
ENSG00000159871.14	-1.60	1.494	1.14	1.23	1.17	1.73	0.42	0.42						LYPD5	chr19	protein_coding					LY6/PLAUR domain containing 5
ENSG00000223403.3	-2.10	-1.70	0.00	0.00	0.08	0.08	0.2	0.05	0					MEG9	chr14	lincRNA					maternally expressed 9 (non-protein coding)
ENSG00000171195.10	3.955	-1.86	9.00	4.29	0.00	0.02	0.14	0.15						MUC7	chr4	protein_coding					mucin 7, secreted
ENSG00000263232.2	5.237	-3.08	0.00	0.04	0.00	0.00	0.15	0						ATP5A1P3	chr16	processed_pseudogene					ATP synthase, H ⁺ transporting, mitochondrial F1 complex, alpha subunit 1 pseudogene 3
ENSG00000262081.2	5.056	-3.17	0.00	0.04	0.00	0.00	0	0.18						IL9RP4	chr18	unprocessed_pseudogene					interleukin 9 receptor pseudogene 4

ENSG00000143552.9	5.708773153	0.510064482	7.09E-41	8.89E-38	0	0.02	0.55	0.32	NUP210L	chr1	protein_coding	nucleoporin 210kDa-like
ENSG00000267552.6	1.431765785	1.372765744	5.44E-10	4.42E-08	2.41	1.63	4.29	5.27	CTD-2528L19.4	chr19	protein_coding	
ENSG00000202538.1	-6.095352697	-2.33644235	1.17E-05	0.00263728	3.63	0	0	0	RNU4-2	chr12	snRNA	RNA, U4 small nuclear 2
ENSG00000185467.7	1.219882742	0.417508371	1.19E-05	0.00267334	0.33	0.59	0.83	1.07	KPNA7	chr7	protein_coding	karyopherin alpha 7 (importin alpha 8)
ENSG00000273306.1	1.129891542	-0.944414176	0.007667826	0.044277031	0.6	0.37	1	0.85	RP11-527J8.1	chr2	antisense	
ENSG00000164093.15	1.05863213	-0.041723415	0.000656924	0.00677955	0.09	0.14	0.15	0.29	PITX2	chr4	protein_coding	paired-like homeodomain 2
ENSG00000183674.11	3.377202195	-1.862131014	1.21E-06	4.03E-05	0.02	0.04	0.3	0.28	LINC00518	chr6	lincRNA	long intergenic non-protein coding RNA 518
ENSG00000233327.10	1.735238292	-1.866124135	0.007351292	0.042881724	0.05	0	0.07	0.07	USP32P2	chr17	transcribed_unprocessed_pseudogene	ubiquitin specific peptidase 32 pseudogene 2
ENSG00000265241.6	-1.010565564	7.919528777	2.38E-10	2.10E-08	65.52	65.62	29.28	27.74	RBM8A	chr1	protein_coding	RNA binding motif protein 8A
ENSG00000257511.1	1.555544352	0.284753155	1.48E-07	6.56E-06	0.8	0.43	1.76	1.41	RP11-278C7.1	chr12	processed_pseudogene	
ENSG00000240137.5	-2.411021092	-2.047794514	0.002171422	0.016979913	0.48	0.45	0	0.15	ERICH6-AS1	chr3	antisense	ERICH6 antisense RNA 1
ENSG00000273951.1	-6.29947979	-2.18825806	3.25E-06	9.05E-05	0.33	0.55	0	0	RP4-620E11.8	chr20	sense_intronic	
ENSG00000239636.1	1.763149318	-1.187943976	0.000238131	0.003071333	0.16	0.27	0.6	0.7	RP4-728D4.2	chr1	antisense	
ENSG00000262772.1	-2.233035058	-0.912183076	3.04E-06	8.77E-05	0.48	0.34	0.1	0.05	RP11-353N14.2	chr17	lincRNA	
ENSG00000135888.1	-5.66	-2.63	0.00	0.00	0.0	0.0	0	0	AL3588	chr6	protein_coding	

0002788	0716	0675	0305	3673	25	4			52.1				
99.1	54	922	021	222									
ENSG00	-5.31	-2.84	0.00	0.01									
0002551	6618	3086	2223	6979	0	0.5	0	0	STX17-AS1	chr9	antisense	STX17 antisense RNA 1	
45.2	396	468	255	913		1							
ENSG00	-1.13	1.002		0.00									
0002599	9658	4937	5.75	0.00	1.	1.6	0.89	0.45	RP1-39G22.7	chr1	antisense		
43.1	404	56	E-06	0145895	73	7							
ENSG00	1.058	1.710											
0002344	1165	2087	7.04	2.56	1.	1.1	2.06	3.01	RP11-213G2.1	chr9	unprocessed_pseudogene		
24.2	82	25	E-07	E-05	6	7							
ENSG00	1.236	1.657											
0002792	4288	9907	1.40	8.20	1.	1.3	3.1	2.26	RP4-614O4.13	chr20	TEC		
53.1	08	6	E-08	E-07	23	6							
ENSG00	1.600	2.804											
0001893	7060	5068	4.64	9.92	2.	2.6	8	6.62	S100A14	chr1	protein_coding	S100 calcium binding protein A14	
34.8	93	21	E-17	E-15	91								
ENSG00	-1.32	-0.68	0.00	0.00									
0002353	3568	7483	0.00	0.00	0.	0.2	0.09	0.12	LINC00957	chr7	lincRNA	long intergenic non-protein coding RNA 957	
14.1	14	96	0900	8725	37	3							
ENSG00	1.677	-1.43	0.00	0.01									
0002293	8604	0167	1206	0703	0.	0.3	0.89	0.75	HY1-AS1	chr1	antisense	HY1 antisense RNA 1	
48.1	27	734	703	964	25	3							
ENSG00	1.221	-0.78	0.00	0.01									
0001883	7665	7451	2174	6979	0.	0.1	0.22	0.23	SLC38A3	chr3	protein_coding	solute carrier family 38, member 3	
38.14	09	21	796	913	04	8							
ENSG00	-5.44	-2.76	0.00	0.01									
0001689	1961	7936	1143	0265	0.	0.0	0	0	ZNF608	chr5	protein_coding	zinc finger protein 608	
16.15	724	284	578	309	04	2							
ENSG00	-6.59	-1.96											
0002355	1760	7793	2.56	1.05	0.	0.0	0	0	NFAM1	chr22	protein_coding	NFAT activating protein with ITAM motif 1	
68.6	387	763	E-07	E-05	05	7							
ENSG00	5.559	-2.90	0.00	0.01									
0002590	6378	7001	1143	0265	0	0	0	0.89	ENSAP2	chr14	processed_pseudogene	endosulfine alpha pseudogene 2	
32.2	07	505	578	309									
ENSG00	5.410	-2.99	0.00	0.01									
0002700	6228	0239	2223	6979	0	0	0	0.18	AP000473.8	chr21	lincRNA		
93.1	32	64	255	913									
ENSG00	1.772	1.792											
0000155	1161	5358	4.69	9.36	0.	0.3	0.85	0.98	NPC1L1	chr7	protein_coding	NPC1-like 1	
20.14	93	14	E-16	E-14	3	1							
ENSG00	-5.31	-2.84	0.00	0.01	0.	0.0	0	0	DUOXA1	chr15	protein_coding	dual oxidase maturation factor 1	
0001402	9635	1390	2223	6979	07	2							

ENSG00000172361.5	3.026548667	1.919886595	6.80E-38	6.89E-35	0.42	0.5	3.43	3.16	CFAP53	chr18	protein_coding	cilia and flagella associated protein 53
ENSG00000224259.5	-1.241605715	0.934851003	1.56E-06	5.06E-05	2.42	2.16	0.87	0.82	LINC01133	chr1	lincRNA	long intergenic non-protein coding RNA 1133
ENSG00000250782.1	5.056889643	-3.172374913	0.008472213	0.046592746	0	0	0	0.37	RP11-432M8.1	chr5	processed_pseudogene	
ENSG00000133321.10	1.583647242	0.972849613	1.93E-10	1.72E-08	0.61	0.94	1.52	2.62	RARRES3	chr11	protein_coding	retinoic acid receptor responder (tazarotene induced) 3
ENSG00000206567.9	-5.035472108	-3.002462011	0.008472213	0.046592746	0	0	0	0	AC022007.5	chr3	lincRNA	
ENSG00000274269.1	5.239464552	-3.080716256	0.004334073	0.028324191	0	0	0.3	0.11	RP4-545L17.12	chr20	processed_transcript	
ENSG00000182050.13	3.015566068	-2.493891318	0.000672711	0.006880458	0	0	0.01	0	MGAT4C	chr12	protein_coding	MGAT4 family, member C
ENSG00000253190.3	5.24452133	-3.078482142	0.004334073	0.028324191	0	0	0	0.26	AC084082.3	chr8	lincRNA	
ENSG00000231407.5	-5.440086194	-2.768992263	0.001143578	0.010265309	0.03	0.08	0	0	RP11-576I22.2	chr1	antisense	
ENSG00000151651.15	2.412652028	2.168921884	4.72E-29	2.96E-26	0.53	0.37	1.85	2.31	ADAM8	chr10	protein_coding	ADAM metalloproteinase domain 8
ENSG00000276600.4	-1.317144875	0.939344001	3.13E-07	1.26E-05	0.63	0.97	0.35	0.2	RAB7B	chr1	protein_coding	RAB7B, member RAS oncogene family
ENSG00000255624.2	1.011199898	0.966303193	3.47E-05	0.000656012	0.77	1.17	2.04	1.4	RP11-564D11.3	chr10	transcribed_processed_pseudogene	
ENSG00000168779.19	1.206369237	-0.386093555	0.000717187	0.007250886	0.13	0.12	0.38	0.12	SHOX2	chr3	protein_coding	short stature homeobox 2
ENSG00000181085.14	-1.554343926	-1.392507979	0.004882494	0.031147802	0.25	0.2	0.01	0.12	MAPK15	chr8	protein_coding	mitogen-activated protein kinase 15

ENSG00000108813.10	-1.0542812356265	2.937235606	1.48E-08	8.58E-07	3.62	3.74	1.54	1.56	DLX4	chr17	protein_coding	distal-less homeobox 4
ENSG00000140937.13	-5.185173935	-2.919269738	0.004334073	0.028324191	0.02	0.01	0	0	CDH11	chr16	protein_coding	cadherin 11, type 2, OB-cadherin (osteoblast)
ENSG00000269058.5	2.752066485	-1.746665238	1.49E-05	0.00323467	0.04	0.06	0.11	0.54	CALR3	chr19	protein_coding	calreticulin 3
ENSG00000189212.12	5.243677416	-3.078854719	0.004334073	0.028324191	0	0	0.01	0.05	DPY19L2P1	chr7	transcribed_unprocessed_pseudogene	DPY19L2 pseudogene 1
ENSG00000272768.1	-1.517722533	-1.423928312	0.003758971	0.025841819	0.24	0.37	0.18	0	RP4-673M15.1	chr7	antisense	
ENSG00000249306.5	1.55153203	2.34208951	7.36E-15	1.19E-12	0.78	0.83	1.98	2.17	LINC01411	chr5	lincRNA	long intergenic non-protein coding RNA 1411
ENSG00000276814.1	1.619210089	-1.369562904	0.001129089	0.010265309	0.19	0.16	0.2	0.77	RP1-228P16.8	chr12	lincRNA	
ENSG00000204397.7	-5.036615664	-3.001821553	0.008472213	0.046592746	0.1	0.18	0	0	CARD16	chr11	protein_coding	caspase recruitment domain family, member 16
ENSG00000268785.1	3.209144229	-2.376005112	0.000112018	0.001665518	0	0.07	0.31	0.35	RPL7P50	chr19	processed_pseudogene	ribosomal protein L7 pseudogene 50
ENSG00000204086.4	-5.036234388	-3.002035067	0.008472213	0.046592746	0.03	0.1	0	0	RPA4	chrX	protein_coding	replication protein A4, 30kDa
ENSG00000224956.5	-1.367341422	1.11626654	2.79E-08	1.51E-06	2.96	1.86	1.29	0.31	RP11-206L10.1	chr1	unprocessed_pseudogene	
ENSG00000227963.1	-1.885967795	-0.613020492	5.79E-06	0.00146515	0.33	0.35	0.11	0.05	RP5-1074L1.1	chr1	antisense	
ENSG00000112041.12	4.1312634	-2.372843477	6.16E-05	0.001036856	0	0.01	0.04	0.2	TULP1	chr6	protein_coding	tubby like protein 1
ENSG00000167608.11	1.191243831	-0.967242056	0.006568648	0.039380488	0.1	0.13	0.31	0.15	TMC4	chr19	protein_coding	transmembrane channel-like 4
ENSG000001624	1.624	-1.68	0.00	0.02	0	0.0	0.03	0.22	CTD-21	chr19	protein_coding	

0002677	8258	0946	3027	1782		8			05E13.6				
06.3	46	327	211	035									
ENSG00	5.552	-2.90	0.00	0.01									
0001117	9704	9970	1143	0265	0	0	0.08	0.02	AICDA	chr12	protein_coding	activation-induced	cytidine deaminase
32.10	73	174	578	309									
ENSG00	-2.73	-2.23	0.00	0.02									
0002608	9861	4601	3346	3625	0.	0.5	0.05	0.06	CTD-20	chr15	antisense		
92.1	541	966	059	851	33	4			26K11.1				
ENSG00	-1.45	-1.21	0.00	0.02									
0002065	8999	3780	3915	6702	0.	0.5	0.06	0.18	RP11-5	chr3	lincRNA		
32.2	461	201	634	756	18	8			53A10.1				
ENSG00	5.334	-0.71											
0001176	8464	3446	3.11	8.03	0.	0	0.89	0.41	SERPIN	chr1	protein_coding	serpin peptidase	inhibitor, clade C
01.13	35	632	E-19	E-17	03				C1			(antithrombin),	member 1
ENSG00	-2.20	-1.88	0.00	0.01									
0001446	5264	4915	2223	6979	0.	0.1	0.05	0	SLC22A	chr3	protein_coding	solute carrier family	22, member 14
71.10	242	824	629	913	13	6			14				
ENSG00	5.408	-2.99	0.00	0.01									
0002739	9444	0983	2223	6979	0	0	0.22	0.85	Metazo	chr2	misc_RNA		
50.1	88	521	255	913					a_SRP				
ENSG00	-5.55	-2.69	0.00	0.00									
0001384	4695	8089	0589	6205	0.	0.0	0	0	MDH1B	chr2	protein_coding	malate	dehydrogenase 1B,
00.12	703	655	815	402	08	5						NAD (soluble)	
ENSG00	1.905	-2.27	0.00	0.04									
0002615	7327	1712	9023	8439	0.	0.1	0.38	0.28	RP11-2	chr17	transcribed_unproc	essed_pseudogene	
75.2	39	984	285	923	04	5			59G18.1				
ENSG00	-5.03	-3.00	0.00	0.04									
0001843	8141	0967	8472	6592	0.	0.0	0	0	COLEC1	chr8	protein_coding	collectin sub-family	member 10 (C-type
74.2	67	22	213	746	15	4			0			lectin)	
ENSG00	1.861	-1.21	0.00	0.00									
0001114	1336	3714	0112	1671	0.	0.0	0.29	0.15	ENDOU	chr12	protein_coding	endonuclease,	polyU-specific
05.8	36	411	756	63	1	4							
ENSG00	1.403	-0.78	0.00	0.00									
0001431	1376	4244	0311	3742	0.	0.0	0.12	0.15	ITGA10	chr1	protein_coding	integrin, alpha 10	
27.12	78	773	611	314	04	8							
ENSG00	2.956	-1.03											
0002332	5076	5302	1.05	8.12	0.	0	0.29	0.73	AC0060	chr7	processed_pseudo	gene	
64.2	66	504	E-09	E-08	15				42.8				
ENSG00	-1.60	0.312											
0001836	9400	9688	1.49	6.57	0.	0.4	0.19	0.09	PSG9	chr19	protein_coding	pregnancy specific	beta-1-glycoprotein
68.17	449	93	E-07	E-06	58	2						9	
ENSG00	1.833	-2.12	0.00	0.04									
					0.	0.0	0.21	0.16	DPPA2	chr3	protein_coding	developmental	

ENSG00000237588.2	5.237782528	-3.081460244	0.008472213	0.046592746	0	0	0.06	0	RP11-66D17.3	chr1	lincRNA	
ENSG00000204978.2	6.036260278.2	-2.615165403	4.29E-05	0.000773691	0	0	0.06	0.4	ERICH4	chr19	protein_coding	glutamate-rich 4
ENSG00000118620.12	1.246673162	3.09402099	9.04E-12	9.99E-10	0.83	0.71	1.79	1.41	ZNF430	chr19	protein_coding	zinc finger protein 430
ENSG00000204671.1	4.12364456	-2.375926765	6.16E-05	0.001036856	0.03	0	0.38	0.17	IL31	chr12	protein_coding	interleukin 31
ENSG00000259449.1	4.366144173	-2.211766449	1.03E-05	0.000236764	0.03	0	0	0.72	NIFKP8	chr15	processed_pseudo gene	nucleolar protein interacting with the FHA domain of MKI67 pseudogene 8
ENSG00000130300.8	2.480023659	-0.996722984	7.45E-08	3.63E-06	0.02	0.1	0.25	0.38	PLVAP	chr19	protein_coding	plasmalemma vesicle associated protein
ENSG00000163792.6	5.055193141	-3.173121159	0.008472213	0.046592746	0	0	0.01	0.03	TCF23	chr2	protein_coding	transcription factor 23
ENSG00000279406.1	2.114160907	0.964159658	2.79E-16	5.65E-14	0.29	0.41	1.54	1.12	RP11-327E2.5	chr10	TEC	
ENSG00000256092.2	-2.687466178	-1.542969256	3.12E-05	0.000600067	0.24	0.17	0.05	0	RP13-942N8.1	chr12	lincRNA	
ENSG00000153684.14	-5.552085217	-2.699562334	0.000589815	0.006205402	0.01	0.06	0	0	GOLGA8F	chr15	protein_coding	golgin A8 family, member F
ENSG00000163462.17	-4.144936461	-0.352855917	3.26E-16	6.55E-14	0.2	0.38	0.02	0.01	TRIM46	chr1	protein_coding	tripartite motif containing 46
ENSG00000272871.1	3.206478575	-1.983222792	6.49E-06	0.000160025	0.04	0.02	0.13	0.42	RP11-408A13.4	chr9	lincRNA	
ENSG00000196263.7	3.633465875	-2.685130261	0.00221421	0.016979913	0	0	0.02	0.04	ZNF471	chr19	protein_coding	zinc finger protein 471
ENSG00000156194.17	5.055193141	-3.173121159	0.008472213	0.046592746	0	0	0.02	0.05	PPEF2	chr4	protein_coding	protein phosphatase, EF-hand calcium binding domain 2

ENSG00000164845.16	-1.151479558	1.020724851	4.620121E-06502	0.00	2.68	2.67	0.95	1.17	FAM86FP	chr12	transcribed_unprocessed_pseudogene	family with sequence similarity 86, member F, pseudogene
ENSG00000188672.16	-2.411489088	-2.050075895	0.002171422	0.016979913	0.06	0.21	0.04	0	RHCE	chr1	protein_coding	Rh blood group, CcEe antigens
ENSG00000267104.2	-1.839768251	-1.88363498	0.008005966	0.045688649	0.16	0.18	0.06	0.02	TBC1D3P1-DHX40P1	chr17	lincRNA	TBC1D3P1-DHX40P1 readthrough transcribed pseudogene
ENSG00000269524.1	2.795522204	-2.621536487	0.00221421	0.016979913	0	0.14	0.95	0	CTB-83J4.1	chr19	lincRNA	
ENSG00000250132.6	-1.343788857	-0.247257952	0.000109001	0.001636939	0.23	0.35	0.12	0.08	RP11-359B12.2	chr12	antisense	
ENSG00000138336.8	2.054542894	-1.825716017	0.000907628	0.008751665	0.01	0.01	0.03	0.05	TET1	chr10	protein_coding	tet methylcytosine dioxygenase 1
ENSG00000162998.4	5.692271614	-2.829338822	0.000589815	0.006205402	0	0	0.03	0.08	FRZB	chr2	protein_coding	frizzled-related protein
ENSG00000232995.7	-1.34052891	-0.82724306	0.001488139	0.012663363	0.35	0.08	0.06	0.09	RGS5	chr1	antisense	regulator of G-protein signaling 5
ENSG00000239732.3	2.489575659	-2.436873209	0.002941218	0.021287883	0	0.2	0.1	0	TLR9	chr3	protein_coding	toll-like receptor 9
ENSG00000175564.12	2.605416104	1.508851499	9.54E-27	5.24E-24	0.23	0.31	1.7	1.24	UCP3	chr11	protein_coding	uncoupling protein 3 (mitochondrial, proton carrier)
ENSG00000258940.2	-2.310062972	-2.504501642	0.008668518	0.04710187	0.22	0.06	0.04	0	RP11-407N17.5	chr14	antisense	
ENSG00000235706.7	-1.253592722	-0.671802675	0.001461703	0.0124666	0.29	0.3	0.12	0.03	DICER1-AS1	chr14	antisense	DICER1 antisense RNA 1
ENSG00000187595.14	-3.813745916	-2.139757896	0.000186294	0.002504551	0.1	0.2	0	0.01	ZNF385C	chr17	protein_coding	zinc finger protein 385C
ENSG00000276384.1	5.558802896	-2.907372898	0.001143578	0.010265309	0	0	0.07	0.66	RP11-186B7.7	chr17	antisense	

ENSG00000205794.4	3.139447595	-2.028466927	1.99E-05	0.000412624	0.03	0.02	0.18	0.23	RP11-333E13.4	chr4	transcribed_processed_pseudogene	
ENSG00000196132.11	3.110441847	-2.435488666	0.001702815	0.014165206	0.01	0	0.07	0	MYT1	chr20	protein_coding	myelin transcription factor 1
ENSG00000261239.6	5.237782528	-3.081460244	0.008472213	0.046592746	0	0	0.04	0	ANKRD26P1	chr16	transcribed_unprocessed_pseudogene	ankyrin repeat domain 26 pseudogene 1
ENSG00000260518.1	-3.528278426	-2.337393579	0.001702815	0.014165206	0.14	0.06	0	0.02	BMS1P8	chr16	transcribed_unprocessed_pseudogene	BMS1 ribosome biogenesis factor pseudogene 8
ENSG00000279019.1	1.364105819	-0.921721055	0.001207889	0.010703964	0.11	0.04	0.19	0.14	RP11-407G23.2	chr16	TEC	
ENSG00000171747.8	2.610111211	-0.32459885	6.31E-12	7.16E-10	0.18	0.12	0.83	0.74	LGALS4	chr19	protein_coding	lectin, galactoside-binding, soluble, 4
ENSG00000109819.8	1.050650648	1.626552814	1.16E-06	3.92E-05	0.16	0.28	0.4	0.42	PPARGC1A	chr4	protein_coding	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha
ENSG00000119715.14	2.229510279	-1.288505563	7.87E-06	0.00189184	0.09	0	0.24	0.13	ESRRB	chr14	protein_coding	estrogen-related receptor beta
ENSG00000115488.3	2.916029358	-2.553697789	0.001221239	0.010739157	0	0.04	0.1	0.25	NEU2	chr2	protein_coding	sialidase 2 (cytosolic sialidase)
ENSG00000229618.1	4.211110638	-2.318169827	3.39E-05	0.0006418	0.03	0	0.14	0.41	AC011288.2	chr7	lincRNA	
ENSG00000214756.7	-1.032872185	0.296456267	0.00046163	0.005156046	0.86	0.65	0.39	0.25	METTL12	chr11	protein_coding	methyltransferase like 12
ENSG00000205670.10	-5.184794561	-2.919482528	0.004334073	0.028324191	0.07	0.06	0	0	SMIM11	chr21	protein_coding	small integral membrane protein 11
ENSG00000274933.4	-1.952035776	-1.810436938	0.003401932	0.023956332	0.03	0.16	0.04	0	TBC1D31	chr17	protein_coding	TBC1 domain family, member 31
ENSG00000102524.11	2.692497666	-1.396416347	3.79E-07	1.50E-05	0.03	0.04	0.22	0.18	TNFSF13B	chr13	protein_coding	tumor necrosis factor (ligand) superfamily, member 13b

ENSG00000251079.6	-1.234327808	0.273656582	5.25E-05	0.000920551	0.53	0.93	0.29	0.25	BMS1P2	chr10	transcribed_unprocessed_pseudogene	BMS1 ribosome biogenesis factor pseudogene 2
ENSG00000274104.1	-1.212878609	0.322093827	3.92E-05	0.000724891	1.94	4.02	1.53	0.7	CTD-2553L13.10	chr19	lincRNA	
ENSG00000248150.1	3.510669518	-2.75592039	0.004007345	0.027138454	0	0	0.04	0.12	RP1-167G20.1	chr5	lincRNA	
ENSG00000146192.14	-5.035472108	-3.002462011	0.008472213	0.046592746	0	0	0	0	FGD2	chr6	protein_coding	FYVE, RhoGEF and PH domain containing 2
ENSG00000110245.11	5.692271614	-2.829338822	0.000589815	0.006205402	0	0	0.14	0.4	APOC3	chr11	protein_coding	apolipoprotein C-III
ENSG00000232442.1	-1.013271625	1.796280457	1.80E-06	5.65E-05	6.05	5.23	3.23	1.61	CTD-3184A7.4	chr20	antisense	
ENSG00000279108.1	1.77387228	-1.586530257	0.001344132	0.011610493	0.09	0.05	0.41	0	CTC-490E21.11	chr19	TEC	
ENSG00000012223.12	-1.413706081	-0.778135669	0.000802929	0.007988949	0.17	0.29	0.08	0.07	LTF	chr3	protein_coding	lactotransferrin
ENSG00000207631.1	5.056041163	-3.172748081	0.008472213	0.046592746	0	0	0.29	1.9	MIR641	chr19	miRNA	microRNA 641
ENSG00000267199.1	2.052597143	-1.826987874	0.000907628	0.008751665	0.01	0.02	0.06	0.06	RP11-861E21.2	chr18	antisense	
ENSG00000224903.1	2.816807228	-1.944091255	5.20E-05	0.000913547	0.15	0	0.5	0.42	AC005534.8	chr7	antisense	
ENSG00000223502.1	5.056889643	-3.172374913	0.008472213	0.046592746	0	0	0	0.52	RP11-96B5.3	chr10	antisense	
ENSG00000147437.9	1.172649901	-1.099543705	0.008515959	0.046784485	0.11	0.19	0.39	0.2	GNRH1	chr8	protein_coding	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)
ENSG00000105696.8	1.002562711	-0.325495638	0.002684443	0.019798423	0.31	0.28	0.35	0.71	TMEM59L	chr19	protein_coding	transmembrane protein 59-like

ENSG00000279133.1	1.130266933.1	0.220657111	0.000118867	0.0017509	0.18	0.19	0.41	0.31	RP11-342K2.1	chr17	TEC	
ENSG00000099617.3	1.563622417.3	-1.4028384	0.002368083	0.017891052	0.14	0.22	0.57	0.36	EFNA2	chr19	protein_coding	ephrin-A2
ENSG00000162897.14	-2.02497497.14	-2.004569441	0.005507409	0.034137494	0.15	0.06	0.04	0	FCAMR	chr1	protein_coding	Fc receptor, IgA, IgM, high affinity
ENSG00000272323.1	-3.74891023.1	-2.186701773	6.16E-05	0.001036856	0.19	0.16	0.02	0	CTD-2517O10.6	chr5	antisense	
ENSG00000204941.13	-1.08035541.13	1.804012053	6.51E-07	2.39E-05	1	1.55	0.46	0.6	PSG5	chr19	protein_coding	pregnancy specific beta-1-glycoprotein 5
ENSG00000251576.1	2.431990876.1	-1.42215828	3.52E-06	9.77E-05	0.07	0.02	0.11	0.34	LINC01267	chr3	lincRNA	long intergenic non-protein coding RNA 1267
ENSG00000174912.7	1.272240412.7	-1.320759281	0.00548848	0.034092002	0.15	0.24	0.44	0.42	METTL15P1	chr3	processed_pseudogene	methyltransferase like 15 pseudogene 1
ENSG00000228661.1	5.694761761.1	-2.828226684	0.000589815	0.006205402	0	0	0	0.7	AC090587.5	chr11	antisense	
ENSG00000101342.9	-2.20445142.9	-2.185421976	0.009023285	0.048439923	0.08	0.11	0.03	0	TLDC2	chr20	protein_coding	TBC/LysM-associated domain containing 2
ENSG00000277728.1	3.750673328.1	-2.615774902	0.001221239	0.010739157	0	0.06	0	0.88	RP11-143K11.7	chr17	antisense	
ENSG00000147174.11	1.801918274.11	1.436955009	5.01E-15	8.35E-13	0	0.43	0.98	1.28	ACRC	chrX	protein_coding	acidic repeat containing
ENSG00000182040.8	2.254212840.8	-1.544575761	2.31E-05	0.000465098	0.03	0.03	0.05	0.21	USH1G	chr17	protein_coding	Usher syndrome 1G (autosomal recessive)
ENSG00000270069.1	1.807389969.1	2.546076898	6.02E-20	1.74E-17	0	1.176	3.24	2.57	MIR222HG	chrX	lincRNA	MIR222 host gene
ENSG00000271150.1	5.407267850.1	-2.991727045	0.002223255	0.016979913	0	0	0.42	0.58	CTD-2571L23.9	chr19	processed_pseudogene	
ENSG00000000000	-2.74-2.23	0.000.00	0.000.00	0.000.00	0.4	0.13	0	0	AP0007	chr21	lincRNA	

0002247 90.1	2177 706	4143 04	0982 727	9290 055	68	7			04.5			
ENSG00 0002564 27.1	-5.32 0767 9	-2.84 0754 582	0.00 2223 255	0.01 6979 913	1. 32	0	0	0	RP11-1 18B22.4	chr12	lincRNA	
ENSG00 0002784 67.1	-5.03 6234 388	-3.00 2035 067	0.00 8472 213	0.04 6592 746	0. 09	0.3 1	0	0	RP11-5 04P24.9	chr1	lincRNA	
ENSG00 0002795 20.1	1.620 8937 39	0.644 6285 45	1.86 E-09	1.35 E-07	0. 52	0.6 3	1.63	1.48	RP11-2 0I23.2	chr16	TEC	
ENSG00 0002402 88.7	2.847 3064 07	-1.28 3692 589	5.25 E-08	2.66 E-06	0. 05	0.0 6	0.3	0.4	GHRLO S	chr3	antisense	ghrelin opposite strand/antisense RNA
ENSG00 0001641 75.14	6.222 1058 23	-2.49 0324 756	1.17 E-05	0.00 0263 728	0	0	0.07	0.08	SLC45A 2	chr5	protein_coding	solute carrier family 45, member 2
ENSG00 0002339 29.1	5.243 6774 16	-3.07 8854 719	0.00 4334 073	0.02 8324 191	0	0	0.15	1.18	MT1XP1	chr1	processed_pseudo gene	metallothionein 1X pseudogene 1
ENSG00 0002728 00.1	1.519 9591 52	-1.42 7470 608	0.00 2368 083	0.01 7891 052	0. 27	0.0 5	0.24	0.58	RP11-4 38L19.1	chr2	lincRNA	
ENSG00 0002778 46.1	-3.44 8181 455	-2.39 1675 867	0.00 0672 711	0.00 6880 458	3. 08	3.2 8	0.41	0	SNORD 30	chr11	snoRNA	small nucleolar RNA, C/D box 30
ENSG00 0002234 59.5	-1.78 8504 59	-0.99 2613 919	0.00 0109 104	0.00 1636 939	0. 28	0.3 1	0.14	0	TCAF1P 1	chr7	unprocessed_pseu dogene	TRPM8 channel-associated factor 1 pseudogene 1
ENSG00 0001711 24.12	2.541 4660 55	0.029 0399 92	3.86 E-14	5.74 E-12	0. 06	0.1 7	0.65	0.55	FUT3	chr19	protein_coding	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransfe rase, Lewis blood group)
ENSG00 0002578 30.1	-6.01 3997 147	-2.39 3045 874	4.29 E-05	0.00 0773 691	0. 25	0.4 7	0	0	RP11-8 45M18. 7	chr12	antisense	
ENSG00 0002133 99.3	5.407 2678 92	-2.99 1727 045	0.00 2223 255	0.01 6979 913	0	0	0.14	0.2	AC0222 10.2	chr2	processed_pseudo gene	
ENSG00 0000997	2.578 2323	-1.31 7326	8.48 E-07	3.01 E-05	0. 01	0.0 8	0.39	0.08	IGFALS	chr16	protein_coding	insulin-like growth factor binding

69.5	23	585														protein, acid labile subunit
ENSG00000120669.15	3.371829985	-1.863876758	2.11E-06	6.44E-05	0.02	0	0.17	0.06	SOHLH2	chr13	protein_coding					spermatogenesis and oogenesis specific basic helix-loop-helix 2
ENSG00000164061.4	-1.264292541	1.460737816	4.40E-08	2.29E-06	0.22	0.25	0.09	0.08	BSN	chr3	protein_coding					bassoon presynaptic cytomatrix protein
ENSG00000171385.9	-2.938569113	0.894491553	5.03E-22	1.77E-19	0.27	0.5	0.05	0.04	KCND3	chr1	protein_coding					potassium channel, voltage gated Shal related subfamily D, member 3
ENSG00000165178.9	2.799663828	-2.618907887	0.008668518	0.04710187	0.04	0	0.12	0.13	NCF1C	chr7	unprocessed_pseudogene					neutrophil cytosolic factor 1C pseudogene
ENSG00000242861.1	-1.231488649	-0.267862567	0.000591338	0.006212229	2.86	3.16	0.82	1.44	RP11-285F7.2	chr1	antisense					
ENSG00000259384.6	-7.288735248	3.313267378	1.25E-11	1.65E-11	22.3	24.33	0.1	0.15	GH1	chr17	protein_coding					growth hormone 1
ENSG00000137707.13	-5.036615664	-3.001821553	0.008472213	0.046592746	0.05	0.09	0	0	BTG4	chr11	protein_coding					B-cell translocation gene 4
ENSG00000259617.1	5.689785203	-2.830450171	0.000589815	0.006205402	0	0	0.34	0.31	RP11-540O11.6	chr15	antisense					
ENSG00000262652.1	1.79776169	-1.831529644	0.004887632	0.031147802	0.05	0.3	0.96	0.11	RP13-638C3.2	chr17	sense_intronic					
ENSG00000124171.8	1.234156488	2.999261054	1.91E-11	2.01E-09	0.85	1.18	2.28	1.92	PARD6B	chr20	protein_coding					par-6 family cell polarity regulator beta
ENSG00000273008.1	-1.593174835	-1.366273344	0.003408101	0.02398695	0.27	0.35	0.02	0.17	RP11-351D16.3	chr10	lincRNA					
ENSG00000196569.11	-1.572672688	-1.1441103	0.000728339	0.007346714	0.06	0.06	0.03	0	LAMA2	chr6	protein_coding					laminin, alpha 2
ENSG00000180316.11	1.274489809	-1.319722168	0.00548848	0.034092002	0.07	0.11	0.16	0.23	PNPLA1	chr6	protein_coding					patatin-like phospholipase domain containing 1

ENSG00000226629.1	6.033811577	-2.616271697	8.22E-05	0.001293661	0	0	0.07	0.13	LINC00974	chr17	lincRNA	long intergenic non-protein coding RNA 974
ENSG00000279145.1	2.575820513	-1.48195646	1.66E-06	5.35E-05	0.01	0.02	0.04	0.13	RP11-547D13.1	chr15	TEC	
ENSG00000130032.15	1.046024268	0.795974034	4.52E-05	0.000811463	0.25	0.12	0.32	0.34	PRRG3	chrX	protein_coding	proline rich Gla (G-carboxyglutamic acid) 3 (transmembrane)
ENSG00000251639.2	-1.951636906	-1.605052912	0.000908163	0.008751665	0.2	0.47	0.14	0	RP11-20I20.1	chr4	processed_pseudo gene	
ENSG00000267284.1	1.373405257	-0.691808381	0.000363451	0.004250856	0.31	0.23	0.46	0.77	RP11-397A16.1	chr18	lincRNA	
ENSG00000232486.1	4.687182567	-1.97884479	2.10E-08	1.18E-06	0	0.1	0	0.32	RP11-18B3.2	chr9	processed_pseudo gene	
ENSG00000196503.2	2.682025119	-1.583653962	1.18E-05	0.000264841	0.04	0.08	0.7	0	ARL9	chr4	protein_coding	ADP-ribosylation factor-like 9
ENSG00000240476.1	-2.412026162	-1.738006136	0.000343998	0.004075515	0.22	0.56	0	0.13	LINC00973	chr3	lincRNA	long intergenic non-protein coding RNA 973
ENSG00000230337.1	-2.874831531	-0.916929973	1.06E-08	6.45E-07	1.38	1.78	0.35	0	RP4-635E18.6	chr1	antisense	
ENSG00000116819.6	2.394014833	0.330429256	1.36E-14	2.11E-12	0.34	0.03	0.7	1.03	TFAP2E	chr1	protein_coding	transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon)
ENSG00000243135.5	-5.036615664	-3.001821553	0.008472213	0.046592746	0.02	0.03	0	0	UGT1A3	chr2	protein_coding	UDP glucuronosyltransferase 1 family, polypeptide A3
ENSG00000104129.9	-1.16936222	2.909226163	4.31E-10	3.59E-08	2.64	2.84	1.28	0.84	DNAJC17	chr15	protein_coding	DnaJ (Hsp40) homolog, subfamily C, member 17
ENSG00000141255.12	2.00967335	-1.0219058	1.08E-05	0.000247064	0.11	0.04	0.26	0.28	SPATA22	chr17	protein_coding	spermatogenesis associated 22

ENSG00000253258.1	2.871914791	-1.907110943	3.06E-05	0.000590967	0	0.13	0.84	0.04	RP11-539E17.5	chr8	antisense	
ENSG00000225762.1	-5.037378486	-3.001394442	0.008472213	0.046592746	0.28	0.21	0	0	LINC01389	chr1	antisense	long intergenic non-protein coding RNA 1389
ENSG00000280639.1	-3.075331952	-2.006439838	0.000252727	0.003208238	0.13	0.07	0.02	0	RP11-96C21.2	chr15	lincRNA	
ENSG00000281433.1	2.769152856	-2.269015817	0.000324907	0.003880758	0.3	0	1.06	0.82	Metazoa_SRP	chr3	misc_RNA	
ENSG00000259900.5	2.505562375	-1.368923149	1.36E-06	4.49E-05	0.19	0.11	0.87	0.61	RP11-343C2.7	chr16	protein_coding	
ENSG00000169181.12	3.639926582	0.547341139	1.62E-28	9.46E-26	0.02	0.07	0.47	0.51	GSG1L	chr16	protein_coding	GSG1-like
ENSG00000168619.15	5.24452133	-3.078482142	0.004334073	0.028324191	0	0	0	0.08	ADAM18	chr8	protein_coding	ADAM metalloproteinase domain 18
ENSG00000272892.1	-5.320012668	-2.841178805	0.002223255	0.016979913	0.2	0.04	0	0	RP11-57G10.8	chr10	lincRNA	
ENSG00000075340.22	-1.953803534	-1.423463129	0.000385931	0.004436607	0.06	0.03	0.02	0	ADD2	chr2	protein_coding	adducin 2 (beta)
ENSG00000259624.1	5.056889643	-3.172374913	0.008472213	0.046592746	0	0	0	0.5	RP11-138H8.3	chr15	antisense	
ENSG00000152611.11	1.82447122	-1.68005173	0.002021669	0.016213368	0.17	0.04	0.2	0.47	CAPSL	chr5	protein_coding	calcyphosine-like
ENSG00000171617.13	2.297908583	1.817657229	1.45E-24	6.70E-22	0.25	0.19	0.95	0.91	ENC1	chr5	protein_coding	ectodermal-neural cortex 1 (with BTB domain)
ENSG00000248319.1	5.053498468	-3.173867043	0.008472213	0.046592746	0	0	0.03	0.02	RP11-205M3.3	chr4	lincRNA	
ENSG00000236123.1	-5.038905215	-3.000539885	0.008472213	0.046592746	0.42	0	0	0	CEACAMP11	chr19	unprocessed_pseudogene	carcinoembryonic antigen-related cell adhesion molecule pseudogene 11

ENSG00000275173.1	5.559637807	-2.907001505	0.001143578	0.010265309	0	0	0	0.66	AC091199.1	chr17	lincRNA	
ENSG00000120324.6	-3.242517544	-1.886171313	8.83E-05	0.001376364	0.11	0.1	0.02	0	PCDHB10	chr5	protein_coding	protocadherin beta 10
ENSG00000144445.15	1.468407231	0.649044702	3.30E-08	1.77E-06	0.1	0.23	0.39	0.43	KANSL1L	chr2	protein_coding	KAT8 regulatory NSL complex subunit 1-like
ENSG00000266980.1	1.627247535	0.143628757	1.48E-07	6.56E-06	0.57	0.2	1.76	1.52	RP11-552F3.4	chr17	antisense	
ENSG00000236814.1	3.803908891	-1.543244073	4.59E-09	3.08E-07	0	0.07	0.44	0.46	RP11-446E9.1	chr8	processed_pseudogene	
ENSG00000234869.1	1.224042588	-0.337137136	0.000386136	0.004437031	0.18	0.13	0.26	0.38	RP3-439F8.1	chr22	antisense	
ENSG00000276302.1	4.128051107	-2.374307385	6.16E-05	0.001036856	0	0.05	0.36	0.56	RP5-874C20.8	chr6	protein_coding	
ENSG00000171234.13	5.410622832	-2.99023964	0.002223255	0.016979913	0	0	0	0.15	UGT2B7	chr4	protein_coding	UDP glucuronosyltransferase 2 family, polypeptide B7
ENSG00000183186.7	-1.01108062	-0.195174963	0.002158044	0.016979913	0.39	0.29	0.25	0.03	C2CD4C	chr19	protein_coding	C2 calcium-dependent domain containing 4C
ENSG00000188959.9	4.838583571	-1.152127301	6.10E-14	8.72E-12	0.01	0.01	0.28	0.27	C9orf152	chr9	protein_coding	chromosome 9 open reading frame 152
ENSG00000274735.1	7.450540164	-1.544019755	1.44E-11	1.54E-09	0	0	15.76	3.93	FP236383.3	chr21	miRNA	
ENSG00000240211.1	3.551633295	-0.727709471	3.74E-14	5.60E-12	0.27	0.34	1.88	4.67	RP11-758P17.3	chr7	antisense	
ENSG00000224020.1	1.975541779	1.661829185	1.32E-18	3.23E-16	1.87	2.08	7.01	6.65	MIR181A2HG	chr9	antisense	MIR181A2 host gene
ENSG00000145700.1	1.9031018	-1.394373	0.000168	0.002301	0.03	0.02	0.01	0.15	IQGAP2	chr5	protein_coding	IQ motif containing GTPase activating

03.15	44	77	358	014									protein 2
ENSG00000265695.1	1.5651232	-1.401409	0.002368	0.017891	2.81	2.29	6.8	6.57	MIR3064	chr17	miRNA		microRNA 3064
ENSG00000274751.1	2.3889424	-1.986963	0.000501	0.005548	0	0.03	0.06	0.11	LA16c-358B7.4	chr16	antisense		
ENSG00000171931.12	1.9777261	2.4086908	1.69E-22	6.36E-20	0.73	0.52	1.92	2.39	FBXW10	chr17	protein_coding		F-box and WD repeat domain containing 10
ENSG00000243910.7	-5.185173	-2.919269	0.004334	0.028324	0.12	0.07	0	0	TUBA4B	chr2	protein_coding		tubulin, alpha 4b
ENSG00000272046.1	1.1710344	-0.296969	0.000457	0.005114	0.12	0.15	0.19	0.35	RP11-471M2.3	chr13	lincRNA		
ENSG00000170579.14	-2.955268	-2.697749	0.007234	0.042343	0.02	0.02	0	0	DLGAP1	chr18	protein_coding		discs, large (Drosophila) homolog-associated protein 1
ENSG00000085465.12	1.9093791	2.6020591	4.39E-22	1.56E-19	1.27	1.05	4.33	3.29	OVGP1	chr1	protein_coding		oviductal glycoprotein 1, 120kDa
ENSG00000277767.1	-2.813863	-2.186367	0.002010	0.016171	0.12	0.17	0.03	0	RP11-365P13.5	chr13	lincRNA		
ENSG00000267264.1	-5.443463	-2.767091	0.001143	0.010265	0.62	0	0	0	CTC-459F4.6	chr19	processed_pseudo gene		
ENSG00000245317.2	1.3729303	-0.323166	6.69E-05	0.001110	0.31	0.28	0.65	0.71	CTC-241N9.1	chr5	lincRNA		
ENSG00000162783.10	1.0412412	7.1454468	7.90E-11	7.41E-09	21.65	22.85	39.17	41.04	IER5	chr1	protein_coding		immediate early response 5
ENSG00000215769.8	1.1004559	2.1900999	4.17E-08	2.18E-06	0.96	1.19	2.04	1.99	RP13-104F24.2	chr17	processed_transcript		
ENSG00000204323.5	1.6100085	-0.087588	4.57E-07	1.77E-05	0.11	0.07	0.14	0.35	SMIM5	chr17	protein_coding		small integral membrane protein 5
ENSG00000280700	5.6931012	-2.828968	0.000589	0.006205	0	0	0.03	0.16	JADRR	chr4	lincRNA		JADE1 adjacent regulatory RNA

11.1	52	197	815	402																		
ENSG00000215039.6	2.413254972	0.593152794	6.00E-17	1.26E-14	0.37	0.19	1.42	1.16	CD27-AS1	chr12	processed_transcript	CD27 antisense RNA 1										
ENSG00000205940.8	1.292249791	-1.163578739	0.00313397	0.022404822	0.09	0.11	0.09	0.37	HSP90A B2P	chr4	transcribed_processed_pseudogene	heat shock protein 90kDa alpha (cytosolic), class B member 2, pseudogene										
ENSG00000157653.11	-1.830909693	-1.076659528	0.000163108	0.002238544	0.27	0.29	0.08	0.06	C9orf43	chr9	protein_coding	chromosome 9 open reading frame 43										
ENSG00000230268.3	6.228566639	-2.487384439	1.17E-05	0.000263728	0	0	0	0.86	SSU72P8	chr7	processed_pseudogene	SSU72 pseudogene 8										
ENSG00000060558.3	1.111398245	-0.524446205	0.002894424	0.021063952	0.28	0.12	0.12	0.65	GNA15	chr19	protein_coding	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)										
ENSG00000227449.8	-1.65342152	-0.691933525	8.97E-05	0.001393933	0.43	0.3	0.12	0.12	RP11-111F5.5	chr9	transcribed_unprocessed_pseudogene											
ENSG00000214248.2	1.673437285	-1.903767574	0.007351292	0.042881724	0.03	0.02	0.01	0.12	CTD-3193O13.12	chr19	antisense											
ENSG00000163803.12	1.011989838	0.33400952	0.000293465	0.003640599	0.15	0.17	0.16	0.41	PLB1	chr2	protein_coding	phospholipase B1										
ENSG00000268744.1	1.557855437	-0.044587341	1.09E-06	3.71E-05	0.26	0.12	0.4	0.58	CTD-3105H18.14	chr19	protein_coding											
ENSG00000260743.1	6.130670652	-2.552116476	2.24E-05	0.000452395	0	0	0.13	0.16	RP11-255C15.3	chr3	lincRNA											
ENSG00000130988.12	8.943605295	-0.190347926	4.35E-29	2.80E-26	0	0	0.78	0.63	RGN	chrX	protein_coding	regucalcin										
ENSG00000259826.1	1.888270313	-1.402812218	0.000254202	0.003220254	0.04	0.09	0.32	0.1	RP11-467D6.1	chr7	antisense											
ENSG00000260886.1	3.162547163	-1.448757698	9.01E-08	4.29E-06	0.15	0	0.33	0.94	TAT-AS1	chr16	antisense	TAT antisense RNA 1										

ENSG00000256745.1	6.678710825	-2.163916392	2.56E-07	1.05E-05	0	0	0.41	0.8	RP11-680H20.1	chr11	processed_pseudo gene	
ENSG00000260966.1	1.925695125	-0.833530975	3.70E-06	0.00101299	0.04	0.04	0.09	0.21	RP11-690D19.3	chr11	sense_overlapping	
ENSG00000272264.1	-1.467589217	-0.906589043	0.001332878	0.011566391	1.17	1.15	0.15	0.6	RP11-92K15.3	chr8	lincRNA	