

Cancer transcriptomic profiling from rapidly enriched circulating tumor cells

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Supplementary Tables

Supplementary Table 1. Primer sequences used in the study.

Gene	Forward Primer Sequence	Reverse Primer Sequence
β -Actin	AGAGCTACGAGCTGCCTGAC	AGCACTGTGTTGGCGTACAG
AR	ACTGCCAGGGACCATGTTTT	CTTCTGTTTCCCTTCAGCGG
PSMA	GAATGCCAGAGGGCGATCTA	AATGACTCCTTTGGCCCCTG
PSA	CGAGAAGCATTCCCAACCCT	TCACGCTTTTGTTCCTGATGC
EpCAM	GCTGGCCGTAAACTGCTTTG	ACATTTGGCAGCCAGCTTTG

Supplementary Table 2. CellSearch counts for mCRPC patients.

Patient #	CellSearch CTC counts
1	18
2	695
3	690
4	1192
5	17

Supplementary Table 3. NextSeq sequencing run metrics.

<i>Sample Identifier</i>	<i>M Reads Mapped</i>	<i>% RNA</i>	<i>% mRNA</i>	<i>% Aligned</i>	<i>Insert Size (bp)</i>	<i>% Dups</i>	<i>% Aligned</i>	<i>M Aligned</i>
<i>22Rv1:PBMC (100:0)</i>	86	10.9	64.0	92	199	93.7	71.3	23.1
<i>22Rv1:PBMC (50:50)</i>	80.2	11.1	55.0	94	182	85.4	71.9	21.1
<i>22Rv1:PBMC (25:75)</i>	74.7	10.5	52.1	94	186	85.2	73.9	20.6
<i>22Rv1:PBMC (5:95)</i>	66.4	7.5	47.1	95	185	82.3	79.5	21.1
<i>22Rv1:PBMC (0:100)</i>	81.3	11.1	44.0	95	177	87.0	76.1	23.2
<i>Patient 1- PBMC</i>	63.7	8.7	50.5	95	185	83.1	79.8	20.1
<i>Patient 2- PBMC</i>	93.1	18.0	50.1	91	186	86.1	62.3	19.3
<i>Patient 3- PBMC</i>	82.0	15.6	55.3	96	182	88.1	66.1	17.0
<i>Patient 4- PBMC</i>	71.8	9.4	51.6	96	170	89.7	79.3	22.0
<i>Patient 5- PBMC</i>	94.1	23.0	44.3	95	185	85.6	63.6	18.8
<i>Patient 1- CTC enriched</i>	51.4	7.0	63.6	95	143	99.3	78.0	14.9
<i>Patient 2- CTC enriched</i>	49.1	5.9	57.4	93	115	99.0	77.2	14.2
<i>Patient 3- CTC enriched</i>	45.3	6.5	63.5	91	111	98.9	76.9	14.3
<i>Patient 4- CTC enriched</i>	42.4	9.2	59.3	76	122	98.7	59.9	11.2
<i>Patient 5- CTC enriched</i>	13.4	0.1	86.6	10	308	98.4	9.7	5.7

Supplementary Data 1. Raw data files generated from Ingenuity Pathway Analysis.

Gene List

Expr Log Ratio	ID	Symbol	Entrez Gene Name	Location
2.453	ENSG00000202198	75K	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
2.357	ENSG00000167972	ABCA3	ATP binding cassette subfamily A member 3	Plasma Membrane
2.758	ENSG00000108846	ABCC3	ATP binding cassette subfamily C member 3	Plasma Membrane
1.718	ENSG00000204574	ABCF1	ATP binding cassette subfamily F member 1	Cytoplasm
2.646	ENSG00000173210	ABLIM3	actin binding LIM protein family member 3	Cytoplasm
8.731	ENSG00000253190	AC0840823	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
3.402	ENSG00000213846	AC0986142	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
1.702	ENSG00000078124	ACER3	alkaline ceramidase 3	Cytoplasm
2.854	ENSG00000111644	ACRBP	acrosin binding protein	Extracellular Space
9.177	ENSG00000166743	ACSM1	acyl-CoA synthetase medium chain family member 1	Cytoplasm
2.129	ENSG00000133627	ACTR3B	actin related protein 3B	Cytoplasm
4.826	ENSG00000154734	ADAMTS1	ADAM metalloproteinase with thrombospondin type 1 motif 1	Extracellular Space
4.463	ENSG00000174233	ADCY6	adenylate cyclase 6	Plasma Membrane
6.263	ENSG00000164199	ADGRV1	adhesion G protein-coupled receptor V1	Plasma Membrane
1.744	ENSG00000182551	ADI1	acireductone dioxygenase 1	Nucleus
6.377	ENSG00000043591	ADRB1	adrenoceptor beta 1	Plasma Membrane
2.813	ENSG00000196526	AFAP1	actin filament associated protein 1	Cytoplasm
2.446	ENSG00000169129	AFAP1L2	actin filament associated protein 1 like 2	Cytoplasm
4.047	ENSG00000130396	AFDN	afadin, adherens junction formation factor	Nucleus
9.684	ENSG00000106541	AGR2	anterior gradient 2, protein disulphide isomerase family member	Extracellular Space
4.549	ENSG00000188157	AGRN	agrin	Plasma Membrane
4.88	ENSG00000131016	AKAP12	A-kinase anchoring protein 12	Cytoplasm
2.194	ENSG00000170017	ALCAM	activated leukocyte cell adhesion molecule	Plasma Membrane
9.375	ENSG00000184254	ALDH1A3	aldehyde dehydrogenase 1 family member A3	Cytoplasm
5.182	ENSG00000164904	ALDH7A1	aldehyde dehydrogenase 7 family member A1	Cytoplasm
2.942	ENSG00000123505	AMD1	adenosylmethionine decarboxylase 1	Cytoplasm
11.436	ENSG00000114019	AMOTL2	angiominin like 2	Plasma Membrane
2.88	ENSG00000151150	ANK3	ankyrin 3	Plasma Membrane
2.695	ENSG00000164236	ANKRD33B	ankyrin repeat domain 33B	Other
1.98	ENSG00000174501	ANKRD36C	ankyrin repeat domain 36C	Other
2.99	ENSG00000148120	AOPEP	aminopeptidase O (putative)	Cytoplasm
5.211	ENSG00000129354	AP1M2	adaptor related protein complex 1 subunit mu 2	Cytoplasm
2.02	ENSG00000136044	APPL2	adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 2	Cytoplasm
7.904	ENSG00000169083	AR	androgen receptor	Nucleus
6.882	ENSG00000112379	ARFGEF3	ARFGEF family member 3	Other
2.968	ENSG00000146376	ARHGAP18	Rho GTPase activating protein 18	Cytoplasm
3.158	ENSG00000107863	ARHGAP21	Rho GTPase activating protein 21	Cytoplasm
3.255	ENSG00000134909	ARHGAP32	Rho GTPase activating protein 32	Cytoplasm
3.572	ENSG00000047648	ARHGAP6	Rho GTPase activating protein 6	Cytoplasm
9.966	ENSG00000130762	ARHGEF16	Rho guanine nucleotide exchange factor 16	Cytoplasm
10.604	ENSG00000114790	ARHGEF26	Rho guanine nucleotide exchange factor 26	Plasma Membrane
5.794	ENSG00000214944	ARHGEF28	Rho guanine nucleotide exchange factor 28	Cytoplasm
8.505	ENSG00000236699	ARHGEF38	Rho guanine nucleotide exchange factor 38	Other
1.945	ENSG00000179361	ARID3B	AT-rich interaction domain 3B	Nucleus
7.826	ENSG00000260896	ARLNC1	androgen receptor regulated long noncoding RNA 1	Other
6.736	ENSG00000158301	ARMCX5-GPRASP2/GPRASP2	G protein-coupled receptor associated sorting protein 2	Plasma Membrane
3.864	ENSG00000151693	ASAP2	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2	Nucleus
5.324	ENSG00000088280	ASAP3	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3	Plasma Membrane
2.955	ENSG00000070669	ASNS	asparagine synthetase (glutamine-hydrolyzing)	Cytoplasm
11.256	ENSG00000130707	ASS1	argininosuccinate synthase 1	Cytoplasm
7.232	ENSG00000162772	ATF3	activating transcription factor 3	Nucleus
2.131	ENSG00000163399	ATP1A1	ATPase Na ⁺ /K ⁺ transporting subunit alpha 1	Plasma Membrane
2.439	ENSG00000017260	ATP2C1	ATPase secretory pathway Ca ²⁺ transporting 1	Cytoplasm
12.65	ENSG00000081923	ATP8B1	ATPase phospholipid transporting 8B1	Plasma Membrane
3.012	ENSG00000054793	ATP9A	ATPase phospholipid transporting 9A (putative)	Cytoplasm
13.094	ENSG00000160862	AZGP1	alpha-2-glycoprotein 1, zinc-binding	Extracellular Space
4.777	ENSG00000182240	BACE2	beta-secretase 2	Cytoplasm
8.998	ENSG00000006453	BAIAP2L1	BAI1 associated protein 2 like 1	Cytoplasm
5.687	ENSG00000095739	BAMBI	BMP and activin membrane bound inhibitor	Plasma Membrane
2.606	ENSG00000153064	BANK1	B cell scaffold protein with ankyrin repeats 1	Extracellular Space
9.637	ENSG00000043039	BARX2	BARX homeobox 2	Nucleus
2.846	ENSG00000105327	BBC3	BCL2 binding component 3	Cytoplasm
9.149	ENSG00000050820	BCAR1	BCAR1 scaffold protein, Cas family member	Plasma Membrane
9.572	ENSG00000064787	BCAS1	breast carcinoma amplified sequence 1	Plasma Membrane
2.038	ENSG00000183337	BCOR	BCL6 corepressor	Nucleus
5.93	ENSG00000236824	BCYRN1	brain cytoplasmic RNA 1	Other
2.122	ENSG00000166681	BEX3	brain expressed X-linked 3	Cytoplasm
3.212	ENSG00000151746	BICD1	BICD cargo adaptor 1	Cytoplasm
9.138	ENSG00000162069	BICDL2	BICD family like cargo adaptor 2	Other
11.031	ENSG00000138696	BMPRI1B	bone morphogenetic protein receptor type 1B	Plasma Membrane
3.586	ENSG00000176171	BNIP3	BCL2 interacting protein 3	Cytoplasm
7.47	ENSG00000164061	BSN	bassoon presynaptic cytomatrix protein	Plasma Membrane
5.853	ENSG00000270689	BUD13P1	BUD13 homolog pseudogene 1	Other
4.555	ENSG00000175746	C15orf54	chromosome 15 open reading frame 54 (putative)	Other
24.965	ENSG00000251435	C1GALT1P2	C1GALT1 pseudogene 2	Other
4.706	ENSG00000162817	C1orf115	chromosome 1 open reading frame 115	Other
5.814	ENSG00000182795	C1orf116	chromosome 1 open reading frame 116	Cytoplasm
3.102	ENSG00000119280	C1orf198	chromosome 1 open reading frame 198	Cytoplasm
3.146	ENSG00000116667	C1orf21	chromosome 1 open reading frame 21	Other
7.247	ENSG00000114529	C3orf52	chromosome 3 open reading frame 52	Other
6.186	ENSG00000188112	C6orf132	chromosome 6 open reading frame 132	Other
9.779	ENSG00000188959	C9orf152	chromosome 9 open reading frame 152	Other
25.532	ENSG00000074410	CA12	carbonic anhydrase 12	Plasma Membrane
3.023	ENSG00000120159	CAAP1	caspace activity and apoptosis inhibitor 1	Other
4.369	ENSG00000157388	CACNA1D	calcium voltage-gated channel subunit alpha1 D	Plasma Membrane
8.404	ENSG00000075461	CACNG4	calcium voltage-gated channel auxiliary subunit gamma 4	Plasma Membrane
9.176	ENSG00000081803	CADPS2	calcium dependent secretion activator 2	Plasma Membrane
4.349	ENSG00000122786	CALD1	caldesmon 1	Cytoplasm
5.099	ENSG00000178033	CALHM5	calcium homeostasis modulator family member 5	Cytoplasm
6.661	ENSG00000162545	CAMK2N1	calcium/calmodulin dependent protein kinase II inhibitor 1	Plasma Membrane

4.025	ENSG00000118200	CAMSAP2	calmodulin regulated spectrin associated protein family member 2	Cytoplasm
5.88	ENSG00000076826	CAMSAP3	calmodulin regulated spectrin associated protein family member 3	Cytoplasm
2.689	ENSG00000171735	CAMTA1	calmodulin binding transcription activator 1	Other
2.208	ENSG00000171302	CANT1	calcium activated nucleotidase 1	Extracellular Space
8.727	ENSG00000162949	CAPN13	calpain 13	Cytoplasm
6.819	ENSG00000100065	CARD10	caspace recruitment domain family member 10	Cytoplasm
2.643	ENSG00000079691	CARMIL1	capping protein regulator and myosin 1 linker 1	Cytoplasm
2.085	ENSG00000164305	CASP3	caspace 3	Cytoplasm
5.524	ENSG00000087589	CASS4	Cas scaffold protein family member 4	Plasma Membrane
2.563	ENSG00000130940	CASZ1	castor zinc finger 1	Nucleus
2.737	ENSG00000168497	CAVIN2	caveolae associated protein 2	Plasma Membrane
8.692	ENSG00000160200	CBS/CBSL	cystathionine-beta-synthase	Cytoplasm
6.2	ENSG00000173894	CBX2	chromobox 2	Nucleus
1.923	ENSG00000165813	CCDC186	coiled-coil domain containing 186	Other
10.764	ENSG00000163040	CCDC74A	coiled-coil domain containing 74A	Other
2.026	ENSG00000119242	CCDC92	coiled-coil domain containing 92	Cytoplasm
11.623	ENSG00000142871	CCN1	cellular communication network factor 1	Extracellular Space
8.732	ENSG00000110092	CCND1	cyclin D1	Nucleus
3.4	ENSG00000183813	CCR4	C-C motif chemokine receptor 4	Plasma Membrane
6.564	ENSG00000103855	CD276	CD276 molecule	Plasma Membrane
2.323	ENSG00000110848	CD69	CD69 molecule	Plasma Membrane
3.583	ENSG0000010278	CD9	CD9 molecule	Plasma Membrane
3.312	ENSG00000106993	CDC37L1	cell division cycle 37 like 1	Cytoplasm
2.879	ENSG00000198752	CDC42BPB	CDC42 binding protein kinase beta	Cytoplasm
3.594	ENSG00000171219	CDC42BPG	CDC42 binding protein kinase gamma	Cytoplasm
6.091	ENSG00000039068	CDH1	cadherin 1	Plasma Membrane
2.441	ENSG00000155111	CDK19	cyclin dependent kinase 19	Nucleus
2.891	ENSG00000151725	CENPU	centromere protein U	Nucleus
6.786	ENSG00000099814	CEP170B	centrosomal protein 170B	Other
2.738	ENSG00000183137	CEP57L1	centrosomal protein 57 like 1	Other
5.501	ENSG00000213085	CFAP45	cilia and flagella associated protein 45	Nucleus
8.338	ENSG00000105792	CFAP69	cilia and flagella associated protein 69	Cytoplasm
9.164	ENSG00000143375	CGN	cingulin	Plasma Membrane
12.519	ENSG00000128849	CGNL1	cingulin like 1	Plasma Membrane
2.313	ENSG00000110721	CHKA	choline kinase alpha	Cytoplasm
11.662	ENSG00000164695	CHMP4C	charged multivesicular body protein 4C	Cytoplasm
2.279	ENSG00000080605	CHMP5	charged multivesicular body protein 5	Cytoplasm
10.099	ENSG00000168539	CHRM1	cholinergic receptor muscarinic 1	Plasma Membrane
3.643	ENSG00000166165	CKB	creatine kinase B	Cytoplasm
2.241	ENSG00000109572	CLCN3	chloride voltage-gated channel 3	Plasma Membrane
8.59	ENSG00000165215	CLDN3	claudin 3	Plasma Membrane
13.904	ENSG00000189143	CLDN4	claudin 4	Plasma Membrane
4.919	ENSG00000181885	CLDN7	claudin 7	Plasma Membrane
4.185	ENSG00000165682	CLEC1B	C-type lectin domain family 1 member B	Plasma Membrane
11.801	ENSG00000153132	CLGN	calmegin	Cytoplasm
2.048	ENSG00000169504	CLIC4	chloride intracellular channel 4	Plasma Membrane
1.928	ENSG00000106665	CLIP2	CAP-Gly domain containing linker protein 2	Cytoplasm
5.118	ENSG00000142675	CNKSR1	connector enhancer of kinase suppressor of Ras 1	Cytoplasm
5.176	ENSG00000153721	CNKSR3	CNKSR family member 3	Plasma Membrane
5.781	ENSG00000117519	CNN3	calponin 3	Cytoplasm
3.225	ENSG00000162852	CNST	consortin, connexin sorting protein	Cytoplasm
9.728	ENSG00000106078	COBL	cordons-bleu WH2 repeat protein	Plasma Membrane
4.102	ENSG00000082438	COBL11	cordons-bleu WH2 repeat protein like 1	Extracellular Space
4.962	ENSG00000171502	COL24A1	collagen type XXIV alpha 1 chain	Extracellular Space
6.951	ENSG00000188153	COL4A5	collagen type IV alpha 5 chain	Extracellular Space
4.099	ENSG00000163359	COL6A3	collagen type VI alpha 3 chain	Extracellular Space
13.315	ENSG00000196167	COLCA1	colorectal cancer associated 1	Other
5.598	ENSG00000158270	COLEC12	collectin subfamily member 12	Plasma Membrane
8.459	ENSG00000196353	CPNE4	copine 4	Cytoplasm
2.804	ENSG00000177685	CRACR2B	calcium release activated channel regulator 2B	Cytoplasm
6.477	ENSG00000130545	CRB3	crumbs cell polarity complex component 3	Cytoplasm
4.311	ENSG00000143578	CREB3L4	cAMP responsive element binding protein 3 like 4	Nucleus
6.116	ENSG00000182809	CRIP2	cysteine rich protein 2	Nucleus
9.759	ENSG00000121005	CRISPLD1	cysteine rich secretory protein LCCL domain containing 1	Cytoplasm
6.18	ENSG00000245694	CRNDE	colorectal neoplasia differentially expressed	Other
3.489	ENSG00000005469	CROT	carnitine O-octanoyltransferase	Cytoplasm
1.887	ENSG00000144655	CSRN1	cysteine and serine rich nuclear protein 1	Nucleus
2.807	ENSG00000253683	CTB_79E83	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
5.192	ENSG00000267383	CTC_260E66	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
9.525	ENSG00000254434	CTD_2555I51	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
3.667	ENSG00000260035	CTD_2651B206	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
2.552	ENSG00000198561	CTNND1	catenin delta 1	Nucleus
3.895	ENSG00000085733	CTTN	cortactin	Plasma Membrane
4.955	ENSG00000111249	CUX2	cut like homeobox 2	Nucleus
12.599	ENSG00000154639	CXADR	CXADR Ig-like cell adhesion molecule	Plasma Membrane
6.31	ENSG00000081041	CXCL2	C-X-C motif chemokine ligand 2	Extracellular Space
7.32	ENSG00000163734	CXCL3	C-X-C motif chemokine ligand 3	Extracellular Space
2.683	ENSG00000163735	CXCL5	C-X-C motif chemokine ligand 5	Extracellular Space
2.033	ENSG00000171604	CXXC5	CXXC finger protein 5	Nucleus
3.552	ENSG00000166347	CYB5A	cytochrome b5 type A	Cytoplasm
10.625	ENSG00000134716	CYP2J2	cytochrome P450 family 2 subfamily J member 2	Cytoplasm
11.393	ENSG00000239402	CYP4F62P	cytochrome P450 family 4 subfamily F member 62, pseudogene	Other
1.427	ENSG00000105443	CYTH2	cytohesin 2	Cytoplasm
3.759	ENSG00000100592	DAAM1	dishevelled associated activator of morphogenesis 1	Cytoplasm
3.052	ENSG00000153071	DAB2	DAB adaptor protein 2	Plasma Membrane
3.008	ENSG00000167657	DAPK3	death associated protein kinase 3	Cytoplasm
3.922	ENSG00000113758	DBN1	drebrin 1	Cytoplasm
5.017	ENSG00000170390	DCLK2	doublecortin like kinase 2	Cytoplasm
4.629	ENSG00000204580	DDR1	discoidin domain receptor tyrosine kinase 1	Plasma Membrane
4.463	ENSG00000175984	DENND2C	DENN domain containing 2C	Other
7.912	ENSG00000165507	DEPP1	DEPP1 autophagy regulator	Cytoplasm

4.395	ENSG00000155792	DEPTOR	DEP domain containing MTOR interacting protein	Cytoplasm
4.378	ENSG00000116133	DHCR24	24-dehydrocholesterol reductase	Cytoplasm
2.172	ENSG00000162496	DHRS3	dehydrogenase/reductase 3	Cytoplasm
2.86	ENSG00000151240	DIP2C	disco interacting protein 2 homolog C	Other
3.261	ENSG00000151208	DLG5	discs large MAGUK scaffold protein 5	Plasma Membrane
3.152	ENSG00000185842	DNAH14	dynein axonemal heavy chain 14	Other
3.764	ENSG00000197959	DNM3	dynamamin 3	Cytoplasm
3.523	ENSG00000150760	DOCK1	dedicator of cytokinesis 1	Cytoplasm
4.07	ENSG00000130158	DOCK6	dedicator of cytokinesis 6	Cytoplasm
11.392	ENSG00000245750	DRAIC	downregulated RNA in cancer, inhibitor of cell invasion and migration	Other
8.523	ENSG00000046604	DSG2	desmoglein 2	Plasma Membrane
8.644	ENSG00000096696	DSP	desmoplakin	Plasma Membrane
2.988	ENSG00000125868	DSTN	destrin, actin depolymerizing factor	Cytoplasm
6.112	ENSG00000134769	DTNA	dystrobrevin alpha	Plasma Membrane
4.268	ENSG00000243701	DUBR	DPPA2 upstream binding RNA	Other
9.065	ENSG00000078401	EDN1	endothelin 1	Extracellular Space
7.737	ENSG00000127129	EDN2	endothelin 2	Extracellular Space
12.123	ENSG00000101210	EEF1A2	eukaryotic translation elongation factor 1 alpha 2	Cytoplasm
10.349	ENSG00000169242	EFNA1	ephrin A1	Plasma Membrane
2.625	ENSG00000138798	EGF	epidermal growth factor	Extracellular Space
11.923	ENSG00000146648	EGFR	epidermal growth factor receptor	Plasma Membrane
4.291	ENSG00000129521	EGLN3	egl-9 family hypoxia inducible factor 3	Cytoplasm
4.457	ENSG00000120738	EGR1	early growth response 1	Nucleus
3.186	ENSG00000013016	EHD3	EH domain containing 3	Cytoplasm
12.764	ENSG00000135373	EHF	ETS homologous factor	Nucleus
1.607	ENSG00000143486	EIF2D	eukaryotic translation initiation factor 2D	Cytoplasm
2.035	ENSG00000125977	EIF2S2	eukaryotic translation initiation factor 2 subunit beta	Cytoplasm
5.975	ENSG00000163435	ELF3	E74 like ETS transcription factor 3	Nucleus
6.9	ENSG00000234678	ELF3-AS1	ELF3 antisense RNA 1	Other
8.887	ENSG00000135374	ELF5	E74 like ETS transcription factor 5	Other
24.62	ENSG00000066629	EML1	EMAP like 1	Cytoplasm
10.316	ENSG00000213853	EMP2	epithelial membrane protein 2	Plasma Membrane
13.715	ENSG00000154380	ENAH	ENAH actin regulator	Plasma Membrane
5.765	ENSG00000088367	EPB41L1	erythrocyte membrane protein band 4.1 like 1	Plasma Membrane
14.385	ENSG00000119888	EPCAM	epithelial cell adhesion molecule	Plasma Membrane
7.332	ENSG00000080224	EPHA6	EPH receptor A6	Plasma Membrane
4.681	ENSG00000196411	EPHB4	EPH receptor B4	Plasma Membrane
6.421	ENSG00000049283	EPN3	epsin 3	Cytoplasm
7.108	ENSG00000177106	EPS8L2	EPS8 like 2	Cytoplasm
6.506	ENSG00000065361	ERBB3	erb-b2 receptor tyrosine kinase 3	Plasma Membrane
8.201	ENSG00000116285	ERRF1	ERBB receptor feedback inhibitor 1	Cytoplasm
8.167	ENSG00000226887	ERVMER34-1	endogenous retrovirus group MER34 member 1, envelope	Other
2.858	ENSG00000149564	ESAM	endothelial cell adhesion molecule	Plasma Membrane
12.333	ENSG00000104413	ESRP1	epithelial splicing regulatory protein 1	Nucleus
10.094	ENSG00000103067	ESRP2	epithelial splicing regulatory protein 2	Nucleus
7.468	ENSG00000196482	ESRRG	estrogen related receptor gamma	Nucleus
4.046	ENSG00000072840	EVC	EvC ciliary complex subunit 1	Cytoplasm
4.217	ENSG00000110723	EXPH5	exophilin 5	Cytoplasm
2.575	ENSG00000092820	EZR	ezrin	Plasma Membrane
1.446	ENSG00000158769	F11R	F11 receptor	Plasma Membrane
5.378	ENSG00000127533	F2RL3	F2R like thrombin or trypsin receptor 3	Plasma Membrane
8.184	ENSG00000103089	FA2H	fatty acid 2-hydroxylase	Cytoplasm
3.802	ENSG00000169122	FAM110B	family with sequence similarity 110 member B	Cytoplasm
9.773	ENSG00000109794	FAM149A	family with sequence similarity 149 member A	Other
9.295	ENSG00000130054	FAM155B	family with sequence similarity 155 member B	Plasma Membrane
4.84	ENSG00000148468	FAM171A1	family with sequence similarity 171 member A1	Cytoplasm
5.524	ENSG00000185442	FAM174B	family with sequence similarity 174 member B	Other
3.058	ENSG00000185112	FAM43A	family with sequence similarity 43 member A	Other
4.338	ENSG00000101447	FAM83D	family with sequence similarity 83 member D	Cytoplasm
4.84	ENSG00000133477	FAM83F	family with sequence similarity 83 member F	Other
4.03	ENSG00000188522	FAM83G	family with sequence similarity 83 member G	Other
3.583	ENSG00000180921	FAM83H	family with sequence similarity 83 member H	Other
9.412	ENSG00000203499	FAM83H-AS1	FAM83H antisense RNA 1 (head to head)	Other
3.13	ENSG00000168672	FAM84B	family with sequence similarity 84 member B	Plasma Membrane
8.845	ENSG00000180178	FAR2P1	fatty acyl-CoA reductase 2 pseudogene 1	Other
9.18	ENSG00000178162	FAR2P2	fatty acyl-CoA reductase 2 pseudogene 2	Other
7.394	ENSG00000240253	FAR2P3	fatty acyl-CoA reductase 2 pseudogene 3	Other
8.417	ENSG00000152767	FARP1	FERM, ARH/RhoGEF and pleckstrin domain protein 1	Plasma Membrane
3.339	ENSG00000169710	FASN	fatty acid synthase	Cytoplasm
4.425	ENSG00000083857	FAT1	FAT atypical cadherin 1	Plasma Membrane
10.012	ENSG00000162458	FBLIM1	filamin binding LIM protein 1	Plasma Membrane
7.586	ENSG00000183580	FBXL7	F-box and leucine rich repeat protein 7	Cytoplasm
22.966	ENSG00000088340	FER1L4	fer-1 like family member 4 (pseudogene)	Other
9.836	ENSG00000102302	FGD1	FYVE, RhoGEF and PH domain containing 1	Cytoplasm
4.232	ENSG00000138685	FGF2	fibroblast growth factor 2	Extracellular Space
2.112	ENSG00000145216	FIP1L1	factor interacting with PAPOLA and CPSF1	Nucleus
11.232	ENSG00000141756	FKBP10	FKBP prolyl isomerase 10	Cytoplasm
4.945	ENSG00000254531	FUJ20021	uncharacterized LOC90024	Other
3.58	ENSG00000136068	FLNB	filamin B	Cytoplasm
1.597	ENSG00000131781	FMO5	flavin containing monooxygenase 5	Cytoplasm
3.827	ENSG00000167363	FN3K	fructosamine 3 kinase	Cytoplasm
4.565	ENSG00000137942	FNBP1L	formin binding protein 1 like	Cytoplasm
12.015	ENSG00000086205	FOLH1	folate hydrolase 1	Plasma Membrane
4.168	ENSG00000125740	FOSB	FosB proto-oncogene, AP-1 transcription factor subunit	Nucleus
14.267	ENSG00000129514	FOXA1	forkhead box A1	Nucleus
7.339	ENSG00000111816	FRK	fyn related Src family tyrosine kinase	Nucleus
3.595	ENSG00000114541	FRMD4B	FERM domain containing 4B	Cytoplasm
4.567	ENSG00000150667	FSIP1	fibrous sheath interacting protein 1	Other
2.566	ENSG00000163430	FSTL1	folliculin like 1	Extracellular Space
10.035	ENSG00000053108	FSTL4	folliculin like 4	Cytoplasm
4.009	ENSG00000174951	FUT1	fucosyltransferase 1 (H blood group)	Cytoplasm

9.065	ENSG00000089356	FXYP3	FXYP domain containing ion transport regulator 3	Plasma Membrane
24.826	ENSG00000166206	GABRB3	gamma-aminobutyric acid type A receptor beta3 subunit	Plasma Membrane
6.485	ENSG00000102287	GABRE	gamma-aminobutyric acid type A receptor epsilon subunit	Plasma Membrane
23.925	ENSG00000110328	GALNT18	polypeptide N-acetylgalactosaminyltransferase 18	Cytoplasm
11.669	ENSG00000141441	GAREM1	GRB2 associated regulator of MAPK1 subtype 1	Nucleus
2.545	ENSG00000185340	GAS2L1	growth arrest specific 2 like 1	Cytoplasm
9.997	ENSG00000130513	GDF15	growth differentiation factor 15	Extracellular Space
1.53	ENSG00000203879	GD1I	GDP dissociation inhibitor 1	Cytoplasm
2.806	ENSG00000198380	GFPT1	glutamine-fructose-6-phosphate transaminase 1	Cytoplasm
6.013	ENSG00000166840	GLYATL1	glycine-N-acyltransferase like 1	Other
4.109	ENSG00000112312	GMNN	geminin DNA replication inhibitor	Nucleus
7.724	ENSG00000156049	GNA14	G protein subunit alpha 14	Plasma Membrane
3.563	ENSG00000127955	GNAI1	G protein subunit alpha i1	Plasma Membrane
10.777	ENSG00000172380	GNG12	G protein subunit gamma 12	Plasma Membrane
1.789	ENSG00000167110	GOLGA2	golgin A2	Cytoplasm
2.193	ENSG00000173905	GOLIM4	golgi integral membrane protein 4	Cytoplasm
3.874	ENSG00000135052	GOLM1	golgi membrane protein 1	Cytoplasm
3.832	ENSG00000088053	GP6	glycoprotein VI platelet	Plasma Membrane
2.931	ENSG00000169704	GP9	glycoprotein IX platelet	Plasma Membrane
7.435	ENSG00000063660	GPC1	glypican 1	Plasma Membrane
6.612	ENSG00000179399	GPC5	glypican 5	Plasma Membrane
6.591	ENSG00000183098	GPC6	glypican 6	Plasma Membrane
9.163	ENSG00000166073	GPR176	G protein-coupled receptor 176	Plasma Membrane
7.001	ENSG00000170412	GPRC5C	G protein-coupled receptor class C group 5 member C	Plasma Membrane
4.661	ENSG00000166123	GPT2	glutamic-pyruvic transaminase 2	Cytoplasm
9.368	ENSG00000141738	GRB7	growth factor receptor bound protein 7	Plasma Membrane
7.593	ENSG00000166923	GREM1	gremlin 1, DAN family BMP antagonist	Extracellular Space
4.993	ENSG00000134317	GRHL1	grainyhead like transcription factor 1	Nucleus
12.231	ENSG00000083307	GRHL2	grainyhead like transcription factor 2	Nucleus
23.411	ENSG00000155974	GRIP1	glutamate receptor interacting protein 1	Plasma Membrane
3.356	ENSG00000254332	GSI_44D201	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
1.181	ENSG00000131149	GSE1	Gse1 coiled-coil protein	Extracellular Space
7.171	ENSG00000006704	GTF2IRD1	GTF2I repeat domain containing 1	Nucleus
2.854	ENSG00000155115	GTF3C6	general transcription factor IIIC subunit 6	Nucleus
2.517	ENSG00000172432	GTPBP2	GTP binding protein 2	Extracellular Space
3.509	ENSG00000164116	GUCY1A1	guanylate cyclase 1 soluble subunit alpha 1	Cytoplasm
3.811	ENSG00000061918	GUCY1B1	guanylate cyclase 1 soluble subunit beta 1	Cytoplasm
9.862	ENSG00000144366	GULP1	GULP PTB domain containing engulfment adaptor 1	Cytoplasm
5.818	ENSG00000114315	HES1	hes family bHLH transcription factor 1	Nucleus
4.31	ENSG00000167861	HID1	HID1 domain containing	Plasma Membrane
23.347	ENSG00000187475	HIST1H1T	histone cluster 1 H1 family member t	Nucleus
1.894	ENSG00000158373	HIST1H2BD	histone cluster 1 H2B family member d	Nucleus
1.772	ENSG00000064961	HMG20B	high mobility group 20B	Nucleus
13.136	ENSG00000134240	HMGCS2	3-hydroxy-3-methylglutaryl-CoA synthase 2	Cytoplasm
4.857	ENSG00000103942	HOMER2	homer scaffold protein 2	Plasma Membrane
3.299	ENSG00000134709	HOOK1	hook microtubule tethering protein 1	Cytoplasm
2.037	ENSG00000095066	HOOK2	hook microtubule tethering protein 2	Cytoplasm
9.871	ENSG00000253187	HOXA10-AS	HOXA10 antisense RNA	Other
11.429	ENSG00000106031	HOXA13	homeobox A13	Nucleus
11.875	ENSG00000159184	HOXB13	homeobox B13	Nucleus
24.689	ENSG00000105707	HPN	hepsin	Plasma Membrane
1.666	ENSG00000133835	HSD17B4	hydroxysteroid 17-beta dehydrogenase 4	Cytoplasm
1.851	ENSG00000080824	HSP90AA1	heat shock protein 90 alpha family class A member 1	Cytoplasm
2.415	ENSG00000096384	HSP90AB1	heat shock protein 90 alpha family class B member 1	Cytoplasm
7.045	ENSG00000205940	HSP90AB2P	heat shock protein 90 alpha family class B member 2, pseudogene	Cytoplasm
4.329	ENSG00000183199	HSP90AB3P	heat shock protein 90 alpha family class B member 3, pseudogene	Cytoplasm
1.206	ENSG00000166598	HSP90B1	heat shock protein 90 beta family member 1	Cytoplasm
8.907	ENSG00000165868	HSPA12A	heat shock protein family A (Hsp70) member 12A	Cytoplasm
1.584	ENSG00000113013	HSPA9	heat shock protein family A (Hsp70) member 9	Cytoplasm
4.374	ENSG00000106211	HSPB1	heat shock protein family B (small) member 1	Cytoplasm
2.511	ENSG00000144381	HSPD1	heat shock protein family D (Hsp60) member 1	Cytoplasm
3.098	ENSG00000003147	ICA1	islet cell autoantigen 1	Cytoplasm
2.462	ENSG00000006652	IFRD1	interferon related developmental regulator 1	Nucleus
2.27	ENSG00000114446	IFTS7	intraflagellar transport 57	Cytoplasm
2.134	ENSG00000140443	IGF1R	insulin like growth factor 1 receptor	Plasma Membrane
2.748	ENSG00000115457	IGFBP2	insulin like growth factor binding protein 2	Extracellular Space
9.246	ENSG00000136695	IL36RN	interleukin 36 receptor antagonist	Extracellular Space
3.012	ENSG00000203485	INF2	inverted formin, FH2 and WH2 domain containing	Cytoplasm
2.775	ENSG00000168395	INGS	inhibitor of growth family member 5	Nucleus
4.705	ENSG00000224078	IPW	imprinted in Prader-Willi syndrome	Other
3.031	ENSG00000169047	IRS1	insulin receptor substrate 1	Cytoplasm
9.012	ENSG00000177508	IRX3	iroquois homeobox 3	Nucleus
3.327	ENSG00000164171	ITGA2	integrin subunit alpha 2	Plasma Membrane
2.647	ENSG00000005961	ITGA2B	integrin subunit alpha 2b	Plasma Membrane
3.219	ENSG00000138448	ITGAV	integrin subunit alpha V	Plasma Membrane
2.958	ENSG00000259207	ITGB3	integrin subunit beta 3	Plasma Membrane
3.521	ENSG00000082781	ITGB5	integrin subunit beta 5	Plasma Membrane
3.283	ENSG00000206053	JPT2	Jupiter microtubule associated homolog 2	Cytoplasm
6.015	ENSG00000177606	JUN	Jun proto-oncogene, AP-1 transcription factor subunit	Nucleus
3.71	ENSG00000173801	JUP	junction plakoglobin	Plasma Membrane
5.254	ENSG00000160145	KALRN	kalirin RhoGEF kinase	Cytoplasm
4.544	ENSG00000189337	KAZN	kazrin, periactin interacting protein	Plasma Membrane
7.613	ENSG00000254024	KB_1562D121	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
3.931	ENSG00000171385	KCNQ3	potassium voltage-gated channel subfamily D member 3	Plasma Membrane
3.333	ENSG00000099337	KCNK6	potassium two pore domain channel subfamily K member 6	Plasma Membrane
6.797	ENSG00000080709	KCNN2	potassium calcium-activated channel subfamily N member 2	Plasma Membrane
2.122	ENSG00000269821	KCNQ1OT1	KCNQ1 opposite strand/antisense transcript 1	Other
1.464	ENSG00000110906	KCTD10	potassium channel tetramerization domain containing 10	Nucleus
8.359	ENSG00000164542	KIAA0895	KIAA0895	Other
3.888	ENSG00000109265	KIAA1211	KIAA1211	Other
12.474	ENSG00000120549	KIAA1217	KIAA1217	Cytoplasm

4.71	ENSG00000116299	KIAA1324	KIAA1324	Plasma Membrane
4.113	ENSG00000162522	KIAA1522	KIAA1522	Other
23.978	ENSG00000136883	KIF12	kinesin family member 12	Cytoplasm
2.647	ENSG00000129250	KIF1C	kinesin family member 1C	Cytoplasm
2.004	ENSG00000084731	KIF3C	kinesin family member 3C	Cytoplasm
5.81	ENSG00000168280	KIF5C	kinesin family member 5C	Cytoplasm
3.484	ENSG00000140859	KIF3C	kinesin family member C3	Cytoplasm
3.943	ENSG00000174996	KLK2	kinesin light chain 2	Cytoplasm
2.376	ENSG00000119138	KLF9	Kruppel like factor 9	Nucleus
13.469	ENSG00000167751	KLK2	kallikrein related peptidase 2	Extracellular Space
14.516	ENSG00000142515	KLK3	kallikrein related peptidase 3	Extracellular Space
11.857	ENSG00000167749	KLK4	kallikrein related peptidase 4	Extracellular Space
2.162	ENSG00000103550	KNOP1	lysine rich nucleolar protein 1	Other
7.618	ENSG00000111057	KRT18	keratin 18	Cytoplasm
8.401	ENSG00000171345	KRT19	keratin 19	Cytoplasm
9.532	ENSG00000170421	KRT8	keratin 8	Cytoplasm
9.381	ENSG00000167767	KRT80	keratin 80	Cytoplasm
4.974	ENSG00000250148	KRT8P31	keratin 8 pseudogene 31	Other
12.153	ENSG00000159166	LAD1	ladinin 1	Extracellular Space
4.434	ENSG00000130702	LAMA5	laminin subunit alpha 5	Extracellular Space
8.873	ENSG00000091136	LAMB1	laminin subunit beta 1	Extracellular Space
4.586	ENSG00000135862	LAMC1	laminin subunit gamma 1	Extracellular Space
2.592	ENSG00000147036	LANCL3	LanC like 3	Other
3.803	ENSG00000119862	LGALS1	galectin like	Other
2.301	ENSG00000100600	LGMM	legumain	Cytoplasm
10.427	ENSG00000113594	LIFR	LIF receptor alpha	Plasma Membrane
8.655	ENSG00000064042	LIMCH1	LIM and calponin homology domains 1	Cytoplasm
2.825	ENSG00000169756	LIMS1	LIM zinc finger domain containing 1	Plasma Membrane
6.755	ENSG00000227036	LINC00511	long intergenic non-protein coding RNA 511	Other
8.071	ENSG00000224259	LINC01133	long intergenic non-protein coding RNA 1133	Other
23.74	ENSG00000229981	LINC01435	long intergenic non-protein coding RNA 1435	Other
4.505	ENSG00000163898	LIPH	lipase H	Extracellular Space
3.825	ENSG00000160789	LMNA	lamin A/C	Nucleus
2.887	ENSG00000136153	LMO7	LIM domain 7	Cytoplasm
2.191	ENSG00000139517	LNX2	ligand of numb-protein X 2	Other
4.054	ENSG00000261253	LOC100287036	uncharacterized LOC100287036	Other
4.622	ENSG00000235513	LOC100506544	uncharacterized LOC100506544	Other
3.264	ENSG00000245552	LOC101929295	uncharacterized LOC101929295	Other
8.931	ENSG00000171517	LPAR3	lysophosphatidic acid receptor 3	Plasma Membrane
1.8	ENSG00000198589	LRBA	LPS responsive beige-like anchor protein	Cytoplasm
11.197	ENSG00000139263	LRIG3	leucine rich repeats and immunoglobulin like domains 3	Extracellular Space
6.853	ENSG00000120256	LRP11	LDL receptor related protein 11	Other
4.626	ENSG00000147650	LRP12	LDL receptor related protein 12	Plasma Membrane
6.053	ENSG00000162337	LRP5	LDL receptor related protein 5	Plasma Membrane
9.575	ENSG00000114248	LRRC31	leucine rich repeat containing 31	Other
23.954	ENSG00000171017	LRRC8E	leucine rich repeat containing 8 VRAC subunit E	Plasma Membrane
23.369	ENSG00000131951	LRRC9	leucine rich repeat containing 9	Other
4.474	ENSG00000184154	LRTOMT	leucine rich transmembrane and O-methyltransferase domain containing	Plasma Membrane
4.381	ENSG00000181016	LSMEM1	leucine rich single-pass membrane protein 1	Cytoplasm
3.814	ENSG00000105699	LSR	lipolysis stimulated lipoprotein receptor	Nucleus
3.623	ENSG00000049323	LTBP1	latent transforming growth factor beta binding protein 1	Extracellular Space
4.44	ENSG00000153714	LURAP1L	leucine rich adaptor protein 1 like	Other
9.55	ENSG00000163155	LYSMD1	LysM domain containing 1	Nucleus
3.118	ENSG00000102316	MAGE2	MAGE family member D2	Plasma Membrane
4.823	ENSG00000187391	MAGI2	membrane associated guanylate kinase, WW and PDZ domain containing 2	Plasma Membrane
3.383	ENSG00000081026	MAGI3	membrane associated guanylate kinase, WW and PDZ domain containing 3	Cytoplasm
12.516	ENSG00000147676	MAL2	mal, T cell differentiation protein 2 (gene/pseudogene)	Plasma Membrane
2.265	ENSG00000251562	MALAT1	metastasis associated lung adenocarcinoma transcript 1	Nucleus
5.357	ENSG00000189221	MAOA	monoamine oxidase A	Cytoplasm
2.867	ENSG00000166963	MAP1A	microtubule associated protein 1A	Cytoplasm
5.156	ENSG00000131711	MAP1B	microtubule associated protein 1B	Cytoplasm
5.376	ENSG00000078018	MAP2	microtubule associated protein 2	Plasma Membrane
1.567	ENSG00000197442	MAP3K5	mitogen-activated protein kinase kinase kinase 5	Cytoplasm
5.014	ENSG00000135525	MAP7	microtubule associated protein 7	Cytoplasm
9.493	ENSG00000141639	MAPK4	mitogen-activated protein kinase 4	Cytoplasm
2.268	ENSG00000069956	MAPK6	mitogen-activated protein kinase 6	Cytoplasm
5.662	ENSG0000008735	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	Cytoplasm
9.49	ENSG00000116141	MARK1	microtubule affinity regulating kinase 1	Cytoplasm
5.418	ENSG00000152939	MARVELD2	MARVEL domain containing 2	Plasma Membrane
4.365	ENSG00000069020	MAST4	microtubule associated serine/threonine kinase family member 4	Other
24.037	ENSG00000198125	MB	myoglobin	Cytoplasm
2.338	ENSG00000131844	MCC2	methylcrotonoyl-CoA carboxylase 2	Cytoplasm
3.013	ENSG00000126217	MCF2L	MCF.2 cell line derived transforming sequence like	Cytoplasm
2.447	ENSG00000050393	MCUR1	mitochondrial calcium uniporter regulator 1	Cytoplasm
7.107	ENSG00000110492	MDK	midkine	Extracellular Space
3.103	ENSG00000111554	MDM1	Mdm1 nuclear protein	Cytoplasm
1.614	ENSG00000124733	MEA1	male-enhanced antigen 1	Cytoplasm
3.526	ENSG00000143995	MEIS1	Meis homeobox 1	Nucleus
2.421	ENSG00000198948	MFAP3L	microfibril associated protein 3 like	Other
2.184	ENSG00000243156	MICAL3	microtubule associated monoxygenase, calponin and LIM domain containing 3	Cytoplasm
3.896	ENSG00000164877	MICALL2	MICAL like 2	Cytoplasm
4.683	ENSG00000027001	MIPEP	mitochondrial intermediate peptidase	Cytoplasm
3.076	ENSG00000227195	MIR663AHG	MIR663A host gene	Other
11.542	ENSG00000115648	MLPH	melanophilin	Cytoplasm
7.584	ENSG00000009950	MLXIPL	MLX interacting protein like	Nucleus
3.464	ENSG00000138722	MMRN1	multimerin 1	Extracellular Space
3.121	ENSG00000142961	MOB3C	MOB kinase activator 3C	Other
3.512	ENSG00000133131	MORC4	MORC family CW-type zinc finger 4	Nucleus
6.422	ENSG00000107186	MPDZ	multiple PDZ domain crumbs cell polarity complex component	Plasma Membrane
2.994	ENSG00000117400	MPL	MPL proto-oncogene, thrombopoietin receptor	Plasma Membrane
2.105	ENSG00000072415	MPP5	membrane palmitoylated protein 5	Plasma Membrane

1.943	ENSG00000066697	MSANTD3	Myb/SANT DNA binding domain containing 3	Other
8.093	ENSG00000135097	MSI1	musashi RNA binding protein 1	Cytoplasm
8.484	ENSG00000210140	MT-TC	tRNA	Cytoplasm
8.658	ENSG00000210164	MT-TG	tRNA	Cytoplasm
4.334	ENSG00000210176	MT-TH	tRNA	Cytoplasm
5.07	ENSG00000209082	MT-TL1	tRNA	Cytoplasm
7.908	ENSG00000210174	MT-TR	tRNA	Cytoplasm
4.784	ENSG00000210184	MT-TS2	tRNA	Cytoplasm
5.036	ENSG00000210077	MT-TV	tRNA	Cytoplasm
5.184	ENSG00000168502	MTCL1	microtubule crosslinking factor 1	Cytoplasm
3.217	ENSG00000132613	MTSS2	MTSS I-BAR domain containing 2	Plasma Membrane
5.121	ENSG00000129422	MTUS1	microtubule associated scaffold protein 1	Extracellular Space
4.745	ENSG00000185499	MUC1	mucin 1, cell surface associated	Plasma Membrane
4.102	ENSG00000120279	MYCT1	MYC target 1	Nucleus
4.381	ENSG00000133026	MYH10	myosin heavy chain 10	Cytoplasm
7.653	ENSG00000105357	MYH14	myosin heavy chain 14	Extracellular Space
1.478	ENSG00000092841	MYL6	myosin light chain 6	Cytoplasm
3.262	ENSG00000065534	MYLK	myosin light chain kinase	Cytoplasm
3.806	ENSG00000145555	MYO10	myosin X	Cytoplasm
10.732	ENSG00000128641	MYO1B	myosin IB	Cytoplasm
2.509	ENSG00000197879	MYO1C	myosin IC	Cytoplasm
2.956	ENSG00000176658	MYO1D	myosin ID	Cytoplasm
13.334	ENSG00000167306	MYO5B	myosin VB	Cytoplasm
4.84	ENSG00000128833	MYO5C	myosin VC	Cytoplasm
5.009	ENSG00000196586	MYO6	myosin VI	Cytoplasm
5.636	ENSG00000177694	NAALADL2	N-acetylated alpha-linked acidic dipeptidase like 2	Nucleus
3.564	ENSG00000172915	NBEA	neurobeachin	Cytoplasm
10.653	ENSG00000258590	NBEAP1	neurobeachin pseudogene 1	Other
2.015	ENSG00000071051	NCK2	NCK adaptor protein 2	Cytoplasm
3.795	ENSG00000061676	NCKAP1	NCK associated protein 1	Plasma Membrane
2.143	ENSG00000104419	NDRG1	N-myc downstream regulated 1	Nucleus
2.048	ENSG00000245532	NEAT1	nuclear paraspeckle assembly transcript 1	Other
6.608	ENSG00000078114	NEBL	nebulin	Plasma Membrane
3.256	ENSG00000130202	NECTIN2	nectin cell adhesion molecule 2	Plasma Membrane
23.954	ENSG00000143217	NECTIN4	nectin cell adhesion molecule 4	Plasma Membrane
3.339	ENSG00000049759	NEDD4L	neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase	Cytoplasm
4.737	ENSG00000173848	NET1	neuroepithelial cell transforming 1	Nucleus
4.74	ENSG00000214357	NEURL1B	neuronal E3 ubiquitin protein ligase 1B	Other
5.119	ENSG00000162614	NEXN	nexilin F-actin binding protein	Plasma Membrane
3.884	ENSG00000147862	NFIB	nuclear factor I B	Nucleus
1.683	ENSG00000100906	NFKBIA	NFKB inhibitor alpha	Cytoplasm
1.929	ENSG00000196865	NHLRC2	NHL repeat containing 2	Cytoplasm
2.163	ENSG00000170113	NIPA1	NIPA magnesium transporter 1	Plasma Membrane
13.459	ENSG00000167034	NKX3-1	NK3 homeobox 1	Nucleus
25.244	ENSG00000169760	NLGN1	neuroligin 1	Plasma Membrane
23.745	ENSG00000163072	NOSTRIN	nitric oxide synthase trafficking	Cytoplasm
6.887	ENSG00000170485	NPAS2	neuronal PAS domain protein 2	Nucleus
9.835	ENSG00000168743	NPNT	nephronectin	Plasma Membrane
12.017	ENSG00000185551	NRP2	nuclear receptor subfamily 2 group F member 2	Nucleus
4.962	ENSG00000099250	NRP1	neuropilin 1	Plasma Membrane
1.379	ENSG00000126653	NSRP1	nuclear speckle splicing regulatory protein 1	Nucleus
2.338	ENSG00000069275	NUCKS1	nuclear casein kinase and cyclin dependent kinase substrate 1	Nucleus
7.897	ENSG00000176046	NUPR1	nuclear protein 1, transcriptional regulator	Nucleus
9.154	ENSG00000188039	NWD1	NACHT and WD repeat domain containing 1	Cytoplasm
5.793	ENSG00000167693	NXN	nucleoredoxin	Nucleus
7.136	ENSG00000197822	OCLN	occludin	Plasma Membrane
11.573	ENSG00000119547	ONECUT2	one cut homeobox 2	Nucleus
3.102	ENSG00000079482	OPHN1	oligophrenin 1	Cytoplasm
24.102	ENSG00000180785	ORS1E1	olfactory receptor family 51 subfamily E member 1	Plasma Membrane
2.813	ENSG00000144645	OSBPL10	oxysterol binding protein like 10	Cytoplasm
3.291	ENSG00000169860	P2RY1	purinergic receptor P2Y1	Plasma Membrane
4.347	ENSG00000148498	PARD3	par-3 family cell polarity regulator	Plasma Membrane
5.57	ENSG00000116117	PARD3B	par-3 family cell polarity regulator beta	Plasma Membrane
7.51	ENSG00000197702	PARVA	parvin alpha	Cytoplasm
2.82	ENSG00000188677	PARVB	parvin beta	Cytoplasm
5.752	ENSG00000177425	PABR1	pro-apoptotic WT1 regulator	Nucleus
1.828	ENSG00000102390	PBDC1	polysaccharide biosynthesis domain containing 1	Other
23.528	ENSG00000225937	PCA3	prostate cancer associated 3	Other
7.154	ENSG00000253438	PCAT1	prostate cancer associated transcript 1	Other
9.414	ENSG00000265369	PCAT18	prostate cancer associated transcript 18	Other
2.551	ENSG00000156453	PCDH1	protocadherin 1	Plasma Membrane
3.674	ENSG00000184226	PCDH9	protocadherin 9	Plasma Membrane
8.61	ENSG00000255622	PCDHB17P	protocadherin beta 17 pseudogene	Other
9.944	ENSG00000186472	PCLO	piccolo presynaptic cytomatrix protein	Cytoplasm
2.387	ENSG00000106244	PDAP1	PDGFA associated protein 1	Cytoplasm
8.214	ENSG00000128655	PDE11A	phosphodiesterase 11A	Cytoplasm
4.647	ENSG00000172572	PDE3A	phosphodiesterase 3A	Cytoplasm
4.219	ENSG00000197461	PDGFA	platelet derived growth factor subunit A	Extracellular Space
5.263	ENSG00000100311	PDGFB	platelet derived growth factor subunit B	Extracellular Space
3.51	ENSG00000065485	PDIAs	protein disulfide isomerase family A member 5	Cytoplasm
1.658	ENSG00000152256	PDK1	pyruvate dehydrogenase kinase 1	Cytoplasm
10.627	ENSG00000154553	PDLM3	PDZ and LIM domain 3	Cytoplasm
3.3	ENSG00000163110	PDLM5	PDZ and LIM domain 5	Cytoplasm
1.684	ENSG00000179889	PDXDC1	pyridoxal dependent decarboxylase domain containing 1	Cytoplasm
3.854	ENSG00000133401	PDZD2	PDZ domain containing 2	Plasma Membrane
24.593	ENSG00000121440	PDZRN3	PDZ domain containing ring finger 3	Extracellular Space
3.89	ENSG00000187800	PEAR1	platelet endothelial aggregation receptor 1	Plasma Membrane
3.091	ENSG00000152684	PELO	pelota mRNA surveillance and ribosome rescue factor	Nucleus
2.928	ENSG00000163737	PF4	platelet factor 4	Extracellular Space
2.744	ENSG00000013375	PGM3	phosphoglucomutase 3	Cytoplasm
7.212	ENSG00000181649	PHLDA2	pleckstrin homology like domain family A member 2	Cytoplasm

5.366	ENSG00000174307	PHLDA3	pleckstrin homology like domain family A member 3	Plasma Membrane
2.189	ENSG00000006576	PHTF2	putative homeodomain transcription factor 2	Cytoplasm
2.667	ENSG00000100151	PICK1	protein interacting with PRKCA 1	Cytoplasm
7.742	ENSG00000162896	PIGR	polymeric immunoglobulin receptor	Plasma Membrane
3.701	ENSG00000205038	PKHD1L1	PKHD1 like 1	Extracellular Space
10.479	ENSG00000184363	PKP3	plakophilin 3	Plasma Membrane
2.179	ENSG00000123739	PLA2G12A	phospholipase A2 group X1IA	Other
3.165	ENSG00000116711	PLA2G4A	phospholipase A2 group IVA	Cytoplasm
3.035	ENSG00000105499	PLA2G4C	phospholipase A2 group IVC	Plasma Membrane
4.06	ENSG00000181690	PLAG1	PLAG1 zinc finger	Nucleus
5.53	ENSG00000101333	PLCB4	phospholipase C beta 4	Cytoplasm
9.812	ENSG00000138193	PLCE1	phospholipase C epsilon 1	Cytoplasm
4.346	ENSG00000114805	PLCH1	phospholipase C eta 1	Cytoplasm
7.075	ENSG00000143850	PLEKHA6	pleckstrin homology domain containing A6	Other
5.111	ENSG00000166689	PLEKHA7	pleckstrin homology domain containing A7	Cytoplasm
12.593	ENSG00000054690	PLEKHH1	pleckstrin homology, MyTH4 and FERM domain containing H1	Cytoplasm
6.934	ENSG00000152527	PLEKHH2	pleckstrin homology, MyTH4 and FERM domain containing H2	Cytoplasm
6.803	ENSG00000068137	PLEKHH3	pleckstrin homology, MyTH4 and FERM domain containing H3	Extracellular Space
4.987	ENSG00000187583	PLEKHN1	pleckstrin homology domain containing N1	Cytoplasm
25.878	ENSG00000148735	PLEKHS1	pleckstrin homology domain containing S1	Other
4.553	ENSG00000145632	PLK2	polo like kinase 2	Nucleus
4.576	ENSG00000152952	PLOD2	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	Cytoplasm
3.191	ENSG00000130827	PLXNA3	plexin A3	Plasma Membrane
5.044	ENSG00000164050	PLXNB1	plexin B1	Plasma Membrane
4.107	ENSG00000198753	PLXNB3	plexin B3	Plasma Membrane
2.463	ENSG00000146281	PM20D2	peptidase M20 domain containing 2	Nucleus
6.295	ENSG00000124225	PMEP1	prostate transmembrane protein, androgen induced 1	Plasma Membrane
2.033	ENSG00000176903	PNMA1	PNMA family member 1	Nucleus
6.665	ENSG00000196604	POTEE/POTEF	POTE ankyrin domain family member E	Extracellular Space
8.886	ENSG00000198062	POTEG (includes others)	POTE ankyrin domain family member G	Other
13.097	ENSG00000196834	POTEI	POTE ankyrin domain family member I	Extracellular Space
8.644	ENSG00000222038	POTEJ	POTE ankyrin domain family member J	Extracellular Space
7.787	ENSG00000204531	POU5F1	POU class 5 homeobox 1	Nucleus
25.186	ENSG00000139220	PPF1A2	PTPRF interacting protein alpha 2	Plasma Membrane
4.525	ENSG00000110841	PPF1BP1	PPFIA binding protein 1	Plasma Membrane
1.508	ENSG00000138398	PPIG	peptidylprolyl isomerase G	Nucleus
10.358	ENSG00000118898	PPL	periplakin	Cytoplasm
3.597	ENSG00000087074	PPP1R15A	protein phosphatase 1 regulatory subunit 15A	Cytoplasm
6.868	ENSG00000131771	PPP1R1B	protein phosphatase 1 regulatory inhibitor subunit 1B	Cytoplasm
2.57	ENSG00000138814	PPP3CA	protein phosphatase 3 catalytic subunit alpha	Cytoplasm
9.277	ENSG00000175785	PRIMA1	proline rich membrane anchor 1	Plasma Membrane
9.563	ENSG00000162409	PRKAA2	protein kinase AMP-activated catalytic subunit alpha 2	Cytoplasm
7.475	ENSG00000184304	PRKD1	protein kinase D1	Cytoplasm
4.182	ENSG00000148426	PROSER2	proline and serine rich 2	Other
8.049	ENSG00000005001	PRSS22	serine protease 22	Extracellular Space
24.126	ENSG00000052344	PRSS8	serine protease 8	Extracellular Space
5.499	ENSG00000106772	PRUNE2	prune homolog 2 with BCH domain	Cytoplasm
8.712	ENSG00000167653	PSCA	prostate stem cell antigen	Plasma Membrane
4.533	ENSG00000156011	PSD3	pleckstrin and Sec7 domain containing 3	Cytoplasm
3.105	ENSG00000160013	PTGIR	prostaglandin I2 receptor	Plasma Membrane
4.994	ENSG00000106853	PTGR1	prostaglandin reductase 1	Cytoplasm
3.5	ENSG00000169398	PTK2	protein tyrosine kinase 2	Cytoplasm
4.2	ENSG00000112655	PTK7	protein tyrosine kinase 7 (inactive)	Plasma Membrane
3.29	ENSG00000159335	PTMS	parathyromosin	Nucleus
11.661	ENSG00000152104	PTPN14	protein tyrosine phosphatase, non-receptor type 14	Cytoplasm
7.794	ENSG00000070778	PTPN21	protein tyrosine phosphatase, non-receptor type 21	Cytoplasm
7	ENSG00000070159	PTPN3	protein tyrosine phosphatase, non-receptor type 3	Cytoplasm
4.006	ENSG00000142949	PTPRF	protein tyrosine phosphatase, receptor type F	Plasma Membrane
6.464	ENSG00000152894	PTPRK	protein tyrosine phosphatase, receptor type K	Plasma Membrane
3.992	ENSG00000155093	PTPRN2	protein tyrosine phosphatase, receptor type N2	Plasma Membrane
9.093	ENSG00000060656	PTPRU	protein tyrosine phosphatase, receptor type U	Plasma Membrane
1.48	ENSG00000183255	PTTG1IP	PTTG1 interacting protein	Nucleus
4.074	ENSG00000168994	PXDC1	PX domain containing 1	Other
2.999	ENSG00000090565	RAB11FIP3	RAB11 family interacting protein 3	Cytoplasm
1.646	ENSG00000143545	RAB13	RAB13, member RAS oncogene family	Plasma Membrane
8.485	ENSG00000124839	RAB17	RAB17, member RAS oncogene family	Cytoplasm
9.942	ENSG00000132698	RAB25	RAB25, member RAS oncogene family	Cytoplasm
2.898	ENSG00000041353	RAB27B	RAB27B, member RAS oncogene family	Cytoplasm
2.685	ENSG00000137502	RAB30	RAB30, member RAS oncogene family	Cytoplasm
12.151	ENSG00000169213	RAB3B	RAB3B, member RAS oncogene family	Cytoplasm
1.709	ENSG00000136238	RAC1	Rac family small GTPase 1	Plasma Membrane
1.737	ENSG00000100401	RANGAP1	Ran GTPase activating protein 1	Nucleus
6.598	ENSG00000108551	RASD1	ras related dexamethasone induced 1	Cytoplasm
13.749	ENSG00000165105	RASEF	RAS and EF-hand domain containing	Cytoplasm
7.556	ENSG00000123094	RASSF8	Ras association domain family member 8	Extracellular Space
5.013	ENSG00000100320	RBFOX2	RNA binding fox-1 homolog 2	Nucleus
3.012	ENSG00000072042	RDH11	retinol dehydrogenase 11	Cytoplasm
2.062	ENSG00000137710	RDX	radixin	Cytoplasm
9.518	ENSG00000076344	RGS11	regulator of G protein signaling 11	Plasma Membrane
3.325	ENSG00000182732	RGS6	regulator of G protein signaling 6	Cytoplasm
4.449	ENSG00000007384	RHBDL1	rhomoid 5 homolog 1	Cytoplasm
23.64	ENSG00000158315	RHBDL2	rhomoid like 2	Plasma Membrane
1.853	ENSG00000106615	RHEB	Ras homolog, mTORC1 binding	Cytoplasm
3.371	ENSG00000143878	RHOB	ras homolog family member B	Cytoplasm
3.966	ENSG00000072422	RHOBTB1	Rho related BTB domain containing 1	Other
2.394	ENSG00000164292	RHOBTB3	Rho related BTB domain containing 3	Cytoplasm
3.164	ENSG00000116574	RHOV	ras homolog family member U	Cytoplasm
9.034	ENSG00000104140	RHOV	ras homolog family member V	Plasma Membrane
6.721	ENSG00000131941	RHPN2	rhopilin Rho GTPase binding protein 2	Cytoplasm
8.937	ENSG00000183421	RIPK4	receptor interacting serine/threonine kinase 4	Nucleus
3.781	ENSG00000042062	RIPOR3	RIPOR family member 3	Other

11.543	ENSG00000255794	RMST	rhabdomyosarcoma 2 associated transcript	Other
2.803	ENSG00000200867	RN75KP36	RNA, 75K small nuclear pseudogene 36	Other
2.35	ENSG00000240869	RN75L128P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
2.822	ENSG00000244230	RN75L151P	RNA, 75L, cytoplasmic 151, pseudogene	Other
5.746	ENSG00000264573	RN75L15P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
2.228	ENSG00000244642	RN75L396P	RNA, 75L, cytoplasmic 396, pseudogene	Other
4.38	ENSG00000241175	RN75L494P	RNA, 75L, cytoplasmic 494, pseudogene	Other
3.245	ENSG00000263740	RN75L4P	RNA, 75L, cytoplasmic 4, pseudogene	Other
3.307	ENSG00000265735	RN75L5P	RNA, 75L, cytoplasmic 5, pseudogene	Other
4.562	ENSG00000264169	RN75L665P	RNA, 75L, cytoplasmic 665, pseudogene	Other
2.736	ENSG00000239899	RN75L674P	RNA, 75L, cytoplasmic 674, pseudogene	Other
3.344	ENSG00000239437	RN75L752P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
3.196	ENSG00000264275	RN75L753P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
3.951	ENSG00000241529	RN75L767P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
5.345	ENSG00000201321	RNA559	RNA, 5S ribosomal 9	Other
2.681	ENSG00000199994	RNA55P145	RNA, 5S ribosomal pseudogene 145	Other
3.316	ENSG00000201822	RNA55P149	RNA, 5S ribosomal pseudogene 149	Other
3.558	ENSG00000199839	RNA55P150	RNA, 5S ribosomal pseudogene 150	Other
5.185	ENSG00000200687	RNA55P335	RNA, 5S ribosomal pseudogene 335	Other
5.672	ENSG00000200558	RNA55P429	RNA, 5S ribosomal pseudogene 429	Other
9.548	ENSG00000115963	RND3	Rho family GTPase 3	Cytoplasm
5.578	ENSG00000108375	RNF43	ring finger protein 43	Plasma Membrane
1.823	ENSG00000112130	RNF8	ring finger protein 8	Nucleus
3.057	ENSG00000206652	RNU1-1	RNA, U1 small nuclear 1	Other
6.318	ENSG00000238554	RNU1-88P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
7.089	ENSG00000270103	RNU11	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
6.689	ENSG00000270022	RNU12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
7.762	ENSG00000222985	RNU2-14P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
5.115	ENSG00000222357	RNU2-20P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
5.597	ENSG00000222293	RNU2-36P	RNA, U2 small nuclear 36, pseudogene	Other
8.234	ENSG00000222076	RNU2-3P	RNA, U2 small nuclear 3, pseudogene	Other
7.186	ENSG00000222426	RNU2-50P	RNA, U2 small nuclear 50, pseudogene	Other
5.324	ENSG00000222414	RNU2-59P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
6.427	ENSG00000223001	RNU2-61P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
5.358	ENSG00000200795	RNU4-1	RNA, U4 small nuclear 1	Nucleus
5.364	ENSG00000202538	RNU4-2	RNA, U4 small nuclear 2	Other
5.803	ENSG00000264229	RNU4ATAC	RNA, U4atc small nuclear (U12-dependent splicing)	Other
6.382	ENSG00000199568	RNU5A-1	RNA, U5A small nuclear 1	Other
6.44	ENSG00000200156	RNU5B-1	RNA, U5B small nuclear 1	Other
3.514	ENSG00000199347	RNU5E-1	RNA, U5E small nuclear 1	Other
8.559	ENSG00000206899	RNU6-36P	RNA, U6 small nuclear 36, pseudogene	Other
3.231	ENSG00000199562	RNU6-37P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
5.452	ENSG00000202300	RNU6-487P	RNA, U6 small nuclear 487, pseudogene	Other
5.65	ENSG00000272055	RNU6-6P	RNA, U6 small nuclear 6, pseudogene	Nucleus
7.566	ENSG00000202240	RNU6-737P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
6.042	ENSG00000221676	RNU6ATAC	RNA, U6atc small nuclear (U12-dependent splicing)	Other
7.548	ENSG00000201558	RNVU1-6	RNA, variant U1 small nuclear 6	Other
3.737	ENSG00000201098	RNY1	RNA, Ro60-associated Y1	Nucleus
4.35	ENSG00000202354	RNY3	RNA, Ro60-associated Y3	Other
10.012	ENSG00000252316	RNY4	RNA, Ro60-associated Y4	Other
2.798	ENSG00000134318	ROCK2	Rho associated coiled-coil containing protein kinase 2	Cytoplasm
7.482	ENSG00000143365	RORC	RAR related orphan receptor C	Nucleus
5.99	ENSG00000261069	RP11-701H24.4	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
24.192	ENSG00000267501	RP11_108P202	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
7.304	ENSG00000272459	RP11_1277A33	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
2.528	ENSG00000254877	RP11_142C44	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
6.181	ENSG00000261441	RP11_217B11	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
9.848	ENSG00000259390	RP11_27M91	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
8.434	ENSG00000258414	RP11_35G091	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
9.232	ENSG00000219329	RP11_397G52	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
23.621	ENSG00000258860	RP11_561B113	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
9.356	ENSG00000232536	RP11_74C14	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
23.794	ENSG00000256443	RP11_794G241	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
8.685	ENSG00000257829	RP11_845M186	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
24.322	ENSG00000260604	RP1_140K85	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
2.277	ENSG00000225528	RP3-370M22.8	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
2.339	ENSG00000197498	RPF2	ribosome production factor 2 homolog	Nucleus
23.459	ENSG00000243592	RPL17P22	ribosomal protein L17 pseudogene 22	Other
2.588	ENSG0000037241	RPL26L1	ribosomal protein L26 like 1	Cytoplasm
12.16	ENSG00000242899	RPL7P16	ribosomal protein L7 pseudogene 16	Other
3.873	ENSG00000259001	RPPH1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
23.938	ENSG00000215184	RPS12P16	ribosomal protein S12 pseudogene 16	Other
6.667	ENSG00000072133	RPS6KA6	ribosomal protein S6 kinase A6	Cytoplasm
1.571	ENSG00000125844	RRBP1	ribosome binding protein 1	Cytoplasm
2.771	ENSG00000176783	RUFY1	RUN and FYVE domain containing 1	Cytoplasm
3.683	ENSG00000165821	SALL2	spalt like transcription factor 2	Nucleus
3.804	ENSG00000151748	SAV1	salvador family WW domain containing protein 1	Cytoplasm
2.948	ENSG00000109929	SC5D	sterol-C5-desaturase	Cytoplasm
2.451	ENSG00000239002	SCARNA10	small Cajal body-specific RNA 10	Nucleus
5.54	ENSG00000251898	SCARNA11	small Cajal body-specific RNA 11	Other
1.922	ENSG00000252481	SCARNA13	small Cajal body-specific RNA 13	Nucleus
3.531	ENSG00000252690	SCARNA15	small Cajal body-specific RNA 15	Other
4.164	ENSG00000252577	SCARNA20	small Cajal body-specific RNA 20	Other
8.749	ENSG00000251869	SCARNA23	small Cajal body-specific RNA 23	Other
3.476	ENSG00000252010	SCARNA5	small Cajal body-specific RNA 5	Nucleus
5.18	ENSG00000251733	SCARNA8	small Cajal body-specific RNA 8	Other
8.445	ENSG00000006747	SCIN	scinderin	Cytoplasm
5.165	ENSG00000111319	SCNN1A	sodium channel epithelial 1 alpha subunit	Plasma Membrane
9.578	ENSG00000115884	SDC1	syndecan 1	Plasma Membrane
4.997	ENSG00000169439	SDC2	syndecan 2	Plasma Membrane
5.412	ENSG00000124145	SDC4	syndecan 4	Plasma Membrane

4.505	ENSG00000234684	SDCBP2-AS1	SDCBP2 antisense RNA 1	Other
3.193	ENSG00000174175	SELP	selectin P	Plasma Membrane
8.694	ENSG00000001617	SEMA3F	semaphorin 3F	Extracellular Space
2.64	ENSG00000186522		septin 10	Cytoplasm
1.924	ENSG00000138758		septin 11	Nucleus
3.59	ENSG00000184702		septin 5	Cytoplasm
7.797	ENSG00000183569	SERHL2	serine hydrolase like 2	Cytoplasm
6.859	ENSG00000106366	SERPINE1	serpin family E member 1	Extracellular Space
23.791	ENSG00000174938	SEZ6L2	seizure related 6 homolog like 2	Cytoplasm
7.547	ENSG00000175793	SFN	stratifin	Cytoplasm
2.066	ENSG00000198964	SGMS1	sphingomyelin synthase 1	Cytoplasm
4.394	ENSG00000130147	SH3BP4	SH3 domain binding protein 4	Cytoplasm
3.199	ENSG00000107957	SH3PXD2A	SH3 and PX domains 2A	Cytoplasm
4.542	ENSG00000169247	SH3TC2	SH3 domain and tetratricopeptide repeats 2	Cytoplasm
9.232	ENSG00000162105	SHANK2	SH3 and multiple ankyrin repeat domains 2	Plasma Membrane
2.968	ENSG00000164403	SHROOM1	shroom family member 1	Other
8.23	ENSG00000146950	SHROOM2	shroom family member 2	Plasma Membrane
10.391	ENSG00000138771	SHROOM3	shroom family member 3	Cytoplasm
8.574	ENSG00000090402	SI	sucrase-isomaltase	Cytoplasm
12.083	ENSG00000159263	SIM2	SIM bHLH transcription factor 2	Nucleus
3.349	ENSG00000116991	SIPA1L2	signal induced proliferation associated 1 like 2	Other
7.27	ENSG00000100625	SIX4	SIX homeobox 4	Nucleus
2.392	ENSG00000064651	SLC12A2	solute carrier family 12 member 2	Plasma Membrane
8.016	ENSG00000221955	SLC12A8	solute carrier family 12 member 8	Other
2.417	ENSG00000137266	SLC22A23	solute carrier family 22 member 23	Other
9.072	ENSG00000197496	SLC2A10	solute carrier family 2 member 10	Plasma Membrane
6.978	ENSG00000146411	SLC2A12	solute carrier family 2 member 12	Plasma Membrane
1.906	ENSG00000145740	SLC30A5	solute carrier family 30 member 5	Plasma Membrane
4.44	ENSG00000110660	SLC35F2	solute carrier family 35 member F2	Other
2.795	ENSG00000160190	SLC37A1	solute carrier family 37 member 1	Plasma Membrane
4.19	ENSG00000141424	SLC39A6	solute carrier family 39 member 6	Plasma Membrane
2.086	ENSG00000138821	SLC39A8	solute carrier family 39 member 8	Extracellular Space
8.738	ENSG00000204385	SLC44A4	solute carrier family 44 member 4	Plasma Membrane
5.972	ENSG00000158715	SLC45A3	solute carrier family 45 member 3	Cytoplasm
5.1	ENSG00000114923	SLC4A3	solute carrier family 4 member 3	Plasma Membrane
4.687	ENSG00000151012	SLC7A11	solute carrier family 7 member 11	Plasma Membrane
10.248	ENSG00000003989	SLC7A2	solute carrier family 7 member 2	Plasma Membrane
3.528	ENSG00000100678	SLC8A3	solute carrier family 8 member A3	Plasma Membrane
2.882	ENSG00000181804	SLC9A9	solute carrier family 9 member A9	Cytoplasm
6.407	ENSG00000102038	SMARCA1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1	Nucleus
1.968	ENSG00000102172	SMS	spermine synthase	Cytoplasm
3.905	ENSG00000183963	SMTN	smoothelin	Extracellular Space
2.216	ENSG00000092531	SNAP23	synaptosome associated protein 23	Plasma Membrane
2.572	ENSG00000255717	SNHG1	small nucleolar RNA host gene 1	Other
3.004	ENSG00000197989	SNHG12	small nucleolar RNA host gene 12	Other
5.9	ENSG00000266402	SNHG25	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
10.314	ENSG00000221716	SNORA11	small nucleolar RNA, H/ACA box 11	Other
5.903	ENSG00000207181	SNORA14B	small nucleolar RNA, H/ACA box 14B	Other
6.485	ENSG00000207392	SNORA20	small nucleolar RNA, H/ACA box 20	Other
4.323	ENSG00000206634	SNORA22	small nucleolar RNA, H/ACA box 22	Other
6.936	ENSG00000207344	SNORA22C	small nucleolar RNA, H/ACA box 22C	Other
8.066	ENSG00000201998	SNORA23	small nucleolar RNA, H/ACA box 23	Other
3.878	ENSG00000253051	SNORA31B	small nucleolar RNA, H/ACA box 31B	Other
5.46	ENSG00000222370	SNORA36B	small nucleolar RNA, H/ACA box 36B	Other
6.721	ENSG00000212607	SNORA3B	small nucleolar RNA, H/ACA box 3B	Other
7.958	ENSG00000208308	SNORA40B	small nucleolar RNA, H/ACA box 40B	Other
2.749	ENSG00000238961	SNORA47	small nucleolar RNA, H/ACA box 47	Other
2.984	ENSG00000208892	SNORA49	small nucleolar RNA, H/ACA box 49	Other
6.97	ENSG00000201457	SNORA55	small nucleolar RNA, H/ACA box 55	Other
6.083	ENSG00000201302	SNORA65	small nucleolar RNA, H/ACA box 65	Other
6.948	ENSG00000207523	SNORA66	small nucleolar RNA, H/ACA box 66	Other
4.599	ENSG00000225091	SNORA71A	small nucleolar RNA, H/ACA box 71A	Other
4.08	ENSG00000235408	SNORA71B	small nucleolar RNA, H/ACA box 71B	Other
5.613	ENSG00000201512	SNORA71C	small nucleolar RNA, H/ACA box 71C	Other
6.276	ENSG00000200354	SNORA71D	small nucleolar RNA, H/ACA box 71D	Other
6.024	ENSG00000207067	SNORA72	small nucleolar RNA, H/ACA box 72	Other
10.056	ENSG00000200959	SNORA74A	small nucleolar RNA, H/ACA box 74A	Nucleus
7.927	ENSG00000212402	SNORA74B	small nucleolar RNA, H/ACA box 74B	Other
5.46	ENSG00000252213	SNORA74D	small nucleolar RNA, H/ACA box 74D	Other
6.251	ENSG00000206885	SNORA75	small nucleolar RNA, H/ACA box 75	Other
7.398	ENSG00000221303	SNORA79	small nucleolar RNA, H/ACA box 79	Other
8.205	ENSG00000207475	SNORA80E	small nucleolar RNA, H/ACA box 80E	Other
6.202	ENSG00000207063	SNORD116-1	small nucleolar RNA, C/D box 116-1	Other
9.799	ENSG00000206621	SNORD116-14	small nucleolar RNA, C/D box 116-14	Other
7.593	ENSG00000207174	SNORD116-15	small nucleolar RNA, C/D box 116-15	Other
8.279	ENSG00000207263	SNORD116-16	small nucleolar RNA, C/D box 116-16	Other
9.658	ENSG00000207001	SNORD116-2	small nucleolar RNA, C/D box 116-2	Other
7.066	ENSG00000207375	SNORD116-23	small nucleolar RNA, C/D box 116-23	Other
9.356	ENSG00000207279	SNORD116-24	small nucleolar RNA, C/D box 116-24	Other
11.098	ENSG00000252326	SNORD116-25	small nucleolar RNA, C/D box 116-25	Other
10.683	ENSG00000251815	SNORD116-26	small nucleolar RNA, C/D box 116-26	Other
5.579	ENSG00000251896	SNORD116-27	small nucleolar RNA, C/D box 116-27	Other
10.332	ENSG00000207245	SNORD116-29	small nucleolar RNA, C/D box 116-29	Other
6.721	ENSG00000207442	SNORD116-6	small nucleolar RNA, C/D box 116-6	Other
9.224	ENSG00000207093	SNORD116-8	small nucleolar RNA, C/D box 116-8	Other
5.916	ENSG00000212304	SNORD12	small nucleolar RNA, C/D box 12	Other
3.911	ENSG00000222365	SNORD12B	small nucleolar RNA, C/D box 12B	Other
2.946	ENSG00000212232	SNORD17	small nucleolar RNA, C/D box 17	Other
11.051	ENSG00000263934	SNORD3A	small nucleolar RNA, C/D box 3A	Other
4.715	ENSG00000265185	SNORD3B-1	small nucleolar RNA, C/D box 3B-1	Other
7.461	ENSG00000264940	SNORD3C	small nucleolar RNA, C/D box 3C	Other

4.389	ENSG00000207031	SNORD59A	small nucleolar RNA, C/D box 59A	Other
5.352	ENSG00000206989	SNORD63	small nucleolar RNA, C/D box 63	Other
7.276	ENSG00000212158	SNORD66	small nucleolar RNA, C/D box 66	Other
8.184	ENSG00000212135	SNORD67	small nucleolar RNA, C/D box 67	Other
3.118	ENSG00000200785	SNORD8	small nucleolar RNA, C/D box 8	Other
4.815	ENSG00000212447	SNORD90	small nucleolar RNA, C/D box 90	Other
5.395	ENSG00000221539	SNORD99	small nucleolar RNA, C/D box 99	Other
1.662	ENSG00000124380	SNRNP27	small nuclear ribonucleoprotein U4/U6.U5 subunit 27	Nucleus
4.151	ENSG00000128739	SNRPN	small nuclear ribonucleoprotein polypeptide N	Nucleus
2.096	ENSG00000130340	SNX9	sorting nexin 9	Cytoplasm
3.245	ENSG00000120832	SOCS2	suppressor of cytokine signaling 2	Cytoplasm
4.394	ENSG00000154556	SORBS2	sorbin and SH3 domain containing 2	Plasma Membrane
1.77	ENSG00000124766	SOX4	SRY-box 4	Nucleus
24.995	ENSG00000125398	SOX9	SRY-box 9	Nucleus
10.248	ENSG00000124664	SPDEF	SAM pointed domain containing ETS transcription factor	Nucleus
3.102	ENSG00000176170	SPHK1	sphingosine kinase 1	Cytoplasm
24.042	ENSG00000164266	SPINK1	serine peptidase inhibitor, Kazal type 1	Extracellular Space
3.203	ENSG00000166145	SPINT1	serine peptidase inhibitor, Kunitz type 1	Extracellular Space
6.141	ENSG00000152377	SPOCK1	SPARC (osteonectin), cwcv and kazal like domains proteoglycan 1	Extracellular Space
3.124	ENSG00000198369	SPRED2	sprouty related EVH1 domain containing 2	Extracellular Space
9.545	ENSG00000173898	SPTBN2	spectrin beta, non-erythrocytic 2	Cytoplasm
3.023	ENSG00000197122	SRC	SRC proto-oncogene, non-receptor tyrosine kinase	Cytoplasm
2.271	ENSG00000145687	SSBP2	single stranded DNA binding protein 2	Nucleus
3.247	ENSG00000117155	SSX2IP	SSX family member 2 interacting protein	Plasma Membrane
10.714	ENSG00000178078	STAP2	signal transducing adaptor family member 2	Cytoplasm
12.855	ENSG00000164647	STEAP1	STEAP family member 1	Plasma Membrane
11.211	ENSG00000157214	STEAP2	STEAP2 metalloreductase	Plasma Membrane
2.605	ENSG00000123473	STIL	STIL centriolar assembly protein	Nucleus
3.374	ENSG00000198648	STK39	serine/threonine kinase 39	Nucleus
3.566	ENSG00000140022	STON2	stonin 2	Cytoplasm
4.348	ENSG00000106089	STX1A	syntaxin 1A	Cytoplasm
3.7	ENSG00000136854	STXBP1	syntaxin binding protein 1	Cytoplasm
3.869	ENSG00000175854	SWI5	SWI5 homologous recombination repair protein	Nucleus
1.668	ENSG00000169895	SYAP1	synapse associated protein 1	Nucleus
10.131	ENSG00000147642	SYBU	syntabulin	Cytoplasm
2.699	ENSG00000078269	SYNJ2	synaptojanin 2	Cytoplasm
12.567	ENSG00000011347	SYT7	synaptotagmin 7	Cytoplasm
3.462	ENSG00000137501	SYTL2	synaptotagmin like 2	Cytoplasm
4.096	ENSG00000102362	SYTL4	synaptotagmin like 4	Cytoplasm
13.837	ENSG00000138162	TACC2	transforming acidic coiled-coil containing protein 2	Nucleus
4.801	ENSG00000115183	TANC1	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Plasma Membrane
4.401	ENSG00000211689	TARP	TCR gamma alternate reading frame protein	Cytoplasm
2.728	ENSG00000167291	TBC1D16	TBC1 domain family member 16	Extracellular Space
8.616	ENSG00000121068	TBX2	T-box 2	Nucleus
13.897	ENSG00000135111	TBX3	T-box 3	Nucleus
4.942	ENSG00000204219	TCEA3	transcription elongation factor A3	Nucleus
3.113	ENSG00000133142	TCEAL4	transcription elongation factor A like 4	Other
4.732	ENSG00000185222	TCEAL9	transcription elongation factor A like 9	Other
11.872	ENSG00000176907	TCIM	transcriptional and immune response regulator	Nucleus
23.638	ENSG00000095627	TDRD1	tudor domain containing 1	Cytoplasm
6.684	ENSG00000187079	TEAD1	TEA domain transcription factor 1	Nucleus
9.258	ENSG00000197905	TEAD4	TEA domain transcription factor 4	Nucleus
1.755	ENSG00000135605	TEC	tec protein tyrosine kinase	Cytoplasm
3.302	ENSG00000270141	TERC	telomerase RNA component	Nucleus
4.819	ENSG00000115112	TFCP2L1	transcription factor CP2 like 1	Nucleus
10.624	ENSG00000160182	TFF1	trefoil factor 1	Extracellular Space
6.346	ENSG00000092969	TGFB2	transforming growth factor beta 2	Extracellular Space
4.226	ENSG00000137801	THBS1	thrombospondin 1	Extracellular Space
8.445	ENSG00000104067	TJP1	tight junction protein 1	Plasma Membrane
2.233	ENSG00000119139	TJP2	tight junction protein 2	Plasma Membrane
3.828	ENSG00000196781	TLE1	TLE family member 1, transcriptional corepressor	Nucleus
9.307	ENSG00000169908	TM4SF1	transmembrane 4 L six family member 1	Plasma Membrane
2.001	ENSG00000232112	TMA7	translation machinery associated 7 homolog	Other
4.058	ENSG00000103534	TMC5	transmembrane channel like 5	Cytoplasm
8.257	ENSG00000144339	TMEFF2	transmembrane protein with EGF like and two follistatin like domains 2	Cytoplasm
7.356	ENSG00000144868	TMEM108	transmembrane protein 108	Plasma Membrane
7.525	ENSG00000006118	TMEM132A	transmembrane protein 132A	Cytoplasm
5.863	ENSG00000249242	TMEM150C	transmembrane protein 150C	Plasma Membrane
7.007	ENSG00000261115	TMEM178B	transmembrane protein 178B	Other
3.927	ENSG00000088726	TMEM40	transmembrane protein 40	Other
5.278	ENSG00000151715	TMEM45B	transmembrane protein 45B	Extracellular Space
10.335	ENSG00000184012	TMPPRS2	transmembrane serine protease 2	Plasma Membrane
6.151	ENSG00000127863	TNFRSF19	TNF receptor superfamily member 19	Plasma Membrane
2.807	ENSG00000117586	TNFSF4	TNF superfamily member 4	Extracellular Space
2.297	ENSG00000154310	TNIK	TRAF2 and NCK interacting kinase	Plasma Membrane
4.722	ENSG00000149115	TNKS1BP1	tankyrase 1 binding protein 1	Nucleus
4.784	ENSG00000101470	TNNC2	troponin C2, fast skeletal type	Cytoplasm
5.394	ENSG00000141198	TOM1L1	target of myb1 like 1 membrane trafficking protein	Cytoplasm
2.298	ENSG00000175662	TOM1L2	target of myb1 like 2 membrane trafficking protein	Cytoplasm
23.696	ENSG00000103460	TOX3	TOX high mobility group box family member 3	Nucleus
4.401	ENSG00000076554	TPD52	tumor protein D52	Cytoplasm
3.521	ENSG00000140416	TPM1	tropomyosin 1	Cytoplasm
3.26	ENSG00000167460	TPM4	tropomyosin 4	Cytoplasm
6.558	ENSG00000171368	TPPP	tubulin polymerization promoting protein	Cytoplasm
3.013	ENSG00000173334	TRIB1	tribbles pseudokinase 1	Cytoplasm
2.316	ENSG00000104228	TRIM35	tripartite motif containing 35	Cytoplasm
4.488	ENSG00000152503	TRIM36	tripartite motif containing 36	Cytoplasm
1.452	ENSG00000100815	TRIP11	thyroid hormone receptor interactor 11	Cytoplasm
4.969	ENSG00000137672	TRPC6	transient receptor potential cation channel subfamily C member 6	Plasma Membrane
9.965	ENSG00000144481	TRPM8	transient receptor potential cation channel subfamily M member 8	Plasma Membrane
14.566	ENSG00000165125	TRPV6	transient receptor potential cation channel subfamily V member 6	Plasma Membrane

2.322	ENSG00000102804	TSC2D1	TSC22 domain family member 1	Nucleus
8.355	ENSG00000182704	TSKU	tsukushi, small leucine rich proteoglycan	Extracellular Space
4.683	ENSG00000106537	TSPAN13	tetraspanin 13	Plasma Membrane
5.54	ENSG00000099282	TSPAN15	tetraspanin 15	Plasma Membrane
9.316	ENSG00000127324	TSPAN8	tetraspanin 8	Plasma Membrane
3.445	ENSG00000100154	TTC28	tetratricopeptide repeat domain 28	Cytoplasm
4.305	ENSG00000085831	TTC39A	tetratricopeptide repeat domain 39A	Other
8.826	ENSG00000139865	TTC6	tetratricopeptide repeat domain 6	Other
2.436	ENSG00000165914	TTC7B	tetratricopeptide repeat domain 7B	Other
9.18	ENSG00000162571	TTL10	tubulin tyrosine ligase like 10	Cytoplasm
2.975	ENSG00000137941	TTL7	tubulin tyrosine ligase like 7	Cytoplasm
24.297	ENSG00000166402	TUB	tubby bipartite transcription factor	Cytoplasm
3.185	ENSG00000167553	TUBA1C	tubulin alpha 1c	Cytoplasm
2.576	ENSG00000101162	TUBB1	tubulin beta 1 class VI	Cytoplasm
2.183	ENSG00000188229	TUBB4B	tubulin beta 4B class IVb	Cytoplasm
6.295	ENSG00000143367	TUFT1	tuftelin 1	Cytoplasm
24.75	ENSG00000250366	TUNAR	TCL1 upstream neural differentiation-associated RNA	Other
3.599	ENSG00000137831	UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats	Cytoplasm
1.691	ENSG00000150991	UBC	ubiquitin C	Cytoplasm
3.413	ENSG00000109814	UGDH	UDP-glucose 6-dehydrogenase	Nucleus
24.388	ENSG00000196620	UGT2B15	UDP glucuronosyltransferase family 2 member B15	Cytoplasm
2.574	ENSG00000114491	UMPS	uridine monophosphate synthetase	Cytoplasm
5.815	ENSG00000198722	UNC13B	unc-13 homolog B	Cytoplasm
2.413	ENSG00000173660	UQCRH	ubiquinol-cytochrome c reductase hinge protein	Cytoplasm
2.402	ENSG00000233954	UQCRHL	ubiquinol-cytochrome c reductase hinge protein like	Cytoplasm
5.421	ENSG00000154914	USP43	ubiquitin specific peptidase 43	Nucleus
6.332	ENSG00000166348	USP54	ubiquitin specific peptidase 54	Other
3.876	ENSG00000173218	VANGL1	VANGL planar cell polarity protein 1	Cytoplasm
1.724	ENSG00000124164	VAPB	VAMP associated protein B and C	Plasma Membrane
2.064	ENSG00000035403	VCL	vinculin	Plasma Membrane
1.629	ENSG00000213585	VDAC1	voltage dependent anion channel 1	Cytoplasm
2.918	ENSG00000150630	VEGFC	vascular endothelial growth factor C	Extracellular Space
2.456	ENSG00000196715	VKORC1L1	vitamin K epoxide reductase complex subunit 1 like 1	Cytoplasm
23.843	ENSG00000202111	VRNA1-2	vault RNA 1-2	Other
10.923	ENSG00000179403	VWA1	von Willebrand factor A domain containing 1	Extracellular Space
23.501	ENSG00000158816	VWA5B1	von Willebrand factor A domain containing 5B1	Extracellular Space
3.772	ENSG00000110799	VWF	von Willebrand factor	Extracellular Space
2.388	ENSG00000131725	WDR44	WD repeat domain 44	Cytoplasm
1.67	ENSG00000126870	WDR60	WD repeat domain 60	Extracellular Space
9.743	ENSG00000165238	WNK2	WNK lysine deficient protein kinase 2	Cytoplasm
24.514	ENSG00000196632	WNK3	WNK lysine deficient protein kinase 3	Plasma Membrane
24.878	ENSG00000188064	WNT7B	Wnt family member 7B	Extracellular Space
8.858	ENSG00000143816	WNT9A	Wnt family member 9A	Extracellular Space
4.545	ENSG00000142279	WTIP	WT1 interacting protein	Nucleus
8.925	ENSG00000113645	WWC1	WW and C2 domain containing 1	Cytoplasm
6.024	ENSG00000018408	WWTR1	WW domain containing transcription regulator 1	Nucleus
23.593	ENSG00000158125	XDH	xanthine dehydrogenase	Cytoplasm
5.107	ENSG00000163092	XIRP2	xin actin binding repeat containing 2	Other
2.621	ENSG00000015532	XYLT2	xylosyltransferase 2	Cytoplasm
7.642	ENSG00000137693	YAP1	Yes associated protein 1	Nucleus
3.262	ENSG00000176105	YES1	YES proto-oncogene 1, Src family tyrosine kinase	Cytoplasm
1.445	ENSG00000108953	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon	Cytoplasm
2.057	ENSG00000128245	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta	Cytoplasm
1.528	ENSG00000257315	ZBED6	zinc finger BED-type containing 6	Nucleus
2.425	ENSG00000205189	ZBTB10	zinc finger and BTB domain containing 10	Nucleus
3.22	ENSG00000149289	ZC3H12C	zinc finger CCCH-type containing 12C	Other
2.813	ENSG00000121766	ZCCHC17	zinc finger CCHC-type containing 17	Nucleus
12.026	ENSG00000091656	ZFX4	zinc finger homeobox 4	Nucleus
4.279	ENSG00000220201	ZGLP1	zinc finger GATA like protein 1	Nucleus
6.813	ENSG00000043355	ZIC2	Zic family member 2	Nucleus
10.957	ENSG00000197279	ZNF165	zinc finger protein 165	Nucleus
4.398	ENSG00000105497	ZNF175	zinc finger protein 175	Nucleus
8.295	ENSG00000187595	ZNF385C	zinc finger protein 385C	Other
6.495	ENSG00000148143	ZNF462	zinc finger protein 462	Nucleus
5.329	ENSG00000196263	ZNF471	zinc finger protein 471	Nucleus
2.439	ENSG00000179195	ZNF664	zinc finger protein 664	Nucleus
7.06	ENSG00000164684	ZNF704	zinc finger protein 704	Nucleus
-8.052	ENSG00000268895	A1BG-AS1	A1BG antisense RNA 1	Other
-5.782	ENSG00000175899	A2M	alpha-2-macroglobulin	Extracellular Space
-9.407	ENSG00000245105	A2M-AS1	A2M antisense RNA 1	Other
-6.213	ENSG00000266967	AARSD1	alanyl-tRNA synthetase domain containing 1	Nucleus
-6.328	ENSG00000008311	AASS	aminoadipate-semialdehyde synthase	Cytoplasm
-10.493	ENSG00000215458	AATBC	apoptosis associated transcript in bladder cancer	Other
-6.383	ENSG00000154263	ABCA10	ATP binding cassette subfamily A member 10	Other
-13.297	ENSG00000179869	ABCA13	ATP binding cassette subfamily A member 13	Extracellular Space
-7.076	ENSG00000005471	ABCB4	ATP binding cassette subfamily B member 4	Plasma Membrane
-10.095	ENSG00000243064	ABCC13	ATP binding cassette subfamily C member 13 (pseudogene)	Other
-7.544	ENSG00000091262	ABCC6	ATP binding cassette subfamily C member 6	Plasma Membrane
-9.105	ENSG00000173208	ABCD2	ATP binding cassette subfamily D member 2	Cytoplasm
-4.806	ENSG00000131969	ABHD12B	abhydrolase domain containing 12B	Other
-9.335	ENSG00000168792	ABHD15	abhydrolase domain containing 15	Extracellular Space
-2.905	ENSG00000129968	ABHD17A	abhydrolase domain containing 17A	Plasma Membrane
-7.026	ENSG00000136379	ABHD17C	abhydrolase domain containing 17C	Plasma Membrane
-9.679	ENSG00000164074	ABHD18	abhydrolase domain containing 18	Other
-10.634	ENSG00000011198	ABHD5	abhydrolase domain containing 5	Cytoplasm
-8.418	ENSG00000163686	ABHD6	abhydrolase domain containing 6	Cytoplasm
-8.343	ENSG00000127220	ABHD8	abhydrolase domain containing 8	Cytoplasm
-10.378	ENSG00000108798	ABI3	ABI family member 3	Plasma Membrane
-9.484	ENSG00000163322	ABRAXAS1	abraxas 1, BRCA1 A complex subunit	Nucleus
-3.694	ENSG00000114626	ABTB1	ankyrin repeat and BTB domain containing 1	Cytoplasm
-5.601	ENSG00000243107	AC0001207	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other

-5.42	ENSG00000231170	AC0024513	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.368	ENSG00000237773	AC0030754	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.887	ENSG00000273447	AC0040675	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.332	ENSG00000239556	AC0049515	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.356	ENSG00000228434	AC0049516	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.031	ENSG00000226816	AC00508212	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.213	ENSG00000244480	AC0051547	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.548	ENSG00000258559	AC0055194	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.616	ENSG00000235852	AC0055403	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.697	ENSG00000266897	AC0055462	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.549	ENSG00000268027	AC0061292	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.123	ENSG00000236213	AC0063692	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.872	ENSG00000230751	AC0070364	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.662	ENSG00000213090	AC0072565	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.806	ENSG00000236525	AC0072782	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-11.527	ENSG00000234389	AC0072783	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.786	ENSG00000269318	AC0072923	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.454	ENSG00000227946	AC0073833	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.518	ENSG00000244055	AC00756610	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.698	ENSG00000223725	AC0078795	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.374	ENSG00000269688	AC0089822	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.928	ENSG00000259972	AC0091206	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.811	ENSG00000260719	AC00913317	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.674	ENSG00000235192	AC0094952	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.28	ENSG00000231794	AC0095422	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.175	ENSG00000227055	AC0099615	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.749	ENSG00000235081	AC0104922	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.536	ENSG00000268833	AC0115134	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.989	ENSG00000234073	AC0118161	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.665	ENSG00000235128	AC0134744	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.698	ENSG00000224442	AC0170352	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.393	ENSG00000235683	AC0184421	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.274	ENSG00000225314	AC0186349	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.369	ENSG00000237039	AC0187382	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.484	ENSG00000229023	AC0679453	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.3	ENSG00000229512	AC0685805	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.342	ENSG00000235027	AC0685806	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.204	ENSG00000235499	AC07304625	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.173	ENSG00000225187	AC0732837	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.848	ENSG00000254094	AC0788521	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.394	ENSG00000230773	AC0798074	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.692	ENSG00000204745	AC0838993	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.945	ENSG00000229368	AC0905874	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.811	ENSG00000230532	AC0911331	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.925	ENSG00000227189	AC0925353	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.083	ENSG00000234231	AC0936164	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.785	ENSG00000240859	AC09362710	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.673	ENSG00000231494	AC1046343	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.596	ENSG00000231079	AC1054024	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.294	ENSG00000224638	AC1069006	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.05	ENSG00000234290	AC1163666	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.055	ENSG00000226155	AC1249443	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.437	ENSG00000231259	AC1252321	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.595	ENSG00000238035	AC1380352	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.595	ENSG00000233799	AC1398874	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.268	ENSG00000261888	AC1448311	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.389	ENSG00000230606	AC1595401	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.657	ENSG00000240303	ACAD11	acyl-CoA dehydrogenase family member 11	Cytoplasm
-12.477	ENSG00000072818	ACAP1	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Plasma Membrane
-6.61	ENSG00000229325	ACAP2-IT1	ACAP2 intronic transcript 1	Other
-5.028	ENSG00000159640	ACE	angiotensin I converting enzyme	Plasma Membrane
-6.988	ENSG00000213088	ACKR1	atypical chemokine receptor 1 (Duffy blood group)	Plasma Membrane
-6.083	ENSG00000144648	ACKR2	atypical chemokine receptor 2	Plasma Membrane
-5.988	ENSG00000144476	ACKR3	atypical chemokine receptor 3	Plasma Membrane
-7.794	ENSG00000162390	ACOT11	acyl-CoA thioesterase 11	Cytoplasm
-6.681	ENSG00000119673	ACOT2	acyl-CoA thioesterase 2	Cytoplasm
-9.473	ENSG00000134575	ACP2	acid phosphatase 2, lysosomal	Cytoplasm
-8.633	ENSG00000167107	ACSF2	acyl-CoA synthetase family member 2	Cytoplasm
-4.503	ENSG00000176715	ACSF3	acyl-CoA synthetase family member 3	Cytoplasm
-7.084	ENSG00000107796	ACTA2	actin alpha 2, smooth muscle	Cytoplasm
-7.345	ENSG00000180139	ACTA2-AS1	ACTA2 antisense RNA 1	Other
-4.776	ENSG00000241547	ACTG1P20	actin gamma 1 pseudogene 20	Other
-6.436	ENSG00000215388	ACTG1P3	actin gamma 1 pseudogene 3	Other
-2.656	ENSG00000115073	ACTR1B	actin related protein 1B	Cytoplasm
-5.467	ENSG00000123612	ACVR1C	activin A receptor type 1C	Plasma Membrane
-5.923	ENSG00000139567	ACVRL1	activin A receptor like type 1	Plasma Membrane
-7.949	ENSG00000170634	ACYP2	acylphosphatase 2	Cytoplasm
-8.741	ENSG00000196839	ADA	adenosine deaminase	Cytoplasm
-13.386	ENSG00000093072	ADA2	adenosine deaminase 2	Extracellular Space
-5.831	ENSG00000148848	ADAM12	ADAM metalloproteinase domain 12	Plasma Membrane
-12.215	ENSG00000135074	ADAM19	ADAM metalloproteinase domain 19	Plasma Membrane
-9.902	ENSG00000042980	ADAM28	ADAM metalloproteinase domain 28	Plasma Membrane
-9.125	ENSG00000142303	ADAMTS10	ADAM metalloproteinase with thrombospondin type 1 motif 10	Extracellular Space
-5.856	ENSG00000160323	ADAMTS13	ADAM metalloproteinase with thrombospondin type 1 motif 13	Extracellular Space
-6.47	ENSG00000140470	ADAMTS17	ADAM metalloproteinase with thrombospondin type 1 motif 17	Extracellular Space
-11.107	ENSG00000087116	ADAMTS2	ADAM metalloproteinase with thrombospondin type 1 motif 2	Extracellular Space
-6.309	ENSG00000049192	ADAMTS5	ADAM metalloproteinase with thrombospondin type 1 motif 5	Extracellular Space
-10.42	ENSG00000143382	ADAMTSL4	ADAMTS like 4	Extracellular Space
-9.25	ENSG00000105963	ADAP1	ArfGAP with dual PH domains 1	Nucleus
-6.968	ENSG00000213638	ADAT3	adenosine deaminase tRNA specific 3	Nucleus
-8.745	ENSG00000161912	ADCY10P1	ADCY10 pseudogene 1	Other

-8.666	ENSG00000129467	ADCY4	adenylate cyclase 4	Plasma Membrane
-11.872	ENSG00000121281	ADCY7	adenylate cyclase 7	Plasma Membrane
-7.175	ENSG00000020181	ADGRA2	adhesion G protein-coupled receptor A2	Plasma Membrane
-6.745	ENSG00000135298	ADGRB3	adhesion G protein-coupled receptor B3	Plasma Membrane
-7.855	ENSG00000111452	ADGRD1	adhesion G protein-coupled receptor D1	Plasma Membrane
-11.99	ENSG00000127507	ADGRE2	adhesion G protein-coupled receptor E2	Plasma Membrane
-9.096	ENSG00000131355	ADGRE3	adhesion G protein-coupled receptor E3	Plasma Membrane
-8.278	ENSG00000268758	ADGRE4P	adhesion G protein-coupled receptor E4, pseudogene	Plasma Membrane
-4.11	ENSG00000123146	ADGRE5	adhesion G protein-coupled receptor E5	Plasma Membrane
-5.478	ENSG00000205336	ADGRG1	adhesion G protein-coupled receptor G1	Plasma Membrane
-10.83	ENSG00000182885	ADGRG3	adhesion G protein-coupled receptor G3	Plasma Membrane
-9.288	ENSG00000159618	ADGRG5	adhesion G protein-coupled receptor G5	Plasma Membrane
-8.832	ENSG00000106624	AEBP1	AE binding protein 1	Nucleus
-7.929	ENSG00000263335	AF0015485	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.274	ENSG00000255310	AF1312152	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.815	ENSG00000254556	AF1312154	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-11.119	ENSG00000155966	AF2	AF4/FMR2 family member 2	Nucleus
-8.317	ENSG00000135537	AFG1L	AFG1 like ATPase	Cytoplasm
-9.41	ENSG00000038002	AGA	aspartylglucosaminidase	Cytoplasm
-8.706	ENSG00000204149	AGAP5 (includes others)	ArfGAP with GTPase domain, ankyrin repeat and PH domain 5	Other
-6.863	ENSG00000188234	AGAP5 (includes others)	ArfGAP with GTPase domain, ankyrin repeat and PH domain 5	Other
-6.189	ENSG00000165923	AGBL2	ATP/GTP binding protein like 2	Cytoplasm
-5.235	ENSG00000162688	AGL	amylase alpha-1, 6-glucosidase, 4-alpha-glucanotransferase	Cytoplasm
-10.164	ENSG00000026652	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4	Cytoplasm
-13.285	ENSG00000204472	AIF1	allograft inflammatory factor 1	Nucleus
-7.526	ENSG00000183773	AIFM3	apoptosis inducing factor mitochondria associated 3	Cytoplasm
-8.438	ENSG00000163568	AIM2	absent in melanoma 2	Cytoplasm
-8.144	ENSG00000232434	AJM1	apical junction component 1 homolog	Other
-5.792	ENSG00000106992	AK1	adenylate kinase 1	Cytoplasm
-1.577	ENSG00000170776	AKAP13	A-kinase anchoring protein 13	Cytoplasm
-6.095	ENSG00000111254	AKAP3	A-kinase anchoring protein 3	Cytoplasm
-7.409	ENSG00000166452	AKIP1	A-kinase interacting protein 1	Nucleus
-4.583	ENSG00000106948	AKNA	AT-hook transcription factor	Nucleus
-9.263	ENSG00000085662	AKR1B1	aldo-keto reductase family 1 member B	Cytoplasm
-6.123	ENSG00000244620	AL12212725	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.807	ENSG00000237491	AL669831.5	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.973	ENSG00000165092	ALDH1A1	aldehyde dehydrogenase 1 family member A1	Cytoplasm
-11.064	ENSG00000006534	ALDH3B1	aldehyde dehydrogenase 3 family member B1	Cytoplasm
-6.79	ENSG00000109107	ALDOC	aldolase, fructose-bisphosphate C	Cytoplasm
-7.401	ENSG00000139133	ALG10	ALG10 alpha-1,2-glucosyltransferase	Cytoplasm
-6.888	ENSG00000175548	ALG10B	ALG10 alpha-1,2-glucosyltransferase B	Plasma Membrane
-6.062	ENSG00000172339	ALG14	ALG14 UDP-N-acetylglucosaminyltransferase subunit	Cytoplasm
-8.314	ENSG00000120697	ALG5	ALG5 dolichyl-phosphate beta-glucosyltransferase	Cytoplasm
-6.996	ENSG00000086848	ALG9	ALG9 alpha-1,2-mannosyltransferase	Cytoplasm
-8.093	ENSG00000100601	ALKBH1	alkB homolog 1, histone H2A dioxygenase	Cytoplasm
-4.256	ENSG00000160993	ALKBH4	alkB homolog 4, lysine demethylase	Cytoplasm
-9.168	ENSG00000137760	ALKBH8	alkB homolog 8, tRNA methyltransferase	Cytoplasm
-7.034	ENSG00000215067	ALOX12-AS1	ALOX12 antisense RNA 1	Other
-13.261	ENSG00000012779	ALOX5	arachidonate 5-lipoxygenase	Cytoplasm
-11.645	ENSG00000132965	ALOX5AP	arachidonate 5-lipoxygenase activating protein	Plasma Membrane
-11.386	ENSG00000073331	ALPK1	alpha kinase 1	Cytoplasm
-7.156	ENSG00000162551	ALPL	alkaline phosphatase, biomineralization associated	Plasma Membrane
-7.699	ENSG00000178038	ALS2CL	ALS2 C-terminal like	Cytoplasm
-10.363	ENSG00000155749	ALS2CR12	ALS2 chromosome region 12	Cytoplasm
-6.29	ENSG00000139344	AMDHD1	amidohydrolase domain containing 1	Cytoplasm
-5.66	ENSG00000104899	AMH	anti-Mullerian hormone	Extracellular Space
-8.555	ENSG00000181754	AMIGO1	adhesion molecule with Ig like domain 1	Plasma Membrane
-4.517	ENSG00000133805	AMPD3	adenosine monophosphate deaminase 3	Cytoplasm
-7.62	ENSG00000145020	AMT	aminomethyltransferase	Cytoplasm
-9.642	ENSG00000240038	AMY2B	amylase alpha 2B (pancreatic)	Extracellular Space
-8.38	ENSG00000214174	AMZ2P1	archaelysin family metalloproteinase 2 pseudogene 1	Other
-9.385	ENSG00000129055	ANAPC13	anaphase promoting complex subunit 13	Nucleus
-8.579	ENSG00000135233	ANGEL1	angel homolog 1	Extracellular Space
-6.243	ENSG00000145362	ANK2	ankyrin 2	Plasma Membrane
-8.345	ENSG00000151687	ANKAR	ankyrin and armadillo repeat containing	Nucleus
-7.685	ENSG00000166839	ANKDD1A	ankyrin repeat and death domain containing 1A	Other
-7.549	ENSG00000132623	ANKEF1	ankyrin repeat and EF-hand domain containing 1	Nucleus
-6.723	ENSG00000229152	ANKRD10-IT1	ANKRD10 intronic transcript 1	Other
-6.319	ENSG00000159712	ANKRD18CP	ankyrin repeat domain 18C, pseudogene	Other
-6.015	ENSG00000145700	ANKRD31	ankyrin repeat domain 31	Extracellular Space
-5.867	ENSG00000198483	ANKRD35	ankyrin repeat domain 35	Other
-6.701	ENSG00000213337	ANKRD39	ankyrin repeat domain 39	Other
-13.048	ENSG00000065413	ANKRD44	ankyrin repeat domain 44	Other
-9.769	ENSG00000236977	ANKRD44-IT1	ANKRD44 intronic transcript 1	Other
-7.476	ENSG00000171714	ANO5	anoctamin 5	Plasma Membrane
-6.12	ENSG00000237276	ANO7L1	anoctamin 7 like 1	Other
-9.1	ENSG00000185101	ANO9	anoctamin 9	Plasma Membrane
-8.274	ENSG00000177721	ANXA2R	annexin A2 receptor	Plasma Membrane
-13.223	ENSG00000136250	AOAH	acyloxyacyl hydrolase	Extracellular Space
-8.513	ENSG00000230539	AOAH-IT1	AOAH intronic transcript 1	Other
-6.196	ENSG00000273017	AP0002409	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.521	ENSG00000272578	AP0003472	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.082	ENSG00000234353	AP0003474	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.973	ENSG00000273295	AP0003505	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.508	ENSG00000228107	AP0006929	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.679	ENSG00000234268	AP0009361	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.439	ENSG00000237604	AP0010561	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.182	ENSG00000260256	AP0010631	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.133	ENSG00000225218	AP0016286	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.426	ENSG00000228463	AP0062222	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-2.773	ENSG00000072958	AP1M1	adaptor related protein complex 1 subunit mu 1	Cytoplasm

-10.45	ENSG00000134262	AP4B1	adaptor related protein complex 4 subunit beta 1	Cytoplasm
-4.252	ENSG00000081014	AP4E1	adaptor related protein complex 4 subunit epsilon 1	Cytoplasm
-10.196	ENSG00000053770	AP5M1	adaptor related protein complex 5 subunit mu 1	Cytoplasm
-7.45	ENSG00000125843	AP5S1	adaptor related protein complex 5 subunit sigma 1	Cytoplasm
-5.68	ENSG00000011132	APBA3	amyloid beta precursor protein binding family A member 3	Cytoplasm
-12.478	ENSG00000077420	APBB1P	amyloid beta precursor protein binding family B member 1 interacting protein	Cytoplasm
-5.052	ENSG00000113108	APBB3	amyloid beta precursor protein binding family B member 3	Cytoplasm
-8.404	ENSG00000169188	APEX2	apurinic/aprimidinic endodeoxyribonuclease 2	Nucleus
-11.89	ENSG00000128383	APOBEC3A	apolipoprotein B mRNA editing enzyme catalytic subunit 3A	Cytoplasm
-7.449	ENSG00000179750	APOBEC3B	apolipoprotein B mRNA editing enzyme catalytic subunit 3B	Cytoplasm
-9.063	ENSG00000243811	APOBEC3D	apolipoprotein B mRNA editing enzyme catalytic subunit 3D	Cytoplasm
-11.032	ENSG00000239713	APOBEC3G	apolipoprotein B mRNA editing enzyme catalytic subunit 3G	Nucleus
-6.55	ENSG00000100298	APOBEC3H	apolipoprotein B mRNA editing enzyme catalytic subunit 3H	Cytoplasm
-6.306	ENSG00000100336	APOL4	apolipoprotein L4	Extracellular Space
-2.163	ENSG00000221963	APOL6	apolipoprotein L6	Extracellular Space
-6.048	ENSG00000178878	APOLD1	apolipoprotein L domain containing 1	Other
-6.783	ENSG00000184831	APOO	apolipoprotein O	Extracellular Space
-12.017	ENSG00000103569	AQP9	aquaporin 9	Plasma Membrane
-1.845	ENSG00000186635	ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	Cytoplasm
-7.411	ENSG00000109321	AREG	amphiregulin	Extracellular Space
-5.219	ENSG00000118520	ARG1	arginase 1	Cytoplasm
-9.758	ENSG00000075884	ARHGAP15	Rho GTPase activating protein 15	Cytoplasm
-10.063	ENSG00000213390	ARHGAP19	Rho GTPase activating protein 19	Cytoplasm
-12.715	ENSG00000163219	ARHGAP25	Rho GTPase activating protein 25	Cytoplasm
-5.884	ENSG00000145819	ARHGAP26	Rho GTPase activating protein 26	Cytoplasm
-5.986	ENSG00000230789	ARHGAP26-IT1	ARHGAP26 intronic transcript 1	Other
-2.326	ENSG00000159314	ARHGAP27	Rho GTPase activating protein 27	Cytoplasm
-14.209	ENSG00000186517	ARHGAP30	Rho GTPase activating protein 30	Cytoplasm
-8.187	ENSG00000165895	ARHGAP42	Rho GTPase activating protein 42	Other
-13.067	ENSG00000123329	ARHGAP9	Rho GTPase activating protein 9	Cytoplasm
-4.171	ENSG00000076928	ARHGEF1	Rho guanine nucleotide exchange factor 1	Cytoplasm
-6.603	ENSG00000142632	ARHGEF19	Rho guanine nucleotide exchange factor 19	Cytoplasm
-3.019	ENSG00000116584	ARHGEF2	Rho/Rac guanine nucleotide exchange factor 2	Cytoplasm
-5.606	ENSG00000137135	ARHGEF39	Rho guanine nucleotide exchange factor 39	Plasma Membrane
-5.441	ENSG00000165801	ARHGEF40	Rho guanine nucleotide exchange factor 40	Other
-6.408	ENSG00000221883	ARIH2OS	ariadne RBR E3 ubiquitin protein ligase 2 opposite strand	Other
-10.116	ENSG00000152213	ARL11	ADP ribosylation factor like GTPase 11	Other
-9.086	ENSG00000214087	ARL16	ADP ribosylation factor like GTPase 16	Cytoplasm
-6.214	ENSG00000228696	ARL17A/ARL17B	ADP ribosylation factor like GTPase 17A	Other
-6.801	ENSG00000213465	ARL2	ADP ribosylation factor like GTPase 2	Cytoplasm
-6.524	ENSG00000126947	ARMCX1	armadillo repeat containing X-linked 1	Other
-7.815	ENSG00000196440	ARMCX4	armadillo repeat containing X-linked 4	Other
-8.882	ENSG00000198520	ARMH1	armadillo-like helical domain containing 1	Other
-9.594	ENSG00000146476	ARMT1	acidic residue methyltransferase 1	Other
-2.36	ENSG00000143437	ARNT	aryl hydrocarbon receptor nuclear translocator	Nucleus
-11.115	ENSG00000133794	ARNTL	aryl hydrocarbon receptor nuclear translocator like	Nucleus
-7.68	ENSG00000242498	ARPIN/ARPIN-AP3S2	ARPIN-AP3S2 readthrough	Plasma Membrane
-7.386	ENSG00000203993	ARRDC1-AS1	ARRDC1 antisense RNA 1	Other
-9.546	ENSG00000205784	ARRDC5	arrestin domain containing 5	Other
-10.628	ENSG00000113273	ARSB	arylsulfatase B	Cytoplasm
-9.724	ENSG00000141337	ARSG	arylsulfatase G	Cytoplasm
-7.866	ENSG00000164291	ARSK	arylsulfatase family member K	Extracellular Space
-6.949	ENSG00000115239	ASB3/GPR75-ASB3	ankyrin repeat and SOCS box containing 3	Cytoplasm
-8.656	ENSG00000183734	ASCL2	achaete-scute family bHLH transcription factor 2	Nucleus
-9.783	ENSG00000111875	ASF1A	anti-silencing function 1A histone chaperone	Nucleus
-8.65	ENSG00000141505	ASGR1	asialoglycoprotein receptor 1	Plasma Membrane
-10.675	ENSG00000161944	ASGR2	asialoglycoprotein receptor 2	Plasma Membrane
-6.007	ENSG00000235919	ASH1L-AS1	ASH1L antisense RNA 1	Other
-5.041	ENSG00000227773	ASH1L-IT1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.244	ENSG00000213199	ASIC3	acid sensing ion channel subunit 3	Plasma Membrane
-9.034	ENSG00000236017	ASMTL-AS1	ASMTL antisense RNA 1	Other
-1.914	ENSG00000143970	ASXL2	ASXL transcriptional regulator 2	Extracellular Space
-9.971	ENSG00000123268	ATF1	activating transcription factor 1	Nucleus
-7.894	ENSG00000152348	ATG10	autophagy related 10	Plasma Membrane
-9.016	ENSG00000125703	ATG4C	autophagy related 4C cysteine peptidase	Cytoplasm
-5.958	ENSG00000181652	ATG9B	autophagy related 9B	Cytoplasm
-2.337	ENSG00000149311	ATM	ATM serine/threonine kinase	Nucleus
-7.955	ENSG00000177556	ATOX1	antioxidant 1 copper chaperone	Cytoplasm
-11.088	ENSG00000145246	ATP10D	ATPase phospholipid transporting 10D (putative)	Cytoplasm
-10.876	ENSG00000159363	ATP13A2	ATPase cation transporting 13A2	Cytoplasm
-7.943	ENSG00000105409	ATP1A3	ATPase Na ⁺ /K ⁺ transporting subunit alpha 3	Plasma Membrane
-5.757	ENSG00000249212	ATP1B1P1	ATPase Na ⁺ /K ⁺ transporting subunit beta 1 pseudogene 1	Other
-7.736	ENSG00000129244	ATP1B2	ATPase Na ⁺ /K ⁺ transporting subunit beta 2	Plasma Membrane
-7.885	ENSG00000166896	ATP23	ATP23 metalloproteinase and ATP synthase assembly factor homolog	Plasma Membrane
-6.281	ENSG00000261286	ATP2C2-AS1	ATP2C2 antisense RNA 1	Other
-7.678	ENSG00000159199	ATP5MC1	ATP synthase membrane subunit c locus 1	Cytoplasm
-2.761	ENSG00000182220	ATP6AP2	ATPase H ⁺ transporting accessory protein 2	Cytoplasm
-5.812	ENSG00000117410	ATP6V0B	ATPase H ⁺ transporting V0 subunit b	Cytoplasm
-7.44	ENSG00000130270	ATP8B3	ATPase phospholipid transporting 8B3	Cytoplasm
-12.504	ENSG00000104043	ATP8B4	ATPase phospholipid transporting 8B4 (putative)	Plasma Membrane
-3.099	ENSG00000166377	ATP9B	ATPase phospholipid transporting 9B (putative)	Cytoplasm
-2.721	ENSG00000175054	ATR	ATR serine/threonine kinase	Nucleus
-1.973	ENSG00000124788	ATXN1	ataxin 1	Nucleus
-1.296	ENSG00000168488	ATXN2L	ataxin 2 like	Nucleus
-7.99	ENSG00000162650	ATXN7L2	ataxin 7 like 2	Other
-7.71	ENSG00000127423	AUNIP	aurora kinase A and ninein interacting protein	Cytoplasm
-7.745	ENSG00000087586	AURKA	aurora kinase A	Nucleus
-7.065	ENSG00000178999	AURKB	aurora kinase B	Nucleus
-5.977	ENSG00000105146	AURKC	aurora kinase C	Nucleus
-6.549	ENSG00000142920	AZIN2	antizyme inhibitor 2	Cytoplasm
-10.575	ENSG00000172232	AZU1	azurocidin 1	Cytoplasm

-6.487	ENSG00000169255	B3GALNT1	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside blood group)	Cytoplasm
-8.414	ENSG00000162885	B3GALNT2	beta-1,3-N-acetylgalactosaminyltransferase 2	Cytoplasm
-9.162	ENSG00000235863	B3GALT4	beta-1,3-galactosyltransferase 4	Cytoplasm
-8.121	ENSG00000187676	B3GLCT	beta-3-glucosyltransferase	Cytoplasm
-8.9	ENSG00000177191	B3GNT8	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8	Cytoplasm
-5.766	ENSG00000237172	B3GNT9	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9	Cytoplasm
-8.809	ENSG00000175711	B3GNTL1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase like 1	Other
-7.898	ENSG00000123810	B9D2	B9 domain containing 2	Cytoplasm
-6.175	ENSG00000164929	BAALC	BAALC binder of MAP3K1 and KLF4	Cytoplasm
-8.341	ENSG00000105393	BABAM1	BRISC and BRCA1 A complex member 1	Nucleus
-7.798	ENSG00000248476	BACH1-IT1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.853	ENSG00000228817	BACH1-IT2	BACH1 intronic transcript 2	Other
-5.08	ENSG00000140320	BAHD1	bromo adjacent homology domain containing 1	Nucleus
-8.872	ENSG00000156127	BATF	basic leucine zipper ATF-like transcription factor	Nucleus
-6.967	ENSG00000168062	BATF2	basic leucine zipper ATF-like transcription factor 2	Other
-7.444	ENSG00000123685	BATF3	basic leucine zipper ATF-like transcription factor 3	Nucleus
-9.531	ENSG00000122507	BBS9	Bardet-Biedl syndrome 9	Extracellular Space
-5.544	ENSG00000137936	BCAR3	BCAR3 adaptor protein, NSP family member	Cytoplasm
-5.966	ENSG00000124243	BCAS4	breast carcinoma amplified sequence 4	Cytoplasm
-5.772	ENSG00000060982	BCAT1	branched chain amino acid transaminase 1	Cytoplasm
-6.464	ENSG00000186666	BCDIN3D	BCDIN3 domain containing RNA methyltransferase	Cytoplasm
-6.927	ENSG00000248098	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide	Cytoplasm
-5.245	ENSG00000119866	BCL11A	BAF chromatin remodeling complex subunit BCL11A	Nucleus
-12.226	ENSG00000127152	BCL11B	BAF chromatin remodeling complex subunit BCL11B	Nucleus
-4.636	ENSG00000153094	BCL2L11	BCL2 like 11	Cytoplasm
-8.648	ENSG00000188761	BCL2L15	BCL2 like 15	Nucleus
-7.516	ENSG00000215580	BCORP1	BCL6 corepressor pseudogene 1	Other
-7.936	ENSG00000074582	BCS1L	BCS1 homolog, ubiquinol-cytochrome c reductase complex chaperone	Cytoplasm
-6.966	ENSG00000164039	BDH2	3-hydroxybutyrate dehydrogenase 2	Cytoplasm
-5.696	ENSG00000178409	BEND3	BEN domain containing 3	Nucleus
-9.771	ENSG00000167995	BEST1	bestrophin 1	Plasma Membrane
-10.484	ENSG00000103429	BFAR	bifunctional apoptosis regulator	Cytoplasm
-8.088	ENSG00000134897	BIVM	basic, immunoglobulin-like variable motif containing	Extracellular Space
-8.308	ENSG00000136573	BLK	BLK proto-oncogene, Src family tyrosine kinase	Cytoplasm
-7.793	ENSG00000135441	BLOC1S1	biogenesis of lysosomal organelles complex 1 subunit 1	Cytoplasm
-7.803	ENSG00000168487	BMP1	bone morphogenetic protein 1	Extracellular Space
-5.712	ENSG00000242338	BMS1P4	BMS1 pseudogene 4	Other
-9.217	ENSG00000102010	BMX	BMX non-receptor tyrosine kinase	Cytoplasm
-7.225	ENSG00000163170	BOLA3	bolA family member 3	Cytoplasm
-6.514	ENSG00000225439	BOLA3-AS1	BOLA3 divergent transcript	Other
-7.953	ENSG00000136122	BORA	BORA aurora kinase A activator	Cytoplasm
-5.599	ENSG00000064489	BORCS8-MEF2B	BORCS8-MEF2B readthrough	Nucleus
-13.19	ENSG00000101425	BPI	bactericidal permeability increasing protein	Plasma Membrane
-6.812	ENSG00000251667	BRCC3P1	BRCA1/BRCA2-containing complex subunit 3 pseudogene 1	Other
-7.854	ENSG00000235106	BRD3O5	BRD3 opposite strand	Other
-5.958	ENSG00000181097	BREA2	breast cancer estrogen-induced apoptosis 2	Other
-6.781	ENSG00000182685	BRICD5	BRICHOS domain containing 5	Other
-7.35	ENSG00000168000	BSC12	BSC12 lipid droplet biogenesis associated, seipin	Cytoplasm
-10.823	ENSG00000109743	BST1	bone marrow stromal cell antigen 1	Plasma Membrane
-5.358	ENSG00000229106	BTBD6P1	BTB domain containing 6 pseudogene 1	Other
-6.161	ENSG00000189195	BTBD8	BTB domain containing 8	Nucleus
-8.495	ENSG00000169814	BTD	biotinidase	Extracellular Space
-2.389	ENSG00000145741	BTTF3	basic transcription factor 3	Nucleus
-7.765	ENSG00000186265	BTLA	B and T lymphocyte associated	Plasma Membrane
-7.503	ENSG00000124549	BTN2A3P	butyrophilin subfamily 2 member A3, pseudogene	Other
-7.875	ENSG00000113303	BTNL8	butyrophilin like 8	Plasma Membrane
-6.655	ENSG00000214688	C10orf105	chromosome 10 open reading frame 105	Other
-5.233	ENSG00000237489	C10orf143	chromosome 10 open reading frame 143	Other
-5.912	ENSG00000180066	C10orf91	chromosome 10 open reading frame 91 (putative)	Other
-7.283	ENSG00000137720	C11orf1	chromosome 11 open reading frame 1	Nucleus
-5.491	ENSG00000166323	C11orf65	chromosome 11 open reading frame 65	Other
-8.331	ENSG00000175573	C11orf68	chromosome 11 open reading frame 68	Other
-6.918	ENSG00000180425	C11orf71	chromosome 11 open reading frame 71	Other
-7.268	ENSG00000166352	C11orf74	chromosome 11 open reading frame 74	Extracellular Space
-5.483	ENSG00000179088	C12orf42	chromosome 12 open reading frame 42	Other
-7.799	ENSG00000174206	C12orf66	chromosome 12 open reading frame 66	Plasma Membrane
-7.11	ENSG00000204954	C12orf73	chromosome 12 open reading frame 73	Other
-8.649	ENSG00000100802	C14orf93	chromosome 14 open reading frame 93	Other
-6.569	ENSG00000186073	C15orf41	chromosome 15 open reading frame 41	Other
-6.81	ENSG00000189227	C15orf61	chromosome 15 open reading frame 61	Other
-11.731	ENSG00000185905	C16orf54	chromosome 16 open reading frame 54	Extracellular Space
-10.331	ENSG00000125149	C16orf70	chromosome 16 open reading frame 70	Cytoplasm
-7.572	ENSG00000154102	C16orf74	chromosome 16 open reading frame 74	Other
-5.827	ENSG00000159761	C16orf86	chromosome 16 open reading frame 86	Other
-6.902	ENSG00000174109	C16orf91	chromosome 16 open reading frame 91	Other
-6.398	ENSG00000212719	C17orf51	chromosome 17 open reading frame 51	Other
-5.99	ENSG00000125319	C17orf53	chromosome 17 open reading frame 53	Other
-7.353	ENSG00000214226	C17orf67	chromosome 17 open reading frame 67	Other
-8.425	ENSG00000228300	C19orf24	chromosome 19 open reading frame 24	Other
-11.46	ENSG00000214212	C19orf38	chromosome 19 open reading frame 38	Other
-6.621	ENSG00000160392	C19orf47	chromosome 19 open reading frame 47	Nucleus
-5.883	ENSG00000183397	C19orf71	chromosome 19 open reading frame 71	Other
-8.448	ENSG00000171155	C1GALT1C1	C1GALT1 specific chaperone 1	Cytoplasm
-4.171	ENSG00000131591	C1orf159	chromosome 1 open reading frame 159	Other
-12.457	ENSG00000143110	C1orf162	chromosome 1 open reading frame 162	Other
-7.95	ENSG00000173372	C1QA	complement C1q A chain	Extracellular Space
-8.272	ENSG00000159189	C1QC	complement C1q C chain	Extracellular Space
-7.789	ENSG00000133466	C1QTNF6	C1q and TNF related 6	Extracellular Space
-10.143	ENSG00000205885	C1RL-AS1	C1RL antisense RNA 1	Other
-5.46	ENSG00000166278	C2	complement C2	Extracellular Space
-6.766	ENSG00000176659	C20orf197	chromosome 20 open reading frame 197	Other

-5.101	ENSG00000205930	C21orf62-AS1	C21orf62 antisense RNA 1	Other
-9.484	ENSG00000188511	C22orf34	chromosome 22 open reading frame 34	Other
-5.451	ENSG00000111731	C2CD5	C2 calcium dependent domain containing 5	Cytoplasm
-6.134	ENSG00000163009	C2orf48	chromosome 2 open reading frame 48	Other
-6.668	ENSG00000186132	C2orf76	chromosome 2 open reading frame 76	Other
-6.08	ENSG00000159239	C2orf81	chromosome 2 open reading frame 81	Other
-7.184	ENSG00000228486	C2orf92	chromosome 2 open reading frame 92	Other
-8.422	ENSG00000125730	C3	complement C3	Extracellular Space
-10.729	ENSG00000171860	C3AR1	complement C3a receptor 1	Plasma Membrane
-8.088	ENSG00000198590	C3orf35	chromosome 3 open reading frame 35	Other
-9.995	ENSG00000179021	C3orf38	chromosome 3 open reading frame 38	Nucleus
-6.001	ENSG00000225873	C3orf86	chromosome 3 open reading frame 86	Other
-9.246	ENSG00000151470	C4orf33	chromosome 4 open reading frame 33	Other
-7.699	ENSG00000243449	C4orf48	chromosome 4 open reading frame 48	Other
-12.532	ENSG00000197405	C5AR1	complement C5a receptor 1	Plasma Membrane
-7.646	ENSG00000134830	C5AR2	complement component 5a receptor 2	Plasma Membrane
-6.126	ENSG00000172244	C5orf34	chromosome 5 open reading frame 34	Other
-5.603	ENSG00000197536	C5orf56	chromosome 5 open reading frame 56	Other
-5.486	ENSG00000224186	C5orf66	chromosome 5 open reading frame 66	Other
-8.576	ENSG00000204564	C6orf136	chromosome 6 open reading frame 136	Cytoplasm
-8.297	ENSG00000203872	C6orf163	chromosome 6 open reading frame 163	Other
-5.92	ENSG00000156172	C8orf37	chromosome 8 open reading frame 37	Cytoplasm
-8.205	ENSG00000213865	C8orf44	chromosome 8 open reading frame 44	Nucleus
-7.065	ENSG00000241852	C8orf58	chromosome 8 open reading frame 58	Nucleus
-6.164	ENSG00000189376	C8orf76	chromosome 8 open reading frame 76	Other
-6.619	ENSG00000253250	C8orf88	chromosome 8 open reading frame 88	Other
-8.705	ENSG00000180539	C9orf139	chromosome 9 open reading frame 139	Other
-5.994	ENSG00000187753	C9orf153	chromosome 9 open reading frame 153	Other
-9.218	ENSG00000135045	C9orf40	chromosome 9 open reading frame 40	Other
-8.913	ENSG00000165118	C9orf64	chromosome 9 open reading frame 64	Other
-6.906	ENSG00000183784	C9orf66	chromosome 9 open reading frame 66	Other
-5.51	ENSG00000063180	CA11	carbonic anhydrase 11	Extracellular Space
-5.217	ENSG00000241527	CA15P1	CA15 pseudogene 1	Other
-7.459	ENSG00000167434	CA4	carbonic anhydrase 4	Plasma Membrane
-9.106	ENSG00000186312	CASBP1	carbonic anhydrase 5B pseudogene 1	Other
-5.722	ENSG00000178538	CA8	carbonic anhydrase 8	Cytoplasm
-7.383	ENSG00000175544	CABP4	calcium binding protein 4	Plasma Membrane
-5.785	ENSG00000102001	CACNA1F	calcium voltage-gated channel subunit alpha1 F	Plasma Membrane
-8.447	ENSG00000100346	CACNA1I	calcium voltage-gated channel subunit alpha1 I	Plasma Membrane
-5.222	ENSG00000007402	CACNA2D2	calcium voltage-gated channel auxiliary subunit alpha2delta 2	Plasma Membrane
-6.735	ENSG00000157445	CACNA2D3	calcium voltage-gated channel auxiliary subunit alpha2delta 3	Plasma Membrane
-9.409	ENSG00000151062	CACNA2D4	calcium voltage-gated channel auxiliary subunit alpha2delta 4	Plasma Membrane
-6.124	ENSG00000182389	CACNB4	calcium voltage-gated channel auxiliary subunit beta 4	Plasma Membrane
-5.903	ENSG00000142408	CACNG8	calcium voltage-gated channel auxiliary subunit gamma 8	Plasma Membrane
-4.75	ENSG00000105767	CADM4	cell adhesion molecule 4	Plasma Membrane
-5.423	ENSG00000270419	CAHM	colon adenocarcinoma hypermethylated	Other
-6.964	ENSG00000064989	CALCR1	calcitonin receptor like receptor	Plasma Membrane
-6.651	ENSG00000138172	CALHM2	calcium homeostasis modulator family member 2	Other
-9.57	ENSG00000188820	CALHM6	calcium homeostasis modulator family member 6	Other
-8.696	ENSG00000129007	CALML4	calmodulin like 4	Other
-5.41	ENSG00000183049	CAMK1D	calcium/calmodulin dependent protein kinase ID	Cytoplasm
-10.347	ENSG00000152495	CAMK4	calcium/calmodulin dependent protein kinase IV	Nucleus
-13.399	ENSG00000164047	CAMP	cathelicidin antimicrobial peptide	Cytoplasm
-7.765	ENSG00000259151	CAP2P1	cyclase associated actin cytoskeleton regulatory protein 2 pseudogene 1	Other
-12.033	ENSG00000042493	CAPG	capping actin protein, gelsolin like	Nucleus
-8.111	ENSG00000092529	CAPN3	calpain 3	Cytoplasm
-6.374	ENSG00000256812	CAPNS2	calpain small subunit 2	Cytoplasm
-6.248	ENSG00000180881	CAPS2	calcyphosine 2	Other
-1.865	ENSG00000116489	CAPZA1	capping actin protein of muscle Z-line subunit alpha 1	Cytoplasm
-11.446	ENSG00000198286	CARD11	caspase recruitment domain family member 11	Cytoplasm
-9.63	ENSG00000268001	CARD8-AS1	CARD8 antisense RNA 1	Other
-9.728	ENSG00000159753	CARMIL2	capping protein regulator and myosin 1 linker 2	Plasma Membrane
-7.431	ENSG00000186648	CARMIL3	capping protein regulator and myosin 1 linker 3	Plasma Membrane
-12.649	ENSG00000137752	CASP1	caspase 1	Cytoplasm
-7.683	ENSG00000235505	CASP17P	caspase 17, pseudogene	Other
-6.473	ENSG00000137757	CASP5	caspase 5	Cytoplasm
-7.535	ENSG00000138794	CASP6	caspase 6	Cytoplasm
-1.639	ENSG00000153113	CAST	calpastatin	Cytoplasm
-8.275	ENSG00000239521	CASTOR3	CASTOR family member 3	Other
-3.542	ENSG00000121691	CAT	catalase	Cytoplasm
-4.824	ENSG00000225062	CATIP-AS1	CATIP antisense RNA 1	Other
-5.842	ENSG00000205771	CATSPER2P1	cation channel sperm associated 2 pseudogene 1	Other
-6.628	ENSG00000179397	CATSPERE	catsper channel auxiliary subunit epsilon	Extracellular Space
-8.251	ENSG00000099338	CATSPERG	cation channel sperm associated auxiliary subunit gamma	Extracellular Space
-3.309	ENSG00000196873	CBWD3/CBWD6	COBW domain containing 3	Other
-5.739	ENSG00000266405	CBX3P2	chromobox 3 pseudogene 2	Other
-5.754	ENSG00000188649	CC2D2B	coiled-coil and C2 domain containing 2B	Other
-6.208	ENSG00000150636	CCDC102B	coiled-coil domain containing 102B	Extracellular Space
-6.522	ENSG00000173581	CCDC106	coiled-coil domain containing 106	Extracellular Space
-9.064	ENSG00000136710	CCDC115	coiled-coil domain containing 115	Cytoplasm
-3.155	ENSG00000159873	CCDC117	coiled-coil domain containing 117	Other
-8.949	ENSG00000163492	CCDC141	coiled-coil domain containing 141	Cytoplasm
-8.485	ENSG00000135637	CCDC142	coiled-coil domain containing 142	Other
-6.996	ENSG00000170160	CCDC144A	coiled-coil domain containing 144A	Other
-7.655	ENSG00000154898	CCDC144CP	coiled-coil domain containing 144C, pseudogene	Other
-8.878	ENSG00000135205	CCDC146	coiled-coil domain containing 146	Cytoplasm
-7.338	ENSG00000198865	CCDC152	coiled-coil domain containing 152	Other
-5.994	ENSG00000248712	CCDC153	coiled-coil domain containing 153	Other
-8.296	ENSG00000159588	CCDC17	coiled-coil domain containing 17	Other
-7.883	ENSG00000120262	CCDC170	coiled-coil domain containing 170	Extracellular Space
-6.545	ENSG00000197816	CCDC180	coiled-coil domain containing 180	Cytoplasm

-6.721	ENSG00000213213	CCDC183	coiled-coil domain containing 183	Other
-7.396	ENSG00000139537	CCDC65	coiled-coil domain containing 65	Other
-13.452	ENSG00000168071	CCDC888	coiled-coil domain containing 888	Nucleus
-6.22	ENSG00000173013	CCDC96	coiled-coil domain containing 96	Other
-6.011	ENSG00000185972	CCIN	calicin	Cytoplasm
-7.757	ENSG00000151882	CCL28	C-C motif chemokine ligand 28	Extracellular Space
-5.573	ENSG00000133101	CCNA1	cyclin A1	Nucleus
-12.714	ENSG00000118971	CCND2	cyclin D2	Nucleus
-7.054	ENSG00000105173	CCNE1	cyclin E1	Nucleus
-6.704	ENSG00000248283	CCNL2P1	cyclin L2 pseudogene 1	Other
-7.031	ENSG00000224043	CCNT2-AS1	CCNT2 antisense RNA 1	Other
-11.548	ENSG00000163823	CCR1	C-C motif chemokine receptor 1	Plasma Membrane
-12.149	ENSG00000121807	CCR2	C-C motif chemokine receptor 2	Plasma Membrane
-10.137	ENSG00000160791	CCR5	C-C motif chemokine receptor 5 (gene/pseudogene)	Plasma Membrane
-9.774	ENSG00000126353	CCR7	C-C motif chemokine receptor 7	Plasma Membrane
-7.157	ENSG00000132141	CCT6B	chaperonin containing TCP1 subunit 6B	Cytoplasm
-6.574	ENSG00000226015	CCT8P1	chaperonin containing TCP1 subunit 8 pseudogene 1	Other
-4.103	ENSG00000122674	CCZ1/CCZ1B	CCZ1 homolog B, vacuolar protein trafficking and biogenesis associated	Cytoplasm
-10.832	ENSG00000134256	CD101	CD101 molecule	Plasma Membrane
-13.281	ENSG00000170458	CD14	CD14 molecule	Plasma Membrane
-14.127	ENSG00000177575	CD163	CD163 molecule	Plasma Membrane
-6.504	ENSG00000177675	CD163L1	CD163 molecule like 1	Plasma Membrane
-11.025	ENSG00000204936	CD177	CD177 molecule	Cytoplasm
-9.182	ENSG00000134061	CD180	CD180 molecule	Plasma Membrane
-6.82	ENSG00000177455	CD19	CD19 molecule	Plasma Membrane
-5.961	ENSG00000158477	CD1A	CD1a molecule	Plasma Membrane
-8.091	ENSG00000158481	CD1C	CD1c molecule	Plasma Membrane
-11.162	ENSG00000158473	CD1D	CD1d molecule	Plasma Membrane
-11.081	ENSG00000116824	CD2	CD2 molecule	Plasma Membrane
-5.88	ENSG00000091972	CD200	CD200 molecule	Plasma Membrane
-7.787	ENSG00000163606	CD200R1	CD200 receptor 1	Plasma Membrane
-8.749	ENSG00000012124	CD22	CD22 molecule	Plasma Membrane
-11.915	ENSG00000198821	CD247	CD247 molecule	Plasma Membrane
-7.644	ENSG00000139193	CD27	CD27 molecule	Plasma Membrane
-7.627	ENSG00000215039	CD27-AS1	CD27 antisense RNA 1	Other
-12.331	ENSG00000167851	CD300A	CD300a molecule	Plasma Membrane
-9.528	ENSG00000167850	CD300C	CD300c molecule	Plasma Membrane
-13.872	ENSG00000186407	CD300E	CD300e molecule	Plasma Membrane
-10.212	ENSG00000178789	CD300LB	CD300 molecule like family member b	Plasma Membrane
-10.693	ENSG00000186074	CD300LF	CD300 molecule like family member f	Plasma Membrane
-12.436	ENSG00000241399	CD302	CD302 molecule	Plasma Membrane
-7.688	ENSG00000167775	CD320	CD320 molecule	Plasma Membrane
-11.62	ENSG00000105383	CD33	CD33 molecule	Plasma Membrane
-6.52	ENSG00000174059	CD34	CD34 molecule	Plasma Membrane
-12.821	ENSG00000104894	CD37	CD37 molecule	Plasma Membrane
-9.548	ENSG00000167286	CD3D	CD3d molecule	Plasma Membrane
-12.253	ENSG00000198851	CD3E	CD3e molecule	Plasma Membrane
-10.935	ENSG00000160654	CD3G	CD3g molecule	Plasma Membrane
-12.718	ENSG00000010610	CD4	CD4 molecule	Plasma Membrane
-8.272	ENSG00000101017	CD40	CD40 molecule	Plasma Membrane
-3.951	ENSG00000026508	CD44	CD44 molecule (Indian blood group)	Plasma Membrane
-12.866	ENSG00000117091	CD48	CD48 molecule	Plasma Membrane
-11.192	ENSG00000110448	CD5	CD5 molecule	Plasma Membrane
-11.423	ENSG00000169442	CD52	CD52 molecule	Plasma Membrane
-13.358	ENSG00000143119	CD53	CD53 molecule	Plasma Membrane
-6.369	ENSG00000129226	CD68	CD68 molecule	Plasma Membrane
-5.163	ENSG00000173762	CD7	CD7 molecule	Plasma Membrane
-8.17	ENSG00000137101	CD72	CD72 molecule	Plasma Membrane
-4.665	ENSG00000019582	CD74	CD74 molecule	Plasma Membrane
-8.756	ENSG00000105369	CD79A	CD79a molecule	Plasma Membrane
-8.56	ENSG00000007312	CD79B	CD79b molecule	Plasma Membrane
-8.36	ENSG00000112149	CD83	CD83 molecule	Plasma Membrane
-11.684	ENSG00000114013	CD86	CD86 molecule	Plasma Membrane
-10.867	ENSG00000153563	CD8A	CD8a molecule	Plasma Membrane
-9.358	ENSG00000172116	CD8B	CD8b molecule	Plasma Membrane
-13.648	ENSG00000125810	CD93	CD93 molecule	Plasma Membrane
-11.602	ENSG00000158825	CDA	cytidine deaminase	Nucleus
-9.632	ENSG00000102543	CDADC1	cytidine and dCMP deaminase domain containing 1	Other
-5.613	ENSG00000158402	CDC25C	cell division cycle 25C	Nucleus
-8.167	ENSG00000149798	CDC42EP2	CDC42 effector protein 2	Plasma Membrane
-4.844	ENSG00000097046	CD7	cell division cycle 7	Nucleus
-8.708	ENSG00000170779	CDC4A	cell division cycle associated 4	Nucleus
-6.576	ENSG00000146670	CDC45	cell division cycle associated 5	Cytoplasm
-10.309	ENSG00000107736	CDH23	cadherin related 23	Plasma Membrane
-6.479	ENSG00000124215	CDH26	cadherin 26	Plasma Membrane
-7.033	ENSG00000148600	CDHR1	cadherin related family member 1	Plasma Membrane
-5.769	ENSG00000074276	CDHR2	cadherin related family member 2	Plasma Membrane
-6.616	ENSG00000128536	CDHR3	cadherin related family member 3	Plasma Membrane
-7.046	ENSG00000008128	CDK11A	cyclin dependent kinase 11A	Nucleus
-9.462	ENSG00000129757	CDKN1C	cyclin dependent kinase inhibitor 1C	Nucleus
-7.151	ENSG00000147889	CDKN2A	cyclin dependent kinase inhibitor 2A	Nucleus
-7.556	ENSG00000237190	CDKN2AIPNL	CDKN2A interacting protein N-terminal like	Other
-8.239	ENSG00000123080	CDKN2C	cyclin dependent kinase inhibitor 2C	Nucleus
-6.689	ENSG00000205643	CDPF1	cysteine rich DPF motif domain containing 1	Extracellular Space
-11.39	ENSG00000079385	CEACAM1	carcinoembryonic antigen related cell adhesion molecule 1	Plasma Membrane
-6.749	ENSG00000186567	CEACAM19	carcinoembryonic antigen related cell adhesion molecule 19	Other
-9.817	ENSG00000007129	CEACAM21	carcinoembryonic antigen related cell adhesion molecule 21	Other
-9.824	ENSG00000170956	CEACAM3	carcinoembryonic antigen related cell adhesion molecule 3	Other
-10.321	ENSG00000105352	CEACAM4	carcinoembryonic antigen related cell adhesion molecule 4	Plasma Membrane
-11.545	ENSG00000086548	CEACAM6	carcinoembryonic antigen related cell adhesion molecule 6	Plasma Membrane
-13.585	ENSG00000124469	CEACAM8	carcinoembryonic antigen related cell adhesion molecule 8	Plasma Membrane

-6.618	ENSG00000245848	CEBPA	CCAAT enhancer binding protein alpha	Nucleus
-4.541	ENSG00000221869	CEBPD	CCAAT enhancer binding protein delta	Nucleus
-9.093	ENSG00000092067	CEBPE	CCAAT enhancer binding protein epsilon	Nucleus
-7.546	ENSG00000237438	CECR7	cat eye syndrome chromosome region, candidate 7	Other
-7.271	ENSG00000143126	CELSR2	cadherin EGF LAG seven-pass G-type receptor 2	Plasma Membrane
-5.466	ENSG00000205923	CEMP1	cementum protein 1	Other
-6.17	ENSG00000166582	CENPV	centromere protein V	Nucleus
-7.514	ENSG00000174007	CEP19	centrosomal protein 19	Cytoplasm
-8.109	ENSG00000106477	CEP41	centrosomal protein 41	Cytoplasm
-5.788	ENSG00000182923	CEP63	centrosomal protein 63	Cytoplasm
-8.302	ENSG00000101624	CEP76	centrosomal protein 76	Cytoplasm
-11.959	ENSG00000111860	CEP85L	centrosomal protein 85 like	Cytoplasm
-9.925	ENSG00000198848	CES1	carboxylesterase 1	Cytoplasm
-8.1	ENSG00000172824	CES4A	carboxylesterase 4A	Extracellular Space
-5.933	ENSG00000087237	CETP	cholesteryl ester transfer protein	Extracellular Space
-7.252	ENSG00000159079	CFAP298	cilia and flagella associated protein 298	Cytoplasm
-8.856	ENSG00000160226	CFAP410	cilia and flagella associated protein 410	Cytoplasm
-11.082	ENSG00000197766	CFD	complement factor D	Extracellular Space
-9.102	ENSG00000000971	CFH	complement factor H	Extracellular Space
-11.988	ENSG00000126759	CFP	complement factor properdin	Extracellular Space
-9.875	ENSG00000164430	CGAS	cyclic GMP-AMP synthase	Cytoplasm
-7.597	ENSG00000223804	CH17_472G232	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.536	ENSG00000250479	CHCHD10	coiled-coil-helix-coiled-coil-helix domain containing 10	Cytoplasm
-7.313	ENSG00000125611	CHCHD5	coiled-coil-helix-coiled-coil-helix domain containing 5	Other
-6.906	ENSG00000064886	CHI3L2	chitinase 3 like 2	Extracellular Space
-8.655	ENSG00000204116	CHIC1	cysteine rich hydrophobic domain 1	Plasma Membrane
-10.399	ENSG00000133063	CHIT1	chitinase 1	Extracellular Space
-5.947	ENSG00000205559	CHKB-DT	CHKB divergent transcript	Other
-6.655	ENSG00000128656	CHN1	chimerin 1	Cytoplasm
-8.334	ENSG00000233355	CHRM3-AS2	CHRM3 antisense RNA 2	Other
-5.906	ENSG00000180720	CHRM4	cholinergic receptor muscarinic 4	Plasma Membrane
-7.691	ENSG00000180767	CHST13	carbohydrate sulfotransferase 13	Cytoplasm
-8.419	ENSG00000169105	CHST14	carbohydrate sulfotransferase 14	Cytoplasm
-8.939	ENSG00000147119	CHST7	carbohydrate sulfotransferase 7	Cytoplasm
-11.266	ENSG00000136305	CIDEB	cell death inducing DFFA like effector b	Cytoplasm
-7.948	ENSG00000186162	CIDECP1	cell death inducing DFFA like effector c pseudogene 1	Other
-7.105	ENSG00000273192	CITF22_1A63	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.822	ENSG00000217555	CKLF	chemokine like factor	Extracellular Space
-5.977	ENSG00000247572	CKMT2-AS1	CKMT2 antisense RNA 1	Other
-6.392	ENSG00000173207	CKS1B	CDC28 protein kinase regulatory subunit 1B	Other
-1.479	ENSG00000163539	CLASP2	cytoplasmic linker associated protein 2	Cytoplasm
-9.03	ENSG00000105205	CLC	Charcot-Leyden crystal galectin	Cytoplasm
-7.042	ENSG00000160318	CLDN2	claudin domain containing 2	Other
-9.108	ENSG00000132514	CLEC10A	C-type lectin domain containing 10A	Plasma Membrane
-6.818	ENSG00000105472	CLEC11A	C-type lectin domain containing 11A	Extracellular Space
-12.99	ENSG00000172322	CLEC12A	C-type lectin domain family 12 member A	Plasma Membrane
-8.995	ENSG00000256660	CLEC12B	C-type lectin domain family 12 member B	Plasma Membrane
-6.367	ENSG00000187912	CLEC17A	C-type lectin domain containing 17A	Plasma Membrane
-5.761	ENSG00000150048	CLEC1A	C-type lectin domain family 1 member A	Plasma Membrane
-11.47	ENSG00000110852	CLEC2B	C-type lectin domain family 2 member B	Plasma Membrane
-11.184	ENSG00000069493	CLEC2D	C-type lectin domain family 2 member D	Plasma Membrane
-5.789	ENSG00000236279	CLEC2L	C-type lectin domain family 2 member L	Other
-9.259	ENSG00000111729	CLEC4A	C-type lectin domain family 4 member A	Plasma Membrane
-7.371	ENSG00000198178	CLEC4C	C-type lectin domain family 4 member C	Plasma Membrane
-10.916	ENSG00000166527	CLEC4D	C-type lectin domain family 4 member D	Plasma Membrane
-11.781	ENSG00000166523	CLEC4E	C-type lectin domain family 4 member E	Plasma Membrane
-10.371	ENSG00000258227	CLECSA	C-type lectin domain containing 5A	Plasma Membrane
-7.324	ENSG00000205846	CLEC6A	C-type lectin domain containing 6A	Plasma Membrane
-12.837	ENSG00000172243	CLEC7A	C-type lectin domain containing 7A	Plasma Membrane
-5.913	ENSG00000184293	CLECL1	C-type lectin like 1	Plasma Membrane
-6.923	ENSG00000169583	CLIC3	chloride intracellular channel 3	Nucleus
-6.063	ENSG00000112782	CLIC5	chloride intracellular channel 5	Cytoplasm
-8.172	ENSG00000188603	CLN3	CLN3 lysosomal/endosomal transmembrane protein, battenin	Cytoplasm
-9.282	ENSG00000172409	CLP1	cleavage and polyadenylation factor I subunit 1	Nucleus
-8.799	ENSG00000125656	CLPP	caseinolytic mitochondrial matrix peptidase proteolytic subunit	Cytoplasm
-10.832	ENSG00000070371	CLTCL1	clathrin heavy chain like 1	Plasma Membrane
-7.101	ENSG00000125246	CLYBL	citrate lyase beta like	Cytoplasm
-9.672	ENSG00000174600	CMKLR1	chemerin chemokine-like receptor 1	Plasma Membrane
-10.409	ENSG00000134326	CMPK2	cytidine/uridine monophosphate kinase 2	Cytoplasm
-6.407	ENSG00000089505	CMTM1	CKLF like MARVEL transmembrane domain containing 1	Other
-10.801	ENSG00000140931	CMTM3	CKLF like MARVEL transmembrane domain containing 3	Extracellular Space
-10.899	ENSG00000153551	CMTM7	CKLF like MARVEL transmembrane domain containing 7	Extracellular Space
-6.466	ENSG00000170293	CMTM8	CKLF like MARVEL transmembrane domain containing 8	Extracellular Space
-9.937	ENSG00000180917	CMTR2	cap methyltransferase 2	Other
-6.485	ENSG00000143786	CNIH3	cornichon family AMPA receptor auxiliary protein 3	Plasma Membrane
-5.965	ENSG00000213149	CNN2P9	calponin 2 pseudogene 9	Other
-6.583	ENSG00000273265	CNNM3-DT	CNNM3 divergent transcript	Other
-1.765	ENSG00000125107	CNOT1	CCR4-NOT transcription complex subunit 1	Cytoplasm
-1.734	ENSG00000138767	CNOT6L	CCR4-NOT transcription complex subunit 6 like	Cytoplasm
-2.884	ENSG00000155508	CNOT8	CCR4-NOT transcription complex subunit 8	Nucleus
-6.182	ENSG00000257727	CNPY2	canopy FGF signaling regulator 2	Plasma Membrane
-8.871	ENSG00000166997	CNPY4	canopy FGF signaling regulator 4	Other
-7.098	ENSG00000188822	CNR2	cannabinoid receptor 2	Plasma Membrane
-5.596	ENSG00000119865	CNRIP1	cannabinoid receptor interacting protein 1	Extracellular Space
-6.744	ENSG00000242689	CNTF	ciliary neurotrophic factor	Extracellular Space
-6.607	ENSG00000108797	CNTNAP1	contactin associated protein 1	Plasma Membrane
-7.855	ENSG00000106714	CNTNAP3	contactin associated protein like 3	Extracellular Space
-2.781	ENSG00000119397	CNTRL	centriolin	Nucleus
-6.534	ENSG00000231663	COA6-AS1	COA6 antisense RNA 1	Other
-9.042	ENSG00000168434	COG7	component of oligomeric golgi complex 7	Cytoplasm
-6.377	ENSG00000123500	COL10A1	collagen type X alpha 1 chain	Extracellular Space

-9.388	ENSG00000065618	COL17A1	collagen type XVII alpha 1 chain	Extracellular Space
-6.889	ENSG00000082293	COL19A1	collagen type XIX alpha 1 chain	Extracellular Space
-6.078	ENSG00000050767	COL23A1	collagen type XXIII alpha 1 chain	Plasma Membrane
-6.103	ENSG00000134871	COL4A2	collagen type IV alpha 2 chain	Extracellular Space
-5.816	ENSG00000081052	COL4A4	collagen type IV alpha 4 chain	Extracellular Space
-6.655	ENSG00000080573	COL5A3	collagen type V alpha 3 chain	Extracellular Space
-6.683	ENSG00000171812	COL8A2	collagen type VIII alpha 2 chain	Extracellular Space
-6.801	ENSG00000198756	COLGALT2	collagen beta(1-O)galactosyltransferase 2	Cytoplasm
-7.802	ENSG00000148444	COMMD3	COMM domain containing 3	Extracellular Space
-8.604	ENSG00000140365	COMMD4	COMM domain containing 4	Cytoplasm
-1.805	ENSG00000143207	COP1	COP1 E3 ubiquitin ligase	Cytoplasm
-8.046	ENSG00000172428	COP59	COP9 signalosome subunit 9	Nucleus
-7.393	ENSG00000135469	COQ10A	coenzyme Q10A	Cytoplasm
-5.849	ENSG00000103647	CORO2B	coronin 2B	Plasma Membrane
-10.354	ENSG00000262246	CORO7/CORO7-PAM16	coronin 7	Cytoplasm
-9.063	ENSG00000006695	COX10	cytochrome c oxidase assembly factor heme A:farnesyltransferase COX10	Cytoplasm
-7.569	ENSG00000236088	COX10-AS1	COX10 antisense RNA 1	Other
-7.067	ENSG00000133983	COX16	cytochrome c oxidase assembly factor COX16	Cytoplasm
-9.179	ENSG00000163626	COX18	cytochrome c oxidase assembly factor COX18	Cytoplasm
-9.451	ENSG00000178741	COX5A	cytochrome c oxidase subunit 5A	Cytoplasm
-5.527	ENSG00000236041	COX6CP18	cytochrome c oxidase subunit 6C pseudogene 18	Other
-7.036	ENSG00000176340	COX8A	cytochrome c oxidase subunit 8A	Cytoplasm
-8.216	ENSG00000163751	CPA3	carboxypeptidase A3	Extracellular Space
-5.448	ENSG00000132881	CPANE2	ciliogenesis and planar polarity effector 2	Cytoplasm
-10.344	ENSG00000135678	CPM	carboxypeptidase M	Plasma Membrane
-3.847	ENSG00000085719	CPNE3	copine 3	Cytoplasm
-13.191	ENSG00000106066	CPVL	carboxypeptidase vitellogenic like	Cytoplasm
-6.404	ENSG00000088882	CPXM1	carboxypeptidase X, M14 family member 1	Extracellular Space
-6.561	ENSG00000117322	CR2	complement C3d receptor 2	Plasma Membrane
-6.327	ENSG00000213145	CRIP1	cysteine rich protein 1	Cytoplasm
-7.975	ENSG00000109943	CRTAM	cytotoxic and regulatory T cell molecule	Plasma Membrane
-2.498	ENSG00000160741	CRTC2	CREB regulated transcription coactivator 2	Nucleus
-13.25	ENSG00000182578	CSF1R	colony stimulating factor 1 receptor	Plasma Membrane
-11.755	ENSG00000198223	CSF2RA	colony stimulating factor 2 receptor alpha subunit	Plasma Membrane
-12.419	ENSG00000100368	CSF2RB	colony stimulating factor 2 receptor beta common subunit	Plasma Membrane
-5.893	ENSG00000119535	CSF3R	colony stimulating factor 3 receptor	Plasma Membrane
-2.822	ENSG00000169826	CSGALNACT2	chondroitin sulfate N-acetylgalactosaminyltransferase 2	Cytoplasm
-8.011	ENSG00000204435	CSNK2B	casein kinase 2 beta	Cytoplasm
-10.176	ENSG00000121552	CSTA	cystatin A	Cytoplasm
-4.324	ENSG00000177613	CSTF2T	cleavage stimulation factor subunit 2 tau variant	Nucleus
-6.428	ENSG00000259891	CTA_204B42	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.924	ENSG00000273243	CTA_217C22	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.115	ENSG00000231466	CTA_246H311	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.973	ENSG00000226471	CTA_292E106	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.211	ENSG00000272858	CTA_292E108	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.517	ENSG00000260708	CTA_29F111	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.91	ENSG00000260188	CTA_331P31	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.598	ENSG00000272072	CTA_363E192	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.831	ENSG00000206028	CTA_373H77	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.012	ENSG00000272821	CTA_384D836	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.699	ENSG00000269653	CTB_102L57	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.802	ENSG00000272112	CTB_113P195	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.78	ENSG00000269292	CTB_12A173	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.413	ENSG00000250069	CTB_131B52	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-10.349	ENSG00000263264	CTB_133G61	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.116	ENSG00000272918	CTB_152G176	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.47	ENSG00000272219	CTB_181H171	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.46	ENSG00000262380	CTB_193M123	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.723	ENSG00000267317	CTB_25B1312	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.281	ENSG00000261596	CTB_31N193	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.154	ENSG00000266389	CTB_41I61	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.442	ENSG00000265975	CTB_41I62	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.561	ENSG00000269374	CTB_50E145	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.506	ENSG00000268734	CTB_61M72	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.75	ENSG00000270137	CTC_137K31	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.743	ENSG00000269246	CTC_246B1810	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.291	ENSG00000267598	CTC_250I146	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.151	ENSG00000197813	CTC_301O74	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.062	ENSG00000249637	CTC_329D12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.333	ENSG00000259436	CTC_378H222	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.526	ENSG00000205041	CTC_425O232	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.2	ENSG00000267904	CTC_429P95	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.562	ENSG00000268987	CTC_435M1010	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.169	ENSG00000268713	CTC_444N248	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.195	ENSG00000261770	CTC_459F41	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.049	ENSG00000269069	CTC_471F35	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.895	ENSG00000260160	CTC_471J12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.202	ENSG00000267174	CTC_510F124	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.172	ENSG00000267474	CTC_548K166	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.028	ENSG00000267419	CTC_559E96	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.133	ENSG00000249825	CTD-220I118.1	uncharacterized LOC101929215	Other
-5.58	ENSG00000269001	CTD-2245F17.3	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.059	ENSG00000269877	CTD-3022G6.1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.103	ENSG00000188897	CTD-3088G3.8	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.071	ENSG00000267274	CTD_2006C112	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.019	ENSG00000259804	CTD_2012K147	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.792	ENSG00000268362	CTD_2017D111	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.467	ENSG00000233175	CTD_2020K173	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.325	ENSG00000272144	CTD_2035E115	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.626	ENSG00000260774	CTD_2083E44	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.291	ENSG00000248791	CTD_2165H163	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other

-6.29	ENSG00000253558	CTD_2179L221	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.009	ENSG00000269693	CTD_2192J1620	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.571	ENSG00000269560	CTD_2192J1621	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.66	ENSG00000248734	CTD_2260A171	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.662	ENSG00000247121	CTD_2260A172	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.196	ENSG00000266208	CTD_2267D193	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.842	ENSG00000267655	CTD_2286N82	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.646	ENSG00000271918	CTD_2287O165	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.571	ENSG00000258768	CTD_2292M168	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.646	ENSG00000240729	CTD_2301A43	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.825	ENSG00000260361	CTD_2313J175	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.427	ENSG00000260269	CTD_2323K181	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.492	ENSG00000272234	CTD_2325A155	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.249	ENSG00000255182	CTD_2517M2214	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.382	ENSG00000254826	CTD_2530H122	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.429	ENSG00000267096	CTD_2537I913	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.548	ENSG00000267475	CTD_2538C12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.056	ENSG00000258875	CTD_2547L243	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.837	ENSG00000272909	CTD_2555O164	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.911	ENSG00000213976	CTD_2561J222	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.086	ENSG00000268520	CTD_2616J1110	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.56	ENSG00000268889	CTD_2616J1114	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.75	ENSG00000254760	CTD_2616J113	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.612	ENSG00000268049	CTD_2619J139	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.045	ENSG00000268670	CTD_2622I133	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.109	ENSG00000234773	CTD_2666L211	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.715	ENSG00000271959	CTD_3064M37	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.942	ENSG00000267990	CTD_3187F815	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.232	ENSG00000268204	CTD_3214H196	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.783	ENSG00000240808	CTD_3236F51	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.187	ENSG00000116761	CTH	cystathionine gamma-lyase	Cytoplasm
-8.751	ENSG00000163599	CTLA4	cytotoxic T-lymphocyte associated protein 4	Plasma Membrane
-3.355	ENSG00000117984	CTSD	cathepsin D	Cytoplasm
-8.373	ENSG00000196188	CTSE	cathepsin E	Cytoplasm
-10.684	ENSG00000100448	CTSG	cathepsin G	Cytoplasm
-14.823	ENSG00000163131	CTSS	cathepsin S	Cytoplasm
-7.022	ENSG00000174177	CTU2	cytosolic thiouridylase subunit 2	Cytoplasm
-8.534	ENSG00000107611	CUBN	cubilin	Plasma Membrane
-10.424	ENSG00000095485	CWF19L1	CWF19 like cell cycle control factor 1	Other
-12.607	ENSG00000168329	CX3CR1	C-X3-C motif chemokine receptor 1	Plasma Membrane
-8.95	ENSG00000163464	CXCR1	C-X-C motif chemokine receptor 1	Plasma Membrane
-10.129	ENSG00000180871	CXCR2	C-X-C motif chemokine receptor 2	Plasma Membrane
-8.22	ENSG00000186810	CXCR3	C-X-C motif chemokine receptor 3	Plasma Membrane
-7.473	ENSG00000160683	CXCR5	C-X-C motif chemokine receptor 5	Plasma Membrane
-6.262	ENSG00000172215	CXCR6	C-X-C motif chemokine receptor 6	Plasma Membrane
-9.408	ENSG00000120280	CXorf21	chromosome X open reading frame 21	Other
-8.015	ENSG00000204165	CXorf65	chromosome X open reading frame 65	Other
-7.76	ENSG00000114395	CYB561D2	cytochrome b561 family member D2	Cytoplasm
-4.929	ENSG00000271858	CYB561D2	cytochrome b561 family member D2	Cytoplasm
-7.181	ENSG00000215883	CYB5RL	cytochrome b5 reductase like	Nucleus
-15.962	ENSG00000165168	CYBB	cytochrome b-245 beta chain	Cytoplasm
-2.488	ENSG00000178927	CYBC1	cytochrome b-245 chaperone 1	Cytoplasm
-11.022	ENSG00000071967	CYBRD1	cytochrome b reductase 1	Cytoplasm
-4.841	ENSG00000055163	CYFIP2	cytoplasmic FMR1 interacting protein 2	Cytoplasm
-9.792	ENSG00000135929	CYP27A1	cytochrome P450 family 27 subfamily A member 1	Cytoplasm
-7.161	ENSG00000205702	CYP2D7	cytochrome P450 family 2 subfamily D member 7 (gene/pseudogene)	Other
-7.182	ENSG00000226450	CYP2D8P	cytochrome P450 family 2 subfamily D member 8, pseudogene	Other
-7.625	ENSG00000167600	CYP2S1	cytochrome P450 family 2 subfamily S member 1	Cytoplasm
-6.203	ENSG00000233622	CYP2T1P	cytochrome P450 family 2 subfamily T member 1, pseudogene	Other
-6.852	ENSG00000155016	CYP2U1	cytochrome P450 family 2 subfamily U member 1	Cytoplasm
-6.174	ENSG00000267241	CYP4F10P	cytochrome P450 family 4 subfamily F member 10, pseudogene	Other
-6.963	ENSG00000186204	CYP4F12	cytochrome P450 family 4 subfamily F member 12	Cytoplasm
-7.17	ENSG00000171954	CYP4F22	cytochrome P450 family 4 subfamily F member 22	Extracellular Space
-11.94	ENSG00000186529	CYP4F3	cytochrome P450 family 4 subfamily F member 3	Cytoplasm
-4.358	ENSG00000145476	CYP4V2	cytochrome P450 family 4 subfamily V member 2	Cytoplasm
-5.436	ENSG00000001630	CYP51A1	cytochrome P450 family 51 subfamily A member 1	Cytoplasm
-9.251	ENSG00000173198	CYSLTR1	cysteinyl leukotriene receptor 1	Plasma Membrane
-8.107	ENSG00000152207	CYSLTR2	cysteinyl leukotriene receptor 2	Plasma Membrane
-12.839	ENSG00000100055	CYTH4	cytohesin 4	Cytoplasm
-13.424	ENSG00000115165	CYTIIP	cytohesin 1 interacting protein	Cytoplasm
-7.653	ENSG00000166265	CYR1	cysteine and tyrosine rich 1	Other
-8.589	ENSG00000162384	CZIB	CXXC motif containing zinc binding protein	Cytoplasm
-8.859	ENSG00000146122	DAAM2	dishevelled associated activator of morphogenesis 2	Cytoplasm
-7.404	ENSG00000165617	DACT1	dishevelled binding antagonist of beta catenin 1	Cytoplasm
-8.201	ENSG00000226950	DANCR	differentiation antagonizing non-protein coding RNA	Other
-2.23	ENSG00000183283	DAZAP2	DAZ associated protein 2	Nucleus
-6.537	ENSG00000259378	DCAF13P3	DDB1 and CUL4 associated factor 13 pseudogene 3	Other
-4.423	ENSG00000119599	DCAF4	DDB1 and CUL4 associated factor 4	Nucleus
-8.058	ENSG00000164465	DCBLD1	discoidin, CUB and LCCL domain containing 1	Extracellular Space
-8.214	ENSG00000166341	DCHS1	dachsous cadherin-related 1	Plasma Membrane
-9.03	ENSG00000151065	DCP1B	decapping mRNA 1B	Cytoplasm
-8.032	ENSG00000110063	DCPS	decapping enzyme, scavenger	Nucleus
-6.806	ENSG00000203797	DDO	D-aspartate oxidase	Cytoplasm
-8.833	ENSG00000099977	DDT	D-dopachrome tautomerase	Cytoplasm
-6.044	ENSG00000236397	DDX11L2	DEAD/H-box helicase 11 like 2	Other
-8.063	ENSG00000214826	DDX12P	DEAD/H-box helicase 12, pseudogene	Other
-3.116	ENSG00000157349	DDX19B	DEAD-box helicase 19B	Nucleus
-6.859	ENSG00000080007	DDX43	DEAD-box helicase 43	Other
-7.5	ENSG00000229816	DDX50P1	DEAD-box helicase 50 pseudogene 1	Other
-6.912	ENSG00000181381	DDX60L	DEAD/H-box 60 like	Other
-9.926	ENSG00000177030	DEAF1	DEAF1 transcription factor	Nucleus

-6.282	ENSG00000242612	DECR2	2,4-dienoyl-CoA reductase 2	Cytoplasm
-7.431	ENSG0000023892	DEF6	DEF6 guanine nucleotide exchange factor	Extracellular Space
-13.491	ENSG00000239839	DEFA1 (includes others)	defensin alpha 1	Cytoplasm
-10.872	ENSG00000164821	DEFA4	defensin alpha 4	Extracellular Space
-7.301	ENSG00000223629	DEFA8P	defensin alpha 8, pseudogene	Other
-11.918	ENSG00000205744	DENN1C	DENN domain containing 1C	Cytoplasm
-7.849	ENSG00000035499	DEPDC1B	DEP domain containing 1B	Cytoplasm
-5.652	ENSG00000100150	DEPDC5	DEP domain containing 5	Cytoplasm
-6.951	ENSG00000099958	DERL3	derlin 3	Cytoplasm
-6.119	ENSG00000140543	DET1	DET1 partner of COP1 E3 ubiquitin ligase	Nucleus
-7.894	ENSG00000273311	DGCR11	DiGeorge syndrome critical region gene 11	Other
-6.715	ENSG00000183628	DGCR6	DiGeorge syndrome critical region gene 6	Nucleus
-8.585	ENSG00000128185	DGCR6L	DiGeorge syndrome critical region gene 6 like	Nucleus
-12.183	ENSG00000065357	DGKA	diacylglycerol kinase alpha	Cytoplasm
-9.421	ENSG00000228716	DHFR	dihydrofolate reductase	Nucleus
-8.949	ENSG00000157379	DHRS1	dehydrogenase/reductase 1	Cytoplasm
-8.631	ENSG00000157326	DHRS4	dehydrogenase/reductase 4	Cytoplasm
-8.538	ENSG00000073737	DHRS9	dehydrogenase/reductase 9	Cytoplasm
-9.098	ENSG00000169084	DHRSX	dehydrogenase/reductase X-linked	Extracellular Space
-1.582	ENSG00000174953	DHX36	DEAH-box helicase 36	Cytoplasm
-6.032	ENSG00000231672	DIRC3	disrupted in renal carcinoma 3	Other
-10.099	ENSG00000162946	DISC1	DISC1 scaffold protein	Cytoplasm
-6.32	ENSG00000226758	DISC1-IT1	DISC1 intronic transcript 1	Other
-7.039	ENSG00000154309	DISP1	dispatched RND transporter family member 1	Plasma Membrane
-5.855	ENSG00000228106	DISP1	dispatched RND transporter family member 1	Plasma Membrane
-7.558	ENSG0000008226	DLEC1	DLEC1 cilia and flagella associated protein	Cytoplasm
-7.185	ENSG00000186047	DLEU7	deleted in lymphocytic leukemia 7	Other
-6.984	ENSG00000262001	DLGAP1-AS2	DLGAP1 antisense RNA 2	Other
-6.64	ENSG00000116544	DLGAP3	DLG associated protein 3	Cytoplasm
-6.109	ENSG00000232907	DLGAP4-AS1	DLGAP4 antisense RNA 1	Other
-6.169	ENSG00000100206	DMC1	DNA meiotic recombinase 1	Nucleus
-1.591	ENSG00000135164	DMTF1	cyclin D binding myb like transcription factor 1	Nucleus
-8.82	ENSG00000138346	DNA2	DNA replication helicase/nuclease 2	Cytoplasm
-3.535	ENSG00000114841	DNAH1	dynein axonemal heavy chain 1	Extracellular Space
-8.404	ENSG00000197653	DNAH10	dynein axonemal heavy chain 10	Cytoplasm
-4.865	ENSG00000242049	DNAJB8-AS1	DNAJB8 antisense RNA 1	Other
-6.871	ENSG00000170464	DNAJC18	Dnaj heat shock protein family (Hsp40) member C18	Other
-7.178	ENSG00000225808	DNAJC19P5	Dnaj heat shock protein family (Hsp40) member C19 pseudogene 5	Other
-8.706	ENSG00000170946	DNAJC24	Dnaj heat shock protein family (Hsp40) member C24	Other
-6.294	ENSG00000247400	DNAJC3-DT	DNAJC3 divergent transcript	Other
-4.165	ENSG00000182397	DNM1P46	dynamin 1 pseudogene 46	Other
-6.548	ENSG00000259660	DNM1P47	dynamin 1 pseudogene 47	Other
-13.972	ENSG00000134516	DOCK2	dedicator of cytokinesis 2	Cytoplasm
-7.428	ENSG00000088538	DOCK3	dedicator of cytokinesis 3	Cytoplasm
-5.649	ENSG00000107099	DOCK8	dedicator of cytokinesis 8	Cytoplasm
-8.122	ENSG00000159147	DONSON	downstream neighbor of SON	Extracellular Space
-5.308	ENSG00000141096	DPEP3	dipeptidase 3	Other
-8.606	ENSG00000108963	DPH1	diphthamide biosynthesis 1	Cytoplasm
-3.267	ENSG00000148399	DPH7	diphthamide biosynthesis 7	Cytoplasm
-6.352	ENSG00000121570	DPPA4	developmental pluripotency associated 4	Nucleus
-7.64	ENSG00000264743	DPRX4	divergent-paired related homeobox pseudogene 4	Other
-6.882	ENSG00000170629	DPY19L2P2	DPY19L2 pseudogene 2	Other
-8.426	ENSG00000162961	DPY30	dpy-30 histone methyltransferase complex regulatory subunit	Nucleus
-3.759	ENSG00000188641	DPYD	dihydropyrimidine dehydrogenase	Cytoplasm
-5.472	ENSG00000232542	DPYD-IT1	DPYD intronic transcript 1	Other
-4.106	ENSG00000092964	DPYSL2	dihydropyrimidinase like 2	Cytoplasm
-7.551	ENSG00000162490	DRAXIN	dorsal inhibitory axon guidance protein	Extracellular Space
-5.842	ENSG00000134765	DSC1	desmocollin 1	Plasma Membrane
-6.659	ENSG00000136982	DSCC1	DNA replication and sister chromatid cohesion 1	Nucleus
-7.4	ENSG00000129480	DTD2	D-tyrosyl-tRNA deacylase 2 (putative)	Other
-9.356	ENSG00000197057	DTHD1	death domain containing 1	Other
-8.13	ENSG00000143476	DTL	denticleless E3 ubiquitin protein ligase homolog	Nucleus
-5.843	ENSG00000135144	DTX1	deltex E3 ubiquitin ligase 1	Nucleus
-7.862	ENSG00000186704	DTX2P1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.466	ENSG00000168393	DTYMK	deoxythymidylate kinase	Cytoplasm
-8.387	ENSG00000105865	DUS4L	dihydrouridine synthase 4 like	Other
-5.609	ENSG00000144048	DUSP11	dual specificity phosphatase 11	Nucleus
-8.699	ENSG00000081721	DUSP12	dual specificity phosphatase 12	Nucleus
-8.357	ENSG00000188542	DUSP28	dual specificity phosphatase 28	Other
-4.245	ENSG00000004975	DVL2	dishevelled segment polarity protein 2	Cytoplasm
-7.695	ENSG00000204348	DXO	decapping exoribonuclease	Nucleus
-5.927	ENSG00000138036	DYNC2L1	dynein cytoplasmic 2 light intermediate chain 1	Cytoplasm
-8.337	ENSG0000010219	DYRK4	dual specificity tyrosine phosphorylation regulated kinase 4	Nucleus
-5.372	ENSG00000198919	DZIP3	DAZ interacting zinc finger protein 3	Cytoplasm
-5.859	ENSG00000224707	E2F3-IT1	E2F3 intronic transcript 1	Other
-6.546	ENSG00000165891	E2F7	E2F transcription factor 7	Nucleus
-8.227	ENSG00000129173	E2F8	E2F transcription factor 8	Nucleus
-6.464	ENSG00000164330	EBF1	EBF transcription factor 1	Nucleus
-7.957	ENSG00000255423	EBLN2	endogenous Bornavirus like nucleoprotein 2	Other
-6.695	ENSG00000093144	ECHDC1	ethylmalonyl-CoA decarboxylase 1	Cytoplasm
-6.273	ENSG00000135960	EDAR	ectodysplasin A receptor	Plasma Membrane
-10.415	ENSG00000088298	EDEM2	ER degradation enhancing alpha-mannosidase like protein 2	Cytoplasm
-2.011	ENSG00000156508	EEF1A1	eukaryotic translation elongation factor 1 alpha 1	Cytoplasm
-5.71	ENSG00000237757	EEF1A1P30	eukaryotic translation elongation factor 1 alpha 1 pseudogene 30	Other
-2.546	ENSG00000196205	EEF1A1P5	eukaryotic translation elongation factor 1 alpha 1 pseudogene 5	Extracellular Space
-4.263	ENSG00000233476	EEF1A1P6	eukaryotic translation elongation factor 1 alpha 1 pseudogene 6	Other
-5.851	ENSG00000123427	EEF1AKMT3	EEF1A lysine methyltransferase 3	Cytoplasm
-5.444	ENSG00000226721	EEF1DP2	eukaryotic translation elongation factor 1 delta pseudogene 2	Other
-9.071	ENSG00000229715	EEF1DP3	eukaryotic translation elongation factor 1 delta pseudogene 3	Other
-8.323	ENSG00000263883	EEF1DP7	eukaryotic translation elongation factor 1 delta pseudogene 7	Other
-7.321	ENSG00000124802	EEF1E1	eukaryotic translation elongation factor 1 epsilon 1	Cytoplasm

-6.063	ENSG00000140025	EFCAB11	EF-hand calcium binding domain 11	Other
-2.169	ENSG00000159658	EFCAB14	EF-hand calcium binding domain 14	Other
-5.981	ENSG00000176927	EFCAB5	EF-hand calcium binding domain 5	Other
-7.045	ENSG00000203965	EFCAB7	EF-hand calcium binding domain 7	Extracellular Space
-5.835	ENSG00000215529	EFCAB8	EF-hand calcium binding domain 8	Other
-6.954	ENSG00000172638	EFEMP2	EGF containing fibulin extracellular matrix protein 2	Extracellular Space
-7.454	ENSG00000096093	EFHC1	EF-hand domain containing 1	Cytoplasm
-2.816	ENSG00000132294	EFR3A	EFR3 homolog A	Plasma Membrane
-2.41	ENSG00000173442	EHPB1L1	EH domain binding protein 1 like 1	Other
-5.894	ENSG00000176401	EID2B	EP300 interacting inhibitor of differentiation 2B	Nucleus
-4.123	ENSG00000144895	EIF2A	eukaryotic translation initiation factor 2A	Cytoplasm
-6.304	ENSG00000234028	EIF2AK3-DT	EIF2AK3 divergent transcript	Other
-3.31	ENSG00000180574	EIF2S3B	eukaryotic translation initiation factor 2 subunit gamma B	Other
-7.97	ENSG00000179523	EIF3J-DT	EIF3J divergent transcript	Other
-10.044	ENSG00000161960	EIF4A1	eukaryotic translation initiation factor 4A1	Cytoplasm
-2.9	ENSG00000197258	EIF4BP6	eukaryotic translation initiation factor 4B pseudogene 6	Other
-5.38	ENSG00000224885	EIPR1-IT1	EIPR1 intronic transcript 1	Other
-11.26	ENSG00000197561	ELANE	elastase, neutrophil expressed	Extracellular Space
-7.237	ENSG00000102890	ELMO3	engulfment and cell motility 3	Cytoplasm
-9.127	ENSG00000115459	ELMOD3	ELMO domain containing 3	Other
-5.998	ENSG00000236810	ELOA-AS1	ELOA antisense RNA 1	Other
-9.147	ENSG00000170291	ELP5	elongator acetyltransferase complex subunit 5	Cytoplasm
-4.608	ENSG00000170571	EMB	embigin	Plasma Membrane
-7.021	ENSG00000231752	EMBP1	embigin pseudogene 1	Other
-6.589	ENSG00000230424	EMC1-AS1	EMC1 antisense RNA 1	Other
-8.277	ENSG00000180385	EMC3-AS1	EMC3 antisense RNA 1	Other
-9.659	ENSG00000127774	EMC6	ER membrane protein complex subunit 6	Cytoplasm
-9.474	ENSG00000131148	EMC8	ER membrane protein complex subunit 8	Cytoplasm
-5.504	ENSG00000100908	EMC9	ER membrane protein complex subunit 9	Plasma Membrane
-4.437	ENSG00000154920	EME1	essential meiotic structure-specific endonuclease 1	Nucleus
-6.096	ENSG00000186998	EMID1	EMI domain containing 1	Extracellular Space
-13.619	ENSG00000132205	EMILIN2	elastin microfibril interfacier 2	Extracellular Space
-10.819	ENSG00000149499	EML3	EMAP like 3	Other
-8.015	ENSG00000165521	EML5	EMAP like 5	Cytoplasm
-7.166	ENSG00000173818	ENDOV	endonuclease V	Cytoplasm
-9.591	ENSG00000106991	ENG	endoglin	Plasma Membrane
-7.935	ENSG00000124074	ENKD1	enkurin domain containing 1	Cytoplasm
-4.676	ENSG00000154269	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	Plasma Membrane
-6.259	ENSG00000112796	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative)	Extracellular Space
-12.578	ENSG00000138185	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	Plasma Membrane
-5.831	ENSG00000223797	ENTPD3-AS1	ENTPD3 antisense RNA 1	Other
-2.381	ENSG00000197217	ENTPD4	ectonucleoside triphosphate diphosphohydrolase 4	Cytoplasm
-9.609	ENSG00000163508	EOMES	eomesodermin	Nucleus
-8.718	ENSG00000129595	EPB41L4A	erythrocyte membrane protein band 4.1 like 4A	Extracellular Space
-7.379	ENSG00000229153	EPHA1-AS1	EPHA1 antisense RNA 1	Other
-5.877	ENSG00000154928	EPHB1	EPH receptor B1	Plasma Membrane
-9.139	ENSG00000104884	ERCC2	ERCC excision repair 2, TFIIH core complex helicase subunit	Nucleus
-5.764	ENSG00000186871	ERCC6L	ERCC excision repair 6 like, spindle assembly checkpoint helicase	Nucleus
-6.262	ENSG00000178752	ERFE	erythroferrone	Extracellular Space
-10.297	ENSG00000157554	ERG	ETS transcription factor ERG	Nucleus
-7.651	ENSG00000133935	ERG28	ergosterol biosynthesis 28 homolog	Cytoplasm
-8.752	ENSG00000136541	ERMN	ermin	Extracellular Space
-9.081	ENSG00000139055	ERP27	endoplasmic reticulum protein 27	Other
-6.435	ENSG00000171320	ESCO2	establishment of sister chromatid cohesion N-acetyltransferase 2	Nucleus
-5.866	ENSG00000164283	ESM1	endothelial cell specific molecule 1	Extracellular Space
-7.86	ENSG00000135476	ESPL1	extra spindle pole bodies like 1, separate	Nucleus
-6.449	ENSG00000091831	ESR1	estrogen receptor 1	Nucleus
-6.64	ENSG00000139160	ETFBKMT	electron transfer flavoprotein subunit beta lysine methyltransferase	Cytoplasm
-6.679	ENSG00000134954	ETS1	ETS proto-oncogene 1, transcription factor	Nucleus
-8.458	ENSG00000166979	EVA1C	eva-1 homolog C	Other
-6.538	ENSG00000173040	EVC2	Evc ciliary complex subunit 2	Extracellular Space
-10.88	ENSG00000126860	EVI2A	ecotropic viral integration site 2A	Plasma Membrane
-14.234	ENSG00000185862	EVI2B	ecotropic viral integration site 2B	Plasma Membrane
-6.778	ENSG00000174371	EXO1	exonuclease 1	Nucleus
-4.674	ENSG00000179044	EXOC3L1	exocyst complex component 3 like 1	Cytoplasm
-9.323	ENSG00000171311	EXOSC1	exosome component 1	Nucleus
-9.175	ENSG00000107371	EXOSC3	exosome component 3	Nucleus
-7.49	ENSG00000077348	EXOSC5	exosome component 5	Nucleus
-8.488	ENSG00000123737	EXOSC9	exosome component 9	Nucleus
-7.305	ENSG00000162694	EXTL2	exostosin like glycosyltransferase 2	Cytoplasm
-6.479	ENSG00000012232	EXTL3	exostosin like glycosyltransferase 3	Cytoplasm
-6.07	ENSG00000131187	F12	coagulation factor XII	Extracellular Space
-7.206	ENSG00000232022	FAAHP1	fatty acid amide hydrolase pseudogene 1	Other
-5.512	ENSG00000131944	FAAP24	FA core complex associated protein 24	Nucleus
-8.289	ENSG00000182518	FAM104B	family with sequence similarity 104 member B	Other
-6.754	ENSG00000273018	FAM106A	family with sequence similarity 106 member A	Other
-6.973	ENSG00000245571	FAM111A-DT	FAM111A divergent transcript	Other
-9.474	ENSG00000167483	FAM129C	family with sequence similarity 129 member C	Other
-7.087	ENSG00000182230	FAM153A/FAM153B	family with sequence similarity 153 member B	Other
-7.213	ENSG00000170074	FAM153A/FAM153B	family with sequence similarity 153 member B	Other
-6.097	ENSG00000179304	FAM156A/FAM156B	family with sequence similarity 156 member A	Nucleus
-7.853	ENSG00000233013	FAM157A/FAM157B	family with sequence similarity 157 member A	Other
-7.613	ENSG00000236438	FAM157A/FAM157B	family with sequence similarity 157 member A	Other
-9.496	ENSG00000158863	FAM160B2	family with sequence similarity 160 member B2	Other
-7.202	ENSG00000156050	FAM161B	FAM161 centrosomal protein B	Cytoplasm
-5.491	ENSG00000144369	FAM171B	family with sequence similarity 171 member B	Other
-5.797	ENSG00000214439	FAM185B	family with sequence similarity 185, member A pseudogene	Other
-7.938	ENSG00000248429	FAM198B-AS1	FAM198B antisense RNA 1	Other
-5.176	ENSG00000237765	FAM200B	family with sequence similarity 200 member B	Other
-5.424	ENSG00000204860	FAM201A	family with sequence similarity 201 member A	Other
-5.709	ENSG00000124103	FAM209A	family with sequence similarity 209 member A	Other

-8.349	ENSG00000108950	FAM20A	FAM20A golgi associated secretory pathway pseudokinase	Extracellular Space
-7.716	ENSG00000204856	FAM216A	family with sequence similarity 216 member A	Other
-7.173	ENSG00000178397	FAM220A	family with sequence similarity 220 member A	Nucleus
-7.697	ENSG00000233261	FAM238A	family with sequence similarity 238 member A	Other
-4.79	ENSG00000221930	FAM45BP	family with sequence similarity 45, member A pseudogene	Other
-4.131	ENSG00000153310	FAM49B	family with sequence similarity 49 member B	Extracellular Space
-4.419	ENSG00000189319	FAM53B	family with sequence similarity 53 member B	Nucleus
-6.394	ENSG00000196550	FAM72A	family with sequence similarity 72 member A	Cytoplasm
-6.157	ENSG00000188610	FAM72B	family with sequence similarity 72 member B	Cytoplasm
-5.986	ENSG0000009780	FAM76A	family with sequence similarity 76 member A	Nucleus
-7.445	ENSG00000147689	FAM83A	family with sequence similarity 83 member A	Other
-5.331	ENSG00000105523	FAM83E	family with sequence similarity 83 member E	Other
-5.757	ENSG00000173295	FAM86B3P	family with sequence similarity 86, member A pseudogene	Other
-6.936	ENSG00000244026	FAM86DP	family with sequence similarity 86 member D, pseudogene	Other
-7.424	ENSG00000182118	FAM89A	family with sequence similarity 89 member A	Other
-7.501	ENSG00000176973	FAM89B	family with sequence similarity 89 member B	Cytoplasm
-5.721	ENSG00000188343	FAM92A	family with sequence similarity 92 member A	Cytoplasm
-9.262	ENSG00000187741	FANCA	FA complementation group A	Nucleus
-9.845	ENSG00000144554	FANCD2	FA complementation group D2	Nucleus
-7.167	ENSG00000112039	FANCE	FA complementation group E	Nucleus
-7.797	ENSG00000254791	FAR1-IT1	FAR1 intronic transcript 1	Other
-10.214	ENSG00000026103	FAS	Fas cell surface death receptor	Plasma Membrane
-8.065	ENSG00000117560	FASLG	Fas ligand	Extracellular Space
-9.268	ENSG00000138399	FASTKD1	FAST kinase domains 1	Cytoplasm
-7.874	ENSG00000124279	FASTKD3	FAST kinase domains 3	Cytoplasm
-6.971	ENSG00000188878	FBF1	Fas binding factor 1	Nucleus
-7.442	ENSG00000140092	FBLN5	fibulin 5	Extracellular Space
-10.305	ENSG00000166147	FBN1	fibrillin 1	Extracellular Space
-8.891	ENSG00000127452	FBXL12	F-box and leucine rich repeat protein 12	Cytoplasm
-2.467	ENSG00000118564	FBXL5	F-box and leucine rich repeat protein 5	Cytoplasm
-8.871	ENSG00000151876	FBXO4	F-box protein 4	Nucleus
-5.297	ENSG00000156509	FBXO43	F-box protein 43	Nucleus
-8.726	ENSG00000132879	FBXO44	F-box protein 44	Cytoplasm
-9.136	ENSG00000112029	FBXO5	F-box protein 5	Nucleus
-8.781	ENSG00000116663	FBXO6	F-box protein 6	Cytoplasm
-6.207	ENSG00000230701	FBXW4P1	F-box and WD repeat domain containing 4 pseudogene 1	Other
-11.568	ENSG00000186431	FCAR	Fc fragment of IgA receptor	Plasma Membrane
-8.528	ENSG00000179639	FCER1A	Fc fragment of IgE receptor Ia	Plasma Membrane
-7.606	ENSG00000104921	FCER2	Fc fragment of IgE receptor II	Plasma Membrane
-6.357	ENSG00000228638	FCF1P2	FCF1 pseudogene 2	Other
-9.659	ENSG00000150337	FCGR1A	Fc fragment of IgG receptor Ia	Plasma Membrane
-7.651	ENSG00000198019	FCGR1B	Fc fragment of IgG receptor Ib	Plasma Membrane
-7.713	ENSG00000072694	FCGR2B	Fc fragment of IgG receptor IIb	Plasma Membrane
-9.883	ENSG00000244682	FCGR2C	Fc fragment of IgG receptor IIc (gene/pseudogene)	Plasma Membrane
-10.504	ENSG00000162747	FCGR3A/FCGR3B	Fc fragment of IgG receptor IIIa	Plasma Membrane
-5.941	ENSG00000203747	FCGR3A/FCGR3B	Fc fragment of IgG receptor IIIa	Plasma Membrane
-12.387	ENSG00000104870	FCGR7	Fc fragment of IgG receptor and transporter	Plasma Membrane
-10.994	ENSG00000130475	FCHO1	FCH domain only 1	Plasma Membrane
-11.03	ENSG00000162894	FCMR	Fc fragment of IgM receptor	Plasma Membrane
-16.373	ENSG00000085265	FCN1	ficolin 1	Extracellular Space
-7.577	ENSG00000163534	FCRL1	Fc receptor like 1	Plasma Membrane
-7.7	ENSG00000132704	FCRL2	Fc receptor like 2	Plasma Membrane
-10.184	ENSG00000160856	FCRL3	Fc receptor like 3	Plasma Membrane
-7.008	ENSG00000143297	FCRL5	Fc receptor like 5	Plasma Membrane
-10.531	ENSG00000181036	FCRL6	Fc receptor like 6	Plasma Membrane
-6.298	ENSG00000132185	FCRLA	Fc receptor like A	Plasma Membrane
-5.279	ENSG00000258872	FDPSP3	farnesyl diphosphate synthase pseudogene 3	Other
-5.689	ENSG00000255561	FDXACB1	ferredoxin-fold anticodon binding domain containing 1	Other
-7.447	ENSG00000149557	FEZ1	fasciculation and elongation protein zeta 1	Cytoplasm
-7.669	ENSG00000126262	FFAR2	free fatty acid receptor 2	Plasma Membrane
-11.128	ENSG00000137441	FGFBP2	fibroblast growth factor binding protein 2	Extracellular Space
-7.245	ENSG00000174721	FGFBP3	fibroblast growth factor binding protein 3	Extracellular Space
-9.896	ENSG00000077782	FGFR1	fibroblast growth factor receptor 1	Plasma Membrane
-5.916	ENSG00000127951	FGL2	fibrinogen like 2	Extracellular Space
-13.771	ENSG00000000938	FGR	FGR proto-oncogene, Src family tyrosine kinase	Nucleus
-6.162	ENSG00000142621	FHAD1	forkhead associated phosphopeptide binding domain 1	Other
-7.376	ENSG00000189283	FHIT	fragile histidine triad	Cytoplasm
-9.883	ENSG00000172500	FIBP	FGF1 intracellular binding protein	Nucleus
-7.859	ENSG00000198855	FICD	FIC domain containing	Nucleus
-2.16	ENSG00000119321	FKBP15	FKBP prolyl isomerase 15	Plasma Membrane
-8.49	ENSG00000181027	FKRP	fukutin related protein	Cytoplasm
-7.005	ENSG00000204584	FLJ45513	uncharacterized LOC729220	Other
-10.856	ENSG00000122025	FLT3	fms related tyrosine kinase 3	Plasma Membrane
-6.1	ENSG00000090554	FLT3LG	fms related tyrosine kinase 3 ligand	Extracellular Space
-6.828	ENSG00000037280	FLT4	fms related tyrosine kinase 4	Plasma Membrane
-6.994	ENSG00000198468	FLVCR1-DT	FLVCR1 divergent transcript	Other
-7.196	ENSG00000162076	FLYWCH2	FLYWCH family member 2	Other
-6.784	ENSG00000184922	FMNL1	formin like 1	Cytoplasm
-6.924	ENSG00000076258	FMO4	flavin containing monooxygenase 4	Cytoplasm
-3.12	ENSG00000187239	FNBP1	formin binding protein 1	Nucleus
-7.245	ENSG00000228594	FNDC10	fibronectin type III domain containing 10	Other
-7.105	ENSG00000165457	FOLR2	folate receptor beta	Plasma Membrane
-9.114	ENSG00000110203	FOLR3	folate receptor 3	Extracellular Space
-6.596	ENSG00000186564	FOXD2	forkhead box D2	Nucleus
-7.351	ENSG00000237424	FOXD2-AS1	FOXD2 adjacent opposite strand RNA 1	Other
-2.092	ENSG00000053254	FOXN3	forkhead box N3	Nucleus
-7.388	ENSG00000049768	FOXP3	forkhead box P3	Nucleus
-12.663	ENSG00000171051	FPR1	formyl peptide receptor 1	Plasma Membrane
-10.919	ENSG00000171049	FPR2	formyl peptide receptor 2	Plasma Membrane
-10.617	ENSG00000165879	FRAT1	FRAT regulator of WNT signaling pathway 1	Cytoplasm
-6.927	ENSG00000181274	FRAT2	FRAT regulator of WNT signaling pathway 2	Cytoplasm

-9.767	ENSG00000109536	FRG1	FSHD region gene 1	Nucleus
-7.314	ENSG00000156869	FRRS1	ferric chelate reductase 1	Plasma Membrane
-7.322	ENSG00000137218	FRS3	fibroblast growth factor receptor substrate 3	Plasma Membrane
-7.83	ENSG00000070404	FSTL3	folliculin like 3	Extracellular Space
-3.028	ENSG00000227376	FTH1P16	ferritin heavy chain 1 pseudogene 16	Other
-7.501	ENSG00000225079	FTH1P22	ferritin heavy chain 1 pseudogene 22	Other
-2.965	ENSG00000087086	FTL	ferritin light chain	Cytoplasm
-4.528	ENSG00000226608	FTLP3	ferritin light chain pseudogene 3	Other
-7.953	ENSG00000148803	FUOM	fucose mutarotase	Cytoplasm
-8.131	ENSG00000172728	FUT10	fucosyltransferase 10	Cytoplasm
-10.608	ENSG00000196968	FUT11	fucosyltransferase 11	Cytoplasm
-10.735	ENSG00000196371	FUT4	fucosyltransferase 4	Cytoplasm
-7.768	ENSG00000180549	FUT7	fucosyltransferase 7	Cytoplasm
-7.525	ENSG00000010361	FUZ	fuzzy planar cell polarity protein	Plasma Membrane
-3.041	ENSG00000129245	FXR2	FMR1 autosomal homolog 2	Cytoplasm
-7.555	ENSG00000137726	FXYD6	FXYD domain containing ion transport regulator 6	Plasma Membrane
-6.445	ENSG00000221946	FXYD7	FXYD domain containing ion transport regulator 7	Plasma Membrane
-7.027	ENSG00000180340	FZD2	frizzled class receptor 2	Plasma Membrane
-8.331	ENSG00000123689	G0S2	G0/G1 switch 2	Cytoplasm
-9.246	ENSG00000141349	G6PC3	glucose-6-phosphatase catalytic subunit 3	Cytoplasm
-5.465	ENSG00000111886	GABRR2	gamma-aminobutyric acid type A receptor rho2 subunit	Plasma Membrane
-7.111	ENSG00000119514	GALNT12	polypeptide N-acetylgalactosaminyltransferase 12	Cytoplasm
-7.486	ENSG00000158089	GALNT14	polypeptide N-acetylgalactosaminyltransferase 14	Cytoplasm
-7.9	ENSG00000136542	GALNT5	polypeptide N-acetylgalactosaminyltransferase 5	Cytoplasm
-10.028	ENSG00000139629	GALNT6	polypeptide N-acetylgalactosaminyltransferase 6	Cytoplasm
-5.596	ENSG00000213930	GALT	galactose-1-phosphate uridylyltransferase	Cytoplasm
-5.657	ENSG00000130005	GAMT	guanidinoacetate N-methyltransferase	Cytoplasm
-11.284	ENSG00000175857	GAPT	GRB2 binding adaptor protein, transmembrane	Other
-7.213	ENSG00000109534	GAR1	GAR1 ribonucleoprotein	Nucleus
-6.179	ENSG00000157833	GAREM2	GRB2 associated regulator of MAPK1 subtype 2	Cytoplasm
-8.138	ENSG00000183087	GAS6	growth arrest specific 6	Extracellular Space
-7.043	ENSG00000233695	GAS6-AS1	GAS6 antisense RNA 1	Other
-6.296	ENSG00000007237	GAS7	growth arrest specific 7	Cytoplasm
-9.821	ENSG00000107485	GATA3	GATA binding protein 3	Nucleus
-5.184	ENSG00000059691	GATB	glutamyl-tRNA amidotransferase subunit B	Cytoplasm
-10.607	ENSG00000177628	GBA	glucosylceramidase beta	Cytoplasm
-5.874	ENSG00000160766	GBAP1	glucosylceramidase beta pseudogene 1	Other
-6.381	ENSG00000148288	GBGT1	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group)	Other
-4.491	ENSG00000117228	GBP1	guanylate binding protein 1	Cytoplasm
-13.247	ENSG00000115271	GCA	granulysin	Cytoplasm
-8.375	ENSG00000105607	GCDH	glutaryl-CoA dehydrogenase	Cytoplasm
-6.881	ENSG00000137880	GCHFR	GTP cyclohydrolase I feedback regulator	Cytoplasm
-5.638	ENSG00000176928	GCNT4	glucosaminyl (N-acetyl) transferase 4	Cytoplasm
-6.622	ENSG00000250889	GCNT4	glucosaminyl (N-acetyl) transferase 4	Cytoplasm
-4.851	ENSG00000137878	GCOM1	GRINL1A complex locus 1	Other
-7.959	ENSG00000174500	GCSAM	germinal center associated signaling and motility	Cytoplasm
-8.104	ENSG00000104381	GDAP1	ganglioside induced differentiation associated protein 1	Cytoplasm
-7.915	ENSG00000135414	GDF11	growth differentiation factor 11	Extracellular Space
-6.497	ENSG00000153982	GDPD1	glycerophosphodiester phosphodiesterase domain containing 1	Other
-7.011	ENSG00000102886	GDPD3	glycerophosphodiester phosphodiesterase domain containing 3	Cytoplasm
-7.457	ENSG00000092208	GEMIN2	gem nuclear organelle associated protein 2	Nucleus
-7.439	ENSG00000142252	GEMIN7	gem nuclear organelle associated protein 7	Nucleus
-7.843	ENSG00000239857	GET4	golgi to ER traffic protein 4	Cytoplasm
-10.801	ENSG00000162676	GF11	growth factor independent 1 transcriptional repressor	Nucleus
-6.964	ENSG00000168546	GFRA2	GDNF family receptor alpha 2	Plasma Membrane
-6.327	ENSG00000134864	GGACT	gamma-glutamylamine cyclotransferase	Cytoplasm
-8.536	ENSG00000100031	GGT1	gamma-glutamyltransferase 1	Plasma Membrane
-7.829	ENSG00000131067	GGT7	gamma-glutamyltransferase 7	Plasma Membrane
-6.251	ENSG00000157017	GHRL	ghrelin and obestatin prepropeptide	Extracellular Space
-6.727	ENSG00000257698	GIHCG	GIHCG inhibitor of miR-200b/200a/429 expression	Other
-11.696	ENSG00000213203	GIMAP1	GTPase, IMAP family member 1	Cytoplasm
-11.172	ENSG00000106560	GIMAP2	GTPase, IMAP family member 2	Cytoplasm
-13.504	ENSG00000133574	GIMAP4	GTPase, IMAP family member 4	Nucleus
-11.801	ENSG00000196329	GIMAP5	GTPase, IMAP family member 5	Cytoplasm
-11.843	ENSG00000133561	GIMAP6	GTPase, IMAP family member 6	Cytoplasm
-12.815	ENSG00000179144	GIMAP7	GTPase, IMAP family member 7	Cytoplasm
-11.73	ENSG00000171115	GIMAP8	GTPase, IMAP family member 8	Other
-8.202	ENSG00000145723	GIN1	gypsy retrotransposon integrase 1	Other
-7.224	ENSG00000101003	GIN51	GIN5 complex subunit 1	Nucleus
-5.961	ENSG00000181938	GIN53	GIN5 complex subunit 3	Nucleus
-6.424	ENSG00000010310	GIPR	gastric inhibitory polypeptide receptor	Plasma Membrane
-7.079	ENSG00000163521	GLB1L	galactosidase beta 1 like	Extracellular Space
-13.054	ENSG00000139278	GLIPR1	GLI pathogenesis related 1	Extracellular Space
-7.929	ENSG00000174842	GLMN	glomulin, FKBP associated protein	Cytoplasm
-11.858	ENSG00000173221	GLRX	glutaredoxin	Cytoplasm
-5.438	ENSG00000135423	GLS2	glutaminase 2	Cytoplasm
-11.787	ENSG00000151948	GLT1D1	glycosyltransferase 1 domain containing 1	Extracellular Space
-8.074	ENSG00000250959	GLUD1P3	glutamate dehydrogenase 1 pseudogene 3	Other
-9.211	ENSG00000168237	GLYCKT	glycerate kinase	Cytoplasm
-4.925	ENSG00000130755	GMFG	glia maturation factor gamma	Cytoplasm
-9.037	ENSG00000144591	GMPPA	GDP-mannose pyrophosphorylase A	Cytoplasm
-6.711	ENSG00000141404	GNAL	G protein subunit alpha L	Cytoplasm
-8.95	ENSG00000159921	GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	Cytoplasm
-13.063	ENSG00000186469	GNG2	G protein subunit gamma 2	Plasma Membrane
-8	ENSG00000176533	GNG7	G protein subunit gamma 7	Plasma Membrane
-8.1	ENSG00000167083	GNGT2	G protein subunit gamma transducin 2	Plasma Membrane
-12.231	ENSG00000115523	GNLY	granulysin	Cytoplasm
-7.396	ENSG00000163281	GNPDA2	glucosamine-6-phosphate deaminase 2	Nucleus
-6.421	ENSG00000251215	GOLGA5P1	golgin A5 pseudogene 1	Other
-6.753	ENSG00000261794	GOLGA8J (includes others)	golgin A8 family member K	Other
-5.986	ENSG00000188626	GOLGA8J (includes others)	golgin A8 family member K	Other

-7.249	ENSG00000206127	GOLGA8J (includes others)	golgin A8 family member K	Other
-7.844	ENSG00000170270	GON7	GON7 subunit of KEOPS complex	Nucleus
-5.703	ENSG00000143167	GPA33	glycoprotein A33	Plasma Membrane
-10.369	ENSG00000138678	GPAT3	glycerol-3-phosphate acyltransferase 3	Cytoplasm
-9.345	ENSG00000179921	GPBAR1	G protein-coupled bile acid receptor 1	Plasma Membrane
-5.544	ENSG00000213420	GPC2	glypican 2	Plasma Membrane
-4.554	ENSG00000164850	GPER1	G protein-coupled estrogen receptor 1	Plasma Membrane
-7.202	ENSG00000112293	GPLD1	glycosylphosphatidylinositol specific phospholipase D1	Cytoplasm
-6.778	ENSG00000136235	GNPMB	glycoprotein nmb	Plasma Membrane
-10.902	ENSG00000183484	GPR132	G protein-coupled receptor 132	Plasma Membrane
-5.975	ENSG00000181619	GPR135	G protein-coupled receptor 135	Plasma Membrane
-9.256	ENSG00000077585	GPR137B	G protein-coupled receptor 137B	Plasma Membrane
-9.253	ENSG00000187037	GPR141	G protein-coupled receptor 141	Plasma Membrane
-8.82	ENSG00000164849	GPR146	G protein-coupled receptor 146	Plasma Membrane
-5.623	ENSG00000154165	GPR15	G protein-coupled receptor 15	Plasma Membrane
-6.68	ENSG00000158292	GPR153	G protein-coupled receptor 153	Plasma Membrane
-8.695	ENSG00000250510	GPR162	G protein-coupled receptor 162	Plasma Membrane
-7.559	ENSG00000174946	GPR171	G protein-coupled receptor 171	Plasma Membrane
-8.55	ENSG00000147138	GPR174	G protein-coupled receptor 174	Plasma Membrane
-6.647	ENSG00000125245	GPR18	G protein-coupled receptor 18	Plasma Membrane
-5.71	ENSG00000204882	GPR20	G protein-coupled receptor 20	Plasma Membrane
-5.265	ENSG00000188394	GPR21	G protein-coupled receptor 21	Plasma Membrane
-9.561	ENSG00000170837	GPR27	G protein-coupled receptor 27	Plasma Membrane
-8.5	ENSG00000171659	GPR34	G protein-coupled receptor 34	Plasma Membrane
-7.946	ENSG00000178623	GPR35	G protein-coupled receptor 35	Plasma Membrane
-6.408	ENSG00000203737	GPR52	G protein-coupled receptor 52	Plasma Membrane
-7.333	ENSG00000135898	GPR55	G protein-coupled receptor 55	Plasma Membrane
-10.993	ENSG00000140030	GPR65	G protein-coupled receptor 65	Plasma Membrane
-7.718	ENSG00000119714	GPR68	G protein-coupled receptor 68	Plasma Membrane
-8.549	ENSG00000139572	GPR84	G protein-coupled receptor 84	Plasma Membrane
-5.773	ENSG00000188092	GPR89A/GPR89B	G protein-coupled receptor 89B	Cytoplasm
-6.394	ENSG00000169258	GPRIN1	G protein regulated inducer of neurite outgrowth 1	Plasma Membrane
-11.992	ENSG00000185477	GPRIN3	GPRIN family member 3	Other
-5.74	ENSG00000132522	GPS2	G protein pathway suppressor 2	Nucleus
-6.22	ENSG00000211445	GPX3	glutathione peroxidase 3	Extracellular Space
-6.725	ENSG00000116157	GPX7	glutathione peroxidase 7	Cytoplasm
-9.845	ENSG00000023171	GRAMD1B	GRAM domain containing 1B	Other
-9.238	ENSG00000161835	GRASP	general receptor for phosphoinositides 1 associated scaffold protein	Plasma Membrane
-6.434	ENSG00000115290	GRB14	growth factor receptor bound protein 14	Plasma Membrane
-6.898	ENSG00000180875	GREM2	gremlin 2, DAN family BMP antagonist	Extracellular Space
-5.784	ENSG00000105737	GRIK5	glutamate ionotropic receptor kainate type subunit 5	Plasma Membrane
-6.575	ENSG00000105464	GRIN2D	glutamate ionotropic receptor NMDA type subunit 2D	Plasma Membrane
-5.561	ENSG00000116032	GRIN3B	glutamate ionotropic receptor NMDA type subunit 3B	Plasma Membrane
-7.281	ENSG00000125388	GRK4	G protein-coupled receptor kinase 4	Plasma Membrane
-6.174	ENSG00000228485	GRK5-IT1	GRK5 intronic transcript 1	Other
-6.183	ENSG00000164082	GRM2	glutamate metabotropic receptor 2	Plasma Membrane
-3.796	ENSG00000030582	GRN	granulin precursor	Extracellular Space
-5.316	ENSG00000254690	GS1_393G1212	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.454	ENSG00000253853	GS1_57L111	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.8	ENSG00000189369	GSPT2	G1 to S phase transition 2	Cytoplasm
-7.873	ENSG00000168765	GSTM4	glutathione S-transferase mu 4	Cytoplasm
-6.949	ENSG00000145736	GTF2H2	general transcription factor IIH subunit 2	Nucleus
-7.245	ENSG00000226259	GTF2H2B	general transcription factor IIH subunit 2B (pseudogene)	Other
-7.449	ENSG00000183474	GTF2H2C	GTF2H2 family member C	Nucleus
-8.754	ENSG00000111358	GTF2H3	general transcription factor IIH subunit 3	Nucleus
-5.9	ENSG00000272645	GTF2IP20	general transcription factor Ili pseudogene 20	Other
-8.553	ENSG00000130299	GTPBP3	GTP binding protein 3, mitochondrial	Cytoplasm
-8.502	ENSG00000163607	GTPBP8	GTP binding protein 8 (putative)	Cytoplasm
-6.384	ENSG00000075218	GTSF1	G2 and S-phase expressed 1	Cytoplasm
-6.396	ENSG00000170627	GTSF1	gametocyte specific factor 1	Cytoplasm
-5.561	ENSG00000112599	GUCA1B	guanylate cyclase activator 1B	Cytoplasm
-6.376	ENSG00000241549	GUSBP2	GUSB pseudogene 2	Other
-6.951	ENSG00000253203	GUSBP3	GUSB pseudogene 3	Other
-12.26	ENSG00000254838	GVINP1	GTPase, very large interferon inducible pseudogene 1	Other
-6.589	ENSG00000179240	GVQW3	GVQW motif containing 3	Other
-8.927	ENSG00000250361	GYPB	glycophorin B (MNS blood group)	Plasma Membrane
-11.004	ENSG00000145649	GZMA	granzyme A	Cytoplasm
-11.347	ENSG00000100453	GZMB	granzyme B	Cytoplasm
-10.751	ENSG00000100450	GZMH	granzyme H	Cytoplasm
-8.906	ENSG00000113088	GZMK	granzyme K	Cytoplasm
-8.155	ENSG00000197540	GZMM	granzyme M	Cytoplasm
-1.965	ENSG00000113648	H2AFY	H2A histone family member Y	Nucleus
-5.857	ENSG00000099284	H2AFY2	H2A histone family member Y2	Nucleus
-3.934	ENSG00000049239	H6PD	hexose-6-phosphate dehydrogenase/glucose 1-dehydrogenase	Cytoplasm
-7.984	ENSG00000162882	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	Cytoplasm
-6.142	ENSG00000103253	HAGHL	hydroxycylglutathione hydrolase like	Other
-10.455	ENSG00000084110	HAL	histidine ammonia-lyase	Cytoplasm
-4.876	ENSG00000105697	HAMP	hepcidin antimicrobial peptide	Extracellular Space
-8.191	ENSG00000140511	HAPLN3	hyaluronan and proteoglycan link protein 3	Extracellular Space
-7.022	ENSG00000180423	HARB1	harbinger transposase derived 1	Cytoplasm
-6.415	ENSG00000103044	HAS3	hyaluronan synthase 3	Plasma Membrane
-6.129	ENSG00000177602	HASPIN	histone H3 associated protein kinase	Nucleus
-7.953	ENSG00000092036	HAUS4	HAUS augmin like complex subunit 4	Cytoplasm
-9.888	ENSG00000135077	HAVCR2	hepatitis A virus cellular receptor 2	Plasma Membrane
-8.738	ENSG00000086506	HBQ1	hemoglobin subunit theta 1	Other
-7.059	ENSG00000227766	HCG4P5	HLA complex group 4 pseudogene 5	Other
-6.389	ENSG00000230521	HCG4P7	HLA complex group 4 pseudogene 7	Other
-13.361	ENSG00000101336	HCK	HCK proto-oncogene, Src family tyrosine kinase	Cytoplasm
-5.662	ENSG00000180353	HCL1S1	hematopoietic cell-specific Lyn substrate 1	Nucleus
-9.226	ENSG00000126264	HCST	hematopoietic cell signal transducer	Plasma Membrane
-6.575	ENSG00000100429	HDAC10	histone deacetylase 10	Nucleus

-9.803	ENSG00000140287	HDC	histidine decarboxylase	Cytoplasm
-7.811	ENSG00000184508	HDDC3	HD domain containing 3	Other
-5.884	ENSG00000165259	HDX	highly divergent homeobox	Other
-2.089	ENSG00000112406	HECA	hdc homolog, cell cycle regulator	Nucleus
-6.439	ENSG00000138411	HECW2	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	Extracellular Space
-11.05	ENSG00000173706	HEG1	heart development protein with EGF like domains 1	Plasma Membrane
-2.969	ENSG00000130589	HELZ2	helicase with zinc finger 2	Nucleus
-9.465	ENSG00000114735	HEMK1	HemK methyltransferase family member 1	Nucleus
-9.485	ENSG00000162639	HENMT1	HEN methyltransferase 1	Other
-7.078	ENSG00000144485	HES6	hes family bHLH transcription factor 6	Nucleus
-4.888	ENSG00000010704	HFE	homeostatic iron regulator	Plasma Membrane
-9.491	ENSG00000019991	HGF	hepatocyte growth factor	Extracellular Space
-7.87	ENSG00000054392	HHAT	hedgehog acyltransferase	Cytoplasm
-6.577	ENSG00000177374	HIC1	HIC ZBTB transcriptional repressor 1	Nucleus
-9.218	ENSG00000169635	HIC2	HIC ZBTB transcriptional repressor 2	Nucleus
-6.304	ENSG00000197153	HIST1H3J	histone cluster 1 H3 family member j	Nucleus
-5.537	ENSG00000197238	HIST1H4J	histone cluster 1 H4 family member j	Nucleus
-7.854	ENSG00000181218	HIST3H2A	histone cluster 3 H2A	Nucleus
-13.765	ENSG00000160883	HK3	hexokinase 3	Cytoplasm
-11.574	ENSG00000242574	HLA-DMB	major histocompatibility complex, class II, DM beta	Plasma Membrane
-6.873	ENSG00000204252	HLA-DOA	major histocompatibility complex, class II, DO alpha	Plasma Membrane
-7.551	ENSG00000241106	HLA-DOB	major histocompatibility complex, class II, DO beta	Plasma Membrane
-13.172	ENSG00000231389	HLA-DPA1	major histocompatibility complex, class II, DP alpha 1	Plasma Membrane
-13.066	ENSG00000223865	HLA-DPB1	major histocompatibility complex, class II, DP beta 1	Plasma Membrane
-10.645	ENSG00000196735	HLA-DQA1	major histocompatibility complex, class II, DQ alpha 1	Plasma Membrane
-8.548	ENSG00000237541	HLA-DQA2	major histocompatibility complex, class II, DQ alpha 2	Plasma Membrane
-4.671	ENSG00000204287	HLA-DRA	major histocompatibility complex, class II, DR alpha	Plasma Membrane
-6.308	ENSG00000198502	HLA-DRB5	major histocompatibility complex, class II, DR beta 5	Plasma Membrane
-9.138	ENSG00000229391	HLA-DRB6	major histocompatibility complex, class II, DR beta 6 (pseudogene)	Other
-7.258	ENSG00000214922	HLA-F-AS1	HLA-F antisense RNA 1	Other
-6.827	ENSG00000230795	HLA-K	major histocompatibility complex, class I, K (pseudogene)	Plasma Membrane
-7.441	ENSG00000243753	HLA-L	major histocompatibility complex, class I, L (pseudogene)	Other
-5.59	ENSG00000237646	HLCS-IT1	HLCS intronic transcript 1	Other
-6.438	ENSG00000108924	HLF	HLF transcription factor, PAR bZIP family member	Nucleus
-11.486	ENSG00000136630	HLX	H2.0 like homeobox	Nucleus
-5.894	ENSG00000235313	HM13-IT1	HM13 intronic transcript 1	Other
-5.938	ENSG00000234705	HMGAI1P4	high mobility group AT-hook 1 pseudogene 4	Other
-7.701	ENSG00000197301	HMGGA2-AS1	HMGGA2 antisense RNA 1	Other
-6.44	ENSG00000250011	HMGGB1P3	high mobility group box 1 pseudogene 3	Other
-6.204	ENSG00000233266	HMGGB1P31	high mobility group box 1 pseudogene 31	Other
-6.114	ENSG00000260828	HMGGB3P32	high mobility group box 3 pseudogene 32	Other
-7.493	ENSG00000228808	HMGGB3P4	high mobility group box 3 pseudogene 4	Other
-8.966	ENSG00000117305	HMGCL	3-hydroxy-3-methylglutaryl-CoA lyase	Cytoplasm
-6.811	ENSG00000270362	HMGN3-AS1	HMGN3 antisense RNA 1	Other
-10.099	ENSG00000150540	HNMT	histamine N-methyltransferase	Cytoplasm
-2.62	ENSG00000214223	HNRNPA1P10	heterogeneous nuclear ribonucleoprotein A1 pseudogene 10	Other
-3.089	ENSG00000215492	HNRNPA1P7	heterogeneous nuclear ribonucleoprotein A1 pseudogene 7	Other
-5.893	ENSG00000227688	HNRNPA3P2	heterogeneous nuclear ribonucleoprotein A3 pseudogene 2	Other
-6.205	ENSG00000258900	HNRNP1C	heterogeneous nuclear ribonucleoprotein C pseudogene 1	Other
-8.019	ENSG00000051128	HOMER3	homer scaffold protein 3	Plasma Membrane
-7.541	ENSG00000143452	HORMAD1	HORMA domain containing 1	Nucleus
-6.372	ENSG00000105991	HOXA1	homeobox A1	Nucleus
-6.641	ENSG00000230148	HOXB-AS1	HOXB cluster antisense RNA 1	Other
-7.31	ENSG00000173917	HOXB2	homeobox B2	Nucleus
-6.662	ENSG00000120093	HOXB3	homeobox B3	Nucleus
-4.932	ENSG00000182742	HOXB4	homeobox B4	Nucleus
-11.238	ENSG00000257017	HP	haptoglobin	Extracellular Space
-5.912	ENSG00000158104	HPD	4-hydroxyphenylpyruvate dioxygenase	Cytoplasm
-4.495	ENSG00000163755	HPS3	HPS3 biogenesis of lysosomal organelles complex 2 subunit 1	Cytoplasm
-10.516	ENSG00000113749	HRH2	histamine receptor H2	Plasma Membrane
-7.968	ENSG00000134489	HRH4	histamine receptor H4	Plasma Membrane
-9.128	ENSG00000125430	HS3ST3B1	heparan sulfate-glucosamine 3-sulfotransferase 3B1	Cytoplasm
-6.733	ENSG00000100209	HSCB	HscB mitochondrial iron-sulfur cluster cochaperone	Cytoplasm
-5.53	ENSG00000170509	HSD17B13	hydroxysteroid 17-beta dehydrogenase 13	Extracellular Space
-6.253	ENSG00000099377	HSD3B7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	Cytoplasm
-6.472	ENSG00000102878	HSF4	heat shock transcription factor 4	Nucleus
-5.857	ENSG00000176160	HSF5	heat shock transcription factor 5	Other
-10.802	ENSG00000196684	HSZD	hematopoietic SH2 domain containing	Cytoplasm
-6.969	ENSG00000204390	HSPA1L	heat shock protein family A (Hsp70) member 1 like	Cytoplasm
-6.376	ENSG00000164070	HSPA4L	heat shock protein family A (Hsp70) member 4 like	Cytoplasm
-10.431	ENSG00000225217	HSPA7	heat shock protein family A (Hsp70) member 7	Cytoplasm
-5.719	ENSG00000234788	HSPA8P3	heat shock protein family A (Hsp70) member 8 pseudogene 3	Other
-6.205	ENSG00000241478	HSPA8P9	heat shock protein family A (Hsp70) member 8 pseudogene 9	Other
-6.366	ENSG00000187762	HSPE1P11	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.921	ENSG00000225900	HSPE1P13	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.643	ENSG00000255163	HSPE1P18	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.637	ENSG00000232015	HSPE1P25	heat shock protein family E (Hsp10) member 1 pseudogene 25	Other
-6.57	ENSG00000166033	HTRA1	Htra serine peptidase 1	Extracellular Space
-8.745	ENSG00000170801	HTRA3	Htra serine peptidase 3	Extracellular Space
-6.284	ENSG00000169495	HTRA4	Htra serine peptidase 4	Other
-5.867	ENSG00000188996	HUS1B	HUS1 checkpoint clamp component B	Other
-10.879	ENSG00000122986	HVCN1	hydrogen voltage gated channel 1	Plasma Membrane
-7.187	ENSG00000068001	HYAL2	hyaluronidase 2	Cytoplasm
-7.159	ENSG00000186792	HYAL3	hyaluronidase 3	Cytoplasm
-6.412	ENSG00000198331	HYLS1	HYLS1 centriolar and ciliogenesis associated	Nucleus
-9.198	ENSG00000134330	IAH1	isoamyl acetate hydrolyzing esterase 1 (putative)	Cytoplasm
-12.447	ENSG00000076662	ICAM3	intercellular adhesion molecule 3	Plasma Membrane
-7.13	ENSG00000105371	ICAM4	intercellular adhesion molecule 4 (Landsteiner-Wiener blood group)	Plasma Membrane
-2.105	ENSG00000164151	ICE1	interactor of little elongation complex ELL subunit 1	Nucleus
-8.165	ENSG00000163600	ICOS	inducible T cell costimulator	Plasma Membrane
-10.803	ENSG00000067829	IDH3G	isocitrate dehydrogenase 3 (NAD(+)) gamma	Cytoplasm

-11.139	ENSG00000137331	IER3	immediate early response 3	Cytoplasm
-7.465	ENSG00000134049	IER3IP1	immediate early response 3 interacting protein 1	Cytoplasm
-6.342	ENSG00000165948	IFI27L1	interferon alpha inducible protein 27 like 1	Other
-9.599	ENSG00000216490	IFI30	IFI30 lysosomal thiol reductase	Cytoplasm
-11.084	ENSG00000137959	IFI44L	interferon induced protein 44 like	Nucleus
-8.852	ENSG00000185745	IFIT1	interferon induced protein with tetratricopeptide repeats 1	Cytoplasm
-8.767	ENSG00000185885	IFITM1	interferon induced transmembrane protein 1	Plasma Membrane
-7.081	ENSG00000244242	IFITM10	interferon induced transmembrane protein 10	Other
-5.823	ENSG00000185201	IFITM2	interferon induced transmembrane protein 2	Cytoplasm
-11.274	ENSG00000142089	IFITM3	interferon induced transmembrane protein 3	Plasma Membrane
-9.12	ENSG00000159110	IFNAR2	interferon alpha and beta receptor subunit 2	Plasma Membrane
-6.279	ENSG00000255733	IFNG-AS1	IFNG antisense RNA 1	Other
-3.358	ENSG00000159128	IFNGR2	interferon gamma receptor 2	Plasma Membrane
-7.027	ENSG00000119650	IFT43	intraflagellar transport 43	Cytoplasm
-8.096	ENSG0000066885	IFT80	intraflagellar transport 80	Extracellular Space
-3.01	ENSG00000197081	IGF2R	insulin like growth factor 2 receptor	Plasma Membrane
-9.051	ENSG00000163453	IGFBP7	insulin like growth factor binding protein 7	Extracellular Space
-12.248	ENSG00000211895	IGHA1	immunoglobulin heavy constant alpha 1	Extracellular Space
-10.017	ENSG00000211890	IGHA2	immunoglobulin heavy constant alpha 2 (A2m marker)	Extracellular Space
-8.631	ENSG00000211898	IGHD	immunoglobulin heavy constant delta	Extracellular Space
-9.708	ENSG00000211896	IGHG1	immunoglobulin heavy constant gamma 1 (G1m marker)	Extracellular Space
-7.728	ENSG00000211893	IGHG2	immunoglobulin heavy constant gamma 2 (G2m marker)	Plasma Membrane
-7.142	ENSG00000211897	IGHG3	immunoglobulin heavy constant gamma 3 (G3m marker)	Extracellular Space
-6.764	ENSG00000211892	IGHG4	immunoglobulin heavy constant gamma 4 (G4m marker)	Extracellular Space
-11.604	ENSG00000211899	IGHM	immunoglobulin heavy constant mu	Plasma Membrane
-7.22	ENSG00000211945	IGHV1-18	immunoglobulin heavy variable 1-18	Other
-5.473	ENSG00000211935	IGHV1-3	immunoglobulin heavy variable 1-3	Other
-6.344	ENSG00000211962	IGHV1-46	immunoglobulin heavy variable 1-46	Other
-6.053	ENSG00000211973	IGHV1-69	immunoglobulin heavy variable 1-69	Other
-6.392	ENSG00000270505	IGHV1OR15-1	immunoglobulin heavy variable 1/OR15-1 (non-functional)	Other
-6.477	ENSG00000211937	IGHV2-5	immunoglobulin heavy variable 2-5	Other
-6.092	ENSG00000211943	IGHV3-15	immunoglobulin heavy variable 3-15	Other
-8.151	ENSG00000211949	IGHV3-23	immunoglobulin heavy variable 3-23	Extracellular Space
-6.499	ENSG00000211955	IGHV3-33	immunoglobulin heavy variable 3-33	Extracellular Space
-7.184	ENSG00000211938	IGHV3-7	immunoglobulin heavy variable 3-7	Extracellular Space
-6.848	ENSG00000211956	IGHV4-34	immunoglobulin heavy variable 4-34	Other
-7.17	ENSG00000211959	IGHV4-39	immunoglobulin heavy variable 4-39	Other
-5.723	ENSG00000211966	IGHV5-51	immunoglobulin heavy variable 5-51	Other
-5.692	ENSG00000240864	IGKV1-16	immunoglobulin kappa variable 1-16	Extracellular Space
-7.53	ENSG00000243466	IGKV1-5	immunoglobulin kappa variable 1-5	Extracellular Space
-5.624	ENSG00000241755	IGKV1-9	immunoglobulin kappa variable 1-9	Other
-6.614	ENSG00000239951	IGKV3-20	immunoglobulin kappa variable 3-20	Extracellular Space
-7.761	ENSG00000211598	IGKV4-1	immunoglobulin kappa variable 4-1	Extracellular Space
-5.57	ENSG00000211677	IGLC2	immunoglobulin lambda constant 2	Extracellular Space
-6.475	ENSG00000211679	IGLC3	immunoglobulin lambda constant 3 (Kern-Oz+ marker)	Extracellular Space
-6.877	ENSG00000211653	IGLV1-40	immunoglobulin lambda variable 1-40	Other
-7.076	ENSG00000211651	IGLV1-44	immunoglobulin lambda variable 1-44	Other
-7.151	ENSG00000211648	IGLV1-47	immunoglobulin lambda variable 1-47	Extracellular Space
-6.59	ENSG00000211660	IGLV2-23	immunoglobulin lambda variable 2-23	Other
-5.741	ENSG00000211673	IGLV3-1	immunoglobulin lambda variable 3-1	Other
-6.247	ENSG00000211663	IGLV3-19	immunoglobulin lambda variable 3-19	Extracellular Space
-6.489	ENSG00000152580	IGSF10	immunoglobulin superfamily member 10	Extracellular Space
-11.615	ENSG00000140749	IGSF6	immunoglobulin superfamily member 6	Plasma Membrane
-7.858	ENSG00000808054	IGSF9B	immunoglobulin superfamily member 9B	Plasma Membrane
-5.983	ENSG00000185811	IKZF1	IKAROS family zinc finger 1	Nucleus
-11.769	ENSG00000161405	IKZF3	IKAROS family zinc finger 3	Nucleus
-7.957	ENSG00000123411	IKZF4	IKAROS family zinc finger 4	Nucleus
-7.91	ENSG00000110324	IL10RA	interleukin 10 receptor subunit alpha	Plasma Membrane
-10.196	ENSG00000243646	IL10RB	interleukin 10 receptor subunit beta	Plasma Membrane
-6.156	ENSG00000223799	IL10RB-DT	IL10RB divergent transcript	Other
-4.724	ENSG00000168811	IL12A	interleukin 12A	Extracellular Space
-9.668	ENSG00000096996	IL12RB1	interleukin 12 receptor subunit beta 1	Plasma Membrane
-7.981	ENSG00000081985	IL12RB2	interleukin 12 receptor subunit beta 2	Plasma Membrane
-10.127	ENSG00000164136	IL15	interleukin 15	Extracellular Space
-9.476	ENSG00000134470	IL15RA	interleukin 15 receptor subunit alpha	Plasma Membrane
-3.227	ENSG00000177663	IL17RA	interleukin 17 receptor A	Plasma Membrane
-6.354	ENSG00000056736	IL17RB	interleukin 17 receptor B	Plasma Membrane
-9.617	ENSG00000150782	IL18	interleukin 18	Extracellular Space
-4.632	ENSG00000137496	IL18BP	interleukin 18 binding protein	Extracellular Space
-10.124	ENSG00000115604	IL18R1	interleukin 18 receptor 1	Plasma Membrane
-11.47	ENSG00000115607	IL18RAP	interleukin 18 receptor accessory protein	Plasma Membrane
-4.597	ENSG00000125538	IL1B	interleukin 1 beta	Extracellular Space
-10.792	ENSG00000115590	IL1R2	interleukin 1 receptor type 2	Plasma Membrane
-8.643	ENSG00000115602	IL1RL1	interleukin 1 receptor like 1	Plasma Membrane
-9.095	ENSG00000103522	IL21R	interleukin 21 receptor	Plasma Membrane
-6.425	ENSG00000110944	IL23A	interleukin 23 subunit alpha	Extracellular Space
-5.177	ENSG00000104998	IL27RA	interleukin 27 receptor subunit alpha	Plasma Membrane
-7.782	ENSG00000134460	IL2RA	interleukin 2 receptor subunit alpha	Plasma Membrane
-12.392	ENSG00000100385	IL2RB	interleukin 2 receptor subunit beta	Plasma Membrane
-11.959	ENSG00000147168	IL2RG	interleukin 2 receptor subunit gamma	Plasma Membrane
-9.235	ENSG00000185291	IL3RA	interleukin 3 receptor subunit alpha	Plasma Membrane
-6.2	ENSG00000104951	IL4I1	interleukin 4 induced 1	Cytoplasm
-7.402	ENSG00000091181	IL5RA	interleukin 5 receptor subunit alpha	Plasma Membrane
-6.777	ENSG00000104432	IL7	interleukin 7	Extracellular Space
-13.676	ENSG00000168685	IL7R	interleukin 7 receptor	Plasma Membrane
-5.581	ENSG00000226942	IL9RP3	interleukin 9 receptor pseudogene 3	Other
-8.07	ENSG00000267100	ILF3-DT	ILF3 divergent transcript	Other
-6.949	ENSG00000148950	IMMP1L	inner mitochondrial membrane peptidase subunit 1	Cytoplasm
-9.408	ENSG00000177971	IMP3	IMP U3 small nucleolar ribonucleoprotein 3	Cytoplasm
-7.323	ENSG00000257704	INAFM1	InaF motif containing 1	Other
-6.108	ENSG00000224975	INE1	inactivation escape 1	Other

-10.387	ENSG00000122641	INHBA	inhibin subunit beta A	Extracellular Space
-7.538	ENSG00000153391	INO80C	INO80 complex subunit C	Nucleus
-8.29	ENSG00000151689	INPP1	inositol polyphosphate-1-phosphatase	Cytoplasm
-8.567	ENSG00000168918	INPP5D	inositol polyphosphate-5-phosphatase D	Cytoplasm
-5.553	ENSG00000248099	INSL3	insulin like 3	Extracellular Space
-3.935	ENSG00000149262	INTS4	integrator complex subunit 4	Nucleus
-8.637	ENSG00000185085	INTS5	integrator complex subunit 5	Nucleus
-8.67	ENSG00000104299	INTS9	integrator complex subunit 9	Nucleus
-7.352	ENSG00000269837	IPO5P1	importin 5 pseudogene 1	Other
-5.494	ENSG00000166578	IQCD	IQ motif containing D	Other
-2.377	ENSG00000140575	IQGAP1	IQ motif containing GTPase activating protein 1	Cytoplasm
-8.902	ENSG00000124313	IQSEC2	IQ motif and Sec7 domain 2	Cytoplasm
-10.105	ENSG00000137265	IRF4	interferon regulatory factor 4	Nucleus
-11.871	ENSG00000128604	IRF5	interferon regulatory factor 5	Nucleus
-10.585	ENSG00000185507	IRF7	interferon regulatory factor 7	Nucleus
-12.575	ENSG00000140968	IRF8	interferon regulatory factor 8	Nucleus
-8.576	ENSG00000213928	IRF9	interferon regulatory factor 9	Nucleus
-6.813	ENSG00000237693	IRGM	immunity related GTPase M	Cytoplasm
-5.899	ENSG00000159556	ISL2	ISL LIM homeobox 2	Nucleus
-6.059	ENSG00000101230	ISM1	isthmin 1	Other
-5.584	ENSG00000143127	ITGA10	integrin subunit alpha 10	Plasma Membrane
-13.676	ENSG00000115232	ITGA4	integrin subunit alpha 4	Plasma Membrane
-2.794	ENSG00000161638	ITGA5	integrin subunit alpha 5	Plasma Membrane
-6.256	ENSG00000135424	ITGA7	integrin subunit alpha 7	Plasma Membrane
-13.759	ENSG00000005844	ITGAL	integrin subunit alpha L	Plasma Membrane
-6.439	ENSG00000169896	ITGAM	integrin subunit alpha M	Plasma Membrane
-5.272	ENSG00000140678	ITGAX	integrin subunit alpha X	Plasma Membrane
-6.497	ENSG00000147166	ITGB1BP2	integrin subunit beta 1 binding protein 2	Other
-15.699	ENSG00000160255	ITGB2	integrin subunit beta 2	Plasma Membrane
-10.907	ENSG00000227039	ITGB2-AS1	ITGB2 antisense RNA 1	Other
-11.032	ENSG00000139626	ITGB7	integrin subunit beta 7	Plasma Membrane
-11.093	ENSG00000113263	ITK	IL2 inducible T cell kinase	Cytoplasm
-8.088	ENSG00000179914	ITLN1	intelectin 1	Plasma Membrane
-6.21	ENSG00000228382	ITPKB-IT1	ITPKB intronic transcript 1	Other
-7.85	ENSG00000198885	ITPRIP1	ITPRIP like 1	Other
-9.189	ENSG00000176049	JAKMIP2	janus kinase and microtubule interacting protein 2	Extracellular Space
-13.908	ENSG00000160593	JAML	junction adhesion molecule like	Plasma Membrane
-10.512	ENSG00000132465	JCHAIN	joining chain of multimeric IgA and IgM	Extracellular Space
-6.443	ENSG00000243789	JMJD7	jumonji domain containing 7	Other
-7.55	ENSG00000168970	JMJD7-PLA2G4B	JMJD7-PLA2G4B readthrough	Cytoplasm
-4.96	ENSG00000161677	JOSD2	Josephin domain containing 2	Cytoplasm
-6.451	ENSG00000186994	KANK3	KN motif and ankyrin repeat domains 3	Cytoplasm
-6.2	ENSG00000232593	KANTR	KDM5C adjacent transcript	Other
-12.129	ENSG00000065427	KARS	lysyl-tRNA synthetase	Cytoplasm
-5.487	ENSG00000140854	KATNB1	katanin regulatory subunit B1	Cytoplasm
-5.844	ENSG00000260949	KB_1836B51	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.535	ENSG00000232545	KB_318B87	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.992	ENSG00000176595	KBTBD11	kelch repeat and BTB domain containing 11	Other
-8.478	ENSG00000163376	KBTBD8	kelch repeat and BTB domain containing 8	Cytoplasm
-5.076	ENSG00000151079	KCNA6	potassium voltage-gated channel subfamily A member 6	Plasma Membrane
-5.639	ENSG00000069424	KCNAB2	potassium voltage-gated channel subfamily A regulatory beta subunit 2	Plasma Membrane
-7.284	ENSG00000102057	KCND1	potassium voltage-gated channel subfamily D member 1	Plasma Membrane
-9.578	ENSG00000180509	KCNE1	potassium voltage-gated channel subfamily E regulatory subunit 1	Plasma Membrane
-7.841	ENSG00000135519	KCNH3	potassium voltage-gated channel subfamily H member 3	Plasma Membrane
-6.129	ENSG00000120049	KCNIP2	potassium voltage-gated channel interacting protein 2	Plasma Membrane
-9.399	ENSG00000157551	KCNJ15	potassium voltage-gated channel subfamily J member 15	Plasma Membrane
-5.776	ENSG00000173338	KCNK7	potassium pore domain channel subfamily K member 7	Plasma Membrane
-5.832	ENSG00000135643	KCNMB4	potassium calcium-activated channel subfamily M regulatory beta subunit 4	Plasma Membrane
-8.159	ENSG00000104783	KCNNA4	potassium calcium-activated channel subfamily N member 4	Plasma Membrane
-5.875	ENSG00000117013	KCNQ4	potassium voltage-gated channel subfamily Q member 4	Plasma Membrane
-7.318	ENSG00000185760	KCNQ5	potassium voltage-gated channel subfamily Q member 5	Plasma Membrane
-14.044	ENSG00000178695	KCTD12	potassium channel tetramerization domain containing 12	Plasma Membrane
-9.207	ENSG00000153885	KCTD15	potassium channel tetramerization domain containing 15	Other
-8.513	ENSG00000100379	KCTD17	potassium channel tetramerization domain containing 17	Cytoplasm
-8.305	ENSG00000168301	KCTD6	potassium channel tetramerization domain containing 6	Plasma Membrane
-8.437	ENSG00000178202	KDELC2	KDEL motif containing 2	Other
-5.696	ENSG00000235262	KDM5C-IT1	KDM5C intronic transcript 1	Other
-5.527	ENSG00000112232	KHDRBS2	KH RNA binding domain containing, signal transduction associated 2	Nucleus
-6.618	ENSG00000138030	KHK	ketohexokinase	Cytoplasm
-10.401	ENSG00000100578	KIAA0586	KIAA0586	Cytoplasm
-8.612	ENSG00000196123	KIAA0895L	KIAA0895 like	Other
-6.275	ENSG00000196872	KIAA1211L	KIAA1211 like	Other
-7.266	ENSG00000186185	KIF18B	kinesin family member 18B	Cytoplasm
-7.322	ENSG00000112984	KIF20A	kinesin family member 20A	Cytoplasm
-4.54	ENSG00000116852	KIF21B	kinesin family member 21B	Cytoplasm
-5.958	ENSG00000162849	KIF26B	kinesin family member 26B	Other
-6.45	ENSG00000227398	KIF9-AS1	KIF9 antisense RNA 1	Other
-5.987	ENSG00000243772	KIR2DL1/KIR2DL3	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 3	Plasma Membrane
-5.528	ENSG00000242473	KIR2DP1	killer cell immunoglobulin like receptor, two Ig domains pseudogene 1	Other
-5.64	ENSG00000221957	KIR2DS4 (includes others)	killer cell immunoglobulin like receptor, two Ig domains and short cytoplasmic tail 2	Plasma Membrane
-7.069	ENSG00000104970	KIR3DX1	killer cell immunoglobulin like receptor, three Ig domains X1	Other
-6.853	ENSG00000157404	KIT	KIT proto-oncogene, receptor tyrosine kinase	Plasma Membrane
-5.952	ENSG00000133116	KL	klotho	Extracellular Space
-5.053	ENSG00000118922	KLF12	Kruppel like factor 12	Nucleus
-2.531	ENSG00000169926	KLF13	Kruppel like factor 13	Nucleus
-3.291	ENSG00000127528	KLF2	Kruppel like factor 2	Nucleus
-1.764	ENSG00000109787	KLF3	Kruppel like factor 3	Nucleus
-7.383	ENSG00000102349	KLF8	Kruppel like factor 8	Nucleus
-7.282	ENSG00000197776	KLHDC1	kelch domain containing 1	Cytoplasm
-7.704	ENSG00000130487	KLHDC7B	kelch domain containing 7B	Other
-7.862	ENSG00000187961	KLHL17	kelch like family member 17	Cytoplasm

-1.861	ENSG00000114648	KLHL18	kelch like family member 18	Other
-5.156	ENSG00000109466	KLHL2	kelch like family member 2	Cytoplasm
-9.543	ENSG00000099910	KLHL22	kelch like family member 22	Cytoplasm
-7.787	ENSG00000167487	KLHL26	kelch like family member 26	Other
-5.991	ENSG00000227268	KLLN	killin, p53 regulated DNA replication inhibitor	Nucleus
-9.338	ENSG00000111796	KLRB1	killer cell lectin like receptor B1	Plasma Membrane
-8.176	ENSG00000134545	KLRC1	killer cell lectin like receptor C1	Plasma Membrane
-5.77	ENSG00000205809	KLRC2	killer cell lectin like receptor C2	Plasma Membrane
-6.742	ENSG00000183542	KLRC4	killer cell lectin like receptor C4	Plasma Membrane
-11.564	ENSG00000134539	KLRD1	killer cell lectin like receptor D1	Plasma Membrane
-9.866	ENSG00000150045	KLRF1	killer cell lectin like receptor F1	Plasma Membrane
-10.009	ENSG00000139187	KLRG1	killer cell lectin like receptor G1	Plasma Membrane
-8.15	ENSG00000117009	KMO	kynurenine 3-monoxygenase	Cytoplasm
-1.509	ENSG00000167548	KMT2D	lysine methyltransferase 2D	Nucleus
-5.908	ENSG00000171798	KNDC1	kinase non-catalytic C-lobe domain containing 1	Plasma Membrane
-8.881	ENSG00000147121	KRBOX4	KRAB box domain containing 4	Other
-7.371	ENSG00000256937	KRT17P8	keratin 17 pseudogene 8	Other
-6.585	ENSG00000229222	KRT18P4	keratin 18 pseudogene 4	Other
-6.633	ENSG00000236670	KRT18P5	keratin 18 pseudogene 5	Other
-6.54	ENSG00000108244	KRT23	keratin 23	Cytoplasm
-8.126	ENSG00000229320	KRT8P12	keratin 8 pseudogene 12	Other
-7.526	ENSG00000163463	KRTCAP2	keratinocyte associated protein 2	Plasma Membrane
-10.994	ENSG00000115919	KYNU	kynureninase	Cytoplasm
-8.161	ENSG00000154655	L3MBTL4	L3MBTL histone methyl-lysine binding protein 4	Other
-6.146	ENSG00000260316	LA16C_306A42	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.22	ENSG00000261659	LA16C_313D1112	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.353	ENSG00000261430	LA16C_390E63	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-11.061	ENSG00000167613	LAIR1	leukocyte associated immunoglobulin like receptor 1	Plasma Membrane
-7.185	ENSG00000167618	LAIR2	leukocyte associated immunoglobulin like receptor 2	Plasma Membrane
-7.529	ENSG00000196569	LAMA2	laminin subunit alpha 2	Extracellular Space
-5.8	ENSG00000196878	LAMB3	laminin subunit beta 3	Extracellular Space
-5.689	ENSG00000224699	LAMTOR5-AS1	LAMTOR5 antisense RNA 1	Other
-5.873	ENSG00000162511	LAPTM5	lysosomal protein transmembrane 5	Plasma Membrane
-5.387	ENSG00000213658	LAT	linker for activation of T cells	Plasma Membrane
-12.067	ENSG00000086730	LAT2	linker for activation of T cells family member 2	Plasma Membrane
-9.22	ENSG00000122188	LAX1	lymphocyte transmembrane adaptor 1	Cytoplasm
-8.653	ENSG00000162194	LBHD1	LBH domain containing 1	Other
-4.973	ENSG00000179528	LBX2	ladybird homeobox 2	Nucleus
-6.68	ENSG00000257702	LBX2-AS1	LBX2 antisense RNA 1	Other
-10.996	ENSG00000182866	LCK	LCK proto-oncogene, Src family tyrosine kinase	Cytoplasm
-4.994	ENSG00000148346	LCN2	lipocalin 2	Extracellular Space
-5.858	ENSG00000214402	LCNL1	lipocalin like 1	Other
-5.846	ENSG00000136167	LCP1	lymphocyte cytosolic protein 1	Cytoplasm
-5.86	ENSG00000187942	LDLRAD2	low density lipoprotein receptor class A domain containing 2	Other
-4.673	ENSG00000164406	LEAP2	liver enriched antimicrobial peptide 2	Extracellular Space
-9.295	ENSG00000105617	LENG1	leukocyte receptor cluster member 1	Other
-6.836	ENSG00000199165	let-7	microRNA let-7i	Cytoplasm
-5.795	ENSG00000199150	let-7	microRNA let-7i	Cytoplasm
-6.772	ENSG00000165046	LETM2	leucine zipper and EF-hand containing transmembrane protein 2	Other
-5.117	ENSG00000106003	LFNG	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Cytoplasm
-9.373	ENSG00000100079	LGALS2	galectin 2	Cytoplasm
-11.453	ENSG00000168961	LGALS9	galectin 9	Plasma Membrane
-8.348	ENSG00000133067	LGR6	leucine rich repeat containing G protein-coupled receptor 6	Plasma Membrane
-7.324	ENSG00000121897	LIAS	lipic acid synthetase	Cytoplasm
-11.319	ENSG00000104974	LILRA1	leukocyte immunoglobulin like receptor A1	Plasma Membrane
-11.578	ENSG00000239998	LILRA2	leukocyte immunoglobulin like receptor A2	Plasma Membrane
-6.459	ENSG00000239961	LILRA4	leukocyte immunoglobulin like receptor A4	Plasma Membrane
-11.461	ENSG00000187116	LILRA5	leukocyte immunoglobulin like receptor A5	Plasma Membrane
-11.203	ENSG00000244482	LILRA6	leukocyte immunoglobulin like receptor A6	Plasma Membrane
-11.21	ENSG00000104972	LILRB1	leukocyte immunoglobulin like receptor B1	Plasma Membrane
-13.704	ENSG00000131042	LILRB2	leukocyte immunoglobulin like receptor B2	Plasma Membrane
-10.865	ENSG00000204577	LILRB3	leukocyte immunoglobulin like receptor B3	Plasma Membrane
-4.939	ENSG00000186818	LILRB4	leukocyte immunoglobulin like receptor B4	Plasma Membrane
-6.682	ENSG00000186152	LILRP1	leukocyte immunoglobulin-like receptor pseudogene 1	Other
-12.69	ENSG00000136490	LIMD2	LIM domain containing 2	Other
-5.778	ENSG00000267796	LIN37	lin-37 DREAM MuvB core complex component	Nucleus
-8.329	ENSG00000205659	LIN52	lin-52 DREAM MuvB core complex component	Nucleus
-6.49	ENSG00000104863	LIN7B	lin-7 homolog B, crumbs cell polarity complex component	Cytoplasm
-4.38	ENSG00000183814	LIN9	lin-9 DREAM MuvB core complex component	Nucleus
-7.927	ENSG00000246526	LINC002481	long intergenic non-protein coding RNA 2481	Other
-8.348	ENSG00000188185	LINC00265	long intergenic non-protein coding RNA 265	Other
-7.99	ENSG00000231535	LINC00278	long intergenic non-protein coding RNA 278	Other
-7.514	ENSG00000236790	LINC00299	long intergenic non-protein coding RNA 299	Other
-8.603	ENSG00000178977	LINC00324	long intergenic non-protein coding RNA 324	Other
-7.495	ENSG00000218510	LINC00339	long intergenic non-protein coding RNA 339	Other
-7.787	ENSG00000235532	LINC00402	long intergenic non-protein coding RNA 402	Other
-8.737	ENSG00000238121	LINC00426	long intergenic non-protein coding RNA 426	Other
-8.367	ENSG00000175611	LINC00476	long intergenic non-protein coding RNA 476	Other
-5.969	ENSG00000185168	LINC00482	long intergenic non-protein coding RNA 482	Other
-5.794	ENSG00000264575	LINC00526	long intergenic non-protein coding RNA 526	Other
-6.385	ENSG00000253394	LINC00534	long intergenic non-protein coding RNA 534	Other
-5.634	ENSG00000260388	LINC00562	long intergenic non-protein coding RNA 562	Other
-6.388	ENSG00000260910	LINC00565	long intergenic non-protein coding RNA 565	Other
-9.324	ENSG00000224177	LINC00570	long intergenic non-protein coding RNA 570	Other
-6.898	ENSG00000273148	LINC00653	long intergenic non-protein coding RNA 653	Other
-6.825	ENSG00000205181	LINC00654	long intergenic non-protein coding RNA 654	Other
-7.416	ENSG00000232677	LINC00665	long intergenic non-protein coding RNA 665	Other
-7.474	ENSG00000213373	LINC00671	long intergenic non-protein coding RNA 671	Other
-7.164	ENSG00000263874	LINC00672	long intergenic non-protein coding RNA 672	Other
-8.148	ENSG00000215190	LINC00680	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.866	ENSG00000178440	LINC00843	long intergenic non-protein coding RNA 843	Other

-8.091	ENSG00000231177	LINC00852	long intergenic non-protein coding RNA 852	Other
-10.601	ENSG00000245164	LINC00861	long intergenic non-protein coding RNA 861	Other
-7.813	ENSG00000224914	LINC00863	long intergenic non-protein coding RNA 863	Other
-5.272	ENSG00000232229	LINC00865	long intergenic non-protein coding RNA 865	Other
-9.211	ENSG00000241163	LINC00877	long intergenic non-protein coding RNA 877	Other
-6.693	ENSG00000240024	LINC00888	long intergenic non-protein coding RNA 888	Other
-6.268	ENSG00000233093	LINC00892	long intergenic non-protein coding RNA 892	Other
-7.335	ENSG00000241769	LINC00893	long intergenic non-protein coding RNA 893	Other
-5.941	ENSG00000231711	LINC00899	long intergenic non-protein coding RNA 899	Other
-4.863	ENSG00000246100	LINC00900	long intergenic non-protein coding RNA 900	Other
-9.024	ENSG00000264247	LINC00909	long intergenic non-protein coding RNA 909	Other
-9.453	ENSG00000247982	LINC00926	long intergenic non-protein coding RNA 926	Other
-9.989	ENSG00000226091	LINC00937	long intergenic non-protein coding RNA 937	Other
-7.599	ENSG00000256128	LINC00944	long intergenic non-protein coding RNA 944	Other
-7.992	ENSG00000228784	LINC00954	long intergenic non-protein coding RNA 954	Other
-7.414	ENSG00000235314	LINC00957	long intergenic non-protein coding RNA 957	Other
-7.074	ENSG00000246430	LINC00968	long intergenic non-protein coding RNA 968	Other
-7.501	ENSG00000237248	LINC00987	long intergenic non-protein coding RNA 987	Other
-5.848	ENSG00000242258	LINC00996	long intergenic non-protein coding RNA 996	Other
-8.805	ENSG00000230724	LINC01001 (includes others)	long intergenic non-protein coding RNA 1347	Other
-6.28	ENSG00000251442	LINC01094	long intergenic non-protein coding RNA 1094	Other
-5.829	ENSG00000236423	LINC01134	long intergenic non-protein coding RNA 1134	Other
-7.343	ENSG00000258867	LINC01146	long intergenic non-protein coding RNA 1146	Other
-6.981	ENSG00000253819	LINC01151	long intergenic non-protein coding RNA 1151	Other
-5.955	ENSG00000231346	LINC01160	long intergenic non-protein coding RNA 1160	Other
-8.174	ENSG00000271856	LINC01215	long intergenic non-protein coding RNA 1215	Other
-7.805	ENSG00000237940	LINC01238	long intergenic non-protein coding RNA 1238	Other
-6.857	ENSG00000227502	LINC01268	long intergenic non-protein coding RNA 1268	Other
-6.211	ENSG00000261326	LINC01355	long intergenic non-protein coding RNA 1355	Other
-9.301	ENSG00000238113	LINC01410	long intergenic non-protein coding RNA 1410	Other
-7.717	ENSG00000223704	LINC01422	long intergenic non-protein coding RNA 1422	Other
-6.255	ENSG00000237877	LINC01473	long intergenic non-protein coding RNA 1473	Other
-7.391	ENSG00000233901	LINC01503	long intergenic non-protein coding RNA 1503	Other
-6.196	ENSG00000225434	LINC01504	long intergenic non-protein coding RNA 1504	Other
-6.468	ENSG00000234506	LINC01506	long intergenic non-protein coding RNA 1506	Other
-6.023	ENSG00000213888	LINC01521	long intergenic non-protein coding RNA 1521	Other
-8.303	ENSG00000246223	LINC01550	long intergenic non-protein coding RNA 1550	Other
-6.343	ENSG00000261008	LINC01572	long intergenic non-protein coding RNA 1572	Other
-7.95	ENSG00000214900	LINC01588	long intergenic non-protein coding RNA 1588	Other
-9.744	ENSG00000257242	LINC01619	long intergenic non-protein coding RNA 1619	Other
-6.575	ENSG00000237476	LINC01637	long intergenic non-protein coding RNA 1637	Other
-6.292	ENSG00000225331	LINC01678	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.076	ENSG00000237484	LINC01684	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.633	ENSG00000226029	LINC01772	long intergenic non-protein coding RNA 1772	Other
-5.876	ENSG00000227403	LINC01806	long intergenic non-protein coding RNA 1806	Other
-5.314	ENSG00000231826	LINC01819	long intergenic non-protein coding RNA 1819	Other
-6.191	ENSG00000235576	LINC01871	long intergenic non-protein coding RNA 1871	Other
-7.11	ENSG00000234663	LINC01934	long intergenic non-protein coding RNA 1934	Other
-7.889	ENSG00000260804	LINC01963	long intergenic non-protein coding RNA 1963	Other
-8.018	ENSG00000267321	LINC02001	long intergenic non-protein coding RNA 2001	Other
-5.609	ENSG00000272690	LINC02018	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.399	ENSG00000273356	LINC02019	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.813	ENSG00000273033	LINC02035	long intergenic non-protein coding RNA 2035	Other
-6.394	ENSG00000272282	LINC02084	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.559	ENSG00000262155	LINC02175	long intergenic non-protein coding RNA 2175	Other
-6.174	ENSG00000258476	LINC02207	long intergenic non-protein coding RNA 2207	Other
-7.427	ENSG00000204650	LINC02210	long intergenic non-protein coding RNA 2210	Other
-6.446	ENSG00000261064	LINC02256	long intergenic non-protein coding RNA 2256	Other
-6.416	ENSG00000245954	LINC02273	long intergenic non-protein coding RNA 2273	Other
-7.176	ENSG00000258733	LINC02328	long intergenic non-protein coding RNA 2328	Other
-7.509	ENSG00000259448	LINC02352	long intergenic non-protein coding RNA 2352	Other
-7.154	ENSG00000256576	LINC02361	long intergenic non-protein coding RNA 2361	Other
-6.683	ENSG00000249096	LINC02362	long intergenic non-protein coding RNA 2362	Other
-8.541	ENSG00000251301	LINC02384	long intergenic non-protein coding RNA 2384	Other
-5.994	ENSG00000256582	LINC02390	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.096	ENSG00000205056	LINC02397	long intergenic non-protein coding RNA 2397	Other
-5.759	ENSG00000255760	LINC02422	long intergenic non-protein coding RNA 2422	Other
-9.275	ENSG00000248810	LINC02432	long intergenic non-protein coding RNA 2432	Other
-7.419	ENSG00000256039	LINC02446	long intergenic non-protein coding RNA 2446	Other
-5.694	ENSG00000245017	LINC02453	long intergenic non-protein coding RNA 2453	Other
-6.444	ENSG00000246363	LINC02458	long intergenic non-protein coding RNA 2458	Other
-6.254	ENSG00000225231	LINC02470	long intergenic non-protein coding RNA 2470	Other
-6.559	ENSG00000226791	LINC02611	long intergenic non-protein coding RNA 2611	Other
-8.216	ENSG00000215244	LINC02649	long intergenic non-protein coding RNA 2649	Other
-6.983	ENSG00000212743	LINC02656	long intergenic non-protein coding RNA 2656	Other
-5.115	ENSG00000253641	LINC00001	uncharacterized LINC00001	Other
-5.556	ENSG00000174482	LINGO2	leucine rich repeat and Ig domain containing 2	Extracellular Space
-5.675	ENSG00000220008	LINGO3	leucine rich repeat and Ig domain containing 3	Other
-7.954	ENSG00000079435	LIPE	lipase E, hormone sensitive type	Cytoplasm
-6.502	ENSG00000213904	LIPE-AS1	LIPE antisense RNA 1	Other
-7.376	ENSG00000204020	LIPN	lipase family member N	Extracellular Space
-7.851	ENSG00000144182	LIPT1	lipoyltransferase 1	Cytoplasm
-5.957	ENSG00000239407	LLOXNC01_237H12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.725	ENSG00000272825	LL21NC02_1C162	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.68	ENSG00000139233	LLPH	LLP homolog, long-term synaptic facilitation factor	Extracellular Space
-10.36	ENSG00000100258	LMF2	lipase maturation factor 2	Other
-7.532	ENSG00000185522	LMNTD2	lamin tail domain containing 2	Other
-9.796	ENSG00000143013	LMO4	LIM domain only 4	Nucleus
-4.201	ENSG00000113441	LNPEP	leucyl and cystinyl aminopeptidase	Cytoplasm
-4.839	ENSG00000250274	LOC100128059	uncharacterized LOC100128059	Other
-7.196	ENSG00000251143	LOC100128494	uncharacterized LOC100128494	Other

-6.521	ENSG00000255441	LOC100129083	uncharacterized LOC100129083	Other
-7.113	ENSG00000226180	LOC100129215	uncharacterized LOC100129215	Other
-5.005	ENSG00000269896	LOC100129534	small nuclear ribonucleoprotein polypeptide N pseudogene	Other
-6.501	ENSG00000260276	LOC100130283	uncharacterized LOC100130283	Other
-6.614	ENSG00000213963	LOC100130691	uncharacterized LOC100130691	Other
-6.629	ENSG00000263843	LOC100287042	uncharacterized LOC100287042	Other
-4.759	ENSG00000228606	LOC100287049	uncharacterized LOC100287049	Other
-5.625	ENSG00000254837	LOC100287896	uncharacterized LOC100287896	Other
-6.493	ENSG00000258940	LOC100288846	uncharacterized LOC100288846	Other
-7.106	ENSG00000232528	LOC100289473	cytoskeleton associated protein 2-like pseudogene	Other
-6.39	ENSG00000239969	LOC100289561	uncharacterized LOC100289561	Other
-7.783	ENSG00000250771	LOC100419170	toll like receptor 2 pseudogene	Other
-6.023	ENSG00000167912	LOC100505501	uncharacterized LOC100505501	Other
-7.503	ENSG00000267040	LOC100505549	uncharacterized LOC100505549	Other
-7.025	ENSG00000254887	LOC100505622	uncharacterized LOC100505622	Other
-5.168	ENSG00000260735	LOC100505915	uncharacterized LOC100505915	Other
-5.671	ENSG00000223478	LOC100506100	uncharacterized LOC100506100	Other
-8.184	ENSG00000251364	LOC100506258	uncharacterized LOC100506258	Other
-6.538	ENSG00000216895	LOC100506302	uncharacterized LOC100506302	Other
-9.408	ENSG00000233038	LOC100506585	uncharacterized LOC100506585	Other
-6.178	ENSG00000257176	LOC100506606	uncharacterized LOC100506606	Other
-6.351	ENSG00000246090	LOC100507053	uncharacterized LOC100507053	Other
-5.796	ENSG00000269439	LOC100507551	uncharacterized LOC100507551	Other
-6.787	ENSG00000226824	LOC100996437	uncharacterized LOC100996437	Other
-8.893	ENSG00000241860	LOC100996442	uncharacterized LOC100996442	Other
-6.412	ENSG00000181908	LOC100996455	uncharacterized LOC100996455	Other
-7.952	ENSG00000267575	LOC101927151	uncharacterized LOC101927151	Other
-5.509	ENSG00000267698	LOC101927572	uncharacterized LOC101927572	Other
-4.951	ENSG00000258731	LOC101927620	uncharacterized LOC101927620	Other
-5.985	ENSG00000254718	LOC101927702	uncharacterized LOC101927702	Other
-5.753	ENSG00000270049	LOC101927837	uncharacterized LOC101927837	Other
-7.877	ENSG00000230910	LOC101928307	uncharacterized LOC101928307	Other
-6.58	ENSG00000225891	LOC101928324	uncharacterized LOC101928324	Other
-7.455	ENSG00000261222	LOC101928343	uncharacterized LOC101928343	Other
-7.912	ENSG00000259319	LOC101928377	uncharacterized LOC101928377	Other
-6.561	ENSG00000251323	LOC101928865	uncharacterized LOC101928865	Other
-5.745	ENSG00000224307	LOC101929331	uncharacterized LOC101929331	Other
-5.392	ENSG00000226659	LOC101929574	uncharacterized LOC101929574	Other
-5.704	ENSG00000245213	LOC101930370	uncharacterized LOC101930370	Other
-5.5	ENSG00000247199	LOC102546294	uncharacterized LOC102546294	Other
-6.037	ENSG00000233184	LOC102606465	uncharacterized LOC102606465	Other
-6.384	ENSG00000271109	LOC102723540	uncharacterized LOC102723540	Other
-7.072	ENSG00000225032	LOC102723566	uncharacterized LOC102723566	Other
-7.211	ENSG00000272758	LOC102723582	uncharacterized LOC102723582	Other
-7.35	ENSG00000228801	LOC102724330	uncharacterized LOC102724330	Other
-5.853	ENSG00000227373	LOC102724601	uncharacterized LOC102724601	Other
-4.62	ENSG00000258727	LOC102724814	uncharacterized LOC102724814	Other
-7.028	ENSG00000230155	LOC102725201	uncharacterized LOC102725201	Other
-5.741	ENSG00000250508	LOC105369364	uncharacterized LOC105369364	Other
-6.498	ENSG00000255929	LOC105369438	uncharacterized LOC105369438	Other
-6.174	ENSG00000255422	LOC105369519	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.314	ENSG00000246790	LOC105369536	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.061	ENSG00000261136	LOC105370941	uncharacterized LOC105370941	Other
-6.411	ENSG00000266036	LOC105371893	uncharacterized LOC105371893	Other
-6.99	ENSG00000267751	LOC105372233	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.731	ENSG00000268516	LOC105372482	uncharacterized LOC105372482	Other
-6.16	ENSG00000234072	LOC105374363	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.865	ENSG00000227014	LOC105375215	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.165	ENSG00000253948	LOC105375666	uncharacterized LOC105375666	Other
-7.294	ENSG00000254006	LOC105375878	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.921	ENSG00000238142	LOC105376805	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.839	ENSG00000239636	LOC105378645	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.82	ENSG00000231680	LOC107984366	uncharacterized LOC107984366	Other
-7.266	ENSG00000235530	LOC107984969	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.402	ENSG00000266962	LOC108783654	uncharacterized LOC108783654	Other
-7.13	ENSG00000255284	LOC171391	uncharacterized LOC171391	Other
-8.526	ENSG00000233392	LOC200772	uncharacterized LOC200772	Other
-4.875	ENSG00000250303	LOC283140	uncharacterized LOC283140	Other
-9.538	ENSG00000267121	LOC339192	uncharacterized LOC339192	Other
-5.742	ENSG00000212978	LOC339803	uncharacterized LOC339803	Other
-7.762	ENSG00000250608	LOC339874	uncharacterized LOC339874	Other
-9.852	ENSG00000256594	LOC374443	C-type lectin domain family 2 member D pseudogene	Other
-8.046	ENSG00000224152	LOC643072	uncharacterized LOC643072	Other
-9.564	ENSG00000260078	LOC643802	u3 small nucleolar ribonucleoprotein protein MPP10-like	Other
-9.24	ENSG00000245958	LOC645513	septin 7 pseudogene	Other
-8.16	ENSG00000241014	LOC653160	uncharacterized LOC653160	Other
-5.723	ENSG00000170089	LOC728554	THO complex 3 pseudogene	Other
-7.491	ENSG00000188002	LOC728613	programmed cell death 6 pseudogene	Other
-9.489	ENSG00000213073	LOC729603	calcineurin like EF-hand protein 1 pseudogene	Other
-6.06	ENSG00000227741	LOC729867	uncharacterized LOC729867	Other
-9.167	ENSG00000175556	LONRF3	LON peptidase N-terminal domain and ring finger 3	Other
-6.285	ENSG00000261801	LOXL1-AS1	LOXL1 antisense RNA 1	Other
-7.533	ENSG00000134013	LOXL2	lysyl oxidase like 2	Extracellular Space
-7.098	ENSG00000213071	LPAL2	lipoprotein(a) like 2, pseudogene	Other
-7.436	ENSG00000198121	LPAR1	lysophosphatidic acid receptor 1	Plasma Membrane
-9.669	ENSG00000064547	LPAR2	lysophosphatidic acid receptor 2	Plasma Membrane
-10.166	ENSG00000139679	LPAR6	lysophosphatidic acid receptor 6	Plasma Membrane
-7.374	ENSG00000175445	LPL	lipoprotein lipase	Cytoplasm
-11.023	ENSG00000110031	LPXN	leupaxin	Cytoplasm
-8.825	ENSG00000171236	LRG1	leucine rich alpha-2-glycoprotein 1	Extracellular Space
-4.694	ENSG00000155530	LRGUK	leucine rich repeats and guanylate kinase domain containing	Cytoplasm

-9.074	ENSG00000121931	LRF1	ligand dependent nuclear receptor interacting factor 1	Nucleus
-9.711	ENSG00000123384	LRP1	LDL receptor related protein 1	Plasma Membrane
-5.01	ENSG00000172731	LRRCC20	leucine rich repeat containing 20	Other
-6.826	ENSG00000010626	LRRCC23	leucine rich repeat containing 23	Plasma Membrane
-11.895	ENSG00000175489	LRRCC25	leucine rich repeat containing 25	Other
-8.539	ENSG00000168904	LRRCC28	leucine rich repeat containing 28	Other
-6.433	ENSG00000125122	LRRCC29	leucine rich repeat containing 29	Other
-9.449	ENSG00000230069	LRRCC37A15P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.035	ENSG00000263142	LRRCC37A17P	leucine rich repeat containing 37 member A17, pseudogene	Other
-6.562	ENSG00000176681	LRRCC37A3 (includes others)	leucine rich repeat containing 37 member A3	Other
-7.026	ENSG00000250462	LRRCC37BP1	leucine rich repeat containing 37B pseudogene 1	Other
-9.687	ENSG00000128594	LRRCC4	leucine rich repeat containing 4	Plasma Membrane
-9.06	ENSG00000066557	LRRCC40	leucine rich repeat containing 40	Nucleus
-5.19	ENSG00000161328	LRRCC56	leucine rich repeat containing 56	Other
-7.899	ENSG00000129295	LRRCC6	leucine rich repeat containing 6	Cytoplasm
-6.141	ENSG00000214954	LRRCC69	leucine rich repeat containing 69	Other
-5.778	ENSG00000178026	LRRCC75B	leucine rich repeat containing 75B	Other
-5.953	ENSG00000231999	LRRCC8C-DT	LRRCC8C divergent transcript	Other
-14.196	ENSG00000188906	LRRK2	leucine rich repeat kinase 2	Cytoplasm
-8.542	ENSG00000175928	LRRN1	leucine rich repeat neuronal 1	Other
-8.828	ENSG00000204392	LSM2	LSM2 homolog, U6 small nuclear RNA and mRNA degradation associated	Nucleus
-7.618	ENSG00000130592	LSP1	lymphocyte specific protein 1	Cytoplasm
-7.519	ENSG00000204482	LST1	leukocyte specific transcript 1	Plasma Membrane
-6.168	ENSG00000226979	LTA	lymphotoxin alpha	Extracellular Space
-10.437	ENSG00000227507	LTB	lymphotoxin beta	Extracellular Space
-4.434	ENSG00000213903	LTB4R	leukotriene B4 receptor	Plasma Membrane
-7.489	ENSG00000119681	LTBP2	latent transforming growth factor beta binding protein 2	Extracellular Space
-10.322	ENSG00000090006	LTBP4	latent transforming growth factor beta binding protein 4	Extracellular Space
-16.289	ENSG00000012223	LTF	lactotransferrin	Extracellular Space
-5.97	ENSG00000062524	LTK	leukocyte receptor tyrosine kinase	Plasma Membrane
-7.343	ENSG00000248323	LUCAT1	lung cancer associated transcript 1	Other
-6.95	ENSG00000240053	LY6GSB	lymphocyte antigen 6 family member G5B	Other
-9.781	ENSG00000054219	LY75	lymphocyte antigen 75	Plasma Membrane
-9.814	ENSG00000112799	LY86	lymphocyte antigen 86	Plasma Membrane
-9.892	ENSG00000122224	LY9	lymphocyte antigen 9	Plasma Membrane
-8.409	ENSG00000154589	LY96	lymphocyte antigen 96	Plasma Membrane
-2.082	ENSG00000254087	LYN	LYN proto-oncogene, Src family tyrosine kinase	Cytoplasm
-7.004	ENSG00000180155	LYNX1	Ly6/neurotoxin 1	Plasma Membrane
-4.371	ENSG00000186687	LYRM7	LYR motif containing 7	Cytoplasm
-7.669	ENSG00000232859	LYRM9	LYR motif containing 9	Other
-16.996	ENSG00000090382	LYZ	lysozyme	Extracellular Space
-7.081	ENSG00000061337	LZTS1	leucine zipper tumor suppressor 1	Nucleus
-5.858	ENSG00000159374	M1AP	meiosis 1 associated protein	Cytoplasm
-5.797	ENSG00000133315	MACROD1	mono-ADP ribosylhydrolase 1	Cytoplasm
-5.34	ENSG00000172264	MACROD2	mono-ADP ribosylhydrolase 2	Nucleus
-7.68	ENSG00000162972	MAIP1	matrix AAA peptidase interacting protein 1	Cytoplasm
-6.455	ENSG00000111837	MAK	male germ cell associated kinase	Cytoplasm
-8.948	ENSG00000172005	MAL	mal, T cell differentiation protein	Plasma Membrane
-7.3	ENSG00000013619	MAMLD1	mastermind like domain containing 1	Nucleus
-9.451	ENSG00000117643	MAN1C1	mannosidase alpha class 1C member 1	Cytoplasm
-2.098	ENSG00000109323	MANBA	mannosidase beta	Cytoplasm
-8.351	ENSG00000101363	MANBAL	mannosidase beta like	Other
-7.78	ENSG00000261366	MANEA-DT	MANEA divergent transcript	Other
-7.836	ENSG00000212916	MAP10	microtubule associated protein 10	Extracellular Space
-2.037	ENSG00000034152	MAP2K3	mitogen-activated protein kinase kinase 3	Cytoplasm
-7.004	ENSG00000137764	MAP2K5	mitogen-activated protein kinase kinase 5	Cytoplasm
-10.296	ENSG00000108984	MAP2K6	mitogen-activated protein kinase kinase 6	Cytoplasm
-3.594	ENSG00000095015	MAP3K1	mitogen-activated protein kinase kinase kinase 1	Cytoplasm
-9.205	ENSG00000139625	MAP3K12	mitogen-activated protein kinase kinase kinase 12	Cytoplasm
-5.668	ENSG00000267278	MAP3K14-AS1	MAP3K14 antisense RNA 1	Other
-6.704	ENSG00000180815	MAP3K15	mitogen-activated protein kinase kinase kinase 15	Other
-7.443	ENSG00000143674	MAP3K21	mitogen-activated protein kinase kinase kinase 21	Other
-7.997	ENSG00000234608	MAPKAPKS-AS1	MAPKAPKS antisense RNA 1	Other
-12.478	ENSG00000145416	1-Mar	membrane associated ring-CH-type finger 1	Cytoplasm
-10.322	ENSG00000019169	MARCO	macrophage receptor with collagenous structure	Plasma Membrane
-7.444	ENSG00000247626	MARS2	methionyl-tRNA synthetase 2, mitochondrial	Cytoplasm
-9.456	ENSG00000155254	MARVELD1	MARVEL domain containing 1	Other
-10.815	ENSG00000007264	MATK	megakaryocyte-associated tyrosine kinase	Cytoplasm
-7.442	ENSG00000186056	MATN1-AS1	MATN1 antisense RNA 1	Other
-5.9	ENSG00000132561	MATN2	matrilin 2	Extracellular Space
-7.549	ENSG00000180611	MB21D2	Mab-21 domain containing 2	Other
-6.236	ENSG00000214309	MBLAC1	metallo-beta-lactamase domain containing 1	Other
-7.859	ENSG00000176055	MBLAC2	metallo-beta-lactamase domain containing 2	Cytoplasm
-10.417	ENSG00000172197	MBOAT1	membrane bound O-acetyltransferase domain containing 1	Cytoplasm
-9.085	ENSG00000012174	MBTPS2	membrane bound transcription factor peptidase, site 2	Cytoplasm
-7.021	ENSG00000258839	MC1R	melanocortin 1 receptor	Plasma Membrane
-9.988	ENSG00000183019	MCEMP1	mast cell expressed membrane protein 1	Cytoplasm
-5.493	ENSG00000101977	MCF2	MCF2 cell line derived transforming sequence	Cytoplasm
-10.585	ENSG000000909674	MCOLN1	mucopolipin 1	Cytoplasm
-8.418	ENSG00000153898	MCOLN2	mucopolipin 2	Plasma Membrane
-5.391	ENSG00000147316	MCPH1	microcephalin 1	Nucleus
-8.017	ENSG00000172366	MCRIP2	MAPK regulated corepressor interacting protein 2	Cytoplasm
-6.013	ENSG00000101898	MCTS2P	MCTS family member 2, pseudogene	Other
-10.214	ENSG00000005059	MCUB	mitochondrial calcium uniporter dominant negative beta subunit	Cytoplasm
-7.442	ENSG00000262402	MCUR1P1	MCUR1 pseudogene 1	Other
-11.466	ENSG00000135272	MDFC	MyoD family inhibitor domain containing	Nucleus
-10.108	ENSG00000014641	MDH1	malate dehydrogenase 1	Cytoplasm
-7.022	ENSG00000151376	ME3	malic enzyme 3	Cytoplasm
-7	ENSG000000042429	MED17	mediator complex subunit 17	Nucleus
-7.191	ENSG00000108590	MED31	mediator complex subunit 31	Nucleus
-4.216	ENSG00000136146	MED4	mediator complex subunit 4	Nucleus

-12.744	ENSG00000103313	MEFV	MEFV innate immunity regulator, pyrin	Nucleus
-5.57	ENSG00000106780	MEGF9	multiple EGF like domains 9	Extracellular Space
-8.056	ENSG00000167077	MEI1	meiotic double-stranded break formation protein 1	Other
-11.41	ENSG00000176845	METRNL	meteorin like, glial cell differentiation regulator	Cytoplasm
-9.156	ENSG00000144401	METTL21A	methyltransferase like 21A	Nucleus
-6.319	ENSG00000250878	METTL21EP	methyltransferase like 21E, pseudogene	Other
-7.45	ENSG00000181038	METTL23	methyltransferase like 23	Cytoplasm
-8.867	ENSG00000127720	METTL25	methyltransferase like 25	Extracellular Space
-6.188	ENSG00000161091	MFSD12	major facilitator superfamily domain containing 12	Cytoplasm
-7.85	ENSG00000138111	MFSD13A	major facilitator superfamily domain containing 13A	Other
-9.299	ENSG00000196312	MFSD14C	major facilitator superfamily domain containing 14C	Other
-7.215	ENSG00000168389	MFSD2A	major facilitator superfamily domain containing 2A	Plasma Membrane
-6.047	ENSG00000167700	MFSD3	major facilitator superfamily domain containing 3	Other
-8.22	ENSG00000182544	MFSD5	major facilitator superfamily domain containing 5	Other
-8.722	ENSG00000135953	MFSD9	major facilitator superfamily domain containing 9	Other
-5.637	ENSG00000257335	MGAM	maltae-glucoamylase	Plasma Membrane
-6.533	ENSG00000257743	MGAM2	maltae-glucoamylase 2 (putative)	Other
-4.823	ENSG00000131446	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	Cytoplasm
-5.232	ENSG00000071073	MGAT4A	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A	Cytoplasm
-7.701	ENSG00000266709	MGC12916	uncharacterized protein MGC12916	Other
-7.261	ENSG00000246731	MGC16275	uncharacterized protein MGC16275	Other
-9.046	ENSG00000244625	MIATNB	MIAT neighbor	Other
-8.816	ENSG00000204520	MICA	MHC class I polypeptide-related sequence A	Plasma Membrane
-10.021	ENSG00000204516	MICB	MHC class I polypeptide-related sequence B	Plasma Membrane
-6.734	ENSG00000273340	MICE	MHC class I polypeptide-related sequence E (pseudogene)	Other
-7.196	ENSG00000173436	MICOS10	mitochondrial contact site and cristae organizing system subunit 10	Cytoplasm
-8.198	ENSG00000174917	MICOS13	mitochondrial contact site and cristae organizing system subunit 13	Cytoplasm
-6.904	ENSG00000165175	MID1P1	MID1 interacting protein 1	Cytoplasm
-6.856	ENSG00000080561	MID2	midline 2	Cytoplasm
-5.817	ENSG00000218537	MIF-AS1	MIF antisense RNA 1	Other
-7.97	ENSG00000271605	MILR1	mast cell immunoglobulin like receptor 1	Other
-7.342	ENSG00000169330	MINAR1	membrane integral NOTCH2 associated receptor 1	Plasma Membrane
-5.39	ENSG00000253716	MINCR	MYC-induced long non-coding RNA	Other
-6.22	ENSG00000233325	MIPEPP3	mitochondrial intermediate peptidase pseudogene 3	Other
-6.668	ENSG00000221792	mir-1282	microRNA 1282	Cytoplasm
-5.69	ENSG00000222831	mir-1537	microRNA 1537	Cytoplasm
-4.922	ENSG00000199121	mir-26	microRNA 26b	Cytoplasm
-5.632	ENSG00000263628	mir-3155	microRNA 3155a	Cytoplasm
-6.888	ENSG00000263831	mir-378	microRNA 378a	Cytoplasm
-7.761	ENSG00000266017	mir-4477	microRNA 4477b	Cytoplasm
-5.577	ENSG00000265694	mir-4774	microRNA 4774	Cytoplasm
-5.627	ENSG00000207650	mir-548	microRNA 579	Cytoplasm
-5.058	ENSG00000207546	mir-548	microRNA 579	Cytoplasm
-7.07	ENSG00000207750	mir-553	microRNA 553	Cytoplasm
-6.569	ENSG00000207741	mir-590	microRNA 590	Cytoplasm
-5.822	ENSG00000207719	mir-623	microRNA 623	Cytoplasm
-6.539	ENSG00000208018	mir-645	microRNA 645	Cytoplasm
-6.108	ENSG00000221184	MIR1254-1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.16	ENSG00000229989	MIR181A1HG	MIR181A1 host gene	Other
-5.861	ENSG00000270069	MIR222HG	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.664	ENSG00000265396	MIR3128	microRNA 3128	Cytoplasm
-5.191	ENSG00000263813	MIR3679	microRNA 3679	Cytoplasm
-6.154	ENSG00000265806	MIR4292	microRNA 4292	Cytoplasm
-6.945	ENSG00000265195	MIR4312	microRNA 4312	Cytoplasm
-7.456	ENSG00000268471	MIR4453HG	MIR4453 host gene	Other
-6.907	ENSG00000266305	MIR4518	microRNA 4518	Cytoplasm
-6.386	ENSG00000263712	MIR4639	microRNA 4639	Cytoplasm
-6.197	ENSG00000264616	MIR4755	microRNA 4755	Cytoplasm
-6.793	ENSG00000264268	MIR4767	microRNA 4767	Cytoplasm
-5.183	ENSG00000223749	MIR503HG	MIR503 host gene	Other
-5.245	ENSG00000266097	MIR5192	microRNA 5192	Other
-7.789	ENSG00000264653	MIR5194	microRNA 5194	Other
-8.491	ENSG00000228340	MIR646HG	MIR646 host gene	Other
-6.466	ENSG00000260083	MIR762HG	MIR762 host gene	Other
-3.325	ENSG00000129534	MIS18BP1	MIS18 binding protein 1	Nucleus
-5.987	ENSG00000224430	MKRN5P	makorin ring finger protein 5, pseudogene	Other
-6.974	ENSG00000213190	MLLT11	MLLT11 transcription factor 7 cofactor	Cytoplasm
-9.218	ENSG00000103150	MLYCD	malonyl-CoA decarboxylase	Cytoplasm
-9.234	ENSG00000198598	MMP17	matrix metalloproteinase 17	Extracellular Space
-14.303	ENSG00000118113	MMP8	matrix metalloproteinase 8	Extracellular Space
-14.33	ENSG00000100985	MMP9	matrix metalloproteinase 9	Extracellular Space
-6.654	ENSG00000169184	MN1	MN1 proto-oncogene, transcriptional regulator	Nucleus
-15.092	ENSG00000163563	MNDA	myeloid cell nuclear differentiation antigen	Nucleus
-7.407	ENSG00000164077	MON1A	MON1 homolog A, secretory trafficking associated	Cytoplasm
-5.108	ENSG00000231154	MORF4L2-AS1	MORF4L2 antisense RNA 1	Other
-6.766	ENSG00000116151	MORN1	MORN repeat containing 1	Other
-8.329	ENSG00000185716	MOSMO	modulator of smoothened	Other
-4.312	ENSG00000106330	MOSPD3	motile sperm domain containing 3	Other
-14.878	ENSG00000197629	MPEG1	macrophage expressed 1	Cytoplasm
-13.188	ENSG0000005381	MPO	myeloperoxidase	Cytoplasm
-6.282	ENSG00000254858	MPV17L2	MPV17 mitochondrial inner membrane protein like 2	Cytoplasm
-6.882	ENSG00000158887	MPZ	myelin protein zero	Plasma Membrane
-6.338	ENSG00000153029	MR1	major histocompatibility complex, class I-related	Plasma Membrane
-7.629	ENSG00000158186	MRAS	muscle RAS oncogene homolog	Plasma Membrane
-5.634	ENSG00000011028	MRC2	mannose receptor C type 2	Plasma Membrane
-5.735	ENSG00000101353	MROH8	maestro heat like repeat family member 8	Other
-8.726	ENSG00000169288	MRPL1	mitochondrial ribosomal protein L1	Cytoplasm
-7.671	ENSG00000180992	MRPL14	mitochondrial ribosomal protein L14	Cytoplasm
-4.587	ENSG00000112651	MRPL2	mitochondrial ribosomal protein L2	Extracellular Space
-7.268	ENSG00000224870	MRPL20-AS1	MRPL20 antisense RNA 1	Other
-9.348	ENSG00000197345	MRPL21	mitochondrial ribosomal protein L21	Cytoplasm

-8.617	ENSG000000082515	MRPL22	mitochondrial ribosomal protein L22	Cytoplasm
-8.153	ENSG00000130312	MRPL34	mitochondrial ribosomal protein L34	Cytoplasm
-6.526	ENSG00000204316	MRPL38	mitochondrial ribosomal protein L38	Cytoplasm
-8.243	ENSG00000154719	MRPL39	mitochondrial ribosomal protein L39	Cytoplasm
-8.277	ENSG00000105364	MRPL4	mitochondrial ribosomal protein L4	Cytoplasm
-9.253	ENSG00000055950	MRPL43	mitochondrial ribosomal protein L43	Cytoplasm
-6.847	ENSG00000228782	MRPL45P2	mitochondrial ribosomal protein L45 pseudogene 2	Other
-9.276	ENSG00000136522	MRPL47	mitochondrial ribosomal protein L47	Cytoplasm
-9.291	ENSG00000175581	MRPL48	mitochondrial ribosomal protein L48	Cytoplasm
-8.507	ENSG00000162910	MRPL55	mitochondrial ribosomal protein L55	Cytoplasm
-9.224	ENSG00000181991	MRPS11	mitochondrial ribosomal protein S11	Cytoplasm
-4.977	ENSG00000062582	MRPS24	mitochondrial ribosomal protein S24	Cytoplasm
-5.67	ENSG00000147586	MRPS28	mitochondrial ribosomal protein S28	Cytoplasm
-7.154	ENSG00000243406	MRPS31P5	mitochondrial ribosomal protein S31 pseudogene 5	Other
-8.774	ENSG00000134056	MRPS36	mitochondrial ribosomal protein S36	Cytoplasm
-10.074	ENSG00000156738	MS4A1	membrane spanning 4-domains A1	Plasma Membrane
-10.053	ENSG00000166928	MS4A14	membrane spanning 4-domains A14	Other
-7.385	ENSG00000149534	MS4A2	membrane spanning 4-domains A2	Plasma Membrane
-11.459	ENSG00000149516	MS4A3	membrane spanning 4-domains A3	Plasma Membrane
-8.6	ENSG00000110079	MS4A4A	membrane spanning 4-domains A4A	Cytoplasm
-7.899	ENSG00000214787	MS4A4E	membrane spanning 4-domains A4E	Other
-13.078	ENSG00000110077	MS4A6A	membrane spanning 4-domains A6A	Other
-11.924	ENSG00000166927	MS4A7	membrane spanning 4-domains A7	Other
-7.978	ENSG00000120458	MSANTD2	Myb/SANT DNA binding domain containing 2	Other
-6.343	ENSG00000204410	MSH5	mutS homolog 5	Nucleus
-10.206	ENSG00000038945	MSR1	macrophage scavenger receptor 1	Plasma Membrane
-11.851	ENSG00000198736	MSRB1	methionine sulfoxide reductase B1	Nucleus
-7.993	ENSG00000148450	MSRB2	methionine sulfoxide reductase B2	Cytoplasm
-7.909	ENSG00000166343	MSS51	MSS51 mitochondrial translational activator	Other
-8.577	ENSG00000210127	MT-TA	tRNA	Cytoplasm
-5.197	ENSG00000210194	MT-TE	tRNA	Cytoplasm
-7.849	ENSG00000210151	MT-TS1	tRNA	Cytoplasm
-9.148	ENSG00000210117	MT-TW	tRNA	Cytoplasm
-6.719	ENSG00000169715	MT1E	metallothionein 1E	Other
-6.293	ENSG00000198417	MT1F	metallothionein 1F	Other
-5.609	ENSG00000187193	MT1X	metallothionein 1X	Other
-9.719	ENSG00000125148	MT2A	metallothionein 2A	Cytoplasm
-2.415	ENSG00000149480	MTA2	metastasis associated 1 family member 2	Nucleus
-8.185	ENSG00000224083	MTCO1P11	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-3.972	ENSG00000237973	MTCO1P12	MT-CO1 pseudogene 12	Other
-6.675	ENSG00000235917	MTCO2P11	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.465	ENSG00000237711	MTCO3P11	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.558	ENSG00000259671	MTCYBP23	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.481	ENSG00000232373	MTCYBP3	MT-CYB pseudogene 3	Other
-9.127	ENSG00000127989	MTERF1	mitochondrial transcription termination factor 1	Cytoplasm
-11.756	ENSG00000188786	MTF1	metal regulatory transcription factor 1	Nucleus
-6.189	ENSG00000175701	MTLN	mitoregulin	Cytoplasm
-7.631	ENSG00000228166	MTND1P11	MT-ND1 pseudogene 11	Other
-7.136	ENSG00000230225	MTND5P14	MT-ND5 pseudogene 14	Other
-6.673	ENSG00000229622	MTND5P2	MT-ND5 pseudogene 2	Other
-7.601	ENSG00000259379	MTND5P32	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.105	ENSG00000227730	MTND6P5	MT-ND6 pseudogene 5	Other
-8.927	ENSG00000107951	MTPAP	mitochondrial poly(A) polymerase	Cytoplasm
-8.774	ENSG00000141971	MVB12A	multivesicular body subunit 12A	Cytoplasm
-12.334	ENSG00000183486	MX2	MX dynamin like GTPase 2	Nucleus
-9.519	ENSG00000213347	MXD3	MAX dimerization protein 3	Nucleus
-11.908	ENSG00000185697	MYB11	MYB proto-oncogene like 1	Nucleus
-7.616	ENSG00000134571	MYBPC3	myosin binding protein C, cardiac	Cytoplasm
-9.905	ENSG00000116990	MYCL	MYCL proto-oncogene, bHLH transcription factor	Nucleus
-7.391	ENSG00000109063	MYH3	myosin heavy chain 3	Cytoplasm
-11.619	ENSG00000142347	MYO1F	myosin IF	Cytoplasm
-13.897	ENSG00000136286	MYO1G	myosin IG	Cytoplasm
-8.716	ENSG00000137474	MYO7A	myosin VIIA	Cytoplasm
-9.186	ENSG00000036448	MYOM2	myomesin 2	Cytoplasm
-5.753	ENSG00000170476	MZB1	marginal zone B and B1 cell specific protein	Extracellular Space
-8.191	ENSG00000204899	MZT1	mitotic spindle organizing protein 1	Cytoplasm
-5.202	ENSG00000145911	N4BP3	NEDD4 binding protein 3	Cytoplasm
-7.181	ENSG00000156239	N6AMT1	N-6 adenine-specific DNA methyltransferase 1	Cytoplasm
-8.628	ENSG00000122390	NAA60	N(alpha)-acetyltransferase 60, NatF catalytic subunit	Cytoplasm
-7.231	ENSG00000168060	NAALADL1	N-acetylated alpha-linked acidic dipeptidase like 1	Plasma Membrane
-4.385	ENSG00000148411	NACC2	NACC family member 2	Nucleus
-4.192	ENSG00000124357	NAGK	N-acetylglucosamine kinase	Cytoplasm
-9.843	ENSG00000103174	NAGPA	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Cytoplasm
-5.488	ENSG00000161653	NAGS	N-acetylglutamate synthase	Cytoplasm
-10.932	ENSG00000249437	NAIP	NLR family apoptosis inhibitory protein	Cytoplasm
-6.541	ENSG00000237065	NANOGP4	Nanog homeobox pseudogene 4	Other
-8.063	ENSG00000186462	NAP1L2	nucleosome assembly protein 1 like 2	Nucleus
-7.071	ENSG00000186310	NAP1L3	nucleosome assembly protein 1 like 3	Nucleus
-9.031	ENSG00000177173	NAP1L4P1	nucleosome assembly protein 1 like 4 pseudogene 1	Other
-6.811	ENSG00000177432	NAP1L5	nucleosome assembly protein 1 like 5	Other
-5.075	ENSG00000268061	NAPA-AS1	NAPA antisense RNA 1	Other
-9.742	ENSG00000131401	NAPSB	napsin B aspartic peptidase, pseudogene	Other
-6.324	ENSG00000266236	NARF-IT1	NARF intronic transcript 1	Other
-7.211	ENSG00000171428	NAT1	N-acetyltransferase 1	Cytoplasm
-7.808	ENSG00000198496	NBR2	neighbor of BRCA1 lncRNA 2	Other
-10.404	ENSG00000149294	NCAM1	neural cell adhesion molecule 1	Plasma Membrane
-12.794	ENSG00000158517	NCF1	neutrophil cytosolic factor 1	Cytoplasm
-11.718	ENSG00000182487	NCF1B	neutrophil cytosolic factor 1B pseudogene	Other
-11.316	ENSG00000165178	NCF1C	neutrophil cytosolic factor 1C pseudogene	Cytoplasm
-14.341	ENSG00000116701	NCF2	neutrophil cytosolic factor 2	Cytoplasm
-5.276	ENSG00000100365	NCF4	neutrophil cytosolic factor 4	Cytoplasm

-8.929	ENSG00000189430	NCR1	natural cytotoxicity triggering receptor 1	Plasma Membrane
-7.17	ENSG00000204475	NCR3	natural cytotoxicity triggering receptor 3	Plasma Membrane
-5.694	ENSG00000188211	NCR3LG1	natural killer cell cytotoxicity receptor 3 ligand 1	Plasma Membrane
-7.745	ENSG00000166507	NDST2	N-deacetylase and N-sulfotransferase 2	Cytoplasm
-7.687	ENSG00000237037	NDUFA6-DT	NDUFA6 divergent transcript	Other
-7.862	ENSG00000139180	NDUFA9	NADH:ubiquinone oxidoreductase subunit A9	Cytoplasm
-9.459	ENSG00000101247	NDUFAF5	NADH:ubiquinone oxidoreductase complex assembly factor 5	Cytoplasm
-4.402	ENSG00000003509	NDUFAF7	NADH:ubiquinone oxidoreductase complex assembly factor 7	Cytoplasm
-5.905	ENSG00000240889	NDUFB2-AS1	NDUFB2 antisense RNA 1	Other
-5.432	ENSG00000166136	NDUFB8	NADH:ubiquinone oxidoreductase subunit B8	Cytoplasm
-8.676	ENSG00000109390	NDUFC1	NADH:ubiquinone oxidoreductase subunit C1	Cytoplasm
-10.194	ENSG00000115286	NDUFS7	NADH:ubiquinone oxidoreductase core subunit S7	Cytoplasm
-8.132	ENSG00000183091	NEB	nebulin	Cytoplasm
-10.104	ENSG00000069869	NEDD4	neural precursor cell expressed, developmentally down-regulated 4, E3 ubiquitin protein ligase	Cytoplasm
-6.693	ENSG00000172260	NEGR1	neuronal growth regulator 1	Plasma Membrane
-9.983	ENSG00000109674	NEIL3	nei like DNA glycosylase 3	Nucleus
-5.834	ENSG00000163491	NEK10	NIMA related kinase 10	Other
-2.434	ENSG00000119638	NEK9	NIMA related kinase 9	Nucleus
-9.611	ENSG00000185049	NELFA	negative elongation factor complex member A	Nucleus
-8.924	ENSG00000184613	NELL2	neural EGFL like 2	Extracellular Space
-8.599	ENSG00000189362	NEMP2	nuclear envelope integral membrane protein 2	Other
-6.03	ENSG00000166342	NETO1	neuropilin and tolloid like 1	Extracellular Space
-8.113	ENSG00000171208	NETO2	neuropilin and tolloid like 2	Plasma Membrane
-9.329	ENSG00000162139	NEU3	neuraminidase 3	Plasma Membrane
-12.991	ENSG00000235568	NFAM1	NFAT activating protein with ITAM motif 1	Plasma Membrane
-10.907	ENSG00000167604	NFKBID	NFKB inhibitor delta	Nucleus
-8.316	ENSG00000244005	NFS1	NFS1 cysteine desulfurase	Cytoplasm
-7.274	ENSG00000272145	NYFC-AS1	NYFC antisense RNA 1	Other
-5.617	ENSG00000064300	NGFR	nerve growth factor receptor	Plasma Membrane
-11.196	ENSG00000204131	NHSL2	NHS like 2	Other
-8.16	ENSG00000145029	NICN1	nicotin 1	Nucleus
-8.297	ENSG00000236859	NIFK-AS1	NIFK antisense RNA 1	Other
-8.668	ENSG00000132603	NIP7	nucleolar pre-rRNA processing protein NIP7	Nucleus
-5.138	ENSG00000165028	NIPSNAP3B	nipsnap homolog 3B	Other
-6.156	ENSG00000189134	NKAPL	NFKB activating protein like	Other
-12.734	ENSG00000105374	NKG7	natural killer cell granule protein 7	Plasma Membrane
-5.917	ENSG00000169992	NLGN2	neuroligin 2	Plasma Membrane
-5.786	ENSG00000196338	NLGN3	neuroligin 3	Plasma Membrane
-11.518	ENSG00000167984	NLRC3	NLR family CARD domain containing 3	Cytoplasm
-10.265	ENSG00000091106	NLRC4	NLR family CARD domain containing 4	Cytoplasm
-1.781	ENSG00000140853	NLRC5	NLR family CARD domain containing 5	Cytoplasm
-13.833	ENSG00000091592	NLRP1	NLR family pyrin domain containing 1	Cytoplasm
-11.078	ENSG00000142405	NLRP12	NLR family pyrin domain containing 12	Cytoplasm
-11.403	ENSG00000162711	NLRP3	NLR family pyrin domain containing 3	Cytoplasm
-6.806	ENSG00000174885	NLRP6	NLR family pyrin domain containing 6	Plasma Membrane
-5.784	ENSG00000239672	NME1	NME/NM23 nucleoside diphosphate kinase 1	Cytoplasm
-7.89	ENSG00000103024	NME3	NME/NM23 nucleoside diphosphate kinase 3	Cytoplasm
-7.595	ENSG00000143156	NME7	NME/NM23 family member 7	Cytoplasm
-8.418	ENSG00000086288	NME8	NME/NM23 family member 8	Cytoplasm
-6.141	ENSG00000123609	NMI	N-myc and STAT interactor	Cytoplasm
-9.242	ENSG00000171596	NMUR1	neuremedin U receptor 1	Plasma Membrane
-8.927	ENSG00000184967	NOC4L	nucleolar complex associated 4 homolog	Nucleus
-10.728	ENSG00000167207	NOD2	nucleotide binding oligomerization domain containing 2	Cytoplasm
-6.54	ENSG00000237522	NONOP2	non-POU domain containing, octamer-binding pseudogene 2	Other
-2.052	ENSG00000134250	NOTCH2	notch receptor 2	Plasma Membrane
-9.172	ENSG00000215440	NPEPL1	aminopeptidase like 1	Nucleus
-4.166	ENSG00000234719	NPIP8	nuclear pore complex interacting protein family, member B2	Nucleus
-3.945	ENSG00000169246	NPIP8	nuclear pore complex interacting protein family member B4	Nucleus
-5.61	ENSG00000219085	NPM1P37	nucleophosmin 1 pseudogene 37	Other
-5.719	ENSG00000107833	NPM3	nucleophosmin/nucleoplamin 3	Nucleus
-7.567	ENSG00000025434	NR1H3	nuclear receptor subfamily 1 group H member 3	Nucleus
-4.206	ENSG00000177463	NR2C2	nuclear receptor subfamily 2 group C member 2	Nucleus
-6.949	ENSG00000184162	NR2C2AP	nuclear receptor 2C2 associated protein	Nucleus
-5.82	ENSG00000248008	NRAV	negative regulator of antiviral response	Other
-3.964	ENSG00000119720	NRDE2	NRDE-2, necessary for RNA interference, domain containing	Other
-7.042	ENSG00000225964	NRIR	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.351	ENSG00000129535	NRL	neural retina leucine zipper	Nucleus
-8.845	ENSG00000137404	NRM	nurim	Nucleus
-5.06	ENSG00000124785	NRN1	neuritin 1	Cytoplasm
-10.672	ENSG00000174004	NRR0S	negative regulator of reactive oxygen species	Cytoplasm
-6.091	ENSG00000260075	NSFP1	N-ethylmaleimide-sensitive factor pseudogene 1	Other
-6.237	ENSG00000235613	NSRP1P1	nuclear speckle splicing regulatory protein 1 pseudogene 1	Other
-5.906	ENSG00000178694	NSUN3	NOP2/Sun RNA methyltransferase family member 3	Cytoplasm
-5.744	ENSG00000117481	NSUN4	NOP2/Sun RNA methyltransferase family member 4	Cytoplasm
-5.881	ENSG00000135318	NT5E	5'-nucleotidase ecto	Plasma Membrane
-6.427	ENSG00000065057	NTHL1	nth like DNA glycosylase 1	Nucleus
-6.545	ENSG00000101188	NTSR1	neurotensin receptor 1	Plasma Membrane
-4.91	ENSG00000163545	NUAK2	NUAK family kinase 2	Other
-4.299	ENSG00000151413	NUBPL	nucleotide binding protein like	Cytoplasm
-6.779	ENSG00000235191	NUCB1-AS1	NUCB1 antisense RNA 1	Other
-5.571	ENSG00000166321	NUDT13	nudix hydrolase 13	Cytoplasm
-3.174	ENSG00000198585	NUDT16	nudix hydrolase 16	Nucleus
-7.492	ENSG00000246082	NUDT16P1	nudix hydrolase 16 pseudogene 1	Other
-5.496	ENSG00000140876	NUDT7	nudix hydrolase 7	Cytoplasm
-8.042	ENSG00000189233	NUGGC	nuclear GTPase, germinal center associated	Nucleus
-7.883	ENSG00000075188	NUP37	nucleoporin 37	Nucleus
-8.355	ENSG00000226328	NUP50-DT	NUP50 divergent transcript	Other
-4.305	ENSG00000144815	NXP6E	neurexophilin and PC-esterase domain family member 3	Other
-6.647	ENSG00000132661	NXT1	nuclear transport factor 2 like export factor 1	Nucleus
-5.697	ENSG00000205978	NYNRIN	NYN domain and retroviral integrase containing	Other
-9.364	ENSG00000184232	OAF	out at first homolog	Cytoplasm

-7.767	ENSG00000089127	OAS1	2'-5'-oligoadenylate synthetase 1	Cytoplasm
-8.333	ENSG00000135114	OASL	2'-5'-oligoadenylate synthetase like	Cytoplasm
-8.499	ENSG00000099330	OCELL1	occludin/ELL domain containing 1	Other
-6.912	ENSG00000262180	OCLM	oculomedin	Other
-10.31	ENSG00000177989	ODF3B	outer dense fiber of sperm tails 3B	Other
-5.688	ENSG00000111325	OGFOD2	2-oxoglutarate and iron dependent oxygenase domain containing 2	Other
-13.864	ENSG00000102837	OLFM4	olfactomedin 4	Extracellular Space
-7.343	ENSG00000162745	OLFML2B	olfactomedin like 2B	Extracellular Space
-10.713	ENSG00000173391	OLR1	oxidized low density lipoprotein receptor 1	Plasma Membrane
-4.869	ENSG00000178814	OPLAH	5-oxoprolinase, ATP-hydrolysing	Cytoplasm
-8.955	ENSG00000054277	OPN3	opsin 3	Plasma Membrane
-8.478	ENSG00000125510	OPRL1	opioid related nociceptin receptor 1	Plasma Membrane
-6.63	ENSG00000196071	OR2L13	olfactory receptor family 2 subfamily L member 13	Plasma Membrane
-5.73	ENSG00000237272	ORS1R1P	olfactory receptor family 51 subfamily R member 1 pseudogene	Other
-7.544	ENSG00000225101	ORS2K3P	olfactory receptor family 52 subfamily K member 3 pseudogene	Other
-5.628	ENSG00000238152	OR7E140P	olfactory receptor family 7 subfamily E member 140 pseudogene	Other
-6.859	ENSG00000183444	OR7E38P	olfactory receptor family 7 subfamily E member 38 pseudogene	Other
-8.097	ENSG00000175938	ORAI3	ORAI calcium release-activated calcium modulator 3	Other
-10.284	ENSG00000229314	ORM1	orosomuroid 1	Extracellular Space
-6.577	ENSG00000228278	ORM2	orosomuroid 2	Extracellular Space
-11.403	ENSG00000170909	OSCAR	osteoclast associated, immunoglobulin-like receptor	Plasma Membrane
-6.161	ENSG00000223891	OSER1-DT	OSER1 divergent transcript	Other
-7.049	ENSG00000099985	OSM	oncostatin M	Extracellular Space
-5.545	ENSG00000167770	OTUB1	OTU deubiquitinase, ubiquitin aldehyde binding 1	Cytoplasm
-2.325	ENSG00000165312	OTUD1	OTU deubiquitinase 1	Other
-6.265	ENSG00000085465	OVGP1	oviductal glycoprotein 1	Extracellular Space
-11.01	ENSG00000154814	OXNAD1	oxidoreductase NAD binding domain containing 1	Cytoplasm
-7.32	ENSG00000151093	OXSM	3-oxoacyl-ACP synthase, mitochondrial	Cytoplasm
-7.206	ENSG00000083454	P2RX5	purinergic receptor P2X 5	Plasma Membrane
-6.195	ENSG00000257950	P2RX5-TAX1BP3	P2RX5-TAX1BP3 readthrough (NMD candidate)	Other
-10.158	ENSG00000089041	P2RX7	purinergic receptor P2X 7	Plasma Membrane
-9.007	ENSG00000078589	P2RY10	P2Y receptor family member 10	Plasma Membrane
-11.713	ENSG00000181631	P2RY13	purinergic receptor P2Y13	Plasma Membrane
-7.122	ENSG00000174944	P2RY14	purinergic receptor P2Y14	Plasma Membrane
-8.785	ENSG00000175591	P2RY2	purinergic receptor P2Y2	Plasma Membrane
-12.671	ENSG00000182162	P2RY8	P2Y receptor family member 8	Plasma Membrane
-8.489	ENSG00000175575	PAAF1	proteasomal ATPase associated factor 1	Other
-5.235	ENSG00000230673	PABPC1P3	poly(A) binding protein cytoplasmic 1 pseudogene 3	Other
-8.147	ENSG00000163138	PACRGL	parkin coregulated like	Other
-12.096	ENSG00000117115	PADI2	peptidyl arginine deiminase 2	Cytoplasm
-13.376	ENSG00000159339	PADI4	peptidyl arginine deiminase 4	Cytoplasm
-9.45	ENSG00000158006	PAFAH2	platelet activating factor acetylhydrolase 2	Cytoplasm
-7.141	ENSG00000233892	PAIP1P1	poly(A) binding protein interacting protein 1 pseudogene 1	Other
-8.789	ENSG00000083093	PALB2	partner and localizer of BRCA2	Nucleus
-5.951	ENSG00000107719	PALD1	phosphatase domain containing paladin 1	Cytoplasm
-7.522	ENSG00000217930	PAM16	presequence translocase associated motor 16	Cytoplasm
-6.501	ENSG00000100767	PAPLN	papilin, proteoglycan like sulfated glycoprotein	Extracellular Space
-1.687	ENSG00000090060	PAPOLA	poly(A) polymerase alpha	Nucleus
-6.051	ENSG00000160781	PAQR6	progesterin and adipoQ receptor family member 6	Plasma Membrane
-9.124	ENSG00000170915	PAQR8	progesterin and adipoQ receptor family member 8	Plasma Membrane
-2.628	ENSG00000140694	PARN	poly(A)-specific ribonuclease	Nucleus
-2.587	ENSG00000151883	PARP8	poly(ADP-ribose) polymerase family member 8	Other
-2.745	ENSG00000138496	PARP9	poly(ADP-ribose) polymerase family member 9	Nucleus
-12.652	ENSG00000138964	PARVG	parvin gamma	Cytoplasm
-6.493	ENSG00000229474	PATL2	PAT1 homolog 2	Cytoplasm
-9.018	ENSG00000196092	PAX5	paired box 5	Nucleus
-9.882	ENSG00000189223	PAX8-AS1	PAX8 antisense RNA 1	Other
-7.91	ENSG00000238197	PAXBP1-AS1	PAXBP1 antisense RNA 1	Other
-6.884	ENSG00000273344	PAXIP1-AS1	PAXIP1 antisense RNA 1 (head to head)	Other
-8.942	ENSG00000214106	PAXIP1-AS2	PAXIP1 antisense RNA 2	Other
-9.371	ENSG00000148362	PAXX	PAXX non-homologous end joining factor	Cytoplasm
-7.782	ENSG00000105717	PBX4	PBX homeobox 4	Nucleus
-8.608	ENSG00000132570	PCBD2	pterin-4 alpha-carbinolamine dehydratase 2	Nucleus
-1.325	ENSG00000169564	PCBP1	poly(rC) binding protein 1	Nucleus
-5.976	ENSG00000113555	PCDH12	protocadherin 12	Plasma Membrane
-5.915	ENSG00000253305	PCDHGB6	protocadherin gamma subfamily B, 6	Other
-10.342	ENSG00000247774	PCED1B-AS1	PCED1B antisense RNA 1	Other
-7.131	ENSG00000258359	PCNPP1	PEST containing nuclear protein pseudogene 1	Other
-6.788	ENSG00000106333	PCOLCE	procollagen C-endopeptidase enhancer	Extracellular Space
-8.115	ENSG00000163710	PCOLCE2	procollagen C-endopeptidase enhancer 2	Extracellular Space
-7.176	ENSG00000102109	PCSK1N	proprotein convertase subtilisin/kexin type 1 inhibitor	Extracellular Space
-10.248	ENSG00000099139	PCSK5	proprotein convertase subtilisin/kexin type 5	Extracellular Space
-1.989	ENSG00000160613	PCSK7	proprotein convertase subtilisin/kexin type 7	Cytoplasm
-6.566	ENSG00000188389	PDCD1	programmed cell death 1	Plasma Membrane
-5.212	ENSG00000126249	PDCD2L	programmed cell death 2 like	Other
-5.888	ENSG00000203497	PDCD4-AS1	PDCD4 antisense RNA 1	Other
-8.686	ENSG00000123360	PDE1B	phosphodiesterase 1B	Cytoplasm
-6.537	ENSG00000185527	PDE6G	phosphodiesterase 6G	Cytoplasm
-5.73	ENSG00000171408	PDE7B	phosphodiesterase 7B	Cytoplasm
-5.234	ENSG00000258429	PDF	peptide deformylase, mitochondrial	Cytoplasm
-7.793	ENSG00000170962	PDGFD	platelet derived growth factor D	Extracellular Space
-8.172	ENSG00000113721	PDGFRB	platelet derived growth factor receptor beta	Plasma Membrane
-9.467	ENSG00000175087	PDIK1L	PDLIM1 interacting kinase 1 like	Nucleus
-5.863	ENSG00000241360	PDXP	pyridoxal phosphatase	Plasma Membrane
-10.423	ENSG00000162366	PDK1IP1	PDK1 interacting protein 1	Extracellular Space
-9.271	ENSG00000188305	PEAK3	PEAK family member 3	Other
-9.246	ENSG00000115425	PECR	peroxisomal trans-2-enoyl-CoA reductase	Cytoplasm
-7.484	ENSG00000133027	PEMT	phosphatidylethanolamine N-methyltransferase	Cytoplasm
-7.807	ENSG00000049246	PER3	period circadian regulator 3	Nucleus
-9.596	ENSG00000121680	PEX16	peroxisomal biogenesis factor 16	Cytoplasm
-4.661	ENSG00000139197	PEX5	peroxisomal biogenesis factor 5	Cytoplasm

-2.245	ENSG00000123349	PFDN5	prefoldin subunit 5	Nucleus
-3.708	ENSG00000170525	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Cytoplasm
-6.089	ENSG00000233623	PGAM1P11	phosphoglycerate mutase 1 pseudogene 11	Other
-5.71	ENSG00000224464	PGAM1P6	phosphoglycerate mutase 1 pseudogene 6	Other
-5.247	ENSG00000255200	PGAM1P8	phosphoglycerate mutase 1 pseudogene 8	Other
-8.063	ENSG00000197121	PGAP1	post-GPI attachment to proteins 1	Cytoplasm
-5.522	ENSG00000182405	PGBD4	piggyBac transposable element derived 4	Other
-12.785	ENSG00000008438	PGLYRP1	peptidoglycan recognition protein 1	Plasma Membrane
-9.132	ENSG00000184207	PGP	phosphoglycolate phosphatase	Cytoplasm
-8.205	ENSG00000112137	PHACTR1	phosphatase and actin regulator 1	Cytoplasm
-6.578	ENSG00000257246	PHBP19	prohibitin pseudogene 19	Other
-5.105	ENSG00000232882	PHKA1P1	phosphorylase kinase regulatory subunit alpha 1 pseudogene	Other
-6.191	ENSG00000164530	PI16	peptidase inhibitor 16	Extracellular Space
-10.445	ENSG00000038210	PIAK2B	phosphatidylinositol 4-kinase type 2 beta	Cytoplasm
-8.826	ENSG00000177595	PIDD1	p53-induced death domain protein 1	Cytoplasm
-5.632	ENSG00000140451	PIF1	PIF1 5'-to-3' DNA helicase	Nucleus
-9.637	ENSG00000069943	PIGB	phosphatidylinositol glycan anchor biosynthesis class B	Cytoplasm
-5.762	ENSG00000155629	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	Cytoplasm
-13.45	ENSG00000171608	PIK3CD	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta	Cytoplasm
-5.439	ENSG00000179840	PIK3CD-AS1	PIK3CD antisense RNA 1	Other
-6.923	ENSG00000228839	PIK3IP1-AS1	PIK3IP1 antisense RNA 1 (head to head)	Other
-11.51	ENSG00000085514	PILRA	paired immunoglobulin like type 2 receptor alpha	Plasma Membrane
-9.432	ENSG00000121716	PILRB	paired immunoglobulin-like type 2 receptor beta	Plasma Membrane
-2.21	ENSG00000137193	PIM1	Pim-1 proto-oncogene, serine/threonine kinase	Cytoplasm
-8.616	ENSG00000117242	PINK1-AS	PINK1 antisense RNA	Other
-10.242	ENSG00000107242	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase type 1 beta	Cytoplasm
-8.034	ENSG00000250251	PKD1P6	polycystin 1, transient receptor potential channel interacting pseudogene 6	Other
-6.991	ENSG00000160447	PKN3	protein kinase N3	Nucleus
-9.442	ENSG00000184381	PLA2G6	phospholipase A2 group VI	Cytoplasm
-13.193	ENSG00000145287	PLAC8	placenta specific 8	Nucleus
-9.919	ENSG00000118495	PLAGL1	PLAG1 like zinc finger 1	Nucleus
-10.804	ENSG00000011422	PLAUR	plasminogen activator, urokinase receptor	Plasma Membrane
-9.597	ENSG00000163803	PLB1	phospholipase B1	Cytoplasm
-14.773	ENSG00000121316	PLBD1	phospholipase B domain containing 1	Cytoplasm
-8.025	ENSG00000256751	PLBD1-AS1	PLBD1 antisense RNA 1	Other
-5.99	ENSG00000225479	PLCB1-IT1	PLCB1 intronic transcript 1	Other
-10.653	ENSG00000137841	PLCB2	phospholipase C beta 2	Cytoplasm
-9.169	ENSG00000187091	PLCD1	phospholipase C delta 1	Cytoplasm
-5.273	ENSG00000197943	PLCG2	phospholipase C gamma 2	Cytoplasm
-9.57	ENSG00000115896	PLCL1	phospholipase C like 1 (inactive)	Cytoplasm
-6.823	ENSG00000240891	PLCXD2	phosphatidylinositol specific phospholipase C X domain containing 2	Other
-10.188	ENSG00000129219	PLD2	phospholipase D2	Cytoplasm
-8.227	ENSG00000166428	PLD4	phospholipase D family member 4	Extracellular Space
-8.298	ENSG00000179598	PLD6	phospholipase D family member 6	Cytoplasm
-1.591	ENSG00000178209	PLEC	plectin	Cytoplasm
-6.248	ENSG00000175985	PLEKHD1	pleckstrin homology and coiled-coil domain containing D1	Other
-7.2	ENSG00000196155	PLEKHG4	pleckstrin homology and RhoGEF domain containing G4	Other
-6.192	ENSG00000214176	PLEKHM1P1	pleckstrin homology and RUN domain containing M1 pseudogene 1	Other
-7.285	ENSG00000107020	PLGRKT	plasminogen receptor with a C-terminal lysine	Cytoplasm
-10.31	ENSG00000147872	PLIN2	perilipin 2	Plasma Membrane
-6.907	ENSG00000167676	PLIN4	perilipin 4	Cytoplasm
-5.467	ENSG00000214456	PLIN5	perilipin 5	Plasma Membrane
-8.479	ENSG00000142731	PLK4	polo like kinase 4	Cytoplasm
-10.767	ENSG00000105520	PLPPR2	phospholipid phosphatase related 2	Other
-6.002	ENSG00000129951	PLPPR3	phospholipid phosphatase related 3	Other
-3.842	ENSG00000188313	PLSCR1	phospholipid scramblase 1	Plasma Membrane
-6.556	ENSG00000114698	PLSCR4	phospholipid scramblase 4	Plasma Membrane
-9.354	ENSG00000130300	PLVAP	plasmalemma vesicle associated protein	Plasma Membrane
-7.53	ENSG00000161381	PLXDC1	plexin domain containing 1	Plasma Membrane
-7.426	ENSG00000136040	PLXNC1	plexin C1	Plasma Membrane
-12.73	ENSG00000004399	PLXND1	plexin D1	Plasma Membrane
-8.93	ENSG00000160783	PMF1/PMF1-BGLAP	polyamine modulated factor 1	Nucleus
-6.342	ENSG00000118557	PMFBP1	polyamine modulated factor 1 binding protein 1	Cytoplasm
-11.082	ENSG00000105819	PMPCB	peptidase, mitochondrial processing beta subunit	Cytoplasm
-6.543	ENSG00000183837	PNMA3	PNMA family member 3	Extracellular Space
-5.738	ENSG00000168081	PNOC	prepronociceptin	Extracellular Space
-6.445	ENSG00000180316	PNPLA1	patatin like phospholipase domain containing 1	Cytoplasm
-8.543	ENSG00000138035	PNPT1	polyribonucleotide nucleotidyltransferase 1	Cytoplasm
-4.68	ENSG00000229241	PNPT1P1	polyribonucleotide nucleotidyltransferase 1 pseudogene 1	Other
-2.442	ENSG00000146278	PNRC1	proline rich nuclear receptor coactivator 1	Nucleus
-7.21	ENSG00000189266	PNRC2	proline rich nuclear receptor coactivator 2	Nucleus
-6.554	ENSG00000164087	POC1A	POC1 centriolar protein A	Cytoplasm
-6.227	ENSG00000270344	POC1B-AS1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.035	ENSG00000152359	POC5	POC5 centriolar protein	Cytoplasm
-9.426	ENSG00000115350	POLE4	DNA polymerase epsilon 4, accessory subunit	Nucleus
-2.384	ENSG00000140521	POLG	DNA polymerase gamma, catalytic subunit	Cytoplasm
-8.736	ENSG00000170734	POLH	DNA polymerase eta	Nucleus
-6.565	ENSG00000130997	POLN	DNA polymerase nu	Nucleus
-8.194	ENSG00000051341	POLQ	DNA polymerase theta	Nucleus
-7.139	ENSG00000171453	POLR1C	RNA polymerase I and III subunit C	Nucleus
-9.677	ENSG00000102978	POLR2C	RNA polymerase II subunit C	Nucleus
-8.423	ENSG00000100142	POLR2F	RNA polymerase II subunit F	Nucleus
-7.993	ENSG00000168255	POLR2J2/POLR2J3	RNA polymerase II subunit J2	Other
-6.683	ENSG00000272655	POLR2J4	RNA polymerase II subunit J4, pseudogene	Other
-5.593	ENSG00000214783	POLR2J4	RNA polymerase II subunit J4, pseudogene	Other
-6.316	ENSG00000113356	POLR3G	RNA polymerase III subunit G	Nucleus
-5.81	ENSG00000115138	POMC	proopiomelanocortin	Extracellular Space
-7.191	ENSG00000146707	POMZP3	POM121 and ZP3 fusion	Nucleus
-8.027	ENSG00000167272	POP5	POP5 homolog, ribonuclease P/MRP subunit	Nucleus
-5.138	ENSG00000121577	POPDC2	popeye domain containing 2	Plasma Membrane
-7.718	ENSG00000102312	PORCN	porcupine O-acyltransferase	Cytoplasm

-8.701	ENSG00000128513	POT1	protection of telomeres 1	Nucleus
-7.527	ENSG00000110777	POU2AF1	POU class 2 associating factor 1	Nucleus
-5.571	ENSG00000028277	POU2F2	POU class 2 homeobox 2	Nucleus
-6.584	ENSG00000130810	PPAN	peter pan homolog	Nucleus
-10.219	ENSG00000155846	PPARGC1B	PPARG coactivator 1 beta	Nucleus
-7.644	ENSG00000128059	PPAT	phosphoribosyl pyrophosphate amidotransferase	Cytoplasm
-6.174	ENSG00000086717	PPEF1	protein phosphatase with EF-hand domain 1	Extracellular Space
-5.608	ENSG00000177380	PPFIA3	PTPRF interacting protein alpha 3	Plasma Membrane
-7.923	ENSG00000143847	PPFIA4	PTPRF interacting protein alpha 4	Plasma Membrane
-6.267	ENSG00000254463	PPIAP41	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-1.955	ENSG00000171497	PPID	peptidylprolyl isomerase D	Cytoplasm
-6.415	ENSG00000243970	PPIEL	peptidylprolyl isomerase E like pseudogene	Nucleus
-8.463	ENSG00000171960	PIPH	peptidylprolyl isomerase H	Nucleus
-7.458	ENSG00000168781	PIIP5K1	diphosphoinositol pentakisphosphate kinase 1	Nucleus
-2.211	ENSG00000145725	PIIP5K2	diphosphoinositol pentakisphosphate kinase 2	Cytoplasm
-6.571	ENSG00000164088	PPM1M	protein phosphatase, Mg2+/Mn2+ dependent 1M	Nucleus
-6.932	ENSG00000213889	PPM1N	protein phosphatase, Mg2+/Mn2+ dependent 1N (putative)	Extracellular Space
-8.461	ENSG00000143224	PPOX	protoporphyrinogen oxidase	Cytoplasm
-1.563	ENSG00000077157	PPP1R12B	protein phosphatase 1 regulatory subunit 12B	Cytoplasm
-5.259	ENSG00000179967	PPP1R14BP3	protein phosphatase 1 regulatory inhibitor subunit 14B pseudogene 3	Other
-11.276	ENSG00000101445	PPP1R16B	protein phosphatase 1 regulatory subunit 16B	Plasma Membrane
-4.209	ENSG00000146112	PPP1R18	protein phosphatase 1 regulatory subunit 18	Other
-7.199	ENSG00000162148	PPP1R32	protein phosphatase 1 regulatory subunit 32	Other
-5.092	ENSG00000224986	PPP1R8P1	protein phosphatase 1 regulatory subunit 8 pseudogene 1	Other
-2.221	ENSG00000108819	PPP1R9B	protein phosphatase 1 regulatory subunit 9B	Cytoplasm
-8.189	ENSG00000156475	PPP2R2B	protein phosphatase 2 regulatory subunit Bbeta	Cytoplasm
-10.333	ENSG00000068971	PPP2R5B	protein phosphatase 2 regulatory subunit B'beta	Cytoplasm
-2.614	ENSG00000078304	PPP2R5C	protein phosphatase 2 regulatory subunit B'gamma	Nucleus
-2.55	ENSG00000119414	PPP6C	protein phosphatase 6 catalytic subunit	Nucleus
-5.882	ENSG00000221988	PPT2	palmitoyl-protein thioesterase 2	Cytoplasm
-6.837	ENSG00000243279	PRAF2	PRA1 domain family member 2	Other
-13.01	ENSG00000133246	PRAM1	PML-RARA regulated adaptor molecule 1	Other
-6.327	ENSG00000057657	PRDM1	PR/SET domain 1	Nucleus
-9.089	ENSG00000138738	PRDM5	PR/SET domain 5	Nucleus
-8.224	ENSG00000152784	PRDM8	PR/SET domain 8	Nucleus
-14.787	ENSG00000124126	PREX1	phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchange factor 1	Cytoplasm
-13.37	ENSG00000180644	PRF1	perforin 1	Cytoplasm
-7.409	ENSG00000139174	PRICKLE1	prickle planar cell polarity protein 1	Nucleus
-8.729	ENSG00000012211	PRICKLE3	prickle planar cell polarity protein 3	Other
-8.149	ENSG00000198056	PRIM1	DNA primase subunit 1	Nucleus
-1.934	ENSG00000072062	PRKACA	protein kinase cAMP-activated catalytic subunit alpha	Cytoplasm
-6.844	ENSG00000239911	PRKAG2-AS1	PRKAG2 antisense RNA 1	Other
-9.185	ENSG00000237943	PRKCQ-AS1	PRKCQ antisense RNA 1	Other
-5.719	ENSG00000182873	PRKCZ-AS1	PRKCZ antisense RNA 1	Other
-5.602	ENSG00000138669	PRKG2	protein kinase cGMP-dependent 2	Cytoplasm
-7.122	ENSG00000223960	PRKRA-AS1	PRKRA antisense RNA 1	Other
-11.44	ENSG00000183943	PRKX	protein kinase X-linked	Cytoplasm
-7.693	ENSG00000167525	PROCA1	protein interacting with cyclin A1	Cytoplasm
-10.3	ENSG00000163421	PROK2	prokineticin 2	Extracellular Space
-5.758	ENSG00000162997	PRORS1P	prolyl-tRNA synthetase associated domain containing 1, pseudogene	Other
-8.593	ENSG00000068489	PRR11	proline rich 11	Other
-2.549	ENSG00000126464	PRR12	proline rich 12	Extracellular Space
-4.233	ENSG00000187534	PRR13P5	proline rich 13 pseudogene 5	Other
-5.924	ENSG00000212123	PRR22	proline rich 22	Other
-5.633	ENSG00000224383	PRR29	proline rich 29	Other
-8.794	ENSG00000204576	PRR3	proline rich 3	Other
-5.855	ENSG00000182257	PRR34	PRR34 long non-coding RNA	Other
-7.694	ENSG00000111215	PRR4	proline rich 4	Extracellular Space
-10.481	ENSG00000135362	PRR5L	proline rich 5 like	Cytoplasm
-8.604	ENSG00000131188	PRR7	proline rich 7, synaptic	Plasma Membrane
-8.333	ENSG00000224940	PRRT4	proline rich transmembrane protein 4	Other
-5.118	ENSG00000178226	PRSS36	serine protease 36	Extracellular Space
-5.602	ENSG00000151006	PRSS53	serine protease 53	Other
-5.592	ENSG00000185198	PRSS57	serine protease 57	Extracellular Space
-9.447	ENSG00000196415	PRTN3	proteinase 3	Extracellular Space
-6.748	ENSG00000105227	PRX	periaxin	Nucleus
-9.114	ENSG00000158122	PRXL2C	peroxiredoxin like 2C	Other
-2.401	ENSG00000197746	PSAP	prosaposin	Extracellular Space
-9.717	ENSG00000159792	PSKH1	protein serine kinase H1	Nucleus
-8.154	ENSG00000129084	PSMA1	proteasome subunit alpha 1	Cytoplasm
-7.266	ENSG00000110801	PSMD9	proteasome 26S subunit, non-ATPase 9	Cytoplasm
-8.441	ENSG00000183527	PSMG1	proteasome assembly chaperone 1	Plasma Membrane
-7.776	ENSG00000230487	PSMG3-AS1	PSMG3 antisense RNA 1 (head to head)	Other
-5.729	ENSG00000125650	PSPN	persephin	Extracellular Space
-7.605	ENSG00000179988	PSTK	phosphoserine-threonine kinase	Cytoplasm
-13.046	ENSG00000140368	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	Cytoplasm
-10.617	ENSG00000117569	PTBP2	polypyrimidine tract binding protein 2	Nucleus
-6.694	ENSG00000106246	PTCD1	pentatricopeptide repeat domain 1	Cytoplasm
-3.667	ENSG00000132300	PTCD3	pentatricopeptide repeat domain 3	Cytoplasm
-8.201	ENSG00000174915	PTDSS2	phosphatidylserine synthase 2	Cytoplasm
-3.5	ENSG00000237984	PTENP1	phosphatase and tensin homolog pseudogene 1	Cytoplasm
-7.06	ENSG00000183134	PTGDR2	prostaglandin D2 receptor 2	Plasma Membrane
-10.003	ENSG00000107317	PTGDS	prostaglandin D2 synthase	Cytoplasm
-10.951	ENSG00000125384	PTGER2	prostaglandin E receptor 2	Plasma Membrane
-3.592	ENSG00000234518	PTGES3P1	prostaglandin E synthase 3 pseudogene 1	Other
-6.698	ENSG00000122420	PTGFR	prostaglandin F receptor	Plasma Membrane
-6.32	ENSG00000144407	PTH2R	parathyroid hormone 2 receptor	Plasma Membrane
-1.963	ENSG00000120899	PTK2B	protein tyrosine kinase 2 beta	Cytoplasm
-2.706	ENSG00000231503	PTMAP4	prothymosin alpha pseudogene 4	Other
-5.838	ENSG00000268006	PTOV1-AS1	PTOV1 antisense RNA 1	Other
-6.719	ENSG00000110536	PTPMT1	protein tyrosine phosphatase, mitochondrial 1	Cytoplasm

-11.528	ENSG00000134242	PTPN22	protein tyrosine phosphatase, non-receptor type 22	Cytoplasm
-4.519	ENSG00000111679	PTPN6	protein tyrosine phosphatase, non-receptor type 6	Cytoplasm
-7.627	ENSG000000081237	PTPRC	protein tyrosine phosphatase, receptor type C	Plasma Membrane
-5.063	ENSG00000213402	PTPRCAP	protein tyrosine phosphatase, receptor type C associated protein	Plasma Membrane
-7.443	ENSG00000132334	PTPRE	protein tyrosine phosphatase, receptor type E	Plasma Membrane
-8.211	ENSG00000151490	PTPRO	protein tyrosine phosphatase, receptor type O	Plasma Membrane
-6.486	ENSG00000243323	PTPRVP	protein tyrosine phosphatase, receptor type V, pseudogene	Other
-8.312	ENSG00000141378	PTRH2	peptidyl-tRNA hydrolase 2	Cytoplasm
-7.651	ENSG00000164611	PTTG1	pituitary tumor-transforming 1	Nucleus
-9.515	ENSG00000163661	PTX3	pentraxin 3	Extracellular Space
-8.4	ENSG00000162927	PUS10	pseudouridine synthase 10	Other
-3.664	ENSG00000089159	PXN	paxillin	Cytoplasm
-11.733	ENSG00000103490	PYCARD	PYD and CARD domain containing	Cytoplasm
-6.624	ENSG00000261359	PYCARD-AS1	PYCARD antisense RNA 1	Other
-6.836	ENSG00000068976	PYGM	glycogen phosphorylase, muscle associated	Cytoplasm
-7.81	ENSG000000011478	QPCTL	glutaminy-peptide cyclotransferase like	Cytoplasm
-8.936	ENSG00000130348	QRSL1	glutaminyl-tRNA amidotransferase subunit QRSL1	Cytoplasm
-9.679	ENSG00000104679	R3HCC1	R3H domain and coiled-coil containing 1	Other
-6.751	ENSG00000169228	RAB24	RAB24, member RAS oncogene family	Cytoplasm
-12.999	ENSG00000069974	RAB27A	RAB27A, member RAS oncogene family	Cytoplasm
-5.808	ENSG00000134594	RAB33A	RAB33A, member RAS oncogene family	Cytoplasm
-8.919	ENSG00000109113	RAB34	RAB34, member RAS oncogene family	Cytoplasm
-5.744	ENSG00000100228	RAB36	RAB36, member RAS oncogene family	Cytoplasm
-6.604	ENSG00000179331	RAB39A	RAB39A, member RAS oncogene family	Cytoplasm
-7.828	ENSG00000155961	RAB39B	RAB39B, member RAS oncogene family	Plasma Membrane
-6.864	ENSG00000105649	RAB3A	RAB3A, member RAS oncogene family	Cytoplasm
-8.173	ENSG00000172780	RAB43	RAB43, member RAS oncogene family	Cytoplasm
-5.709	ENSG00000259856	RAB43P1	RAB43 pseudogene 1	Other
-10.184	ENSG00000255587	RAB44	RAB44, member RAS oncogene family	Cytoplasm
-9.004	ENSG00000167578	RAB4B	RAB4B, member RAS oncogene family	Plasma Membrane
-8.609	ENSG00000136933	RABEPK	Rab9 effector protein with kelch motifs	Cytoplasm
-7.223	ENSG00000144840	RABL3	RAB, member of RAS oncogene family like 3	Other
-5.012	ENSG00000128340	RAC2	Rac family small GTPase 2	Cytoplasm
-4.549	ENSG00000070950	RAD18	RAD18 E3 ubiquitin protein ligase	Nucleus
-5.69	ENSG00000253327	RAD21-AS1	RAD21 antisense RNA 1	Other
-8.188	ENSG00000185379	RAD51D	RAD51 paralog D	Nucleus
-5.852	ENSG00000085999	RAD54L	RAD54 like	Nucleus
-7.211	ENSG00000147231	RADX	RPA1 related single stranded DNA binding protein, X-linked	Nucleus
-10.694	ENSG00000137040	RANBP6	RAN binding protein 6	Cytoplasm
-6.602	ENSG00000232160	RAP2C-AS1	RAP2C antisense RNA 1	Other
-2.282	ENSG00000107263	RAPGEF1	Rap guanine nucleotide exchange factor 1	Cytoplasm
-6.507	ENSG00000079337	RAPGEF3	Rap guanine nucleotide exchange factor 3	Nucleus
-9.174	ENSG00000158987	RAPGEF6	Rap guanine nucleotide exchange factor 6	Plasma Membrane
-6.138	ENSG00000265666	RARA-AS1	RARA antisense RNA 1	Other
-6.033	ENSG00000250170	RASA2-IT1	RASA2 intronic transcript 1	Other
-7.695	ENSG00000232487	RASA3-IT1	RASA3 intronic transcript 1	Other
-6.565	ENSG00000105808	RASA4	RAS p21 protein activator 4	Cytoplasm
-7.738	ENSG00000228903	RASA4CP	RAS p21 protein activator 4C, pseudogene	Other
-12.269	ENSG00000105122	RASAL3	RAS protein activator like 3	Cytoplasm
-11.293	ENSG00000172575	RASGRP1	RAS guanyl releasing protein 1	Cytoplasm
-11.909	ENSG00000171777	RASGRP4	RAS guanyl releasing protein 4	Cytoplasm
-14.233	ENSG00000101265	RASSF2	Ras association domain family member 2	Nucleus
-12.066	ENSG00000107551	RASSF4	Ras association domain family member 4	Other
-3.442	ENSG00000139687	RB1	RB transcriptional corepressor 1	Nucleus
-6.553	ENSG00000171174	RBKS	ribokinase	Cytoplasm
-6.499	ENSG00000188739	RBM34	RNA binding motif protein 34	Nucleus
-9.173	ENSG00000184898	RBM43	RNA binding motif protein 43	Other
-7.952	ENSG00000177483	RBM44	RNA binding motif protein 44	Other
-6.209	ENSG00000076067	RBM52	RNA binding motif single stranded interacting protein 2	Nucleus
-5.317	ENSG00000233575	RBMX2P3	RBMX2 pseudogene 3	Other
-7.4	ENSG00000236535	RC3H1-IT1	RC3H1 intronic transcript 1	Other
-6.394	ENSG00000214455	RCN1P2	reticulocalbin 1 pseudogene 2	Other
-9.206	ENSG00000142552	RCN3	reticulocalbin 3	Cytoplasm
-13.739	ENSG00000198771	RCS1	RCS1 domain containing 1	Other
-5.192	ENSG00000109047	RCVRN	recoverin	Cytoplasm
-6.203	ENSG00000135437	RDH5	retinol dehydrogenase 5	Cytoplasm
-4.785	ENSG00000168476	REEP4	receptor accessory protein 4	Cytoplasm
-4.046	ENSG00000162924	REL	REL proto-oncogene, NF-kB subunit	Nucleus
-12.31	ENSG00000054967	RELT	RELT TNF receptor	Plasma Membrane
-6.903	ENSG00000139890	REM2	RRAD and GEM like GTPase 2	Plasma Membrane
-5.843	ENSG00000232921	RERE-AS1	RERE antisense RNA 1	Other
-2.47	ENSG00000174718	REF1	retroelement silencing factor 1	Nucleus
-11.988	ENSG00000104918	RETN	resistin	Extracellular Space
-9.36	ENSG00000006015	REX1BD	required for excision 1-B domain containing	Other
-8.904	ENSG00000135002	RFK	riboflavin kinase	Cytoplasm
-6.171	ENSG00000225465	RFPL1S	RFPL1 antisense RNA 1	Other
-6.706	ENSG00000232104	RFX3-AS1	RFX3 antisense RNA 1	Other
-8.074	ENSG00000143344	RGL1	ral guanine nucleotide dissociation stimulator like 1	Cytoplasm
-10.299	ENSG00000159496	RGL4	ral guanine nucleotide dissociation stimulator like 4	Other
-5.94	ENSG00000182175	RGMA	repulsive guidance molecule BMP co-receptor a	Plasma Membrane
-7.328	ENSG00000174136	RGMB	repulsive guidance molecule BMP co-receptor b	Plasma Membrane
-5.87	ENSG00000169629	RGPD4 (includes others)	RANBP2-like and GRIP domain containing 5	Nucleus
-8.613	ENSG00000090104	RGS1	regulator of G protein signaling 1	Plasma Membrane
-11.235	ENSG00000169220	RGS14	regulator of G protein signaling 14	Cytoplasm
-5.919	ENSG00000229473	RGS17P1	regulator of G protein signaling 17 pseudogene 1	Other
-12.344	ENSG00000171700	RGS19	regulator of G protein signaling 19	Cytoplasm
-8.368	ENSG00000188672	RHCE/RHD	Rh blood group D antigen	Plasma Membrane
-6.104	ENSG00000235908	RHOA-IT1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.075	ENSG00000168421	RHOH	ras homolog family member H	Plasma Membrane
-8.973	ENSG00000174791	RIN1	Ras and Rab interactor 1	Cytoplasm
-13.443	ENSG00000100599	RIN3	Ras and Rab interactor 3	Cytoplasm

-9.851	ENSG00000129465	RIPK3	receptor interacting serine/threonine kinase 3	Plasma Membrane
-6.786	ENSG00000039523	RIPOR1	RHO family interacting cell polarization regulator 1	Cytoplasm
-1.918	ENSG00000111913	RIPOR2	RHO family interacting cell polarization regulator 2	Cytoplasm
-8.179	ENSG00000155906	RMND1	required for meiotic nuclear division 1 homolog	Cytoplasm
-6.05	ENSG00000200830	RN75KP134	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.128	ENSG00000222162	RN75KP151	RNA, 75K small nuclear pseudogene 151	Other
-6.076	ENSG00000222112	RN75KP16	RNA, 75K small nuclear pseudogene 16	Other
-4.322	ENSG00000260682	RN75KP176	RNA, 75K small nuclear pseudogene 176	Other
-6.126	ENSG00000252233	RN75KP253	RNA, 75K small nuclear pseudogene 253	Other
-5.53	ENSG00000201581	RN75KP78	RNA, 75K small nuclear pseudogene 78	Other
-6.452	ENSG00000243398	RN75L141P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.134	ENSG00000265123	RN75L200P	RNA, 75L, cytoplasmic 200, pseudogene	Other
-5.716	ENSG00000242999	RN75L239P	RNA, 75L, cytoplasmic 239, pseudogene	Other
-5.523	ENSG00000265093	RN75L246P	RNA, 75L, cytoplasmic 246, pseudogene	Other
-7.797	ENSG00000240767	RN75L288P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.702	ENSG00000240853	RN75L328P	RNA, 75L, cytoplasmic 328, pseudogene	Other
-4.865	ENSG00000243911	RN75L430P	RNA, 75L, cytoplasmic 430, pseudogene	Other
-7.841	ENSG00000264384	RN75L431P	RNA, 75L, cytoplasmic 431, pseudogene	Other
-6.068	ENSG00000241868	RN75L434P	RNA, 75L, cytoplasmic 434, pseudogene	Other
-4.598	ENSG00000240322	RN75L481P	RNA, 75L, cytoplasmic 481, pseudogene	Other
-3.807	ENSG00000265802	RN75L49P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.29	ENSG00000241939	RN75L517P	RNA, 75L, cytoplasmic 517, pseudogene	Other
-5.126	ENSG00000240750	RN75L559P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.439	ENSG00000240233	RN75L587P	RNA, 75L, cytoplasmic 587, pseudogene	Other
-5.896	ENSG00000265727	RN75L648P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.559	ENSG00000240966	RN75L681P	RNA, 75L, cytoplasmic 681, pseudogene	Other
-5.641	ENSG00000242330	RN75L683P	RNA, 75L, cytoplasmic 683, pseudogene	Other
-6.142	ENSG00000243954	RN75L743P	RNA, 75L, cytoplasmic 743, pseudogene	Other
-5.335	ENSG00000242853	RN75L749P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.927	ENSG00000241230	RN75L801P	RNA, 75L, cytoplasmic 801, pseudogene	Other
-8.835	ENSG00000243650	RN75L834P	RNA, 75L, cytoplasmic 834, pseudogene	Other
-3.216	ENSG00000251705	RNA5-8SP6	RNA, 5.8S ribosomal pseudogene 6	Other
-4.995	ENSG00000223086	RNA5SP155	RNA, 5S ribosomal pseudogene 155	Other
-5.881	ENSG00000202474	RNA5SP283	RNA, 5S ribosomal pseudogene 283	Other
-5.91	ENSG00000199733	RNA5SP307	RNA, 5S ribosomal pseudogene 307	Other
-11.809	ENSG00000169385	RNASE2	ribonuclease A family member 2	Cytoplasm
-9.589	ENSG00000169397	RNASE3	ribonuclease A family member 3	Extracellular Space
-10.922	ENSG00000169413	RNASE6	ribonuclease A family member k6	Extracellular Space
-6.53	ENSG00000234171	RNASEH1-AS1	RNASEH1 antisense RNA 1	Other
-7.499	ENSG00000104889	RNASEH2A	ribonuclease H2 subunit A	Nucleus
-10.166	ENSG00000172922	RNASEH2C	ribonuclease H2 subunit C	Nucleus
-7.522	ENSG00000219200	RNASEK	ribonuclease K	Other
-8.708	ENSG00000137522	RNF121	ring finger protein 121	Other
-7.753	ENSG00000133874	RNF122	ring finger protein 122	Cytoplasm
-10.892	ENSG00000101695	RNF125	ring finger protein 125	Cytoplasm
-10.581	ENSG00000181481	RNF135	ring finger protein 135	Cytoplasm
-3.298	ENSG00000163162	RNF149	ring finger protein 149	Cytoplasm
-7.791	ENSG00000141622	RNF165	ring finger protein 165	Nucleus
-12.784	ENSG00000158717	RNF166	ring finger protein 166	Other
-8.492	ENSG00000120925	RNF170	ring finger protein 170	Other
-6.873	ENSG00000145428	RNF175	ring finger protein 175	Other
-9.086	ENSG00000180537	RNF182	ring finger protein 182	Cytoplasm
-6.644	ENSG00000212864	RNF208	ring finger protein 208	Other
-2.106	ENSG00000173821	RNF213	ring finger protein 213	Cytoplasm
-5.889	ENSG00000237738	RNF216-IT1	RNF216 intronic transcript 1	Other
-1.733	ENSG00000187147	RNF220	ring finger protein 220	Cytoplasm
-6.279	ENSG00000179859	RNF227	ring finger protein 227	Other
-8.96	ENSG00000189050	RNF71	ring finger protein, transmembrane 1	Cytoplasm
-6.56	ENSG00000135119	RNF72	ring finger protein, transmembrane 2	Other
-6.23	ENSG00000184719	RNLS	renalase, FAD dependent amine oxidase	Extracellular Space
-5.647	ENSG00000250896	RNPS1P1	RNA binding protein with serine rich domain 1 pseudogene 1	Other
-5.804	ENSG00000202347	RNU1-16P	RNA, U1 small nuclear 16, pseudogene	Other
-5.355	ENSG00000201221	RNU4-40P	RNA, U4 small nuclear 40, pseudogene	Other
-5.398	ENSG00000201076	RNU4-51P	RNA, U4 small nuclear 51, pseudogene	Other
-3.764	ENSG00000200169	RNU5D-1	RNA, USD small nuclear 1	Other
-7.593	ENSG00000199377	RNU5F-1	RNA, U5F small nuclear 1	Other
-7.765	ENSG00000252498	RNU6-1016P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.534	ENSG00000251739	RNU6-1053P	RNA, U6 small nuclear 1053, pseudogene	Other
-4.978	ENSG00000252361	RNU6-118P	RNA, U6 small nuclear 118, pseudogene	Other
-6.235	ENSG00000207234	RNU6-125P	RNA, U6 small nuclear 125, pseudogene	Other
-6.424	ENSG00000200571	RNU6-1284P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.31	ENSG00000200648	RNU6-226P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.291	ENSG00000200183	RNU6-238P	RNA, U6 small nuclear 238, pseudogene	Other
-5.693	ENSG00000201770	RNU6-384P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.137	ENSG00000212526	RNU6-466P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.841	ENSG00000201367	RNU6-522P	RNA, U6 small nuclear 522, pseudogene	Other
-6.65	ENSG00000252391	RNU6-638P	RNA, U6 small nuclear 638, pseudogene	Other
-6.271	ENSG00000207308	RNU6-878P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.357	ENSG00000207227	RNU6-900P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.648	ENSG00000252103	RNU6-917P	RNA, U6 small nuclear 917, pseudogene	Other
-5.546	ENSG00000199872	RNU6-942P	RNA, U6 small nuclear 942, pseudogene	Other
-7.324	ENSG00000252620	RNU6ATAC24P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.772	ENSG00000253043	RNU7-181P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.153	ENSG00000239151	RNU7-195P	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.532	ENSG00000238959	RNU7-19P	RNA, U7 small nuclear 19 pseudogene	Other
-5.346	ENSG00000252206	RNU7-40P	RNA, U7 small nuclear 40 pseudogene	Other
-7.279	ENSG00000154134	ROBO3	roundabout guidance receptor 3	Plasma Membrane
-6.939	ENSG00000145491	ROPN1L	rhopilin associated tail protein 1 like	Cytoplasm
-6.044	ENSG00000069667	RORA	RAR related orphan receptor A	Nucleus
-6.337	ENSG00000245534	RORA-AS1	RORA antisense RNA 1	Other
-7.948	ENSG00000258461	RP11-164J13.1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other

-9.246	ENSG00000214331	RP11_252A24.2	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.869	ENSG00000225471	RP11_262D11.2	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.845	ENSG00000270127	RP11_526I2.5	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.502	ENSG00000213443	RP11_75L1.2	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.151	ENSG00000260534	RP11_1006G144	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.582	ENSG00000272444	RP11_1017G216	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.192	ENSG00000261468	RP11_1024P171	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.367	ENSG00000259326	RP11_102L122	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.034	ENSG00000240695	RP11_102M111	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.624	ENSG00000233411	RP11_104L212	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.348	ENSG00000225300	RP11_1086F111	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.913	ENSG00000267074	RP11_1094M145	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.59	ENSG00000267312	RP11_1094M147	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.846	ENSG00000253475	RP11_110G212	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.794	ENSG00000255121	RP11_110I112	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.066	ENSG00000232611	RP11_1114A54	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.912	ENSG00000255135	RP11_111M223	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.317	ENSG00000227388	RP11_112J316	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-10.118	ENSG00000257764	RP11_1143G94	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.116	ENSG00000230138	RP11_117D222	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.153	ENSG00000257169	RP11_117N22	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.063	ENSG00000272927	RP11_119I125	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.38	ENSG00000272908	RP11_121A81	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.596	ENSG00000259959	RP11_121C22	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.706	ENSG00000234961	RP11_124N143	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.485	ENSG00000258539	RP11_12J103	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.515	ENSG00000179978	RP11_1319K71	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.447	ENSG00000224536	RP11_134G87	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.894	ENSG00000265401	RP11_138I14	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.389	ENSG00000241170	RP11_147I31	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.989	ENSG00000267731	RP11_147L138	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.556	ENSG00000244151	RP11_148K112	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.915	ENSG00000272477	RP11_158G181	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.671	ENSG00000264112	RP11_159D122	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.369	ENSG00000260723	RP11_165M12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.128	ENSG00000261560	RP11_166B23	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.089	ENSG00000273448	RP11_166O46	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.218	ENSG00000255847	RP11_167N42	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.365	ENSG00000239557	RP11_168J186	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.526	ENSG00000261542	RP11_16E183	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.143	ENSG00000261544	RP11_16E233	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.101	ENSG00000261428	RP11_16P61	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.623	ENSG00000270574	RP11_171I22	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.015	ENSG00000271011	RP11_171J25	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.577	ENSG00000266900	RP11_173A162	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.055	ENSG00000257489	RP11_175P133	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.624	ENSG00000258472	RP11_192H234	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.595	ENSG00000264044	RP11_192H237	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.113	ENSG00000260911	RP11_196G112	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.806	ENSG00000262766	RP11_196G114	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.367	ENSG00000266126	RP11_209D144	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.158	ENSG00000261997	RP11_212I214	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.412	ENSG00000269938	RP11_214K320	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.571	ENSG00000266378	RP11_214O13	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.884	ENSG00000248559	RP11_215P83	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.424	ENSG00000273066	RP11_216L1319	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.875	ENSG00000111788	RP11_22B231	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.52	ENSG00000248773	RP11_231L113	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.613	ENSG00000227034	RP11_234N171	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.335	ENSG00000262248	RP11_235E175	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.68	ENSG00000258352	RP11_23J181	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.624	ENSG00000174171	RP11_23P136	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.91	ENSG00000271843	RP11_245J95	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.643	ENSG00000270062	RP11_248J183	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.021	ENSG00000229721	RP11_252I141	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.01	ENSG00000272711	RP11_259N191	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.058	ENSG00000272807	RP11_260M21	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.807	ENSG00000254419	RP11_261P94	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.47	ENSG00000239280	RP11_271C243	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.72	ENSG00000243679	RP11_274B213	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.762	ENSG00000230715	RP11_274B214	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.085	ENSG00000260671	RP11_278A232	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.644	ENSG00000242861	RP11_285F72	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.3	ENSG00000223612	RP11_289I102	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.742	ENSG00000273149	RP11_290D26	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.417	ENSG00000267940	RP11_290F246	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.791	ENSG00000231615	RP11_296O142	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.962	ENSG00000269929	RP11_2B62	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.348	ENSG00000262837	RP11_304F157	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.849	ENSG00000268659	RP11_310J243	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.726	ENSG00000227740	RP11_318C242	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.695	ENSG00000254325	RP11_318K152	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.565	ENSG00000254783	RP11_320L112	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.346	ENSG00000237513	RP11_325F222	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.459	ENSG00000261270	RP11_325K43	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.338	ENSG00000251661	RP11_326C311	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.908	ENSG00000255328	RP11_326C312	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.65	ENSG00000255026	RP11_326C32	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.73	ENSG00000272755	RP11_326G211	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.742	ENSG00000271646	RP11_326I113	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.989	ENSG00000270426	RP11_326I115	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other

-6.703	ENSG00000261644	RP11_327F222	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.397	ENSG00000270120	RP11_327F226	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.996	ENSG00000231856	RP11_327P25	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.651	ENSG00000203644	RP11_332M21	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.865	ENSG00000259984	RP11_335G207	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.779	ENSG00000232466	RP11_337A235	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.498	ENSG00000237188	RP11_337C188	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.945	ENSG00000272644	RP11_330A1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.066	ENSG00000270696	RP11_342K61	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.94	ENSG00000271452	RP11_342K62	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.222	ENSG00000271862	RP11_343L52	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.413	ENSG00000271009	RP11_346C203	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.028	ENSG00000259232	RP11_349G131	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.912	ENSG00000230928	RP11_34A143	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.078	ENSG00000239906	RP11_34P1314	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.262	ENSG00000258632	RP11_354B31	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.575	ENSG00000270820	RP11_355B12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.374	ENSG00000226822	RP11_356N12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.659	ENSG00000256973	RP11_359J142	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.505	ENSG00000272574	RP11_359K184	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.834	ENSG00000260144	RP11_361M103	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.801	ENSG00000250189	RP11_362F192	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.254	ENSG00000272632	RP11_362F193	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.705	ENSG00000228280	RP11_367B62	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.879	ENSG00000269514	RP11_370I1012	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.773	ENSG00000272267	RP11_375N152	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.266	ENSG00000261338	RP11_378A131	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.442	ENSG00000272750	RP11_378J188	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.863	ENSG00000268220	RP11_379K1712	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.941	ENSG00000224745	RP11_380G52	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.402	ENSG00000250159	RP11_381K202	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.543	ENSG00000254272	RP11_382J242	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.536	ENSG00000230063	RP11_384C46	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.047	ENSG00000258017	RP11_386G1110	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.489	ENSG00000260060	RP11_388M201	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.83	ENSG00000272686	RP11_390E236	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.545	ENSG00000270060	RP11_390K56	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.436	ENSG00000272667	RP11_395A132	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.231	ENSG00000260296	RP11_395I63	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.207	ENSG00000272562	RP11_396C234	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.031	ENSG00000235358	RP11_399E61	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.302	ENSG00000261438	RP11_399O199	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.002	ENSG00000241157	RP11_3K241	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.131	ENSG00000230735	RP11_413E14	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.578	ENSG00000271964	RP11_415F232	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.105	ENSG00000272529	RP11_415F234	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.913	ENSG00000270115	RP11_415J87	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.098	ENSG00000272054	RP11_423P102	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.67	ENSG00000260197	RP11_424G141	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.051	ENSG00000260517	RP11_426C225	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.949	ENSG00000240219	RP11_430C75	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.27	ENSG00000238058	RP11_432J222	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.435	ENSG00000273174	RP11_434H66	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.343	ENSG00000273245	RP11_434P112	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.127	ENSG00000241889	RP11_435F173	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.041	ENSG00000254207	RP11_43A141	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.255	ENSG00000258111	RP11_43D42	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.936	ENSG00000258082	RP11_443B73	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.163	ENSG00000261490	RP11_448G153	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.538	ENSG00000273151	RP11_449P152	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.609	ENSG00000262714	RP11_44F148	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.491	ENSG00000253372	RP11_44N111	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.143	ENSG00000272839	RP11_452C131	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.56	ENSG00000261208	RP11_452D121	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.327	ENSG00000261056	RP11_454F82	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.056	ENSG00000259318	RP11_454L92	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.181	ENSG00000261416	RP11_455F55	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.051	ENSG00000232546	RP11_458F81	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.261	ENSG00000272555	RP11_459I191	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.338	ENSG00000264546	RP11_464D206	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.119	ENSG00000272735	RP11_467P91	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.306	ENSG00000259321	RP11_468E25	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.207	ENSG00000243155	RP11_46A105	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.737	ENSG00000259877	RP11_46C247	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.498	ENSG00000261512	RP11_46D61	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.582	ENSG00000262370	RP11_473M209	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.794	ENSG00000235381	RP11_477D192	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.021	ENSG00000217512	RP11_477E32	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.81	ENSG00000273038	RP11_479G228	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.177	ENSG00000232334	RP11_47G112	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.788	ENSG00000235449	RP11_480I122	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.555	ENSG00000251379	RP11_480A201	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.999	ENSG00000259865	RP11_488L1810	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.709	ENSG00000229447	RP11_490K74	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.837	ENSG00000262663	RP11_497H171	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.451	ENSG00000263731	RP11_498C915	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.865	ENSG00000269970	RP11_498E29	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.255	ENSG00000236095	RP11_49O142	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.749	ENSG00000227076	RP11_4C204	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.092	ENSG00000254165	RP11_503E242	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.508	ENSG00000272983	RP11_508N2212	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other

-6.02	ENSG00000257322	RP11_511B232	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.193	ENSG00000258230	RP11_511H93	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.666	ENSG00000266801	RP11_521L92	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.431	ENSG00000262503	RP11_530N72	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.728	ENSG00000272906	RP11_533E197	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.693	ENSG00000232807	RP11_536K73	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.621	ENSG00000272746	RP11_53B26	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.29	ENSG00000272335	RP11_53O193	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.927	ENSG00000273466	RP11_548H31	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.383	ENSG00000251023	RP11_549J181	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.742	ENSG00000214067	RP11_549L63	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.29	ENSG00000228417	RP11_549L63	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.311	ENSG00000260601	RP11_552C151	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.244	ENSG00000260948	RP11_552M118	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.509	ENSG00000225948	RP11_554I81	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.779	ENSG00000271851	RP11_565F192	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.434	ENSG00000255358	RP11_567O181	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.634	ENSG00000272650	RP11_571I184	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.976	ENSG00000257342	RP11_571M67	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.666	ENSG00000270195	RP11_572O171	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.691	ENSG00000272140	RP11_574K1129	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.345	ENSG00000216809	RP11_57K171	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.563	ENSG00000263766	RP11_580I162	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.895	ENSG00000257497	RP11_585P45	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.272	ENSG00000269899	RP11_589N152	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-6.519	ENSG00000255710	RP11_667M199	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.74	ENSG00000254676	RP11_727A234	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.122	ENSG00000263606	RP11_737O243	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-7.359	ENSG00000270108	RP11_73M186	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.26	ENSG00000270072	RP11_750H97	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-6.768	ENSG00000267263	RP11_75C107	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.243	ENSG00000259562	RP11_762H82	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.261	ENSG00000257509	RP11_762I74	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.617	ENSG00000259939	RP11_77H95	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.801	ENSG00000260979	RP11_77H98	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.218	ENSG00000256928	RP11_809N82	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.698	ENSG00000256448	RP11_809N84	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-4.892	ENSG00000261529	RP13_487P221	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.66	ENSG00000272341	RP1_151F172	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.751	ENSG00000227920	RP1_153P145	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
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-5.685	ENSG00000272345	RP1_30M35	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.171	ENSG00000251194	RP1_68D182	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.361	ENSG00000231769	RP1_88B14	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.827	ENSG00000213204	RP3-382I10.7	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.256	ENSG00000272449	RP3_395M2012	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.445	ENSG00000228140	RP3_467K164	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.641	ENSG00000231113	RP3_475N161	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-3.613	ENSG00000235008	RP3_497J211	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.404	ENSG00000230149	RP3_508I1519	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.901	ENSG00000273096	RP3_508I1520	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.283	ENSG00000261582	RP4-614O4.11	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.771	ENSG00000266993	RP4-657D16.3	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.898	ENSG00000231485	RP4_535B201	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.656	ENSG00000244198	RP4_545C241	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.597	ENSG00000224635	RP4_564F225	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.76	ENSG00000225938	RP4_575N64	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.846	ENSG00000242324	RP4_576H242	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.331	ENSG00000268858	RP4_591C209	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.368	ENSG00000225616	RP4_604A211	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.682	ENSG00000272368	RP4_605O34	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.963	ENSG00000271895	RP4_635E188	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.659	ENSG00000258944	RP4_647C143	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-10.054	ENSG00000260997	RP4_647J211	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.795	ENSG00000237094	RP4_669L1710	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.959	ENSG00000240143	RP4_753P93	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.664	ENSG00000272455	RP4_758J1813	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.555	ENSG00000258634	RP4_773N104	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.694	ENSG00000228830	RP4_781K52	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.284	ENSG00000226396	RP5-1056L3.3	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.891	ENSG00000248503	RP5_1000K242	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.94	ENSG00000258653	RP5_1021I204	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.168	ENSG00000270140	RP5_1021I206	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.556	ENSG00000237788	RP5_1041C103	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.725	ENSG00000261662	RP5_1042I87	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.963	ENSG00000273382	RP5_1065J228	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-8.396	ENSG00000260257	RP5_1085F173	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other

-7.054	ENSG00000224950	RP5_1086K131	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.726	ENSG00000270605	RP5_1092A34	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.377	ENSG00000263120	RP5_1107A174	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.819	ENSG00000271789	RP5_1112D67	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.523	ENSG00000273314	RP5_1136G132	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.269	ENSG00000269890	RP5_1139B122	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.852	ENSG00000225113	RP5_1160K13	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.085	ENSG00000272982	RP5_1180E214	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.171	ENSG00000273221	RP5_1180E215	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.585	ENSG00000267457	RP5_837J14	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.071	ENSG00000239291	RP5_867C241	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.998	ENSG00000262265	RP5_867C244	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.156	ENSG00000260793	RP5_882C22	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.844	ENSG00000247853	RP5_940J56	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.549	ENSG00000269968	RP5_940J59	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.781	ENSG00000272931	RP5_943J32	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.879	ENSG00000243696	RP5_966M16	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.591	ENSG00000229591	RP5_981O72	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.607	ENSG00000232031	RP5_991C64	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.208	ENSG00000273289	RP6_109B75	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.791	ENSG00000205763	RP9P	RP9 pseudogene	Other
-7.805	ENSG00000092200	RPGRI1	RPRG interacting protein 1	Extracellular Space
-7.325	ENSG00000103494	RPGRI1L	RPRGRI1 like	Cytoplasm
-9.025	ENSG00000089169	RPH3A	rabphilin 3A	Plasma Membrane
-6.761	ENSG00000233609	RPL10P19	ribosomal protein L10 pseudogene 19	Other
-4.826	ENSG00000233913	RPL10P9	ribosomal protein L10 pseudogene 9	Other
-5.825	ENSG00000239272	RPL21P10	ribosomal protein L21 pseudogene 10	Other
-8.59	ENSG00000240531	RPL21P123	ribosomal protein L21 pseudogene 123	Other
-5.317	ENSG00000220749	RPL21P28	ribosomal protein L21 pseudogene 28	Other
-5.406	ENSG00000213860	RPL21P75	ribosomal protein L21 pseudogene 75	Other
-4.38	ENSG00000225067	RPL23AP2	ribosomal protein L23a pseudogene 2	Other
-6.001	ENSG00000223508	RPL23AP53	ribosomal protein L23a pseudogene 53	Other
-3.581	ENSG00000227694	RPL23AP74	ribosomal protein L23a pseudogene 74	Other
-7.535	ENSG00000224796	RPL32P1	ribosomal protein L32 pseudogene 1	Other
-5.536	ENSG00000251474	RPL32P3	ribosomal protein L32 pseudogene 3	Other
-5.362	ENSG00000231508	RPL34P20	ribosomal protein L34 pseudogene 20	Other
-3.097	ENSG00000198918	RPL39	ribosomal protein L39	Cytoplasm
-5.681	ENSG00000235174	RPL39P3	ribosomal protein L39 pseudogene 3	Other
-5.533	ENSG00000230071	RPL4P6	ribosomal protein L4 pseudogene 6	Other
-5.262	ENSG00000242697	RPL5P12	ribosomal protein L5 pseudogene 12	Other
-5.027	ENSG00000214727	RPL5P35	ribosomal protein L5 pseudogene 35	Other
-6.869	ENSG00000213152	RPL7AP60	ribosomal protein L7a pseudogene 60	Other
-7.494	ENSG00000213876	RPL7AP64	ribosomal protein L7a pseudogene 64	Other
-6.8	ENSG00000243806	RPL7P18	ribosomal protein L7 pseudogene 18	Other
-6.095	ENSG00000229917	RPL7P46	ribosomal protein L7 pseudogene 46	Other
-6.798	ENSG00000124787	RPP40	ribonuclease P/MRP subunit p40	Nucleus
-6.665	ENSG00000240435	RPS12P27	ribosomal protein S12 pseudogene 27	Other
-6.959	ENSG00000225447	RPS15AP10	ribosomal protein S15a pseudogene 10	Other
-6.51	ENSG00000217527	RPS16P5	ribosomal protein S16 pseudogene 5	Other
-5.145	ENSG00000241641	RPS23P6	ribosomal protein S23 pseudogene 6	Other
-6.702	ENSG00000232437	RPS26P42	ribosomal protein S26 pseudogene 42	Other
-6.498	ENSG00000225224	RPS27AP12	ribosomal protein S27a pseudogene 12	Other
-5.88	ENSG00000227097	RPS28P7	ribosomal protein S28 pseudogene 7	Other
-6.019	ENSG00000229054	RPS29P14	ribosomal protein S29 pseudogene 14	Other
-6.49	ENSG00000227032	RPS2P36	ribosomal protein S2 pseudogene 36	Other
-6.22	ENSG00000243609	RPS2P44	ribosomal protein S2 pseudogene 44	Other
-5.758	ENSG00000244378	RPS2P45	ribosomal protein S2 pseudogene 45	Other
-2.818	ENSG00000240342	RPS2P5	ribosomal protein S2 pseudogene 5	Other
-6.147	ENSG00000237818	RPS3AP29	ribosomal protein S3a pseudogene 29	Other
-5.266	ENSG00000242607	RPS3AP34	ribosomal protein S3a pseudogene 34	Other
-6.404	ENSG00000226318	RPS3AP38	ribosomal protein S3a pseudogene 38	Other
-6.001	ENSG00000231307	RPS3P2	ribosomal protein S3 pseudogene 2	Other
-4.834	ENSG00000226948	RPS4XP2	ribosomal protein S4X pseudogene 2	Other
-5.996	ENSG00000240616	RPS6P25	ribosomal protein S6 pseudogene 25	Other
-1.425	ENSG00000170889	RPS9	ribosomal protein S9	Cytoplasm
-6.41	ENSG00000235145	RPSAP16	ribosomal protein SA pseudogene 16	Other
-4.9	ENSG00000226498	RPSAP21	ribosomal protein SA pseudogene 21	Other
-6.636	ENSG00000233836	RPSAP58	ribosomal protein SA pseudogene 58	Other
-9.233	ENSG00000007376	RPUSD1	RNA pseudouridine synthase domain containing 1	Other
-8.735	ENSG00000156990	RPUSD3	RNA pseudouridine synthase D3	Other
-9.268	ENSG00000165526	RPUSD4	RNA pseudouridine synthase D4	Cytoplasm
-9.894	ENSG00000103472	RRN3P2	RRN3 homolog, RNA polymerase I transcription factor pseudogene 2	Other
-7.504	ENSG00000114767	RRP9	ribosomal RNA processing 9, U3 small nucleolar RNA binding protein	Nucleus
-7.011	ENSG00000254985	RSF1-IT2	RSF1 intronic transcript 2	Other
-6.031	ENSG00000167524	RSKR	ribosomal protein S6 kinase related	Other
-6.694	ENSG00000258366	RTEL1	regulator of telomere elongation helicase 1	Nucleus
-6.484	ENSG0000026036	RTEL1-TNFRSF6B	RTEL1-TNFRSF6B readthrough (NMD candidate)	Other
-7.204	ENSG00000251441	RTEL1P1	regulator of telomere elongation helicase 1 pseudogene 1	Other
-8.041	ENSG00000130347	RTN4IP1	reticulon 4 interacting protein 1	Cytoplasm
-6.115	ENSG00000040608	RTN4R	reticulon 4 receptor	Plasma Membrane
-5.949	ENSG00000186907	RTN4RL2	reticulon 4 receptor like 2	Plasma Membrane
-6.692	ENSG00000102445	RUBCNL	rubicon like autophagy enhancer	Other
-7.767	ENSG00000188282	RUFY4	RUN and FYVE domain containing 4	Other
-6.632	ENSG00000267750	RUNDC3A-AS1	RUNDC3A antisense RNA 1	Other
-10.582	ENSG00000124813	RUNX2	runt related transcription factor 2	Nucleus
-12.959	ENSG0000020633	RUNX3	runt related transcription factor 3	Nucleus
-7.661	ENSG00000225855	RUSC1-AS1	RUSC1 antisense RNA 1	Other
-6.925	ENSG00000156253	RWD domain	RWD domain containing 2B	Other
-7.312	ENSG00000122481	RWDD3	RWD domain containing 3	Other
-9.102	ENSG00000182552	RWDD4	RWD domain containing 4	Other
-3.588	ENSG00000186350	RXRA	retinoid X receptor alpha	Nucleus

-8.039	ENSG00000196218	RYR1	ryanodine receptor 1	Cytoplasm
-13.718	ENSG00000163221	S100A12	S100 calcium binding protein A12	Cytoplasm
-12.261	ENSG00000196154	S100A4	S100 calcium binding protein A4	Cytoplasm
-5.55	ENSG00000197956	S100A6	S100 calcium binding protein A6	Cytoplasm
-16.237	ENSG00000143546	S100A8	S100 calcium binding protein A8	Cytoplasm
-16.39	ENSG00000163220	S100A9	S100 calcium binding protein A9	Cytoplasm
-5.568	ENSG00000160307	S100B	S100 calcium binding protein B	Cytoplasm
-10.271	ENSG00000116497	S100PBP	S100P binding protein	Nucleus
-8.561	ENSG00000171643	S100Z	S100 calcium binding protein Z	Other
-10.548	ENSG00000170989	S1PR1	sphingosine-1-phosphate receptor 1	Plasma Membrane
-5.84	ENSG00000267534	S1PR2	sphingosine-1-phosphate receptor 2	Plasma Membrane
-10.43	ENSG00000125910	S1PR4	sphingosine-1-phosphate receptor 4	Plasma Membrane
-11.006	ENSG00000180739	S1PR5	sphingosine-1-phosphate receptor 5	Plasma Membrane
-7.531	ENSG00000130590	SAMD10	sterile alpha motif domain containing 10	Other
-11.251	ENSG00000164483	SAMD3	sterile alpha motif domain containing 3	Other
-12.745	ENSG00000177409	SAMD9L	sterile alpha motif domain containing 9 like	Extracellular Space
-14.788	ENSG00000101347	SAMHD1	SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1	Nucleus
-12.033	ENSG00000155307	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1	Nucleus
-5.241	ENSG00000136715	SAP130	Sin3A associated protein 130	Nucleus
-7.278	ENSG00000205323	SARNP	SAP domain containing ribonucleoprotein	Nucleus
-12.639	ENSG00000122122	SASH3	SAM and SH3 domain containing 3	Cytoplasm
-8.512	ENSG00000156876	SASS6	SAS-6 centriolar assembly protein	Cytoplasm
-7.781	ENSG00000228956	SATB1-AS1	SATB1 antisense RNA 1	Other
-6.454	ENSG00000246273	SBF2-AS1	SBF2 antisense RNA 1	Other
-7.435	ENSG00000245556	SCAMP1-AS1	SCAMP1 antisense RNA 1	Other
-7.142	ENSG00000244486	SCARF2	scavenger receptor class F member 2	Plasma Membrane
-5.475	ENSG00000236345	SCAT8	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.102	ENSG00000145284	SCD5	stearoyl-CoA desaturase 5	Cytoplasm
-5.91	ENSG00000188076	SCGB1C1/SCGB1C2	secretoglobulin family 1C member 1	Other
-11.657	ENSG00000161929	SCIMP	SLP adaptor and CSK interacting membrane protein	Plasma Membrane
-4.76	ENSG00000102098	SCML2	Scm polycomb group protein like 2	Nucleus
-9.814	ENSG00000146285	SCML4	Scm polycomb group protein like 4	Nucleus
-6.746	ENSG00000105711	SCN1B	sodium voltage-gated channel beta subunit 1	Plasma Membrane
-7.3	ENSG00000183873	SCN5A	sodium voltage-gated channel alpha subunit 5	Plasma Membrane
-9.783	ENSG00000130489	SCO2	SCO cytochrome c oxidase assembly protein 2	Cytoplasm
-12.174	ENSG00000121064	SCPEP1	serine carboxypeptidase 1	Cytoplasm
-8.748	ENSG00000141295	SCRN2	secernin 2	Extracellular Space
-5	ENSG00000159307	SCUBE1	signal peptide, CUB domain and EGF like domain containing 1	Plasma Membrane
-6.991	ENSG00000228451	SDAD1P1	SDA1 domain containing 1 pseudogene 1	Other
-6.06	ENSG00000125775	SDCBP2	syndecan binding protein 2	Cytoplasm
-8.002	ENSG00000128228	SDF2L1	stromal cell derived factor 2 like 1	Cytoplasm
-7.259	ENSG00000196636	SDHAF3	succinate dehydrogenase complex assembly factor 3	Cytoplasm
-6.449	ENSG00000185986	SDHAP3	succinate dehydrogenase complex flavoprotein subunit A pseudogene 3	Other
-7.343	ENSG00000069188	SDK2	sidekick cell adhesion molecule 2	Plasma Membrane
-7.236	ENSG00000213693	SEC14L1P1	SEC14 like 1 pseudogene 1	Other
-7.703	ENSG00000133488	SEC14L4	SEC14 like lipid binding 4	Other
-3.788	ENSG00000075826	SEC31B	SEC31 homolog B, COPII coat complex component	Cytoplasm
-7.286	ENSG00000198832	SELENOM	selenoprotein M	Cytoplasm
-6.357	ENSG00000188404	SELL	selectin L	Plasma Membrane
-12.937	ENSG00000110876	SELPLG	selectin P ligand	Plasma Membrane
-5.922	ENSG00000196189	SEMA4A	semaphorin 4A	Plasma Membrane
-7.252	ENSG00000135622	SEMA4F	ssemaphorin 4F	Plasma Membrane
-6.808	ENSG00000112902	SEMA5A	semaphorin 5A	Plasma Membrane
-6.772	ENSG00000248445	SEMA6A-AS1	SEMA6A antisense RNA 1	Other
-6.023	ENSG00000167680	SEMA6B	semaphorin 6B	Plasma Membrane
-8.023	ENSG00000138623	SEMA7A	semaphorin 7A (John Milton Hagen blood group)	Plasma Membrane
-7.914	ENSG00000161956	SENP3	SUMO specific peptidase 3	Nucleus
-8.343	ENSG00000180096	1-Sep	septin 1	Cytoplasm
-1.568	ENSG00000184640	9-Sep	septin 9	Cytoplasm
-14.926	ENSG00000197249	SERPINA1	serpin family A member 1	Extracellular Space
-10.448	ENSG00000242550	SERPINB10	serpin family B member 10	Cytoplasm
-5.049	ENSG00000197632	SERPINB2	serpin family B member 2	Extracellular Space
-8.654	ENSG00000132386	SERPINF1	serpin family F member 1	Extracellular Space
-5.823	ENSG00000114204	SERPINI2	serpin family I member 2	Extracellular Space
-8.444	ENSG00000130766	SESN2	sestrin 2	Cytoplasm
-8.34	ENSG00000103037	SETD6	SET domain containing 6, protein lysine methyltransferase	Nucleus
-7.11	ENSG00000155542	SETD9	SET domain containing 9	Nucleus
-10.189	ENSG00000136169	SETD8	SET domain bifurcated histone lysine methyltransferase 2	Nucleus
-7.415	ENSG00000170364	SETMAR	SET domain and mariner transposase fusion gene	Nucleus
-1.337	ENSG00000107290	SETX	senataxin	Nucleus
-6.061	ENSG00000100095	SEZ6L	seizure related 6 homolog like	Plasma Membrane
-7.717	ENSG00000156384	SFR1	SWI5 dependent homologous recombination repair protein 1	Nucleus
-5.628	ENSG00000227541	SFR1P1	SFR1 pseudogene 1	Other
-8.184	ENSG00000145423	SFRP2	secreted frizzled related protein 2	Plasma Membrane
-3.24	ENSG00000213064	SFT2D2	SFT2 domain containing 2	Cytoplasm
-8.692	ENSG00000173349	SFT2D3	SFT2 domain containing 3	Other
-8.131	ENSG00000118473	SGIP1	SH3 domain GRB2 like endophilin interacting protein 1	Cytoplasm
-10.993	ENSG00000181523	SGSH	N-sulfoglucosamine sulfohydrolase	Cytoplasm
-7.789	ENSG00000167037	SGSM1	small G protein signaling modulator 1	Nucleus
-8.238	ENSG00000160999	SH2B2	SH2B adaptor protein 2	Cytoplasm
-9.097	ENSG00000198574	SH2D1B	SH2 domain containing 1B	Cytoplasm
-4.645	ENSG00000027869	SH2D2A	SH2 domain containing 2A	Cytoplasm
-11.512	ENSG00000095370	SH2D3C	SH2 domain containing 3C	Cytoplasm
-7.176	ENSG00000266777	SH3GLP1	SH3 domain containing GRB2 like 1, endophilin A2 pseudogene 1	Other
-5.521	ENSG00000147010	SH3KBP1	SH3 domain containing kinase binding protein 1	Cytoplasm
-8.103	ENSG00000172985	SH3RF3	SH3 domain containing ring finger 3	Other
-6.036	ENSG00000138606	SHF	Src homology 2 domain containing F	Other
-7.405	ENSG00000187902	SHISA7	shisa family member 7	Plasma Membrane
-8.702	ENSG00000182183	SHISAL2A	shisa like 2A	Other
-12.548	ENSG00000160410	SHKBP1	SH3KBP1 binding protein 1	Other
-7.521	ENSG00000171984	SHLD1	shieldin complex subunit 1	Nucleus

-5.489	ENSG00000197417	SHPK	sedoheptulokinase	Cytoplasm
-4.774	ENSG00000185187	SIGIRR	single Ig and TIR domain containing	Plasma Membrane
-9.775	ENSG00000088827	SIGLEC1	sialic acid binding Ig like lectin 1	Plasma Membrane
-10.242	ENSG00000142512	SIGLEC10	sialic acid binding Ig like lectin 10	Plasma Membrane
-10.481	ENSG00000254415	SIGLEC14	sialic acid binding Ig like lectin 14	Plasma Membrane
-7.482	ENSG00000197046	SIGLEC15	sialic acid binding Ig like lectin 15	Plasma Membrane
-7.657	ENSG00000161643	SIGLEC16	sialic acid binding Ig like lectin 16 (gene/pseudogene)	Plasma Membrane
-7.135	ENSG00000171101	SIGLEC17P	sialic acid binding Ig like lectin 17, pseudogene	Other
-5.387	ENSG00000268581	SIGLEC18P	sialic acid binding Ig like lectin 18, pseudogene	Other
-8.675	ENSG00000268849	SIGLEC22P	sialic acid binding Ig like lectin 22, pseudogene	Other
-8.238	ENSG00000105501	SIGLEC5	sialic acid binding Ig like lectin 5	Plasma Membrane
-9.394	ENSG00000168995	SIGLEC7	sialic acid binding Ig like lectin 7	Plasma Membrane
-10.655	ENSG00000129450	SIGLEC9	sialic acid binding Ig like lectin 9	Plasma Membrane
-6.607	ENSG00000213445	SIPA1	signal-induced proliferation-associated 1	Cytoplasm
-7.432	ENSG00000198053	SIRPA	signal regulatory protein alpha	Plasma Membrane
-6.414	ENSG00000225774	SIRPAP1	signal regulatory protein alpha pseudogene 1	Other
-12.426	ENSG00000101307	SIRPB1	signal regulatory protein beta 1	Plasma Membrane
-11.459	ENSG00000196209	SIRPB2	signal regulatory protein beta 2	Other
-7.205	ENSG00000125900	SIRPD	signal regulatory protein delta	Other
-6.716	ENSG00000089012	SIRPG	signal regulatory protein gamma	Plasma Membrane
-5.979	ENSG00000142082	SIRT3	sirtuin 3	Cytoplasm
-9.435	ENSG00000124523	SIRT5	sirtuin 5	Cytoplasm
-7.881	ENSG00000077463	SIRT6	sirtuin 6	Nucleus
-7.116	ENSG00000137078	SIT1	signaling threshold regulating transmembrane adaptor 1	Plasma Membrane
-10.686	ENSG00000141293	SKAP1	src kinase associated phosphoprotein 1	Cytoplasm
-7.565	ENSG00000188779	SKOR1	SKI family transcriptional corepressor 1	Nucleus
-8.924	ENSG00000117090	SLAMF1	signaling lymphocytic activation molecule family member 1	Plasma Membrane
-10.606	ENSG00000162739	SLAMF6	SLAM family member 6	Plasma Membrane
-11.172	ENSG00000026751	SLAMF7	SLAM family member 7	Plasma Membrane
-7.037	ENSG00000158714	SLAMF8	SLAM family member 8	Extracellular Space
-13.581	ENSG00000018280	SLC11A1	solute carrier family 11 member 1	Plasma Membrane
-7.012	ENSG00000204044	SLC12A5-AS1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.557	ENSG00000140199	SLC12A6	solute carrier family 12 member 6	Plasma Membrane
-10.847	ENSG00000110446	SLC15A3	solute carrier family 15 member 3	Cytoplasm
-6.757	ENSG00000174327	SLC16A13	solute carrier family 16 member 13	Cytoplasm
-3.807	ENSG00000141526	SLC16A3	solute carrier family 16 member 3	Plasma Membrane
-9.473	ENSG00000170190	SLC16A5	solute carrier family 16 member 5	Plasma Membrane
-8.044	ENSG00000101194	SLC17A9	solute carrier family 17 member 9	Cytoplasm
-9.334	ENSG00000146409	SLC18B1	solute carrier family 18 member B1	Other
-5.782	ENSG00000079215	SLC1A3	solute carrier family 1 member 3	Plasma Membrane
-6.578	ENSG00000175003	SLC22A1	solute carrier family 22 member 1	Plasma Membrane
-8.173	ENSG00000004809	SLC22A16	solute carrier family 22 member 16	Plasma Membrane
-8.286	ENSG00000110628	SLC22A18	solute carrier family 22 member 18	Plasma Membrane
-10.052	ENSG00000197208	SLC22A4	solute carrier family 22 member 4	Plasma Membrane
-11.685	ENSG00000140090	SLC24A4	solute carrier family 24 member 4	Plasma Membrane
-7.421	ENSG00000102078	SLC25A14	solute carrier family 25 member 14	Cytoplasm
-7.185	ENSG00000125454	SLC25A19	solute carrier family 25 member 19	Cytoplasm
-9.596	ENSG00000178537	SLC25A20	solute carrier family 25 member 20	Cytoplasm
-5.16	ENSG00000162461	SLC25A34	solute carrier family 25 member 34	Cytoplasm
-3.112	ENSG00000133006	SLC25A39	solute carrier family 25 member 39	Cytoplasm
-10.4	ENSG00000075303	SLC25A40	solute carrier family 25 member 40	Cytoplasm
-8.359	ENSG00000181035	SLC25A42	solute carrier family 25 member 42	Cytoplasm
-9.312	ENSG00000162241	SLC25A45	solute carrier family 25 member 45	Cytoplasm
-8.916	ENSG00000122696	SLC25A51	solute carrier family 25 member 51	Cytoplasm
-7.604	ENSG00000112053	SLC26A8	solute carrier family 26 member 8	Plasma Membrane
-10.305	ENSG00000130304	SLC27A1	solute carrier family 27 member 1	Plasma Membrane
-6.748	ENSG00000083807	SLC27A5	solute carrier family 27 member 5	Cytoplasm
-8.043	ENSG00000197506	SLC28A3	solute carrier family 28 member 3	Plasma Membrane
-8.827	ENSG00000198246	SLC29A3	solute carrier family 29 member 3	Plasma Membrane
-5.665	ENSG00000227533	SLC2A1-AS1	SLC2A1 antisense RNA 1	Other
-8.675	ENSG00000151229	SLC2A13	solute carrier family 2 member 13	Plasma Membrane
-5.191	ENSG00000173262	SLC2A14	solute carrier family 2 member 14	Nucleus
-9.806	ENSG00000142583	SLC2A5	solute carrier family 2 member 5	Plasma Membrane
-10.336	ENSG00000160326	SLC2A6	solute carrier family 2 member 6	Plasma Membrane
-4.602	ENSG00000152683	SLC30A6	solute carrier family 30 member 6	Cytoplasm
-10.43	ENSG00000136868	SLC31A1	solute carrier family 31 member 1	Plasma Membrane
-10.184	ENSG00000169359	SLC33A1	solute carrier family 33 member 1	Cytoplasm
-8.104	ENSG00000164414	SLC35A1	solute carrier family 35 member A1	Cytoplasm
-5.448	ENSG00000182747	SLC35D3	solute carrier family 35 member D3	Cytoplasm
-7.194	ENSG00000215790	SLC35E2A	solute carrier family 35 member E2A	Other
-7.049	ENSG00000100036	SLC35E4	solute carrier family 35 member E4	Other
-5.033	ENSG00000183780	SLC35F3	solute carrier family 35 member F3	Other
-4.742	ENSG00000134955	SLC37A2	solute carrier family 37 member 2	Cytoplasm
-5.603	ENSG00000169507	SLC38A11	solute carrier family 38 member 11	Other
-9.686	ENSG00000177058	SLC38A9	solute carrier family 38 member 9	Extracellular Space
-10.194	ENSG00000133195	SLC39A11	solute carrier family 39 member 11	Other
-9.185	ENSG00000134802	SLC43A3	solute carrier family 43 member 3	Extracellular Space
-9.238	ENSG00000119457	SLC46A2	solute carrier family 46 member 2	Plasma Membrane
-5.261	ENSG00000142494	SLC47A1	solute carrier family 47 member 1	Plasma Membrane
-8.465	ENSG00000169026	SLC49A3	solute carrier family 49 member 3	Other
-6.026	ENSG00000144290	SLC4A10	solute carrier family 4 member 10	Plasma Membrane
-6.435	ENSG00000188687	SLC4A5	solute carrier family 4 member 5	Plasma Membrane
-6.262	ENSG00000163959	SLC51A	solute carrier family 51 alpha subunit	Plasma Membrane
-6.461	ENSG00000154025	SLC5A10	solute carrier family 5 member 10	Cytoplasm
-6.059	ENSG00000140675	SLC5A2	solute carrier family 5 member 2	Plasma Membrane
-8.021	ENSG00000111181	SLC6A12	solute carrier family 6 member 12	Plasma Membrane
-8.502	ENSG00000063127	SLC6A16	solute carrier family 6 member 16	Plasma Membrane
-12.596	ENSG00000155465	SLC7A7	solute carrier family 7 member 7	Plasma Membrane
-12.501	ENSG00000183023	SLC8A1	solute carrier family 8 member A1	Plasma Membrane
-5.514	ENSG00000135740	SLC9A5	solute carrier family 9 member A5	Plasma Membrane
-9.055	ENSG00000227825	SLC9A7P1	solute carrier family 9 member 7 pseudogene 1	Other

-10.934	ENSG00000173930	SLCO4C1	solute carrier organic anion transporter family member 4C1	Plasma Membrane
-11.776	ENSG00000172716	SLFN11	schlafen family member 11	Nucleus
-10.963	ENSG00000205045	SLFN12L	schlafen family member 12 like	Other
-10.782	ENSG00000154760	SLFN13	schlafen family member 13	Nucleus
-13.19	ENSG00000166750	SLFN5	schlafen family member 5	Nucleus
-8.758	ENSG00000179542	SLITRK4	SLIT and NTRK like family member 4	Extracellular Space
-9.51	ENSG00000124107	SLPI	secretory leukocyte peptidase inhibitor	Cytoplasm
-8.07	ENSG00000149346	SLX4IP	SLX4 interacting protein	Other
-7.118	ENSG00000170545	SMAGP	small cell adhesion glycoprotein	Cytoplasm
-2.907	ENSG00000084070	SMAP2	small ArfGAP2	Cytoplasm
-5.667	ENSG00000082014	SMARCD3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	Nucleus
-5.993	ENSG00000225215	SMARCE1P1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 1	Other
-7.07	ENSG00000254634	SMG1P6	SMG1 pseudogene 6	Other
-7.341	ENSG00000184785	SMIM10	small integral membrane protein 10	Other
-8.652	ENSG00000224531	SMIM13	small integral membrane protein 13	Other
-10.515	ENSG00000224397	SMIM25	small integral membrane protein 25	Other
-7.401	ENSG00000232388	SMIM26	small integral membrane protein 26	Other
-7.062	ENSG00000235453	SMIM27	small integral membrane protein 27	Other
-7.771	ENSG00000186577	SMIM29	small integral membrane protein 29	Other
-7.958	ENSG00000111850	SMIM8	small integral membrane protein 8	Other
-6.351	ENSG00000172062	SMN1/SMN2	survival of motor neuron 1, telomeric	Nucleus
-5.392	ENSG00000103056	SMPD3	sphingomyelin phosphodiesterase 3	Cytoplasm
-8.147	ENSG00000185669	SNAI3	snail family transcriptional repressor 3	Nucleus
-7.025	ENSG00000260630	SNAI3-AS1	SNAI3 antisense RNA 1	Other
-6.183	ENSG00000247092	SNHG10	small nucleolar RNA host gene 10	Other
-6.06	ENSG00000267322	SNHG22	small nucleolar RNA host gene 22	Other
-5.696	ENSG00000200075	SNORA25	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.767	ENSG00000252050	SNORA31	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.758	ENSG00000207008	SNORA54	small nucleolar RNA, H/ACA box 54	Other
-5.989	ENSG00000212567	SNORA57	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.487	ENSG00000238317	SNORD11	small nucleolar RNA, C/D box 11	Other
-6.019	ENSG00000231587	SNORD62B	small nucleolar RNA, C/D box 62B	Other
-5.592	ENSG00000201592	snoU2_19	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-1.845	ENSG00000163788	SNRK	SNF related kinase	Cytoplasm
-6.086	ENSG00000234617	SNRK-AS1	SNRK antisense RNA 1	Other
-9.591	ENSG00000182004	SNRPE	small nuclear ribonucleoprotein polypeptide E	Nucleus
-4.772	ENSG00000233270	SNRPEP4	small nuclear ribonucleoprotein polypeptide E pseudogene 4	Other
-4.903	ENSG00000235363	SNRPGP10	small nuclear ribonucleoprotein polypeptide G pseudogene 10	Other
-6.574	ENSG00000169371	SNUPN	snurportin 1	Nucleus
-2.355	ENSG00000071189	SNX13	sorting nexin 13	Cytoplasm
-6.425	ENSG00000110025	SNX15	sorting nexin 15	Cytoplasm
-2.475	ENSG00000178996	SNX18	sorting nexin 18	Cytoplasm
-7.085	ENSG00000225345	SNX18P3	sorting nexin 18 pseudogene 3	Other
-11.577	ENSG00000167208	SNX20	sorting nexin 20	Cytoplasm
-7.145	ENSG00000271699	SNX29P2	sorting nexin 29 pseudogene 2	Other
-7.543	ENSG00000198106	SNX29P2	sorting nexin 29 pseudogene 2	Other
-6.87	ENSG00000172803	SNX32	sorting nexin 32	Other
-7.519	ENSG00000184985	SORCS2	sortilin related VPS10 domain containing receptor 2	Plasma Membrane
-4.367	ENSG00000137642	SORL1	sortilin related receptor 1	Cytoplasm
-8.17	ENSG00000187808	SOWAHD	so sondawah ankyrin repeat domain family member D	Other
-2.857	ENSG00000067066	SP100	SP100 nuclear antigen	Nucleus
-11.198	ENSG00000079263	SP140	SP140 nuclear body protein	Nucleus
-1.767	ENSG00000172845	SP3	Sp3 transcription factor	Nucleus
-5.004	ENSG00000105866	SP4	Sp4 transcription factor	Nucleus
-6.617	ENSG00000064199	SPA17	sperm autoantigenic protein 17	Plasma Membrane
-6.682	ENSG00000182310	SPACA6	sperm acrosome associated 6	Other
-6.333	ENSG00000165698	SPACA9	sperm acrosome associated 9	Cytoplasm
-5.172	ENSG00000137098	SPAG8	sperm associated antigen 8	Cytoplasm
-6.004	ENSG00000122432	SPATA1	spermatogenesis associated 1	Other
-8.169	ENSG00000158792	SPATA2L	spermatogenesis associated 2 like	Other
-8.877	ENSG00000171763	SPATA5L1	spermatogenesis associated 5 like 1	Other
-9.336	ENSG00000132122	SPATA6	spermatogenesis associated 6	Cytoplasm
-7.355	ENSG00000042317	SPATA7	spermatogenesis associated 7	Cytoplasm
-7.858	ENSG00000186583	SPATC1	spermatogenesis and centriole associated 1	Cytoplasm
-6.497	ENSG00000160284	SPATC1L	spermatogenesis and centriole associated 1 like	Other
-2.44	ENSG00000129128	SPCS3	signal peptidase complex subunit 3	Cytoplasm
-7.607	ENSG00000152582	SPEF2	sperm flagellar 2	Cytoplasm
-8.547	ENSG00000063176	SPHK2	sphingosine kinase 2	Cytoplasm
-14.101	ENSG00000066336	SP1	Spi-1 proto-oncogene	Nucleus
-6.447	ENSG00000269404	SP1B	Spi-B transcription factor	Nucleus
-5.488	ENSG00000186787	SPIN2A/SPIN2B	spindlin family member 2A	Other
-6.274	ENSG00000197471	SPN	sialophorin	Plasma Membrane
-6.216	ENSG00000169682	SPNS1	sphingolipid transporter 1 (putative)	Cytoplasm
-6.663	ENSG00000183018	SPNS2	sphingolipid transporter 2	Other
-6.127	ENSG00000182557	SPNS3	sphingolipid transporter 3 (putative)	Other
-13.155	ENSG00000107742	SPOCK2	SPARC (osteonectin), cwcv and kazal like domains proteoglycan 2	Extracellular Space
-1.968	ENSG00000144228	SPOPL	speckle type BTB/POZ protein like	Other
-10.184	ENSG00000005206	SPPL2B	signal peptide peptidase like 2B	Plasma Membrane
-7.705	ENSG00000168939	SPRY3	sprouty RTK signaling antagonist 3	Plasma Membrane
-7.768	ENSG00000111671	SPSB2	splA/ryanodine receptor domain and SOCS box containing 2	Cytoplasm
-9.743	ENSG00000137767	SQOR	sulfide quinone oxidoreductase	Cytoplasm
-6.985	ENSG00000196220	SRGAP3	SLIT-ROBO Rho GTPase activating protein 3	Cytoplasm
-6.492	ENSG00000248508	SRP14-AS1	SRP14 antisense RNA1 (head to head)	Other
-8.296	ENSG00000153037	SRP19	signal recognition particle 19	Cytoplasm
-6.314	ENSG00000226763	SRRM5	serine/arginine repetitive matrix 5	Other
-2.562	ENSG00000141298	SSH2	slingshot protein phosphatase 2	Cytoplasm
-4.887	ENSG00000260233	SSSCA1-AS1	SSSCA1 antisense RNA 1 (head to head)	Other
-5.807	ENSG00000180953	ST20	suppressor of tumorigenicity 20	Other
-7.048	ENSG00000157350	ST3GAL2	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	Cytoplasm
-7.848	ENSG00000070731	ST6GALNAC2	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	Cytoplasm
-8.818	ENSG00000184005	ST6GALNAC3	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	Cytoplasm

-6.766	ENSG00000111728	ST8SIA1	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1	Cytoplasm
-7.087	ENSG00000035720	STAP1	signal transducing adaptor family member 1	Cytoplasm
-7.83	ENSG00000172345	STAR5	STAR related lipid transfer domain containing 5	Cytoplasm
-9.702	ENSG00000159433	STAR9	STAR related lipid transfer domain containing 9	Cytoplasm
-2.218	ENSG00000170581	STAT2	signal transducer and activator of transcription 2	Nucleus
-11.296	ENSG00000138378	STAT4	signal transducer and activator of transcription 4	Nucleus
-2.235	ENSG00000166888	STAT6	signal transducer and activator of transcription 6	Nucleus
-6.203	ENSG00000213533	STIMATE	STIM activating enhancer	Cytoplasm
-5.506	ENSG00000072786	STK10	serine/threonine kinase 10	Cytoplasm
-7.203	ENSG00000152953	STK32B	serine/threonine kinase 32B	Other
-6.215	ENSG00000130413	STK33	serine/threonine kinase 33	Cytoplasm
-5.986	ENSG00000067221	STOML1	stomatin like 1	Other
-7.748	ENSG00000173320	STOX2	storkhead box 2	Other
-9.17	ENSG00000266173	STRADA	STE20 related adaptor alpha	Nucleus
-6.402	ENSG00000166763	STRCP1	stereocilin pseudogene 1	Other
-3.578	ENSG00000104915	STX10	syntaxin 10	Cytoplasm
-8.042	ENSG00000254995	STX16-NPEPL1	STX16-NPEPL1 readthrough (NMD candidate)	Other
-6.654	ENSG00000247708	STX18-AS1	STX18 antisense RNA 1 (head to head)	Other
-3.659	ENSG00000076944	STXB2	syntaxin binding protein 2	Plasma Membrane
-7.733	ENSG00000166263	STXB4	syntaxin binding protein 4	Cytoplasm
-4.726	ENSG00000163541	SUCLG1	succinate-CoA ligase alpha subunit	Cytoplasm
-6.012	ENSG00000239827	SUGT1P3	SUGT1 pseudogene 3	Other
-6.105	ENSG00000254876	SUGT1P4-STRA6LP	SUGT1P4-STRA6LP readthrough	Other
-10.237	ENSG00000196502	SULT1A1	sulfotransferase family 1A member 1	Cytoplasm
-5.039	ENSG00000197165	SULT1A2	sulfotransferase family 1A member 2	Cytoplasm
-11.034	ENSG00000173597	SULT1B1	sulfotransferase family 1B member 1	Cytoplasm
-2.762	ENSG00000100242	SUN2	Sad1 and UNC84 domain containing 2	Nucleus
-8.93	ENSG00000139531	SUOX	sulfite oxidase	Cytoplasm
-5.19	ENSG00000256238	SUPT16HP1	SPT16 homolog, facilitates chromatin remodeling subunit pseudogene 1	Other
-11.3	ENSG00000102710	SUPT20H	SPT20 homolog, SAGA complex component	Nucleus
-6.112	ENSG00000099994	SUSD2	sushi domain containing 2	Extracellular Space
-6.287	ENSG00000143502	SUSD4	sushi domain containing 4	Other
-7.244	ENSG00000173928	SWAP1	SWIM-type zinc finger 7 associated protein 1	Other
-2.264	ENSG00000125755	SYMPK	symplekin	Cytoplasm
-6.558	ENSG00000131018	SYNE1	spectrin repeat containing nuclear envelope protein 1	Nucleus
-9.911	ENSG00000204070	SYS1	SYS1 golgi trafficking protein	Cytoplasm
-10.241	ENSG00000132718	SYT11	synaptotagmin 11	Cytoplasm
-6.28	ENSG00000142765	SYTL1	synaptotagmin like 1	Cytoplasm
-11.062	ENSG00000164674	SYTL3	synaptotagmin like 3	Cytoplasm
-9.806	ENSG00000100324	TAB1	TGF-beta activated kinase 1 (MAP3K7) binding protein 1	Cytoplasm
-8.212	ENSG00000152382	TADA1	transcriptional adaptor 1	Nucleus
-3.101	ENSG00000103168	TAF1C	TATA-box binding protein associated factor, RNA polymerase I subunit C	Nucleus
-8.671	ENSG00000148835	TAF5	TATA-box binding protein associated factor 5	Nucleus
-8.371	ENSG00000198673	TAF2	TAF4 chemokine like family member 2	Cytoplasm
-12.434	ENSG00000164691	TAGAP	T cell activation RhoGTPase activating protein	Cytoplasm
-8.753	ENSG00000144559	TAMM41	TAM41 mitochondrial translocator assembly and maintenance homolog	Cytoplasm
-10.663	ENSG00000103047	TANG6	transport and golgi organization 6 homolog	Other
-2.198	ENSG00000168394	TAP1	transporter 1, ATP binding cassette subfamily B member	Cytoplasm
-8.25	ENSG00000263327	TAPT1-AS1	TAPT1 antisense RNA 1 (head to head)	Other
-7.279	ENSG00000248385	TARM1	T cell-interacting, activating receptor on myeloid cells 1	Plasma Membrane
-5.83	ENSG00000256682	TAS2R12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.395	ENSG00000212128	TAS2R13	taste 2 receptor member 13	Plasma Membrane
-6.219	ENSG00000212127	TAS2R14	taste 2 receptor member 14	Plasma Membrane
-6.854	ENSG00000256981	TAS2R18	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.25	ENSG00000255837	TAS2R20	taste 2 receptor member 20	Plasma Membrane
-7.492	ENSG00000256188	TAS2R30	taste 2 receptor member 30	Plasma Membrane
-6.572	ENSG00000256436	TAS2R31	taste 2 receptor member 31	Plasma Membrane
-8.533	ENSG00000089123	TASP1	taspase 1	Nucleus
-8.487	ENSG00000203705	TATDN3	TatD DNase domain containing 3	Cytoplasm
-4.972	ENSG00000102125	TAZ	tafazzin	Nucleus
-9.47	ENSG00000099992	TBC1D10A	TBC1 domain family member 10A	Plasma Membrane
-11.669	ENSG00000175463	TBC1D10C	TBC1 domain family member 10C	Nucleus
-11.08	ENSG00000095383	TBC1D2	TBC1 domain family member 2	Cytoplasm
-7.556	ENSG00000162065	TBC1D24	TBC1 domain family member 24	Cytoplasm
-11.953	ENSG00000167202	TBC1D2B	TBC1 domain family member 2B	Cytoplasm
-7.526	ENSG00000145979	TBC1D7	TBC1 domain family member 7	Cytoplasm
-7.055	ENSG00000133138	TBC1D8B	TBC1 domain family member 8B	Other
-3.843	ENSG00000124659	TBCC	tubulin folding cofactor C	Cytoplasm
-6.972	ENSG00000143178	TBX19	T-box 19	Nucleus
-11.224	ENSG00000073861	TBX21	T-box 21	Nucleus
-8	ENSG00000170379	TCAF2	TRPM8 channel associated factor 2	Plasma Membrane
-6.161	ENSG00000173991	TCAP	titin-cap	Cytoplasm
-8.848	ENSG00000137310	TCF19	transcription factor 19	Nucleus
-8.154	ENSG00000236567	TCF3P1	transcription factor 3 pseudogene 1	Other
-12.256	ENSG00000081059	TCF7	transcription factor 7	Nucleus
-7.911	ENSG00000100721	TCL1A	T cell leukemia/lymphoma 1A	Nucleus
-11.794	ENSG00000134827	TCN1	transcobalamin 1	Cytoplasm
-9.559	ENSG00000185339	TCN2	transcobalamin 2	Extracellular Space
-6.077	ENSG00000152760	TCTEX1D1	Tctex1 domain containing 1	Other
-7.243	ENSG00000204852	TCN1N	tectonic family member 1	Extracellular Space
-9.643	ENSG00000156414	TDRD9	tudor domain containing 9	Cytoplasm
-8.274	ENSG00000182134	TDRKH	tudor and KH domain containing	Cytoplasm
-6.241	ENSG00000109927	TECTA	tectorin alpha	Extracellular Space
-7.795	ENSG00000172171	TEFM	transcription elongation factor, mitochondrial	Cytoplasm
-3.44	ENSG00000129566	TEP1	telomerase associated protein 1	Nucleus
-10.621	ENSG00000167302	TEPSIN	TEPSIN adaptor related protein complex 4 accessory protein	Nucleus
-9.573	ENSG00000107140	TESK1	testis associated actin remodelling kinase 1	Nucleus
-6.524	ENSG00000151287	TEX30	testis expressed 30	Other
-5.861	ENSG00000198723	TEX45	testis expressed 45	Other
-7.462	ENSG00000151575	TEX9	testis expressed 9	Other
-5.863	ENSG00000116819	TFAP2E	transcription factor AP-2 epsilon	Nucleus

-7.886	ENSG00000029639	TFB1M	transcription factor B1, mitochondrial	Cytoplasm
-5.48	ENSG00000112561	TFEB	transcription factor EB	Nucleus
-11.248	ENSG00000105967	TFEC	transcription factor EC	Nucleus
-6.014	ENSG00000042832	TG	thyroglobulin	Extracellular Space
-7.826	ENSG00000088451	TGDS	TDP-glucose 4,6-dehydratase	Extracellular Space
-7.086	ENSG00000163235	TGFA	transforming growth factor alpha	Extracellular Space
-5.766	ENSG00000119699	TGFB3	transforming growth factor beta 3	Extracellular Space
-5.344	ENSG00000120708	TGFB1	transforming growth factor beta induced	Extracellular Space
-11.676	ENSG00000069702	TGFBR3	transforming growth factor beta receptor 3	Plasma Membrane
-9.473	ENSG00000118707	TGIF2	TGFB induced factor homeobox 2	Nucleus
-6.14	ENSG00000092295	TGM1	transglutaminase 1	Plasma Membrane
-4.458	ENSG00000198959	TGM2	transglutaminase 2	Cytoplasm
-6.343	ENSG00000173451	THAP2	THAP domain containing 2	Nucleus
-5.713	ENSG00000230513	THAP7-AS1	THAP7 antisense RNA 1	Other
-5.709	ENSG00000161277	THAP8	THAP domain containing 8	Other
-8.184	ENSG00000178726	THBD	thrombomodulin	Plasma Membrane
-7.002	ENSG00000113296	THBS4	thrombospondin 4	Extracellular Space
-8.593	ENSG00000159445	THEM4	thioesterase superfamily member 4	Plasma Membrane
-7.577	ENSG00000196407	THEM5	thioesterase superfamily member 5	Cytoplasm
-7.347	ENSG00000130193	THEM6	thioesterase superfamily member 6	Other
-10.59	ENSG00000172673	THEMIS	thymocyte selection associated	Cytoplasm
-7.56	ENSG00000130775	THEMIS2	thymocyte selection associated family member 2	Other
-7.819	ENSG00000051596	THOC3	THO complex 3	Nucleus
-7.709	ENSG00000221995	TIAF1	TGFB1-induced anti-apoptotic factor 1	Cytoplasm
-11.518	ENSG00000156299	TIAM1	T cell lymphoma invasion and metastasis 1	Cytoplasm
-5.954	ENSG00000243414	TICAM2	toll like receptor adaptor molecule 2	Plasma Membrane
-9.156	ENSG00000145365	TIFA	TRAF interacting protein with forkhead associated domain	Cytoplasm
-7.228	ENSG00000180346	TIGD2	tigger transposable element derived 2	Other
-6.359	ENSG00000173825	TIGD3	tigger transposable element derived 3	Other
-6.836	ENSG00000179886	TIGD5	tigger transposable element derived 5	Other
-9.648	ENSG00000181847	TIGIT	T cell immunoreceptor with Ig and ITIM domains	Plasma Membrane
-5.093	ENSG00000145850	TIMD4	T cell immunoglobulin and mucin domain containing 4	Plasma Membrane
-7.411	ENSG00000134809	TIMM10	translocase of inner mitochondrial membrane 10	Cytoplasm
-7.215	ENSG00000126953	TIMM8A	translocase of inner mitochondrial membrane 8A	Cytoplasm
-7.815	ENSG00000100575	TIMM9	translocase of inner mitochondrial membrane 9	Cytoplasm
-7.13	ENSG00000243926	TIPARP-AS1	TIPARP antisense RNA 1	Other
-8.804	ENSG00000150455	TIRAP	TIR domain containing adaptor protein	Cytoplasm
-2.896	ENSG00000163931	TKT	transketolase	Cytoplasm
-7.512	ENSG00000007350	TKTL1	transketolase like 1	Other
-11.436	ENSG00000174125	TLR1	toll like receptor 1	Plasma Membrane
-7.409	ENSG00000174123	TLR10	toll like receptor 10	Plasma Membrane
-12.247	ENSG00000137462	TLR2	toll like receptor 2	Plasma Membrane
-12.428	ENSG00000136869	TLR4	toll like receptor 4	Plasma Membrane
-9.555	ENSG00000187554	TLR5	toll like receptor 5	Plasma Membrane
-9.985	ENSG00000174130	TLR6	toll like receptor 6	Plasma Membrane
-10.198	ENSG00000196664	TLR7	toll like receptor 7	Plasma Membrane
-12.73	ENSG00000101916	TLR8	toll like receptor 8	Plasma Membrane
-5.753	ENSG00000100926	TM9SF1	transmembrane 9 superfamily member 1	Plasma Membrane
-1.896	ENSG00000101337	TM9SF4	transmembrane 9 superfamily member 4	Cytoplasm
-5.481	ENSG00000259343	TMC3-AS1	TMC3 antisense RNA 1	Other
-6.418	ENSG00000167895	TMC8	transmembrane channel like 8	Cytoplasm
-8.678	ENSG00000113119	TMCO6	transmembrane and coiled-coil domains 6	Other
-10.093	ENSG00000184988	TMEM106A	transmembrane protein 106A	Cytoplasm
-10.447	ENSG00000110108	TMEM109	transmembrane protein 109	Cytoplasm
-8.015	ENSG00000198270	TMEM116	transmembrane protein 116	Other
-5.984	ENSG00000139173	TMEM117	transmembrane protein 117	Cytoplasm
-5.912	ENSG00000183160	TMEM119	transmembrane protein 119	Cytoplasm
-9.505	ENSG00000183307	TMEM121B	transmembrane protein 121B	Nucleus
-7.153	ENSG00000171202	TMEM126A	transmembrane protein 126A	Cytoplasm
-8.576	ENSG00000171204	TMEM126B	transmembrane protein 126B	Cytoplasm
-2.396	ENSG00000075568	TMEM131	transmembrane protein 131	Extracellular Space
-5.802	ENSG00000244187	TMEM141	transmembrane protein 141	Other
-7.674	ENSG00000161558	TMEM143	transmembrane protein 143	Cytoplasm
-8.727	ENSG00000180061	TMEM150B	transmembrane protein 150B	Plasma Membrane
-12.6	ENSG00000170006	TMEM154	transmembrane protein 154	Other
-8.251	ENSG00000121895	TMEM156	transmembrane protein 156	Other
-7.644	ENSG00000130748	TMEM160	transmembrane protein 160	Cytoplasm
-9.83	ENSG00000166822	TMEM170A	transmembrane protein 170A	Other
-5.658	ENSG00000184584	TMEM173	transmembrane protein 173	Cytoplasm
-9.41	ENSG00000185475	TMEM179B	transmembrane protein 179B	Nucleus
-7.491	ENSG00000184857	TMEM186	transmembrane protein 186	Cytoplasm
-5.814	ENSG00000226287	TMEM191A	transmembrane protein 191A (pseudogene)	Other
-9.003	ENSG00000182796	TMEM198B	transmembrane protein 198B (pseudogene)	Other
-5.864	ENSG00000164484	TMEM200A	transmembrane protein 200A	Other
-5.636	ENSG00000261423	TMEM202-AS1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.132	ENSG00000131634	TMEM204	transmembrane protein 204	Plasma Membrane
-7.856	ENSG00000187049	TMEM216	transmembrane protein 216	Extracellular Space
-8.507	ENSG00000150433	TMEM218	transmembrane protein 218	Extracellular Space
-7.225	ENSG00000187824	TMEM220	transmembrane protein 220	Other
-7.227	ENSG00000168569	TMEM223	transmembrane protein 223	Other
-7.65	ENSG00000134490	TMEM241	transmembrane protein 241	Other
-9.074	ENSG00000215712	TMEM242	transmembrane protein 242	Other
-9.018	ENSG00000135185	TMEM243	transmembrane protein 243	Other
-5.692	ENSG00000149582	TMEM25	transmembrane protein 25	Extracellular Space
-8.379	ENSG00000134825	TMEM258	transmembrane protein 258	Other
-2.894	ENSG00000070269	TMEM260	transmembrane protein 260	Other
-8.097	ENSG00000151881	TMEM267	transmembrane protein 267	Other
-8.7	ENSG00000204161	TMEM273	transmembrane protein 273	Other
-8.705	ENSG00000121775	TMEM39B	transmembrane protein 39B	Cytoplasm
-6.326	ENSG00000181458	TMEM45A	transmembrane protein 45A	Plasma Membrane
-5.845	ENSG00000165685	TMEM52B	transmembrane protein 52B	Cytoplasm

-8.362	ENSG00000165548	TMEM63C	transmembrane protein 63C	Other
-11.089	ENSG00000165071	TMEM71	transmembrane protein 71	Cytoplasm
-6.502	ENSG00000174529	TMEM81	transmembrane protein 81	Other
-6.985	ENSG00000151117	TMEM86A	transmembrane protein 86A	Other
-6.484	ENSG00000167874	TMEM88	transmembrane protein 88	Plasma Membrane
-5.807	ENSG00000167105	TMEM92	transmembrane protein 92	Nucleus
-5.029	ENSG00000175348	TMEM9B	TMEM9 domain family member B	Other
-5.307	ENSG00000254860	TMEM9B-AS1	TMEM9B antisense RNA 1	Other
-6.991	ENSG00000167664	TMIGD2	transmembrane and immunoglobulin domain containing 2	Other
-6.357	ENSG00000121933	TMIGD3	transmembrane and immunoglobulin domain containing 3	Plasma Membrane
-7.351	ENSG00000257167	TMPO-AS1	TMPO antisense RNA 1	Other
-8.675	ENSG00000133687	TMTC1	transmembrane and tetratricopeptide repeat containing 1	Cytoplasm
-6.31	ENSG00000123610	TNFAIP6	TNF alpha induced protein 6	Extracellular Space
-9.454	ENSG00000163154	TNFAIP8L2	TNF alpha induced protein 8 like 2	Cytoplasm
-5.733	ENSG00000104689	TNFRSF10A	TNF receptor superfamily member 10a	Plasma Membrane
-10.375	ENSG00000173535	TNFRSF10C	TNF receptor superfamily member 10c	Plasma Membrane
-8.627	ENSG00000173530	TNFRSF10D	TNF receptor superfamily member 10d	Plasma Membrane
-6.102	ENSG00000141655	TNFRSF11A	TNF receptor superfamily member 11a	Plasma Membrane
-6.304	ENSG00000240505	TNFRSF13B	TNF receptor superfamily member 13B	Plasma Membrane
-6.257	ENSG00000159958	TNFRSF13C	TNF receptor superfamily member 13C	Plasma Membrane
-6.043	ENSG00000186891	TNFRSF18	TNF receptor superfamily member 18	Plasma Membrane
-11.314	ENSG00000028137	TNFRSF1B	TNF receptor superfamily member 1B	Plasma Membrane
-9.506	ENSG00000215788	TNFRSF25	TNF receptor superfamily member 25	Plasma Membrane
-7.614	ENSG00000186827	TNFRSF4	TNF receptor superfamily member 4	Plasma Membrane
-8.736	ENSG00000120949	TNFRSF8	TNF receptor superfamily member 8	Plasma Membrane
-5.898	ENSG00000049249	TNFRSF9	TNF receptor superfamily member 9	Plasma Membrane
-9.298	ENSG00000239697	TNFSF12	TNF superfamily member 12	Extracellular Space
-8.455	ENSG00000161955	TNFSF13	TNF superfamily member 13	Extracellular Space
-9.025	ENSG00000125735	TNFSF14	TNF superfamily member 14	Extracellular Space
-10.212	ENSG00000106952	TNFSF8	TNF superfamily member 8	Plasma Membrane
-5.445	ENSG00000050730	TNIP3	TNFAIP3 interacting protein 3	Cytoplasm
-8.525	ENSG00000130598	TNNI2	troponin I2, fast skeletal type	Cytoplasm
-8.311	ENSG00000105048	TNNT1	troponin T1, slow skeletal type	Cytoplasm
-6.996	ENSG00000130595	TNNT3	troponin T3, fast skeletal type	Cytoplasm
-7.53	ENSG00000225423	TNPO1P1	transportin 1 pseudogene 1	Other
-1.192	ENSG00000100354	TNRC6B	trinucleotide repeat containing adaptor 6B	Cytoplasm
-8.586	ENSG00000189350	TOGARAM2	TOG array regulator of axonemal microtubules 2	Other
-6.023	ENSG00000255153	TOLLIP-AS1	TOLLIP antisense RNA 1 (head to head)	Other
-7.608	ENSG00000255987	TOMM20P2	TOMM20 pseudogene 2	Other
-7.491	ENSG00000175768	TOMM5	translocase of outer mitochondrial membrane 5	Cytoplasm
-9.444	ENSG00000198846	TOX	thymocyte selection associated high mobility group box	Nucleus
-5.848	ENSG00000248697	TOX4P1	TOX high mobility group box family member 4 pseudogene 1	Other
-8.529	ENSG00000115129	TP53I3	tumor protein p53 inducible protein 3	Cytoplasm
-4.1	ENSG00000078900	TP73	tumor protein p73	Nucleus
-5.823	ENSG00000162341	TPCN2	two pore segment channel 2	Cytoplasm
-9.181	ENSG00000141933	TPGS1	tubulin polyglutamylase complex subunit 1	Cytoplasm
-7.632	ENSG00000137364	TPMT	thiopurine S-methyltransferase	Cytoplasm
-6.721	ENSG00000234076	TPRG1-AS1	TPRG1 antisense RNA 1	Other
-1.683	ENSG00000133112	TPT1	tumor protein, translationally-controlled 1	Cytoplasm
-9.308	ENSG00000170919	TPT1-AS1	TPT1 antisense RNA 1	Other
-6.028	ENSG00000180221	TPT1P10	tumor protein, translationally-controlled 1 pseudogene 10	Other
-8.772	ENSG00000244627	TPTEP2	TPTE pseudogene 2	Other
-4.593	ENSG00000170638	TRABD	TraB domain containing	Extracellular Space
-9.099	ENSG00000186854	TRABD2A	TraB domain containing 2A	Plasma Membrane
-8.963	ENSG00000102871	TRADD	TNFRSF1A associated via death domain	Cytoplasm
-3.275	ENSG00000131323	TRAF3	TNF receptor associated factor 3	Cytoplasm
-7.749	ENSG00000231889	TRAF3IP2-AS1	TRAF3IP2 antisense RNA 1	Other
-12.923	ENSG00000009790	TRAF3IP3	TRAF3 interacting protein 3	Other
-5.738	ENSG00000183763	TRAIIP	TRAF interacting protein	Cytoplasm
-5.977	ENSG00000211879	TRAJ10	T cell receptor alpha joining 10	Other
-7.085	ENSG00000211870	TRAJ19	T cell receptor alpha joining 19 (non-functional)	Other
-5.628	ENSG00000211867	TRAJ22	T cell receptor alpha joining 22	Other
-5.948	ENSG00000211866	TRAJ23	T cell receptor alpha joining 23	Other
-5.88	ENSG00000211885	TRAJ4	T cell receptor alpha joining 4	Other
-6.42	ENSG00000211883	TRAJ6	T cell receptor alpha joining 6	Other
-5.338	ENSG00000211881	TRAJ8	T cell receptor alpha joining 8	Other
-7.911	ENSG00000253251	TRAPPC13	trafficking protein particle complex 13	Cytoplasm
-8.328	ENSG00000196655	TRAPPC4	trafficking protein particle complex 4	Cytoplasm
-7.994	ENSG00000007255	TRAPPC6A	trafficking protein particle complex 6A	Cytoplasm
-9.826	ENSG00000163519	TRAT1	T cell receptor associated transmembrane adaptor 1	Plasma Membrane
-5.116	ENSG00000211785	TRAV12-1	T cell receptor alpha variable 12-1	Other
-6.096	ENSG00000211789	TRAV12-2	T cell receptor alpha variable 12-2	Other
-7.682	ENSG00000211794	TRAV12-3	T cell receptor alpha variable 12-3	Other
-7.634	ENSG00000211788	TRAV13-1	T cell receptor alpha variable 13-1	Other
-5.673	ENSG00000211791	TRAV13-2	T cell receptor alpha variable 13-2	Other
-5.668	ENSG00000211799	TRAV19	T cell receptor alpha variable 19	Plasma Membrane
-6.179	ENSG00000211810	TRAV29DV5	T cell receptor alpha variable 29/delta variable 5 (gene/pseudogene)	Plasma Membrane
-5.686	ENSG00000211778	TRAV4	T cell receptor alpha variable 4	Other
-11.714	ENSG00000211772	TRBC2	T cell receptor beta constant 2	Other
-7.136	ENSG00000241657	TRBV11-2	T cell receptor beta variable 11-2	Other
-5.776	ENSG00000211747	TRBV20-1	T cell receptor beta variable 20-1	Other
-5.657	ENSG00000211752	TRBV27	T cell receptor beta variable 27	Other
-6.951	ENSG00000232869	TRBV29-1	T cell receptor beta variable 29-1	Other
-6.635	ENSG00000211734	TRBV5-1	T cell receptor beta variable 5-1	Other
-6.31	ENSG00000230099	TRBV5-4	T cell receptor beta variable 5-4	Other
-6.11	ENSG00000211714	TRBV7-3	T cell receptor beta variable 7-3	Other
-9.117	ENSG00000211829	TRDC	T cell receptor delta constant	Other
-11.085	ENSG00000124731	TREM1	triggering receptor expressed on myeloid cells 1	Plasma Membrane
-6.949	ENSG00000184106	TREML3P	triggering receptor expressed on myeloid cells like 3, pseudogene	Other
-5.213	ENSG00000183479	TREX2	three prime repair exonuclease 2	Nucleus
-5.937	ENSG00000211688	TRGJP2	T cell receptor gamma joining P2	Other

-7.459	ENSG00000249978	TRGV7	T cell receptor gamma variable 7 (pseudogene)	Other
-7.223	ENSG00000211696	TRGV8	T cell receptor gamma variable 8	Other
-8.672	ENSG00000170855	TRIAP1	TP53 regulated inhibitor of apoptosis 1	Cytoplasm
-7.346	ENSG00000221926	TRIM16	tripartite motif containing 16	Cytoplasm
-5.808	ENSG00000132274	TRIM22	tripartite motif containing 22	Cytoplasm
-4.303	ENSG00000112343	TRIM38	tripartite motif containing 38	Cytoplasm
-5.395	ENSG00000163462	TRIM46	tripartite motif containing 46	Cytoplasm
-8.216	ENSG00000248275	TRIM52-AS1	TRIM52 antisense RNA 1 (head to head)	Other
-5.803	ENSG00000227986	TRIM60P18	tripartite motif containing 60 pseudogene 18	Other
-7.766	ENSG00000146054	TRIM7	tripartite motif containing 7	Cytoplasm
-8.326	ENSG00000174353	TRIM73/TRIM74	tripartite motif containing 74	Cytoplasm
-6.777	ENSG00000100505	TRIM9	tripartite motif containing 9	Cytoplasm
-9.609	ENSG00000104907	TRMT1	tRNA methyltransferase 1	Extracellular Space
-9.065	ENSG00000165275	TRMT10B	tRNA methyltransferase 10B	Cytoplasm
-5.046	ENSG00000099899	TRMT2A	tRNA methyltransferase 2 homolog A	Other
-5.576	ENSG00000253368	TRNP1	TMF1-regulated nuclear protein 1	Nucleus
-5.918	ENSG00000135451	TROAP	trophinin associated protein	Cytoplasm
-1.469	ENSG00000100991	TRPC4AP	transient receptor potential cation channel subfamily C member 4 associated protein	Cytoplasm
-8.534	ENSG00000119121	TRPM6	transient receptor potential cation channel subfamily M member 6	Plasma Membrane
-10.379	ENSG00000187688	TRPV2	transient receptor potential cation channel subfamily V member 2	Plasma Membrane
-5.794	ENSG00000111199	TRPV4	transient receptor potential cation channel subfamily V member 4	Plasma Membrane
-7.446	ENSG00000123297	TSMF	Ts translation elongation factor, mitochondrial	Cytoplasm
-7.999	ENSG00000135951	TSGA10	testis specific 10	Cytoplasm
-4.956	ENSG00000134198	TSPAN2	tetraspanin 2	Extracellular Space
-8.318	ENSG00000135452	TSPAN31	tetraspanin 31	Plasma Membrane
-4.262	ENSG00000214063	TSPAN4	tetraspanin 4	Plasma Membrane
-5.83	ENSG00000100300	TSP0	translocator protein	Cytoplasm
-7.432	ENSG00000235217	TSPY26P	testis specific protein Y-linked 26, pseudogene	Other
-6.624	ENSG00000180543	TSPYL5	TSPY like 5	Other
-6.142	ENSG00000178093	TSSK6	testis specific serine kinase 6	Nucleus
-6.43	ENSG00000228506	TSTD3	thiosulfate sulfurtransferase like domain containing 3	Other
-8.67	ENSG00000167094	TTC16	tetratricopeptide repeat domain 16	Other
-7.837	ENSG00000006555	TTC22	tetratricopeptide repeat domain 22	Other
-5.776	ENSG00000187862	TTC24	tetratricopeptide repeat domain 24	Other
-8.623	ENSG00000204815	TTC25	tetratricopeptide repeat domain 25	Cytoplasm
-6.61	ENSG00000197557	TTC30A	tetratricopeptide repeat domain 30A	Extracellular Space
-6.322	ENSG00000196659	TTC30B	tetratricopeptide repeat domain 30B	Extracellular Space
-7.081	ENSG00000215912	TTC34	tetratricopeptide repeat domain 34	Other
-5.741	ENSG00000075234	TTC38	tetratricopeptide repeat domain 38	Cytoplasm
-4.771	ENSG00000243725	TTC4	tetratricopeptide repeat domain 4	Other
-1.947	ENSG00000068724	TTC7A	tetratricopeptide repeat domain 7A	Plasma Membrane
-6.997	ENSG00000165533	TTC8	tetratricopeptide repeat domain 8	Cytoplasm
-8.463	ENSG00000162222	TTC9C	tetratricopeptide repeat domain 9C	Other
-9.972	ENSG00000119685	TTL5	tubulin tyrosine ligase like 5	Cytoplasm
-11.865	ENSG00000155657	TTN	titin	Cytoplasm
-10.168	ENSG00000141540	TTYH2	tweety family member 2	Other
-6.044	ENSG00000224802	TUBB4BP2	tubulin beta 4B class IVb pseudogene 2	Other
-7.727	ENSG00000108423	TUBD1	tubulin delta 1	Cytoplasm
-8.067	ENSG00000074935	TUBE1	tubulin epsilon 1	Cytoplasm
-1.749	ENSG00000128159	TUBGCP6	tubulin gamma complex associated protein 6	Cytoplasm
-6.647	ENSG00000149016	TUT1	terminal uridylyl transferase 1, U6 snRNA-specific	Nucleus
-7.855	ENSG00000247596	TWF2	twinfilin actin binding protein 2	Cytoplasm
-7.284	ENSG00000107815	TWNK	twinkle mtDNA helicase	Cytoplasm
-6.588	ENSG00000164440	TXLNB	taxilin beta	Cytoplasm
-9.858	ENSG00000184470	TXNRD2	thioredoxin reductase 2	Cytoplasm
-13.791	ENSG00000011600	TYROBP	TYRO protein tyrosine kinase binding protein	Plasma Membrane
-6.931	ENSG00000161265	U2AF1L4	U2 small nuclear RNA auxiliary factor 1 like 4	Nucleus
-5.706	ENSG00000212195	U3	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.034	ENSG00000271817	U3	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.791	ENSG00000272462	UB1328.1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.21	ENSG00000160185	UBASH3A	ubiquitin associated and SH3 domain containing A	Cytoplasm
-5.753	ENSG00000230037	UBBP1	ubiquitin B pseudogene 1	Other
-3.98	ENSG00000119048	UBE2B	ubiquitin conjugating enzyme E2 B	Cytoplasm
-2.448	ENSG00000140367	UBE2Q2	ubiquitin conjugating enzyme E2 Q2	Cytoplasm
-8.427	ENSG00000244687	UBE2V1	ubiquitin conjugating enzyme E2 V1	Nucleus
-9.049	ENSG00000120942	UBIAD1	UbiA prenyltransferase domain containing 1	Nucleus
-4.824	ENSG00000138629	UBL7	ubiquitin like 7	Other
-6.904	ENSG00000247240	UBL7-AS1	UBL7 antisense RNA 1 (head to head)	Other
-7.545	ENSG00000246263	UBR5-AS1	UBR5 antisense RNA 1	Other
-7.414	ENSG00000162543	UBXN10	UBX domain protein 10	Extracellular Space
-6.178	ENSG00000104691	UBXN8	UBX domain protein 8	Cytoplasm
-5.447	ENSG00000118939	UCHL3	ubiquitin C-terminal hydrolase L3	Cytoplasm
-7.378	ENSG00000175564	UCP3	uncoupling protein 3	Cytoplasm
-4.483	ENSG00000176125	UFSP1	UFM1 specific peptidase 1 (inactive)	Cytoplasm
-6.728	ENSG00000124602	UNC5CL	unc-5 family C-terminal like	Cytoplasm
-6.541	ENSG00000110057	UNC93B1	unc-93 homolog B1, TLR signaling regulator	Cytoplasm
-6.188	ENSG00000100024	UPB1	beta-ureidopropionase 1	Cytoplasm
-6.065	ENSG00000100373	UPK3A	uropod protein 3A	Cytoplasm
-11.501	ENSG00000183696	UPP1	uridine phosphorylase 1	Cytoplasm
-7.574	ENSG00000204922	UQC3	ubiquinol-cytochrome c reductase complex assembly factor 3	Extracellular Space
-2.45	ENSG00000140455	USP3	ubiquitin specific peptidase 3	Cytoplasm
-8.825	ENSG00000135093	USP30	ubiquitin specific peptidase 30	Cytoplasm
-6.853	ENSG00000256262	USP30-AS1	USP30 antisense RNA 1	Other
-5.12	ENSG00000189423	USP32P3	ubiquitin specific peptidase 32 pseudogene 3	Other
-8.14	ENSG00000111962	UST	uronyl 2-sulfotransferase	Cytoplasm
-9.567	ENSG00000164338	UTP15	UTP15 small subunit processome component	Nucleus
-10.622	ENSG00000126756	UXT	ubiquitously expressed prefoldin like chaperone	Cytoplasm
-7.759	ENSG00000139190	VAMP1	vesicle associated membrane protein 1	Cytoplasm
-8.864	ENSG00000168899	VAMP5	vesicle associated membrane protein 5	Plasma Membrane
-16.73	ENSG00000038427	VCAN	versican	Extracellular Space
-8.953	ENSG00000100483	VCPKMT	valosin containing protein lysine methyltransferase	Cytoplasm

-6.681	ENSG00000229036	VDAC1P8	voltage dependent anion channel 1 pseudogene 8	Other
-9.34	ENSG00000151650	VENTX	VENT homeobox	Nucleus
-9.474	ENSG00000136059	VILL	villin like	Cytoplasm
-6.076	ENSG00000106018	VIPR2	vasoactive intestinal peptide receptor 2	Plasma Membrane
-12.193	ENSG00000112303	VNN2	vanin 2	Other
-9.725	ENSG00000093134	VNN3	vanin 3	Extracellular Space
-2.616	ENSG00000132549	VPS13B	vacuolar protein sorting 13 homolog B	Nucleus
-1.551	ENSG00000129003	VPS13C	vacuolar protein sorting 13 homolog C	Cytoplasm
-9.008	ENSG00000139719	VPS33A	VPS33A core subunit of CORVET and HOPS complexes	Cytoplasm
-10.95	ENSG00000103544	VPS35L	VPS35 endosomal protein sorting factor like	Cytoplasm
-4.298	ENSG00000136100	VPS36	vacuolar protein sorting 36 homolog	Cytoplasm
-1.403	ENSG00000166887	VPS39	VPS39 subunit of HOPS complex	Cytoplasm
-3.334	ENSG00000149823	VPS51	VPS51 subunit of GARP complex	Cytoplasm
-8.599	ENSG00000155659	VSIG4	V-set and immunoglobulin domain containing 4	Plasma Membrane
-3.634	ENSG00000107738	VSIR	V-set immunoregulatory receptor	Plasma Membrane
-9.593	ENSG00000189068	VSTM1	V-set and transmembrane domain containing 1	Other
-7.283	ENSG00000015285	WAS	Wiskott-Aldrich syndrome	Cytoplasm
-7.652	ENSG00000112290	WASF1	WAS protein family member 1	Nucleus
-8.448	ENSG00000227232	WASH7P	WAS protein family homolog 7, pseudogene	Other
-9.3	ENSG00000226210	WASH8P	WAS protein family homolog 8, pseudogene	Other
-5.821	ENSG00000181404	WASHC1	WASH complex subunit 1	Cytoplasm
-7.071	ENSG00000163026	WDPC	WD repeat and coiled coil containing	Other
-11.787	ENSG00000128815	WDFY4	WDFY family member 4	Other
-7.922	ENSG00000157796	WDR19	WD repeat domain 19	Extracellular Space
-4.818	ENSG00000047056	WDR37	WD repeat domain 37	Other
-8.429	ENSG00000174776	WDR49	WD repeat domain 49	Other
-7.606	ENSG00000185798	WDR53	WD repeat domain 53	Other
-8.029	ENSG00000005448	WDR54	WD repeat domain 54	Other
-5.963	ENSG00000158023	WDR66	WD repeat domain 66	Cytoplasm
-5.957	ENSG00000167716	WDR81	WD repeat domain 81	Plasma Membrane
-8.487	ENSG00000105583	WDR83O5	WD repeat domain 83 opposite strand	Other
-6.749	ENSG00000243836	WDR86-AS1	WDR86 antisense RNA 1	Other
-10.409	ENSG00000105875	WDR91	WD repeat domain 91	Cytoplasm
-1.569	ENSG00000142784	WDTC1	WD and tetratricopeptide repeats 1	Nucleus
-5.658	ENSG00000228775	WEE2-AS1	WEE2 antisense RNA 1	Other
-6.702	ENSG00000169884	WNT10B	Wnt family member 10B	Extracellular Space
-5.583	ENSG00000085741	WNT11	Wnt family member 11	Extracellular Space
-3.301	ENSG00000076924	XAB2	XPA binding protein 2	Nucleus
-11.488	ENSG00000132530	XAF1	XIAP associated factor 1	Nucleus
-9.179	ENSG00000158156	XKR8	XK related 8	Plasma Membrane
-1.31	ENSG00000169180	XPO6	exportin 6	Cytoplasm
-7.443	ENSG00000126215	XRCC3	X-ray repair cross complementing 3	Nucleus
-8.94	ENSG00000152422	XRCC4	X-ray repair cross complementing 4	Nucleus
-6.804	ENSG00000271581	Xxbac-BPG248L24.12	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.752	ENSG00000272316	Xxbac-BPGBPG55C20.2	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.943	ENSG00000213600	XXCOS_LUCA161	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.909	ENSG00000214888	XXYAC_YM21GA27	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-7.732	ENSG00000093217	XYLB	xylulokinase	Cytoplasm
-7.75	ENSG00000252759	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.709	ENSG00000202127	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.418	ENSG00000207034	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.903	ENSG00000239040	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-6.85	ENSG00000202078	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.633	ENSG00000252965	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.937	ENSG00000201208	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-4.409	ENSG00000251728	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.607	ENSG00000207370	Y_RNA	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-9.061	ENSG00000224003	YES1P1	YES1 pseudogene 1	Other
-3.871	ENSG00000130733	YIPF2	Yip1 domain family member 2	Cytoplasm
-9.891	ENSG00000105248	YJU2	YJU2 splicing factor homolog	Nucleus
-8.384	ENSG00000166793	YPEL4	yippee like 4	Nucleus
-4.029	ENSG00000196449	YRDC	yrDC N6-threonylcarbamoyltransferase domain containing	Other
-5.978	ENSG00000270673	YTHDF3-AS1	YTHDF3 antisense RNA 1 (head to head)	Other
-5.28	ENSG00000256464	YWHAHP2	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein beta pseudogene 2	Other
-5.805	ENSG00000230797	YY2	YY2 transcription factor	Nucleus
-12.044	ENSG00000115085	ZAP70	zeta chain of T cell receptor associated protein kinase 70	Plasma Membrane
-6.742	ENSG00000247271	ZBED5-AS1	ZBED5 antisense RNA 1	Other
-8.649	ENSG00000188707	ZBED6CL	ZBED6 C-terminal like	Other
-9.763	ENSG00000124256	ZBP1	Z-DNA binding protein 1	Cytoplasm
-8.135	ENSG00000256628	ZBTB11-AS1	ZBTB11 antisense RNA 1	Other
-5.822	ENSG00000185670	ZBTB3	zinc finger and BTB domain containing 3	Nucleus
-4.504	ENSG00000114853	ZBTB47	zinc finger and BTB domain containing 47	Other
-8.806	ENSG00000168826	ZBTB49	zinc finger and BTB domain containing 49	Nucleus
-9.058	ENSG00000178199	ZC3H12D	zinc finger CCCH-type containing 12D	Cytoplasm
-9.214	ENSG00000144161	ZC3H8	zinc finger CCCH-type containing 8	Nucleus
-7.896	ENSG00000091732	ZC3HC1	zinc finger C3HC-type containing 1	Nucleus
-6.064	ENSG00000165424	ZCCHC24	zinc finger CCHC-type containing 24	Other
-6.605	ENSG00000159714	ZDHHC1	zinc finger DHHC-type containing 1	Nucleus
-6.123	ENSG00000188818	ZDHHC11	zinc finger DHHC-type containing 11	Cytoplasm
-9.427	ENSG00000177054	ZDHHC13	zinc finger DHHC-type containing 13	Nucleus
-5.177	ENSG00000236953	ZDHHC20-IT1	ZDHHC20 intronic transcript 1	Other
-8.539	ENSG00000174165	ZDHHC24	zinc finger DHHC-type containing 24	Plasma Membrane
-5.513	ENSG00000099904	ZDHHC8	zinc finger DHHC-type containing 8	Cytoplasm
-10.67	ENSG00000148516	ZEB1	zinc finger E-box binding homeobox 1	Nucleus
-7.87	ENSG00000238057	ZEB2-AS1	ZEB2 antisense RNA 1	Other
-6.344	ENSG00000136367	ZFHX2	zinc finger homeobox 2	Nucleus
-8.917	ENSG00000142065	ZFP14	ZFP14 zinc finger protein	Nucleus
-8.261	ENSG00000181638	ZFP41	ZFP41 zinc finger protein	Nucleus
-8.294	ENSG00000187815	ZFP69	ZFP69 zinc finger protein	Nucleus
-6.678	ENSG00000181007	ZFP82	ZFP82 zinc finger protein	Nucleus
-10.007	ENSG00000184939	ZFP90	ZFP90 zinc finger protein	Nucleus

-6.321	ENSG00000189420	ZFP92	ZFP92 zinc finger protein	Nucleus
-9.195	ENSG00000162300	ZFPL1	zinc finger protein like 1	Cytoplasm
-4.995	ENSG00000162078	ZG16B	zymogen granule protein 16B	Cytoplasm
-9.094	ENSG00000155592	ZKSCAN2	zinc finger with KRAB and SCAN domains 2	Nucleus
-8.084	ENSG00000189298	ZKSCAN3	zinc finger with KRAB and SCAN domains 3	Nucleus
-7.594	ENSG00000187626	ZKSCAN4	zinc finger with KRAB and SCAN domains 4	Nucleus
-6.119	ENSG00000196345	ZKSCAN7	zinc finger with KRAB and SCAN domains 7	Nucleus
-8.666	ENSG00000100319	ZMAT5	zinc finger matrin-type 5	Nucleus
-5.863	ENSG00000224596	ZMIZ1-AS1	ZMIZ1 antisense RNA 1	Other
-5.401	ENSG00000004838	ZMYND10	zinc finger MYND-type containing 10	Cytoplasm
-7.789	ENSG00000141497	ZMYND15	zinc finger MYND-type containing 15	Other
-9.018	ENSG00000197020	ZNF100	zinc finger protein 100	Nucleus
-5.895	ENSG00000234473	ZNF101P2	zinc finger protein 101 pseudogene 2	Other
-5.779	ENSG00000131849	ZNF132	zinc finger protein 132	Nucleus
-6.836	ENSG00000123870	ZNF137P	zinc finger protein 137, pseudogene	Nucleus
-8.877	ENSG00000105708	ZNF14	zinc finger protein 14	Nucleus
-8.833	ENSG00000179909	ZNF154	zinc finger protein 154	Nucleus
-7.492	ENSG00000204920	ZNF155	zinc finger protein 155	Nucleus
-8.899	ENSG00000175787	ZNF169	zinc finger protein 169	Nucleus
-8.85	ENSG00000096654	ZNF184	zinc finger protein 184	Nucleus
-7.525	ENSG00000157429	ZNF19	zinc finger protein 19	Nucleus
-6.376	ENSG00000204789	ZNF204P	zinc finger protein 204, pseudogene	Other
-1.916	ENSG0000010244	ZNF207	zinc finger protein 207	Nucleus
-6.693	ENSG00000167377	ZNF23	zinc finger protein 23	Nucleus
-8.142	ENSG00000159882	ZNF230	zinc finger protein 230	Nucleus
-7.443	ENSG00000167840	ZNF232	zinc finger protein 232	Nucleus
-8.119	ENSG00000263002	ZNF234	zinc finger protein 234	Nucleus
-6.294	ENSG00000197134	ZNF257	zinc finger protein 257	Nucleus
-6.533	ENSG00000198393	ZNF26	zinc finger protein 26	Nucleus
-4.934	ENSG00000198039	ZNF273	zinc finger protein 273	Nucleus
-8.178	ENSG00000056277	ZNF280C	zinc finger protein 280C	Nucleus
-6.2	ENSG00000187607	ZNF286A	zinc finger protein 286A	Nucleus
-6.581	ENSG00000141040	ZNF287	zinc finger protein 287	Nucleus
-8.678	ENSG00000170684	ZNF296	zinc finger protein 296	Nucleus
-6.978	ENSG00000181315	ZNF322	zinc finger protein 322	Cytoplasm
-8.268	ENSG00000083812	ZNF324	zinc finger protein 324	Nucleus
-7.487	ENSG00000181894	ZNF329	zinc finger protein 329	Other
-6.148	ENSG00000213742	ZNF337-AS1	ZNF337 antisense RNA 1	Other
-7.759	ENSG00000196378	ZNF34	zinc finger protein 34	Nucleus
-8.275	ENSG00000131061	ZNF341	zinc finger protein 341	Nucleus
-5.305	ENSG00000169131	ZNF354A	zinc finger protein 354A	Nucleus
-6.694	ENSG00000138311	ZNF365	zinc finger protein 365	Cytoplasm
-7.195	ENSG00000178175	ZNF366	zinc finger protein 366	Nucleus
-10.889	ENSG00000234420	ZNF378P	zinc finger protein 378, pseudogene	Other
-9.136	ENSG00000188283	ZNF383	zinc finger protein 383	Nucleus
-3.401	ENSG00000161642	ZNF385A	zinc finger protein 385A	Nucleus
-6.063	ENSG00000186496	ZNF396	zinc finger protein 396	Nucleus
-5.213	ENSG00000176222	ZNF404	zinc finger protein 404	Other
-8.699	ENSG00000175213	ZNF408	zinc finger protein 408	Nucleus
-8.943	ENSG00000119725	ZNF410	zinc finger protein 410	Nucleus
-8.038	ENSG00000266127	ZNF415P1	zinc finger protein 415 pseudogene 1	Other
-7.58	ENSG00000083817	ZNF416	zinc finger protein 416	Nucleus
-6.515	ENSG00000173480	ZNF417/ZNF587	zinc finger protein 417	Nucleus
-8.02	ENSG00000197050	ZNF420	zinc finger protein 420	Cytoplasm
-8.981	ENSG00000171291	ZNF439	zinc finger protein 439	Nucleus
-5.976	ENSG00000197044	ZNF441	zinc finger protein 441	Nucleus
-9.312	ENSG00000124459	ZNF45	zinc finger protein 45	Nucleus
-7.642	ENSG00000225614	ZNF469	zinc finger protein 469	Nucleus
-6.841	ENSG00000197016	ZNF470	zinc finger protein 470	Nucleus
-7.555	ENSG00000173258	ZNF483	zinc finger protein 483	Nucleus
-9.981	ENSG00000127081	ZNF484	zinc finger protein 484	Nucleus
-6.814	ENSG00000198298	ZNF485	zinc finger protein 485	Nucleus
-7.91	ENSG00000256229	ZNF486	zinc finger protein 486	Nucleus
-8.45	ENSG00000243660	ZNF487	zinc finger protein 487	Other
-7.982	ENSG00000188033	ZNF490	zinc finger protein 490	Nucleus
-5.98	ENSG00000144026	ZNF514	zinc finger protein 514	Nucleus
-7.266	ENSG00000197363	ZNF517	zinc finger protein 517	Nucleus
-7.211	ENSG00000175322	ZNF519	zinc finger protein 519	Nucleus
-9.272	ENSG00000198795	ZNF521	zinc finger protein 521	Nucleus
-7.254	ENSG00000189164	ZNF527	zinc finger protein 527	Nucleus
-7.222	ENSG00000183647	ZNF530	zinc finger protein 530	Other
-6.943	ENSG00000171817	ZNF540	zinc finger protein 540	Cytoplasm
-7.398	ENSG00000187187	ZNF546	zinc finger protein 546	Nucleus
-7.448	ENSG00000172006	ZNF554	zinc finger protein 554	Nucleus
-8.048	ENSG00000186300	ZNF555	zinc finger protein 555	Other
-5.559	ENSG00000267106	ZNF561-AS1	ZNF561 antisense RNA 1 (head to head)	Other
-6.72	ENSG00000249709	ZNF564	zinc finger protein 564	Nucleus
-6.729	ENSG00000196357	ZNF565	zinc finger protein 565	Nucleus
-7.128	ENSG00000186017	ZNF566	zinc finger protein 566	Nucleus
-5.24	ENSG00000171970	ZNF57	zinc finger protein 57	Other
-7.584	ENSG00000180479	ZNF571	zinc finger protein 571	Nucleus
-6.991	ENSG00000176472	ZNF575	zinc finger protein 575	Nucleus
-6.577	ENSG00000018869	ZNF582	zinc finger protein 582	Other
-5.325	ENSG00000171574	ZNF584	zinc finger protein 584	Nucleus
-7.532	ENSG00000196967	ZNF585A	zinc finger protein 585A	Nucleus
-8.109	ENSG00000245680	ZNF585B	zinc finger protein 585B	Nucleus
-7.503	ENSG00000167981	ZNF597	zinc finger protein 597	Nucleus
-7.316	ENSG00000166704	ZNF606	zinc finger protein 606	Nucleus
-7.562	ENSG00000177842	ZNF620	zinc finger protein 620	Nucleus
-8.715	ENSG00000197566	ZNF624	zinc finger protein 624	Nucleus
-5.302	ENSG00000167528	ZNF641	zinc finger protein 641	Other

-6.475	ENSG00000197497	ZNF665	zinc finger protein 665	Other
-8.602	ENSG00000167394	ZNF668	zinc finger protein 668	Cytoplasm
-8.933	ENSG00000083814	ZNF671	zinc finger protein 671	Nucleus
-7.877	ENSG00000251192	ZNF674	zinc finger protein 674	Other
-6.891	ENSG00000230844	ZNF674-AS1	ZNF674 antisense RNA 1 (head to head)	Other
-9.014	ENSG00000176083	ZNF683	zinc finger protein 683	Other
-9.146	ENSG00000156853	ZNF689	zinc finger protein 689	Nucleus
-6.542	ENSG00000198429	ZNF69	zinc finger protein 69	Nucleus
-7.209	ENSG00000164011	ZNF691	zinc finger protein 691	Nucleus
-5.42	ENSG00000183779	ZNF703	zinc finger protein 703	Nucleus
-5.977	ENSG00000178665	ZNF713	zinc finger protein 713	Nucleus
-6.723	ENSG00000227124	ZNF717	zinc finger protein 717	Nucleus
-6.759	ENSG00000196081	ZNF724	zinc finger protein 724	Other
-8.052	ENSG00000169951	ZNF764	zinc finger protein 764	Other
-7.241	ENSG00000175691	ZNF77	zinc finger protein 77	Nucleus
-7.496	ENSG00000197128	ZNF772	zinc finger protein 772	Other
-5.788	ENSG00000179922	ZNF784	zinc finger protein 784	Other
-5.676	ENSG00000267254	ZNF790-AS1	ZNF790 antisense RNA 1	Other
-6.957	ENSG00000267216	ZNF8-ERVK3-1	chondroitin sulfate proteoglycan 4 pseudogene 3 Y-linked	Other
-5.214	ENSG00000174255	ZNF80	zinc finger protein 80	Nucleus
-7.144	ENSG00000170396	ZNF804A	zinc finger protein 804A	Plasma Membrane
-9.113	ENSG00000198346	ZNF813	zinc finger protein 813	Other
-8.693	ENSG00000235944	ZNF815P	zinc finger protein 815, pseudogene	Other
-7.056	ENSG00000185869	ZNF829	zinc finger protein 829	Other
-9.988	ENSG00000124203	ZNF831	zinc finger protein 831	Other
-6.092	ENSG00000152475	ZNF837	zinc finger protein 837	Other
-9.703	ENSG00000213799	ZNF845	zinc finger protein 845	Other
-8.798	ENSG00000196605	ZNF846	zinc finger protein 846	Other
-7.829	ENSG00000267041	ZNF850	zinc finger protein 850	Other
-8.406	ENSG00000178917	ZNF852	zinc finger protein 852	Other
-6.344	ENSG00000198155	ZNF876P	zinc finger protein 876, pseudogene	Other
-8.081	ENSG00000234284	ZNF879	zinc finger protein 879	Other
-6.072	ENSG00000228623	ZNF883	zinc finger protein 883	Other
-6.101	ENSG00000213793	ZNF888	zinc finger protein 888	Other
-6.158	ENSG00000213988	ZNF90	zinc finger protein 90	Nucleus
-7.342	ENSG00000174276	ZNHIT2	zinc finger HIT-type containing 2	Other
-6.911	ENSG00000121988	ZRANB3	zinc finger RANBP2-type containing 3	Nucleus
-8.232	ENSG00000196812	ZSCAN16	zinc finger and SCAN domain containing 16	Nucleus
-7.626	ENSG00000269293	ZSCAN16-AS1	ZSCAN16 antisense RNA 1	Other
-7.447	ENSG00000176371	ZSCAN2	zinc finger and SCAN domain containing 2	Nucleus
-6.541	ENSG00000121903	ZSCAN20	zinc finger and SCAN domain containing 20	Nucleus
-8.643	ENSG00000137185	ZSCAN9	zinc finger and SCAN domain containing 9	Nucleus
-7.319	ENSG00000185453	ZSWIM9	zinc finger SWIM-type containing 9	Other

Upregulated Genes: Disease and Function

Categories	Diseases or Functions Annotation	p-value	Predicted Activation State	Activation z-score	Genes	# Molecules
Cellular Movement	Cell movement of prostate cancer cell lines	3.92E-07		0.732	AFAP1, AGR2, AKAP12, AR, CDH1, EDN1, EGF, EGFR, EHF, FOXA1, GDF15, HSP90AA1, HSP90B1, IGF1R, IRS1, LMNA, NDRG1, NRP1, PRKDC1, RAC1, SPDEF, TRPM8, WWTR1	24
Cellular Development, Cellular Growth and Proliferation	Proliferation of prostate cancer cell lines	3.51E-06	Increased	2.014	AFAP1, AKAP12, ALCAM, AR, BMPR1B, CAPN13, CCN1, CCND1, CDH1, COBLL1, CXADR, DAB2, EDN1, EGF, EGFR, EHF, EPBB3, FASN, GF2, FOXA1, GDF15, H0XB13, HPN, IGF1R, IGF2, IGF2R, IGF2BP2, IGF2BP3, IGF2BP4, IGF2BP5, IGF2BP6, IGF2BP7, IGF2BP8, IGF2BP9, IGF2BP10, IGF2BP11, IGF2BP12, IGF2BP13, IGF2BP14, IGF2BP15, IGF2BP16, IGF2BP17, IGF2BP18, IGF2BP19, IGF2BP20, IGF2BP21, IGF2BP22, IGF2BP23, IGF2BP24, IGF2BP25, IGF2BP26, IGF2BP27, IGF2BP28, IGF2BP29, IGF2BP30, IGF2BP31, IGF2BP32, IGF2BP33, IGF2BP34, IGF2BP35, IGF2BP36, IGF2BP37, IGF2BP38, IGF2BP39, IGF2BP40, IGF2BP41, IGF2BP42, IGF2BP43, IGF2BP44, IGF2BP45, IGF2BP46, IGF2BP47, IGF2BP48, IGF2BP49, IGF2BP50, IGF2BP51, IGF2BP52, IGF2BP53, IGF2BP54, IGF2BP55, IGF2BP56, IGF2BP57, IGF2BP58, IGF2BP59, IGF2BP60, IGF2BP61, IGF2BP62, IGF2BP63, IGF2BP64, IGF2BP65, IGF2BP66, IGF2BP67, IGF2BP68, IGF2BP69, IGF2BP70, IGF2BP71, IGF2BP72, IGF2BP73, IGF2BP74, IGF2BP75, IGF2BP76, IGF2BP77, IGF2BP78, IGF2BP79, IGF2BP80, IGF2BP81, IGF2BP82, IGF2BP83, IGF2BP84, IGF2BP85, IGF2BP86, IGF2BP87, IGF2BP88, IGF2BP89, IGF2BP90, IGF2BP91, IGF2BP92, IGF2BP93, IGF2BP94, IGF2BP95, IGF2BP96, IGF2BP97, IGF2BP98, IGF2BP99, IGF2BP100	38
Cellular Growth and Proliferation	Colony formation of prostate cancer cell lines	2.67E-05		0.78	AR, EHF, HPN, LMNA, NDRG1, NFKBIA, NKK3-1, STEAP2, TP52	9
Cellular Movement	Invasion of prostate cancer cell lines	5.04E-05		-0.181	AGR2, AKAP12, AR, CDH1, EFN1, EFBF1, EFR, FOLH1, HPN, LMNA, NDRG1, NFKBIA, RAC1, SPDEF	14
Cell-To-Cell Signaling and Interaction	Interaction of prostate cancer cell lines	5.97E-05	Increased	2.094	AFAP1, AKAP12, AR, CDH1, EGF, FASN, IRS1, ITGA2, KLK3, NFKBIA, NRP1	11
Cancer, Organismal Injury and Abnormalities, Reproductive System Disease	Neoplasia of prostate cancer cell lines	8.57E-05		1.069	ALCAM, CCND1, CXADR, H0XB13, NDRG1, NFKBIA, TP52, WWTR1	8
Cancer, Organismal Injury and Abnormalities	Secondary tumor	1.86E-04		0.13	ALCAM, H0XB13, NDRG1, NFKBIA, SERPINE1, WWTR1	6
Cell-To-Cell Signaling and Interaction	Binding of prostate cancer cell lines	2.09E-04		1.891	AFAP1, AKAP12, AR, CDH1, EGF, IRS1, ITGA2, KLK3, NFKBIA, NRP1	10
Cell Death and Survival	Necrosis of prostate cancer cell lines	3.19E-04		0.335	ADI1, AGR2, AKAP12, ALCAM, AR, CASP3, EDN1, EGF, EGFR, EHF, FASN, GDF15, HPN, HSPD1, JUN, KLK3, NDRG1, NFKBIA, PAWR, PRKAA2, SRC, TGFBR2, TP52, UACA, VEGFC	25
Cancer, Organismal Injury and Abnormalities, Reproductive System Disease	Metastasis of prostate cancer cell lines	4.18E-04		0.762	ALCAM, H0XB13, NDRG1, NFKBIA, WWTR1	5
Cellular Movement	Migration of prostate cancer cell lines	4.67E-04		1.305	AFAP1, AR, CDH1, EDN1, EGF, EGFR, EHF, GDF15, HSP90B1, IGF1R, LMNA, NDRG1, RAC1, SPDEF, TRPM8, WWTR1	16
Cell Death and Survival	Apoptosis of prostate cancer cell lines	5.07E-04		0.599	ADI1, AKAP12, ALCAM, AR, CASP3, EDN1, EGF, EGFR, EHF, FASN, GDF15, HPN, HSPD1, JUN, KLK3, NDRG1, NFKBIA, PAWR, PRKAA2, SRC, TP52, UACA	22
Cellular Assembly and Organization, Cellular Function and Maintenance	Retraction of filaments	6.15E-04			EFN1, PTK2, SRC	3
Cell Cycle	S phase of prostate cancer cell lines	8.76E-04			AR, CCND1, PMEP1, SRC	4
Cell Morphology	Morphology of prostate cancer cell lines	9.21E-04			CDH1, EGFR, FASN, GDF15, HSP90AA1, IGF1R, SPDEF	7
Cell Cycle	Interphase of prostate cancer cell lines	9.21E-04		0.152	AR, CCND1, DAB2, H0XB13, KLK3, PMEP1, SRC	7
Cell Death and Survival	Apoptosis of carcinoma cell lines	1.47E-03			ADI1, IGF1R, PAWR	3
Cell-To-Cell Signaling and Interaction, Cellular Assembly and Organization	Cell-cell contact	2.83E-03			CDH1, EGF, FASN	3
Cell-To-Cell Signaling and Interaction	Adhesion of prostate cancer cell lines	4.89E-03	Increased	2.423	AFAP1, AKAP12, CDH1, IGF1R, KLK3, NFKBIA	6
Cell Cycle	Cell cycle progression	6.07E-03		1.948	AR, CCND1, EGF, EHF, FOXA1, IGF1R, TACC2	7
Cell Cycle	Cell cycle progression of prostate cancer cell lines	6.98E-03		1.718	AR, CCND1, EGF, EHF, FOXA1, TACC2	6
Tissue Morphology	Quantity of prostate cancer cell lines	7.30E-03			AR, CCND1, HPN	3
Cancer, Organismal Injury and Abnormalities, Tissue Morphology, Tumor Morphology	Size of tumor	8.55E-03			NRP1, SERPINE1	2
Cell Morphology	Cell rounding of prostate cancer cell lines	8.55E-03			AKAP12, EFN1	2
Cell Death and Survival	Apoptosis of adenocarcinoma cell lines	8.55E-03			ADI1, NDRG1	2
Cellular Development	Epithelial-mesenchymal transition of prostate cancer cell lines	1.00E-02		1.452	ARHGAP21, EGF, EGFR, NDRG1, NRP1	5
Gene Expression	Expression of RNA	1.48E-02		1.121	AR, CDH1, EGF, NFKBIA	4
Cellular Movement	Movement of adenocarcinoma cell lines	1.65E-02			NDRG1, NRP1	2
Cellular Development, Cellular Growth and Proliferation	Development of prostate cancer cell lines	1.65E-02			AR, COBLL1	2
Cell Cycle	G1 phase of prostate cancer cell lines	2.09E-02			CCND1, DAB2, H0XB13, KLK3	4
Cell-To-Cell Signaling and Interaction, Cellular Assembly and Organization	Cell-cell contact of prostate cancer cell lines	2.65E-02			CDH1, FASN	2
Cancer	Transformation of prostate cancer cell lines	2.65E-02			IGF1R, IGF1	2
Gene Expression	Transcription of RNA	3.04E-02			AR, CDH1, EGF	3
Cellular Movement	Dissemination of prostate cancer cell lines	3.83E-02			EGFR, IGF1R	2
Cellular Assembly and Organization, Cellular Function and Maintenance	Organization of cytoskeleton	4.47E-02			AKAP12, AR, EFN1	3

Downregulated Genes: Disease and Function

Categories	Diseases or Functions Annotation	p-value	Genes	# Molecules
Cellular Function and Maintenance	Progression of prostate cancer cell lines	1.39E-02	FGFR1,IL1B	2
Cell Signaling,Molecular Transport,Vitamin and Mineral Metabolism	Mobilization of Ca2+	3.97E-02	CNR2,GPR55,WNT10B	3