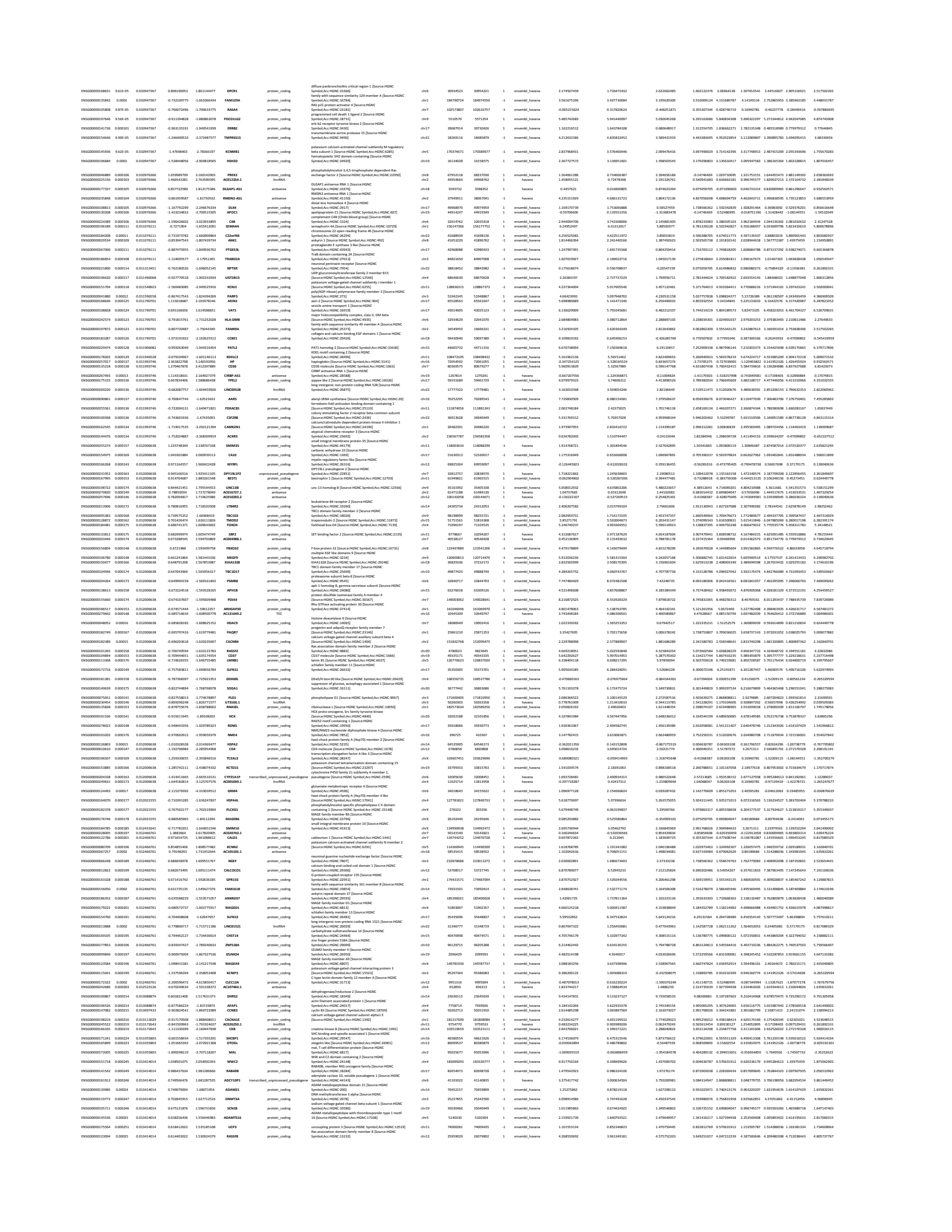
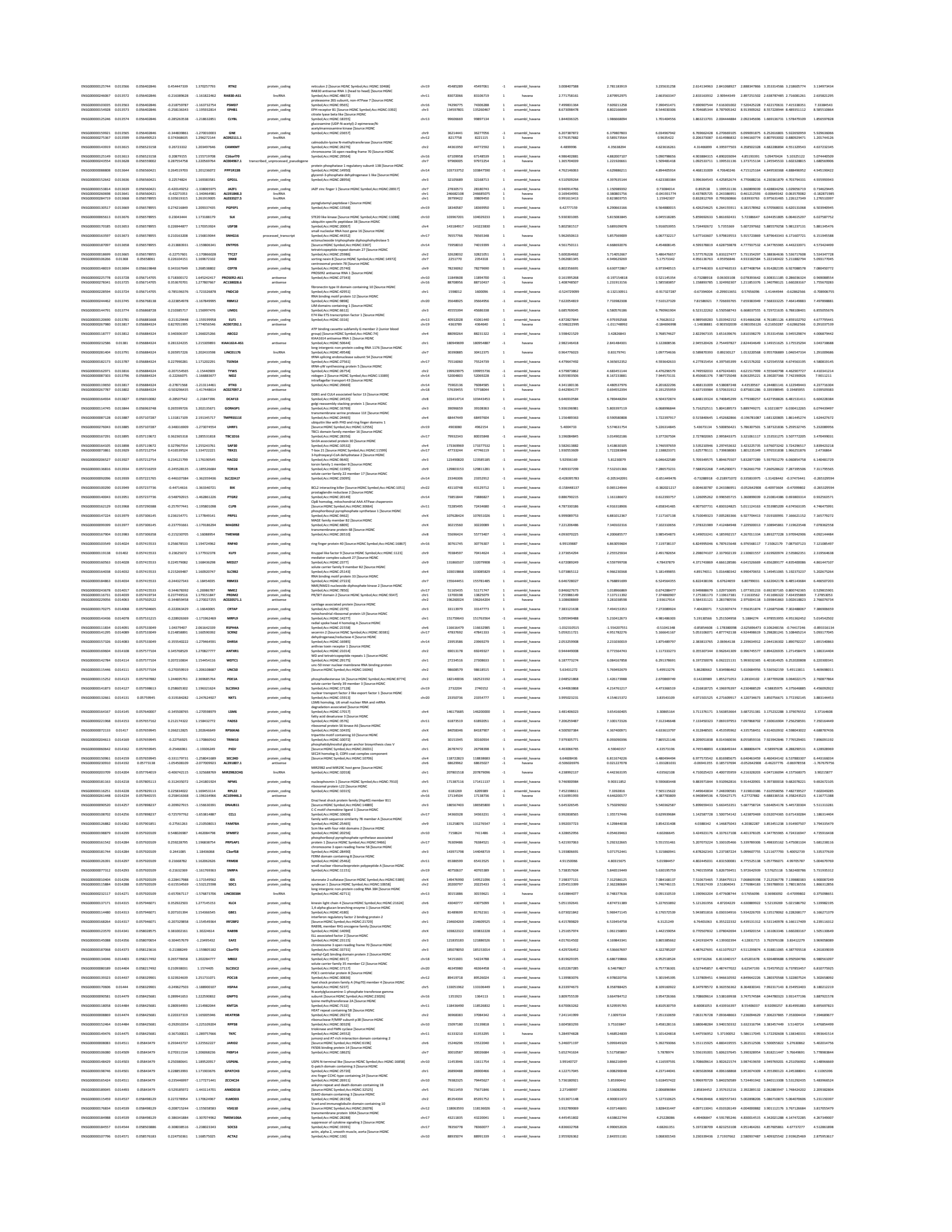
Information:
In the next sheet in this file we provide the differential gene expression analysis between control (shCtrl) and ASH2L depleted (shASH2L) L1236 cells. Three independent experiments were performed.
Row 1 is a header and contains information about the content of the respective column: Gene ID, Fold change, gene description, gene location, fold discovery rate (FDR), etc. The expression levels (represented as normalized counts per million reads). The last 6 columns contain the data regarding gene reads, for all 6 individual experiments.

Gene_ID	P.Value	adj.P.Val (FDR)	log2 Fold changeC	Fold_Change	Gene_Name	Gene_type	Description	Chromosome_Name	Gene_Start	Gene_End	Strand	Source_gene	Average expression all exps	Average expression shCtrl	Average expression shASH2L	shCtr-3	shCtr-2	shCtr-1	shASH2L-3	shASH2L-2	shASH2L-1
ENSG00000205038	4.14E-07	0.004356803	5.78906795	55.29464828	PKHD1L1	protein_coding	PKHD1 like 1 [Source:HGNC Symbol;Acc:HGNC:20311]	chr8	19916477	19953030	1	ensembl_havana	-1.153936762	-4.048470737	-1.740597213	-4.33138091	-4.389814537	-3.422416761	1.212343926	1.682828385	2.326619329
ENSG00000026034	4.12E-06	0.004356803	4.162838001	17.91179481	MRC1	protein_coding	mannose receptor C type 1 [Source:HGNC Symbol;Acc:HGNC:7228]	chr10	17809344	17911170	1	ensembl_havana	-0.703434846	-2.784853847	1.377984154	-2.32026672	-2.611518056	-3.422416761	1.514288036	1.529563273	1.090101154
ENSG00000240216	1.84E-06	0.004356803	2.102586301	4.294786161	CPHL1P	transcribed_unitary_pseudogene	ceruloplasmin and haphaestin-like 1 pseudogene [Source:HGNC Symbol;Acc:HGNC:31714]	chr3	149229356	149291800	-1	havana	-0.720819917	-1.772113067	0.330473234	-2.32026672	-1.72386249	-1.271845989	-0.12879794	0.343769191	0.77644845
ENSG00000069535	3.81E-06	0.004356803	1.659595837	3.159280668	MAOB	protein_coding	monoamine oxidase B [Source:HGNC Symbol;Acc:HGNC:6834]	chrX	43766611	43882447	-1	ensembl_havana	1.380504517	0.550706598	2.210302435	0.355307344	0.720251491	0.576560096	2.053540577	2.315517031	2.261849697
ENSG00000122122	3.23E-06	0.004356803	-1.596021279	-3.023084444	SASH3	protein_coding	SAM and SH3 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:19375]	chrX	129779979	129795201	1	ensembl_havana	5.027615941	5.82564658	4.229625301	5.975266871	5.838480313	5.663174856	4.378023791	4.2585809	4.052271213
ENSG00000189233	4.37E-06	0.004356803	-1.690526313	-3.227744364	NUGGC	protein_coding	nuclear GTPase, germinal center associated [Source:HGNC Symbol;Acc:HGNC:30550]	chr8	28021964	28038871	-1	ensembl_havana	4.264692637	5.109955793	3.41942948	5.292691307	4.884552362	5.152623731	3.669971868	3.203092147	3.385224425
ENSG00000182578	4.55E-06	0.004356803	-1.849037314	-3.602597096	CSF1R	protein_coding	colony stimulating factor 1 receptor [Source:HGNC Symbol;Acc:HGNC:2433]	chr5	150053291	150113372	-1	ensembl_havana	3.915927406	4.840446063	2.991408749	5.244796796	4.468781447	4.807756945	3.279095331	2.677309452	3.017821464
ENSG00000102970	3.12E-06	0.004356803	-1.870816288	-3.657394599	CCL17	protein_coding	C-C motif chemokine ligand 17 [Source:HGNC Symbol;Acc:HGNC:10615]	chr16	57404767	57416062	1	ensembl_havana	5.859839974	6.795248118	4.92443183	6.86096621	6.80596713	6.718831015	5.012704806	4.84667624	4.913914443
ENSG00000188488	3.34E-06	0.004356803	-1.919910162	-3.783994946	SERPINA6	protein_coding	serpin family A member 6 [Source:HGNC Symbol;Acc:HGNC:8723]	chr14	94561442	94593120	1	ensembl_havana	4.109647719	5.0666028	3.146692638	5.547702161	4.775201171	4.876905068	3.535494485	2.89557011	3.048013319
ENSG00000244731	1.50E-06	0.004356803	-1.976497059	-3.935363934	C4A	protein_coding	complement C4A (Rodgers blood group) [Source:HGNC Symbol;Acc:HGNC:1323]	chr6	31982024	32002681	-1	havana	4.365323856	5.353572386	3.377075327	5.628960829	4.9819684	5.449787929	3.607495467	3.024849801	3.496880712
ENSG00000151224	2.25E-06	0.004356803	-2.006109041	-4.016973771	MAT1A	protein_coding	methionine adenosyltransferase 1A [Source:HGNC Symbol;Acc:HGNC:6903]	chr10	80271820	80289684	-1	ensembl_havana	0.772522557	1.775577078	-0.230531963	1.968729995	1.909699171	1.448309068	-0.08686711	-0.00684508	-0.597883695
ENSG00000139193	3.10E-06	0.004356803	-2.489789057	-5.616958163	CD27	protein_coding	CD27 molecule [Source:HGNC Symbol;Acc:HGNC:11922]	chr12	6444867	6451718	1	ensembl_havana	2.618906196	3.863800725	1.374011667	3.760287894	3.776492281	3.654621999	1.107892607	1.300906777	1.713235619
ENSG00000182621	4.40E-06	0.004356803	-2.605452474	-6.085823415	PLCB1	protein_coding	phospholipase C beta 1 [Source:HGNC Symbol;Acc:HGNC:15917]	chr20	8077251	8968360	1	ensembl_havana	-0.67820699	0.624519247	-1.980933226	0.791576534	0.378171619	0.703809588	-1.90365811	-2.08847383	-2.030667746
ENSG00000129691	7.83E-07	0.004356803	-2.947904408	-7.716274187	ASH2L	protein_coding	ASH2 like histone lysine methyltransferase complex subunit [Source:HGNC Symbol;Acc:HGNC:744]	chr8	38105242	38144076	1	ensembl_havana	3.906995482	5.383947686	2.433043278	5.32827068	5.450495655	5.364076724	2.246292314	2.566495926	2.486341593
ENSG00000005981	3.06E-06	0.004356803	-5.425341702	-42.9724969	ASB4	protein_coding	ankyrin repeat and SOCS box containing 4 [Source:HGNC Symbol;Acc:HGNC:16009]	chr7	95478444	95540232	1	ensembl_havana	-1.967560362	0.745110488	-4.680231213	-0.410368387	1.364499946	1.281515389	-5.3500916	-4.33911973	-4.351482308
ENSG00000226025	6.09E-06	0.00542025	-1.447372553	-2.727109355	AC005515.1	transcribed_unprocessed_pseudogene	junctional sarcoplasmatic reticulum protein 1 [Source:HGNC Symbol;Acc:HGNC:24963]	chr19	39679374	39686373	1	havana	-0.235940093	0.487746183	-0.959626369	0.727424294	0.298828819	0.436999436	-0.75894329	-1.15951152	-0.960424301
ENSG00000167476	6.42E-06	0.00542025	-1.481626664	-2.792634303	JSRP1	protein_coding	taste 1 receptor member 1 [Source:HGNC Symbol;Acc:HGNC:14448]	chr19	2252252	2269759	-1	ensembl_havana	-0.090513657	0.650299675	-0.831126989	1.075455542	0.592979824	0.28246366	-0.35894771	-0.86978558	-1.265247677
ENSG00000173662	7.78E-06	0.005923552	-1.162472432	-2.573254533	TAS1R1	protein_coding	membrane associated ring-CH-type finger 1 [Source:HGNC Symbol;Acc:HGNC:29406]	chr1	6555181	6579757	1	ensembl_havana	3.854179738	4.535415954	3.172943522	4.498882254	4.530870564	4.576497044	3.090972172	3.210869813	3.21698858
ENSG00000145416	7.84E-06	0.005923552	-1.430219175	-2.694875653	MARCH1	protein_coding	marginal zone B and B1 cell-specific protein [Source:HGNC Symbol;Acc:HGNC:26077]	chr4	163524298	164384050	-1	ensembl_havana	2.268634317	2.988743905	1.55352473	3.032160045	2.826996371	3.092075299	1.644455473	1.426455924	1.589662793
ENSG00000187994	8.93E-06	0.006412366	-1.678557737	-3.203077791	RIN1	protein_coding	Ras and Rab interactor 1 [Source:HGNC Symbol;Acc:HGNC:24795]	chr19	3886784	3887829	-1	ensembl_havana	3.10519415	3.944473019	2.265915282	4.045427109	3.680623265	4.107386884	2.40166672	2.097907935	2.298191191
ENSG00000113946	1.24E-05	0.007447584	1.89844078	3.728100574	CLDN16	protein_coding	claudin 16 [Source:HGNC Symbol;Acc:HGNC:2037]	chr3	190322541	190412143	1	havana	1.11581272	0.16659233	-0.033191641	0.094699996	0.436939436	1.966601016	2.088949457	2.138994213	
ENSG00000280618	1.36E-05	0.007447584	-1.169621138	-2.24952615	CPB2	protein_coding	carboxypeptidase B2 [Source:HGNC Symbol;Acc:HGNC:2300]	chr3	46053195	46105033	-1	ensembl_havana	-0.811695095	-0.226884526	-1.396505664	-0.229981191	0.185737694	-0.636410081	-1.41444944	-1.00718779	-1.767679756
ENSG00000188493	1.53E-05	0.007447584	-1.188015022	-2.278390477	C19orf54	protein_coding	chromosome 19 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:24754]	chr19	40740856	40751553	-1	ensembl_havana	1.447085423	5.068859933	3.876844912	5.076899593	5.026777573	5.090920635	3.942194775	3.836638454	3.857107507
ENSG00000142621	1.16E-05	0.007447584	-1.240038894	-2.362049001	FHAD1	protein_coding	forkhead associated phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:HGNC:29406]	chr1	15247272	15400283	1	ensembl_havana	2.877665775	3.497685222	2.257646327	3.44832903	3.503197858	3.541528776	2.254470464	2.256618822	2.261846697
ENSG00000170476	1.29E-05	0.007447584	-1.438496592	-2.710382738	MZB1	protein_coding	marginal zone B and B1 cell specific protein [Source:HGNC Symbol;Acc:HGNC:30125]	chr5	139387480	139390081	-1	ensembl_havana	5.692861058	6.412109954	4.973631362	6.528822776	6.246642252	6.461064836	4.976081394	4.884043597	5.080713097
ENSG00000165029	1.58E-05	0.007447584	-1.544072277	-2.916162828	ABCA1	protein_coding	ATP binding cassette subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:29]	chr9	104781002	104928237	-1	ensembl_havana	1.220813342	1.98084898	0.436777703	2.602259737	1.688878845	1.651412359	0.915012722	0.256279753	0.139040636
ENSG00000205744	1.43E-05	0.007447584	-1.645932768	-3.125501284	DENND1C	protein_coding	DENN domain containing 1C [Source:HGNC Symbol;Acc:HGNC:26225]	chr19	6467207	6482557	-1	ensembl_havana	2.747999795	3.570966179	1.925033411	3.97580247	3.380099332	3.357002135	2.294679948	1.614107429	1.866312856
ENSG00000198734	1.67E-05	0.007447584	-1.819100596	-3.528633507	FS	protein_coding	ankyrin repeat and SOCS box containing 4 [Source:HGNC Symbol;Acc:HGNC:3542]	chr1	169514166	169586588	-1	ensembl_havana	1.481769398	2.391324736	0.57221514	2.497167113	2.29082961	2.385977285	0.540060475	0.671430284	0.505154661
ENSG00000099337	1.62E-05	0.007447584	-1.829781995	-3.554831515	KCNK6	protein_coding	potassium two pore domain channel subfamily K member 6 [Source:HGNC Symbol;Acc:HGNC:6281]	chr19	38319844	38332076	1	ensembl_havana	1.122807854	2.037698852	0.207916856	2.023178671	2.021022296	2.068895587	0.032074365	0.163140205	0.428535999
ENSG00000228607	1.32E-05	0.007447584	-1.906262623	-3.744368064	CLDN25	protein_coding	claudin 25 [Source:HGNC Symbol;Acc:HGNC:37218]	chr11	113779747	113780500	-1	ensembl_havana	3.019754192	3.972885504	2.066622881	3.950266431	3.980970421	3.987419659	1.841901733	2.179444752	2.178522159
ENSG00000144366	1.42E-05	0.007447584	-2.004380682	-4.012164288	GULP1	protein_coding	GULP, engulfment adaptor PTB domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18649]	chr2	18829169	18855931	1	ensembl_havana	1.776410239	2.77860058	0.774218898	2.781446624	2.592024241	2.962332875	0.894226935	0.693803314	0.734629445
ENSG00000166199	1.48E-05	0.007447584	-2.305097016	-4.942006868	ALKBH3	protein_coding	alkB homolog 3, alpha-ketoglutarate-dependent dioxygenase [Source:HGNC Symbol;Acc:HGNC:30161]	chr11	43888011	43920266	1	ensembl_havana	-0.065345423	1.087203085	-1.21789393	1.516132283	1.062111262	0.683365711	-0.97139419	-1.32958732	-1.352700279
ENSG00000213626	1.96E-05	0.008036359	-1.218675785	-2.327329993	LBH	protein_coding	limb bud and heart development [Source:HGNC Symbol;Acc:HGNC:29532]	chr2	30231531	30323730	1	ensembl_havana	3.407403361	4.010741254	2.798005469	3.97580247	3.942327796	4.132093496	2.675796091	2.726970195	2.99143012
ENSG00000160862	1.92E-05	0.008036359	-1.237654446	-2.358148293	BATF2	protein_coding	basic leucine zipper ATF-like transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:25163]	chr11	64987943	64997045	-1	ensembl_havana	1.665922841	2.284750064	1.047095618	2.183196095	2.488543365	2.182510732	0.955760889	1.163381334	1.022198632
ENSG00000211890	1.94E-05	0.008036359	-1.524025836	-2.875924568	IGHA2	IG_C_gene	immunoglobulin heavy constant alpha 2 (A2m marker) [Source:HGNC Symbol;Acc:HGNC:5476]	chr14	105583731	105588395	-1	havana	2.896574144	3.658587062	2.134561226	3.625980797	3.678012323	3.671768066	2.170524752	1.993561814	2.239597111
ENSG00000228815	2.22E-05	0.008663711	1.506971152	2.842127256	MARK2P13	processed_pseudogene	microtubule affinity regulating kinase 2 pseudogene 13 [Source:HGNC Symbol;Acc:HGNC:39804]	chr7	36109024	36110872	-1	havana	0.108982979	-0.644502597	0.862468556	-1.23095973	-0.842251242	0.139703184	0.36983092	0.737534657	1.480400089
ENSG00000253303	2.23E-05	0.008663711	-1.078005918	-2.111116096	IGHV3II-82	IG_V_pseudogene	immunoglobulin heavy variable (III)-82 (pseudogene) [Source:HGNC Symbol;Acc:HGNC:5709]	chr14	106879563	106879812	-1	havana	-0.573905341	-0.034902382	-1.1129083	0.206379087	-0.258437325	-0.052642908	-0.82634296	-1.32958732	-1.182796618
ENSG00000227507	2.37E-05	0.008958192	-1.806782385	-3.498611291	LTB	protein_coding	lymphotoxin beta [Source:HGNC Symbol;Acc:HGNC:6711]	chr6	31580525	31582522	-1	ensembl_havana	0.45769101	1.361082202	-0.445700183	1.268150092	1.284372232	1.530724282	-0.30988669	-0.62862566	-0.398588198
ENSG00000103888	2.78E-05	0.009297275	1.728129059	3.312979001	CEMIP	protein_coding	cell migration inducing hyaluronan binding protein [Source:HGNC Symbol;Acc:HGNC:29213]	chr15	80779343	80951776	1	ensembl_havana	0.269695657	-0.594368873	1.133760187	-1.41179303	-0.569826728	0.198531345	0.457455004	0.241096536	1.70242902
ENSG00000236453	2.68E-05	0.009297275	1.330220881	2.518055601	lincRNA	lincRNA	[Source:HGNC Symbol;Acc:HGNC:49026]	chr7	94022833	94066661	1	havana	1.163682856	0.499582415	1.881761297	0.004830787	0.570531912	0.911424546	1.881485364	2.002555439	2.100573087
ENSG00000044524	2.76E-05	0.009297275	1.026783668	2.037476851	EPHA3	protein_coding	EPH receptor A3 [Source:HGNC Symbol;Acc:HGNC:3387]	chr3	89107524	89482134	1	ensembl_havana	1.917419484	1.40402765	2.430811318	1.206734491	1.364499946	1.640848515	2.246292314	2.433220573	2.612921068
ENSG00000038945	2.60E-05	0.009297275	-1.062896869	-2.089122179	MSR1	protein_coding	macrophage scavenger receptor 1 [Source:HGNC Symbol;Acc:HGNC:7376]	chr8	16107878	16567490	-1	ensembl_havana	0.863250632	1.396699067	0.331802198	1.283104003	1.464851682	1.436141515	0.276538753	0.343769191	0.375098651
ENSG00000268655	2.67E-05	0.009297275	-1.587004049	-3.002428285	AC008687.4	protein_coding	plexin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23697]	chr19	49017496	49020523	-1	havana	0.430772428	1.224274452	-0.362729596	1.749374982	1.029710695	0.89373768	0.308311185	-0.76412246	-0.652327512
ENSG00000019144	2.86E-05	0.009329018	-0.996881989	-1.995682186	PHLDB1	protein_coding	pleckstrin homology like domain family B member 1 [Source:HGNC Symbol;Acc:HGNC:26207]	chr11	118606440	118658038	1	ensembl_havana	4.818723342	5.317164337	4.320282348	5.563099455	5.315060343	5.073330212	4.606043821	4.277220992	4.07758223
ENSG00000165130	3.35E-05	0.009830711	1.010002088	2.013914014	CYP46A1	protein_coding	cytochrome P450 family 46 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2641]	chr14	99684304	99727301	1	ensembl_havana	0.69115804	0.186156996	1.196159084	0.004630787	0.298820819	0.255019383	1.071324589	1.315408538	1.201746126
ENSG00000114805	3.27E-05	0.009830711	-1.072843675	-2.103575611	PLCH1	protein_coding	phospholipase C eta 1 [Source:HGNC Symbol;Acc:29185]	chr3	155375580	155745067	-1	ensembl_havana	-0.011730507	0.524691331	-0.548152344	0.004630787	0.054818659	0.911424546	-1.13267621	-0.32890884	-0.182871985
ENSG00000150457	3.27E-05	0.009830711	-1.117722349	-2.170041073	LATS2	protein_coding	large tumor suppressor kinase 2 [Source:HGNC Symbol;Acc:HGNC:6515]	chr13	20973032	21061547	-1	ensembl_havana	1.031940393	1.590801568	0.473079219	1.802235788	1.558674763	1.411494153	0.785555375	0.37179175	0.261892331
ENSG00000158805	3.16E-05	0.009830711	-1.182599608	-2.269854163	SLC5A11	protein_coding	solute carrier family 5 member 11 [Source:HGNC Symbol;Acc:HGNC:23091]	chr16	24845841	24911628	1	ensembl_havana	4.68045697	5.271756774	4.089157166	5.413135017	4.953104706	5.449031232	4.111831997	3.81128221	4.342357293
ENSG00000137868	3.29E-05	0.009830711	-1.296801799	-2.456836411	STRA6	protein_coding	stimulated by retinoic acid 6 [Source:HGNC Symbol;Acc:HGNC:30650]	chr15	74179466	74212267	1	ensembl_havana	4.080848342	4.729249241	3.432447443	4.785479275	4.559523199	4.842745249	3.452619495	3.406428015	3.438294818
ENSG00000160117	3.70E-05	0.010618634	-0.911006416	-1.880356767	ANKLE1	protein_coding	ankyrin repeat and LEM domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28812]	chr19	17281645	17287646	1	ensembl_havana	3.978418855	4.433922063	3.532915647	4.305543488	4.452053589	4.545683113	3.416632027	3.542087686	3.610027229
ENSG00000198759	4.65E-05	0.010886609	1.545439084	2.918928929	EGFL6	protein_coding	EGF like domain multiple 6 [Source:HGNC Symbol;Acc:HGNC:3235]	chrX	13569605	13633575	1	ensembl_havana	0.001115758	-0.771581964	0.77385712	-1.73427603	-0.18205577	-0.399314092	-0.40973604	1.529532373	1.201746126
ENSG00000155719	4.74E-05	0.010886609	1.366460874	2.578381523	OTOA	protein_coding	otoancorin [Source:HGNC Symbol;Acc:HGNC:16378]	chr16	21663971	21761935	1	ensembl_havana	-0.4255257	-1.108759137	0.257707737	-1.51148723	-1.178380898	-0.636410081	0.018207495	0.161140205	0.577380642
ENSG00000105383	5.27E-05	0.010886609	1.028145494	2.039401027	CD33	protein_coding	CD33 molecule [Source:HGNC Symbol;Acc:HGNC:1659]	chr19	51225064	51243860	-1	ensembl_havana	-0.048373977	-0.562446724	0.46568877	-0.4596317	-0.783495335	-0.444231135	0.457455004	0.315191528	0.624449778
ENSG00000178498	4.57E-05	0.010886609	-0.883457395	-1.844791019	DTX3	protein_coding	[Source:HGNC Symbol;Acc:24457]	chr12	57604622	57609804	1	ensembl_havana	4.606047531	5.047776228	4.164318834	5.166318578	5.090012847	4.88699726	4.263156055	4.247280137	3.982520308
ENSG00000260219	4.59E-05	0.010886609	-0.901297311	-1.867744756	AC106782.2	lincRNA	UDP-glucuronosyltransferase family 2 member B17 [Source:HGNC Symbol;Acc:HGNC:12547]	chr16	30355441	30357104	1	havana	1.023151422	1.473800078	0.572502766	1.369711653	1.464851682	1.586838698	0.428834256	0.554044597	0.734629445
ENSG00000197888	4.44E-05	0.010886609	-0.967640866	-1.955640063	UGT2B17	protein_coding	[Source:HGNC Symbol;Acc:HGNC:44201]	chr4	68537184	68568527	-1	ensembl_havana	5.144643772	5.628464204	4.660823339	5.700326094	5.519935527	5.665130992	4.709312628	4.628484954	4.644307848
ENSG00000111186	5.31E-05	0.010886609	-1.002598151	-2.003605047	WNT5B	protein_coding	G protein-coupled receptor 160 [Source:HGNC Symbol;Acc:HGNC:23693]	chr12	1529891	1647243	1	ensembl_havana	5.917278223	6.418577298	5.305763976	6.37922223	6.345246552	6.537091883	5.445599007		
ENSG00000198888	4.44E-05	0.010886609	-0.967640866	-1.955640063	UGT2B17	protein_coding	ADP ribosylation factor like GTPase 14 effector protein like [Source:HGNC Symbol;Acc:HGNC:24457]	chr4	68537184	68568527	-1	ensembl_havana	5.144643772	5.628464204	4.660823339	5.700326094	5.519935527	5.665130992	4.709312628	4.628484954	4.644307848
ENSG00000167890	4.70E-05	0.010886609	-1.021269548	-2.029704281	GPR160	protein_coding	solute carrier family 23 member 1 [Source:HGNC Symbol;Acc:HGNC:23693]	chr5	11603234	11606018	1	ensembl_havana	6.13206978	6.63747824	5.62666132	6.90481905	6.65283618	6.354786635	5.830955513	5.666819163	5.409509284
ENSG00000174842	4.18E-05	0.010886609	-1.083054639	-2.115582048	SLC23A1	protein_coding	[Source:HGNC Symbol;Acc:HGNC:10974]	chr5	139367196	139384553	-1	ensembl_havana	1.118456574	1.685983894	0.577929255	1.956364665	1.51252579	1.910814126	0.457455004	0.343769191	0.932563571
ENSG00000135525	5.00E-05	0.010886609	-1.196481459	-2.291800493	MAP7	protein_coding	microtubule associated protein 7 [Source:HGNC Symbol;Acc:HGNC:6865]	chr6	136342281	136550819	-1	ensembl_havana	2.614265602	3.212506332	2.016024873	3.283361026	3.033096853	3.321061127	2.062883947	1.715999071	2.2691916
ENSG00000065882	5.27E-05	0.010886609	-1.229036525	-2.344103912	TBC1D1	protein_coding	TBC1 domain family member 1 [Source:HGNC Symbol;Acc:HGNC:11578]	chr4	37891087	38139175	1	ensembl_havana	0.83131892	1.445837182	0.216800657	1.671956805	1.636045198	1.029509544	0.276538753	0.478736765	-0.104873545
ENSG00000224655	4.52E-05	0.010886609	-1.30491324	-2.470688689	LINC01823	lincRNA	long intergenic non-protein coding RNA 1823 [Source:HGNC Symbol;Acc:HGNC:52623]	chr2	121790444	121796702	1	havana	2.335214197	2.987670817	1.682757577	3.435000789	2.698916685	2.829049977	1.976531838	1.541948597	1.529792296
ENSG00000110777	5.15E-05	0.010886609	-1.351684845	-2.552099974	POU2AF1	protein_coding	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC:9211]	chr11	111352252	111455630	-1	ensembl_havana	2.994626664	3.670469086	2.318784241	3.880693918	3.446030999	3.684682345	2.466446406	1.966251876	2.523654441
ENSG00000167460	3.88E-05	0.010886609	-1.420910025	-2.677543521	TPM4	protein_coding	tropomyosin 4 [Source:HGNC Symbol;Acc:HGNC:12013]	chr19	16067021	16103005	-1	ensembl_havana	6.846380092	7.556635105	6.13572508	7.827295495	7.556434295	7.310675524	6.570977375	6.034252892	5.801949973
ENSG00000123560	5.28E-05	0.010886609	-1.647978761	-3.133942611	PLP1	protein_coding	proteolipid protein 1 [Source:HGNC Symbol;Acc:HGNC:9086]	chrX	103773718	103792619	1	ensembl_havana	0.287388903	1.111378284	-0.536600478	1.565895203	1.214022341	0.554217307	0.106248156	-0.68524259	-1.030806998
ENSG00000143851	3.99E-05	0.010886609	-1.875780061	-3.669999995	PTPN7	protein_coding	protein tyrosine phosphatase, non-receptor type 7 [Source:HGNC Symbol;Acc:HGNC:9659]	chr1	202147013	202161588	-1	ensembl_havana	1.505422461	2.443312491	0.56753243	3.013447502	2.344503139	1.971086832	0.955706889	0.37179175	0.375098651
ENSG00000106034	5.18E-05	0.010886609	-1.909200233	-3.756008254	CPED1	protein_coding	cadherin like and PC esterase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26159]	chr7	120988077	121297444	1	ensembl_havana	0.331986194	1.280586311	-0.622613922	1.516132283	1.062111262	1.281515389	-0.26243933	-1.15951152	-0.445809917
ENSG00000107165	4.96E-05	0.010886609	-1.910239188	-3.758714111	TYRP1	protein_coding	tyrosinase related protein 1 [Source:HGNC Symbol;Acc:HGNC:12455]	chr9	12685439	12710290	1	ensembl_havana	-0.103072114	-0.07595252	-1.986191708	0.10902545	0.06303108	-0.399314092	-2.0571346	-1.87077278	-2.030667746
ENSG00000102024	4.45E-05	0.010886609	-2.482650832	-5.589231893	PLS3	protein_coding	plastin 3 [Source:HGNC Symbol;Acc:HGNC:9091]	chrX	115561174	115650861	1	ensembl_havana	1.716312134	2.957637151	0.037173367	2.260485508	2.076189844	2.602150945	0.106020565		
ENSG00000117115	5.79E-05	0.010898897	0.999145326	1.998815521	PADI2	protein_coding	peptidyl arginine deiminase 2 [Source:HGNC Symbol;Acc:HGNC:18341]	chr1	17066761	17119435	-1	ensembl_havana	1.262123848	0.762551185	1.76168651	0.464289132	0.699804047	1.123560375	1.509002189	1.590453245	2.194034997
ENSG00000104998	5.87E-05	0.010898897	-0.81184914	-1.755460221	IL27RA	protein_coding	interleukin 27 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:17290]	chr19	14031748	14053216	1	ensembl_havana	5.563215729	5.969140299	5.157291159	6.117628764	5.85881444	5.930978693	5.323765864	5.029304794	5.118802818
ENSG00000280208	5.75E-05	0.010898897	-0.848972484	-1.801217605	GGT4P	unprocessed_pseudogene	gamma-glutamyltransferase 4 pseudogene [Source:HGNC Symbol;Acc:HGNC:33207]	chr13	18253526	18270822	-1	havana	4.261394811	4.685881053	3.836908569	4.959631449	4.604215712	4.493795999	4.125025993	3.707901612	3.677798104
ENSG00000163219	5.65E-05	0.010898897	-0.935622119	-1.912715259	ARHGAP25	protein_coding	Rho GTPase activating protein 25 [Source:HGNC Symbol;Acc:HGNC:29051]	chr2	68679601	68826833	1	ensembl_havana	6.073424642	6.541235702	5.605615383	6.824356258	6.376331214	6.423037634	5.832621987	5.415537248	5.572681514
ENSG00000141449	6.00E-05	0.010898897	-1.01319057	-2.018369863	GREB1	protein_coding	growth regulation by estrogen in breast cancer 1 like [Source:HGNC Symbol;Acc:HGNC:31042]	chr18	21242242	21525417	1	ensembl_havana	0.906941925	1.41353921	0.40034864	1.738566362	1.029710695	1.472340574	0.618191201	0.02879206	0.554082661
ENSG00000246273	5.92E-05	0.010898897	-1.031499706	-2.044148074	SBF2-AS1	antisense	SBF2 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:27438]	chr11	9758292	9811319	1	havana	2.554352988	3.070102841	2.038603135	2.964197743	3.241966183	3.004144598	1.831005931	2.203033505	2.08176997
ENSG00000104921	6.07E-05	0.010898897	-1.253611685	-2.384375882	FCER2	protein_coding	Fc fragment of IgE receptor II [Source:HGNC Symbol;Acc:HGNC:3612]	chr19	7688758	7702146	-1	ensembl_havana	8.884998322	9.511804165	8.258192479	9.712259115	9.280577616	9.542557763	8.276565503	8.101435625	8.39657631
ENSG00000133106	5.88E-05	0.010898897	-1.369915538	-2.584554345	EPSTI1	protein_coding	epithelial stromal interaction 1 [Source:HGNC Symbol;Acc:HGNC:30655]	chr13	42886388	42992271	-1	ensembl_havana	4.966365404	5.651323173	4.281407635	5.73947847	5.743675159	5.470815888	4.482676951	4.165594683	4.195951269
ENSG00000225783	6.01E-05	0.010898897	-1.485697222	-2.800524835	MIAT	lincRNA	myocardial infarction associated transcript (non-protein coding) [Source:HGNC Symbol;Acc:HGNC:33425]	chr22	26646428	26676475	1	havana	5.593754732	6.336603343	4.850905121	6.788935143	6.462623886	6.771



ENSG00000227906	0.006339	0.038886791	0.444419618	1.36076583	**SNAP25-AS1**	antisense	SNAP25 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:46312]	chr20	10021978	10368776	-1	havana	1.022038838	0.799829029	1.24424847	1.142587728	0.636663181	0.620236179	1.386165364	1.114463419	1.232171557
ENSG00000117586	0.006349	0.038914036	0.713027935	1.639240955	**TNFSF4**	protein_coding	TNF superfamily member 4 [Source:HGNC Symbol;Acc:HGNC:11934]	chr1	173183734	173207313	-1	ensembl_havana	0.65115882	0.294644853	1.007672788	0.10902545	0.243386951	0.531522158	0.955706889	1.220694826	0.856616648
ENSG00000196810	0.006349	0.038914036	-0.312813004	-1.242127272	**CTEP1-AS2**	antisense	CTEP1 antisense RNA 2 (head to head) [Source:HGNC Symbol;Acc:HGNC:28307]	chr4	1249300	1288291	1	ensembl_havana	4.205047405	4.361453907	4.048640903	4.399456317	4.281963521	4.402941884	3.991055622	4.059754229	4.094212859
ENSG00000011590	0.006359	0.038958718	-0.47761777	-1.392642516	**ZBTB32**	protein_coding	zinc finger and BTB domain containing 32 [Source:HGNC Symbol;Acc:HGNC:16763]	chr19	35704527	35717038	1	ensembl_havana	4.507199124	4.746008009	4.266390239	5.047643285	4.602838627	4.587540916	4.372398576	4.340627656	4.092144484
ENSG00000159164	0.006371	0.038985618	0.595974159	1.511492855	**SV2A**	protein_coding	synaptic vesicle glycoprotein 2A [Source:HGNC Symbol;Acc:HGNC:20566]	chr1	149903318	149917882	-1	ensembl_havana	0.713069209	0.41508213	1.011056289	0.727424294	0.15602554	0.361796557	1.178360195	0.578298274	1.276510397
ENSG00000184844	0.006372	0.038985618	0.35657007	1.280378246	**COMMD3**	protein_coding	COMM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:23332]	chr10	22315974	22320308	1	ensembl_havana	4.148603862	3.970318827	4.326888897	3.961920783	4.06530755	3.883719146	4.299179827	4.304737198	4.376749666
ENSG00000165240	0.006387	0.038985618	0.264756824	1.201435523	**ATP7A**	protein_coding	ATPase copper transporting alpha [Source:HGNC Symbol;Acc:HGNC:869]	chrX	77910656	78050305	1	ensembl_havana	5.550041233	5.417662811	5.682410635	5.623096139	5.302401766	5.327490528	5.849391799	5.57111489	5.626552217
ENSG00000165185	0.006377	0.038999211	0.315290991	1.244262596	**KIAA1958**	protein_coding	KIAA1958 [Source:HGNC Symbol;Acc:HGNC:23427]	chr9	112486847	112669397	1	ensembl_havana	3.598824053	3.441178558	3.756469549	3.257093797	3.436769925	3.629647951	3.87911428	3.721576939	3.868717429
ENSG00000188385	0.006399	0.039036662	0.510445683	1.424490187	**JAKMIP3**	protein_coding	Janus kinase and microtubule interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:23523]	chr10	13210471	13216809	1	ensembl_havana	0.763191412	0.50796857	1.018414253	0.540941683	0.428746719	0.554217307	0.873137292	1.195095435	0.987010332
ENSG00000165698	0.006396	0.039036662	0.508701015	1.422768575	**SPACA9**	protein_coding	sperm acrosome associated 9 [Source:HGNC Symbol;Acc:HGNC:13807]	chr9	132878027	132890201	1	ensembl_havana	2.202203247	1.947852739	2.456553754	1.863213701	1.827267088	2.153077428	2.386842807	2.55432044	2.428488016
ENSG00000227192	0.006399	0.039036662	0.367164809	1.280994406	**USP27X**	protein_coding	ubiquitin specific peptidase 27, X-linked [Source:HGNC Symbol;Acc:HGNC:13486]	chrX	49879948	49882565	1	ensembl_havana	3.058606868	2.874924463	3.242280272	2.547577338	2.881317417	2.995878633	3.063307783	3.329027104	3.33161293
ENSG00000205485	0.006405	0.039036662	0.283117716	1.21158142	**AC004980.1**	transcribed_unprocessed_pseudogene		chr7	76549360	76627982	1	havana	2.203436132	1.862850274	2.13402199	1.821579944	1.891786955	2.184187727	2.161855151	2.155463891	2.114746929
ENSG00000071205	0.006394	0.039036662	0.270226052	1.205996777	**ARHGAP10**	protein_coding	Rho GTPase activating protein 10 [Source:HGNC Symbol;Acc:HGNC:26009]	chr4	147732063	148072780	1	ensembl_havana	4.455616681	4.320505655	4.590731707	4.17132759	4.290535124	4.469565252	4.459874178	4.595074467	4.717249177
ENSG00000254986	0.006402	0.039036662	-0.296620916	-1.222826498	**DPP3**	protein_coding	dipeptidyl peptidase 3 [Source:HGNC Symbol;Acc:HGNC:3008]	chr11	66480013	66509657	1	ensembl_havana	5.47816879	5.632647948	5.329858332	5.736086625	5.553797118	5.589554376	5.375299268	5.344181374	5.270094353
ENSG00000069702	0.006397	0.039036662	-0.377381772	-1.2589823	**TGFBR3**	protein_coding	transforming growth factor beta receptor 3 [Source:HGNC Symbol;Acc:HGNC:11774]	chr1	91680343	91906335	1	ensembl_havana	3.768251761	3.956942647	3.579560875	4.161245498	3.919787773	3.79360367	3.776031227	3.399638609	3.563010788
ENSG00000228382	0.006402	0.039036662	-0.488653049	-1.403134249	**ITPKB-IT1**	sense_intronic	ITPKB intronic transcript 1 [Source:HGNC Symbol;Acc:HGNC:41349]	chr1	226656640	226675067	-1	havana	-0.173307798	0.070108726	-0.417634323	0.355307344	-0.34076431	0.198513145	-0.35894771	-0.62862566	-0.265329594
ENSG00000147010	0.006408	0.039043221	-0.26390726	-1.200726239	**SH3KBP1**	protein_coding	SH3 domain containing kinase binding protein 1 [Source:HGNC Symbol;Acc:HGNC:13807]	chrX	19533975	19887601	-1	ensembl_havana	7.065634994	7.197588624	6.931681364	7.172623381	7.171817985	7.248324504	6.880994601	6.944180195	6.971892295
ENSG00000224597	0.006415	0.039051372	0.40184341	1.321194995	**SVIL-AS1**	transcribed_unprocessed_pseudogene	SVIL antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:51219]	chr10	29409402	29487745	1	havana	4.255509726	4.054588021	4.456431431	3.770935591	4.143059837	4.249734786	4.328527411	4.552860279	4.487906603
ENSG00000190856	0.006421	0.039051372	-0.417538582	-1.319566829	**ZNF236**	protein_coding	zinc finger protein 236 [Source:HGNC Symbol;Acc:HGNC:13028]	chr18	76822607	76970727	1	ensembl_havana	4.662218796	4.870988087	4.453449506	4.753623874	4.813769905	5.045570483	4.511965697	4.384270467	4.464123353
ENSG00000229043	0.006414	0.039051372	-0.523027836	-1.436967902	**AC091729.3**	antisense		chr7	1160374	1165267	1	havana	2.700880408	2.962934326	2.43936649	2.797156021	3.065422305	3.024604652	2.521699999	2.322713072	2.47368
ENSG00000155974	0.00642	0.039051372	-0.650459789	-1.569668372	**GRIP1**	protein_coding	glutamate receptor interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:18708]	chr12	66347431	67069162	-1	ensembl_havana	2.701911352	3.027141246	2.376681457	2.959551034	2.841068927	2.780803777	2.034670322	2.523424442	2.571949608
ENSG00000105289	0.00643	0.039094538	-0.665204999	-1.58579359	**TJP3**	protein_coding	tight junction protein 3 [Source:HGNC Symbol;Acc:HGNC:11829]	chr19	3708109	3750813	1	ensembl_havana	1.267797082	1.603099582	0.995194583	1.237769075	1.592342839	1.971086832	0.935503283	0.779979312	1.090101154
ENSG00000167113	0.006435	0.039104814	0.263824127	1.198993741	**COQ4**	protein_coding	coenzyme Q4 [Source:HGNC Symbol;Acc:HGNC:19693]	chr9	128322536	128334072	1	ensembl_havana	4.936236655	4.805324592	5.067148719	4.6919302	4.780079228	4.943964547	4.956165102	5.072632715	5.172484341
ENSG00000105953	0.006441	0.039107667	0.26710576	1.20339124	**OGDH**	protein_coding	oxoglutarate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:8124]	chr7	44608572	44709066	1	ensembl_havana	7.247935881	7.114383001	7.381488761	7.105855416	7.006790484	7.170588603	7.389356751	7.365253008	7.389856525
ENSG00000120802	0.006439	0.039107667	-0.287294733	-1.220349794	**TMPO**	protein_coding	thymopoietin [Source:HGNC Symbol;Acc:HGNC:11875]	chr12	98515512	98550379	1	ensembl_havana	7.263369517	7.406816883	7.71952215	7.362348958	7.440886079	7.417226213	7.047911839	7.102479282	7.208175329
ENSG00000176142	0.006444	0.039110401	-0.29751457	-1.229025262	**TMEM39A**	protein_coding	transmembrane protein 39A [Source:HGNC Symbol;Acc:HGNC:25602]	chr3	119429500	119468830	-1	ensembl_havana	6.181713911	6.330471196	6.032956627	6.525875139	6.357090651	6.105828798	6.149500965	6.060854758	5.888514156
ENSG00000168703	0.006465	0.039187542	0.703098847	1.627997909	**WFDC12**	protein_coding	WAP four-disulfide core domain 12 [Source:HGNC Symbol;Acc:HGNC:16115]	chr20	45123425	45124465	-1	ensembl_havana	0.619613722	0.268064299	0.971163146	-0.61730533	0.77991046	0.641587769	0.457455004	1.399485086	1.056549347
ENSG00000140941	0.00646	0.039187542	0.356025311	1.278694868	**MAP1LC3B**	protein_coding	microtubule associated protein 1 light chain 3 beta [Source:HGNC Symbol;Acc:HGNC:13352]	chr16	87383995	87404779	1	ensembl_havana	7.09243253	6.914419874	7.270445185	6.916847027	7.067952007	6.758460589	7.340254328	7.275855703	7.195225524
ENSG00000173517	0.006468	0.039187542	0.279907697	1.214117203	**PEAK1**	protein_coding	pseudopodium-enriched atypical kinase 1 [Source:HGNC Symbol;Acc:HGNC:29431]	chr15	97100656	97420144	-1	ensembl_havana	6.583609464	6.443655616	6.723563313	6.405477621	6.399479543	6.526009684	6.65407813	6.749247663	6.767364145
ENSG00000161204	0.006467	0.039187542	0.255350494	1.193625692	**ABCF3**	protein_coding	ATP binding cassette subfamily F member 3 [Source:HGNC Symbol;Acc:HGNC:72]	chr3	184188023	184194012	1	ensembl_havana	6.572040649	6.444365402	6.699715895	6.380925847	6.448943	6.503227358	6.638939196	6.689616426	6.770601064
ENSG00000083817	0.00647	0.039235322	0.263144638	1.198595313	**ZNF416**	protein_coding	zinc finger protein 416 [Source:HGNC Symbol;Acc:HGNC:28645]	chr19	57571566	57578927	-1	ensembl_havana	3.230452714	3.099780395	3.361125033	3.040984517	3.131799381	3.126557287	3.32252843	3.409810774	3.351035895
ENSG00000185686	0.006483	0.039245517	-0.273048377	-1.208358362	**PRAME**	protein_coding	preferentially expressed antigen in melanoma [Source:HGNC Symbol;Acc:HGNC:9356]	chr22	22547701	22559361	-1	ensembl_havana	8.85424612	8.988935008	8.715901931	9.163126857	8.987984793	8.815553476	8.887769143	8.664352339	8.59558431
ENSG00000100023	0.00648	0.039245579	0.342197919	1.26768642	**PPIL2**	protein_coding	peptidylprolyl isomerase like 2 [Source:HGNC Symbol;Acc:HGNC:9261]	chr22	21666009	21700015	1	ensembl_havana	5.236799631	5.005700672	5.407898591	4.87949281	5.107582415	5.21002679	5.35832518	5.378252536	5.487118232
ENSG00000260339	0.006486	0.039246579	-0.292453209	-1.224721067	**HEXA-AS1**	antisense	HEXA antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:25810]	chr15	72376113	72378788	1	havana	0.984501107	1.130727711	0.83827452	1.04068047	1.138282095	1.013220568	0.692307165	1.130954377	0.691561964
ENSG00000228789	0.006495	0.039246741	1.34603896	2.542132029	**HCG22**	lincRNA	HLA complex group 22 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:27780]	chr6	31053450	31053890	1	ensembl_havana	-1.065243963	-1.738263443	-0.392224482	-1.618585837	-1.617400645	-1.978804318	-1.04978262	0.225896484	-0.352787316
ENSG00000167114	0.006496	0.039246741	0.403030609	1.347514324	**SLC27A4**	protein_coding	solute carrier family 27 member 4 [Source:HGNC Symbol;Acc:HGNC:10998]	chr9	128340646	128361470	1	ensembl_havana	5.298630842	5.083480538	5.513781147	4.900251775	5.106611921	5.243577917	5.52139269	5.510961271	5.508989479
ENSG00000151687	0.006495	0.039246741	-0.311344864	-1.24086388	**ANKAR**	protein_coding	ankyrin and armadillo repeat containing [Source:HGNC Symbol;Acc:HGNC:26350]	chr2	18967290	18976193	1	ensembl_havana	2.11368513	2.269357562	1.958012698	2.305416943	2.242169235	2.260486508	1.936429043	1.881076089	2.056532963
ENSG00000109066	0.006501	0.039259043	0.308725115	1.238162675	**TMEM106**	protein_coding	transmembrane protein 106 [Source:HGNC Symbol;Acc:HGNC:25984]	chr17	74776483	74839779	1	ensembl_havana	4.953697978	4.799375421	5.108069536	4.718301125	4.896954887	4.782752505	5.119541749	5.202160994	5.020478865
ENSG00000047365	0.006507	0.039260788	0.436681588	1.353487522	**ARAP2**	protein_coding	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2 [Source:HGNC Symbol;Acc:HGNC:16924]	chr4	35948221	36244509	-1	ensembl_havana	4.181237059	3.962896265	4.399577853	4.185325188	3.99572295	3.707640658	4.572093026	4.279071824	4.347568708
ENSG00000267577	0.006507	0.039260788	-0.778565559	-1.715424415	**EML2-AS1**	processed_transcript	EML2 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:48331]	chr19	45641494	45642840	1	ensembl_havana	0.821123524	1.210406303	0.431840744	1.397462791	0.979703225	1.254052895	0.668022463	0.554044597	0.073455173
ENSG00000160219	0.0052	0.039320605	-0.516040165	-1.4302047 98	**GAB3**	protein_coding	GRB2 associated binding protein 3 [Source:HGNC Symbol;Acc:HGNC:17515]	chrX	154675249	154751583	-1	ensembl_havana	3.713365488	3.97138557	3.455345406	4.041035185	4.0890869	3.784034626	3.467668833	3.375620869	3.523648515
ENSG00000168803	0.006532	0.039377016	-0.307253064	-1.237349504	**ADAL**	protein_coding	adenosine deaminase like [Source:HGNC Symbol;Acc:HGNC:31853]	chr15	43330657	43354555	1	ensembl_havana	5.022381563	5.177008095	4.869755031	5.096079309	5.224025191	5.210919784	4.804288604	4.820226792	4.984749696
ENSG00000183154	0.006545	0.039442434	-0.660318549	-1.583611328	**AC138356.1**	antisense		chr8	37734761	37737426	-1	havana	0.762242963	1.092402138	0.432083788	1.092533711	1.155161158	1.029599544	0.869617898	0.648704825	0.577390642
ENSG00000129480	0.006553	0.039458881	-0.286432281	-1.21962048	**DTD2**	protein_coding	D-tyrosyl-tRNA deacylase 2 (putative) [Source:HGNC Symbol;Acc:HGNC:30277]	chr14	31446036	31457510	-1	ensembl_havana	3.332229607	3.475445748	3.180013466	3.578281784	3.563853664	3.284201795	3.345679402	3.199187534	3.022173663
ENSG00000109805	0.006554	0.039458881	-0.32556497	-1.253155087	**NCAPG**	protein_coding	non-SMC condensin I complex subunit G [Source:HGNC Symbol;Acc:HGNC:24304]	chr4	17810902	17844862	1	ensembl_havana	6.847619907	7.010402392	6.684637422	6.777603931	7.162508828	7.091094416	6.573022354	6.791678237	6.689811674
ENSG00000257267	0.006558	0.039470413	0.310782789	1.240380533	**ZNF275P**	transcribed_unitary_pseudogene	zinc finger protein 275, pseudogene [Source:HGNC Symbol;Acc:HGNC:13065]	chr18	35292282	35328390	1	ensembl_havana	5.704866111	5.549474717	5.860257506	5.568446919	5.489733371	5.59024086	5.773384267	5.870818921	5.93656933
ENSG00000118515	0.006566	0.039497043	0.316647517	1.245433091	**SGK1**	protein_coding	serum/glucocorticoid regulated kinase 1 [Source:HGNC Symbol;Acc:HGNC:10810]	chr6	134169246	134318112	-1	ensembl_havana	7.314101913	7.155778154	7.472425671	7.339283007	7.241112645	6.88693881	7.580785447	7.521366961	7.315124605
ENSG00000103264	0.006568	0.039497043	0.29147587	1.223891673	**FBXO31**	protein_coding	F-box protein 31 [Source:HGNC Symbol;Acc:HGNC:16510]	chr16	87326987	87392142	1	ensembl_havana	4.537115184	4.391377249	4.682853119	4.456635069	4.371946913	4.345549764	4.826401234	4.656166367	4.565991757
ENSG00000185000	0.006575	0.039519407	0.305588047	1.2359223	**DGAT1**	protein_coding	diacylglycerol O-acyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:2843]	chr8	144314584	144326910	-1	ensembl_havana	4.32403933	4.171245307	4.476833354	4.270330414	4.085150794	4.158254713	4.659727159	4.297450705	4.471677197
ENSG00000107443	0.006578	0.03952148	0.376597822	1.298276633	**CCNJ**	protein_coding	cyclin J [Source:HGNC Symbol;Acc:HGNC:23434]	chr10	96043394	96060870	1	ensembl_havana	5.127064348	4.938765437	5.315366259	5.11918011	5.006109086	4.691007115	5.457297356	5.261406393	5.227386029
ENSG00000266094	0.006587	0.039506627	-0.282133231	-1.215991573	**RASSF5**	protein_coding	Ras association domain family member 5 [Source:HGNC Symbol;Acc:HGNC:17609]	chr1	206507530	206589448	1	ensembl_havana	6.661200338	6.802266954	6.520133723	6.996126692	6.796970968	6.613703188	6.682769183	6.471449601	6.406182385
ENSG00000179988	0.006596	0.039558796	0.310013468	1.239719273	**PSTK**	protein_coding	phosphoseryl-tRNA kinase [Source:HGNC Symbol;Acc:HGNC:28578]	chr10	122954381	122997513	1	ensembl_havana	3.23058905	3.077582317	3.385595784	3.207005484	3.057408593	2.962332875	3.41298341	3.396231887	3.347572056
ENSG00000158321	0.00661	0.039663061	0.483954763	1.396634739	**AUTS2**	protein_coding	AUTS2, activator of transcription and developmental regulator [Source:HGNC Symbol;Acc:HGNC:14262]	chr7	69598296	70793495	1	ensembl_havana	5.753748365	5.512770984	5.994725747	5.166318578	5.707874574	5.801207999	5.885697151	6.042993264	6.075486825
ENSG00000184402	0.006625	0.039736136	0.284759591	1.218207247	**SS18L1**	protein_coding	SS18L1, nBAF chromatin remodeling complex subunit [Source:HGNC Symbol;Acc:HGNC:15592]	chr20	62143795	62182484	1	ensembl_havana	5.617414718	5.475034922	5.759794514	5.40033356	5.550232366	5.474538864	5.620425101	5.906577754	5.752380686
ENSG00000260496	0.00663	0.039753277	1.129679743	2.188101622	**AC009041.1**	lincRNA		chr16	991151	1000926	-1	ensembl_havana	1.994836552	1.459996681	2.559676423	0.791576534	1.535784795	1.962628713	2.528460247	2.584568634	2.566000389
ENSG00000130592	0.006633	0.039755298	-0.543005104	-1.457004269	**LSP1**	protein_coding	lymphocyte-specific protein 1 [Source:HGNC Symbol;Acc:HGNC:6707]	chr11	1852970	1892267	1	ensembl_havana	3.274835078	3.546337631	3.003332526	3.088577264	3.756831958	3.79360367	2.798325219	3.206986221	3.004686139
ENSG00000119485	0.006641	0.039784676	0.292477582	1.224741757	**ZNF3D4**	protein_coding	zinc finger protein 304 [Source:HGNC Symbol;Acc:HGNC:13505]	chr19	57351307	57359898	1	ensembl_havana	3.443881174	3.292572383	3.585049965	3.369953701	3.373654145	3.134105303	3.581477135	3.674542048	3.496880712
ENSG00000225663	0.00666	0.039866292	0.83344227	1.783191984	**MCRIP1**	protein_coding	MAPK regulated corepressor interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:28807]	chr17	81822361	81833302	-1	ensembl_havana	3.755132333	3.338411198	4.171853469	3.092827025	3.363940242	3.558463237	4.372398576	4.118821469	4.024430361
ENSG00000111358	0.006659	0.039866292	-0.257424895	-1.195343199	**GTF2H3**	protein_coding	general transcription factor IIH subunit 3 [Source:HGNC Symbol;Acc:HGNC:4657]	chr12	123633739	123662606	1	ensembl_havana	5.307257517	5.435969964	5.178545069	5.425665585	5.451260379	5.429983664	5.118445708	5.214786604	5.182402895
ENSG00000152518	0.006664	0.039873129	-0.39023004	-1.310602387	**ZFP36L2**	protein_coding	ZFP36 ring finger protein like 2 [Source:HGNC Symbol;Acc:HGNC:1108]	chr2	43222402	43226609	-1	ensembl_havana	4.933210358	5.128331391	4.738101326	5.026693976	5.316739792	5.041560403	4.766187383	4.755228657	4.692887938
ENSG00000110200	0.006669	0.039886343	0.300716905	1.231756346	**ANAPC15**	protein_coding	anaphase promoting complex subunit 15 [Source:HGNC Symbol;Acc:HGNC:26531]	chr11	72106378	72112780	1	ensembl_havana	3.378910846	3.228552394	3.529269299	3.130521836	3.347606631	3.207531715	3.452619495	3.554366408	3.580321993
ENSG00000132003	0.006673	0.039893997	0.373762722	1.295727841	**ZSWIM4**	protein_coding	zinc finger SWIM-type containing 4 [Source:HGNC Symbol;Acc:HGNC:25704]	chr19	13795460	13832230	1	ensembl_havana	3.233477198	3.046595837	3.420358559	3.387357714	3.90944349	2.842986308	3.826276378	3.382529978	3.352275322
ENSG00000112290	0.006677	0.039898006	0.257808625	1.195661181	**WASF1**	protein_coding	WAS protein family member 1 [Source:HGNC Symbol;Acc:HGNC:12732]	chr6	110099819	110180004	-1	ensembl_havana	4.535265887	4.406361575	4.6641702	4.277815454	4.535209905	4.406064366	4.565534632	4.765827161	4.661148806
ENSG00000237765	0.006686	0.039903551	0.394798903	1.314759483	**FAM220B**	protein_coding	family with sequence similarity 200 member B [Source:HGNC Symbol;Acc:HGNC:27746]	chr4	15681662	15705565	1	ensembl_havana	3.253834736	3.060985284	3.455784187	3.014347502	3.176888527	2.99127823	3.32252843	3.475851809	3.568972322
ENSG00000164068	0.006688	0.039903551	0.361306184	1.284588409	**RNF123**	protein_coding	ring finger protein 123 [Source:HGNC Symbol;Acc:HGNC:21148]	chr3	49689499	49721529	1	ensembl_havana	6.034243972	5.85359088	6.214897064	5.798562512	5.726720974	6.035489153	6.267341369	6.131705472	6.245644351
ENSG00000160209	0.006691	0.039903551	-0.281737109	-1.215657743	**PDXK**	protein_coding	pyridoxal kinase [Source:HGNC Symbol;Acc:HGNC:8819]	chr21	43719094	43762307	1	ensembl_havana	5.777652971	5.918521526	5.630784416	6.027816972	5.924169743	5.803577862	5.756928108	5.571870036	5.581555106
ENSG00000173171	0.006693	0.039903551	-0.283092263	-1.216799328	**MTX1**	protein_coding	metaxin 1 [Source:HGNC Symbol;Acc:HGNC:7524]	chr1	155208699	155213824	-1	ensembl_havana	4.252857708	4.394401339	4.611330078	4.440057645	4.563866937	4.379305134	4.224329108	4.081238156	4.028827769
ENSG00000113552	0.006685	0.039903551	-0.28744537	-1.220477222	**GNPDA1**	protein_coding	glucosamine-6-phosphate deaminase 1 [Source:HGNC Symbol;Acc:HGNC:4417]	chr5	141991749	142013041	-1	ensembl_havana	6.779583638	6.923306324	6.635860953	6.88626284	6.904464965	6.979201166	6.61093809	6.682292173	6.614352596
ENSG00000158850	0.006697	0.03991835	0.267306927	1.203599051	**B4GALT3**	protein_coding	beta-1,4-galactosyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:926]	chr1	161171310	161177968	-1	ensembl_havana	5.956868219	5.823214755	6.090521682	5.837071289	5.838498013	5.794074963	6.132407281	6.051681002	6.087476763
ENSG00000123358	0.006711	0.039895291	-0.406523517	-1.325488078	**NR4A1**	protein_coding	nuclear receptor subfamily 4 group A member 1 [Source:HGNC Symbol;Acc:HGNC:7980]	chr12	52022832	52059507	1	ensembl_havana	3.882255058	4.085515816	3.676994299	4.0188242	4.098804918	4.118832811	3.790166076	3.707901612	3.538915209
ENSG00000145386	0.006718	0.040014042	-0.264803821	-1.201547615	**CCNA2**	protein_coding	cyclin A2 [Source:HGNC Symbol;Acc:HGNC:1578]	chr4	121816444	121822931	-1	ensembl_havana	6.308628704	6.441075615	6.179187811	6.569005731	6.574344281	6.587705926	6.293814262	6.357071854
ENSG00000119203	0.006724	0.040033173	-0.285077303	-1.218475551	**CPSF3**	protein_coding	cleavage and polyadenylation specific factor 3 [Source:HGNC Symbol;Acc:HGNC:2326]	chr2	9423568	9473101	1	ensembl_havana	7.345981058	7.488591709	7.203442406	7.46979877	7.486907028	7.50885333	7.11204334	7.20752705	7.290756828
ENSG00000255151	0.006747	0.040050918	0.933952725	1.907856583	**GLYATL1B**	protein_coding	glycine-N-acyltransferase like 1B [Source:HGNC Symbol;Acc:HGNC:37865]	chr11	59086307	59094786	1	havana	-1.100323647	-1.56630001	-0.634347284	-2.77305375	-0.428075095	-1.533771185	-1.31428442	0.061570082	-0.652327512
ENSG00000160972	0.006739	0.040050918	0.637949183	1.556115541	**PPP1R16A**	protein_coding	protein phosphatase 1 regulatory subunit 16A [Source:HGNC Symbol;Acc:HGNC:14941]	chr8	144477969	144502121	1	ensembl_havana	3.631037803	3.312063211	3.950012395	3.341660359	3.000030474	3.594496101	4.090013036	3.866489156	3.885534993
ENSG00000175931	0.006744	0.040050918	0.327297861	1.254661217	**UBE2O**	protein_coding	ubiquitin conjugating enzyme E2 O [Source:HGNC Symbol;Acc:HGNC:29554]	chr17	76389451	76453206	-1	ensembl_havana	5.899816975	5.736168045	6.053465906	5.586645168	5.716579222	5.905279747	5.988449903	6.094877335	6.107070479
ENSG00000116741	0.006739	0.040050918	0.280380058	1.214514789	**RGS2**	protein_coding	regulator of G protein signaling 2 [Source:HGNC Symbol;Acc:HGNC:9998]	chr1	192809039	192812283	1	ensembl_havana	6.76410927	6.623919241	6.904299259	6.976714656	6.712101361	6.182944905	7.222211594	6.952535736	6.538150565
ENSG00000107833	0.00674	0.040050918	-0.281762962	-1.215679528	**NPM3**	protein_coding	nucleophosmin/nucleoplasmin 3 [Source:HGNC Symbol;Acc:HGNC:7931]	chr10	101781325	101783413	-1	ensembl_havana	4.557440701	4.698322183	4.41655922	4.492460969	4.804229955	4.798281624	4.287275569	4.488728896	4.479377197
ENSG00000143578	0.006745	0.040050918	-0.357123307	-1.280869332	**CREB3L4**	protein_coding	cAMP responsive element binding protein 3 like 4 [Source:HGNC Symbol;Acc:HGNC:18854]	chr1	153967534	153974363	1	ensembl_havana	2.998184767	3.17674642	2.821962313	3.272162151	3.158267607	3.090880502	2.89041725	2.682912485	2.885539604
ENSG00000137124	0.006733	0.040050918	-0.403396649	-1.322618191	**ALDH1B1**	protein_coding	aldehyde dehydrogenase 1 family member B1 [Source:HGNC Symbol;Acc:HGNC:407]	chr9	38392664	38398661	1	ensembl_havana	6.916130282	7.117828607	6.714431958	7.121799515	7.017468894	7.214217012	6.797403862	6.723992611	6.621899402
ENSG00000237984	0.006751	0.040060238	0.600395415	1.516132052	**PTENP1**	transcribed_processed_pseudogene	phosphatase and tensin homolog pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:9589]	chr9	33673504	33677499	1	havana	-0.534801798	-0.834999506	-0.234604091	-1.618585837	-0.727039005	-0.159374151	-0.69455235	-0.2414061	0.232146171
ENSG00000124201	0.006758	0.040083261	0.259287275	1.196887268	**ZNFX1**	protein_coding	zinc finger NFX1-type containing 1 [Source:HGNC Symbol;Acc:HGNC:29271]	chr20	49237946	49278426	-1	ensembl_havana	8.461225195	8.331581558	8.590868832	8.683443761	8.852338644	8.858

						tRNA splicing endonuclease subunit 15 [Source:HGNC													
ENSG00000198860	0.007613	0.042323743	-0.245268356	-1.185313231	**TSEN15**	protein_coding	Symbol;Acc:HGNC:16791]	chr1	184051651	184123978	1	ensembl_havana	5.893482426	6.016116604	5.770848248	5.906314844	6.051166164	6.090868804	5.68083957	5.798464096	5.833241077
ENSG00000257487	0.007623	0.042363163	-0.462052276	-1.377499959	**AC12761.1**	antisense		chr12	75483454	75489320	-1	havana	1.446597894	1.677924032	1.215577156	1.738566362	1.845996605	1.448309098	1.125834405	1.625799857	0.895089805
ENSG00000155657	0.007628	0.042374709	-0.307799755	-1.23781847	**TTN**	protein_coding	titin [Source:HGNC Symbol;Acc:HGNC:12403]	chr2	178525989	178830802	-1	ensembl_havana	4.886058145	5.039958023	4.732158268	5.273165425	5.150592429	4.696118214	5.016316334	4.725674797	4.454483673
							endothelin receptor type A [Source:HGNC												
ENSG00000151617	0.00765	0.042478174	-0.369272745	-1.291701526	**EDNRA**	protein_coding	Symbol;Acc:HGNC:3179]	chr4	147480917	147544954	1	ensembl_havana	3.781184686	3.965821058	3.596548313	4.105550163	3.729353954	4.062559057	3.568668292	3.406428015	3.814586632
							chromosome X open reading frame 40B [Source:HGNC													
ENSG00000197021	0.007661	0.042525255	0.29886655	1.2301775547	**CXorf40B**	protein_coding	Symbol;Acc:HGNC:17402]	chrX	149929527	149938811	-1	ensembl_havana	4.608793337	4.459360062	4.758226612	4.458829965	4.3912033	4.528593921	4.82365562	4.731009453	4.719930763
							eukaryotic translation initiation factor 2 subunit beta													
ENSG00000125977	0.007667	0.042541259	-0.289521783	-1.222235071	**EIF2S2**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:3266]	chr20	34088298	34112332	-1	ensembl_havana	7.684400825	7.829161717	7.539639934	7.728948313	7.963004051	7.795532787	7.413979824	7.603981302	7.600958675
							charged multivesicular body protein 2A [Source:HGNC													
ENSG00000130724	0.007679	0.042594172	-0.291920706	-1.224269102	**CHMP2A**	protein_coding	Symbol;Acc:HGNC:30216]	chr19	58555166	58555124	-1	ensembl_havana	5.667596094	5.831556447	5.522635742	5.940318651	5.811950647	5.688400044	5.69202562	5.439110534	5.45287107
							family with sequence similarity 72 member C [Source:HGNC													
ENSG00000263513	0.007682	0.042594514	-0.533031402	-1.444961849	**FAM72C**	protein_coding	Symbol;Acc:HGNC:30602]	chr1	143955364	143971965	-1	ensembl_havana	0.484614939	0.75013064	0.219099238	0.683034432	0.570631912	0.996745577	-0.12879794	0.256279753	0.529815901
							spermatogenesis associated 20 [Source:HGNC													
ENSG00000062482	0.007691	0.042625128	-0.375448274	-1.297242571	**SPATA20**	protein_coding	Symbol;Acc:HGNC:26125]	chr17	50543058	50555852	1	ensembl_havana	6.47064535	6.658188487	6.282740214	6.647144143	6.60827644	6.719144878	6.390263726	6.289229886	6.168737029
ENSG00000019485	0.0077	0.042626276	0.32551015	1.253107747	**PRDM11**	protein_coding	PR/SET domain 11 [Source:HGNC Symbol;Acc:HGNC:13996]	chr11	45095806	45235110	1	ensembl_havana	3.076843848	2.914088773	3.239598923	2.596285266	3.085263982	3.060717071	3.030347571	3.426606605	3.261842592
							CAPN10 antisense RNA 1 (head to head) [Source:HGNC													
ENSG00000260942	0.007699	0.042626276	0.284302068	1.217820976	**CAPN10-AS1**	antisense	Symbol;Acc:HGNC:48835]	chr2	240582700	240586699	-1	havana	2.642174752	2.500023719	2.784325786	2.451565702	2.535453458	2.513051996	2.723778883	2.995316921	2.729351555
							myelin transcription factor 1 [Source:HGNC													
ENSG00000196132	0.0077	0.042626276	-0.260192882	-1.197638813	**MYT1**	protein_coding	Symbol;Acc:HGNC:7622]	chr20	64102394	64242253	1	ensembl_havana	2.199188287	2.329284728	2.069091846	2.253214515	2.240056551	2.294583118	1.986385747	2.233896951	1.986992839
							leucine rich repeat and fibronectin type III domain													
ENSG00000126243	0.00771	0.042635985	0.531897544	1.445829612	**LRFN3**	protein_coding	containing 3 [Source:HGNC Symbol;Acc:HGNC:28170]	chr19	35935358	35945767	1	ensembl_havana	1.201693763	0.935744991	1.467642535	0.986893817	0.962641309	0.857699845	1.797815913	1.271458479	1.333652212
							family with sequence similarity 117 member B [Source:HGNC													
ENSG00000138439	0.007713	0.042635985	0.315800632	1.244702216	**FAM117B**	protein_coding	Symbol;Acc:HGNC:14440]	chr2	202635188	202769757	1	ensembl_havana	2.861875444	2.703975128	3.031975761	2.509935591	2.709182922	2.892880553	2.947019153	2.933793498	3.178514631
							long intergenic non-protein coding RNA 526 [Source:HGNC													
ENSG00000264575	0.007713	0.042635985	-0.263798614	-1.200835819	**LINC00526**	lincRNA	Symbol;Acc:HGNC:28278]	chr18	5236724	5238598	-1	havana	1.837031262	1.968912569	1.705113955	2.126286315	1.979216042	1.801235349	1.820022713	1.659970236	1.601344415
							pre-mRNA processing factor 40 homolog A [Source:HGNC													
ENSG00000196504	0.007714	0.042635985	-0.265749915	-1.202260824	**PRPF40A**	protein_coding	Symbol;Acc:HGNC:16463]	chr2	152651593	152717997	-1	ensembl_havana	7.241864053	7.374739011	7.108989096	7.442793098	7.398080682	7.283343251	7.126875046	7.117556273	7.082535968
							LSM family member 14B [Source:HGNC													
ENSG00000149657	0.00772	0.042656937	0.246934691	1.186683077	**LSM14B**	protein_coding	Symbol;Acc:HGNC:15887]	chr20	62122461	62135378	1	ensembl_havana	5.991151825	5.86768448	6.114619171	5.807640268	5.834400372	5.961027798	6.084471098	6.067295408	6.192091007
							ETS transcriptional coactivator and phosphatase 4													
ENSG00000112319	0.007731	0.042700671	0.519122132	1.413281645	**EYA4**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:3522]	chr6	133240598	133532120	1	ensembl_havana	3.664451949	3.404709883	3.924113015	2.912241745	3.549641413	3.752489493	3.718075281	3.917286289	4.136977476
							kelch like family member 26 [Source:HGNC													
ENSG00000167487	0.007739	0.042725273	0.311566822	1.241054801	**KLHL26**	protein_coding	Symbol;Acc:HGNC:25623]	chr19	18636965	18671714	1	ensembl_havana	2.742635184	2.568851773	2.892481895	2.660681873	2.541211407	2.558602038	3.053967167	2.893065039	2.750423579
							transmembrane protein 71 [Source:HGNC													
ENSG00000165071	0.007754	0.042794167	-0.259525101	-1.19708459	**TMEM71**	protein_coding	Symbol;Acc:HGNC:28572]	chr8	132685007	132760712	-1	ensembl_havana	4.740791469	4.87055402	4.611028918	4.87332995	4.903675229	4.831465881	4.593204216	4.608912214	4.632970326
							protein tyrosine phosphatase, receptor type S [Source:HGNC													
ENSG00000105426	0.007759	0.042805481	-0.255050046	-1.19337714	**PTPRS**	protein_coding	Symbol;Acc:HGNC:9681]	chr19	5158495	5340803	-1	ensembl_havana	3.030812914	3.158337937	2.903287891	3.411375911	2.896025364	3.167612535	3.157897671	2.956492542	2.955473459
							RAB33A, member RAS oncogene family [Source:HGNC													
ENSG00000134594	0.007764	0.042817297	-0.368944449	-1.291407624	**RAB33A**	protein_coding	Symbol;Acc:HGNC:9773]	chrX	130171649	130184870	1	ensembl_havana	3.737088851	3.915261076	3.546316627	4.262806338	3.798294548	3.684682341	3.861504875	3.297423241	3.480021764
							galectin 3 binding protein [Source:HGNC													
ENSG00000108679	0.007776	0.042830989	0.715311159	1.64183729	**LGALS3BP**	protein_coding	Symbol;Acc:HGNC:6564]	chr17	78971238	78980109	-1	ensembl_havana	0.438042188	0.080388608	0.795697767	-0.41068387	0.214850257	0.436999436	0.716189844	0.648704825	1.022198632
							histone cluster 1 H3 family member h [Source:HGNC													
ENSG00000278828	0.007776	0.042830989	0.318830931	1.247319391	**HIST1H3H**	protein_coding	Symbol;Acc:HGNC:4775]	chr6	27810064	27811300	1	ensembl_havana	4.164038198	4.040622733	4.323453664	4.140867447	3.991523312	4.138147748	4.537323976	4.361741031	4.071295985
							small nuclear ribonucleoprotein U5 subunit 40 [Source:HGNC													
ENSG00000060688	0.007776	0.042830989	-0.246565394	-1.188379352	**SNRNP40**	protein_coding	Symbol;Acc:HGNC:30857]	chr1	31259568	31296782	-1	ensembl_havana	6.362939132	6.486221829	6.239656435	6.454188228	6.48710419	6.51737307	6.201188676	6.269349365	6.248433064
							serine incorporator 2 [Source:HGNC Symbol;Acc:HGNC:23231]													
ENSG00000168528	0.007796	0.042924822	-0.265299917	-1.201885879	**SERINC2**	protein_coding		chr1	31409565	31434680	-1	ensembl_havana	1.817130955	1.949780913	1.684480997	1.760103226	1.936162086	2.153077428	1.527946157	1.602328815	1.923268018
ENSG00000272899	0.007808	0.042961108	0.293862087	1.227068217	**AC025594.2**	protein_coding		chr7	128866308	128872044	1	ensembl_havana	1.875973657	1.729542614	2.022404701	1.541228291	2.116675269	1.530724282	2.939429043	2.34408831	1.786606749
ENSG00000279769	0.007806	0.042961108	0.293956286	1.224299295	**AC120114.4**	protein_coding	TTC	chr16	2991144	2991537	-1	havana	3.354643513	3.208663371	3.500521656	3.298158902	3.120354496	3.207531715	3.501539988	3.550444376	3.498880712
							keratin 8 pseudogene 11 [Source:HGNC													
ENSG00000255815	0.007812	0.042962629	-1.007391591	-2.010272216	**KRT8P11**	processed_pseudogene	Symbol;Acc:HGNC:31058]	chr9	99305176	99306611	1	havana	-0.602611529	-0.098915734	-1.106307325	-0.118813407	0.569828728	0.461212593	-1.13267621	-1.08144551	-1.10480025
							DDB1 and CUL4 associated factor 11 [Source:HGNC													
ENSG00000100897	0.00782	0.04298621	0.318142651	1.246724462	**DCAF11**	protein_coding	Symbol;Acc:HGNC:20258]	chr14	24114195	24125242	1	ensembl_havana	6.366662712	6.207591386	6.525734038	6.386562267	6.176232164	6.059979728	6.606951541	6.469424757	6.508825815
							multiple Cz and transmembrane domain containing 1													
ENSG00000175471	0.007826	0.04298621	0.298455389	1.229827002	**MCTP1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:26185]	chr5	94703741	95284575	-1	ensembl_havana	5.983703935	5.83447624	6.132931629	5.91113593	5.805388305	5.786906485	6.107792173	6.118844781	6.172157932
							thiopurine S-methyltransferase [Source:HGNC													
ENSG00000117364	0.007831	0.04298621	0.259467016	1.197036394	**TPMT**	protein_coding	Symbol;Acc:HGNC:12014]	chr6	18128311	18155074	-1	ensembl_havana	6.106050512	5.976317004	6.23578402	5.923715161	5.980879167	6.024356683	6.140703712	6.297527782	6.268720565
ENSG00000114404	0.00783	0.042980621	-0.127252338	-1.207918803	**SEMA6C**	protein_coding	semaphorin 6C [Source:HGNC Symbol;Acc:HGNC:10740]	chr1	151133685	151146864	-1	ensembl_havana	2.667069801	2.80333142	2.550808182	2.802876923	2.683179039	2.833740298	2.893950367	2.998588741	2.998588741
							tripartite motif containing 31 [Source:HGNC													
ENSG00000204616	0.007825	0.04298621	-0.792055605	-1.712620504	**TRIM31**	protein_coding	Symbol;Acc:HGNC:16289]	chr6	30102897	30113106	-1	ensembl_havana	1.604864945	2.003342792	1.230387097	2.237945808	1.855271053	1.910814326	1.309760823	0.737534657	1.577885811
ENSG00000247765	0.007846	0.043051597	0.270722345	1.206411633	**AC068446.2**	lincRNA		chr15	21298233	21325241	-1	havana	0.408554208	0.473193085	0.343495131	0.423079215	0.091050934	0.105449108	0.816788636	0.439664195	0.415131161
							amine oxidase, copper containing 2 [Source:HGNC													
ENSG00000131480	0.007858	0.043100873	0.286286234	1.219497021	**AOC2**	protein_coding	Symbol;Acc:HGNC:549]	chr17	42844600	42850707	1	ensembl_havana	3.838160713	3.695017596	3.981303829	3.705837742	3.648975701	3.730203943	4.008974209	4.009357694	3.925579585
							anaphase promoting complex subunit 2 [Source:HGNC													
ENSG00000176248	0.007881	0.043118793	0.579917921	1.494764205	**ANAPC2**	protein_coding	Symbol;Acc:HGNC:19989]	chr9	137174784	137188549	-1	ensembl_havana	5.375310022	5.085351062	5.665268983	4.903884315	4.98408	5.368085375	5.681597922	5.69482015	5.619388877
							Rho GTPase activating protein 39 [Source:HGNC													
ENSG00000147799	0.007872	0.043118793	0.525818912	1.439750589	**ARHGAP39**	protein_coding	Symbol;Acc:HGNC:29351]	chr8	144529179	144605816	-1	ensembl_havana	2.647696799	2.384787343	2.910606255	2.50993591	2.184470312	2.459955808	3.011169462	2.975481414	2.745167891
							activating transcription factor 3 [Source:HGNC													
ENSG00000162772	0.007877	0.043118793	0.357253347	1.280984791	**ATF3**	protein_coding	Symbol;Acc:HGNC:785]	chr1	212565334	212620777	1	ensembl_havana	8.011825032	7.833198358	8.190451706	7.836448774	7.869698534	7.793447762	8.315072974	8.068907121	8.187375022
							exocyst complex component 6B [Source:HGNC													
ENSG00000144406	0.007885	0.043118793	0.276778038	1.211486256	**EXOC6B**	protein_coding	Symbol;Acc:HGNC:17085]	chr2	72175984	72826041	-1	ensembl_havana	5.892544387	5.754155368	6.030933406	5.746913397	5.69607929	5.819474315	6.066584376	6.015501897	6.010713945
							translocase of inner mitochondrial membrane 21													
ENSG00000075336	0.007882	0.043118793	-0.258857018	-1.196530372	**TIMM21**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:25010]	chr18	74148511	74160530	1	ensembl_havana	5.145625149	5.275053658	5.01619664	5.206092784	5.336742153	5.282326038	4.967402959	5.019376044	5.061821918
ENSG00000118242	0.007877	0.043118793	-0.330676077	-1.257602578	**MRI1**	protein_coding	melanoregulin [Source:HGNC Symbol;Acc:HGNC:25478]	chr2	215942805	216034096	-1	ensembl_havana	6.26076782	6.452105859	6.127429782	6.779582495	6.597265595	6.579471482	6.504816609	6.125496447	6.733926608
ENSG00000273082	0.00787	0.043118793	-0.435108989	-1.352012967	**AL553888.2**	antisense		chr1	155978799	155982986	1	havana	2.575569155	2.793263649	2.358096966	2.878177262	2.793616541	2.780737144	2.349154473	2.228242768	2.498880741
							BARX homeobox 2 [Source:HGNC Symbol;Acc:HGNC:956]													
ENSG00000043039	0.007885	0.043118793	-1.089438567	-2.127912114	**BARX2**	protein_coding	Bardet-Biedl syndrome 12 [Source:HGNC	chr11	129375940	129452279	1	ensembl_havana	-0.01641112	0.528308163	-0.561130404	0.383334258	0.325758945	0.875831286	-0.46237776	-1.42278721	0.201773757
ENSG00000181004	0.007891	0.043118818	0.4461741	1.362422437	**BBS12**	protein_coding	Symbol;Acc:HGNC:26648]	chr4	122732702	122744943	1	ensembl_havana	2.514756531	2.291669482	2.717845181	2.26832323	2.569661407	2.037023808	2.514907924	3.007092508	2.691530312
							RTCA antisense RNA 1 [Source:HGNC													
ENSG00000234616	0.007888	0.043118818	0.354606795	1.273637042	**RTCA-AS1**	antisense	Symbol;Acc:HGNC:50573]	chr1	100264009	100266120	-1	havana	0.726309162	0.549005765	0.903612559	0.41082706	0.453384582	0.782805653	0.785535375	0.938274071	0.987010032
ENSG00000238287	0.007915	0.043233043	0.850565765	1.80320793	**AL603839.3**	antisense		chr1	40493157	40508661	-1	havana	-0.53110968	-0.956392563	-0.105826797	-1.41179303	-0.967469033	-0.489955621	-0.08688711	-0.52165082	0.293107539
							CaM kinase like vesicle associated [Source:HGNC													
ENSG00000164076	0.007918	0.043233043	-0.850149594	-1.802687838	**CAMKV**	protein_coding	Symbol;Acc:HGNC:28788]	chr3	49857988	49870222	-1	ensembl_havana	-0.478670181	-0.053595384	-0.903744978	0.040274975	-0.34076431	0.139703184	-1.13267621	-0.68524259	-0.893316134
							adaptor related protein complex 4 mu 1 subunit													
ENSG00000221838	0.007931	0.043256564	0.285903633	1.219173855	**AP4M1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:574]	chr7	100101549	100110345	1	ensembl_havana	4.491546248	4.348594432	4.634498605	4.418204457	4.418204457	4.422765818	4.686826487	4.596559508	4.620108199
							peroxisome proliferator activated receptor delta													
ENSG00000112033	0.007928	0.043256564	0.258815908	1.196496277	**PPARD**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:9235]	chr6	35342558	35428391	-1	ensembl_havana	5.378480311	5.249072357	5.507888265	5.297302101	5.249747778	5.200167194	5.54183841	5.465360412	5.516720974
							cyclin dependent kinase 10 [Source:HGNC													
ENSG00000185324	0.007929	0.043256564	0.240827441	1.181506397	**CDK10**	protein_coding	Symbol;Acc:HGNC:1770]	chr16	89680737	89696364	1	ensembl_havana	5.843730524	5.723416804	5.964044244	5.729277886	5.694124403	5.746830222	5.964904244	5.993961913	5.989201383
							DEAD-box helicase 50 pseudogene 1 [Source:HGNC													
ENSG00000229816	0.007948	0.043328893	0.500160457	1.414566947	**DDX50P1**	processed_pseudogene	Symbol;Acc:HGNC:18974]	chr2	32201600	32203999	1	havana	0.78052937	0.530494141	1.030709598	0.727424294	0.243388951	0.620236179	0.955706889	0.919411336	1.21701057
							G protein coupled receptor 63 [Source:HGNC													
ENSG00000112218	0.007954	0.043328893	0.317065971	1.245794381	**GPR63**	protein_coding	Symbol;Acc:HGNC:13302]	chr6	96794126	96837463	-1	ensembl_havana	3.720360468	3.561827463	3.878893434	3.352337167	3.817401554	3.515743667	3.756011721	4.007126095	3.873542485
							hect domain and RLD 2 pseudogene 9 [Source:HGNC													
ENSG00000206149	0.007951	0.043328893	0.253791647	1.192336664	**HERC2P9**	transcribed_unprocessed_pseudogene	Symbol;Acc:HGNC:30495]	chr15	28589492	28685264	1	havana	4.612652404	4.485756581	4.739548228	4.312848501	4.597232125	4.547098117	4.560596196	4.810021875	4.848026613
							leucine rich repeat kinase 1 [Source:HGNC													
ENSG00000154237	0.007971	0.043408794	-0.509678094	-1.423732485	**LRRK1**	protein_coding	Symbol;Acc:HGNC:18608]	chr15	100919215	101078254	1	ensembl_havana	6.468586139	6.723425386	6.213747292	6.496504081	6.664753718	7.009018359	6.200657915	6.208499413	6.232080949
							MORN repeat containing 2 [Source:HGNC													
ENSG00000188010	0.007985	0.043413415	0.427403024	1.344810621	**MORN2**	protein_coding	Symbol;Acc:HGNC:30166]	chr2	38875962	38929072	1	ensembl_havana	4.580818896	4.367117384	4.794520407	4.530555105	4.667270071	4.103526974	4.784658061	4.86031958	4.738563581
							WW domain binding protein 2 [Source:HGNC													
ENSG00000132471	0.007989	0.043413415	0.294974345	1.22686316	**WBP2**	protein_coding	Symbol;Acc:HGNC:12738]	chr17	75845699	75856507	-1	ensembl_havana	5.911082191	5.763595018	5.810163332	5.588867565	6.148952706	6.036442954	5.990312429	5.990312429	
							tryptophanyl-tRNA synthetase [Source:HGNC													
ENSG00000140105	0.00799	0.043413415	-0.291366462	-1.222798861	**WARS**	protein_coding	Symbol;Acc:HGNC:12720]	chr14	100333788	100376805	-1	ensembl_havana	8.194519686	8.340202917	8.048836455	8.349866266	8.384226339	8.286516145	8.039223966	8.031988833	8.093304566
							Fanconi anemia complementation group F [Source:HGNC													
ENSG00000183161	0.007977	0.043413415	-0.296947119	-1.228541949	**FANCF**	protein_coding	Symbol;Acc:HGNC:3587]	chr11	22622519	22626787	-1	ensembl_havana	3.286136325	3.434690885	3.137662765	3.414774672	3.370429439	3.518631543	3.213490017	3.072584571	3.126913708
							zinc finger CCHC-type containing 9 [Source:HGNC													
ENSG00000131732	0.007986	0.043413415	-0.315548045	-1.244484313	**ZCCHC9**	protein_coding	Symbol;Acc:HGNC:25424]	chr5	81301590	81311297	1	ensembl_havana	4.731701273	4.889475295	4.57392725	4.952633592	4.925852934	4.789939359	4.535647221	4.592099791	4.594034738
ENSG00000270504	0.007987	0.043413415	-0.511214862	-1.425249862	**AL391422.3**	antisense		chr6	3751111	3751871	1	havana	2.89761069	3.153218121	2.642003259	3.547468667	3.234877758	2.677127938	3.166591014	2.439854124	2.319546638
							piccolo presynaptic cytomatrix protein [Source:HGNC													
ENSG00000186472	0.008004	0.043468856	0.311967196	1.241399264	**PCLO**	protein_coding	Symbol;Acc:HGNC:13406]	chr7	82754013	83162930	-1	ensembl_havana	4.080754111	3.924770513	4.236737709	3.522665065	3.942327796	4.309318677	3.942194775	4.256703576	4.513134775
							neuronal growth regulator 1 [Source:HGNC													
ENSG00000172260	0.008043	0.043424616	0.587239917	1.502369747	**NEGR1**	protein_coding	Symbol;Acc:HGNC:17302]	chr1	71995940	72282734	-1	havana	-0.354867261	-0.64848722	-0.061247303	-0.92573229	-0.036373238	-0.983356126	-0.63291296	0.554004597	-0.104875545
							differentially expressed in FDCP 8 homolog [Source:HGNC													
ENSG00000140995	0.008043	0.043424616	0.27404148	1.200190442	**DEF8**	protein_coding	Symbol;Acc:HGNC:25965]	chr16	89947925	89968060	1	ensembl_havana	6.716167388	6.579146648	6.851388128	6.628969256	6.489711993	6.618758695	6.959380915	6.789407545	6.810775925
							MorN family associated protein 1 [Source:HGNC													
ENSG00000179010	0.008045	0.043424616	0.271183719	1.206797589	**MRFAP1**	protein_coding	Symbol;Acc:HGNC:24546]	chr4	6640091	6642745	1	ensembl_havana	5.750405023	5.768453163	7.639636882	7.355512026	7.369844875	7.380002588	7.677664025	7.669122598	7.572124023
							ribonuclease A family member l6 [Source:HGNC													
ENSG00000169413	0.008052	0.043665112	-0.668091256	-1.588969305	**RNASE6**	protein_coding	Symbol;Acc:HGNC:10048]	chr14	20781051	20782467	1	ensembl_havana	-0.160806041	0.173239587	-0.494851669	0.540941683	-0.002471726	-0.018751196	-0.51701327	-0.52165082	-0.445890917
							peptidylglycine alpha-amidating monooxygenase													
ENSG00000145730	0.008066	0.043725644	0.323121505	1.251034439	**PAM**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:8596]	chr5	102753981	103031105	1	ensembl_havana	5.782611101	5.622050348	5.944171853	5.674330594	5.648860834	5.539595616	6.043172125	5.837295022	5.952048412
							inhibitor of growth family member 5 [Source:HGNC													
ENSG00000139211	0.008085	0.043756118	-0.240674404	-1.181544859	**ING5**	protein_coding	Symbol;Acc:HGNC:19421]	chr2	241687085	241729478	1	ensembl_havana	5.124119392	5.244456595	5.00378219	5.321043534	5.174870462	5.237455787	5.078672972	4.949039243	4.983643356
							piggyBac transposable element derived 4 [Source:HGNC													
ENSG00000182405	0.008076	0.043756118	-0.414870922	-1.331179392	**PGBD4**	protein_coding	Symbol;Acc:HGNC:19401]	chr15	34102073	34108864	1	ensembl_havana	3.850644703	4.050808164	3.643209242	4.10133777	4.158160005	3.914742738	3.538866404	3.682954534	3.70782679
							solute carrier family 45 member 3 [Source:HGNC													
ENSG00000158715	0.008085	0.043775863	-0.291303683	-1.223745609	**SLC45A3**	protein_coding	Symbol;Acc:HGNC:8642]	chr1	205657851	205680459	-1	ensembl_havana	4.30666927	4.452121112	4.166817428	4.390853222	4.513401796	4.19042551	4.114170126	4.166857048	
							solute carrier family 22 member 5 [Source:HGNC													
ENSG00000197375	0.00809	0.043788121	0.294082666	1.226105114	**SLC22A5**	protein_coding	Symbol;Acc:HGNC:10965]	chr5	132369752	132395614	1	ensembl_havana	4.565326882	4.418285549	4.471268215	4.487627691	4.380001666	4.38722729	4.676211797	4.706547606	4.754352243
							tubulin alpha 1b [Source:HGNC Symbol;Acc:HGNC:18809]													
ENSG00000109103	0.008098	0.04381743	-0.244449933	-1.184641008	**TUBA1B**	protein_coding		chr12	49127782	49131397	-1	ensembl_havana	10.58447086	10.70669583	10.46224589	10.61253738	10.74611588	10.76143422	10.37974024	10.46998758	10.53700986
							neuron navigator 3 [Source:HGNC Symbol;Acc:HGNC:15998]													
ENSG00000067798	0.008118	0.043891353	0.976443384	1.967608761	**NAV3**	protein_coding		chr12	77324641	78213008	1	ensembl_havana	0.124384385	-0.363837306	0.612636077	-1.070289	-0.002471726	-0.018751196	0.457455004	0.902098706	0.480066523
							cholinergic receptor nicotinic beta 1 subunit [Source:HGNC													
ENSG00000170175	0.008115	0.043891353	-0.292388773	-1.224665858	**CHRNB1**	protein_coding	Symbol;Acc:HGNC:1961]	chr17	7445061	7457707	1	ensembl_havana	2.762324797	2.908518884	2.61613071	2.78670079	2.918320072	2.920515788	2.600804468	2.572545352	2.675042311
							PHD finger protein 10 [Source:HGNC													
ENSG00000130024	0.008133	0.043955789	0.243838047	1.184138676	**PHF10**	protein_coding	Symbol;Acc:HGNC:18250]	chr6	169703905	169725566	-1	ensembl_havana	6.667382105	6.545463082	6.783931129	6.55716266	6.577786494	6.461440093

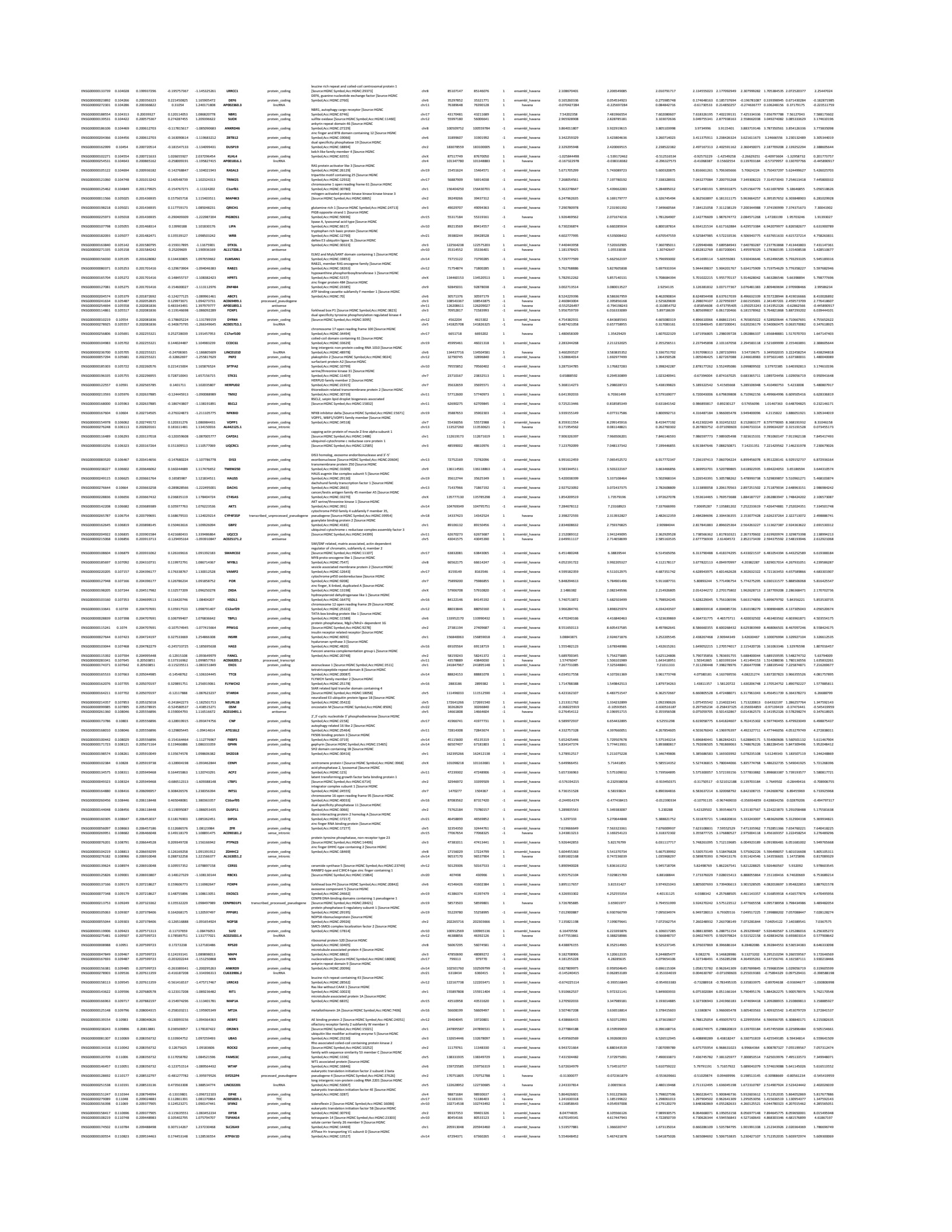


ENSG00000142227	0.03044	0.089045064	-0.22644964	-1.169952485	**EMP3**	protein_coding	epithelial membrane protein 3 [Source:HGNC Symbol;Acc:HGNC:3335]	chr19	48321509	48330553	1	ensembl_havana	6.882944392	6.996169362	6.769719422	7.268725734	7.012296137	6.707488214	6.902946329	6.820241129	6.585970809
ENSG00000162722	0.030435	0.089045064	-0.24068881	-1.183566657	**TRIM58**	protein_coding	tripartite motif containing 58 [Source:HGNC Symbol;Acc:HGNC:24150]	chr1	247857199	247878205	1	ensembl_havana	5.501216933	5.237737452	5.350126933	5.294196433	5.334502858	5.357427779	5.501216933	5.294196433	5.283757261
ENSG00000087269	0.030451	0.089057586	-0.195801474	-1.145360276	**NOP14**	protein_coding	NOP14 nucleolar protein [Source:HGNC Symbol;Acc:HGNC:16821]	chr4	2937933	2963385	-1	ensembl_havana	6.054131344	6.152032081	5.956230607	6.11188196	6.137796237	6.206418047	5.8509408	6.040267582	5.97748344
ENSG00000168970	0.030518	0.089236265	0.349200952	1.273854897	**JMJD7-PLA2G4B**	protein_coding	JMJD7-PLA2G4B readthrough [Source:HGNC Symbol;Acc:HGNC:34449]	chr15	41828095	41848155	1	ensembl_havana	2.61944976	2.444849284	2.794050236	2.26832323	2.116675269	2.949549354	2.803908217	2.560421027	3.017821464
ENSG00000103353	0.030549	0.089308856	-0.168552864	-1.123930529	**UBFD1**	protein_coding	ubiquitin family domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30565]	chr16	23557362	23574389	1	ensembl_havana	6.704044859	6.788321292	6.619768427	6.88626284	6.754230899	6.724470136	6.678596701	6.608769719	6.571938862
ENSG00000168036	0.030579	0.089236522	0.178595635	1.131781637	**CTNNB1**	protein_coding	catenin beta 1 [Source:HGNC Symbol;Acc:HGNC:2514]	chr3	41194741	41260096	1	ensembl_havana	8.483109239	8.393811422	8.422429987	8.557125639	8.619952646	8.548024885
ENSG00000110583	0.03057	0.089236522	0.163973871	1.120168923	**NAA40**	protein_coding	N(alpha)-acetyltransferase 40, NatD catalytic subunit [Source:HGNC Symbol;Acc:HGNC:25865]	chr11	63938959	63957328	1	ensembl_havana	5.584846741	5.502859805	5.666833676	5.475491922	5.474767967	5.558319526	5.625951438	5.652612197	5.721937394
ENSG00000254233	0.03058	0.089236522	-0.271933109	-1.207424608	**LINC02365**	lincRNA	long intergenic non-protein coding RNA 2365 [Source:HGNC Symbol;Acc:HGNC:53285]	chr4	184584093	184625030	-1	havana	2.357937225	2.459903779	2.22197067	2.711312495	2.482570884	2.287827958	2.326059645	2.122856455	2.21699591
ENSG00000150593	0.03059	0.089458893	0.254218882	1.192689811	**JAML**	protein_coding	ADAM metallopeptidase domain 8 [Source:HGNC Symbol;Acc:HGNC:215]	chr11	118193740	118225094	-1	ensembl_havana	0.643032267	0.515922826	0.770141708	0.589870393	0.403680778	0.554217307	0.955706889	0.478736765	0.879581471
ENSG00000188452	0.03062	0.089458893	0.247695059	1.187308679	**CERKL**	protein_coding	immunoglobulin like domain containing receptor 1 [Source:HGNC Symbol;Acc:HGNC:28761]	chr2	181536676	181680865	-1	ensembl_havana	2.760580035	2.636731506	2.884427565	2.283735357	2.783935853	2.842986308	2.632526022	3.102158989	2.918597684
ENSG00000111335	0.030738	0.089661381	-0.505409124	-1.419525853	**OAS2**	protein_coding	2'-5'-oligoadenylate synthetase 2 [Source:HGNC Symbol;Acc:HGNC:8087]	chr12	112978395	113011723	-1	ensembl_havana	4.667735053	4.920439615	4.415030491	4.669343006	5.020680558	5.071367781	4.431101554	4.07474932	4.737240617
ENSG00000101577	0.030769	0.089697291	0.215315884	1.160958083	**LPIN2**	protein_coding	ADAM metallopeptidase domain 15 [Source:HGNC Symbol;Acc:HGNC:193]	chr18	2916994	3013315	-1	ensembl_havana	7.952118269	7.844460326	8.059776211	8.25660313	7.750564257	7.626631873	8.2566013	7.968970053	7.953757278
ENSG00000165886	0.03076	0.089697291	0.201141675	1.149607736	**UBTD1**	protein_coding	CDC42 binding protein kinase gamma [Source:HGNC Symbol;Acc:HGNC:25683]	chr10	97498868	97571209	1	ensembl_havana	0.991966049	0.891395212	1.092536887	0.931023971	0.979703225	0.763458464	1.089724456	1.114463419	1.073422785
ENSG00000225821	0.030768	0.089697291	0.173452437	1.127754026	**DTD1**	protein_coding	D-tyrosyl-tRNA deacylase 1 [Source:HGNC Symbol;Acc:HGNC:16219]	chr20	18587893	18766644	1	ensembl_havana	4.745357251	4.658631033	4.832083469	4.52270135	4.740586423	4.712605325	4.731453667	4.859102792	4.90569395
ENSG00000196663	0.030777	0.089701189	0.186132661	1.137709839	**TECPR2**	protein_coding	tectonin beta-propeller repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:19957]	chr14	102362963	102502481	1	ensembl_havana	4.725074136	4.632007805	4.818140466	4.640602451	4.701268571	4.554152393	4.906430054	4.870195902	4.677795441
ENSG00000225541	0.030787	0.0897118	-0.184897088	-1.136735883	**AC002480.1**	sense_overlapping	ribosomal protein L7a [Source:HGNC Symbol;Acc:HGNC:30364]	chr7	22573607	22661792	-1	havana	1.932248628	2.024697172	1.839800084	1.968722995	1.944876279	2.024692241	1.863449533	1.795026699	1.959204019
ENSG00000148303	0.030806	0.089714081	0.208798108	1.155724962	**RPL7A**	protein_coding	ribosomal protein L7a [Source:HGNC Symbol;Acc:HGNC:30364]	chr9	133348214	133351426	1	ensembl_havana	10.00808226	9.903683203	10.11248131	9.765765109	9.89151441	10.05377009	9.977929843	10.20385079	10.1556633
ENSG00000116668	0.030794	0.089714081	0.188679194	1.13971981	**SWT1**	protein_coding	SWT1, RNA endoribonuclease homolog [Source:HGNC Symbol;Acc:HGNC:16785]	chr1	185157080	185291765	1	ensembl_havana	3.971753642	3.877414044	4.066099239	3.99572295	3.550222408	4.203156559	4.175565179	3.819557978
ENSG00000249509	0.030806	0.089714081	-0.309238478	-2.239053497	**AC023886.1**	antisense	apoptosis inducing factor, mitochondria associated 2 [Source:HGNC Symbol;Acc:HGNC:23411]	chr4	112515385	112546881	1	havana	1.566310996	1.720930235	1.411691757	1.863213701	1.488885652	1.810891353	1.309740823	1.300906777	1.624427672
ENSG00000042286	0.030826	0.089734406	-0.165821108	-1.12180437	**AIFM2**	protein_coding	UBA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:20486]	chr10	70098223	70132934	-1	ensembl_havana	5.308424581	5.391335135	5.225514027	5.221700428	5.477022698	5.475282279	5.084418896	5.30475086	5.287372323
ENSG00000134882	0.030822	0.089734406	-0.199654621	-1.148423391	**UBAC2**	protein_coding	HIV-1 Tat specific factor 1 gene 2 protein [Source:HGNC Symbol;Acc:HGNC:19640]	chr12	59220774	59186434	1	ensembl_havana	5.181625424	5.281452734	5.081798113	5.250517308	5.287919812	5.305921083	5.158195301	5.040259376	5.046939663
ENSG00000271361	0.030881	0.08987777	-0.218410915	-1.163451374	**HTATSF1P2**	processed_pseudogene	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4 [Source:HGNC Symbol;Acc:HGNC:29226]	chr6	3023142	3023772	-1	havana	0.032790087	0.141995544	-0.076415371	0.075059705	-0.036373238	0.387300166	-0.21650287	-0.119363811	0.106620565
ENSG00000168434	0.030916	0.089558984	0.211145531	1.157606984	**COG7**	protein_coding	component of oligomeric golgi complex 7 [Source:HGNC Symbol;Acc:HGNC:18622]	chr16	23388493	23453180	-1	ensembl_havana	4.574529579	4.468958813	4.680102344	4.614237131	4.394387857	4.398245452	4.923109632	4.62448868	4.49261872
ENSG00000259943	0.030927	0.089374331	-0.168839603	-1.124153935	**AL050341.2**	antisense	junction adhesion molecule like [Source:HGNC Symbol;Acc:HGNC:29675]	chr1	40256427	40257967	-1	havana	3.673925458	3.758345259	3.572247512	3.674607242	3.524741405	3.568972322
ENSG00000047777	0.030934	0.089976539	0.364109027	1.287086511	**ARHGAP33**	protein_coding	Rho GTPase activating protein 33 [Source:HGNC Symbol;Acc:HGNC:20385]	chr19	35774532	35788822	1	ensembl_havana	3.501948666	3.313894152	3.684003179	3.214825476	3.206170563	3.538686417	3.792976108	3.649006201	3.610027229
ENSG00000206418	0.030952	0.090010695	0.253127824	1.190302138	**RAB12**	protein_coding	RAB12, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:31332]	chr18	8609445	8639381	1	ensembl_havana	4.402501484	4.276837572	4.528105396	4.368242082	4.370330552	4.091940082	4.565534632	4.501468219	4.517493337
ENSG00000086061	0.030963	0.090023548	-0.163837192	-1.122062786	**DNAJA1**	protein_coding	DnaJ heat shock protein family (Hsp40) member A1 [Source:HGNC Symbol;Acc:HGNC:5226]	chr9	33025211	33039907	1	ensembl_havana	9.031830752	9.113749348	9.124169844	9.10237475	8.956585401	8.973978759	8.919172307
ENSG00000119471	0.030978	0.0900499	0.166201052	1.122099844	**HSDL2**	protein_coding	hydroxysteroid dehydrogenase like 2 [Source:HGNC Symbol;Acc:HGNC:18572]	chr9	112379937	112472410	1	ensembl_havana	5.867691747	5.784591221	5.950792273	5.510858259	5.822628285	5.708636445	5.965232331	6.178508043
ENSG00000169242	0.031001	0.090096696	-0.773708355	-1.709658709	**EFNA1**	protein_coding	ephrin A1 [Source:HGNC Symbol;Acc:HGNC:3221]	chr1	155127460	155134857	1	ensembl_havana	0.351612929	0.718467107	-0.035241249	1.126095262	0.77991046	0.309395597	-0.30988669	0.130707766	0.073455173
ENSG00000135437	0.031017	0.090111149	0.253200695	1.191848363	**RDH5**	protein_coding	retinol dehydrogenase 5 [Source:HGNC Symbol;Acc:HGNC:9940]	chr12	55720367	55724705	1	ensembl_havana	1.889082206	1.762481859	2.015682554	1.565895203	1.873642861	1.847907512	1.936429043	2.187350601	1.923268018
ENSG00000256234	0.031018	0.090111149	-0.312194305	-1.241594701	**AC025259.2**	antisense	regulating synaptic membrane exocytosis 2 [Source:HGNC Symbol;Acc:HGNC:17283]	chr12	26211164	26335856	-1	havana	3.516354212	3.672451364	3.360257059	3.996364543	3.886882047	3.134109303	3.542190552	3.469382096	3.069198529
ENSG00000176406	0.03103	0.090128769	-0.314633158	-1.243695372	**RIMS2**	protein_coding	HIV-1 Tat specific factor 1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:38586]	chr6	103500748	104256094	1	ensembl_havana	2.938386033	3.095762612	2.781069454	2.838235332	3.104836469	3.344036035	2.699951379	2.85657011	2.786686872
ENSG00000149634	0.031058	0.090161168	0.275956655	1.210796706	**SPATA25**	protein_coding	component of oligomeric golgi complex 7 [Source:HGNC Symbol;Acc:HGNC:18622]	chr20	45886489	45887635	-1	ensembl_havana	0.41959452	0.281616192	0.557572847	0.490295136	0.214850257	0.139703184	0.592614899	0.478736765	0.601368878
ENSG00000143373	0.031058	0.090161168	-0.170956448	-1.1258046	**ZNF687**	protein_coding	spermatogenesis associated 25 [Source:HGNC Symbol;Acc:HGNC:29277]	chr1	151281618	151292180	1	ensembl_havana	5.013749491	5.099227715	5.127845913	5.092287267	5.12748953	5.009228299	5.160965317	4.954911103	4.882422361
ENSG00000171681	0.03106	0.090161168	-0.232414856	-1.174799743	**ATF7IP**	protein_coding	zinc finger protein 687 [Source:HGNC Symbol;Acc:HGNC:29277]	chr12	14365632	14502935	1	ensembl_havana	5.815019164	5.931226591	5.698811136	5.977556924	5.926921343	5.889191508	5.633809663	5.656888996	5.805736548
ENSG00000230790	0.031074	0.090181529	0.161070418	1.53269477	**AC024456.2**	antisense	activating transcription factor 7 interacting protein [Source:HGNC Symbol;Acc:HGNC:20092]	chr2	11740997	11745301	-1	havana	0.526025057	0.217988648	0.834060266	-0.06941355	0.52486995	0.198513145	1.052687018	0.691803314	0.755690467
ENSG00000269921	0.031131	0.090218483	-0.166823905	-1.122584391	**AC068620.1**	lincRNA	transmembrane protein 183A [Source:HGNC Symbol;Acc:HGNC:25022]	chr4	56387625	56388153	1	havana	0.203551887	0.286963839	0.267803752	0.453384582	0.139703184	0.069637898	0.286036124	0.004765082	0.004765082
ENSG00000163444	0.031145	0.09035289	0.17739494	1.130840094	**TMEM183A**	protein_coding	transmembrane and coiled-coil domain family 1 [Source:HGNC Symbol;Acc:HGNC:29116]	chr1	203007386	203024848	-1	ensembl_havana	4.964916859	4.876219389	4.883610394	5.050769426	5.030440603	5.079669558
ENSG00000175182	0.031199	0.090488949	-0.306118742	-1.236377017	**FAM131A**	protein_coding	family with sequence similarity 131 member A [Source:HGNC Symbol;Acc:HGNC:28308]	chr3	184335926	184348421	-1	ensembl_havana	2.316424681	2.469484052	2.16336531	2.438267468	2.351074074	2.619110614	2.221475976	2.195213363	2.073406591
ENSG00000198416	0.031217	0.090505819	-0.235694138	-1.17747313	**ZNF658B**	transcribed_unprocessed_pseudogene	zinc finger protein 658B (pseudogene) [Source:HGNC Symbol;Acc:HGNC:32033]	chr9	39443815	39508885	-1	havana	1.294490308	1.412333777	1.176643239	1.553634665	1.415548178	1.267849486	1.195452122	1.32976598	1.004716615
ENSG00000155438	0.031216	0.090505819	-0.262217945	-1.199321079	**NIPK**	protein_coding	nuclear protein interacting with the FHA domain of MK667 [Source:HGNC Symbol;Acc:HGNC:17838]	chr2	121726945	121736923	-1	ensembl_havana	6.342770582	6.473879555	6.211661609	6.677171757	6.459623865	6.284843041	6.248016381	6.19826121	6.188707236
ENSG00000152767	0.031231	0.09052972	0.577536161	1.492298519	**FARP1**	protein_coding	FERM, ARH/RhoGEF and pleckstrin domain protein 1 [Source:HGNC Symbol;Acc:HGNC:3551]	chr3	98142562	98455176	1	ensembl_havana	0.477072385	0.188302304	0.765838465	0.174648163	0.477608744	-0.087349994	0.762808079	0.602150945	0.932563571
ENSG00000057757	0.031248	0.090541193	0.194300422	1.144169206	**PTHD1**	protein_coding	PITH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25022]	chr1	23778405	23788232	1	ensembl_havana	5.259232581	5.16208237	5.356382792	5.141916838	5.213245738	5.131089535	5.367295382	5.379115482	5.42273512
ENSG00000172765	0.031246	0.090541193	0.182336619	1.134720214	**TMCC1**	protein_coding	transmembrane and coiled-coil domain family 1 [Source:HGNC Symbol;Acc:HGNC:29116]	chr3	129647792	129893576	-1	ensembl_havana	4.799919356	4.708751047	4.891087666	4.588886194	4.771531924	4.765815022	4.82090477	4.981228583	4.871129645
ENSG00000102393	0.031265	0.090571376	0.17057947	1.125588481	**GLA**	protein_coding	galactosidase alpha [Source:HGNC Symbol;Acc:HGNC:4296]	chrX	101397803	101407925	-1	ensembl_havana	4.97181575	4.886476016	5.057155485	4.852177089	4.970278484	4.836972474	5.072904072	5.11158459	4.986977794
ENSG00000215712	0.031352	0.090684691	0.171295456	1.126069175	**TMEM242**	protein_coding	RNA binding motif single stranded interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:13427]	chr6	157289386	157323601	-1	ensembl_havana	3.902122736	3.816475008	3.987770464	3.802415141	3.909315632	3.737694252	3.93203328	4.129119342	3.90215877
ENSG00000104331	0.031354	0.090684691	0.167872797	1.123400848	**IMPAD1**	protein_coding	inositol monophosphatase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26026]	chr8	56957933	56993844	-1	ensembl_havana	6.910692766	6.826756368	6.994629165	6.817310861	6.889308276	6.773649967	6.945241073	7.066495926	6.972150495
ENSG00000083454	0.031348	0.090684691	-0.191873569	-1.142246141	**P2RX5**	protein_coding	purinergic receptor P2X 5 [Source:HGNC Symbol;Acc:HGNC:8536]	chr17	3672199	3696404	1	ensembl_havana	2.825296956	2.92123374	2.729360171	2.765560239	2.769291924	2.228849057	2.669693543	2.515862351	2.98252462
ENSG00000129534	0.031366	0.090700952	-0.176002528	-1.129749194	**MIS18BP1**	protein_coding	MIS18 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:20190]	chr14	45203190	45253540	-1	ensembl_havana	4.356408867	4.444410131	4.268407603	4.362973414	4.427408044	4.542848935	4.127254407	4.302919022	4.375049381
ENSG00000076650	0.031417	0.090773093	0.189375649	1.140270138	**GPATCH1**	protein_coding	G-patch domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24654]	chr19	33088880	33130542	1	ensembl_havana	4.510258629	4.415570805	4.604946454	4.275947831	4.455121723	4.515562856	4.456330725	4.728386669	4.630121969
ENSG00000115107	0.031287	0.090573031	-0.2004771	-1.149078293	**STEAP3**	protein_coding	STEAP3 metalloreductase [Source:HGNC Symbol;Acc:HGNC:24592]	chr2	11922831	11926562	1	ensembl_havana	8.487608009	8.587846559	8.387369459	8.925291891	8.415559138	8.422728449	8.69035046	8.323043613	8.148714305
ENSG00000281332	0.031339	0.090684691	0.338689309	1.264607174	**LINC00997**	lincRNA	long intergenic non-protein coding RNA 997 [Source:HGNC Symbol;Acc:HGNC:48952]	chr7	32760279	32762924	1	ensembl_havana	1.488828166	1.319483511	1.65817282	1.397462791	1.452682866	1.108304877	1.780580698	1.529563273	1.65837449
ENSG00000215712	0.031352	0.090684691	0.171295456	1.126069175	**TMEM242**	protein_coding	transmembrane protein 242 [Source:HGNC Symbol;Acc:HGNC:17206

ENSG00000077514	0.034843	0.097171856	-0.174419153	-1.128509961	**POLD3**	protein_coding	DNA polymerase delta 3, accessory subunit [Source:HGNC Symbol;Acc:HGNC:20932]	chr11	74493851	74669117	1	ensembl_havana	4.663563959	4.750775536	4.576354382	4.714169208	4.712794237	4.825357162	4.479191796	4.531280758	4.718505933
ENSG00000272617	0.034868	0.097187572	0.233277339	1.175502281	**COG8**	protein_coding	component of oligomeric golgi complex 8 [Source:HGNC Symbol;Acc:HGNC:84342]	chr16	69326913	69339667	-1	ensembl_havana	3.159570084	3.042931415	3.276208753	2.978048743	2.957602376	3.193143125	3.157897671	3.35471112	3.31601747
ENSG00000225648	0.034866	0.097187572	-0.16406388	-1.120438824	**SBDSP1**	transcribed_unprocessed_pseudogene	gene;Acc:84342] SBDS, ribosome maturation factor pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:21646]	chr7	72829425	72836701	-1	havana	4.19208926	4.2741212	4.110057319	4.15719285	4.339270518	4.037698841	4.167594302	4.124887815	
ENSG00000013288	0.034883	0.097190104	0.274375127	1.209470119	**MAN2B2**	protein_coding	mannosidase alpha class 2B member 2 [Source:HGNC Symbol;Acc:HGNC:29623]	chr4	6575175	6623362	1	ensembl_havana	5.145247268	5.008059705	5.282434832	4.968909434	4.892457205	5.162812476	5.414145672	5.198253856	5.234904968
ENSG00000169221	0.034881	0.097190104	0.247557795	1.187195719	**TBC1D10B**	protein_coding	TBC1 domain family member 10B [Source:HGNC Symbol;Acc:HGNC:24516]	chr16	30357102	30370264	-1	ensembl_havana	6.003522352	5.879743454	6.127301249	5.850310141	5.874292181	5.914628042	6.266836119	6.103259075	6.011808554
ENSG00000161551	0.03492	0.097200504	0.254908475	1.19326004	**ZNF577**	protein_coding	zinc finger protein 577 [Source:HGNC Symbol;Acc:HGNC:28673]	chr19	51804816	51890950	-1	ensembl_havana	0.848656025	0.721201787	0.976110263	0.637193984	0.614986832	0.911424546	0.807953002	1.063828438	1.056549347
ENSG00000198285	0.034904	0.097200504	0.209393691	1.156202175	**HELZ**	protein_coding	helicase with zinc finger [Source:HGNC Symbol;Acc:HGNC:18878]	chr17	67070438	67245989	-1	ensembl_havana	7.190469503	7.089372657	7.298766348	7.148839279	6.985886577	7.133392116	7.288924057	7.329754245	7.277620743
ENSG00000173681	0.034903	0.097200504	0.185423559	1.137150779	**BCLAF3**	protein_coding	BCLAF1 and THRAP3 family member 3 [Source:HGNC Symbol;Acc:HGNC:27413]	chrX	19912860	19970298	-1	ensembl_havana	4.369354588	4.276642808	4.462006367	4.298201297	4.269877069	4.261850058	4.39476902	4.467784529	4.523645552
ENSG00000184162	0.034909	0.097200504	-0.284823676	-1.21826136	**NR2C2AP**	protein_coding	nuclear receptor 2C2 associated protein [Source:HGNC Symbol;Acc:HGNC:30763]	chr19	19201416	19203424	-1	ensembl_havana	4.386279514	4.528693152	4.241866776	4.228457886	4.59178546	4.765835022	4.166788249	4.244943459	4.321323159
ENSG00000099364	0.034918	0.097200504	-0.320175069	-1.244682042	**FBXL19**	protein_coding	F-box and leucine-rich repeat protein 19 [Source:HGNC Symbol;Acc:HGNC:25300]	chr16	30923055	30948783	1	ensembl_havana	3.82873828	3.988825815	3.668650745	4.189299683	3.880881028	3.897096734	4.10707367	3.551300511	3.347532056
ENSG00000138101	0.034932	0.097213448	0.291484823	1.223899267	**DTNB**	protein_coding	dystrobrevin beta [Source:HGNC Symbol;Acc:HGNC:3058]	chr2	25377198	25673647	-1	ensembl_havana	3.960012154	3.814269729	4.105754551	3.655011191	3.681583669	4.131700936	3.938520645	4.247042073	
ENSG00000109929	0.034973	0.097309391	0.19309854	1.143216417	**SCSD**	protein_coding	sterol-C5-desaturase [Source:HGNC Symbol;Acc:HGNC:10547]	chr11	121292453	121308894	-1	ensembl_havana	6.833216903	6.736667633	6.929766173	6.849061756	6.836726499	6.924214648	6.964998275	7.001000852	6.823299393
ENSG00000121542	0.034996	0.097353733	0.22537978	1.160084962	**SEC22A**	protein_coding	SEC22 homolog A, vesicle trafficking protein [Source:HGNC Symbol;Acc:HGNC:20260]	chr9	123201927	123274130	1	ensembl_havana	4.343722403	4.231032513	4.456412293	4.181339713	4.325988674	4.185767952	4.255027132	4.592099791	4.522109956
ENSG00000173485	0.03506	0.097419133	0.407875958	1.326731064	**SSSCA1**	protein_coding	Sjogren syndrome/scleroderma autoantigen 1 [Source:HGNC Symbol;Acc:HGNC:11328]	chr11	65570430	65573942	-1	ensembl_havana	2.878946927	2.675008948	3.082884905	2.853434339	2.389883326	2.781800078	3.267019432	3.110498652	2.871136632
ENSG00000177830	0.035059	0.097419133	0.24163248	1.182329769	**CHID1**	protein_coding	chitinase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28474]	chr11	867860	915058	-1	ensembl_havana	5.407075517	5.286259277	5.527891757	5.211965455	5.173017357	5.473795018	5.519697305	5.525067154	5.538910811
ENSG00000135597	0.035099	0.097419133	0.19864885	1.14762305	**REPS1**	protein_coding	RALBP1 associated Eps domain containing 1 [Source:HGNC Symbol;Acc:HGNC:15578]	chr6	138903493	138988261	-1	ensembl_havana	5.567506204	5.468181779	5.666838063	5.3735117	5.582002406	5.449001232	5.641625317	5.662571744	5.696294829
ENSG00000086848	0.035053	0.097419133	0.161753925	1.118846282	**ALG9**	protein_coding	ALG9, alpha-1,2-mannosyltransferase [Source:HGNC Symbol;Acc:HGNC:15672]	chr11	111782195	111871581	-1	ensembl_havana	3.570406266	3.489529303	3.651283228	3.290778936	3.619342646	3.558466327	3.431134914	3.761841936	3.760828336
ENSG00000174442	0.035062	0.097419133	-0.200491506	-1.149089767	**ZWILCH**	protein_coding	zwilch kinetochore protein [Source:HGNC Symbol;Acc:HGNC:25468]	chr15	66504959	66550128	1	ensembl_havana	5.577282834	5.677508587	5.447017081	5.468967484	5.816112458	5.747445819	5.374361485	5.510961271	5.545728488
ENSG00000115657	0.035072	0.09745263	-0.474713453	-1.389642183	**ABCB6**	protein_coding	ATP binding cassette subfamily B member 6 (Langeris blood group) [Source:HGNC Symbol;Acc:HGNC:47]	chr2	219209766	219219017	-1	ensembl_havana	0.865283251	1.102639978	0.627926524	1.075455542	1.155163158	1.077301233	0.851734776	0.861296647	0.17074815
ENSG00000121249	0.035086	0.097471646	-0.189317695	-1.140224334	**CDB3**	protein_coding	CDB3 molecule [Source:HGNC Symbol;Acc:HGNC:17033]	chr6	14117256	14136918	1	ensembl_havana	5.308420759	5.403079607	5.213761911	5.473863577	5.477405233	5.26431003	5.364196485	5.382520645	5.054395457
ENSG00000066697	0.035231	0.097768109	0.191303804	1.141795122	**MSANTD3**	protein_coding	aminoacyl tRNA synthetase complex interacting multifunctional protein 2 [Source:HGNC Symbol;Acc:HGNC:29370]	chr9	100427156	100451711	-1	ensembl_havana	4.113536146	4.017884244	4.209188048	3.817901026	4.171215189	4.064536518	4.021008592	4.264198259	4.342357293
ENSG00000112282	0.035254	0.097787131	0.160893713	1.113797484	**MED23**	protein_coding	mediator complex subunit 23 [Source:HGNC Symbol;Acc:HGNC:2374]	chr6	131573966	131628229	-1	ensembl_havana	6.683224391	6.602775534	6.763671247	6.602015853	6.635446274	6.570870476	6.794602449	6.799436445	6.696974848
ENSG00000186260	0.035268	0.097808773	-0.157631195	-1.115454135	**MKL2**	protein_coding	MKL1/myocardin-like 2 [Source:HGNC Symbol;Acc:HGNC:29815]	chr16	14071321	14266773	-1	ensembl_havana	5.39865808	5.477473677	5.319842482	5.525080082	5.418005636	5.489335313	5.373423091	5.27630862	5.309795736
ENSG00000279058	0.035289	0.097833949	0.439038902	1.355700883	**AGAP14P**	unprocessed_pseudogene	ArfGAP with GTPase domain, ankyrin repeat and PH domain 14, pseudogene [Source:HGNC Symbol;Acc:HGNC:23660]	chr10	46337224	46358714	1	ensembl_havana	-0.522019445	-0.742438897	-0.303399994	-0.67394004	-0.967469033	-0.585907617	0.106268156	-0.52165082	-0.494797317
ENSG00000111707	0.035291	0.097833949	0.244145188	1.184390799	**SUDS3**	protein_coding	SDS3 homolog, SIN3A corepressor complex component [Source:HGNC Symbol;Acc:HGNC:29545]	chr12	118376380	118418031	-1	ensembl_havana	6.262460227	6.140387633	6.384532821	6.250528263	6.215472255	6.955162381	6.408243426	6.363942346	6.381412691
ENSG00000157693	0.035328	0.097888658	0.21425386	1.160103771	**TMEM268**	protein_coding	transmembrane protein 268 [Source:HGNC Symbol;Acc:HGNC:24513]	chr9	114611206	114646422	1	ensembl_havana	4.765571592	4.658444662	4.872698522	4.47628667	4.738018868	4.760965448	4.7959082	4.816408402	5.005778964
ENSG00000117676	0.035329	0.097888658	-0.181907185	-1.134382503	**RPS6KA1**	protein_coding	ribosomal protein S6 kinase A1 [Source:HGNC Symbol;Acc:HGNC:10436]	chr1	26529761	26575030	1	ensembl_havana	7.98787997	8.078833563	7.896926377	8.266731462	8.000722275	7.969056952	8.091232171	7.894201108	7.705286853
ENSG00000167969	0.035331	0.097888658	-0.40599244	-1.325000074	**ECI1**	protein_coding	enoyl-CoA delta isomerase 1 [Source:HGNC Symbol;Acc:HGNC:2705]	chr16	2239595	2252300	-1	ensembl_havana	3.63597776	3.83897398	3.43298154	3.689093732	3.724301235	4.103526974	3.565385028	3.375628869	3.357938723
ENSG00000107249	0.035352	0.097927024	-0.691044099	-1.614654498	**GLIS3**	protein_coding	GLIS family zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:28510]	chr9	3824127	4348392	-1	ensembl_havana	2.07735178	2.42287583	1.73183173	2.005254198	2.535453458	2.727919833	1.936429043	1.705026699	1.554039449
ENSG00000109919	0.035372	0.097963124	-0.164943046	-1.121121818	**MTCH2**	protein_coding	mitochondrial carrier 2 [Source:HGNC Symbol;Acc:HGNC:17587]	chr11	47617315	47642623	-1	ensembl_havana	6.752637751	6.835109274	6.670166227	6.809908244	6.853310863	6.842108715	6.606552279	6.676335661	6.727610742
ENSG00000157306	0.0354	0.098021267	0.42281034	1.34053635	**ZFHX2-AS1**	processed_transcript	ZFHX2 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:52654]	chr14	23511760	23560778	1	havana	0.347958319	0.136551349	0.559364489	0.727424294	-0.299011651	-0.018751196	0.851734776	0.478736765	0.347618925
ENSG00000104853	0.035422	0.098065518	0.179936537	1.132834051	**CLPTM1**	protein_coding	CLPTM1, transmembrane protein [Source:HGNC Symbol;Acc:HGNC:2087]	chr19	44954585	44993341	1	ensembl_havana	6.505318951	6.415350682	6.595287219	6.37002429	6.36661726	6.509410497	6.634237113	6.525073018	6.626551527
ENSG00000262468	0.035451	0.09812516	-0.411037134	-1.329641331	**LINC01569**	lincRNA	long intergenic non-protein coding RNA 1569 [Source:HGNC Symbol;Acc:HGNC:53380]	chr16	4245825	4253789	-1	havana	1.656913792	1.862412359	1.451395226	1.833046887	1.749818205	2.004431986	1.669136731	1.452931788	1.232117557
ENSG00000132406	0.03546	0.098132547	-0.232474821	-1.174848575	**TMEM128**	protein_coding	transmembrane protein 128 [Source:HGNC Symbol;Acc:HGNC:28201]	chr4	4235542	4248212	-1	ensembl_havana	3.370399527	3.486636937	3.254162116	3.532086489	3.600163325	3.327662798	3.544758638	3.388394213	3.328334696
ENSG00000138119	0.035501	0.098148631	0.26592092	1.20240334	**MYOF**	protein_coding	myoferlin [Source:HGNC Symbol;Acc:HGNC:3656]	chr10	93306429	93482317	-1	ensembl_havana	9.107149436	8.974188975	9.240109897	9.089072699	8.864177988	8.969316241	9.178663134	9.316188111	9.225498447
ENSG00000161714	0.035498	0.098148631	0.204655339	1.152411002	**PLCD3**	protein_coding	phospholipase C delta 3 [Source:HGNC Symbol;Acc:HGNC:9061]	chr17	45108967	45113354	-1	ensembl_havana	3.976853893	3.874562223	4.079181562	3.83322245	3.877807482	3.912548737	4.166788246	4.024682977	4.04587346
ENSG00000083517	0.035519	0.098148631	0.189926494	1.140705595	**IL32**	protein_coding	interleukin 32 [Source:HGNC Symbol;Acc:HGNC:16830]	chr16	3085297	3082192	1	ensembl_havana	5.830512985	5.741549718	5.931476212	5.879991067	5.831468344	5.713107744	5.954360714	5.923834473	5.918225345
ENSG00000204450	0.03521	0.098148631	0.15633191	1.114450015	**LINC02210**	transcribed_unitary_pseudogene	long intergenic non-protein coding RNA 2210 [Source:HGNC Symbol;Acc:HGNC:26327]	chr17	45620328	45655156	1	havana	5.106638111	5.028472156	5.184804066	5.033342477	5.019577236	5.032406762	5.019609456	5.160598574	5.196921168
ENSG00000117090	0.035517	0.098148631	-0.185479188	-1.137194627	**SLAMF1**	protein_coding	signaling lymphocytic activation molecule family member 1 [Source:HGNC Symbol;Acc:HGNC:10903]	chr1	160608100	160647295	-1	ensembl_havana	8.35293019	8.445669784	8.260190596	8.778516807	8.380035568	8.178476975	8.538932403	8.150664314	8.090975969
ENSG00000180881	0.035508	0.098148631	-0.222611684	-1.171382043	**CAPS2**	protein_coding	calcyphosine 2 [Source:HGNC Symbol;Acc:HGNC:16471]	chr12	75275979	75395928	-1	ensembl_havana	1.182127708	1.49643364	1.288222956	1.553614485	1.428032914	1.507655541	1.356079599	1.040547334	1.402038935
ENSG00000105075	0.03548	0.098148631	-0.289950321	-1.222598177	**TIMM9**	protein_coding	translocase of inner mitochondrial membrane 9 [Source:HGNC Symbol;Acc:HGNC:11819]	chr14	58408494	58427614	-1	ensembl_havana	4.38542005	4.530395211	4.24044489	4.428328947	4.666128586	4.496728099	4.382199812	4.299275781	4.439919076
ENSG00000239911	0.035507	0.098148631	-0.917717833	-1.889124564	**PRKAG2-AS1**	antisense	PRKAG2 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:40468]	chr7	151877042	151879223	1	havana	-0.46604436	-0.007185444	-0.924903276	-0.03191641	-0.036373238	0.046733314	-0.08868711	-1.24204464	-1.445798078
ENSG00000026950	0.035555	0.098225527	-0.22505547	-1.169551564	**BTN3A1**	protein_coding	butyrophilin subfamily 3 member A1 [Source:HGNC Symbol;Acc:HGNC:1138]	chr6	26402237	26415216	1	ensembl_havana	5.189489137	5.302466872	5.070651403	5.401190533	5.242697577	5.263512506	5.035426597	5.020408842	5.173626769
ENSG00000108424	0.03557	0.098247647	-0.163596207	-1.120075675	**RPNB1**	protein_coding	karyopherin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:6400]	chr17	47649476	47685505	1	ensembl_havana	9.547693393	9.629491496	9.465895289	9.632265036	9.603623425	9.595847229	9.426094421	9.496180438	9.475411007
ENSG00000130159	0.03558	0.09825544	0.267169093	1.203444069	**ECSIT**	protein_coding	ECSIT signalling integrator [Source:HGNC Symbol;Acc:HGNC:29548]	chr19	11505916	11529174	-1	ensembl_havana	4.125608434	3.992023888	4.259152981	3.926652984	3.845595809	4.20382287	4.291251919	4.226329326	4.259976596
ENSG00000239887	0.03562	0.098348145	0.325709655	1.25328077	**C1orf226**	protein_coding	chromosome 1 open reading frame 226 [Source:HGNC Symbol;Acc:HGNC:34151]	chr1	162366908	162386818	1	ensembl_havana	2.659137315	2.496282488	2.821992143	1.940704441	2.646460224	2.901682799	2.50808372	2.970908466	2.986984242
ENSG00000100243	0.035652	0.098416457	0.19871206	1.147673332	**CYB5R3**	protein_coding	cytochrome b5 reductase 3 [Source:HGNC Symbol;Acc:HGNC:2873]	chr22	42617840	42649568	-1	ensembl_havana	5.577884571	5.478528541	5.6772406	5.430868342	5.52720698	5.4775103	5.74971429	5.657600565	5.624406947
ENSG00000158486	0.035663	0.098427881	0.534697814	1.448638892	**DNAH3**	protein_coding	dynein axonemal heavy chain 3 [Source:HGNC Symbol;Acc:HGNC:2946]	chr16	20933111	21159441	-1	ensembl_havana	0.661773352	0.394424445	0.929122259	-0.14746469	0.547923368	0.078280563	0.739683594	1.210694826	0.836988357
ENSG00000247095	0.035684	0.098430907	0.326316925	1.253808422	**MIR210HG**	lincRNA	MIR210 host gene [Source:HGNC Symbol;Acc:HGNC:39524]	chr11	565660	568457	-1	havana	0.730998222	0.567839759	0.894156684	0.490295136	0.636663181	0.57656096	1.052687018	0.715834679	0.913948357
ENSG00000132467	0.035691	0.098430907	0.180523495	1.133295037	**UTP3**	protein_coding	UTP3, small subunit processome component [Source:HGNC Symbol;Acc:HGNC:24477]	chr4	70688479	70690551	1	ensembl_havana	6.425598978	6.33533723	6.515860725	6.381794423	6.347027641	6.277189626	6.510375705	6.490345497	6.566860913
ENSG00000120837	0.03569	0.098430907	-0.208571754	-1.155543647	**NFYB**	protein_coding	nuclear transcription factor Y subunit beta [Source:HGNC Symbol;Acc:HGNC:7805]	chr12	104117077	104138289	-1	ensembl_havana	4.467428134	4.571714011	4.363142257	4.573763101	4.553838016	4.587549916	4.230361879	4.40136454	4.457703978
ENSG00000186666	0.035677	0.098430907	-0.311264257	-1.240794552	**BCDIN3D**	protein_coding	BCDIN3 domain containing RNA methyltransferase [Source:HGNC Symbol;Acc:HGNC:27050]	chr12	49836039	49843129	-1	ensembl_havana	3.671372627	3.827004756	3.515740498	3.838293645	3.940150332	3.70257029	3.275081252	3.69131825	3.580821993
ENSG00000237807	0.035781	0.098544158	-0.173596664	-1.127866775	**AC022034.2**	lincRNA	enhancer of zeste 1 polycomb repressive complex 2 subunit [Source:HGNC Symbol;Acc:HGNC:35191]	chr8	53515171	53523931	-1	havana	5.665862058	5.75266099	5.579064126	5.892973177	5.657501514	5.707508279	5.647847497	5.541351573	5.547993907
ENSG00000273356	0.035803	0.098560075	0.775163604	1.713921209	**LINC02019**	lincRNA	RB binding protein 4, chromatin remodeling factor [Source:HGNC Symbol;Acc:HGNC:28213]	chr3	50669989	50672048	1	ensembl_havana	-0.343034286	-0.703842438	0.044773866	-0.41068187	-0.34076431	-1.441097313	0.032074365	0.02879206	0.073455173
ENSG00000146087	0.035796	0.098560075	0.245743932	1.185704027	**FAM193B**	protein_coding	leucine rich repeat containing 32 [Source:HGNC Symbol;Acc:HGNC:29370]	chr5	177519788	177554541	-1	ensembl_havana	5.392960276	5.27008831	5.515832242	5.175363862	5.304924383	5.329958685	5.59004092	5.399676988	5.557768919
ENSG00000122481	0.03581	0.098560075	0.196331047	1.145780784	**RWDD3**	protein_coding	family with sequence similarity 193 member B [Source:HGNC Symbol;Acc:HGNC:25524]	chr1	95234155	95247225	1	ensembl_havana	1.595410685	1.497245161	1.693576208	1.312554705	1.603393164	1.575787614	1.541278047	1.881076089	1.65837449
ENSG00000210151	0.035814	0.098560075	-0.265432805	-1.201996592	**MT-TS1**	Mt_tRNA	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:7497]	chrMT	7446	7514	-1	insdc	1.93932606	2.072042462	1.806609657	2.058370044	2.220801645	1.936952697	1.962267113	1.748424202	1.745178056
ENSG00000100284	0.035828	0.098580212	0.192228834	1.142527455	**TOM1**	protein_coding	mitochondrially encoded tRNA serine 1 (UCN) [Source:HGNC Symbol;Acc:HGNC:11982]	chr22	35299275	35347994	1	ensembl_havana	4.230353187	4.13423877	4.326467604	4.122277808	4.124036797	4.156401706	4.318811065	4.40983618	4.250755567
ENSG00000107338	0.035841	0.098596292	-0.264645394	-1.201340731	**SNB**	protein_coding	target of myb1 membrane trafficking protein [Source:HGNC Symbol;Acc:HGNC:30833]	chr9	37919134	38069211	-1	ensembl_havana	3.735471752	3.867794449	3.603149055	3.550741415	3.829216193	4.223425739	3.456169357	3.584613649	3.76866416
ENSG00000148300	0.035852	0.098609305	0.191476193	1.143931564	**REXO4**	protein_coding	SH2 domain containing adaptor protein B [Source:HGNC Symbol;Acc:HGNC:12820]	chr9	133406059	133418096	-1	ensembl_havana	5.65297566	5.557233563	5.548731756	5.454301936	5.543076533	5.670334423	5.705657068	5.788103514	5.752380686
ENSG00000110324	0.035912	0.098736504	0.173631193	1.127893769	**IL10RA**	protein_coding	interleukin 10 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:5964]	chr11	117986348	118003037	1	ensembl_havana	8.228715915	8.141900318	8.315535151	8.420673107	8.014230664	7.990797183	8.670432468	8.145346343	8.130815723
ENSG00000214562	0.03908	0.098736504	-0.329118027	-1.256245151	**NUTM2D**	protein_coding	NUT family member 2D [Source:HGNC Symbol;Acc:HGNC:26447]	chr10	87357668	87370695	1	ensembl_havana	0.06235706	0.226916074	-0.102201953	0.355307344	0.185737694	0.139703184	-0.17198403	0.130707766	-0.265329594
ENSG00000248092	0.03592	0.09873775	-0.217400638	-1.162636928	**NNT-AS1**	antisense	NNT antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:49005]	chr5	43571594	43603230	-1	havana	4.8104535	4.939158919	4.701753181	4.736070601	5.027803265	4.993587592	4.663984316	4.720667691	4.730607536
ENSG00000173011	0.035941	0.098759286	0.195436055	1.145070206	**TADA2B**	protein_coding	transcriptional adaptor 2B [Source:HGNC Symbol;Acc:HGNC:30781]	chr4	7041899	7057952	1	ensembl_havana	4.283249416	4.185531388	4.380967443	4.247639431	4.171215189	4.137739545	4.473948226	4.448177619	4.220776485
ENSG00000151292	0.035936	0.098759286	0.160410857	1.117605369	**CSNK1G3**	protein_coding	casein kinase 1 gamma 3 [Source:HGNC Symbol;Acc:HGNC:2456]	chr5	123512099	123617045	1	ensembl_havana	5.473644019	5.393438591	5.553849448	5.455004303	5.441287214	5.284024256	5.635376184	5.561261852	5.464910307
ENSG00000132326	0.035951	0.098766353	-0.210719262	-1.157265	**PER2**	protein_coding	period circadian regulator 2 [Source:HGNC Symbol;Acc:HGNC:8846]	chr2	238244038	238290102	-1	ensembl_havana	3.533706886	3.639065717	3.428346455	3.880693918	3.461295901	3.575207333	3.565385028	3.388529978	3.337130358
ENSG00000169682	0.03983	0.098799822	0.238700951	1.179929737	**SPNS1**	protein_coding	sphingolipid transporter 1 (putative) [Source:HGNC Symbol;Acc:HGNC:30621]	chr16	28974221	28984548	1	ensembl_havana	5.541703512	5.422353037	5.661053988	5.14220989	5.070631912	5.554217307	5.276538753	5.737534657	5.969088554
ENSG00000102543	0.035979	0.098799822	0.203911935	1.151817331	**CDADC1**	protein_coding	cytidine and dCMP deaminase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20299]	chr13	49247925	49293485	-1	ensembl_havana	3.4555315	3.353575533	3.557487467	3.369953701	3.389700035	3.301072863	3.67911428	3.474581809	3.517496313
ENSG00000244879	0.03984	0.098799822	-0.187406175	-1.138714577	**GABPB1-AS1**	antisense	GABPB1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44157]	chr15	50354959	50372202	1	havana	5.898396843	5.99209993	5.804693755	6.081730794	5.778216757	6.116352239	5.855652395	5.692738824	5.865690047
ENSG00000153922	0.036013	0.098823579	-0.172855733	-1.12728768	**CHD1**	protein_coding	chromodomain helicase DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:1915]	chr5	98853985	98828957	-1	ensembl_havana	7.456289886	7.542717753	7.369862019	7.637544166	7.513694307	7.476914786	7.38982087	7.375237119	7.344528069
ENSG00000008441	0.036	0.098823579	-0.175652319	-1.129474985	**NFIX**	protein_coding	nuclear factor I X [Source:HGNC Symbol;Acc:HGNC:7788]	chr19	12995608	13098796	1	ensembl_havana	6.645360973	6.533133132	6.357480813	6.685989186	6.437410781	6.475999431	6.569748995	6.279555016	6.223138428
ENSG00000115484	0.036009	0.098823579	-0.181647813	-1.134178579	**CCT4**	protein_coding	chaperonin containing TCP1 subunit 4 [Source:HGNC Symbol;Acc:HGNC:1617]	chr2	61868089	61888804	-1	ensembl_havana	9.187810671	9.278634578	9.096986765	9.133841508	9.251567433	9.450494792	9.035140982	9.009312091	9.17850722
ENSG00000094975	0.036063	0.098931115	0.139602689	**SUCO**	protein_coding	SUN domain containing ossification factor [Source:HGNC Symbol;Acc:HGNC:1240]	chr1	172532349	172611833	1	ensembl_havana	6.870634953	6.776369488	6.964900419	6.874277387	6.824678398	6.630152677	6.96188022	7.038360644	6.894460393
ENSG00000154945	0.036066	0.098931115	0.156562332	1.114628025	**ANKRD40**	protein_coding	ankyrin repeat domain 40 [Source:HGNC Symbol;Acc:HGNC:28213]	chr17	50693190	50707924	-1	ensembl_havana	6.010331166	5.93205	6.088612333	5.95498343	5.952533043	5.888633528	6.089051251	6.124517615	6.052268132
ENSG00000270164	0.036111	0.099037528	-0.258151212	-1.19594514	**LINC01480**	lincRNA	long intergenic non-protein coding RNA 1480 [Source:HGNC Symbol;Acc:HGNC:51124]	chr19	41535183	41536904	1	havana	0.164999648	0.294075255	0.035926402	0.040274975	0.243188951	0.598563838	-0.12879794	0.097529431	0.139040636
ENSG00000257337	0.036187	0.099225184	0.198325811	1.14736611	**AC068888.1**	antisense		chr12	53014596	53054438	-1	havana	2.266866505	2.1677036	2.366029411	2.075653419	2.139629423	2.287827958	2.37188541	2.351143587	2.375059235
ENSG00000155380	0.036226	0.099312689	-0.16797644	-1.123481556	**SLC16A1**	protein_coding	solute carrier family 16 member 1 [Source:HGNC Symbol;Acc:HGNC:10922]	chr1	112911847	112957013	-1	ensembl_havana	7.122502076	7.206490296	7.038513856	7.084750648	7.065739681	7.087243062	6.962558826		
ENSG00000163430	0.03627	0.099376647	0.440672553	1.357236894	**FSTL1**	protein_coding	follistatin like 1 [Source:HGNC Symbol;Acc:HGNC:3972]	chr3	120392293	120451253	-1	ensembl_havana	0.990444716	0.77018844	1.210780993	0.613726219	1.013233389	0.683365711	0.935503283	1.179325527	1.157514168
ENSG00000158552	0.036265	0.099376647	0.313300436	1.24254701	**ZFAND2B**	protein_coding	zinc finger AN1-type containing 2B [Source:HGNC Symbol;Acc:HGNC:25206]	chr2	219195237	219209651	1	ensembl_havana	3.176168913	3.019518695	3.332819131	2.892874923	3.089199779	3.076481383	3.452619495	3.19134646	3.354491438
ENSG00000140386	0.036257	0.099376647	0.167403065	1.123035136	**SCAPER**	protein_coding	S-phase cyclin A associated protein in the ER [Source:HGNC Symbol;Acc:HGNC:19381]	chr15	76347904	76905444	-1	ensembl_havana	5.163055482	5.070935949	5.246757014	4.995256012	4.986159503	5.256809934	5.100386794	5.178573182	5.465310868
ENSG00000129187	0.03628	0.099385178	-0.163012725	-1.118071713	**DCTD**	protein_coding	dCMP deaminase [Source:HGNC Symbol;Acc:HGNC:2710]	chr4	182

					SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1 [Source:HGNC Symbol;Acc:HGNC:18398]													
ENSG00000163104	0.043912	0.111816219	-0.172794775	-1.127240049	**SMARCAD1**	protein_coding	chr4	94207611	94291292	1	ensembl_havana	6.965264136	7.051661523	6.878866749	7.064800173	7.035683824	7.054500573	6.794602449	6.906582256	6.935415541
ENSG00000119986	0.043939	0.111853288	0.57189222	1.48647193	**AVPI1**	protein_coding	chr10	97677424	97687323	-1	ensembl_havana	0.246931911	-0.0390142	0.532878021	-0.273079956	0.243386951	-0.087349994	0.851734776	0.399280361	0.347618925
					arginine vasopressin induced 1 [Source:HGNC Symbol;Acc:HGNC:30898]													
ENSG00000164021	0.043953	0.111868788	0.163086384	1.118128644	**ZNF691**	protein_coding	chr1	42845573	42852477	1	ensembl_havana	4.531673349	4.421130257	4.582216441	4.316487184	4.520706172	4.426197415	4.547343787	4.62884054	4.570455996
ENSG00000267478	0.044068	0.112141292	0.54530245	1.459326249	**AP002414.3**	processed_pseudogene	chr18	12091674	12093141	-1	havana	0.027679955	-0.24497131	0.30033114	-0.14746469	-0.428075095	-0.159374151	0.540060475	0.504278656	-0.143345712
ENSG00000042445	0.044105	0.112215473	0.160753976	1.113781204	**RETSAT**	protein_coding	chr2	85342088	85354620	-1	ensembl_havana	6.185228356	6.104851367	6.265605344	6.161786229	6.157142197	5.995625677	6.272887471	6.2970468	6.226913881
					defective in cullin neddylation 1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18184]													
ENSG00000043093	0.044202	0.112139 02	0.149244008	1.108988195	**DCUN1D1**	protein_coding	chr3	182938074	182985953	-1	ensembl_havana	6.245568837	6.170947833	6.320191841	6.095032634	6.243996769	6.173814095	6.273893566	6.398406845	6.288275111
					2-aminoethanethiol dioxygenase [Source:HGNC Symbol;Acc:HGNC:25706]													
ENSG00000181915	0.044195	0.1123902	0.1476239	1.10774353	**ADO**	protein_coding	chr10	62804857	62808483	1	ensembl_havana	4.548416263	4.474604313	4.622228213	4.558479799	4.471799458	4.393533683	4.677732971	4.625943765	4.563007904
					TM2 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24142]													
ENSG00000162604	0.044205	0.1123902	-0.148095195	-1.108105463	**TM2D1**	protein_coding	chr1	61683046	61725423	-1	ensembl_havana	4.254909727	4.328957324	4.180862129	4.450024596	4.287112591	4.249734786	4.303127503	4.110529916	4.128928969
					HIRA interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:4917]													
ENSG00000149929	0.044191	0.1123902	-0.184806166	-1.136664246	**HIRIP3**	protein_coding	chr16	29992321	29996436	-1	ensembl_havana	5.051239958	5.143643041	4.958836875	4.965437178	5.156231424	5.302926523	4.853573765	5.031757896	5.005778964
					kinetochore localized astrin/SPAG5 binding protein [Source:HGNC Symbol;Acc:HGNC:30767]													
ENSG00000128944	0.04423	0.112415139	-0.18501975	-1.136832536	**KNSTRN**	protein_coding	chr15	40382721	40394246	1	ensembl_havana	5.918124415	6.01063429	5.82561454	5.732005029	6.131130434	6.168767407	5.666354627	5.874496164	5.935992829
					olfactory receptor family 2 subfamily W member 6 pseudogene [Source:HGNC Symbol;Acc:HGNC:15072]													
ENSG00000168126	0.044225	0.112415139	-0.487467678	-1.401981856	**OR2W6P**	unprocessed_pseudogene	chr6	27937465	27938403	1	havana	0.104602766	0.348316605	-0.139131073	0.437805725	0.271370116	0.335833975	0.339398945	-0.15890847	-0.597883695
					ubiquitin conjugating enzyme E2 S [Source:HGNC Symbol;Acc:HGNC:17895]													
ENSG00000108106	0.044294	0.112558565	-0.182458499	-1.134816081	**UBE2S**	protein_coding	chr19	55399745	55407777	-1	ensembl_havana	5.535929882	5.627159132	5.444700633	5.609812762	5.638156414	5.63351002	5.542418588	5.410693312	5.380989997
					G protein nucleolar 3 like [Source:HGNC Symbol;Acc:HGNC:25513]													
ENSG00000130119	0.044369	0.112727819	-0.19284391	-1.143014682	**GNL3L**	protein_coding	chrX	54530211	54561071	-1	ensembl_havana	5.30510479	5.402526745	5.208682835	5.28435456	5.341699971	5.578525965	5.046065911	5.280010249	5.299937345
					formin binding protein 1 like [Source:HGNC Symbol;Acc:HGNC:20851]													
ENSG00000137942	0.044379	0.112733757	0.179571508	1.132547459	**FNBP1L**	protein_coding	chr1	91448131	93554661	1	ensembl_havana	5.414520799	5.324735045	5.504306553	5.107675946	5.352382995	5.514146193	5.394853215	5.502272618	5.615793825
					FLYWCH-type zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:25404]													
ENSG00000059122	0.044395	0.112734235	0.264256956	1.201017319	**FLYWCH1**	protein_coding	chr16	2911937	2951208	1	ensembl_havana	4.349265147	4.217136669	4.481399625	4.21876443	4.063105939	4.371339638	4.673164629	4.344168079	4.426848166
					protein phosphatase 2 regulatory subunit B'alpha [Source:HGNC Symbol;Acc:HGNC:9305]													
ENSG00000066027	0.044391	0.112734235	0.152330326	1.111363162	**PPP2R5A**	protein_coding	chr1	212285537	212361863	1	ensembl_havana	6.525831795	6.449666632	6.601996958	6.435056031	6.354382583	6.678216785	6.57263046	6.555143628	
					ring finger protein 115 [Source:HGNC Symbol;Acc:HGNC:18154]													
ENSG00000265491	0.044417	0.112770394	0.165391517	1.12147038	**RNF115**	protein_coding	chr1	145738868	145824077	-1	ensembl_havana	6.414280842	6.331512284	6.4969038	6.439663537	6.371473382	6.183399932	6.624804897	6.456398022	6.409508482
					GDP-mannose 4,6-dehydratase [Source:HGNC Symbol;Acc:HGNC:4369]													
ENSG00000112699	0.044448	0.112830096	0.176032018	1.129772288	**GMDS**	protein_coding	chr6	1623806	2245692	-1	ensembl_havana	4.078114046	3.990098336	4.166130055	3.919492919	3.877807482	4.172993708	4.118320023	4.131170126	4.248900015
					transmembrane 41 a like family member 1 [Source:HGNC Symbol;Acc:HGNC:11853]													
ENSG00000169908	0.044459	0.112836925	0.506706819	1.142803282	**TMASF1**	protein_coding	chr3	149369022	149377865	-1	ensembl_havana	1.610363513	1.357010104	1.863716922	0.872903038	1.749818205	1.448309068	1.874101935	1.910030375	1.807016457
					eukaryotic translation elongation factor 1 alpha 1 pseudogene 5 [Source:HGNC Symbol;Acc:HGNC:32002]													
ENSG00000196205	0.044559	0.11307031	0.206066806	1.15353902	**EEF1A1P5**	processed_pseudogene	chr9	133019486	133020874	1	havana	2.47027476	2.367241358	2.573308163	2.484286696	2.206378717	2.411006059	2.735442517	2.551765043	2.467316929
ENSG00000237463	0.044579	0.113100878	0.847711265	1.779643805	**AL137716.2**	antisense	chr1	165478841	165582155	-1	havana	0.48046162	0.056605988	0.904317253	-0.552830106	0.477608744	0.255059383	1.071324589	0.602109945	1.039476224
					ankyrin repeat domain 23 [Source:HGNC Symbol;Acc:HGNC:24070]													
ENSG00000163126	0.04459	0.113108431	0.369146335	1.291588352	**ANKRD23**	protein_coding	chr2	96824526	96857934	-1	ensembl_havana	0.826720956	0.642147788	1.011294124	0.383334258	0.799208866	0.743848241	1.107892607	0.999426194	0.932503571
					5nt2 related CREBBP activator protein [Source:HGNC Symbol;Acc:HGNC:16974]													
ENSG00000080603	0.044602	0.113120903	0.231141164	1.173763022	**SRCAP**	protein_coding	chr16	30698209	30741409	1	ensembl_havana	2.103431499	1.987860917	2.219002081	2.214735639	1.891786655	1.857063492	2.270688985	2.271570328	2.114746929
					ankyrin repeat domain 20 family member A2 [Source:HGNC Symbol;Acc:HGNC:20284]													
ENSG00000197555	0.044621	0.113147869	0.146723516	1.100752404	**SPAG11**	protein_coding	chr14	71320449	71741229	1	ensembl_havana	6.001787425	5.928425667	6.075140183	5.972668871	5.924169743	5.885840389	6.126849702	6.091721585	6.006876262
ENSG00000284954	0.044657	0.113219799	-0.300195307	-1.213311092	**AL662884.3**	bidirectional_promoter_lncRNA	chr6	32152802	32154365	-1	havana	1.023223427	1.17332108	0.873125774	1.355833303	1.324992307	0.81931763	1.125834805	0.798933071	0.734629445
					long intergenic non-protein coding RNA 1619 [Source:HGNC Symbol;Acc:HGNC:52814]													
ENSG00000257242	0.044676	0.113247257	-0.241713301	-1.182396605	**LINC01619**	processed_transcript	chr12	91984976	92142914	-1	havana	-0.434452043	-0.313595393	-0.955308693	0.383334258	-0.34076431	-0.983356126	-0.00649342	-0.62862566	-1.030806998
					transmembrane protein 150A [Source:HGNC Symbol;Acc:HGNC:24677]													
ENSG00000168890	0.044708	0.113308759	-0.269048296	-1.205012653	**TMEM150A**	protein_coding	chr2	85598548	85603196	-1	ensembl_havana	1.382795731	1.513719879	1.248271584	1.490591983	1.452682866	1.608844788	1.161063346	1.413033531	1.170717874
					HMGN3 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:48984]													
ENSG00000270362	0.044792	0.113481349	0.366532832	1.289250703	**HMGN3-AS1**	antisense	chr6	79233718	79236797	1	havana	0.959000982	0.775742666	1.142275498	0.613726219	0.855801933	0.857699845	1.325353043	1.114663419	0.987000332
ENSG00000274528	0.044787	0.113481349	-0.260488347	-1.197884115	**AC090970.3**	sense_intronic	chr15	52017167	52018032	-1	havana	2.129975385	2.236219558	1.999721211	2.362851808	2.220801645	2.197095222	2.080556387	1.796643034	2.138994213
					ELOVL fatty acid elongase 4 [Source:HGNC Symbol;Acc:HGNC:14415]													
ENSG00000118402	0.04482	0.113511293	0.253895384	1.192422402	**ELOVL4**	protein_coding	chr6	79914812	79947580	-1	ensembl_havana	4.531946362	4.40499867	4.658894054	4.54768433	4.589008315	4.078303364	4.683801679	4.741870088	4.555100395
					BRD4 interacting chromatin remodeling complex associated protein [Source:HGNC Symbol;Acc:HGNC:4312]													
ENSG00000003169	0.044817	0.113511293	0.205386266	1.152995008	**BICRA**	protein_coding	chr19	47608196	47703277	1	ensembl_havana	3.431099334	3.328406201	3.533792467	3.390813464	3.327754334	3.366050805	3.744444859	3.392817101	3.464115441
ENSG00000108839	0.044898	0.113689649	-0.173962054	-1.128152464	**SYNGR2**	protein_coding	chr17	78168558	78173527	1	ensembl_havana	7.530498682	7.617479709	7.443515655	7.647389686	7.657472967	7.551072473	7.564021404	7.470474904	7.295483658
					charged multivesicular body protein 5 [Source:HGNC Symbol;Acc:HGNC:25675]													
ENSG00000176108	0.044949	0.113798114	0.476405974	1.39127342	**CHMP6**	protein_coding	chr17	80991598	81009517	1	ensembl_havana	3.747272542	3.509069555	3.985475529	3.3380874	3.367185482	3.821935783	4.044780323	4.089590121	3.822056143
					zinc finger protein 407 [Source:HGNC Symbol;Acc:HGNC:19904]													
ENSG00000215421	0.044993	0.113888822	0.148677694	1.108552959	**ZNF407**	protein_coding	chr18	74597870	75065671	-1	ensembl_havana	4.577875197	4.503535635	4.652124044	4.500480622	4.514885653	4.495262794	4.614010932	4.695502837	4.647128362
					tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein beta [Source:HGNC Symbol;Acc:HGNC:12849]													
ENSG00000166913	0.045045	0.113941244	0.148296511	1.108260101	**YWHAB**	protein_coding	chr20	44885676	44908552	1	ensembl_havana	9.279404953	9.205256698	9.261356696	9.100131959	9.261356696	9.254281173	9.326512506	9.372208229	9.422388991
					Sp1 transcription factor [Source:HGNC Symbol;Acc:HGNC:11205]													
ENSG00000185591	0.045062	0.113941244	-0.151250265	-1.110531461	**SP1**	protein_coding	chr12	53380176	53416446	1	ensembl_havana	7.057707242	7.133323375	6.98208211	7.169860308	7.111658074	7.118478743	6.969973188	6.981525597	6.994745545
					WD repeat domain 12 [Source:HGNC Symbol;Acc:HGNC:14098]													
ENSG00000138442	0.045031	0.113941244	-0.156540262	-1.114610973	**WDR12**	protein_coding	chr1	202874782	203014798	-1	ensembl_havana	6.2948556	6.373125731	6.216585469	6.405906646	6.346618585	6.316165764	6.243988714	6.21431393	
					hydroxysteroid 17-beta dehydrogenase 7 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:28120]													
ENSG00000099251	0.04504	0.113941244	-0.313945616	-1.241386695	**HSD17B7P2**	transcribed_unprocessed_pseudogene	chr10	38356380	38378505	1	ensembl_havana	2.026835642	2.18280845	1.870862834	2.23025056	2.389883326	1.928291464	2.025141822	1.790554303	1.796892377
					glycerate kinase [Source:HGNC Symbol;Acc:HGNC:24247]													
ENSG00000168237	0.04508	0.11401051	0.301954333	1.232813301	**GLYCTK**	protein_coding	chr3	52287089	52293476	1	ensembl_havana	3.344052429	3.319375263	3.405529595	3.027727485	3.165741616	3.385756687	3.37972385	3.680155819	3.425200116
					kinesin family member C1 [Source:HGNC Symbol;Acc:HGNC:6389]													
ENSG00000237649	0.045213	0.114326889	-0.19910371	-1.147984936	**KIFC1**	protein_coding	chr6	33393536	33409924	1	ensembl_havana	7.054194536	7.153746391	6.954642681	6.948556037	7.191631557	7.32105158	6.86506006	7.01022298	6.988645002
					long intergenic non-protein coding RNA 894 [Source:HGNC Symbol;Acc:HGNC:48579]													
ENSG00000235703	0.045222	0.114327781	-0.160205373	-1.117446199	**LINC00894**	antisense	chrX	149938628	150224580	1	havana	2.713631102	2.793733788	2.633528415	2.897741056	2.608571783	2.874888526	2.663565071	2.491852285	2.745167891
					SERTA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30784]													
ENSG00000179883	0.045241	0.114356949	-0.145267554	-1.105935735	**SERTAD2**	protein_coding	chr2	64631621	64751005	-1	ensembl_havana	7.045029508	7.117663285	6.97239573	7.207990159	7.058447488	7.087452208	7.042608792	6.913152209	6.961426191
					tumor protein p53 [Source:HGNC Symbol;Acc:HGNC:11998]													
ENSG00000141510	0.045279	0.114413474	0.18530685	1.137058791	**TP53**	protein_coding	chr17	7661779	7687550	-1	ensembl_havana	4.719648427	4.626995002	4.812301852	4.572242036	4.584832871	4.7239101	4.738759141	4.884855267	4.813291149
					ELOVL fatty acid elongase 1 [Source:HGNC Symbol;Acc:HGNC:14418]													
ENSG00000066322	0.045299	0.114663062	0.160500718	1.113767484	**ELOVL1**	protein_coding	chr1	43363397	43368074	-1	ensembl_havana	6.51392728	6.433676921	6.594176939	6.412294904	6.417200595	6.347153263	6.597178639	6.622705508	6.558143773
ENSG00000108468	0.045308	0.114665511	-0.147627744	-1.107746481	**CBX1**	protein_coding	chr17	48070052	48101521	-1	ensembl_havana	7.241379014	7.315192886	7.167565142	7.306038031	7.304959933	7.334634694	7.141208425	7.136821656	7.222665345
					chromobox 1 [Source:HGNC Symbol;Acc:HGNC:1551]													
ENSG00000237298	0.045329	0.114482435	0.187099698	1.138472701	**TTN-AS1**	antisense	chr2	178521183	178779963	1	havana	7.000409446	6.990859597	7.093959295	7.246486224	6.635446274	7.018466294	7.320427839	6.927383639	7.034066407
					TTN antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44124]													
ENSG00000096401	0.045339	0.114482435	-0.16192837	-1.118781552	**CDC5L**	protein_coding	chr6	44387525	44450426	1	ensembl_havana	7.35800555	7.438964735	7.277036365	7.548102473	7.445678866	7.323117855	7.297018114	7.221792626	
					cell division cycle 5 like [Source:HGNC Symbol;Acc:HGNC:1743]													
ENSG00000102931	0.045331	0.114482435	-0.194903116	-1.144647289	**ARL2BP**	protein_coding	chr16	57245098	57253635	1	ensembl_havana	6.262591222	6.36004278	6.165139664	6.324672039	6.436252473	6.319203828	6.114547143	6.129855405	6.252126398
					ADP ribosylation factor like GTPase 2 binding protein [Source:HGNC Symbol;Acc:HGNC:17146]													
ENSG00000157653	0.045405	0.114566974	0.232082746	1.17452935	**C9orf43**	protein_coding	chr9	113410054	113429884	1	ensembl_havana	1.13509492	1.019053547	1.252136293	0.705390237	0.927899934	1.423870469	1.125834805	1.097781778	1.529702296
					chromosome 9 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:29576]													
ENSG00000198964	0.045387	0.114566974	0.123028553	1.174485216	**SGMS1**	protein_coding	chr10	50305586	50625163	-1	ensembl_havana	5.045998768	4.929984492	5.162013044	4.864557476	5.046142112	4.879153887	5.287362276	5.16460889	5.034067967
					sphingomyelin synthase 1 [Source:HGNC Symbol;Acc:HGNC:29799]													
ENSG00000167615	0.045392	0.114566974	0.205973062	1.153464067	**LENG8**	protein_coding	chr19	54448887	54462037	1	ensembl_havana	8.742473302	8.639486771	8.845459833	8.763766532	8.419725575	8.734968206	9.054533339	8.69612857	8.785717591
					leukocyte receptor cluster member 8 [Source:HGNC Symbol;Acc:HGNC:15500]													
ENSG00000123154	0.045412	0.114566974	0.18260209	1.134929671	**WDR83**	protein_coding	chr19	12668800	12675832	1	ensembl_havana	3.229978273	3.318676823	3.321279723	3.075752348	3.150754678	3.189523443	3.302948055	3.406428015	3.254463098
					WD repeat domain 83 [Source:HGNC Symbol;Acc:HGNC:32672]													
ENSG00000174428	0.045402	0.114566974	0.156858493	1.114702321	**GTF2IRD2B**	protein_coding	chr7	75092573	75149817	1	ensembl_havana	2.421654121	2.343324875	2.499583368	2.312725596	2.402591162	2.314608866	2.521699999	2.498222232	2.480027873
ENSG00000228327	0.04543	0.114592682	-0.158872645	-1.131691792	**AL606831.1**	transcribed_unprocessed_pseudogene	chr1	725885	778426	-1	havana	2.159221293	2.277997616	2.183819755	2.190964128	2.276637703	2.264079948	2.198702227	2.172302736	
ENSG00000244468	0.045479	0.114653782	1.263520776	2.400809239	**AC093001.1**	antisense	chr3	149284782	149333653	1	havana	-0.156509711	-0.998270099	0.275250677	-2.51386715	-0.620150959	0.16904781	0.069637898	-0.08087422	0.836988357
					beta-undecaprenone 1 [Source:HGNC Symbol;Acc:HGNC:16297]													
ENSG00000100024	0.045469	0.114653782	0.725565424	1.651548572	**UPB1**	protein_coding	chr22	24494107	24528390	1	ensembl_havana	-0.408803803	-0.771586515	-0.046021091	-0.41068387	-1.104596936	-0.799487838	-0.21650287	0.343769191	-0.265329594
					zinc finger and BTB domain containing 34 [Source:HGNC Symbol;Acc:HGNC:31446]													
ENSG00000177125	0.045467	0.114653782	0.143536432	1.104609494	**ZBTB34**	protein_coding	chr9	126860665	126885878	1	ensembl_havana	6.102290886	6.03052267	6.174059102	6.078214977	6.098308216	6.920646818	6.21748923	6.24646243	6.060225648
					SMG9, nonsense mediated mRNA decay factor [Source:HGNC Symbol;Acc:HGNC:25763]													
ENSG00000108964	0.045387	0.114566974	0.123028553	1.174485216	**SGMS1**	protein_coding	chr10	50305586	50625163	-1	ensembl_havana	5.045998768	4.929984492	5.162013044	4.864557476	5.046142112	4.879153887	5.287362276	5.16460889	5.034067967
					leukocyte receptor cluster member 8 [Source:HGNC Symbol;Acc:HGNC:15500]													
ENSG00000167615	0.045392	0.114566974	0.205973062	1.153464067	**LENG8**	protein_coding	chr19	54448887	54462037	1	ensembl_havana	8.742473302	8.639486771	8.845459833	8.763766532	8.419725575	8.734968206	9.054533339	8.69612857	8.785717591
					WD repeat domain 83 [Source:HGNC Symbol;Acc:HGNC:32672]													
ENSG00000123154	0.045412	0.114566974	0.18260209	1.134929671	**WDR83**	protein_coding	chr19	12668800	12675832	1	ensembl_havana	3.229978273	3.318676823	3.321279723	3.075752348	3.150754678	3.189523443	3.302948055	3.406428015	3.254463098
					GTF2I repeat domain containing 2B [Source:HGNC Symbol;Acc:HGNC:33125]													
ENSG00000174428	0.045402	0.114566974	0.156858493	1.114702321	**GTF2IRD2B**	protein_coding	chr7	75092573	75149817	1	ensembl_havana	2.421654121	2.343324875	2.499583368	2.312725596	2.402591162	2.314608866	2.521699999	2.498222232	2.480027873
ENSG00000228327	0.04543	0.114592682	-0.158872645	-1.131691792	**AL606831.1**	transcribed_unprocessed_pseudogene	chr1	725885	778426	-1	havana	2.159221293	2.277997616	2.183819755	2.190964128	2.276637703	2.264079948	2.198702227	2.172302736	
ENSG00000244468	0.045479	0.114653782	1.263520776	2.400809239	**AC093001.1**	antisense	chr3	149284782	149333653	1	havana	-0.156509711	-0.998270099	0.275250677	-2.51386715	-0.620150959	0.16904781	0.069637898	-0.08087422	0.836988357
					beta-undecaprenone 1 [Source:HGNC Symbol;Acc:HGNC:16297]													
ENSG00000100024	0.045469	0.114653782	0.725565424	1.651548572	**UPB1**	protein_coding	chr22	24494107	24528390	1	ensembl_havana	-0.408803803	-0.771586515	-0.046021091	-0.41068387	-1.104596936	-0.799487838	-0.21650287	0.343769191	-0.265329594
					zinc finger and BTB domain containing 34 [Source:HGNC Symbol;Acc:HGNC:31446]													
ENSG00000177125	0.045467	0.114653782	0.143536432	1.104609494	**ZBTB34**	protein_coding	chr9	126860665	126885878	1	ensembl_havana	6.102290886	6.03052267	6.174059102	6.078214977	6.098308216	6.920646818	6.21748923	6.24646243	6.060225648
					SMG9, nonsense mediated mRNA decay factor [Source:HGNC Symbol;Acc:HGNC:25763

ENSG00000170540	0.084307	0.173222189	-0.14042851	-1.102232453	**ARL6IP1**	protein_coding	ADP ribosylation factor like GTPase 6 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:697]	chr16	18791667	18801678	-1	ensembl_havana	7.296916136	7.367130391	7.226701881	7.391750611	7.441464499	7.268394083	7.285186767	7.197284455	7.197632422
ENSG00000231085	0.084333	0.173249729	0.222049458	1.166389355	**CFAP45**	protein_coding	cilia and flagella associated protein 45 [Source:HGNC Symbol;Acc:HGNC:17259]	chr1	159872364	159900163	-1	ensembl_havana	0.055276952	-0.055747776	0.166301681	-0.36334239	0.214850257	-0.018751196	0.106284156	0.286036324	0.106620565
ENSG00000154582	0.084379	0.173320598	-0.173485183	-1.128217273	**ELOC**	protein_coding	elongin C [Source:HGNC Symbol;Acc:HGNC:11617]	chr8	73939169	73972287	-1	ensembl_havana	5.312923975	5.418669566	5.247181383	5.418229962	5.479523897	5.35925184	5.283372164	5.147487521	5.310858463
ENSG00000143252	0.084401	0.173340935	-0.119561171	-1.086404357	**SDHC**	protein_coding	succinate dehydrogenase complex subunit C [Source:HGNC Symbol;Acc:HGNC:10682]	chr1	161314257	161375340	-1	ensembl_havana	7.373057229	7.432837814	7.313276644	7.447571288	7.404412592	7.446529565	7.295874534	7.325730603	7.318224795
ENSG00000228716	0.084492	0.173501946	0.154233941	1.112830558	**DHFR**	protein_coding	dihydrofolate reductase [Source:HGNC Symbol;Acc:HGNC:2861]	chr5	80626228	80654983	-1	ensembl_havana	5.507606997	5.430492127	5.584726068	5.099251284	5.570082469	5.622142627	5.384663732	5.630311139	5.739223333
ENSG00000130940	0.084656	0.173815375	0.309384766	1.239179142	**CASZ1**	protein_coding	castor zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:26002]	chr1	10636604	10796650	-1	ensembl_havana	4.490883244	4.336190862	4.645575627	4.642053159	4.143093687	4.223425739	5.258173409	4.490327477	4.188225996
ENSG00000112667	0.084689	0.173857069	-0.349828009	-1.274068689	**DNPH1**	protein_coding	2'-deoxynucleoside 5'-phosphate N-hydrolase 1 [Source:HGNC Symbol;Acc:HGNC:21218]	chr6	43225629	43229484	-1	ensembl_havana	2.661913802	2.836827806	2.486999797	2.672087675	2.85500554	2.983390203	2.729587629	2.433220573	2.298191191
ENSG00000187630	0.08474	0.173936915	-0.261861274	-1.99024613	**DHRS4L2**	protein_coding	dehydrogenase/reductase 4 like 2 [Source:HGNC Symbol;Acc:HGNC:18731]	chr14	23969874	24006408	-1	ensembl_havana	2.420353642	2.551284279	2.289423005	2.666396046	2.564016113	2.423440678	2.294679948	2.103272137	2.467316929
ENSG00000144120	0.08476	0.173953912	-0.135436702	-1.098425256	**TMEM177**	protein_coding	transmembrane protein 177 [Source:HGNC Symbol;Acc:HGNC:28143]	chr2	119679167	119686507	-1	ensembl_havana	3.490436157	3.558154509	3.422717806	3.435000789	3.580725593	3.658737143	3.37972385	3.361714763	3.526714805
ENSG00000223587	0.084779	0.173967733	0.151207617	1.110498633	**LINC01986**	lincRNA	long intergenic non-protein coding RNA 1986 [Source:HGNC Symbol;Acc:HGNC:52817]	chr3	23757	24501	1	havana	2.682217972	2.606614164	2.757821781	2.843389967	2.709182922	2.267370602	2.976863242	2.764446992	2.541955109
ENSG00000241472	0.084858	0.174106005	-0.156756382	-1.114777958	**PTPRG-AS1**	processed_transcript	PTPRG antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44638]	chr3	62260865	62269330	-1	havana	6.412162211	6.490540402	6.33378402	6.461601513	6.643163828	6.366855865	6.347418629	6.349043892	6.304891539
ENSG00000275638	0.084883	0.174132011	0.129420098	1.09385393	**AC011999.3**	antisense		chr15	65605620	65656085	-1	havana	0.326447787	0.261737738	0.391157836	0.515840645	0.428746719	-0.159374151	0.566576698	0.602125945	0.604765582
ENSG00000261136	0.084943	0.174229745	0.248365143	1.187860273	**AC023908.3**	antisense		chr15	39782571	39785617	1	havana	1.880701651	1.756510979	2.004884222	1.760103226	1.900769223	1.608864788	1.874103935	1.993561814	2.146986918
ENSG00000184857	0.084962	0.174244456	-0.143495129	-1.104577871	**TMEM186**	protein_coding	transmembrane protein 186 [Source:HGNC Symbol;Acc:HGNC:24534]	chr16	8780384	8797648	-1	ensembl_havana	3.567639221	3.639386786	3.495891656	3.584331121	3.654298741	3.679530495	3.364692078	3.474581809	3.647131082
ENSG00000145348	0.08498	0.174255269	-0.136284253	-1.099070745	**TBCK**	protein_coding	TBC1 domain containing kinase [Source:HGNC Symbol;Acc:HGNC:28251]	chr4	106041599	106321495	-1	ensembl_havana	5.568736341	5.755505767	5.619221514	5.782866509	5.650193543	5.83345725	5.643183379	5.431644997	5.782836166
ENSG00000197989	0.085017	0.17430596	0.181484159	1.134049929	**SNHG12**	antisense	small nucleolar RNA host gene 12 [Source:HGNC Symbol;Acc:HGNC:30062]	chr1	28578538	28582983	-1	havana	4.081237065	3.990494986	4.171979145	3.784135645	3.963923574	4.223425739	3.999273898	4.284654596	4.230212041
ENSG00000116857	0.085042	0.174313373	0.131930339	1.096716272	**TMEM9**	protein_coding	transmembrane protein 9 [Source:HGNC Symbol;Acc:HGNC:18823]	chr1	201134772	201171574	-1	ensembl_havana	4.814248258	4.747653088	4.880849427	4.566141688	4.807811092	4.869006484	4.783245605	4.925599042	4.933685634
ENSG00000123124	0.085045	0.174313373	-0.156377996	-1.114485616	**WWP1**	protein_coding	WW domain containing E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:17904]	chr8	86342738	86478420	1	ensembl_havana	5.218286676	5.296475674	5.140097678	5.368262275	5.305788262	5.215376485	5.109435279	5.117803158	5.193057274
ENSG00000135441	0.085164	0.174532487	0.204444858	1.152242884	**BLOC1S1**	protein_coding	biogenesis of lysosomal organelles complex 1 subunit 1 [Source:HGNC Symbol;Acc:HGNC:4200]	chr12	55716037	55720087	1	ensembl_havana	2.986265805	2.884043376	3.088488235	2.73325697	3.00836839	2.910504768	3.153531275	3.055408658	3.05652477
ENSG00000134460	0.085227	0.174637894	0.160344037	1.117553607	**IL2RA**	protein_coding	interleukin 2 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:6008]	chr10	6010689	6062370	-1	ensembl_havana	3.103522283	3.023350265	3.183694302	2.458169134	3.104836469	3.507045195	2.675796091	3.35471112	3.520575693
ENSG00000105819	0.085251	0.174661285	0.122634005	1.088720785	**PMPCB**	protein_coding	peptidase, mitochondrial processing beta subunit [Source:HGNC Symbol;Acc:HGNC:9119]	chr7	103297422	103329511	1	ensembl_havana	7.040340744	6.979023742	7.101657747	6.933330079	7.062220237	6.97761799	7.00523435	7.150029555	7.149709335
ENSG00000167393	0.085306	0.174749611	-0.183273655	-1.135457459	**PPP2R3B**	protein_coding	protein phosphatase 2 regulatory subunit B"beta [Source:HGNC Symbol;Acc:HGNC:13417]	chrX	333963	386955	-1	ensembl_havana	3.941832286	4.031469114	3.850195459	3.907479941	3.94667289	4.24625451	3.850756671	3.821478248	3.878351457
ENSG00000169891	0.085444	0.174991562	0.286418459	1.219608795	**REPS2**	protein_coding	RALBP1 associated Eps domain containing 2 [Source:HGNC Symbol;Acc:HGNC:9963]	chrX	16946691	17153280	1	ensembl_havana	5.369677113	5.224667883	5.512886342	5.665084692	5.340049803	5.674268974	5.834668935	5.402226693	5.301763398
ENSG00000138107	0.085449	0.174991562	0.11546756	1.083326081	**ACTR1A**	protein_coding	ARP1 actin related protein 1 homolog A [Source:HGNC Symbol;Acc:HGNC:167]	chr10	102461881	102502711	-1	ensembl_havana	7.098381511	7.040647731	7.156115291	7.099269533	7.091442916	6.931230745	7.218558479	7.187711801	7.062075593
ENSG00000108590	0.085483	0.175018928	0.117297265	1.084700887	**MED31**	protein_coding	mediator complex subunit 31 [Source:HGNC Symbol;Acc:HGNC:24202]	chr17	6643315	6651634	-1	ensembl_havana	3.310381415	3.044432782	3.361730048	3.179296803	3.087432543	2.9665S9	3.32252843	3.072584571	3.090077142
ENSG00000155903	0.085486	0.175018928	0.116648231	1.084213015	**RASA2**	protein_coding	RAS p21 protein activator 2 [Source:HGNC Symbol;Acc:HGNC:9872]	chr3	141487047	141615342	-1	ensembl_havana	5.840292015	5.781967899	5.89861613	5.787462176	5.801793126	5.756648395	5.896725339	5.896729	5.902155351
ENSG00000169239	0.085509	0.175039857	-0.122789279	-1.088837967	**CA5B**	protein_coding	carbonic anhydrase 5B [Source:HGNC Symbol;Acc:HGNC:1378]	chrX	15688830	15788409	1	ensembl_havana	2.191564152	2.252958792	2.130169513	2.183196095	2.415188039	2.160492245	2.034670322	2.351143587	2.004696431
ENSG00000055156	0.085609	0.175218099	0.134090845	1.097405602	**LIG3**	protein_coding	DNA ligase 3 [Source:HGNC Symbol;Acc:HGNC:6600]	chr17	34980494	35009743	1	ensembl_havana	6.128958214	6.061909791	6.074227841	5.945494323	6.166007209	6.129631167	6.16118802	6.297280722	6.297280722
ENSG00000049759	0.085629	0.175236325	0.132615727	1.096279547	**NEDD4L**	protein_coding	neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:7728]	chr18	58044367	58401540	1	ensembl_havana	6.010141662	5.943833799	6.076449526	5.879506978	5.957924171	5.994070249	6.097031697	6.070504982	6.061811898
ENSG00000026036	0.085668	0.175290629	0.23953979	1.180615944	**RTEL1-TNFRSF6B**	protein_coding	RTEL1-TNFRSF6B readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:44905]	chr20	63659300	63698684	1	havana	2.262031013	2.142261148	2.381808979	2.005254198	2.029240114	2.392289132	2.364348155	2.42655638	2.354498101
ENSG00000115350	0.08568	0.175290629	0.155747456	1.113598828	**POLE4**	protein_coding	DNA polymerase epsilon 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:18755]	chr2	74958492	74970128	1	ensembl_havana	2.976092131	2.898218403	3.051965859	2.76022634	3.037177367	2.897251502	3.053967167	3.143383423	2.964546987
ENSG00000171634	0.085706	0.175307596	0.134491744	1.097706628	**BPTF**	protein_coding	bromodomain PHD finger transcription factor [Source:HGNC Symbol;Acc:HGNC:1581]	chr17	67825524	67984378	1	ensembl_havana	7.541273013	7.474027141	7.608518885	7.455224884	7.422853457	7.544003083	7.569357952	7.646718905	7.609479799
ENSG00000114054	0.085714	0.175307596	0.124974727	1.090488629	**PCCB**	protein_coding	propionyl-CoA carboxylase beta subunit [Source:HGNC Symbol;Acc:HGNC:8654]	chr3	136250306	136337896	1	ensembl_havana	5.650310884	5.58783072	5.712805447	5.570736914	5.513359736	5.679395511	5.741737204	5.573379143	5.823299995
ENSG00000008405	0.085749	0.175307596	0.12040933	1.087043241	**CRY1**	protein_coding	cryptochrome circadian regulator 1 [Source:HGNC Symbol;Acc:HGNC:2384]	chr12	106991364	107093829	-1	ensembl_havana	3.834274796	3.774070132	3.894479461	3.855903752	3.706476045	3.759830597	3.926925567	3.859084184	3.897428633
ENSG00000168884	0.08574	0.175307596	-0.167456282	-1.123076562	**TNIP2**	protein_coding	TNFAIP3 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:19118]	chr4	2741648	2756376	-1	ensembl_havana	5.966940066	6.050668207	5.883211925	6.341735046	5.891037702	6.263294407	5.795234399	5.93110697	
ENSG00000049192	0.085746	0.175307596	-0.246447413	-1.188282336	**ADAMTS6**	protein_coding	ADAM metallopeptidase with thrombospondin type 1 motif 6 [Source:HGNC Symbol;Acc:HGNC:222]	chr5	65148736	65481920	-1	ensembl_havana	2.922018379	3.043442085	2.796996672	3.37345134	2.918886608	2.842986308	2.842395714	2.8516036	2.696984702
ENSG00000214756	0.085828	0.175442747	0.290884517	1.222711905	**CSRNP1**	protein_coding	citrate synthase lysine methyltransferase [Source:HGNC Symbol;Acc:HGNC:31113]	chr11	62665309	62668496	1	ensembl_havana	2.397434922	2.252392663	2.542477118	1.738566362	2.552658819	2.465595281	2.356771314	2.790632353	2.480027873
ENSG00000100320	0.08591	0.175588077	0.125594641	1.090957304	**RBFOX2**	protein_coding	RNA binding fox-1 homolog 2 [Source:HGNC Symbol;Acc:HGNC:9905]	chr22	35738736	36028425	-1	ensembl_havana	4.477160934	4.408363614	4.533958255	4.268450371	4.41480557	4.538587205	4.32658937	4.59061015	4.684675246
ENSG00000103507	0.085961	0.175664454	0.119937013	1.086687418	**BCKDK**	protein_coding	branched chain ketoacid dehydrogenase kinase [Source:HGNC Symbol;Acc:HGNC:16902]	chr16	31106107	31112791	1	ensembl_havana	4.833907603	4.773939097	4.89387611	4.886853659	4.755523124	4.67944507	5.03898176	4.890919645	4.757126925
ENSG00000117091	0.086065	0.175852787	-0.741290466	-1.671670451	**CD48**	protein_coding	CD48 molecule [Source:HGNC Symbol;Acc:HGNC:1683]	chr1	160678746	160711851	-1	ensembl_havana	0.092910302	0.463555535	-0.277794931	0.949888679	0.271370116	0.16904781	-0.75894329	-0.04338487	-0.030876629
ENSG00000073111	0.086125	0.175949363	-0.187355687	-1.138674727	**MCM2**	protein_coding	minichromosome maintenance complex component 2 [Source:HGNC Symbol;Acc:HGNC:6946]	chr3	127598223	127622436	1	ensembl_havana	7.668269382	7.761947225	7.574591539	7.48442909	7.782208772	8.019113815	7.459570238	7.609875888	7.654328491
ENSG00000078808	0.086144	0.175963267	-0.121507744	-1.087871191	**SDF4**	protein_coding	stromal cell derived factor 4 [Source:HGNC Symbol;Acc:HGNC:24188]	chr1	1216908	1232031	-1	ensembl_havana	6.627918917	6.688672789	6.567165045	6.827228579	6.529727262	6.709067226	6.692959858	6.461298842	6.547238434
ENSG00000075568	0.086182	0.176017682	0.126054255	1.091304916	**TMEM131**	protein_coding	transmembrane protein 131 [Source:HGNC Symbol;Acc:HGNC:30366]	chr2	97756133	97959891	-1	ensembl_havana	7.086314871	7.023287743	7.149341998	6.968351287	6.972365083	7.172916486	7.129656463	7.134267754	7.184101776
ENSG00000149091	0.086256	0.176142913	0.220897731	1.165458578	**DGKZ**	protein_coding	diacylglycerol kinase zeta [Source:HGNC Symbol;Acc:HGNC:2857]	chr11	46332905	46380554	1	ensembl_havana	5.677626399	5.567177534	5.788075264	5.399476077	5.534441968	5.767614557	5.772672671	5.851669064	5.739884058
ENSG00000163864	0.08629	0.176188749	0.357518281	1.28122005	**NMNAT3**	protein_coding	nicotinamide nucleotide adenylyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:20989]	chr3	139560180	139678017	-1	ensembl_havana	2.247773864	2.069014723	2.426533004	1.716703112	2.42145547	2.068895587	2.302589091	2.329873398	2.647136522
ENSG00000225931	0.086373	0.176319317	0.347234064	1.272119379	**AL139246.2**	TEC		chr1	2566410	2569888	1	havana	1.400831034	1.227214002	1.574448066	1.355633203	0.818355163	1.507835541	1.841903733	1.452913788	1.428510677
ENSG00000110848	0.086394	0.176350296	-0.213627171	-1.155959946	**CD69**	protein_coding	CD69 molecule [Source:HGNC Symbol;Acc:HGNC:1694]	chr12	9752486	9760901	-1	ensembl_havana	0.134664795	0.24147838	0.027851209	0.968506893	-0.258437325	0.018391201	-0.57414696	0.039509383	
ENSG00000125863	0.086511	0.176554623	0.132343343	1.096072587	**MKRS**	protein_coding	McKusick-Kaufman syndrome [Source:HGNC Symbol;Acc:HGNC:7108]	chr20	10401009	10434222	-1	ensembl_havana	3.863744718	3.797573046	3.929916339	3.762957194	3.840934864	3.788827082	3.984600033	3.924399191	3.880749946
ENSG00000157823	0.086519	0.176554623	-0.114592684	-1.082669332	**AP3S2**	protein_coding	adaptor related protein complex 3 sigma 2 subunit [Source:HGNC Symbol;Acc:HGNC:572]	chr15	89830599	89894638	-1	ensembl_havana	4.044994116	4.102290458	3.987697774	4.056348776	4.113687857	4.118828183	3.926925567	4.031485863	4.004681893
ENSG00000196476	0.086534	0.17655585	0.1619712	1.118814767	**C20orf96**	protein_coding	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	chr20	270863	290778	-1	ensembl_havana	4.365014349	4.284028749	4.44589995	4.296359896	4.2990561	4.256070251	4.46692702	4.324587347	4.546485481
ENSG00000167792	0.086544	0.17655585	0.121990576	1.088235333	**NDUFV1**	protein_coding	NADH:ubiquinone oxidoreductase core subunit V1 [Source:HGNC Symbol;Acc:HGNC:7736]	chr11	67606852	67612535	1	ensembl_havana	7.089395505	7.028400217	7.150390792	7.000091717	6.996029548	7.088181385	7.176945066	7.107954407	7.166270904
ENSG00000166833	0.08672	0.176888987	0.204144016	1.152002635	**NAV2**	protein_coding	neuron navigator 2 [Source:HGNC Symbol;Acc:HGNC:15997]	chr1	19350724	20121598	1	ensembl_havana	2.947383957	2.845311948	3.049455965	2.397621087	3.004205456	3.134109303	2.787093985	3.226300474	3.134973414
ENSG00000253368	0.086942	0.177309064	0.304427919	1.234928846	**TRNP1**	protein_coding	TMF1-regulated nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:34348]	chr1	26993707	27000898	1	ensembl_havana	-0.047850826	-0.200004786	0.104363133	-0.41068387	0.125688576	-0.315599064	0.210814386	0.097529431	0.004765582
ENSG00000196214	0.086951	0.177309064	-0.143835231	-1.104838295	**ZNF766**	protein_coding	zinc finger protein 766 [Source:HGNC Symbol;Acc:HGNC:28063]	chr19	52269571	52290046	1	ensembl_havana	4.632363168	4.704280784	4.560445553	4.569195086	4.72296254	4.820684725	4.387350681	4.694116277	4.5998697
ENSG00000165959	0.08701	0.177354396	0.54022601	1.454200311	**CAMK**	protein_coding	calmin [Source:HGNC Symbol;Acc:HGNC:19972]	chr14	95183940	95319906	-1	ensembl_havana	0.022663755	-0.24744925	0.29277576	-1.77427603	0.063010108	0.928897202	-0.517013227	0.426254692	0.960808554
ENSG00000071537	0.087009	0.177354396	0.126979879	1.092005316	**SEL1L**	protein_coding	SEL1L ERAD E3 ligase adaptor subunit [Source:HGNC Symbol;Acc:HGNC:10717]	chr14	81471549	81533861	-1	ensembl_havana	7.807428369	7.74393843	7.870918309	7.821801961	7.751120116	7.658893212	7.892518487	7.949635688	7.770600752
ENSG00000105967	0.08701	0.177354396	-0.377786788	-1.299347022	**TFEC**	protein_coding	transcription factor EC [Source:HGNC Symbol;Acc:HGNC:11754]	chr7	115935148	116159896	-1	ensembl_havana	0.877184351	1.006077745	0.688290956	1.602122376	0.89231027	0.703809589	1.309760823	0.063570082	0.691561964
ENSG00000229883	0.087146	0.177554438	0.209762281	1.156497608	**PET100**	protein_coding	PET100 homolog [Source:HGNC Symbol;Acc:HGNC:40038]	chr19	7629737	7631956	1	ensembl_havana	1.824309986	1.719428846	1.929191127	1.705645971	1.759729761	1.692910804	2.062883947	1.737696596	1.986992839
ENSG00000113407	0.087138	0.177555438	-0.12409117	-1.08882098	**TARS**	protein_coding	threonyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:11572]	chr5	33440696	33469539	1	ensembl_havana	8.291090155	8.35313574	8.22904457	8.338726549	8.384929641	8.335753731	8.14885305	8.285096449	8.253184012
ENSG00000185015	0.08714	0.177555438	-0.273197087	-1.208482923	**CA13**	protein_coding	carbonic anhydrase 13 [Source:HGNC Symbol;Acc:HGNC:14914]	chr8	85220587	85284073	1	ensembl_havana	2.416300955	2.552899498	2.279702411	2.682290025	2.709182922	2.260480508	2.438005243	2.139252294	2.261846697
ENSG00000134321	0.087161	0.177562118	0.223254668	1.16736415	**RSAD2**	protein_coding	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30906]	chr2	6865806	6898239	1	ensembl_havana	-0.872971425	-0.98459876	-0.761344091	-2.32062672	-0.473795405	-0.159374151	-2.22890346	-0.37473441	0.319605599
ENSG00000198673	0.087181	0.177576175	-0.313157142	-1.242423603	**FAM19A2**	protein_coding	family with sequence similarity 19 member A2, C-C motif chemokine like [Source:HGNC Symbol;Acc:HGNC:21589]	chr12	61708259	62279150	-1	ensembl_havana	0.812381514	0.968960885	0.655802943	0.931023971	0.837200041	1.138656243	0.513047461	0.900298706	0.554062661
ENSG00000134248	0.087243	0.177659594	0.16423507	1.120571783	**LAMTOR5**	protein_coding	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5 [Source:HGNC Symbol;Acc:HGNC:17955]	chr1	110401249	110407942	-1	ensembl_havana	6.451872081	6.369754546	6.513988616	6.518390787	6.387143835	6.203729017	6.602553576	6.474473608	6.529343666
ENSG00000104687	0.087246	0.177659594	-0.121894079	-1.088162547	**GSR**	protein_coding	glutathione disulfide reductase [Source:HGNC Symbol;Acc:HGNC:4623]	chr8	30678061	30727999	-1	ensembl_havana	6.020673564	6.088620603	5.966726524	6.046506859	6.060217428	6.159083522	5.873682904	5.98973865	6.036758019
ENSG00000188450	0.08731	0.177714535	-0.196809712	-1.146161	**ZNF678**	protein_coding	zinc finger protein 678 [Source:HGNC Symbol;Acc:HGNC:28052]	chr1	227563543	227677443	1	ensembl_havana	3.631841581	3.730248437	3.543438725	3.468093324	3.847920646	3.874731339	3.271055973	3.836638454	3.492622748
ENSG00000152292	0.08739	0.177714535	-0.559833214	-1.474098791	**SH2D6**	protein_coding	SH2 domain containing 6 [Source:HGNC Symbol;Acc:HGNC:30439]	chr2	85418721	85437029	1	ensembl_havana	-0.178012209	-0.098095692	-0.657028905	-0.03191641	0.340764611	0.078839642	-1.31428442	-0.62862566	-0.030876629
ENSG00000269093	0.08731	0.177714535	-0.62659277	-1.543914403	**XKR7**	protein_coding	XK related 7 [Source:HGNC Symbol;Acc:HGNC:23062]	chr20	31968002	32003387	1	ensembl_havana	0.417385339	0.730661704	0.104068934	0.004630787	0.89230127	1.295053056	0.176794179	0.02879206	0.106020565
ENSG00000118200	0.087324	0.177718136	0.114436073	-1.08255181	**CAMSAP2**	protein_coding	calmodulin regulated spectrin associated protein family member 2 [Source:HGNC Symbol;Acc:HGNC:29188]	chr1	200739558	200860704	-1	ensembl_havana	5.795252164	5.738034128	5.852470201	5.955269087	5.713395245	5.505438052	6.10553347	5.813228277	6.638648856
ENSG00000108094	0.08734	0.177724968	0.124070644	1.089805475	**CUL2**	protein_coding	cullin 2 [Source:HGNC Symbol;Acc:HGNC:2553]	chr10	35008551	35090642	-1	ensembl_havana	6.377675618	6.315640296	6.436794552	6.144067837	6.41210035	6.386749552	6.314550791	6.462253206	6.534346993
ENSG00000185596	0.087481	0.177985532	0.189981216	1.310376343	**WASH3P**	transcribed_unprocessed_pseudogene	WAS protein family homolog 3 pseudogene [Source:HGNC Symbol;Acc:HGNC:24362]	chr15	101961603	101976543	1	havana	0.951242232	0.756251624	1.14623284	0.613726219	0.501432867	1.153595787	0.955706889	1.343981945	1.119005687
ENSG00000167264	0.087504	0.178008743	-0.144535967	-1.10537506	**DUS2**	protein_coding	dihydrouridine synthase 2 [Source:HGNC Symbol;Acc:HGNC:26014]	chr16	67587746	68079320	1	ensembl_havana	3.857846278	3.930114261	3.785578294	3.850894189	3.870965269	4.068483326	3.617041156	3.702394978	4.037288749
ENSG00000175348	0.087544	0.178064581	0.14265021	1.10393116	**TMEM98**	protein_coding	TMEM98 domain family member B [Source:HGNC Symbol;Acc:HGNC:1168]	chr11	8947294	8965011	-1	ensembl_havana	4.868078464	4.796753358	4.940405569	4.889298954	4.793487515	4.707552406	4.988394109	4.885276158	4.964504039
ENSG00000284024	0.087597	0.178121981	0.155514197	1.113818529	**HSPA14**	protein_coding	heat shock protein family A (Hsp70) member 14 [Source:NCBI gene;Acc:51182]	chr10	14838160	14847018	1	ensembl_havana	5.47604609	5.398288991	5.553803189	5.211965455	5.555220555	5.427680983	5.496612447	5.595085639	5.56971148
ENSG00000118257	0.087593	0.178121981	-0.115251704	-1.083164007	**NRP2**	protein_coding	neuropilin 2 [Source:HGNC Symbol;Acc:HGNC:8005]	chr2	205681990	205798133	1	ensembl_havana	7.022203442	7.039829294	7.002070645	7.059627061	6.944101124	6.890025584			
ENSG00000162763	0.087663	0.178210086	0.549672073	1.463752944	**LRRC52**	protein_coding	leucine rich repeat containing 52 [Source:HGNC Symbol;Acc:HGNC:31156]	chr1	160544007	160563961	1	ensembl_havana	2.877286196	2.60243216	3.152104232	2.040883175	2.892514778	2.874885526	3.306885447	3.051082538	3.098344712
ENSG00000223396	0.087665	0.178210086	-0.127098822	-1.092095425	**RPS10P7**	transcribed_processed_pseudogene	ribosomal protein S10 pseudogene 7 [Source:HGNC Symbol;Acc:HGNC:36423]	chr1	201518703	201530474	1	havana	3.049021659	3.11257112	2.985472198	2.892874923	3.005422305	3.379416132	2.803908217	2.865159581	3.290988795
ENSG00000184884	0.087715	0.178286541	0.130603419	1.094751494	**RSU1**	protein_coding	Ras suppressor protein 1 [Source:HGNC Symbol;Acc:HGNC:10464]	chr10	16590611	16817528	-1	ensembl_havana	6.314823819	6.249522109	6.380125528	6.06235808	6.367832823	6.318375424	6.274898961	6.432898725	6.432578899
ENSG00000175322	0.087779	0.178387736	0.12784729	1.092662074	**ZNF519**	protein_coding	zinc finger protein 519 [Source:HGNC Symbol;Acc:HGNC:30574]	chr18	14057457	14132490	-1	ensembl_havana	4.55121989	4.487296245	4.615143535	4.21876443	4.569559377	4.693564928	4.424066712	4.62448868	4.796875213
ENSG00000058085	0.08779	0.178387736	-0.321430248	-1.249568723	**LAMC2**	protein_coding	laminin subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:6493]	chr1	183186238	183244900	1	ensembl_havana	-0.117776024	0.0429391	-0.278491148	-0.51020874	-0.002471726	0.641587769	-1.22062457	-0.04338487	0.428535999
ENSG00000125247	0.087827	0.178436988	0.212718473	1.158869788	**TMTC4**	protein_coding	transmembrane and tetratricopeptide repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:25904]	chr13	100603927	100675093	-1	ensembl_havana	3.230539551	3.124180315	3.336898788	2.85834452	3.150754678	3.163441747	3.230173147	3.439903888	3.340619227
ENSG00000166387	0.087845	0.178447813	0.187215849	1.138564363	**PPYBP2**	protein_coding	PPTIA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:9250]	chr1	7513298	7657127	1	ensembl_havana	3.980948262	3.887340338	4.074556187	3.674990394	3.988709421	4.006060199	4.061190507	4.066199782	4.



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ENSG00000048283	0.117811	0.219112255	-0.329187227	-1.256005409	**AC005310.1**	lincRNA		chr15	42739118	42741202	1	havana	-0.047542937	0.117050676	-0.212136551	-0.031016541	0.155602554	0.227042895	-0.462127776	-0.521650382	0.347618925
ENSG00000134905	0.117831	0.219121393	-0.106743517	-1.076794926	**CARS2**	protein_coding	cysteinyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:26695]	chr13	110641412	110713603	-1	ensembl_havana	5.265051594	5.318406953	5.211663435	5.276909458	5.239195515	5.439157887	5.15492242	5.185482082	5.294585805
ENSG00000011638	0.117894	0.219181592	0.101521208	1.072904159	**TMEM159**	protein_coding	transmembrane protein 159 [Source:HGNC Symbol;Acc:HGNC:30136]	chr16	21158377	21180616	1	havana	4.06108598	4.010925376	4.111846584	4.086496776	4.014471486	3.930007865	4.209480398	4.112607276	4.013452076
ENSG00000131779	0.117888	0.219181592	0.101418694	1.072827924	**PEX11B**	protein_coding	peroxisomal biogenesis factor 11 beta [Source:HGNC Symbol;Acc:HGNC:8853]	chr1	145911350	145918837	-1	ensembl_havana	4.848131752	4.797422385	4.898841079	4.799847865	4.776422182	4.815997107	4.923199632	4.885276158	4.908047446
ENSG00000053371	0.117993	0.219316493	0.198399871	1.147425012	**AKR7A2**	protein_coding	aldo-keto reductase family 7 member A2 [Source:HGNC Symbol;Acc:HGNC:389]	chr1	19303965	19312146	-1	ensembl_havana	4.906908471	4.807708536	5.006108407	4.686316648	4.758225501	4.938583638	5.139550029	4.902972457	4.975802735
ENSG00000129657	0.11802	0.219159479	-0.111986868	-1.080715565	**SEC14L1**	protein_coding	SEC14 like lipid binding 1 [Source:HGNC Symbol;Acc:HGNC:10698]	chr17	77086716	77217101	1	ensembl_havana	7.486903599	7.542897033	7.430910164	7.575313177	7.539993265	7.513184656	7.534522121	7.412811734	7.345396639
ENSG00000269352	0.118076	0.21943431	0.206251147	1.153686423	**PTOV1-AS2**	antisense	PTOV1 antisense RNA 2 [Source:HGNC Symbol;Acc:HGNC:51284]	chr19	49858970	49859289	-1	havana	2.768421932	2.665296359	2.871547505	2.650949778	2.603076997	2.737867103	3.111627387	2.596492542	2.904522587
ENSG00000131236	0.118293	0.219180012	-0.103974653	-1.07324143	**CAP1**	protein_coding	cyclase associated actin cytoskeleton regulatory protein 1 [Source:HGNC Symbol;Acc:HGNC:20040]	chr1	40040233	40072649	1	ensembl_havana	8.587755271	8.638742598	8.536767945	8.674735582	8.624709804	8.614782408	8.577029571	8.497024783	8.536249482
ENSG00000166839	0.118311	0.219814222	0.114627813	1.082695695	**ANKDD1A**	protein_coding	ankyrin repeat and death domain containing 1A [Source:HGNC Symbol;Acc:HGNC:28802]	chr15	64911902	64958700	1	ensembl_havana	1.263889592	1.206575686	1.321203498	1.233766075	1.170104606	1.211853376	1.415636519	1.300906777	1.2470672
ENSG00000171448	0.118459	0.220060464	0.105731547	1.076039879	**ZBTB26**	protein_coding	zinc finger and BTB domain containing 26 [Source:HGNC Symbol;Acc:HGNC:23383]	chr9	122915566	122931500	-1	ensembl_havana	5.435250642	5.382384868	5.488116415	5.353284333	5.4265859	5.367284372	5.479271205	5.481525368	5.503552673
ENSG00000102100	0.118482	0.220074871	-0.103090615	-1.074071947	**SLC35A2**	protein_coding	solute carrier family 35 member A2 [Source:HGNC Symbol;Acc:HGNC:11022]	chrX	48903180	48911958	-1	ensembl_havana	5.304734166	5.356279483	5.253188848	5.408880473	5.323438107	5.336519869	5.340188747	5.234786604	5.204591192
ENSG00000211696	0.11874	0.220526404	0.299768219	1.230946636	**TRGV8**	TR_V_gene	T cell receptor gamma variable 8 [Source:HGNC Symbol;Acc:HGNC:12294]	chr7	38330343	38330935	-1	havana	-0.544892177	-0.694776287	-0.395038067	-1.070289	-0.569826728	-0.444213135	-1.13267621	-0.28449416	0.232146171
ENSG00000178449	0.118849	0.220699503	0.172216045	1.126787953	**COX14**	protein_coding	COX14, cytochrome c oxidase assembly factor [Source:HGNC Symbol;Acc:HGNC:28216]	chr12	50113979	50120457	1	ensembl_havana	4.355309876	4.269201854	4.441417899	4.336337532	4.383211018	4.088057012	4.409388623	4.448177619	4.472087453
ENSG00000101152	0.11888	0.220729518	0.125725448	1.093056224	**DNAJC5**	protein_coding	DnaJ heat shock protein family (Hsp40) member C5 [Source:HGNC Symbol;Acc:HGNC:16235]	chr20	61895182	61936031	1	ensembl_havana	7.393131529	7.330268805	7.455994253	7.381148043	7.29960779	7.310050581	7.582004469	7.463336178	7.322642112
ENSG00000068976	0.118896	0.220729945	-0.30510308	-1.215506911	**PYGM**	protein_coding	glycogen phosphorylase, muscle associated [Source:HGNC Symbol;Acc:HGNC:9726]	chr11	64746389	64760297	-1	ensembl_havana	-0.118091188	0.034460353	-0.270642728	-0.229981119	-0.002471726	0.335818975	-0.12879794	-0.37473441	-0.308395834
ENSG00000168754	0.118919	0.220743237	0.123059748	1.087533429	**FAM178B**	protein_coding	family with sequence similarity 178 member B [Source:HGNC Symbol;Acc:HGNC:28036]	chr2	96875882	96986592	-1	ensembl_havana	3.823129077	3.762598804	3.883659551	3.599344412	3.852559113	3.835895887	3.732784509	3.878749935	4.03944721
ENSG00000152404	0.118968	0.220807362	0.118038431	1.085258281	**CWF19L2**	protein_coding	CWF19 like 2, cell cycle control (S. pombe) [Source:HGNC Symbol;Acc:HGNC:26508]	chr11	107326345	107457844	-1	ensembl_havana	4.45819745	4.399178235	4.517216666	4.272205318	4.482313051	4.443016337	4.475698201	4.521932657	4.554019139
ENSG00000198590	0.118984	0.22080853	-0.310295067	-1.239961277	**C3orf35**	processed_transcript	chromosome 3 open reading frame 35 [Source:HGNC Symbol;Acc:HGNC:24082]	chr3	37186269	37435497	1	ensembl_havana	-0.221825496	-0.066677962	-0.376973029	-0.27307956	0.125688576	-0.052642908	-0.35894771	-0.62862566	-0.143345712
ENSG00000096872	0.119032	0.220867911	-0.153032569	-1.111904258	**IFT74**	protein_coding	intraflagellar transport 74 [Source:HGNC Symbol;Acc:HGNC:21424]	chr9	26947039	27062930	1	ensembl_havana	4.36795903	4.444475315	4.291442746	4.633126951	4.438248935	4.261852058	4.309228837	4.338854181	4.22644522
ENSG00000163684	0.11908	0.220929561	0.110898796	1.079900803	**RPP14**	protein_coding	ribonuclease P/MRP subunit p14 [Source:HGNC Symbol;Acc:HGNC:30327]	chr3	58306247	58324695	1	ensembl_havana	4.856355616	4.800906218	4.951805014	4.719675806	4.880015786	4.803027063	4.894705099	4.929139443	4.911570507
ENSG00000249459	0.119147	0.221024403	0.182395159	1.134766259	**ZNF286B**	protein_coding	zinc finger protein 286B [Source:HGNC Symbol;Acc:HGNC:33241]	chr17	18658429	18682262	-1	ensembl_havana	2.094625149	2.03042757	2.185822728	1.987104222	2.270175802	1.753026585	2.261853152	2.256618822	2.138994213
ENSG00000163956	0.119231	0.221151248	0.17937996	1.1323971	**LRRAP1**	protein_coding	LDL receptor related protein associated protein 1 [Source:HGNC Symbol;Acc:HGNC:6701]	chr4	3506376	3532559	-1	ensembl_havana	5.874864152	5.785174172	5.964554132	5.732686035	5.650193543	5.972642939	6.049060903	5.936124218	5.928477276
ENSG00000153774	0.119263	0.221182651	0.140009609	1.101912455	**CFDP1**	protein_coding	craniofacial development protein 1 [Source:HGNC Symbol;Acc:HGNC:1873]	chr16	75293698	75433485	-1	ensembl_havana	5.293390686	5.223385881	5.36339549	5.061803732	5.320092837	5.288261075	5.331517573	5.332643195	5.426025703
ENSG00000042429	0.119296	0.221215553	0.100076345	1.07183018	**MED17**	protein_coding	mediator complex subunit 17 [Source:HGNC Symbol;Acc:HGNC:2375]	chr11	93784227	93814963	1	ensembl_havana	2.43298981	2.382951637	2.483027982	2.516278079	2.317915967	2.314660866	2.607204823	2.42655638	2.415327744
ENSG00000111231	0.11934	0.221268989	0.107270102	1.077188029	**GPN3**	protein_coding	GPN-loop GTPase 3 [Source:HGNC Symbol;Acc:HGNC:30186]	chr12	110452484	110469268	-1	ensembl_havana	4.457879834	4.404244783	4.511514885	4.325443942	4.432066119	4.455126288	4.411322118	4.558043022	4.525179515
ENSG00000149273	0.119372	0.221299723	0.106513762	1.076623456	**RPS3**	protein_coding	ribosomal protein S3 [Source:HGNC Symbol;Acc:HGNC:10420]	chr11	75399486	75422280	1	ensembl_havana	9.819733222	9.766476341	9.872990103	9.729718993	9.750531078	9.819178951	9.849058828	9.89806805	9.871843432
ENSG00000179933	0.119388	0.221300676	-0.154316909	-1.112894558	**C14orf119**	protein_coding	chromosome 14 open reading frame 119 [Source:HGNC Symbol;Acc:HGNC:20276]	chr14	23094765	23100462	1	ensembl_havana	5.764465308	5.841623763	5.647429553	5.831671983	5.589001894	5.892244863	5.984705092	5.924394443	5.891107507
ENSG00000149289	0.119406	0.22130481	-0.132864635	-1.096468705	**ZC3H12C**	protein_coding	zinc finger CCCH-type containing 12C [Source:HGNC Symbol;Acc:HGNC:29362]	chr9	110093361	110171841	-1	ensembl_havana	2.902676473	2.969108791	2.836244156	3.097064305	3.077360027	2.73290204	3.095531766	2.895698436	2.917502265
ENSG00000093217	0.119426	0.221133342	0.101654454	1.073003256	**XYLB**	protein_coding	xylulokinase [Source:HGNC Symbol;Acc:HGNC:12839]	chr3	38346760	38421348	1	ensembl_havana	4.122966397	4.072139169	4.173793624	4.383149666	4.102779313	4.230488529	4.031800015	4.191940247	4.31424061
ENSG00000116213	0.119448	0.221324938	0.111356277	1.080241296	**WRAP73**	protein_coding	WD repeat containing, antisense to TP73 [Source:HGNC Symbol;Acc:HGNC:12755]	chr1	3630767	3652761	-1	ensembl_havana	6.10238586	6.046707721	6.158063998	6.069922855	5.969180386	6.101009922	6.235159926	6.09853034	6.140481729
ENSG00000107331	0.119523	0.221327685	0.28494823	1.218366542	**ABCA2**	protein_coding	ATP binding cassette subfamily A member 2 [Source:HGNC Symbol;Acc:HGNC:32]	chr9	137007227	137028922	-1	ensembl_havana	4.820764466	4.678290352	4.963238581	4.471398808	4.411778365	5.151093882	4.874949217	4.972104681	5.042661845
ENSG00000203814	0.11952	0.221327685	0.197574073	1.146768414	**HIST2H2BF**	protein_coding	histone cluster 2 H2B family member f [Source:HGNC Symbol;Acc:HGNC:24705]	chr1	149782689	149812373	-1	ensembl_havana	2.341713231	2.242926194	2.440503267	2.397621087	1.970707426	2.360450071	2.466446406	2.42655638	2.428498316
ENSG00000173875	0.11948	0.221327685	0.115121484	1.083066243	**ZNF791**	protein_coding	zinc finger protein 791 [Source:HGNC Symbol;Acc:HGNC:28855]	chr19	12610918	12633840	1	ensembl_havana	5.705734982	5.64813424	5.763295724	5.759665981	5.644186636	5.540670104	5.814067573	5.84356221	5.632257389
ENSG00000164134	0.119526	0.221327685	-0.110936742	-1.079929207	**NAA15**	protein_coding	N(alpha)-acetyltransferase 15, NatA auxiliary subunit [Source:HGNC Symbol;Acc:HGNC:30782]	chr4	139301455	139420033	1	ensembl_havana	7.022556833	6.967088462	7.049029817	7.118654952	7.066330841	6.889881039	6.983797118	7.027587229	
ENSG00000138744	0.119516	0.221327685	-0.130650705	-1.094787376	**NAAA**	protein_coding	N-acylethanolamine acid amidase [Source:HGNC Symbol;Acc:HGNC:736]	chr4	75913657	75941051	-1	ensembl_havana	3.255942338	3.32126769	3.190616985	3.355877225	3.234877758	3.372047587	3.330286772	3.114650475	3.126913708
ENSG00000151422	0.119695	0.221611329	-0.179653313	-1.11261168	**FER**	protein_coding	FER tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3655]	chr5	108747822	109196841	1	ensembl_havana	5.924118362	6.013945019	5.834291706	5.759665981	6.019547621	6.262621455	5.778355632	5.835409544	5.889109942
ENSG00000158987	0.119746	0.221677507	-0.113449449	-1.081811733	**RAPGEF6**	protein_coding	Rap guanine nucleotide exchange factor 6 [Source:HGNC Symbol;Acc:HGNC:20655]	chr5	131423921	131635236	-1	ensembl_havana	4.357235486	4.411960211	4.300510761	4.694728896	4.447476728	4.099675007	4.632953482	4.252941584	4.015636317
ENSG00000186469	0.119925	0.221933944	0.128083716	1.092841152	**GNG2**	protein_coding	G protein subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:4404]	chr14	51826195	51979342	1	ensembl_havana	7.885325794	7.821283936	7.949366752	8.089735791	7.903898415	7.470217603	8.323235924	7.925909952	7.59895708
ENSG00000168564	0.119914	0.221933944	0.119363284	1.086255351	**CDKN2AIP**	protein_coding	CDKN2A interacting protein [Source:HGNC Symbol;Acc:HGNC:24325]	chr4	18344491	18348398	1	ensembl_havana	4.503410402	4.44372876	4.563092045	4.268450771	4.579246746	4.483486464	4.465166367	4.605437797	4.61857197
ENSG00000257698	0.119931	0.221933944	-0.212301686	-1.158535045	**AC084033.3**	lincRNA		chr12	57931528	57936175	-1	havana	2.473951075	2.580101918	2.367800232	2.608209568	2.678162413	2.453933774	2.356771314	2.24151074	2.505118643
ENSG00000183208	0.120106	0.222229538	0.17292144	1.127339023	**GDPGP1**	protein_coding	GDP-D-glucose phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:34360]	chr15	90233808	90245811	-1	ensembl_havana	1.630812535	1.564351815	1.717272255	1.253039554	1.646767026	1.733248866	1.278300209	1.759072628	2.114746929
ENSG00000147454	0.120116	0.222239063	0.12428936	1.089970705	**SLC25A37**	protein_coding	solute carrier family 25 member 37 [Source:HGNC Symbol;Acc:HGNC:29786]	chr8	23528805	23575463	1	ensembl_havana	5.74794689	5.68580221	5.81009157	5.738122539	5.560191557	5.759029133	5.760521536	5.777667991	5.892085183
ENSG00000175792	0.120142	0.222239063	-0.154653422	-1.111354174	**RUVBL1**	protein_coding	RuvB like AAA ATPase 1 [Source:HGNC Symbol;Acc:HGNC:10474]	chr3	128064778	128153914	-1	ensembl_havana	6.557599527	6.634926238	6.480272816	6.36958651	6.612384679	6.922807525	6.289886399	6.561647779	6.58927427
ENSG00000125743	0.120158	0.222240352	-0.136224035	-1.099024871	**SNRPD2**	protein_coding	small nuclear ribonucleoprotein D2 polypeptide [Source:HGNC Symbol;Acc:HGNC:11159]	chr19	45687454	45692569	-1	ensembl_havana	6.838166768	6.906278786	6.770054751	6.871806478	6.987732616	6.852937263	6.711272168	6.743226648	6.855665437
ENSG00000161091	0.120259	0.222398241	0.117943323	1.085186739	**MFSD12**	protein_coding	major facilitator superfamily domain containing 12 [Source:HGNC Symbol;Acc:HGNC:28295]	chr19	3538261	3574290	-1	ensembl_havana	4.500810616	4.441844954	4.559798278	4.327348491	4.425852674	4.572336698	4.537323976	4.521932657	4.620108199
ENSG00000144895	0.120313	0.222469942	-0.113539951	-1.100027775	**EIF2A**	protein_coding	eukaryotic translation initiation factor 2A [Source:HGNC Symbol;Acc:HGNC:3254]	chr3	19256678	19258424	1	ensembl_havana	7.361416799	7.430186775	7.292646824	7.429623393	7.477365802	7.38357113	7.275061445	7.325282838	7.377596189
ENSG00000101384	0.120334	0.222470356	-0.430147149	-1.347570987	**JAG1**	protein_coding	jagged 1 [Source:HGNC Symbol;Acc:HGNC:6188]	chr20	10637684	10673999	-1	ensembl_havana	2.449856141	2.663988716	2.223521956	2.558346514	3.211380551	1.895179555	2.820048716	2.186299428	2.186299428
ENSG00000157827	0.120379	0.22253385	-0.132571817	-1.096246181	**FMNL2**	protein_coding	formin like 2 [Source:HGNC Symbol;Acc:HGNC:18267]	chr2	152335237	152469834	1	ensembl_havana	8.065736446	8.132022354	7.999450537	8.36948461	7.9904897	8.036092753	8.119211125	7.862826221	8.016314266
ENSG00000162836	0.120406	0.222555055	0.120692337	1.087256503	**ACP6**	protein_coding	acid phosphatase 6, lysophosphatidic [Source:HGNC Symbol;Acc:HGNC:20609]	chr1	147629652	147670496	-1	ensembl_havana	4.664349457	4.604003289	4.724695626	4.477912285	4.634157892	4.699939689	4.700360184	4.685768813	4.78795788
ENSG00000139517	0.12043	0.222570806	-0.114214463	-1.082385534	**LNX2**	protein_coding	ligand of numb-protein X 2 [Source:HGNC Symbol;Acc:HGNC:20421]	chr13	27545911	27620404	-1	ensembl_havana	4.081679716	4.138786947	4.024572484	4.069346566	4.218607125	3.967289729	4.171585246	3.934842478	
ENSG00000066933	0.120567	0.222794619	0.192096841	1.094518881	**MYO5A**	protein_coding	myosin IXA [Source:HGNC Symbol;Acc:HGNC:7608]	chr15	71822289	72118577	-1	ensembl_havana	5.888175485	5.823027065	5.951329306	5.793349462	5.756725365	5.919300366	5.818090937	6.020237729	6.037833052
ENSG00000197969	0.120588	0.222804591	0.126702767	1.091795584	**VPS13A**	protein_coding	vacuolar protein sorting 13 homolog A [Source:HGNC Symbol;Acc:HGNC:29367]	chr9	77177353	77421541	1	ensembl_havana	6.460250491	6.396899107	6.523601874	6.346191971	6.294302357	6.550202994	6.434124836	6.538269728	6.59841106
ENSG00000100982	0.120708	0.222969217	0.118017303	1.100391654	**PCIF1**	protein_coding	PDX1 C-terminal inhibiting factor 1 [Source:HGNC Symbol;Acc:HGNC:16200]	chr20	45934628	45948203	1	ensembl_havana	5.075475363	5.005466811	5.144483914	4.812787188	5.064250767	5.142362478	5.091283933	5.165609729	5.176558081
ENSG00000072310	0.120703	0.222969217	0.10307393	1.074059509	**ALDH3A2**	protein_coding	aldehyde dehydrogenase 3 family member A2 [Source:HGNC Symbol;Acc:HGNC:403]	chr17	19648136	19677598	1	ensembl_havana	5.674113105	5.62257614	5.72565007	5.497296574	5.56609075	5.704310096	5.640845654	5.739865696	5.796238859
ENSG00000138668	0.120788	0.223088867	-0.115642317	-1.083457316	**HNRNPD**	protein_coding	heterogeneous nuclear ribonucleoprotein D [Source:HGNC Symbol;Acc:HGNC:5036]	chr4	82352498	82374503	-1	ensembl_havana	8.59242	8.650241159	8.534598841	8.60369844	8.685848842	8.661176193	8.440553874	8.527609659	8.635632992
ENSG00000117298	0.12104	0.223525771	-0.126117708	-1.09134837	**ECE1**	protein_coding	endothelin converting enzyme 1 [Source:HGNC Symbol;Acc:HGNC:3146]	chr1	21217247	21345504	-1	ensembl_havana	7.683984417	7.747040271	7.622982563	7.794176517	7.69492194	7.752022354	7.752651422	7.758431369	7.511699097
ENSG00000178033	0.121074	0.223558818	0.16795416	1.123464206	**CALHM5**	protein_coding	calcium homeostasis modulator family member 5 [Source:HGNC Symbol;Acc:HGNC:21568]	chr6	116511646	116524792	1	ensembl_havana	1.825261036	1.741283956	1.909238116	1.791847439	1.688878845	1.743159585	1.7752573	2.029189031	1.923268018
ENSG00000179163	0.121127	0.223616992	0.169872073	1.124958728	**FUCA1**	protein_coding	alpha-L-fucosidase 1 [Source:HGNC Symbol;Acc:HGNC:4006]	chr1	23845077	23868294	-1	ensembl_havana	4.655153282	4.570217246	4.740089319	4.844636702	4.611075527	4.254939508	4.897318888	4.688556671	4.634923398
ENSG00000147601	0.121136	0.223616992	-0.111902529	-1.088052388	**TERF1**	protein_coding	telomeric repeat binding factor 1 [Source:HGNC Symbol;Acc:HGNC:11728]	chr8	73008864	73048122	1	ensembl_havana	5.310569409	5.366520073	5.254618145	5.414833227	5.340040883	5.344676609	5.225364472	5.25483795	5.283752012
ENSG00000205853	0.121192	0.223661742	0.269804461	1.205644407	**RPL15**	lincRNA	RPL1 antisense [Source:HGNC Symbol;Acc:HGNC:42966]	chr22	32359906	32382052	-1	ensembl_havana	0.342088715	0.207186685	0.474999046	0.040274975	0.298820819	0.238636366	0.156857698	0.194859055	0.669536307
ENSG00000197448	0.12118	0.223661742	-0.110378049	-1.079511078	**GSTK1**	protein_coding	glutathione S-transferase kappa 1 [Source:HGNC Symbol;Acc:HGNC:16906]	chr7	143244093	143270854	1	ensembl_havana	6.209024737	6.264213762	6.153835713	6.312445505	6.290401493	6.189752288	6.218534695	6.109533577	6.133458865
ENSG00000190699	0.121219	0.223682715	0.113800855	1.082075268	**TAF4**	protein_coding	TATA-box binding protein associated factor 4 [Source:HGNC Symbol;Acc:HGNC:11537]	chr20	61953469	62065810	-1	ensembl_havana	4.586876089	4.529975662	4.643776517	4.416510112	4.619266479	4.554523993	4.540671651	4.654741462	4.735916438
ENSG00000123427	0.121252	0.2237165	-0.315111154	-1.244107503	**EEF1AKMT3**	protein_coding	EEF1A lysine methyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:24936]	chr12	57771492	57782541	1	ensembl_havana	1.481484807	1.639040383	1.32392923	1.355633303	1.798787764	1.762779083	1.371200905	1.046547334	1.554039449
ENSG00000100478	0.121375	0.223914376	-0.099143161	-1.071137309	**AP4S1**	protein_coding	adaptor related protein complex 4 sigma 1 subunit [Source:HGNC Symbol;Acc:HGNC:575]	chr14	31025106	31096450	1	ensembl_havana	2.965395085	3.014966666	2.915823504	3.092827025	3.037177367	2.914895605	2.9966167	2.933793498	2.817060115
ENSG00000188846	0.121403	0.223937206	0.142358954	1.103708318	**RPL14**	protein_coding	ribosomal protein L14 [Source:HGNC Symbol;Acc:HGNC:10305]	chr3	40457292	40468587	1	ensembl_havana	8.091831809	8.020652332	8.163011286	8.006444579	8.028264326	8.027248809	8.00069748	8.202661474	8.285674905
ENSG00000059915	0.121472	0.224034796	-0.360366799	-1.283752244	**PSD**	protein_coding	pleckstrin and Sec7 domain containing [Source:HGNC Symbol;Acc:HGNC:9507]	chr10	102402617	102421539	-1	ensembl_havana	0.590365407	0.770548806	0.410182007	0.705390237	0.352203286	1.254052895	0.692307165	0.163140205	0.375098651
ENSG00000071243	0.121624	0.224265822	0.100445721	1.072104639	**ING3**	protein_coding	inhibitor of growth family member 3 [Source:HGNC Symbol;Acc:HGNC:14587]	chr7	120950749	120977216	1	ensembl_havana	4.638594561	4.5883717	4.688817421	4.524275525	4.626053278	4.614786297	4.606043821	4.751234058	4.709174385
ENSG00000117862	0.121676	0.224354391	0.106037511	1.076268108	**TXNDC12**	protein_coding	thioredoxin domain containing 12 [Source:HGNC Symbol;Acc:HGNC:24626]	chr1	52020131	52056171	-1	ensembl_havana	5.405087093	5.352063287	5.453105848	5.295459551	5.339223061	5.421522399	5.410490753	5.391145278	5.572681514
ENSG00000100298	0.121784	0.22443843	0.338810688	1.264713575	**APOBEC3H**	protein_coding	apolipoprotein B mRNA editing enzyme catalytic subunit 3H [Source:HGNC Symbol;Acc:HGNC:24100]	chr22	39097224	39104067	1	ensembl_havana	1.014093437	0.846488093	1.183498781	1.312554705	0.760296981	0.461221593	1.458764294	0.800742365	1.291009686
ENSG00000162227	0.121767	0.22443843	0.169838003	1.124931161	**TAF6L**	protein_coding	TATA-box binding protein associated factor 6 like [Source:HGNC Symbol;Acc:HGNC:17305]	chr11	62771303	62787342	1	ensembl_havana	3.78967644	3.704757438	3.874595441	3.652196298	3.654287841	3.783839275	3.949769201	3.905352962	3.76866416
ENSG00000157869	0.121769	0.22443843	0.126777858	1.091852413	**RAB28**	protein_coding	RAB28, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9768]	chr4	13361354	13484365	-1	ensembl_havana	3.914453298	3.851064369	3.977842227	3.980397213	3.736900008	3.835895887	3.989507923	3.898145298	4.04587346
ENSG00000184160	0.121751	0.22443843	-0.109925326	-1.079172377	**ADRA2C**	protein_coding	adrenoceptor alpha 2C [Source:HGNC Symbol;Acc:HGNC:283]	chr4	3766348	3768526	1	havana	-0.04097157	0.013991093	-0.095934233	0.206370087	-0.473795405	0.303935597	0.032074365	-0.52165082	0.201737757
ENSG00000083642	0.121841	0.2245148	-0.099596719	-1.073473908	**PDSS8**	protein_coding	PDSS cofactor associated factor 8 [Source:HGNC Symbol;Acc:HGNC:29418]	chr13	32584327	32778019	1	ensembl_havana	5.689790975	5.739589334	5.639992615	5.682108032	5.784298807	5.752361163	5.599711351	5.67878605	5.641480444
ENSG00000089472	0.121877	0.224551131	0.162801448	1.285920495	**HEPH**	protein_coding	hephaestin [Source:HGNC Symbol;Acc:HGNC:4866]	chrX	66162549	66268867	1	ensembl_havana	3.911368988	3.729968265	4.092769712	3.067138625	4.110545596	4.012220572	3.947248808	4.326378436	4.004681893
ENSG00000151657	0.121919	0.22460059	0.199691681	1.148452892	**KIN**	protein_coding	Kin17 DNA and RNA binding protein [Source:HGNC Symbol;Acc:HGNC:6327]	chr10	7750962	7787981	-1	ensembl_havana	4.112664466	4.021818625	4.212510306	3.770955591	4.154408151	4.113112135	4.209480398	4.135262968	4.292787552
ENSG00000137699	0.121939	0.224608716	0.147497276	1.107646308	**TRIM29**	protein_coding	tripartite motif containing 29 [Source:HGNC Symbol;Acc:HGNC:17274]	chr11	120111275	120185529	-1	ensembl_havana	4.257557819	4.183809181	4.331306456	4.327599132	4.334857062	4.831621697	4.31424061		
ENSG00000266962	0.12196	0.22461715	-0.267055313	-1.203349161	**AC067852.2**	antisense	long intergenic non-protein coding RNA 1694 [Source:HGNC Symbol;Acc:HGNC:52481]	chr17	42552436	42554748	-1	havana	2.967490646	3.101026702	2.831971389	3.312806534	2.808016853	3.182256739	2.842395714	2.919625469	2.739892986
ENSG00000233922	0.122016	0.224691559	-0.471233614	-1.386292427	**LINC01694**	lincRNA		chr21	45593654	45603056	1	havana	-0.107458365	0.128157442	-0.343074172	-0.858546608	0.403680778	0.83933763	-0.63291296	-0.32890884	-0.067400719
ENSG00000147155	0.122112	0.224840805	-0.11936989	-1.086260325	**EBP**	protein_coding	emopamil binding protein (sterol isomerase) [Source:HGNC Symbol;Acc:HGNC:3133]	chrX	48521158	48528716	1	ensembl_havana	5.995815496	6.055500442	5.936130551	6.219769872	6.059214532	5.887516925	6.116791789	5.844187434	5.847

ENSG00000221914	0.130719	0.235790964	-0.117363706	-0.084750842	**PPP2R2A**	protein_coding	protein phosphatase 2 regulatory subunit Balpha [Source:HGNC Symbol;Acc:HGNC:9304]	chr8	26291491	26372680	1	ensembl_havana	5.908110112	5.966791965	5.849428259	5.939728948	6.032380525	5.928266421	5.831939025	5.818328431	5.89807192
ENSG00000075234	0.130736	0.23579181	0.140039681	1.010195424	**TTC38**	protein_coding	tetratricopeptide repeat domain 38 [Source:HGNC Symbol;Acc:HGNC:26082]	chr22	46267961	46294008	1	ensembl_havana	4.468898559	4.398978719	4.5390184	4.490851674	4.29224335	4.413841131	4.748925052	4.467784529	4.400345619
ENSG00000065057	0.130852	0.235970312	-0.158088004	-1.115807384	**NTHL1**	protein_coding	nth like DNA glycosylase 1 [Source:HGNC Symbol;Acc:HGNC:8028]	chr16	2039815	2047866	-1	ensembl_havana	3.261532192	3.340576194	3.18248819	3.203079534	3.380093932	3.438555117	3.221855697	3.210869813	3.11473906
ENSG00000197070	0.130872	0.235976828	0.37427203	0.296185347	**ARRDC1**	protein_coding	arrestin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28633]	chr9	137605654	137615360	1	ensembl_havana	2.608278024	2.421142009	2.79541404	2.134555023	2.824434649	2.869271432	2.881149392	2.635821295	
ENSG00000164404	0.130981	0.236144205	-0.124634268	-1.090231337	**GDF9**	protein_coding	growth differentiation factor 9 [Source:HGNC Symbol;Acc:HGNC:4224]	chr5	132861181	132866884	-1	ensembl_havana	0.586587456	0.648904589	0.524270322	0.892538	0.271370116	0.782885653	0.64332197	0.19485955	0.734629445
ENSG00000159461	0.131021	0.236186139	0.099683567	1.071538411	**AMFR**	protein_coding	autocrine motility factor receptor [Source:HGNC Symbol;Acc:HGNC:463]	chr16	56364452	56425538	-1	ensembl_havana	6.403288393	6.35345661	6.451404177	6.476721341	6.329665771	6.253982717	6.607749733	6.387724867	6.363945931
ENSG00000100385	0.13108	0.236255594	0.306350272	1.236575453	**IL2RB**	protein_coding	interleukin 2 receptor subunit beta [Source:HGNC Symbol;Acc:HGNC:6009]	chr22	37125838	37175054	-1	ensembl_havana	3.037382154	2.884107018	3.100457291	2.290693707	3.104836469	3.256700879	3.049270482	3.252931259	3.269184531
ENSG00000215021	0.131092	0.236255594	-0.106158942	-1.076358701	**PHB2**	protein_coding	prohibitin 2 [Source:HGNC Symbol;Acc:HGNC:30306]	chr12	6965327	6970825	-1	ensembl_havana	7.716062184	7.769143655	7.662982713	7.749342745	7.797414837	7.815778733	7.639728656	7.621775226	7.727443856
ENSG00000177030	0.131117	0.236270861	-0.124015668	-1.087693947	**DEAF1**	protein_coding	DEAF1, transcription factor [Source:HGNC Symbol;Acc:HGNC:14677]	chr11	644233	706715	-1	ensembl_havana	3.824612212	3.886620046	3.762604378	4.021104378	3.761772213	3.876983546	3.974733877	3.682954534	3.630124721
ENSG00000270175	0.131134	0.236271183	-0.264538434	-1.201251668	**AC023509.4**	antisense	polycomb group ring finger 1 [Source:HGNC Symbol;Acc:HGNC:28633]	chr12	53500162	53500936	-1	havana	0.949263748	1.081532965	0.816994531	1.268150092	0.979703225	0.996745577	0.873137292	1.099781778	0.480064523
ENSG00000115289	0.131178	0.23631504	0.118273192	1.085434893	**PCGF1**	protein_coding	nuclear RNA export factor 1 [Source:HGNC Symbol;Acc:HGNC:8071]	chr1	62792123	62806302	-1	ensembl_havana	6.922855119	6.8677071	6.978003138	6.943270333	6.901390379	6.758460589	7.128822601	6.937379966	6.867808486
ENSG00000135446	0.13135	0.236570089	-0.137382845	-1.099007991	**CDK4**	protein_coding	cyclin dependent kinase 4 [Source:HGNC Symbol;Acc:HGNC:1773]	chr12	57747727	57756013	-1	ensembl_havana	7.495519261	7.564210683	7.426827838	7.392397223	7.568290833	7.731949992	7.359812038	7.478114524	7.442556953
ENSG00000108395	0.131187	0.236607873	0.110992952	1.079971284	**TRIM37**	protein_coding	tripartite motif containing 37 [Source:HGNC Symbol;Acc:HGNC:7521]	chr17	58586238	59106921	-1	ensembl_havana	5.74723207	5.691735594	5.802728546	5.605357652	5.777607414	5.669224991	5.798071534	5.817691897	5.792422207
ENSG00000183426	0.131446	0.236684947	0.146469011	1.100857127	**NFIPA1**	protein_coding	nuclear pore complex interacting protein family member A1 [Source:HGNC Symbol;Acc:HGNC:7906]	chr16	14922802	14952060	-1	ensembl_havana	1.924689827	1.851455321	1.997924332	2.032058081	1.749818205	1.772489677	2.005893922	1.95703246	2.030846613
ENSG00000103319	0.131492	0.236738955	-0.097513523	-1.069927858	**EEF2K**	protein_coding	eukaryotic elongation factor 2 kinase [Source:HGNC Symbol;Acc:HGNC:26615]	chr16	22200282	22288732	1	ensembl_havana	5.601539489	5.650296251	5.552782727	5.715563702	5.631422654	5.603902396	5.642404558	5.536717608	5.479226016
ENSG00000239763	0.131681	0.237042419	0.236836674	1.17383149	**AC009120.1**	processed_pseudogene		chr16	74312609	74311390	-1	havana	1.744395765	1.625956428	1.862763102	1.82284946	1.595784795	1.519235028	1.71726753	1.944753749	1.923268018
ENSG00000280388	0.131694	0.237042419	-0.232870413	-1.175170766	**AC006330.1**	TEC		chr7	76043977	76045963	-1	havana	0.287479917	0.403951523	0.17104471	0.355307344	0.214580257	0.674158769	0.276538753	0.163140205	0.073455573
ENSG00000149531	0.131712	0.237044717	-0.128188195	-1.092920297	**FRG1BP**	unprocessed_pseudogene	FSHD region gene 1 family member B, pseudogene [Source:HGNC Symbol;Acc:HGNC:15792]	chr20	30377372	30399257	1	havana	2.697235591	2.761329689	2.633141494	2.797156021	2.662398396	2.824434649	2.632562022	2.439854124	2.827044337
ENSG00000277232	0.131901	0.237336656	-0.153206041	-1.112037964	**GTSE1-AS1**	lincRNA	GTSE1 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:HGNC:27163]	chr22	46295143	46296660	-1	ensembl_havana	-0.152869578	-0.076266557	-0.229472598	-0.27307956	-0.011936381	-0.057379957	-0.11936381	0.004765582	
ENSG00000236432	0.131907	0.237336656	-0.199288305	-1.148131831	**AC097662.1**	antisense		chr2	227221052	227252201	-1	havana	-0.371532288	-0.271888135	-0.47117644	-0.51020874	-0.383759306	0.078339642	-0.97139419	-0.37473441	-0.067400719
ENSG00000179344	0.13199	0.237457208	-0.155357853	-1.113697831	**HLA-DQB1**	protein_coding	major histocompatibility complex, class II, DQ beta 1 [Source:HGNC Symbol;Acc:HGNC:4944]	chr6	32659467	32663883	-1	ensembl_havana	4.019268853	4.09694878	3.941590927	4.264850071	4.001995572	4.020393696	3.919229929	3.945528874	3.960012977
ENSG00000119056	0.1321	0.237624218	0.11589114	1.083644197	**PIK3CB**	protein_coding	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 beta [Source:HGNC Symbol;Acc:HGNC:8972]	chr1	204422628	204494724	-1	ensembl_havana	6.139346164	6.140400594	6.256201734	6.058560765	6.078646354	6.283994664	6.22375069	6.249310254	6.295934959
ENSG00000115419	0.132174	0.237726923	0.111234167	1.080515867	**GLS**	protein_coding	glutaminase [Source:HGNC Symbol;Acc:HGNC:4331]	chr2	190888827	190965552	1	ensembl_havana	6.875872375	6.820255291	6.931489458	6.851583365	6.790640131	6.818867378	6.882974101	6.978905854	6.932528419
ENSG00000283930	0.132234	0.237805086	-0.200383481	-1.149003729	**AL117339.5**	protein_coding		chr10	38094368	38360098	1	havana	0.383353827	0.483545567	0.283162087	0.637193984	0.477608744	0.335833975	0.556576968	0.428254992	-0.143345712
ENSG00000087752	0.132317	0.237914772	0.097451992	1.069882182	**ATXN7L3**	protein_coding	ataxin 7 like 3 [Source:HGNC Symbol;Acc:HGNC:25416]	chr17	44193805	44200113	-1	ensembl_havana	6.212464079	6.163920212	6.263172045	6.130532122	6.173917598	5.987310617	6.19905106	6.279420031	6.110140442
ENSG00000103642	0.13233	0.237914772	-0.097920628	-1.072229816	**LACTB**	protein_coding	lactamase beta [Source:HGNC Symbol;Acc:HGNC:16468]	chr15	63121800	63142061	-1	ensembl_havana	6.004028036	6.05298835	5.955067722	6.2011919	6.140643668	5.817129541	6.119592605	6.007709498	5.737909974
ENSG00000147687	0.132344	0.237914772	-0.110630962	-1.07970334	**TATDN1**	protein_coding	TatD DNase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24220]	chr8	124488485	124539458	-1	ensembl_havana	4.311227023	4.366542504	4.255911542	4.305543488	4.297355927	4.496728099	4.113831997	4.2585809	4.39532173
ENSG00000105668	0.132382	0.237952788	-0.334550004	-1.26098403	**UPK1A**	protein_coding	uroplakin 1A [Source:HGNC Symbol;Acc:HGNC:12577]	chr19	35666516	35678483	1	ensembl_havana	1.044653692	1.213728894	0.879178689	1.322185211	1.636045198	0.782885653	1.212439326	0.800742165	0.634469778
ENSG00000170122	0.132442	0.238008884	0.178428785	1.247579483	**FOXD4**	protein_coding	forkhead box D4 [Source:HGNC Symbol;Acc:HGNC:3805]	chr9	116231	118204	-1	ensembl_havana	0.299697565	0.234283172	0.385113766	0.174648163	0.185737694	0.282465661	0.333938845	0.559404557	0.261892331
ENSG00000104731	0.132441	0.238000886	0.115291116	1.083193597	**KLHDC4**	protein_coding	kelch domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25272]	chr16	87699485	87765992	-1	ensembl_havana	5.657020603	5.599375044	5.714666161	5.654342188	5.461565074	5.682617871	5.746818632	5.674573768	5.722606082
ENSG00000144406	0.132534	0.238079537	0.261602582	1.198884421	**UNC80**	protein_coding	unc-80 homolog, NALCN channel complex subunit [Source:HGNC Symbol;Acc:HGNC:26582]	chr2	209771993	209999300	1	ensembl_havana	3.82911722	3.698290929	3.95998351	3.625980797	3.944501979	3.524390001	4.218630573	3.890901443	3.750418515
ENSG00000235545	0.132502	0.238079537	0.197462836	1.146679997	**AC103923.1**	antisense	membrane associated ring-CH-type finger 6 [Source:HGNC Symbol;Acc:HGNC:30550]	chr1	62688482	62710694	-1	havana	0.857741263	0.759011845	0.956476681	0.832812769	0.740413176	0.703809589	1.107892607	0.671430284	1.090101554
ENSG00000106299	0.132535	0.238079537	0.138536642	1.100787995	**WASL**	protein_coding	UPF1, RNA helicase and ATPase [Source:HGNC Symbol;Acc:HGNC:12735]	chr7	123681935	123749067	-1	ensembl_havana	4.046055809	3.976787488	4.11532413	4.116027648	4.08928693	3.725247916	4.338178756	4.068341917	4.039451717
ENSG00000100084	0.132563	0.238098817	0.338854974	1.264752398	**HIRA**	protein_coding	Wiskott-Aldrich syndrome like [Source:HGNC Symbol;Acc:HGNC:4016]	chr22	19330698	19447450	-1	ensembl_havana	2.121703959	1.952276472	2.291131466	1.87313074	1.709476673	2.274222003	2.44516827	2.329873398	2.09835267
ENSG00000054598	0.132711	0.238269626	0.247780886	1.183739315	**LACTB**	protein_coding	histone cell cycle regulator [Source:HGNC Symbol;Acc:HGNC:16468]	chr15	61312800	63142061	-1	ensembl_havana	6.004028036	6.05298835	5.955067722	6.2011919	6.140643668	5.817129541	6.119592605	6.007709498	5.737909974
ENSG00000188825	0.132723	0.238269626	-0.127414672	-1.092334469	**LINC00910**	lincRNA	forkhead box C1 [Source:HGNC Symbol;Acc:HGNC:3800]	chr6	1609972	1613897	1	havana	2.709297078	2.585406535	2.831187521	2.781446624	2.714288775	2.260486508	2.900875057	2.732383996	2.866303509
ENSG00000074580	0.132761	0.238269626	0.219778886	-0.138501777	**SCARB1**	protein_coding	long intergenic non-protein coding RNA 910 [Source:HGNC Symbol;Acc:HGNC:44361]	chr17	41369845	41389199	-1	havana	0.69928845	0.762995786	0.635581114	0.660286109	0.699800407	0.928897202	0.540060475	0.45273451	0.913948357
ENSG00000073060	0.132691	0.238269626	-0.198501777	-1.100761394	**SCARB1**	protein_coding	scavenger receptor class B member 1 [Source:HGNC Symbol;Acc:HGNC:1664]	chr12	124776856	124882668	-1	ensembl_havana	5.381316275	5.450567164	5.312005387	5.402902955	5.270569988	5.678104549	5.288358331	5.256717702	5.391120127
ENSG00000170430	0.132752	0.238319156	-0.17776207	-1.131127901	**MGMT**	protein_coding	O-6-methylguanine-DNA methyltransferase [Source:HGNC Symbol;Acc:HGNC:7059]	chr10	129467184	129768007	1	ensembl_havana	2.729169081	2.818050116	2.640288046	2.817841883	2.657105212	2.979202353	2.699951379	2.648963151	2.571949608
ENSG00000006530	0.132882	0.238487449	-0.101755701	-1.073078561	**AGK**	protein_coding	acylglycerol kinase [Source:HGNC Symbol;Acc:HGNC:21869]	chr7	141551189	141655244	1	ensembl_havana	5.596965083	5.647842934	5.546087233	5.682108032	5.656838681	5.604582088	5.539911601	5.540580278	5.557769819
ENSG00000163584	0.132887	0.238502342	-0.155244791	-1.113610555	**RPL22L1**	protein_coding	ribosomal protein L22 like 1 [Source:HGNC Symbol;Acc:HGNC:27610]	chr3	170864875	170870483	-1	ensembl_havana	4.681780336	4.759402731	4.604157794	4.704481797	4.788575794	4.785150603	4.379893999	4.801032971	4.63154685
ENSG00000145495	0.132954	0.23859259	0.100445555	1.072104515	**MARCH6**	protein_coding	membrane associated ring-CH-type finger 6 [Source:HGNC Symbol;Acc:HGNC:30550]	chr5	10353703	10403388	1	ensembl_havana	3.881964776	3.831741998	3.932187553	3.80602214	3.774288772	3.746336134	3.855989574	3.882826221	3.877746865
ENSG00000005007	0.133009	0.238661102	0.177312424	1.130775417	**UPF1**	protein_coding	UPF1, RNA helicase and ATPase [Source:HGNC Symbol;Acc:HGNC:9962]	chr19	18833938	18868236	1	ensembl_havana	7.763731433	7.675075221	7.852387645	7.61814193	7.58179774	7.825285993	7.938600191	7.851676078	7.766877667
ENSG00000135426	0.133041	0.238690051	-0.150689413	-1.110099822	**TESPA1**	protein_coding	Wiskott-Aldrich syndrome like [Source:HGNC Symbol;Acc:HGNC:29105]	chr12	54948018	54984746	-1	ensembl_havana	3.377161231	3.452505937	3.301816524	3.249500187	3.470377911	3.637639713	3.916891703	3.479075818	3.489482054
ENSG00000106992	0.133096	0.238727651	0.164165608	1.120517832	**AK1**	protein_coding	thymocyte expressed, positive selection associated 1 [Source:HGNC Symbol;Acc:HGNC:361]	chr9	127866480	127877743	-1	ensembl_havana	0.454237316	0.372154512	0.53632012	0.705390237	0.271370116	0.139703184	0.692307105	0.625615656	0.291037539
ENSG00000175465	0.133081	0.238727651	0.120237147	1.086913512	**CCDC14**	protein_coding	adenylate kinase 1 [Source:HGNC Symbol;Acc:HGNC:29766]	chr3	123897305	123961408	-1	ensembl_havana	6.928974882	6.868856308	6.989093455	6.5881598	6.88902609	7.129383036	6.825122804	6.949342959	7.192814603
ENSG00000278948	0.133121	0.238743475	0.14310892	1.104280684	**AL031587.5**	TEC	coiled-coil domain containing 14 [Source:HGNC Symbol;Acc:HGNC:27610]	chr22	37943050	37944898	1	havana	2.405923981	2.334370521	2.474774441	2.397621087	2.29082961	2.314608866	2.379383493	2.560423027	2.492627803
ENSG00000113742	0.133142	0.238751022	0.113567844	1.081900515	**CPEB4**	protein_coding	cytoplasmic polyadenylation element binding protein 4 [Source:HGNC Symbol;Acc:HGNC:21767]	chr5	173888280	173961976	1	ensembl_havana	5.151757483	5.09497356	5.342108618	5.347294355	5.302186518	5.342704355	5.512514434	5.225819962	5.906972285	5.036221241
ENSG00000141994	0.1332	0.238825636	-0.112015078	-1.080736697	**DUS3L**	protein_coding	dihydrouridine synthase 3 like [Source:HGNC Symbol;Acc:HGNC:26920]	chr19	5784832	5791238	-1	ensembl_havana	3.934934867	3.990942406	3.878927328	3.991820453	3.843267118	4.137739545	3.937122974	3.767126884	3.932532325
ENSG00000119004	0.133255	0.23889441	-0.102631663	-1.073730301	**CYP20A1**	protein_coding	cytochrome P450 family 20 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:20075]	chr2	203238940	203305611	-1	ensembl_havana	3.098171857	3.149487688	3.046856025	3.163221009	3.252533942	3.032708114	3.030347571	3.118790384	2.99143012
ENSG00000071282	0.133316	0.23897353	0.168412435	1.123821133	**LMCD1**	protein_coding	LIM and cysteine rich domains 1 [Source:HGNC Symbol;Acc:HGNC:6613]	chr3	85017507	85746731	1	ensembl_havana	4.432530245	4.348324028	4.516736463	4.952606557	4.38481802	4.707552406	4.310990596	4.555916886	4.683301907
ENSG00000228084	0.133413	0.239118016	-0.276377879	-1.211149854	**AC118553.1**	antisense		chr1	99968383	99969864	-1	havana	0.035940928	0.174126818	-0.102247761	0.10902545	0.214850257	0.198513145	-0.00464942	-0.47099802	0.17074815
ENSG00000140391	0.133463	0.239117996	0.107838258	1.077612326	**TSPAN3**	protein_coding	tetraspanin 3 [Source:HGNC Symbol;Acc:HGNC:17752]	chr15	77041404	77081984	-1	ensembl_havana	8.234691263	8.180772154	8.288610392	8.392723894	8.217926495	8.063660012	8.340265258	8.274118488	8.251447629
ENSG00000227581	0.133507	0.239226491	0.083062222	1.747271466	**AP5Z1-AS2**	processed_pseudogene		chr12	32116663	32119317	-1	ensembl_havana	2.008879624	1.606348513	2.451790536	1.651412359	2.357917399	2.732383996	1.91393027		
ENSG00000164190	0.133537	0.239250914	0.104236747	1.074925554	**NIPBL**	protein_coding	NIPBL, cohesin loading factor [Source:HGNC Symbol;Acc:HGNC:28862]	chr5	36876759	37066413	1	ensembl_havana	6.945237244	6.893118871	6.997355618	6.934121536	6.860818208	6.884422271	6.999292745	7.031240246	6.969899362
ENSG00000242802	0.133622	0.239283101	0.226808164	1.166594283	**AP1S1**	protein_coding	adaptor related protein complex 1 sets 1 subunit [Source:HGNC Symbol;Acc:HGNC:22107]	chr7	4775622	4794312	1	ensembl_havana	5.479117882	5.3661138	5.592121964	5.387417495	5.272329101	5.437632895	5.858337842	5.563541651	5.35488644
ENSG00000228000	0.133609	0.239283101	0.11549189	1.083344351	**ZNF780B**	protein_coding	zinc finger protein 780B [Source:HGNC Symbol;Acc:HGNC:33109]	chr19	40028260	40056209	-1	ensembl_havana	5.123906386	5.066160441	5.181652331	4.956136763	5.021638144	5.220706416	5.022315528	5.24161066	5.281030804
ENSG00000140199	0.133611	0.239283101	-0.126099041	-1.091338796	**SLC12A6**	protein_coding	solute carrier family 12 member 6 [Source:HGNC Symbol;Acc:HGNC:10914]	chr15	34229996	34338060	-1	ensembl_havana	5.063666697	5.128719219	5.000620176	5.165330036	5.016480342	5.198367278	4.993289132	5.020408842	4.988090554
ENSG00000198353	0.133661	0.239283101	-0.17019471	-1.125329397	**HOXC4**	protein_coding	homeobox C4 [Source:HGNC Symbol;Acc:HGNC:5126]	chr12	54016931	54056030	1	ensembl_havana	4.611349315	4.699517465	4.526170365	4.593852128	4.741837071	4.409180104	4.838692245	4.351222867	4.388505682
ENSG00000122696	0.133751	0.239485253	-0.120430862	-1.087059465	**SLC25A51**	protein_coding	solute carrier family 25 member 51 [Source:HGNC Symbol;Acc:HGNC:25323]	chr9	37879400	37904353	-1	havana	3.884406191	3.944621621	3.824190676	3.807595594	4.047212239	3.979057032	3.801737512	3.844159232	3.827209534
ENSG00000111203	0.133786	0.239516813	0.10198543	1.073249448	**ITFG2**	protein_coding	membrane associated guanylate kinase, WW and PDZ domain containing 1 [Source:HGNC Symbol;Acc:HGNC:946]	chr3	65353525	66038834	-1	ensembl_havana	7.259993322	7.18177091	7.338213735	6.90963808	7.210725153	7.42494957	7.237506033	7.367211866	7.409923305
ENSG00000119688	0.133855	0.239550561	0.103667315	1.074503165	**ABCD4**	protein_coding	integrin alpha FG-GAP repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:30879]	chr14	74285423	74303056	-1	ensembl_havana	5.911602141	5.881768483	5.965435799	5.940318651	5.842001038	5.802985765	6.056095854	5.883040123	5.957174149
ENSG00000119503	0.133847	0.239550561	-0.119820258	-1.086599477	**MANBA**	protein_coding	ATP binding cassette subfamily D member 4 [Source:HGNC Symbol;Acc:HGNC:48]	chr4	74285423	74303056	-1	ensembl_havana	5.911602141	5.881768483	5.965435799	5.940318651	5.842001038	5.802985765	6.056095854	5.883040123	5.957174149
ENSG00000164308	0.133865	0.239550561	-0.119820258	-1.086599477	**MANBA**	protein_coding	mannosidase beta [Source:HGNC Symbol;Acc:HGNC:6831]	chr4	102630770	102760994	-1	ensembl_havana	5.732428068	5.792338197	5.672517939	5.817303465	5.756725365	5.802985761	6.045517323	5.572624787	5.799411708
ENSG00000111021	0.133929	0.239654525	0.138146681	1.100490492	**CLCN6**	protein_coding	chloride voltage-gated channel 6 [Source:HGNC Symbol;Acc:HGNC:2024]	chr1	11806096	11843144	1	ensembl_havana	5.59726598	5.528196039	5.666343332	5.847797803	5.48451312	5.252278995	5.877659205	5.574886673	5.566484023
ENSG00000167900	0.133965	0.239688591	0.222159452	1.166507402	**TK1**	protein_coding	thymidine kinase 1 [Source:HGNC Symbol;Acc:HGNC:11830]	chr17	78174075	78187233	-1	ensembl_havana	5.555270079	5.446172347	5.66636781	5.054523565	5.598646633	5.688400044	5.577881428	5.733805316	5.587416685
ENSG00000188600	0.134013	0.239779703	0.163459886	1.136909695	**CLN3**	protein_coding	CLN3, battenin [Source:HGNC Symbol;Acc:HGNC:2074]	chr16	28474611	28495575	-1	ensembl_havana	-0.659077893	-0.741407241	-0.557967546	-0.08941355	-0.124044035	-0.126406007	0.178764179	-0.081481455	-0.829191301
ENSG00000280127	0.134296	0.24016093	0.217409695	1.162716759	**LINC01943**	lincRNA	long intergenic non-protein coding RNA 1943 [Source:HGNC Symbol;Acc:HGNC:52767]	chr2	87439523	87459044	-1	havana	5.920070996	5.811321149	6.028820843	5.970863317	5.963009119	5.461709101	6.219579404	5.929737525	5.937145601
ENSG00000145337	0.134291	0.24016093	0.171865545	1.126514236	**PYURF**	protein_coding	PIGY upstream reading frame [Source:HGNC Symbol;Acc:HGNC:44317]	chr4	88520985	88523813	-1	ensembl_havana	5.380422764	5.294488992	5.466355537	5.295459551	5.38156115	5.206449273	5.425055197	5.379978088	5.594033227
ENSG00000210127	0.134279	0.24016093	-0.47042594	-1.385518467	**MT-TA**	Mt_tRNA	mitochondrially encoded tRNA alanine [Source:HGNC Symbol;Acc:HGNC:7475]	chrMT	5587	5655	-1	insdc	0.76684794	1.00206091	0.531634971	1.553614465	1.170134606	0.282463246	0.738534657	0.428535999	
ENSG00000167740	0.134328	0.240187546	-0.1448814	-1.105639758	**CYB5D2**	protein_coding	cytochrome b5 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28471]	chrMT	4143168	4187310	1	ensembl_havana	2.241543425	2.313984125	2.169102725	2.390739944	2.297649024	2.253569408	2.072167195	2.256618822	2.178522159
ENSG00000259917	0.1345	0.240465658	-0.294112756	-1.226130686	**HNRNPLP2**	unprocessed_pseudogene	heterogeneous nuclear ribonucleoprotein L pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:48747]	chr15	34489002	34490571	-1	havana	0.465867134	0.612923512	0.318810756	0.637191984	0.473668744	0.723967808	0.668022463	-0.2414061	0.529815901
ENSG00000263033	0.134542	0.240510107	0.346495974	1.271468723	**AC007220.1**	lincRNA		chr16	11196177	11224969	1	havana	-0.014430241	-0.187678228	0.158817746	-0.06941355	-0.258437325	-0.235383806	-0.21650287	0.163140205	0.529815901
ENSG00000143368	0.134565	0.24051462	0.099532624	1.071426307	**SF3B4**	protein_coding	splicing factor 3b subunit 4 [Source:HGNC Symbol;Acc:HGNC:10771]	chr1	149923317	149928344	-1	ensembl_havana	6.625381031	6.602332005	6.557056468	6.610439388	6.586407098	6.584471008	6.684471098	6.612111638	6.622709203
ENSG00000263033	0.134542	0.240510107	0.346495974	1.271468723	**AC007220.1**	lincRNA	TY1 transcription factor [Source:HGNC Symbol;Acc:HGNC:12856]	chr16	11196177	11224969	1	havana	-0.014430241	-0.187678228	0.158817746	-0.06941355	-0.258437325	-0.235383806	-0.21650287	0.163140205	0.529815901
ENSG00000143368	0.134565	0.24051462	0.099532624	1.071426307	**SF3B4**	protein_coding	splicing factor 3b subunit 4 [Source:HGNC Symbol;Acc:HGNC:10771]	chr1	149923317	149928344	-1	ensembl_havana	6.625381031	6.602332005	6.557056468	6.610439388	6.586407098	6.584471008	6.684471098	6.612111638	6.622709203
ENSG00000263033	0.134542	0.240510107	0.346495974	1.271468723	**AC007220.1**	lincRNA	TY1 transcription factor [Source:HGNC Symbol;Acc:HGNC:12856]	chr16	11196177	11224969	1	havana	-0.014430241	-0.187678228	0.158817746	-0.06941355	-0.258437325	-0.235383806	-0.21650287	0.163140205	0.529815901
ENSG00000044503	0.134565	0.24051462	0.099532624	1.071426307	**SF3B4**	protein_coding	splicing factor 3b subunit 4 [Source:HGNC Symbol;Acc:HGNC:10771]	chr1	149923317	149928344	-1	ensembl_havana	6.625381031	6.602332005	6.557056468	6.610439388	6.586407098	6.584471008	6.684471098	6.612111638	6.622709203
ENSG00000263033	0.134542	0.240510107	0.346495974	1.271468723	**AC007220.1**	lincRNA	TY1 transcription factor [Source:HGNC Symbol;Acc:HGNC:12856]	chr16	11196177	11224969	1	havana	-0.014430241	-0.187678228	0.158817746	-0.06941355	-0.258437325	-0.235383806	-0.21650287	0.163140205	0.529815901
ENSG00000185885	0.134608	0.24051462	-0.241452824	-1.182182545	**IFITM1**	protein_coding	interferon induced transmembrane protein 1 [Source:HGNC Symbol;Acc:HGNC:5412]	chr11	313506	315272	1	ensembl_havana	3.578150575	3.698876987	3.457424163	3.984977368	3.688427859	3.423225735	3.893272238	3.093770837	3.385224425
ENSG00000218739	0.134641	0.240537486	-0.121478855	-1.087849406	**CEBPZOS**	protein_coding	CEBPZ opposite strand [Source:HGNC Symbol;Acc:HGNC:46288]	chr2	37196488	37216193	1	ensembl_havana	6.126517061	6.187256488	6.065777633	6.228969909	6.222656431	6.110143124	6.002478026	6.100645008	6.084208866
ENSG00000135452	0.134707	0.240625203	-0.153915439	-1.112584906	**TSPAN31**	protein_coding	tetraspanin 31 [Source:HGNC Symbol;Acc:HGNC:10539]	chr12	57738013	57750211	-1	ensembl_havana	6.431022868	6.507980587	6.354005149	6.704505789	6.511873317	6.307562656	6.380221597	6.363506286	6.318667562
ENSG00000106537	0.134862	0.240873749	-0.196653297	-1.146036741	**TSPAN13**	protein_coding

ENSG00000016346	0.144788	0.253253214	-0.124130702	-0.088580864	**SLC15A2**	protein_coding	solute carrier family 15 member 2 [Source:HGNC Symbol;Acc:HGNC:10921]	chr3	121894089	121944102	1	ensembl_havana	2.973220656	3.035286007	2.911155305	2.848324962	3.004205456	3.253327603	2.752865953	2.768504565	3.232095396
ENSG00000065832	0.144864	0.253313003	0.103615315	1.072974147	**EPS15**	protein_coding	epidermal growth factor receptor pathway substrate 15 [Source:HGNC Symbol;Acc:HGNC:3419]	chr1	51354263	51519328	-1	ensembl_havana	7.410529668	7.359722011	7.461337126	7.585929566	7.364754098	7.145119389	7.625217082	7.451895861	7.306899034
ENSG00000273373	0.145004	0.253563099	0.103295816	1.074224713	**AL355488.1**	antisense		chr5	110370154	110373303	1	havana	3.464486939	3.413049031	3.516344837	3.253301988	3.538169938	3.447675186	3.287080137	3.64122666	3.618674744
ENSG00000160993	0.145146	0.253749626	0.170936229	1.125788822	**ALKBH4**	protein_coding	alkB homolog 4, lysine demethylase [Source:HGNC Symbol;Acc:HGNC:21900]	chr7	102456238	102464876	-1	ensembl_havana	3.510472785	3.42500467	3.595940899	3.327306943	3.411886521	3.535838447	3.676073242	3.631727691	3.480021764
ENSG00000169228	0.145134	0.253749626	0.12027912	1.088645135	**RAB24**	protein_coding	RAB24, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9765]	chr5	177301198	177303744	-1	ensembl_havana	0.492637001	0.43249744	0.552776561	0.613726219	0.428746719	0.255019383	0.830009905	0.462524992	0.402064725
ENSG00000182307	0.145317	0.254016777	-0.097931497	-1.07023788	**C8orf33**	protein_coding	chromosome 8 open reading frame 33 [Source:HGNC Symbol;Acc:HGNC:26104]	chr8	145052378	145056030	1	ensembl_havana	5.564093428	5.613059177	5.51512768	5.540719401	5.685069054	5.613389076	5.509351583	5.560501132	5.483966524
ENSG00000153246	0.145344	0.254033843	-0.155594463	-1.113880499	**PLA2R1**	protein_coding	phospholipase A2 receptor 1 [Source:HGNC Symbol;Acc:HGNC:9042]	chr2	159932006	160062610	-1	ensembl_havana	6.318164248	6.359561479	6.240367016	6.71694892	6.416417598	6.05451792	6.531982222	6.09697734	6.092141487
ENSG00000224728	0.145419	0.254104273	0.178623152	1.131803224	**IMPDH1P8**	processed_pseudogene	inosine monophosphate dehydrogenase 1 pseudogene 8 [Source:HGNC Symbol;Acc:HGNC:33963]	chr3	15878047	15879571	1	havana	-0.202401871	-0.291713447	-0.113090295	-0.73288918	-0.34076431	0.198513145	-0.35894771	-0.11936381	0.139040636
ENSG00000239213	0.14542	0.254104273	0.145565461	1.106164127	**NCK1-AS1**	antisense	NCK1 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:HGNC:48645]	chr3	136841726	136862054	-1	havana	2.52321838	2.45043565	2.596001111	2.26832323	2.546946467	2.536037252	2.349154471	2.572545352	2.866303509
ENSG00000262049	0.145573	0.25433961	0.280482299	1.214600883	**AC139530.1**	antisense		chr17	81701324	81701930	-1	ensembl_havana	1.665910961	1.525668812	1.806152111	1.222335231	1.452682866	1.901991138	1.831005931	1.821636648	1.766086754
ENSG00000280374	0.14559	0.25433961	-0.144183657	-1.109638221	**AC019080.5**	sense_intronic	RAB24, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9765]	chr14	177317715	177318471	-1	havana	0.60074261	0.673884439	0.526792782	0.206378087	1.013233389	0.80189684	0.24405081	0.737534657	0.603166878
ENSG00000186862	0.145639	0.254339363	0.243946304	1.182586902	**PDZD7**	protein_coding	PDZ domain containing 7 [Source:HGNC Symbol;Acc:HGNC:26257]	chr10	101007683	101021295	-1	ensembl_havana	0.698375128	0.577402026	0.81948423	0.637191984	0.658018659	0.436993439	1.052687018	0.520376201	0.879581471
ENSG00000244306	0.145675	0.254525737	-0.21997217	-1.164711119	**AL589743.1**	transcribed_processed_pseudogene		chr14	39284653	39337730	-1	havana	1.051137373	1.161123458	0.941152288	1.075455542	1.140065346	1.267849488	0.592614899	1.226127349	1.100471615
ENSG00000185495	0.145704	0.254441879	0.103313176	1.074525531	**AC138393.1**	transcribed_unprocessed_pseudogene		chr1	223992743	224010612	1	havana	4.147146005	4.095479416	4.198812593	4.065026968	4.061305939	4.160105343	4.230361879	4.089590121	4.276485779
ENSG00000054965	0.145773	0.254441879	0.094972547	1.068045084	**FAM168A**	protein_coding	family with sequence similarity 168 member A [Source:HGNC Symbol;Acc:HGNC:28999]	chr11	73400487	73598189	-1	ensembl_havana	5.846078103	5.798591829	5.893564376	5.731765241	5.835195738	5.880304096	5.846061482	5.95432755	
ENSG00000144045	0.146121	0.254895269	0.538705367	1.438739467	**DDX1**	protein_coding	ubiquitin specific peptidase 34 [Source:HGNC Symbol;Acc:HGNC:20066]	chr2	74518131	74526336	-1	ensembl_havana	0.038368787	-0.224033896	0.30077147	0.297565234	-0.138375936	-0.585907617	0.069637898	0.163140205	0.669536307
ENSG00000027075	0.146197	0.254993036	0.289933046	1.122583538	**FRKCH**	protein_coding	small integral membrane protein 26 [Source:HGNC Symbol;Acc:HGNC:45430]	chr14	61187559	61550976	1	ensembl_havana	-0.328875821	-0.473842344	-0.183909298	-0.92570229	-0.299011653	-0.196781087	-0.21650287	-0.37473441	0.039509383
ENSG00000168348	0.146217	0.254993036	0.188553204	1.139620283	**INSM2**	protein_coding	protein kinase C eta [Source:HGNC Symbol;Acc:HGNC:9403]	chr14	35534042	35537054	1	ensembl_havana	0.283699577	0.189422976	0.377976179	-0.188131307	0.271370116	0.485201876	0.102648156	0.625615656	0.402064725
ENSG00000127663	0.146229	0.254993036	0.151897849	1.113030059	**KDM4B**	protein_coding	INSM transcriptional repressor 2 [Source:HGNC Symbol;Acc:HGNC:29136]	chr19	4969113	5153595	1	ensembl_havana	5.337738795	5.26178387	5.411687719	5.375257722	5.085094197	5.325018141	5.620425101	5.345065115	5.275527942
ENSG00000005108	0.146315	0.255078255	0.225523557	1.169201478	**THSD7A**	protein_coding	lysine demethylase 4B [Source:HGNC Symbol;Acc:HGNC:29360]	chr7	11370357	11832198	-1	ensembl_havana	3.175770564	3.063008786	3.288532343	2.411295717	3.150754678	3.626974162	2.936891701	3.368684571	3.560202757
ENSG00000116677	0.1463	0.255078255	-0.402302458	-1.32161545	**JOSD2**	protein_coding	thrombospondin type 1 domain containing 7A [Source:HGNC Symbol;Acc:HGNC:22207]	chr19	50505998	50511353	-1	ensembl_havana	1.939907907	2.141059136	1.738756679	2.484284696	1.928291156	2.130601557	2.269679948	1.831488934	1.090101154
ENSG00000144199	0.146405	0.255204219	0.14243168	1.103765486	**FAHD2B**	protein_coding	Josephin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28853]	chr2	97083583	97094882	-1	ensembl_havana	4.929148161	4.857931322	4.883497689	4.906430054	4.955681926	5.140983223			
ENSG00000228651	0.146611	0.255533071	-0.281938309	-1.215827293	**AC074327.1**	antisense	fumarylacetoacetate hydrolase domain containing 2B [Source:HGNC Symbol;Acc:HGNC:25318]	chr10	52556702	52753409	-1	havana	-0.011088696	0.129870459	-0.15206785	0.749126884	-0.34076431	-0.018751196	0.141952326	-0.19956768	-0.398588198
ENSG00000126003	0.146678	0.255619304	0.115400778	1.083275936	**PLAGL2**	protein_coding	PLAG1 like zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:9047]	chr20	32192503	32207791	-1	ensembl_havana	0.283699577	0.189422976	-0.188131307	0.271370116	0.485201876	0.102648156	0.625615656	0.402064725	
ENSG00000164061	0.146698	0.255621433	0.26117252	1.198453326	**BSN**	protein_coding	lysine demethylase 4B [Source:HGNC Symbol;Acc:HGNC:29136]	chr3	49554489	49671545	1	ensembl_havana	5.337738795	5.26178387	5.411687719	5.375257722	5.085094197	5.325018141	5.620425101	5.345065115	5.275527942
ENSG00000144959	0.146759	0.255697213	0.09999352	1.071768648	**NCEH1**	protein_coding	thrombospondin type 1 domain containing 7A [Source:HGNC Symbol;Acc:HGNC:22207]	chr7	11370357	11832198	-1	ensembl_havana	3.175770564	3.063008786	3.288532343	2.411295717	3.150754678	3.626974162	2.936891701	3.368684571	3.560202757
ENSG00000230715	0.146848	0.255790742	0.592764068	1.508133424	**AC018638.2**	processed_pseudogene	Josephin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28853]	chr7	128652841	128651243	1	ensembl_havana	-0.38709622	-0.683478254	0.16904781	-0.090714185	-0.77443999	-1.42549258	0.16904781	-0.158938647	-0.182871985
ENSG00000201552	0.146926	0.255790742	-0.244307766	-1.184542227	**AL021068.1**	lincRNA	thrombospondin type 1 domain containing 7A [Source:HGNC Symbol;Acc:HGNC:22207]	chr1	169488276	169489386	1	havana	0.806995547	0.9288534	0.684545694	0.852697155	1.170104606	0.763405444	0.399634207	0.758913071	0.895089805
ENSG00000113621	0.146933	0.255907711	-0.09227407	-1.066049456	**TXNDC15**	protein_coding	thioredoxin domain containing 15 [Source:HGNC Symbol;Acc:HGNC:20652]	chr5	134873803	134901525	-1	ensembl_havana	5.952026113	5.998163297	5.966215285	5.909568916	5.848386685				
ENSG00000182362	0.147023	0.256033763	-0.198778225	-1.147725968	**YBEY**	protein_coding	ybeY metallopeptidase [putative] [Source:HGNC Symbol;Acc:HGNC:1299]	chr21	46286337	46297751	1	ensembl_havana	2.867891178	2.96728029	2.768502066	3.245688341	2.836393311	2.819759219	2.775774631	2.871367873	2.658336693
ENSG00000155329	0.147183	0.256280375	-0.13392989	-1.092778613	**ZCCHC10**	protein_coding	zinc finger CCHC-type containing 10 [Source:HGNC Symbol;Acc:HGNC:25954]	chr5	132996985	133026604	-1	ensembl_havana	3.908883729	3.975848674	3.841918784	4.029965525	4.073277629	3.824271868	3.744444859	3.961753514	3.819557978
ENSG00000185551	0.147279	0.25641616	-0.146702218	-1.107036061	**NR2F2**	protein_coding	nuclear receptor subfamily 2 group F member 2 [Source:HGNC Symbol;Acc:HGNC:7976]	chr15	96325938	96340263	1	ensembl_havana	3.280140749	3.353491858	3.20678964	3.418165445	3.467356922	3.174953208	3.483332049	3.155524498	3.026512374
ENSG00000273759	0.147337	0.256487078	-0.431314517	-1.348461674	**AC092427.1**	lincRNA		chr20	62928821	62929297	-1	havana	-0.285742099	-0.07008484	-0.501399357	-0.27307956	0.185737694	-0.122912658	-0.46237776	-0.93694677	-0.104873545
ENSG00000165914	0.147393	0.25649082	0.134053099	1.097372326	**TTC7B**	protein_coding	tetratricopeptide repeat domain 7B [Source:HGNC Symbol;Acc:HGNC:30858]	chr14	90524564	90816479	-1	ensembl_havana	5.509113123	5.442086574	5.576139673	5.381350195	5.448964991	5.495944535	5.67628107	5.474273543	5.577864406
ENSG00000139719	0.147385	0.25649082	0.092580223	1.066275484	**VPS33A**	protein_coding	VPS33A, CORVET/HOPS core subunit [Source:HGNC Symbol;Acc:HGNC:18179]	chr12	122229564	122266521	-1	ensembl_havana	4.331213944	4.284923833	4.377504056	4.253145723	4.287112591	4.314331185	4.3323957	4.40983618	4.390280286
ENSG00000198146	0.147362	0.25649082	-0.127341885	-1.09227936	**ZNF770**	protein_coding	zinc finger protein 770 [Source:HGNC Symbol;Acc:HGNC:26051]	chr15	34978341	34988287	-1	ensembl_havana	6.600710006	6.664380949	6.537039063	6.735414675	6.688946001	6.56878217	6.459550113	6.631765812	6.519801265
ENSG00000187741	0.147449	0.256557756	-0.107311455	-1.077218906	**FANCA**	protein_coding	Fanconi anemia complementation group A [Source:HGNC Symbol;Acc:HGNC:3582]	chr16	89737549	89816657	-1	ensembl_havana	6.302881699	6.356537427	6.249225972	6.547884776	6.613573158	6.20119254	6.614075795		
ENSG00000164989	0.147514	0.256638543	-0.09767889	-1.070050504	**CCDC171**	protein_coding	coiled-coil domain containing 171 [Source:HGNC Symbol;Acc:HGNC:29828]	chr9	15553086	16061663	1	ensembl_havana	3.285979091	3.334818536	3.237139646	3.352331767	3.341016834	3.311101606	3.306885447	3.19134646	3.213187029
ENSG00000100053	0.147534	0.256643048	-0.225465557	-1.169154473	**CRYBB3**	protein_coding	crystallin beta B3 [Source:HGNC Symbol;Acc:HGNC:2400]	chr22	25199850	25207363	1	ensembl_havana	1.083954627	1.196687406	0.971221849	1.158893785	1.338282095	1.092886337	1.212343926	1.14725896	0.954026661
ENSG00000170322	0.147795	0.25703436	0.117465506	1.084827388	**NFRKB**	protein_coding	nuclear factor related to kappaB binding protein [Source:HGNC Symbol;Acc:HGNC:7802]	chr11	129863636	129895590	-1	ensembl_havana	7.035363723	6.979630969	7.094096476	6.862502691	7.022623169	7.044767048	7.104428532	7.078236098	7.099624796
ENSG00000121897	0.147791	0.25703436	-0.125158777	-1.090778506	**LIAS**	protein_coding	lipoic acid synthetase [Source:HGNC Symbol;Acc:HGNC:16429]	chr4	39458587	39485109	1	ensembl_havana	3.839717602	3.902396691	3.777038513	3.850894189	3.902621574	3.953674309	3.581727135	3.859084184	3.890304222
ENSG00000124784	0.147838	0.257078264	-0.117985671	-1.085218593	**RIOK1**	protein_coding	RIO kinase 1 [Source:HGNC Symbol;Acc:HGNC:18656]	chr6	7389496	7418037	1	ensembl_havana	5.875475206	5.934468041	5.81648237	5.992428551	5.895799514	5.915176059	5.74971429	5.854774995	5.844957826
ENSG00000108091	0.147957	0.257254258	0.093013924	1.066596075	**CCDC6**	protein_coding	coiled-coil domain containing 6 [Source:HGNC Symbol;Acc:HGNC:18782]	chr10	59788763	59906656	-1	ensembl_havana	6.632417568	6.585910606	6.67892453	6.670436284	6.663104838	6.624393155	6.797753656	6.733135442	6.505884492
ENSG00000115318	0.147986	0.257273722	-0.26504117	-1.201670341	**LOXL3**	protein_coding	lysyl oxidase like 3 [Source:HGNC Symbol;Acc:HGNC:13869]	chr2	74532414	74555690	-1	ensembl_havana	5.920354098	6.052874683	5.787833513	5.850937542	5.916990925	6.190869582	5.410490753	6.085687939	5.887321847
ENSG00000113924	0.148005	0.257276042	0.307039999	1.237166779	**HGD**	protein_coding	homogentisate 1,2-dioxygenase [Source:HGNC Symbol;Acc:HGNC:4892]	chr3	120628173	120682571	-1	ensembl_havana	-0.025743466	-0.179263466	0.127776533	0.326725152	0.185737694	-0.120253243	0.485518989	0.163140205	-0.265329594
ENSG00000077420	0.148303	0.257730787	0.196597519	1.145992434	**APBB1IP**	protein_coding	amyloid beta precursor protein binding family B member 1 interacting protein [Source:HGNC Symbol;Acc:HGNC:17379]	chr10	26438203	26567803	1	ensembl_havana	4.816424644	4.718125884	4.914723403	4.614237131	4.847853934	4.692286589	5.054287027	4.784189234	4.90569395
ENSG00000186409	0.148286	0.257730787	-0.540908587	-1.454888496	**CCDC30**	protein_coding	coiled-coil domain containing 30 [Source:HGNC Symbol;Acc:HGNC:26103]	chr1	42463330	42654664	1	ensembl_havana	0.805799349	1.070253662	0.535545055	1.237760075	0.945375194	1.045616658	-0.17198403	0.671430284	1.106588913
ENSG00000204220	0.148373	0.257820812	-0.114413156	-1.082534614	**PFDN6**	protein_coding	prefoldin subunit 6 [Source:HGNC Symbol;Acc:HGNC:4926]	chr6	33289302	33298401	-1	ensembl_havana	6.522380135	6.579586713	6.465175557	6.619795224	6.604834949	6.514120964	6.389799749	6.53323817	6.474827571
ENSG00000125863	0.148433	0.257894477	-0.190032007	-1.140789024	**AP5S1**	protein_coding	adaptor related protein complex 5 sigma 1 subunit [Source:HGNC Symbol;Acc:HGNC:15875]	chr20	3820524	3828837	1	ensembl_havana	3.585795217	3.68081122	3.490779214	3.657882159	3.602918888	3.781632414	3.65769116	3.495088671	3.319557811
ENSG00000164757	0.148453	0.257898053	-0.11249541	-1.081096579	**ZNF92**	protein_coding	zinc finger protein 92 [Source:HGNC Symbol;Acc:HGNC:13168]	chr7	65373799	65401135	1	ensembl_havana	5.124607055	5.18085476	5.068359149	4.988429243	5.377543746	5.176591291	4.987167754	5.201185201	5.016725093
ENSG00000106723	0.148567	0.258064874	-0.09742606	-1.069862996	**SPIN1**	protein_coding	spindlin 1 [Source:HGNC Symbol;Acc:HGNC:11243]	chr9	88388419	88478694	1	ensembl_havana	5.717101023	5.765814053	5.668387993	5.667935901	5.842001038	5.78750522	5.578695862	5.688567142	5.737909974
ENSG00000062524	0.148599	0.258089554	0.3037911	1.234383857	**LTK**	protein_coding	leukocyte receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:6721]	chr15	41503638	41513887	-1	ensembl_havana	-0.066231246	-0.218126797	0.085664304	-0.27430976	-0.066640758	-0.274636777	-0.12879794	-0.11936381	0.505154661
ENSG00000105516	0.148621	0.258096384	-0.129700181	-1.09406631	**DBP**	protein_coding	D-box binding PAR bZIP transcription factor [Source:HGNC Symbol;Acc:HGNC:2697]	chr19	48630030	48637438	-1	ensembl_havana	2.838574355	2.909424445	2.773724264	2.921828527	2.927142373	2.861302436	2.618767485	2.895698436	2.786868872
ENSG00000100601	0.148655	0.258124301	-0.154473876	-1.113015648	**ALKBH1**	protein_coding	alkB homolog 1, histone H2A dioxygenase [Source:HGNC Symbol;Acc:HGNC:17911]	chr14	77672404	77708020	-1	ensembl_havana	4.144012106	4.221249044	4.066775167	4.371743869	4.259436046	4.032567216	4.035318582	4.1063662	4.05864072
ENSG00000144029	0.148683	0.258140725	0.106580694	1.076673405	**MRPS5**	protein_coding	mitochondrial ribosomal protein 55 [Source:HGNC Symbol;Acc:HGNC:14498]	chr2	95087207	95149434	-1	ensembl_havana	5.640940647	5.587650301	5.694230994	5.489259151	5.642848364	5.630843386	5.583572832	5.674573768	5.824546382
ENSG00000182613	0.148752	0.258230235	0.188849157	1.139854088	**OR2V2**	protein_coding	olfactory receptor family 2 subfamily V member 2 [Source:HGNC Symbol;Acc:HGNC:15341]	chr5	181147586	181159285	1	ensembl_havana	-0.250064979	-0.344489558	-0.1556404	-1.070289	-0.299011651	0.335383975	-0.82634296	0.097529431	0.261892331
ENSG00000142657	0.148782	0.258251279	-0.092901329	-1.066512836	**PGD**	protein_coding	phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:8891]	chr1	10398592	10420144	1	ensembl_havana	9.104276255	9.150726919	9.060756704	9.090205467	9.001281585	9.234038384	9.003734868	8.935703518	
ENSG00000105705	0.148809	0.258266911	0.12149845	1.087864182	**SUGP1**	protein_coding	SURP and G-patch domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18643]	chr19	19276018	19320844	-1	ensembl_havana	5.181044176	5.120294951	5.241793401	5.100307061	5.159042677	5.101535114	5.354525885	5.188423914	5.181430602
ENSG00000165280	0.148855	0.258291511	-0.093540649	-1.066985558	**VCP**	protein_coding	valosin containing protein [Source:HGNC Symbol;Acc:HGNC:12666]	chr9	35056064	35073249	-1	ensembl_havana	10.00377418	10.05054451	9.957003859	10.18524594	10.02367103	9.942716552	10.07881049	9.969759734	9.822441349
ENSG00000181896	0.148859	0.258291511	-0.113339989	-1.081729657	**ZNF101**	protein_coding	zinc finger protein 101 [Source:HGNC Symbol;Acc:HGNC:13081]	chr19	19668796	19683509	1	ensembl_havana	4.271730171	4.328400366	4.215060376	4.288970699	4.342571664	4.353658734	4.065845049	4.311987074	4.267349007
ENSG00000123684	0.148908	0.25831362	-0.091064569	-1.065820561	**LPGAT1**	protein_coding	lysophosphatidylglycerol acyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:28985]	chr1	211743457	211830772	-1	ensembl_havana	7.443522004	7.489504289	7.397539719	7.540538392	7.484480936	7.443493537	7.421716804	7.39712138	7.373769974
ENSG00000176244	0.148905	0.25831362	-0.178587205	-1.113775024	**ACBD7**	protein_coding	acyl-CoA binding domain containing 7 [Source:HGNC Symbol;Acc:HGNC:17715]	chr10	15077523	15088776	-1	ensembl_havana	0.462344321	0.551637924	0.373050719	0.355307344	0.658018659	0.641587769	0.428834256	0.399280361	0.29103759
ENSG00000157014	0.148979	0.258374005	0.105955674	1.076207058	**TATDN2**	protein_coding	TatD DNase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28988]	chr3	10248023	10281218	1	ensembl_havana	5.071435215	5.018457378	5.124413052	4.996390673	5.061428398	4.997733062	5.129580575	5.076894789	5.166763792
ENSG00000099956	0.148964	0.258374005	-0.105887883	-1.07615649	**SMARCB1**	protein_coding	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1 [Source:HGNC Symbol;Acc:HGNC:11103]	chr22	23786931	23838008	1	ensembl_havana	5.943163614	5.996107556	5.890219673	6.005448959	6.029311023	5.953562685	5.931607444	5.837295022	5.919756553
ENSG00000164405	0.149007	0.25839089	-0.117698324	-1.085002467	**UQCRQ**	protein_coding	ubiquinol-cytochrome c reductase complex III subunit VII [Source:HGNC Symbol;Acc:HGNC:29594]	chr5	132866560	132868031	-1	ensembl_havana	5.79952014	5.858369304	5.74067098	5.954399692	5.85188033	5.76882789	5.760521536	5.685081503	5.776409902
ENSG00000166562	0.149048	0.258431316	0.125392433	1.090804407	**SEC11C**	protein_coding	SEC11 homolog C, signal peptidase complex subunit [Source:HGNC Symbol;Acc:HGNC:23400]	chr18	59139477	59158336	1	ensembl_havana	6.864736861	6.802404644	6.927433078	7.115547679	6.741783219	6.548791034	7.096204647	6.926203034	6.759891553
ENSG00000278129	0.149093	0.258460274	0.096436436	1.069129369	**ZNF8**	protein_coding	zinc finger protein 8 [Source:HGNC Symbol;Acc:HGNC:13154]	chr19	58278951	58302805	1	ensembl_havana	4.762204594	4.714076376	4.810512811	4.67218582	4.775201171	4.694842136	4.793103879	4.815133357	4.823301198
ENSG00000203857	0.149102	0.258460274	-0.199154929	-1.148025692	**HSD3B1**	protein_coding	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 [Source:HGNC Symbol;Acc:HGNC:5217]	chr1	119507198	119515054	1	ensembl_havana	2.972013508	3.072590973	2.872436043	2.566036057	3.321074063	3.327662798	2.65122947	2.905316921	3.060761739
ENSG00000111817	0.149119	0.258460274	-0.200688995	-1.149247076	**DSE**	protein_coding	dermatan sulfate epimerase [Source:HGNC Symbol;Acc:HGNC:21144]	chr6	116254173	116444860	1	ensembl_havana	2.29916472	2.399509217	2.198820222	2.26823223	2.45231388	2.477827542	2.356771314	2.037960042	2.20172931
ENSG00000185721	0.149139	0.258463764	-0.111804761	-1.088079358	**DRG1**	protein_coding	developmentally regulated GTP binding protein 1 [Source:HGNC Symbol;Acc:HGNC:3029]	chr22	31199523	31530634	1	ensembl_havana	6.098538765	6.154441145	6.042636384	6.148067837	6.235587258	6.079668341	5.961227372	6.091194655	6.075486825
ENSG00000150907	0.149169	0.258485853	0.122601382	1.088744463	**FOXD1**	protein_coding	forkhead box D1 [Source:HGNC Symbol;Acc:HGNC:3819]	chr13	40469853	40606597	-1	ensembl_havana	4.316352366	4.255039675	4.377085057	4.275520569	4.421096817	4.279526858	4.194681422	4.474261395	4.464112353
ENSG00000213073	0.149267	0.258593288	0.35334534	1.277519524	**AL353625.1**	transcribed_processed_pseudogene		chr6	160093082	160096212	1	havana	1.857325504	1.680652834	2.031988174	1.92171846	1.500754142	1.6194859	2.528460247	2.17149534	1.402089195
ENSG00000089597	0.14926	0.258593288	-0.095182131	-1.068348347	**GANAB**	protein_coding	glucosidase II alpha subunit [Source:HGNC Symbol;Acc:HGNC:4138]	chr11	62624826	62646726	-1	ensembl_havana	9.273953546	9.321644612	9.226268541	9.417191213	9.2128826	9.180739205	9.285165639		
ENSG00000163877	0.149323	0.258658473	0.093091778	1.066653635	**SNIP1**	protein_coding	Smad nuclear interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:30587]	chr1	37534449	37554344	1	ensembl_havana	5.152700697	5.106154808	5.199246586	5.226543391	5.196011823	4.89590921	5.321821412	5.25483795	5.021080396
ENSG00000072849	0.149449	0.258845406	-0.132957585	-1.09653935	**DERL2**	protein_coding	derlin 2 [Source:HGNC Symbol;Acc:HGNC:17943]	chr17	5471251	5486811	-1	ensembl_havana	5.0214101	5.087888892	4.954931307	5.154169299	5.142092393	4.967404986	4.942309992	4.924416975	4.998069556
ENSG00000171453	0.149476	0.258800898	-0.091982913	-1.065834113	**POLR1C**	protein_coding	RNA polymerase I subunit C [Source:HGNC Symbol;Acc:HGNC:20194]	chr6	43509702	43562419	1	ensembl_havana	5.975546203	6.02153766	5.929554747	6.027816972	6.022123351	6.014672657	5.934117833	5.904780739	5.949756568
ENSG00000063438	0.149557	0.258969836	0.26604308	1.202505156	**AHRR**	protein_coding	aryl-hydrocarbon receptor repressor [Source:HGNC Symbol;Acc:HGNC:346]	chr5	304176	438291	1	ensembl_havana	2.145926156	2.012904616	2.278947696	1.87313074	1.798787764	2.366874344	2.044136302	2.466087459	2.326619329
ENSG00000138623	0.149605	0.259022305	0.090248279	1.06455337	**SEMA7A**	protein_coding	semaphorin 7A (John Milton Hagen blood group) [Source:HGNC Symbol;Acc:HGNC:10761]	chr15	74400289	74433958	-1	ensembl_havana	6.609104893	6.563980753	6.654229032	7.047388518	6.523918484	6.120635256	7.144584148	6.612077402	6.206025546
ENSG00000213760	0.149717	0.259184005	-0.165000025	-1.121166098	**ATP6V1G2**	protein_coding	ATPase H+ transporting V1 subunit G2 [Source:HGNC Symbol;Acc:HGNC:862]	chr6	31544462	31548427	-1	ensembl_havana	2.019731181	2.122231194	1.957231169	2.271436777	2.012022296	2.115420726	2.246292314	1.890792227	1.734608964
ENSG00000089693	0.149753	0.259215167	0.140620558	1.102379189	**MLF2**	protein_coding	myeloid leukemia factor 2 [Source:HGNC Symbol;Acc:HGNC:7126]	chr12	6747996	6767475	-1	ensembl_havana	6.948255474	6.877945195	7.018565753	6.905114009	6.805369129	6.923352446	7.124361778	7.047890634	6.888439446
ENSG00000119681	0.149836	0.259328636	0.184163037	1.136315169	**LTBP2**	protein_coding	latent transforming growth factor beta binding protein 2 [Source:HGNC Symbol;Acc:HGNC:6715]	chr14	74498170	74612378	-1	ensembl_havana	1.143530903	1.051349384	1.235712422	1.075455542	0.910210399	1.168382212	1.178360195	1.358059196	1.170717874
ENSG00000135338	0.149882	0.259332265	0.137114877	1.099703711	**LCA5**	protein_coding	LCA5, lebercilin/Leber congenital amaurosis 5 [Source:HGNC Symbol;Acc:HGNC:31923]	chr6	79484991	79537458	-1	ensembl_

					transmembrane protein 208 [Source:HGNC														
ENSG00000168701	0.168128	0.28135634	-0.095909273	-1.068738779	**TMEM208**	protein_coding	Symbol;Acc:HGNC:25015]	chr16	67227103	67229278	1	ensembl_havana	5.215500459	5.263455095	5.167545822	5.350624948	5.256763693	5.182976644	5.176602673	5.202160994	5.1238738
							ribosomal protein 14A pseudogene 16 [Source:HGNC												
ENSG00000224892	0.168108	0.28135634	-0.255433605	-1.193694457	**RPS4XP16**	transcribed_processed_pseudogene	Symbol;Acc:HGNC:36365]	chr13	51454164	51461315	1	havana	-0.037602398	0.090114405	-0.165319201	0.41082706	0.09469996	-0.235383806	-0.00669342	-0.42206346	-0.067400719
							family with sequence similarity 135 member B [Source:HGNC												
ENSG00000147724	0.168126	0.28135634	-0.321568826	-1.249671434	**FAM135B**	protein_coding	Symbol;Acc:HGNC:28029]	chr8	138130023	138496822	-1	ensembl_havana	0.432798383	0.593573397	0.27202459	1.04068047	0.570631912	0.16904781	0.668022463	-0.19956768	0.347618925
							TATA element modulatory factor 1 [Source:HGNC												
ENSG00000144747	0.168283	0.28158364	-0.117167318	-1.08660319	**TMF1**	protein_coding	Symbol;Acc:HGNC:11870]	chr3	69019827	69052339	-1	ensembl_havana	0.666004753	0.671862612	0.601461094	0.912954149	0.762839549	0.533524539	0.670979314	0.662870603	0.530533365
							N(alpha)-acetyltransferase 16, NatA auxiliary subunit												
ENSG00000172766	0.168383	0.28171658	0.086657709	1.061907211	**NAA16**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:26164]	chr13	41311205	41377030	1	ensembl_havana	4.556036537	4.512707682	4.599365392	4.440057745	4.565180657	4.532885234	4.540671651	4.623032125	4.634392398
							MYST/Esa1 associated factor 6 [Source:HGNC												
ENSG00000163875	0.168444	0.28176604	0.096695425	1.069321314	**MEAF6**	protein_coding	Symbol;Acc:HGNC:29574]	chr1	37492575	37514774	-1	ensembl_havana	6.162010194	6.113662421	6.210357846	6.086000741	6.165088227	6.089898295	6.232574829	6.181042051	6.217456659
							golgin A7 family member B [Source:HGNC												
ENSG00000152265	0.168451	0.28176604	-0.11973267	-1.086533359	**GOLGA7B**	protein_coding	Symbol;Acc:HGNC:31668]	chr10	97850239	97871580	-1	ensembl_havana	5.110313414	5.170170649	5.050447179	5.108725578	5.242697577	5.15921579	5.137340541	5.032599911	4.981401085
							preseilin 1 [Source:HGNC Symbol;Acc:HGNC:9508]												
ENSG00000080815	0.168474	0.28177135	-0.092934941	-1.066537684	**PSEN1**	protein_coding		chr14	73136418	73223691	1	ensembl_havana	7.157145901	7.203613371	7.11067843	7.38895427	7.249270266	6.972624579	7.251874323	7.135545271	6.944615696
							glucosamine-phosphate N-acetyltransferase 1 [Source:HGNC												
ENSG00000100522	0.168564	0.28188842	-0.090575018	-1.064794495	**GNPNAT1**	protein_coding	Symbol;Acc:HGNC:19983]	chr14	52775194	52791668	-1	ensembl_havana	6.009080811	6.054368321	5.963793302	5.98844238	6.119150067	6.055512515	5.867031186	6.004359071	6.019991752
							formin 1 [Source:HGNC Symbol;Acc:HGNC:3768]												
ENSG00000248905	0.168696	0.28204023	0.256249597	1.194369804	**FMN1**	protein_coding		chr15	32765545	33194733	-1	ensembl_havana	1.278867969	1.15074317	1.406992767	0.515840645	1.440410516	1.495978329	1.178360195	1.614107429	1.428510677
							SPRY domain containing 4 [Source:HGNC												
ENSG00000176422	0.168688	0.28204023	-0.0853241	-1.06092605	**SPRYD4**	protein_coding	Symbol;Acc:HGNC:27468]	chr12	56468567	56479707	1	ensembl_havana	5.144265408	5.186927458	5.101603358	5.18832996	5.141164845	5.231307567	5.09470424	5.052214115	5.157891719
							tyrosylprotein sulfotransferase 2 [Source:HGNC												
ENSG00000128294	0.168754	0.28206936	0.171443357	1.126184623	**TPST2**	protein_coding	Symbol;Acc:HGNC:12021]	chr22	26521983	26596717	1	ensembl_havana	1.922615335	1.836893656	2.008337013	1.996207752	1.657409759	1.857063457	1.956619779	2.072520377	1.995870885
							nuclear pore complex interacting protein family member B11												
ENSG00000254206	0.168755	0.28206936	0.155127765	1.113520227	**NPIPB11**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:37451]	chr16	29381354	29404029	-1	ensembl_havana	-0.024887426	-0.102451308	0.052676457	-0.41068387	-0.036373238	0.139703184	-0.04612063	0.097529431	0.106020565
							thioredoxin reductase 1 [Source:HGNC												
ENSG00000198431	0.168769	0.28206936	-0.098655241	-1.070774911	**TXNRD1**	protein_coding	Symbol;Acc:HGNC:12437]	chr12	104215779	104553085	-1	ensembl_havana	7.120420052	7.169747672	7.071092431	6.92759346	7.208012919	7.373636638	6.863390045	7.163117632	7.186769616
							polyribonucleotide nucleotidyltransferase 1 [Source:HGNC												
ENSG00000138035	0.168834	0.28214251	-0.093140144	-1.066689394	**PNPT1**	protein_coding	Symbol;Acc:HGNC:25166]	chr2	55634265	55693910	-1	ensembl_havana	6.777177915	6.823747987	6.730607843	6.719695546	6.824383282	6.927161194	6.585329565	6.737180399	6.889407167
							tetraspanin 5 [Source:HGNC Symbol;Acc:HGNC:17753]												
ENSG00000168785	0.168866	0.28216303	0.094124171	1.067417205	**TSPAN5**	protein_coding		chr4	98470367	98658629	-1	ensembl_havana	6.856004028	6.808981943	6.903106114	6.930861189	6.762266677	6.773819963	6.975240303	6.836357317	6.897720721
							mitochondrially encoded NADH:ubiquinone oxidoreductase												
ENSG00000198695	0.168997	0.28234915	-0.155001687	-1.113422292	**MT-ND6**	protein_coding	core subunit 6 [Source:HGNC Symbol;Acc:HGNC:7462]	chrMT	14149	14673	-1	insdc	5.261117315	5.338618158	5.183616471	5.382218516	5.372708048	5.26092791	5.153829807	5.085143652	5.331879954
							STSG A5 antisense RNA 1 (head to head) [Source:HGNC												
ENSG00000232504	0.169135	0.28254752	0.256542691	1.194612474	**STSGAL5-AS1**	lincRNA	Symbol;Acc:HGNC:53129]	chr2	85889280	85890980	-1	havana	0.9938123	0.865540954	1.122083645	0.490295136	0.658018659	1.448305068	1.143556603	0.861296647	1.361397687
							GTP binding protein 6 (putative) [Source:HGNC												
ENSG00000178605	0.169177	0.28254283	0.264248099	1.201009946	**GTPBP6**	protein_coding	Symbol;Acc:HGNC:30189]	chrX	304529	318819	-1	ensembl_havana	4.094126931	3.962002881	4.22625098	3.947922403	3.807679683	4.130206559	4.513670186	4.205069778	3.960012977
ENSG00000232310	0.169202	0.28259318	-0.095572225	-1.068489126	**AL078590.3**	lincRNA		chr6	134525314	134659836	-1	havana	4.652785192	4.700571305	4.60499908	4.817930597	4.647565219	4.636218098	4.683801679	4.515252589	4.61867197
							dual specificity phosphatase 15 [Source:HGNC												
ENSG00000149599	0.169294	0.28271425	-0.364766696	-1.287673378	**DUSP15**	protein_coding	Symbol;Acc:HGNC:16236]	chr20	31847637	31870747	-1	ensembl_havana	0.209158771	0.391542119	0.026775423	0.237415364	0.428746719	0.508464275	0.36983092	-0.52165082	0.232146171
							SEC63 homolog, protein translocation regulator												
ENSG00000257596	0.169322	0.28272803	-0.116774594	-1.084307984	**SEC63**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:21082]	chr6	107867756	107958189	-1	ensembl_havana	6.492049397	6.550436694	6.4336621	6.654350468	6.560879955	6.436079659	6.409159449	6.454351927	6.437474925
							programmed cell death 5 [Source:HGNC												
ENSG00000105185	0.169389	0.28280708	0.086307849	1.061649724	**PDCD5**	protein_coding	Symbol;Acc:HGNC:8764]	chr19	32581068	32587452	1	ensembl_havana	5.150843295	5.107689371	5.193997219	5.01442492	5.181337648	5.127305544	5.102053563	5.242559499	5.236778596
							dishevelled associated activator of morphogenesis 1												
ENSG00000100592	0.16962	0.28309454	0.102617535	1.073719786	**DAAM1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:18342]	chr14	59188646	59371405	1	ensembl_havana	6.50533288	6.454024112	6.556041647	6.650391445	6.423449323	6.28823157	6.650596543	6.568474452	6.450853947
							nuclear receptor subfamily 3 group C member 1												
ENSG00000111580	0.169614	0.28309454	-0.086999777	-1.062159022	**NR3C1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:7978]	chr5	143277931	143435512	-1	ensembl_havana	6.23890264	6.327402528	6.240402752	6.3938999	6.318812292	6.269495393	6.27640574	6.233050092	6.211752424
							dehydrogenase E1 and transketolase domain containing 1												
ENSG00000181192	0.169602	0.28309454	-0.094859289	-1.070926367	**DHTKD1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:23537]	chr10	12068972	12123225	1	havana	5.27442296	5.323852604	5.224993315	5.21480285	5.309141215	5.430750722	5.280417886	5.188439466	5.280123593
ENSG00000259363	0.169718	0.28322457	-0.178415799	-1.131640566	**AC090825.1**	lincRNA		chr15	99807023	99877148	1	havana	0.79568643	0.884894329	0.70647853	1.02973463	0.923899934	0.703809583	0.56657698	0.861299647	0.691561964
							class II major histocompatibility complex transactivator												
ENSG00000179583	0.169778	0.28329194	-0.23810495	-1.179442098	**CIITA**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:7067]	chr16	10866222	10943021	-1	ensembl_havana	2.544574768	2.663627065	2.42552247	3.151045506	2.132018545	2.707831744	2.535188966	2.183750601	2.554027843
							ubiquitin related modifier 1 [Source:HGNC												
ENSG00000167718	0.170079	0.28376995	0.094556132	1.067736851	**URM1**	protein_coding	Symbol;Acc:HGNC:28378]	chr9	128371319	128392016	1	ensembl_havana	6.159303874	6.112025808	6.20658194	6.003102965	6.203721126	6.137022181	6.246828679	6.202194959	
ENSG00000275601	0.170293	0.284085356	0.15979214	1.117126174	**AC011330.2**	sense_intronic		chr15	43642389	43643023	-1	havana	-0.133293437	-0.213189507	-0.05397167	-0.4596317	0.09469996	-0.274636777	-0.26243933	0.02879206	0.073455173
ENSG00000161533	0.170335	0.28412672	0.116075758	1.083782877	**ACOX1**	protein_coding	acyl-CoA oxidase 1 [Source:HGNC Symbol;Acc:HGNC:119]	chr17	75941507	75979363	-1	ensembl_havana	6.377054569	6.31901669	6.435092448	6.353737286	6.398668866	6.204625917	6.333492935	6.549047692	6.422736717
							ZBED5 antisense RNA 1 [Source:HGNC												
ENSG00000247271	0.170427	0.28417697	0.115624239	1.083443739	**ZBED5-AS1**	antisense	Symbol;Acc:HGNC:48646]	chr11	10858259	10906802	1	havana	0.582136701	0.524324581	0.639948821	0.683014432	0.428746719	0.461222593	0.935503283	0.504278656	0.480066523
							multiple coagulation factor deficiency 2 [Source:HGNC												
ENSG00000180398	0.170414	0.28417697	0.085590092	1.061121673	**MCFD2**	protein_coding	Symbol;Acc:HGNC:18451]	chr2	46901870	46941855	-1	ensembl_havana	7.644783188	7.601988142	7.687578234	7.662597602	7.645995596	7.497370863	7.770049742	7.714452127	7.578232831
							embryonic ectoderm development [Source:HGNC												
ENSG00000074266	0.1704	0.28417697	-0.125893564	-1.091183371	**EED**	protein_coding	Symbol;Acc:HGNC:3188]	chr11	86244544	86278813	-1	ensembl_havana	5.504522255	5.567469037	5.441575473	5.644966873	5.599354734	5.458085503	5.681597922	5.4233008	5.219827697
							zinc finger FYVE-type containing 19 [Source:HGNC												
ENSG00000166140	0.170516	0.28422783	0.099465137	1.071376188	**ZFYVE19**	protein_coding	Symbol;Acc:HGNC:20754]	chr15	40807086	40815084	1	ensembl_havana	5.403335848	5.353603279	5.453068417	5.338149257	5.417739235	5.310927346	5.525622456	5.43994121	5.393641584
							fibronectin type III and SPRY domain containing 1 like												
ENSG00000106701	0.170487	0.28427083	-0.085860681	-1.061320714	**FSD1L**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:13753]	chr9	105447796	105552433	1	ensembl_havana	4.840299225	4.883229566	4.797368885	4.868380636	4.983026437	4.776281629	4.921233938	4.696976819	
							protein phosphatase 1 catalytic subunit gamma												
ENSG00000186298	0.170511	0.28427083	-0.093440187	-1.066911261	**PPP1CC**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:9283]	chr12	110719680	110742939	-1	ensembl_havana	8.106809964	8.153530858	8.060089871	8.176010094	8.196550188	8.087929892	8.054965702	8.06045733	8.06484658
							TBCC domain containing 1 [Source:HGNC												
ENSG00000113838	0.17054	0.28423121	0.102140202	1.073364591	**TBCCD1**	protein_coding	Symbol;Acc:HGNC:25546]	chr3	186546073	186570543	-1	ensembl_havana	4.430429725	4.379359624	4.481499826	4.281543461	4.386413246	4.470121668	4.400307849	4.393842808	4.65134882
							mediator complex subunit 4 [Source:HGNC												
ENSG00000136146	0.170666	0.28441036	-0.095296404	-1.068284867	**MED4**	protein_coding	Symbol;Acc:HGNC:17903]	chr13	48053323	48095131	-1	ensembl_havana	5.132142033	5.179790235	5.084493831	5.187336695	5.261131376	5.090902635	5.136294527	5.087495211	5.029751755
							mitochondrially encoded cytochrome c oxidase III												
ENSG00000198744	0.170915	0.28479214	0.220505721	1.165141943	**MTCO3P12**	unprocessed_pseudogene	pseudogene 12 [Source:HGNC Symbol;Acc:HGNC:52042]	chr1	634376	634922	1	havana	-0.519585852	-0.629838713	-0.409332992	-0.51020874	0.521021188	-0.85820521	-0.46231776	0.063570082	-0.829191301
ENSG00000243477	0.171131	0.28508639	0.20059774	1.149174385	**NAT8**	protein_coding	N-acetyltransferase 8 [Source:HGNC Symbol;Acc:HGNC:30252]	chr3	50296402	50299421	-1	ensembl_havana	2.945205865	2.844806795	3.045490535	2.694632273	2.779207104	3.060717071	3.109124716	3.085339229	2.941755261
ENSG00000073331	0.171144	0.28508639	-0.105590244	-1.079534493	**ALPK1**	protein_coding	alpha kinase 1 [Source:HGNC Symbol;Acc:HGNC:20917]	chr4	112285509	112442620	1	ensembl_havana	4.362615926	4.415411048	4.309820804	4.285261859	4.513401796	4.447569488	4.259097319	4.438273325	4.232091769
ENSG00000267359	0.171151	0.28508639	-0.292682429	-1.224915669	**AC015911.6**	antisense		chr17	35553205	35554767	1	havana	0.3988938	0.545235015	0.252552586	0.832812769	0.271370116	0.531522158	0.069637808	0.063570082	0.624449778
							OTU deubiquitinase 7B [Source:HGNC												
ENSG00000264522	0.171171	0.28508649	0.086074194	1.061477796	**OTUD7B**	protein_coding	Symbol;Acc:HGNC:16683]	chr1	149937812	150010676	-1	ensembl_havana	5.431095001	5.388057904	5.474132097	5.465192049	5.376738921	5.325842741	5.575435165	5.439113732	5.407847195
							long intergenic non-protein coding RNA 1238 [Source:HGNC												
ENSG00000237940	0.171291	0.28525244	0.273216528	1.208499208	**LINC01238**	lincRNA	Symbol;Acc:HGNC:49795]	chr2	241970683	241977276	1	havana	-0.004627358	-0.141235622	0.131988906	-0.67394004	0.52486995	-0.274636777	-0.08686711	0.343769191	0.139040636
							adaptor related protein complex 1 sigma 2 subunit												
ENSG00000182287	0.171343	0.2853039	-0.098606029	-1.070738386	**AP1S2**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:566]	chrX	15825806	15854991	-1	ensembl_havana	4.952332542	5.001635556	4.903029527	4.954969984	5.052203621	4.997733062	4.872294542	4.867738128	4.969055913
							activating signal cointegrator 1 complex subunit 3												
ENSG00000112249	0.171361	0.2853039	-0.104885004	-1.075408667	**ASCC3**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:18697]	chr6	100508194	100881372	-1	ensembl_havana	6.45200577	6.504448272	6.399563268	6.477127794	6.379932463	6.655284559	6.274898961	6.370601426	6.552889417
							kielin/chordin-like protein [Source:HGNC												
ENSG00000135253	0.171396	0.28529195	0.343244537	1.26860641	**KCP**	protein_coding	Symbol;Acc:HGNC:17585]	chr7	128862451	128910719	-1	ensembl_havana	1.977062711	1.805440442	2.148684979	1.738566362	1.569984981	2.071769984	2.474640945	2.106272137	1.866312856
ENSG00000142330	0.171436	0.28536301$	0.19687553	1.146213291	**CAPN10**	protein_coding	calpain 10 [Source:HGNC Symbol;Acc:HGNC:1477]	chr2	240586716	240617705	-1	ensembl_havana	3.875735592	3.777297827	3.974173357	3.733139685	3.611154138	3.987419659	4.175428345	3.861556733	3.885534993
							AT-rich interaction domain 4B [Source:HGNC												
ENSG00000054267	0.171687	0.28569408	-0.089831853	-1.064246137	**ARID4B**	protein_coding	Symbol;Acc:HGNC:15555]	chr1	235131634	235328219	-1	ensembl_havana	6.900070851	6.944986777	6.855154925	7.208314758	6.853600122	6.773045453	7.063123157	6.796208927	6.70613269
ENSG00000270804	0.171664	0.28569408	-0.095913448	-1.068741872	**AC010326.4**	transcribed_processed_pseudogene		chr19	57867885	57868834	1	havana	2.419023048	2.466979772	2.371066324	2.424845514	2.440056551	2.536037252	2.318278476	2.41986126	2.375059235
							protein phosphatase 4 regulatory subunit 3A [Source:HGNC												
ENSG00000100796	0.171695	0.28569408	-0.10960377	-1.078931872	**PPP4R3A**	protein_coding	Symbol;Acc:HGNC:29372]	chr14	91457611	91510554	-1	ensembl_havana	6.800489333	6.855292118	6.745687447	6.940303622	6.863112273	6.762729759	6.706063755	6.800725433	6.730273155
							guanine monophosphate synthase [Source:HGNC												
ENSG00000163655	0.171806	0.28584507	-0.085143663	-1.060940437	**GMPS**	protein_coding	Symbol;Acc:HGNC:4378]	chr3	155870536	155944026	1	ensembl_havana	7.441396611	7.484068442	7.398724779	7.268490938	7.569347875	7.614366513	7.207280008	7.47044058	7.51845375
							Putative short transient receptor potential channel 2-like												
ENSG00000254469	0.171853	0.28589069	0.13371914	1.097118333	**AP002495.1**	protein_coding	protein [Source:UniProtKB/TrEMBL;Acc:Q8ZMB5]	chr11	71865509	71928654	-1	havana	1.507315774	1.440458004	1.574177144	1.424690178	1.535784795	1.360899039	1.415636519	1.637380031	1.669514881
							signal sequence receptor subunit 4 pseudogene 1												
ENSG00000235374	0.171907	0.28594774	-0.135674727	-1.098606496	**SSR4P1**	transcribed_processed_pseudogene	[Source:HGNC Symbol;Acc:HGNC:23151]	chr21	45070952	45074165	-1	havana	0.607314964	0.675152327	0.5194776	0.464289132	0.837200041	0.723967808	0.457455004	0.758913071	0.402064725
ENSG00000150991	0.171965	0.28601158	0.090535028	1.064764981	**UBC**	protein_coding	ubiquitin C [Source:HGNC Symbol;Acc:HGNC:12468]	chr12	124911604	124917368	-1	ensembl_havana	8.872037886	8.826765571	8.91713046	9.026787376	8.81556304	8.637958299	9.060667532	8.95029029	8.740955977
							MAGE family member B1 [Source:HGNC												
ENSG00000214107	0.17201	0.28605195$	0.136208096	1.099017729	**MAGEB1**	protein_coding	Symbol;Acc:HGNC:6808]	chrX	30243730	30252038	1	ensembl_havana	4.330425284	4.262321236	4.398529332	4.552320854	4.344219408	4.890423445	4.56224422	4.418258389	4.215085387
ENSG00000276390	0.172193	0.28630005	0.266063436	1.202522123	**AC004241.3**	sense_intronic		chr12	47699401	47699917	-1	havana	1.091166963	0.958135245	1.224198681	0.464289132	1.364499946	1.045616658	1.125834805	1.241996536	1.305364703
							transducin beta like 2 [Source:HGNC												
ENSG00000106638	0.172199	0.28630005	-0.132924622	-1.096514296	**TBL2**	protein_coding	Symbol;Acc:HGNC:11586]	chr7	73568932	73578791	-1	ensembl_havana	5.587875852	5.654338163	5.521413541	5.701718001	5.600739946	5.660562543	5.583364636	5.592110986	5.583765002
ENSG00000121879	0.172227	0.28631453	0.08479453	1.060536688	**PIK3CA**	protein_coding	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha [Source:HGNC Symbol;Acc:HGNC:8975]	chr3	179148114	179240093	1	havana	7.7711287	7.728731435	7.813529565	8.060741254	7.917390997	7.406359054	8.142532607	7.821196528	7.476848759
							minichromosome maintenance 10 replication initiation												
ENSG00000065328	0.172444	0.28640927	-0.118866633	-1.08588147	**MCM10**	protein_coding	factor [Source:HGNC Symbol;Acc:HGNC:18043]	chr10	13161554	13211104	1	ensembl_havana	5.520250361	5.579683678	5.460817044	5.742186515	5.571489937	5.425374582	5.478398647	5.488740922	5.415311564
							M-phase phosphoprotein 8 [Source:HGNC												
ENSG00000196199	0.17262	0.28650153	0.094366238	1.06759632	**MPHOSPH8**	protein_coding	Symbol;Acc:HGNC:29810]	chr13	19633681	19673459	1	ensembl_havana	5.979730084	5.932546965	6.026913203	5.91113593	5.932408848	5.954096115	5.952456816	6.004916267	6.123306526
ENSG00000271862	-0.172692	0.28608718	-0.32149232	-1.249622486	**AC104118.1**	lincRNA		chr5	83049376	83050964	-1	havana	-0.041038082	-0.139708078	-0.201784241	0.515840645	-0.383759308	0.227042895	-0.26243933	-0.19959768	-0.143356712
							eukaryotic translation initiation factor 3 subunit L												
ENSG00000100120	0.172719	0.28659868	0.09790127	1.070215457	**EIF3L**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:18118]	chr22	37848868	37889407	1	ensembl_havana	7.209450593	7.160499958	7.258401228	7.235717073	7.132070883	7.113711917	7.245731999	7.291795542	7.237731143
ENSG00000116194	0.172813	0.28707448	0.393744838	1.311979191	**ANGPTL1**	protein_coding	angiopoietin like 1 [Source:HGNC Symbol;Acc:HGNC:489]	chr1	178640705	178671052	-1	ensembl_havana	0.029075208	-0.166802211	0.224942638	-0.4596317	-0.428075205	0.387300166	0.147052126	0.426254992	0.106620565
ENSG00000141480	0.172824	0.28707448	0.109157163	1.078597925	**ARRB2**	protein_coding	arrestin beta 2 [Source:HGNC Symbol;Acc:HGNC:712]	chr17	4710489	4721499	1	ensembl_havana	5.724240781	5.6696622	5.778831063	5.689142231	5.648860834	5.670983534	5.8509408	5.63320814	5.852309148
							chromosome 11 open reading frame 58 [Source:HGNC												
ENSG00000110696	0.172814	0.28707448	-0.089639615	-1.064104336	**C11orf58**	protein_coding	Symbol;Acc:HGNC:19990]	chr11	16613132	16756881	1	ensembl_havana	6.954860907	6.999680714	6.910041099	6.97095101	7.072680888	6.955410244	6.89086505	6.930330932	6.908927316
							integrator complex subunit 9 [Source:HGNC												
ENSG00000104299	0.172878	0.28709783$	-0.094231352	-1.066794509	**INTS9**	protein_coding	Symbol;Acc:HGNC:25592]	chr8	28767661	28890242	-1	ensembl_havana	4.835291745	4.882407421	4.788176068	4.831981446	4.860754589	4.954666528	4.783245605	4.797163373	4.784110228
							zinc finger protein 792 [Source:HGNC												
ENSG00000180884	0.172871	0.28709783$	-0.16749682	-1.123106455	**ZNF792**	protein_coding	Symbol;Acc:HGNC:24751]	chr19	34956354	34964049	-1	ensembl_havana	2.38816664	2.471913981	2.304419299	2.305416943	2.603076997	2.507248003	2.966610161	2.351143587	2.59550415
							centromere protein W [Source:HGNC												
ENSG00000203760	0.173043	0.28733726	0.130770706	1.094883292	**CENPW**	protein_coding	Symbol;Acc:HGNC:21488]	chr6	126340174	126348875	1	ensembl_havana	3.568090416	3.502701868	3.633478963	3.330909387	3.670515025	3.507045191	3.48425822	3.634621851	3.781556918
							ceramide 1-phosphate transfer protein [Source:HGNC												
ENSG00000224051	0.173092	0.28732863	0.225535678	1.169211301	**CPTP**	protein_coding	Symbol;Acc:HGNC:28116]	chr1	1324756	1328897	1	ensembl_havana	2.067489676	1.954721836	2.180257515	1.964722995	1.749818205	2.145624309	2.270688985	2.256618822	2.013466737
							chromodomain helicase DNA binding protein 2												
ENSG00000171575	0.173074	0.28732863	-0.092473035	-1.066196266	**CHD2**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:1917]	chr15	92900189	93028005	1	ensembl_havana	6.705338616	6.751575133	6.659102098	6.825143434	6.700570136	6.72884093	6.668303698	6.663285844	6.645716752
							leucine rich repeat containing 63 [Source:HGNC												
ENSG00000173988	0.173167	0.28737367	0.093132823	1.065547301	**LRRC63**	protein_coding	Symbol;Acc:HGNC:34296]	chr13	46211943	46277366	1	ensembl_havana	1.065529019	1.019467108	1.110790931	0.872903038	0.945375194	1.24013209	0.915012722	1.097781778	1.319578292
ENSG00000111846	0.173183	0.28737863	-0.092713296	-1.066373842	**GCNT2**	protein_coding	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group) [Source:HGNC Symbol;Acc:HGNC:4204]	chr6	10492223	10629368	1	ensembl_havana	7.089455746	7.153792394	7.034079097	7.37962701	7.194603097	6.833147075	7.240854305	7.078236098	6.810146889
							SFT2 domain containing 3 [Source:HGNC												
ENSG00000173349	0.173175	0.28737863

					ATP synthase F1 subunit beta [Source:HGNC														
ENSG00000110955	0.195029	0.313022373	-0.087787802	-1.062739351	**ATP5F1B**	protein_coding	Symbol;Acc:HGNC:830]	chr12	56638175	56640068	-1	ensembl_havana	10.47699146	10.52088536	10.43309755	10.48238473	10.48647805	10.5937933	10.43601829	10.43077284	10.43250153
ENSG00000272501	0.195083	0.31303999	0.146082957	-1.10856098	**AL662844.4**	antisense	[Source:RefSeq peptide;Acc:NP_	chr6	31195200	31198037	-1	havana	2.945351581	2.870492102	3.010575059	2.572611954	2.948696943	3.084229941	2.941964313	3.006022175	3.043738688
					ELK3, ETS transcription factor [Source:HGNC														
ENSG00000111145	0.195077	0.31303999	-0.104218552	-1.074911998	**ELK3**	protein_coding	Symbol;Acc:HGNC:3325]	chr12	96194182	96269835	1	ensembl_havana	3.986920872	4.039030148	3.934811596	4.281543461	4.073277629	3.762269355	4.131700936	3.886051921	3.786681933
					praja ring finger ubiquitin ligase 1 [Source:HGNC														
ENSG00000181191	0.195107	0.313043241	0.0789962	1.056282843	**PJA1**	protein_coding	Symbol;Acc:HGNC:16648]	chrX	69160851	69165793	-1	ensembl_havana	5.738237716	5.698739616	5.777735816	5.699629637	5.739298725	5.657290486	5.772672671	5.825945015	5.734589763
					N-acetylated alpha-linked acidic dipeptidase like 1														
ENSG00000168060	0.195149	0.313054305	0.137739956	1.100180285	**NAALADL1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:23536]	chr11	65044818	65058549	-1	ensembl_havana	1.624830358	1.55596038	1.693700336	2.101191983	1.428032914	1.138656243	2.135529305	1.452931788	1.492639914
					calcyon neuronal vesicle trafficking associated														
ENSG00000179397	0.195158	0.313054305	-0.36954557	-1.293945821	**CATSPERE**	protein_coding	Symbol;Acc:HGNC:28491]	chr1	24454377	24464177	1	ensembl_havana	-0.165669508	0.019103277	-0.350442293	0.206379087	-0.258437325	0.109374069	-0.51701327	0.063570082	-0.597883695
					schlafen family member 5 [Source:HGNC														
ENSG00000166750	0.195238	0.31313168	0.098047561	1.070323983	**SLFN5**	protein_coding	Symbol;Acc:HGNC:28286]	chr17	35243036	35273655	1	ensembl_havana	5.057285454	5.008261673	5.106309234	5.023358204	5.06824423	4.933182584	5.091283933	5.274454238	4.953185531
					DAZ associated protein 1 [Source:HGNC														
ENSG00000071626	0.195226	0.31313168	-0.093671784	-1.067082547	**DAZAP1**	protein_coding	Symbol;Acc:HGNC:2683]	chr19	1407569	1435687	1	ensembl_havana	6.34991489	6.396750782	6.303078998	6.423726521	6.277584254	6.488941572	6.323810086	6.270745303	6.314681605
					leucine rich repeats and immunoglobulin like domains 2														
ENSG00000198799	0.195322	0.313178799	0.092732421	1.066387978	**LRIG2**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:20885]	chr1	113073209	113132260	1	ensembl_havana	5.062978249	5.010612039	5.10934446	5.01442492	5.000895365	5.034515831	5.03067271	5.178557852	5.118802818
					phosphatidylinositol glycan anchor biosynthesis class K														
ENSG00000142892	0.195321	0.313178799	-0.092162693	-1.065966939	**PIGK**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:8985]	chr1	77088990	77219430	1	ensembl_havana	5.33108275	5.377164096	5.285001403	5.382218516	5.406222426	5.343051349	5.242840767	5.269807829	5.342355613
					insulin like growth factor 2 mRNA binding protein 2														
ENSG00000073792	0.195349	0.313186674	0.120860288	1.087383083	**IGF2BP2**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:28867]	chr3	185643739	185825056	-1	ensembl_havana	4.790620967	4.730190823	4.851051112	4.572420336	4.670075564	4.94825487	4.857605861	4.761861841	4.933685634
					E2F1-regulated inhibitor of cell death (non-protein coding)														
ENSG00000280303	0.195413	0.313251513	0.115730693	1.083523387	**ERICD**	lincRNA	[Source:HGNC Symbol;Acc:HGNC:49404]	chr8	140636281	140638283	1	havana	3.928820961	3.870955615	3.986686307	4.165286793	3.900383301	3.547139675	4.27927777	3.876303697	3.804477455
					surfactant protein A1 [Source:HGNC														
ENSG00000122852	0.195433	0.313251513	-0.175147708	-1.129079998	**SFTPA1**	protein_coding	Symbol;Acc:HGNC:10796]	chr10	79610939	79615455	1	ensembl_havana	6.34991489	6.396750782	6.303078998	6.423726521	6.277584254	6.488941572	6.323810086	6.270745303	6.314681605
					Bcl2 modifying factor [Source:HGNC Symbol;Acc:HGNC:24132]														
ENSG00000104081	0.195512	0.313308225	0.172458594	1.126977407	**BMF**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:20885]	chr15	40087890	40108892	-1	ensembl_havana	6.421445807	6.33521651	6.507675103	6.083867348	6.294302357	6.627479825	6.319918676	6.683690139	6.519416495
ENSG00000255465	0.195503	0.313308225	0.088075409	1.06147869	**AP003486.1**	lincRNA	[Source:HGNC Symbol;Acc:HGNC:20885]	chr11	130866254	130870247	-1	havana	3.111812239	3.068774514	3.154849923	2.892876923	3.120335496	3.193431225	2.957076007	3.271626249	3.235847512
					exocyst complex component 2 [Source:HGNC														
ENSG00000112685	0.195609	0.313427872	-0.097482478	-1.069904834	**EXOC2**	protein_coding	Symbol;Acc:HGNC:29068]	chr6	485133	693111	-1	ensembl_havana	6.580259662	6.629000901	6.531518423	6.814096998	6.579186647	6.493719236	6.64282947	6.447784855	6.503940945
					adaptor related protein complex 3 beta 2 subunit														
ENSG00000103723	0.195667	0.313434785	0.121330559	1.087737591	**AP3B2**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:567]	chr15	82659281	82709914	-1	ensembl_havana	5.847560048	5.786894769	5.908225328	5.419916296	5.619019923	5.921736837	5.717537836	6.038083322	5.969054825
					mannosyl (alpha-1,3-) glycoprotein beta-1,4-N-														
ENSG00000161013	0.195678	0.313434785	0.110885191	1.079890619	**MGAT4B**	protein_coding	acetylglucosaminyltransferase, isozyme B [Source:HGNC	chr5	179797597	179806952	-1	ensembl_havana	6.177426649	6.121984053	6.232869244	6.143977949	6.132561415	6.089412796	6.404573505	6.166117409	6.127916818
					COBW domain containing 6 [Source:HGNC														
ENSG00000215126	0.195655	0.313434785	-0.109445252	-1.078813329	**CBWD6**	protein_coding	Symbol;Acc:HGNC:31978]	chr9	41131306	41199261	-1	ensembl_havana	2.555954612	2.610677238	2.501231986	2.749490015	2.575286697	2.507248003	2.494337705	2.542041324	2.467316929
					parkin coregulated like [Source:HGNC														
ENSG00000163138	0.195787	0.313560141	0.241024979	1.18183201	**PACRGL**	protein_coding	Symbol;Acc:HGNC:28442]	chr4	20696282	20752907	1	ensembl_havana	2.411993086	2.291480596	2.532505575	2.59028595	2.191830142	2.092345696	2.394263752	2.643226439	2.560026536
					CWF19 like 1, cell cycle control (S. pombe) [Source:HGNC														
ENSG00000095485	0.1958	0.313560141	-0.081119293	-1.057838343	**CWF19L1**	protein_coding	Symbol;Acc:HGNC:25613]	chr10	100232298	100267680	-1	ensembl_havana	5.020495864	5.070055511	4.988936218	4.971219637	5.127813421	5.111133474	4.923199632	5.014938339	5.028670681
					leucine rich repeat containing 56 [Source:HGNC														
ENSG00000161328	0.195825	0.313565097	0.167056541	1.122765424	**LRRC56**	protein_coding	Symbol;Acc:HGNC:25436]	chr11	537527	554916	1	ensembl_havana	0.063851069	-0.019677202	0.147379339	-0.06941355	-0.299010651	0.167974179	0.063570782	0.020773757	
ENSG00000161791	0.195867	0.313565303	0.081931776	1.058434341	**FMNL3**	protein_coding	formin like 3 [Source:HGNC Symbol;Acc:HGNC:23698]	chr12	49636499	49708165	-1	ensembl_havana	7.780804419	7.760838531	7.842730307	7.937082507	7.736137521	7.609295565	7.999481543	7.861591563	7.667237816
					dehydrodolichyl diphosphate synthase subunit														
ENSG00000117682	0.195869	0.313565303	0.07892845	1.056233241	**DHDDS**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:20603]	chr1	26432282	26471294	1	ensembl_havana	6.270834106	6.231369881	6.310298331	6.265664989	6.312092415	6.116352239	6.345027217	6.381277508	6.204590268
					glucosidase xylosyltransferase 1 [Source:HGNC														
ENSG00000151233	0.195892	0.31135671	0.089073729	1.063687031	**GXYLT1**	protein_coding	Symbol;Acc:HGNC:27482]	chr12	42081845	42144879	-1	ensembl_havana	6.350046511	6.305509647	6.394583375	6.245765281	6.337959391	6.332804268	6.377081665	6.464148824	6.341919637
					transcription termination factor 1 [Source:HGNC														
ENSG00000125482	0.196034	0.313759428	0.093077039	1.064648385	**TTF1**	protein_coding	Symbol;Acc:HGNC:12397]	chr9	132375548	132406851	-1	ensembl_havana	4.847496454	4.802307935	4.892684974	4.693330227	4.854806373	4.858763703	4.701856121	5.007142888	4.969055913
					BLOC-1 related complex subunit 7 [Source:HGNC														
ENSG00000166275	0.196087	0.313808984	0.105644766	1.075975156	**BORCS7**	protein_coding	Symbol;Acc:HGNC:25516]	chr10	102854223	102864961	1	ensembl_havana	3.378200752	3.325578369	3.431021135	3.528951643	3.324417061	3.122766403	3.528767195	3.409810774	3.354491438
					SLIT homolog, splicing factor [Source:HGNC														
ENSG00000164699	0.196235	0.314010725	0.0969448	1.069506166	**SLIT**	protein_coding	Symbol;Acc:HGNC:10919]	chr5	160401641	160421711	-1	ensembl_havana	6.686057034	6.637584634	6.734529434	6.773638644	6.638808806	6.500308455	6.782281904	6.724671848	6.69663455
					collagen type VIII alpha 2 chain [Source:HGNC														
ENSG00000171812	0.196273	0.314036823	-0.210492441	-1.157083069	**COL8A2**	protein_coding	Symbol;Acc:HGNC:2216]	chr1	36095236	36125220	-1	ensembl_havana	1.535903232	1.641149453	1.430657012	1.397462791	1.402954459	1.223031109	1.161063346	1.529563273	1.601344415
					DENN domain containing 4C [Source:HGNC														
ENSG00000137145	0.196317	0.314072744	0.099269233	1.071230716	**DENND4C**	protein_coding	Symbol;Acc:HGNC:26079]	chr9	19230435	19373545	1	ensembl_havana	7.662302704	7.612668388	7.711937321	7.840501283	7.515340685	7.482102296	7.848118784	7.722635733	7.565057446
					RB binding protein 9, serine hydrolase [Source:HGNC														
ENSG00000089050	0.196368	0.314118251	-0.086259002	-1.06161378	**RBBP9**	protein_coding	Symbol;Acc:HGNC:9892]	chr20	18486540	18497243	1	ensembl_havana	6.557576781	6.600706283	6.514447228	6.682821116	6.657482483	6.461815249	6.52903572	6.613545053	6.400761067
					integrator complex subunit 12 [Source:HGNC														
ENSG00000138785	0.19639	0.314118688	0.096180933	1.068940042	**INTS12**	protein_coding	Symbol;Acc:HGNC:25067]	chr4	105682627	105895986	-1	ensembl_havana	5.367899512	5.319890945	5.415989978	5.264712754	5.414088582	5.280625819	5.346897146	5.425809131	5.47523658
					ARP1 actin related protein 1 homolog B [Source:HGNC														
ENSG00000115073	0.196471	0.314179126	0.091103226	1.065184415	**ACTR1B**	protein_coding	Symbol;Acc:HGNC:168]	chr2	97655963	97664107	1	ensembl_havana	6.022044574	5.976492961	6.067596187	6.025595712	6.017483722	5.886399449	6.046119518	6.097503864	6.059167579
					butyrophilin subfamily 2 member A1 [Source:HGNC														
ENSG00000112763	0.196471	0.314179126	0.084859505	1.060584453	**BTN2A1**	protein_coding	Symbol;Acc:HGNC:1136]	chr6	26457904	26476621	1	ensembl_havana	5.739628817	5.697199064	5.782058569	5.743538634	5.717251572	5.630843386	5.840113308	5.743891853	5.762170548
					zinc finger protein 480 [Source:HGNC														
ENSG00000198464	0.196534	0.314216759	0.150973624	1.110318534	**ZNF480**	protein_coding	Symbol;Acc:HGNC:23305]	chr19	52297177	52325922	1	ensembl_havana	2.965241916	2.889755104	3.040728728	2.705773822	2.887010108	3.076481383	2.831503656	3.264170155	3.026512374
ENSG00000008056	0.196539	0.314216759	-0.15031003	-1.10380794	**SYNJ**	protein_coding	synaptojn [Source:HGNC Symbol;Acc:HGNC:11494]	chrX	47573898	47619943	-1	ensembl_havana	2.459277357	2.534432372	2.384122342	2.458169134	2.586465946	2.558662038	2.541886448	2.385915525	2.224569053
					CDC42 effector protein 4 [Source:HGNC														
ENSG00000179604	0.196566	0.314225357	0.157011558	1.114975151	**CDC42EP4**	protein_coding	Symbol;Acc:HGNC:17147]	chr17	73283624	73312175	-1	ensembl_havana	3.970366332	3.891860553	4.044872111	3.727865017	4.057293197	3.890423445	4.10707367	4.222487183	3.817055479
					tetratricopeptide repeat domain 21A [Source:HGNC														
ENSG00000168026	0.196592	0.314232527	0.094250983	1.067511034	**TTC21A**	protein_coding	Symbol;Acc:HGNC:30751]	chr3	39107704	39138903	1	ensembl_havana	3.372889246	3.325763754	3.420014737	3.387074749	3.399242599	3.290979315	3.409325542	3.396231887	3.454486781
					RNA polymerase I subunit B [Source:HGNC														
ENSG00000125630	0.196668	0.314318966	-0.114063904	-1.082272583	**POLR1B**	protein_coding	Symbol;Acc:HGNC:20454]	chr2	112541915	112577150	1	ensembl_havana	6.301556946	6.358588898	6.244524994	6.31060118	6.318812292	6.446353222	6.047885069	6.328187468	6.357502444
					LMBR1 domain containing 2 [Source:HGNC														
ENSG00000164187	0.196816	0.314485913	0.115700515	1.083501022	**LMBRD2**	protein_coding	Symbol;Acc:HGNC:25287]	chr5	36098412	36151961	-1	ensembl_havana	5.259030838	5.20118058	5.316881095	5.252418121	5.159978546	5.191145075	5.225264472	5.278160622	5.447218192
					ring finger protein 144B [Source:HGNC														
ENSG00000137393	0.196804	0.314485913	0.113553468	1.081889734	**RNF144B**	protein_coding	Symbol;Acc:HGNC:25578]	chr6	38387350	38468874	1	ensembl_havana	1.400081426	1.343304692	1.45685816	1.222135231	1.51252579	1.295053056	1.229040238	1.780136556	1.361397687
ENSG00000114520	0.196864	0.314526963	0.078780881	1.055124422	**SNX4**	protein_coding	sorting nexin 4 [Source:HGNC Symbol;Acc:HGNC:11175]	chr3	125446644	125520197	-1	ensembl_havana	6.222435196	6.180455155	6.262826736	6.129054149	6.262849761	6.157219156	6.203140679	6.351242811	6.224083218
					serine palmitoyltransferase small subunit A [Source:HGNC														
ENSG00000165389	0.196956	0.314639222	-0.12921806	-1.093700756	**SPTSSA**	protein_coding	Symbol;Acc:HGNC:30361]	chr14	34432789	34462356	-1	ensembl_havana	5.149421642	5.214030672	5.084812612	5.344405588	5.208730419	5.088961009	5.037976679	5.092766357	5.1238738
					CTD small phosphatase 1 [Source:HGNC														
ENSG00000144579	0.19708	0.314796536	-0.081145979	-1.057857997	**CTDSP1**	protein_coding	Symbol;Acc:HGNC:21614]	chr2	218398256	218405941	1	ensembl_havana	5.185624429	5.226197419	5.14505144	5.388282172	5.203293316	5.087016767	5.318899811	5.081264384	5.032900124
					cleavage and polyadenylation specific factor 6 [Source:HGNC														
ENSG00000111605	0.197099	0.314796536	-0.085123215	-1.060778334	**CPSF6**	protein_coding	Symbol;Acc:HGNC:13871]	chr12	69239537	69274358	1	ensembl_havana	6.527689405	6.570251012	6.485127797	6.541117177	6.574280599	6.595535265	6.405491861	6.547896754	6.501994777
ENSG00000274574	0.197215	0.314947514	-0.10019916	-1.073921428	**AKIRIN1**	protein_coding	akirin 1 [Source:HGNC Symbol;Acc:HGNC:25744]	chr1	38991223	39008059	1	ensembl_havana	8.078309315	8.129488895	8.028209735	8.385704039	8.114550519	7.884972128	8.232222005	7.947746104	7.904601095
					ralA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9841]														
ENSG00000177797	0.197276	0.315100118	0.08431482	1.060184308	**RALBP1**	protein_coding	poly(A) RNA polymerase D7, non-canonical [Source:HGNC	chr18	9475009	9518116	1	ensembl_havana	5.863430272	5.821272862	5.905587682	5.816018772	5.771496754	5.87630306	5.89149085	5.911358882	5.911931313
					Symbol;Acc:HGNC:16705]														
ENSG00000112941	0.197305	0.315021577	0.104226394	1.074917841	**PAPD7**	protein_coding	gap junction protein alpha 3 [Source:HGNC	chr5	6713007	6757048	1	ensembl_havana	5.671364998	5.619251801	5.723478195	5.693686049	5.734824818	5.495944535	5.840792412	5.703804692	5.625837481
					Symbol;Acc:HGNC:4277]														
ENSG00000121743	0.197352	0.315060703	0.09110091	1.065182175	**GJA3**	protein_coding	thiamine triphosphatase [Source:HGNC	chr13	20138255	20161049	-1	ensembl_havana	3.782840098	3.737290003	3.828390194	3.500443773	3.875530348	3.835895837	3.504971528	4.029288257	3.959010797
					Symbol;Acc:HGNC:16987]														
ENSG00000259431	0.197399	0.315068707	0.195268526	1.144937245	**THTPA**	protein_coding	exocyst complex component 1 [Source:HGNC	chr14	23559988	23560271	1	ensembl_havana	1.686559764	1.568925501	1.784194027	1.625778111	1.331578958	1.829419434	1.644455473	1.85152878	1.856597828
					Symbol;Acc:HGNC:30380]														
ENSG00000090989	0.19738	0.315068707	0.078470448	1.055897979	**EXOC1**	protein_coding	ADP ribosylation factor 3 [Source:HGNC	chr4	55853616	55905034	1	ensembl_havana	5.798111192	5.758875968	5.837346416	5.639893277	5.795182298	5.841552328	5.720492804	5.867132281	5.924414164
					Symbol;Acc:HGNC:7556]														
ENSG00000134287	0.197432	0.315082996	0.085728574	1.061223534	**ARF3**	protein_coding	contactin associated protein like 3B [Source:HGNC	chr12	48935723	48957551	-1	ensembl_havana	8.351551671	8.308687384	8.394415959	8.373965889	8.282730444	8.269365819	8.396544393	8.419226482	8.367477
					Symbol;Acc:HGNC:30355]														
ENSG00000154529	0.197455	0.315086108	0.2251727	1.168917167	**CNTNAP3B**	protein_coding	nuclear receptor corepressor 2 [Source:HGNC	chr9	41890314	42129510	-1	ensembl_havana	-0.163756462	-0.276342812	-0.051170112	-0.4596317	-0.383759306	0.014362573	0.106284156	-0.52165082	0.261892331
					Symbol;Acc:HGNC:7673]														
ENSG00000196498	0.197494	0.315112806	0.169853942	1.12494459	**NCOR2**	protein_coding	Coenzyme A synthase [Source:HGNC	chr12	124324415	124567589	-1	ensembl_havana	4.904302867	4.819375896	4.989229837	4.838322801	4.572233536	4.537175644	4.929139443	4.931373625	
ENSG00000279853	0.197552	0.315135719	0.312280232	1.241668852	**AC004453.2**	TEC	Symbol;Acc:HGNC:29932]	chr7	44367140	44369292	-1	havana	-0.14763866	-0.303778776	0.008501455	-0.61730533	-0.34076431	0.046733314	-0.30988669	0.478736765	-0.143345712
					beta-1,4-galactosyltransferase 6 [Source:HGNC														
ENSG00000118276	0.197695	0.315328012	0.089631073	1.064098036	**B4GALT6**	protein_coding	Symbol;Acc:HGNC:924]	chr18	31622247	31685836	-1	ensembl_havana	6.66735595	6.622540413	6.712171486	6.803115999	6.644167428	6.420337813	6.844213976	6.698633332	6.593667151
					prostate androgen-regulated mucin-like protein 1														
ENSG00000169116	0.197779	0.315426458	-0.080283196	-1.05722555	**PARM1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:24536]	chr4	74933905	75050115	1	ensembl_havana	7.180350328	7.220491926	7.14020873	7.064529726	7.225109911	7.371841142	7.010676331	7.112894046	7.297055832
					NADH:ubiquinone oxidoreductase subunit A9 [Source:HGNC														
ENSG00000139180	0.197822	0.315460675	0.129468158	-1.09389037	**NDUFA9**	protein_coding	Symbol;Acc:HGNC:7691]	chr12	4649095	4694317	1	ensembl_havana	3.825342049	3.76092797	3.890078128	3.528951643	3.831567555	3.921304712	3.820779437	3.780254478	3.060194668
ENSG00000073150	0.197913	0.315465143	0.316144632	1.244999042	**PANX2**	protein_coding	pannexin 2 [Source:HGNC Symbol;Acc:HGNC:8600]	chr22	50170731	50180294	1	ensembl_havana	0.10452593	-0.053546386	0.262598246	-0.031916641	0.030651399	-0.159374151	0.873137292	0.097529431	-0.182871985
					biorientation of chromosomes in cell division 1 like 1														
ENSG00000182319	0.197878	0.315465143	0.114475737	1.082581573	**BOD1L1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:31792]	chr4	13568738	13627723	-1	ensembl_havana	6.163299803	6.106061934	6.220537672	6.146535487	6.024180628	6.147469688	6.17557537	6.299752255	6.186285389
					eukaryotic translation initiation factor 4A3 [Source:HGNC														
ENSG00000141543	0.197905	0.315465143	0.091723341	1.065642363	**EIF4A3**	protein_coding	Symbol;Acc:HGNC:18683]	chr17	80135214	80147183	-1	ensembl_havana	6.790946407	6.745084736	6.836080078	6.580614261	6.866557106	6.788082842	6.731227768	6.886217776	6.931082688
					mediator complex subunit 24 [Source:HGNC														
ENSG00000088838	0.197909	0.315465143	0.086007738	1.061428902	**MED24**	protein_coding	Symbol;Acc:HGNC:22963]	chr17	40019097	40061215	-1	ensembl_havana	6.593771944	6.550768075	6.636775813	6.452535645	6.527186151	6.672582431	6.585231725	6.633575295	6.691520421
					trans-golgi network protein 2 [Source:HGNC														
ENSG00000152291	0.198207	0.315898864	0.081153557	1.057863554	**TGOLN2**	protein_coding	Symbol;Acc:HGNC:15450]	chr2	85318020	85328425	-1	ensembl_havana	8.41876429	8.378187512	8.459341069	8.450991778	8.311337383	8.372233375	8.493013657	8.399369154	8.485640395
					small muscle protein, X-linked [Source:HGNC														
ENSG00000091482	0.198261	0.315950458	-0.109452534	-1.078818775	**SMPX**	protein_coding	Symbol;Acc:HGNC:11122]	chrX	21705972	21758163	-1	ensembl_havana	2.159094759	2.213821026	2.104368492	1.716703112	2.263224966	2.661535001	1.75234034	2.106272137	2.454492999
					mitogen-activated protein kinase 8 interacting protein 3														
ENSG00000138834	0.198315	0.316001561	0.180942654	1.133624351	**MAPK8IP3**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:6886]	chr16	1706183	1770317	1	ensembl_havana	6.391242293	6.300770966	6.48171162	6.493946389	6.031792727	6.451273783	6.763422453	6.364378273	6.317340133
ENSG00000100299	0.19837	0.316015081	0.248328631	1.18783021	**ARSA**	protein_coding	arylsulfatase A [Source:HGNC Symbol;Acc:HGNC:713]	chr22	50622754	50628173	-1	ensembl_havana	3.537267569	3.413103254	3.661431884	3.547468667	3.316457861	3.575207333	3.97225676	3.640392813	3.37146608
					progesterone immunomodulatory binding factor 1														
ENSG00000083535	0.198368	0.316015081	-0.08032808	-1.057258442	**PIBF1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:23352]	chr13	72782059	73014661	1	ensembl_havana	3.241037423	3.281201462	3.200873183	3.355877225	3.220595563	3.2671311	3.283098272	3.106334847	3.213187029
					survival of motor neuron 2, centromeric [Source:HGNC														
ENSG00000200577	0.19839	0.316015081	-0.101859572	-1.073155823	**SMN2**	protein_coding	Symbol;Acc:HGNC:11118]	chr5	70049612	70078522	1	ensembl_havana	2.835357062	2.886286847	2.784427276	2.843289967	2.918320072	2.897251502	2.758627316	2.699592193	2.895062318
					erythrocyte membrane protein band 4.1 [Source:HGNC														
ENSG00000159023	0.198532	0.316260106	-0.080568886	-1.057434928	**EPB41**	protein_coding	Symbol;Acc:HGNC:3377]	chr1	28887091	29120046	1	ensembl_havana	3.241037423	3.281201462	3.200873183	3.355877225	3.220595563	3.2671311	3.283098272	3.106334847	3.213187029
					folliculin interacting protein 1 [Source:HGNC														
ENSG00000271728	0.198585	0.316255864	0.084524763	1.060338399	**FNIP1**	protein_coding	Symbol;Acc:HGNC:29418]	chr5	131641714	131797063	-1	ensembl_havana	5.892214693	5.846952311	5.934477074	5.904502774	5.776387131	5.868907029	5.958101148	5.923428837	5.922087238
					uridine-cytidine kinase 1 like 1 [Source:HGNC														
ENSG00000198276	0.198621	0.316277626	0.181553898	-1.13410475	**UCKL1**	protein_coding	Symbol;Acc:HGNC:19358]	chr20	63939829	63956415	-1	ensembl_havana	4.841876679	4.751099729	4.932656828	4.611277685	4.750561387	4.891460117	4.951942913	4.960618057	4.785399914
					hydroxyacetoacetate hydrolase [Source:HGNC														
ENSG00000103876	0.19871	0.316384229	0.088063777	1.057504481	**FAH**	protein_coding	Symbol;Acc:HGNC:3579]	chr15	80152490	80186946	1	ensembl_havana	5.582077187	5.541745298	5.622490975	5.202164347	5.572896033	5.850175536	5.320848202	5.641864401	5.904546622
					leucine rich repeat containing 37B pseudogene 1														
ENSG00000250462	0.198774	0.316450903	0.0901978	1.064516122	**LRRC37BP1**	transcribed_unprocessed_pseudogene	[Source:HGNC Symbol;Acc:HGNC:25390]	chr17	30629680	30637466	1	ensembl_havana	2.316892373	2.277193473	2.361991273	2.312722596	2.277093311	2.225566512	2.487415269	2.34408831	2.25447024
					melanotransferrin [Source:HGNC Symbol;Acc:HGNC:7037]														
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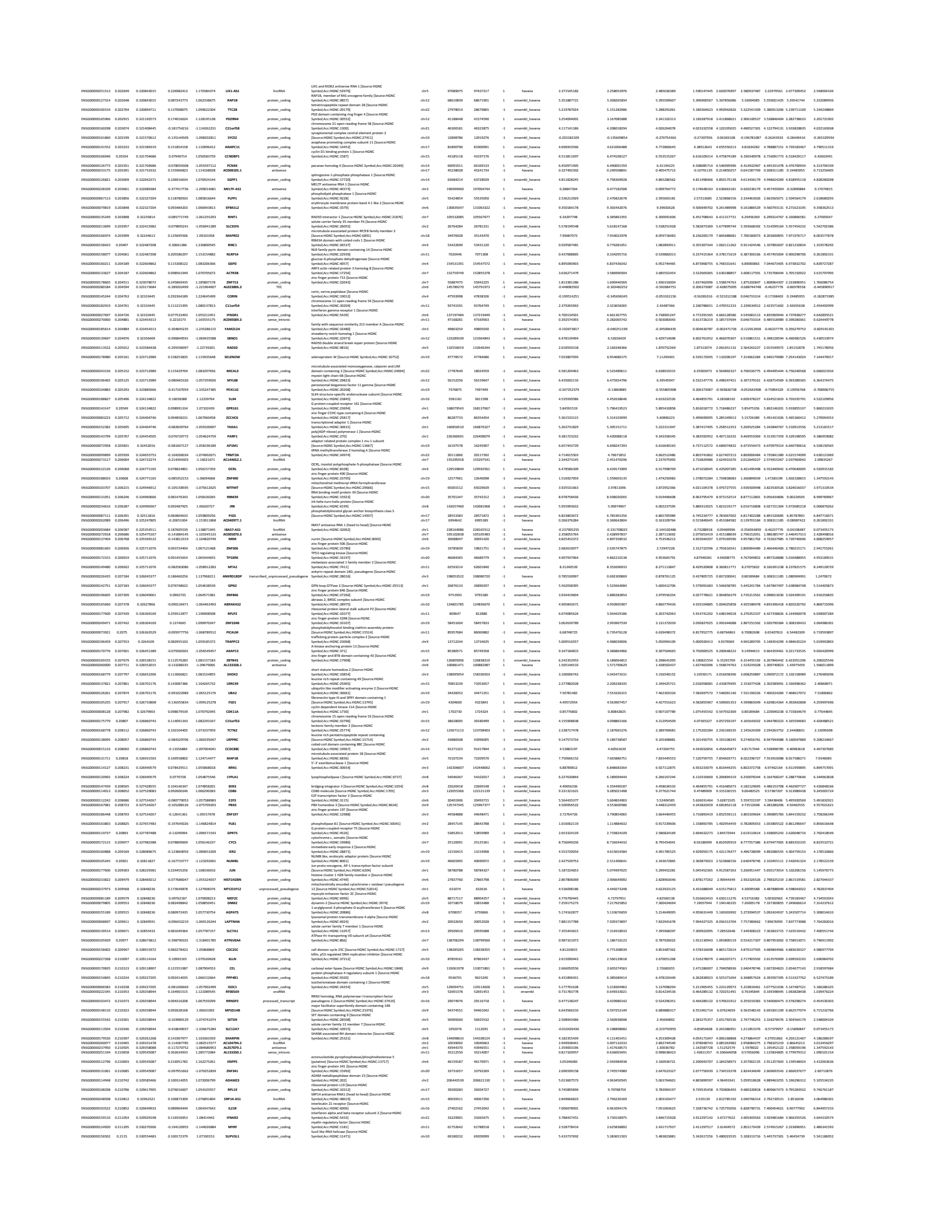
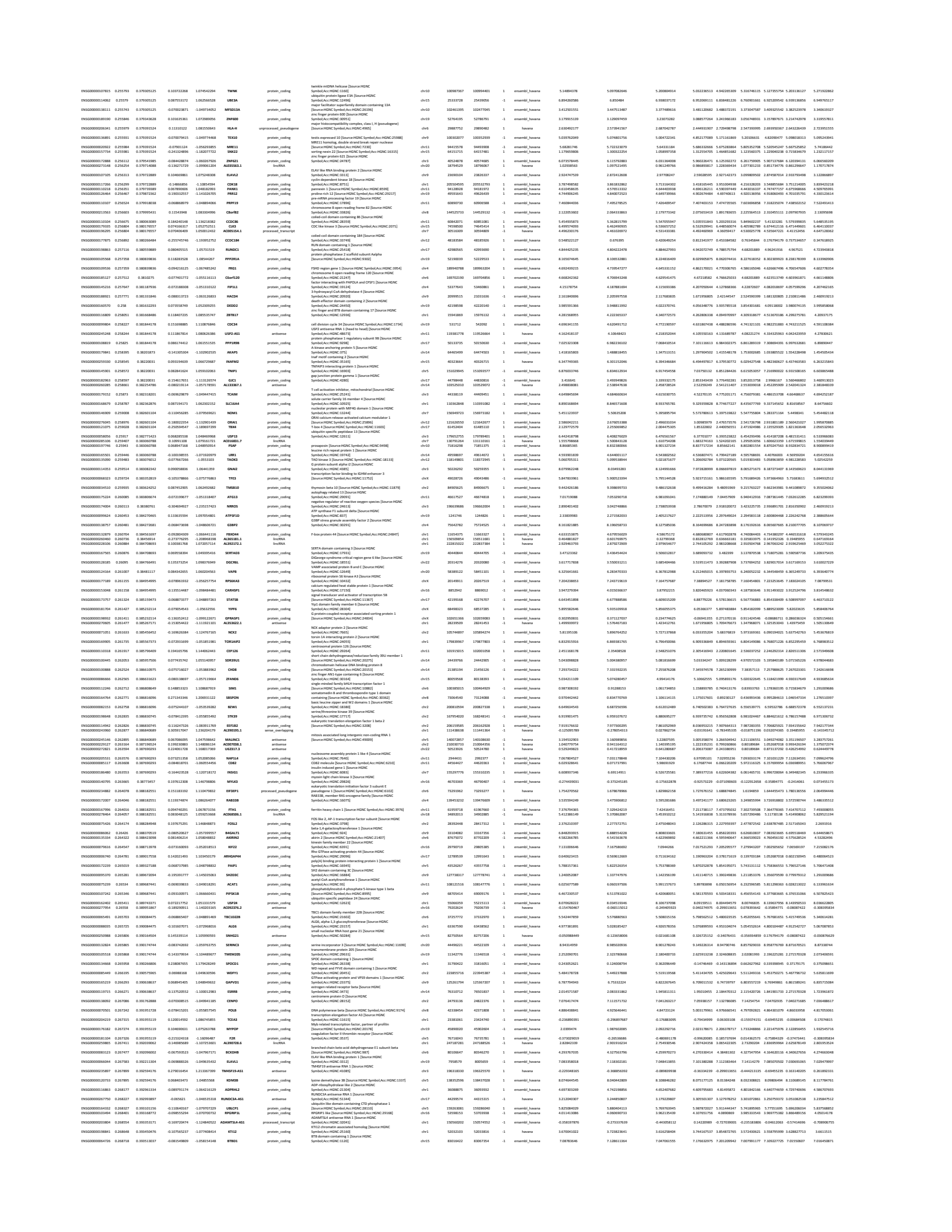
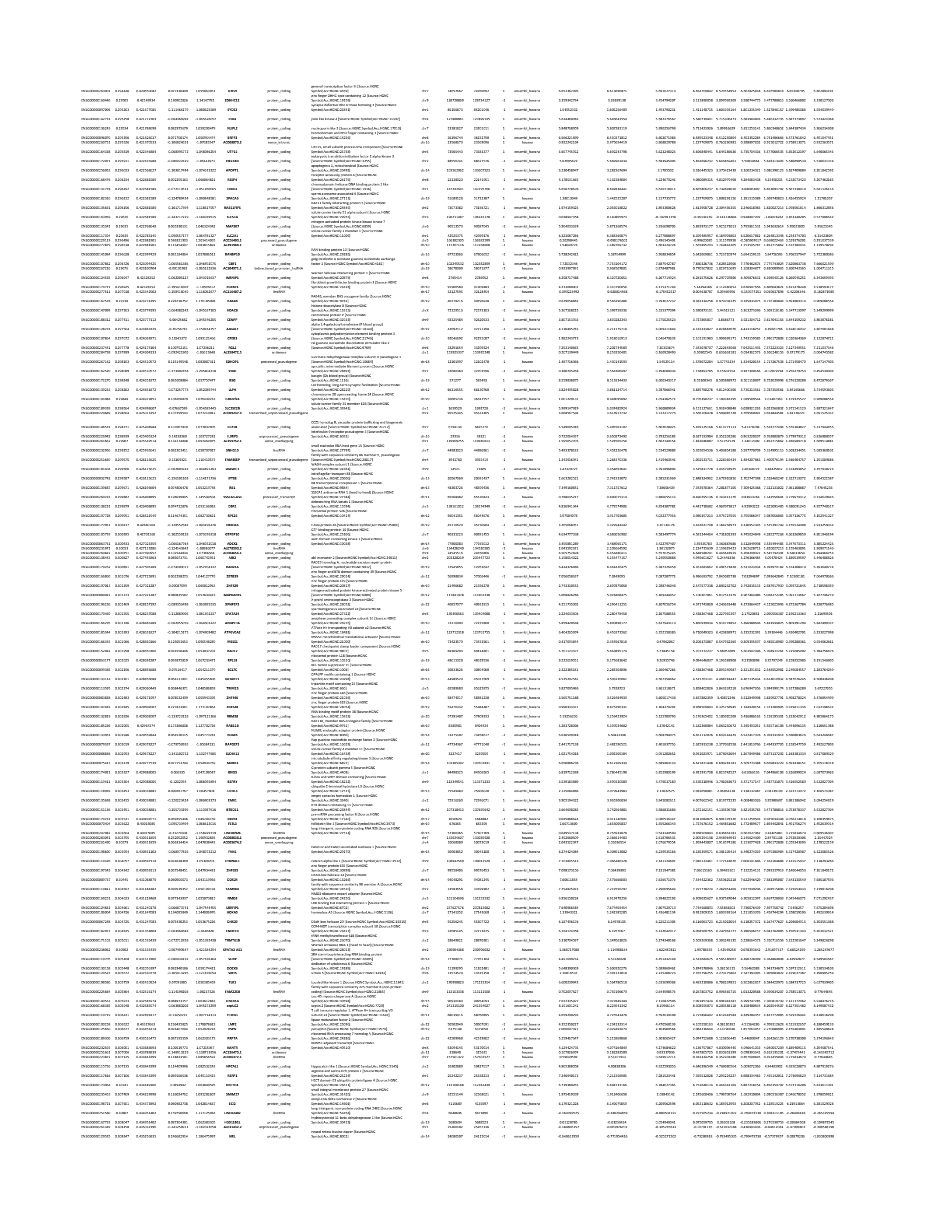
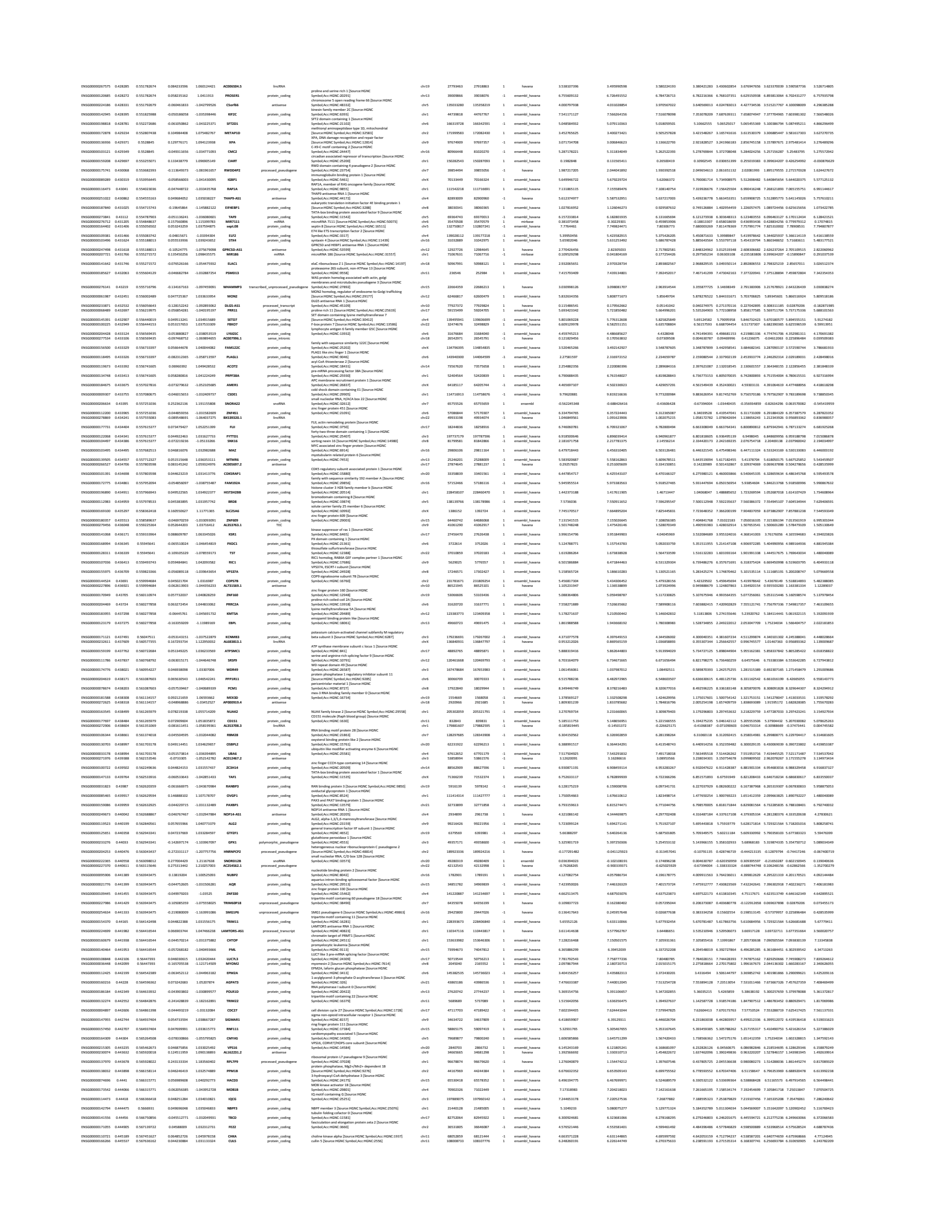


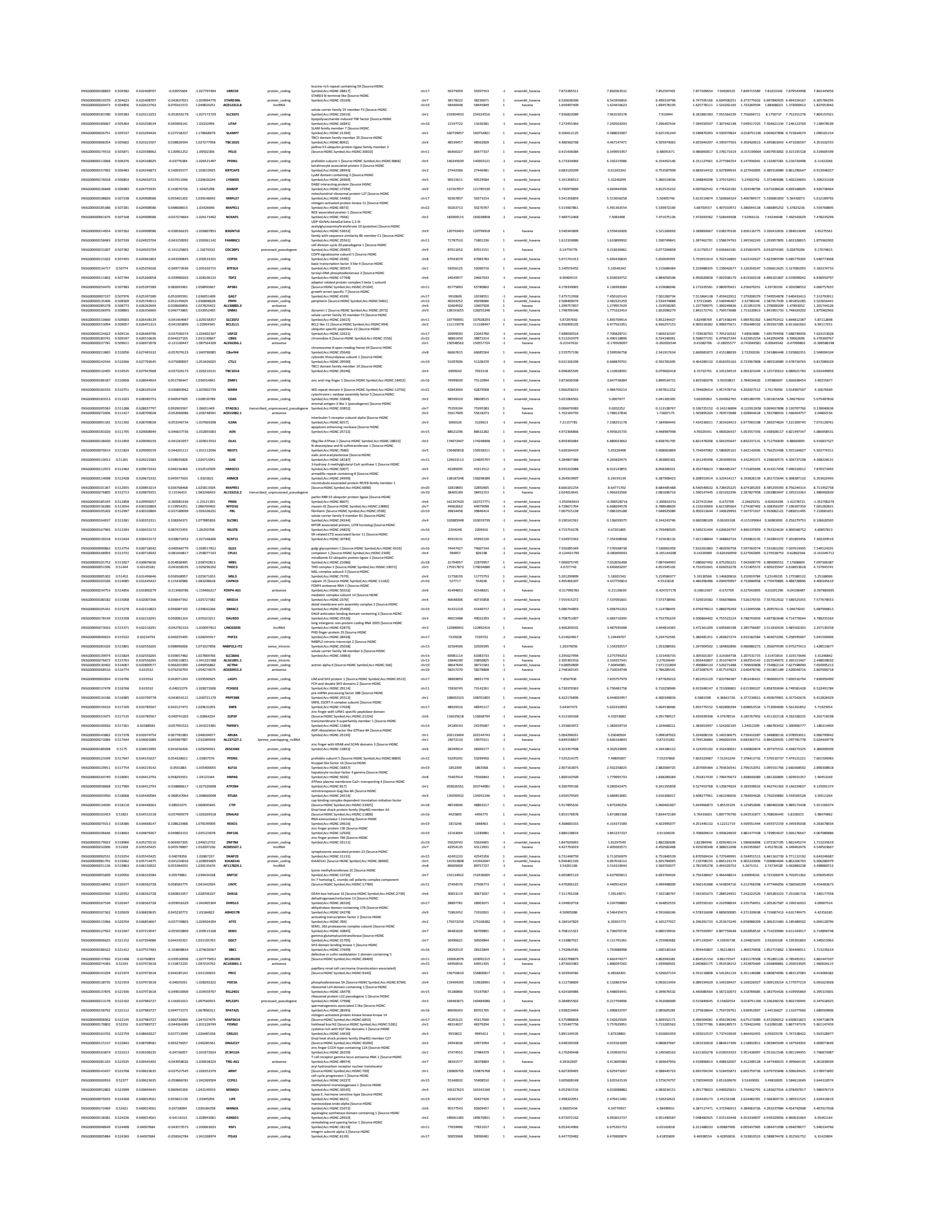


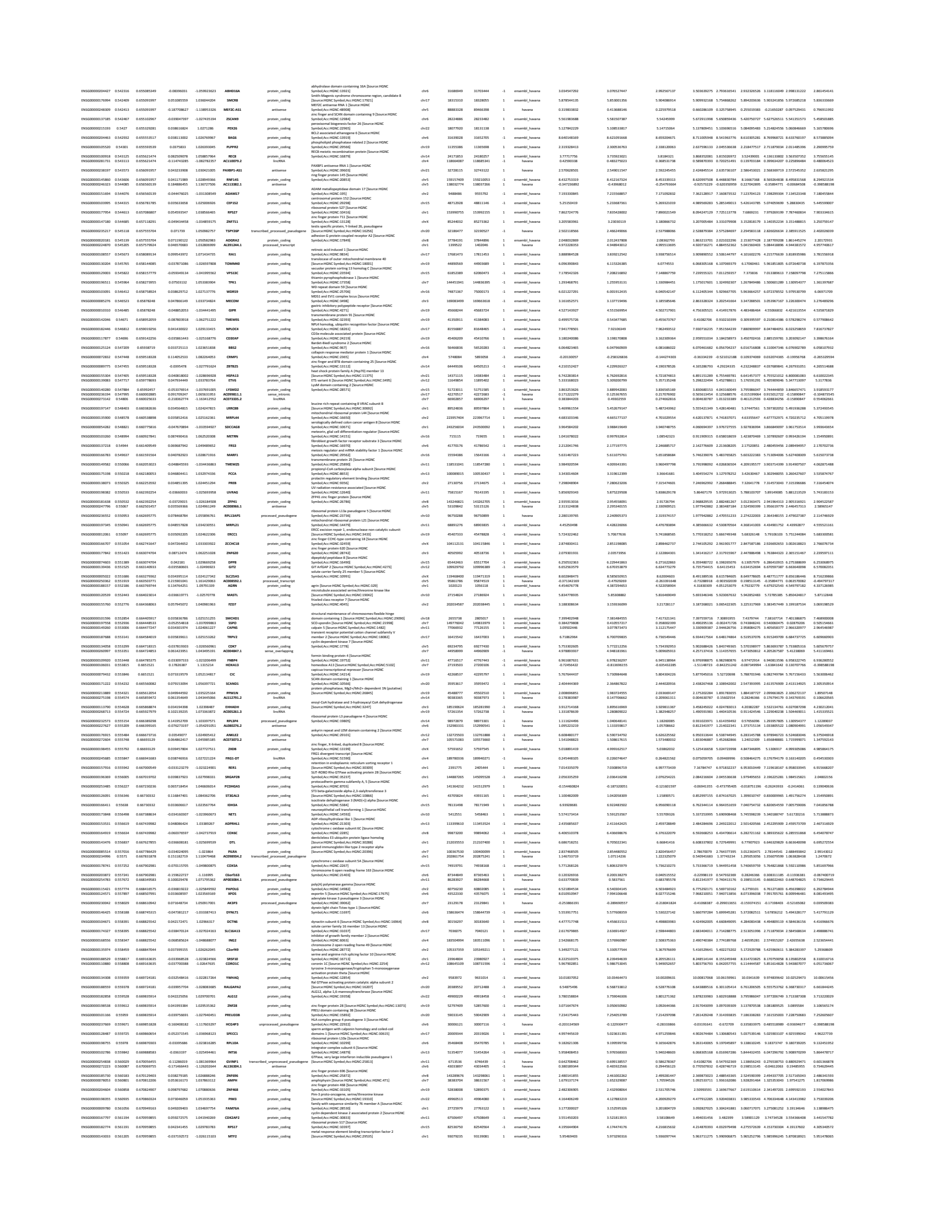


					RNA polymerase II associated protein 3 [Source:HGNC															
ENSG00000005175	0.308471	0.435388312	-0.068529406	-1.048647213	**RPAP3**	protein_coding	Symbol;Acc:HGNC:26151]	chr12	47661249	47702661	-1	ensembl_havana	7.081825625	7.116090328	7.047560922	7.10638099	7.242695521	6.999230474	7.022097923	7.107956407	7.012628438
ENSG00000130477	0.308587	0.435492299	0.260209059	1.197652242	**UNC13A**	protein_coding	unc-13 homolog A [Source:HGNC Symbol;Acc:HGNC:23150]	chr19	17601328	17688365	-1	havana	0.238608767	0.108504238	0.368713297	-0.10701135	-0.143136894	0.57656096	-0.00649342	0.737534657	0.375098651
ENSG00000198492	0.308605	0.435492299	-0.060758784	-1.043014189	**YTHDF2**	protein_coding	YTH N6-methyladenosine RNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:31675]	chr1	28736621	28769775	1	ensembl_havana	6.86694318	6.897322572	6.839563788	6.902695397	6.918911323	6.870380995	6.866061142	6.865290054	6.778340168
ENSG00000135940	0.308702	0.435542918	0.139381602	1.09914491	**COX5B**	protein_coding	cytochrome c oxidase subunit 5B [Source:HGNC Symbol;Acc:HGNC:2265]	chr2	97646040	97648383	1	ensembl_havana	4.550734084	4.522543283	4.658924885	4.445046788	4.437625425	4.685878846	4.872294542	4.526614279	4.577885833
ENSG00000150433	0.308679	0.435542918	0.071009254	1.050651282	**TMEM218**	protein_coding	transmembrane protein 218 [Source:HGNC Symbol;Acc:HGNC:27344]	chr11	125096545	125111763	-1	ensembl_havana	4.559403497	4.563898869	4.634908124	4.646396549	4.430513763	4.614786297	4.618770165	4.542110866	4.74384334
ENSG00000184056	0.308895	0.435773496	-0.164169654	-1.120520974	**VPS33B**	protein_coding	VPS33B, late endosome and lysosome associated [Source:HGNC Symbol;Acc:HGNC:12712]	chr15	90998416	91022603	-1	ensembl_havana	2.981810547	3.036895374	2.89972572	2.230339436	2.238426324	2.72920036	2.764305763	3.011552364	2.929259032
ENSG00000154930	0.308947	0.435802739	-0.090758822	-1.0649309	**ACSS1**	protein_coding	acyl-CoA synthetase short chain family member 1 [Source:HGNC Symbol;Acc:HGNC:16691]	chr20	25006230	25058980	-1	ensembl_havana	6.080763465	6.126143376	6.035383554	5.957808582	6.151036153	6.269495393	6.041991479	5.97668242	6.087476763
ENSG00000190023	0.308989	0.435820159	-0.076917566	-1.054762047	**ERMARD**	protein_coding	ER membrane associated RNA degradation [Source:HGNC Symbol;Acc:HGNC:23056]	chr6	169751622	169781584	1	ensembl_havana	4.620446473	4.658905256	4.581987691	4.727896492	4.619266479	4.629554793	4.535667221	4.558967031	4.65134882
ENSG00000279069	0.309032	0.435837808	0.154561159	1.113082987	**ACIS1813.5**	TEC	golgin A8 family member A [Source:HGNC Symbol;Acc:HGNC:15372]	chr17	58006674	58008187	1	havana	1.254166151	1.176885571	1.31144673	1.283104003	0.979703225	1.267849486	1.089724456	1.398492086	1.505130649
ENSG00000175265	0.309106	0.435898599	-0.074724238	-1.053159712	**GOLGA8A**	protein_coding	zinc finger protein 75a [Source:HGNC Symbol;Acc:HGNC:31146]	chr15	34379068	34437466	-1	ensembl_havana	7.673638631	7.711000751	7.633676512	7.96808547	7.600876566	7.564060216	7.78794324	7.53730639	7.585579907
ENSG00000162086	0.309231	0.435989582	0.066779401	1.047375963	**ZNF75A**	protein_coding	KTN1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:19842]	chr16	3305406	3318852	1	ensembl_havana	4.011491103	3.978101403	4.044880804	3.888048657	3.993624659	4.052630893	3.882763999	4.122949443	4.128928969
ENSG00000186615	0.309226	0.435989582	-0.081025389	-1.057769578	**KTN1-AS1**	antisense	BRCA1/BRCA2-containing complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:28485]	chr14	55499278	55580110	-1	havana	2.356002079	2.396514773	2.315489384	2.26823323	2.270175802	2.651045288	2.117780814	2.329873398	2.498886741
ENSG00000185515	0.309423	0.436217811	-0.062916158	-1.044575056	**BRCC3**	protein_coding	mitochondrial fission factor [Source:HGNC Symbol;Acc:HGNC:24785]	chrX	155071420	155123074	1	ensembl_havana	6.755651012	6.787100091	6.724192933	6.776943806	6.811338015	6.773045453	6.662937534	6.759227182	6.750414083
ENSG00000168958	0.309479	0.436253411	-0.064102242	-1.045434187	**MFF**	protein_coding	pentatricopeptide repeat domain 1 [Source:HGNC Symbol;Acc:HGNC:22198]	chr2	227325151	227357836	1	ensembl_havana	5.180514276	5.212565397	5.148461155	5.221700428	5.268960039	5.147035724	5.13180197	5.168608089	5.144979405
ENSG00000106246	0.309527	0.436278974	0.136652094	1.099351009	**PTCD1**	protein_coding	BCAS3, NSP family adaptor protein [Source:HGNC Symbol;Acc:HGNC:29435]	chr7	99416739	99466163	-1	ensembl_havana	3.063948451	2.995622404	3.132274498	3.082744268	3.053384979	3.178609585	3.188097919	3.131139307	3.077586267
ENSG00000137936	0.309732	0.436524222	-0.072950889	-1.051865972	**BCAR3**	protein_coding	farnesyl-diphosphate farnesyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:3629]	chr1	93561786	93847150	-1	ensembl_havana	6.156037559	6.192513004	6.119562115	6.292701946	6.086050989	6.198786075	6.278412333	6.083004838	6.017269174
ENSG00000108423	0.309885	0.436697582	0.073389916	1.052186114	**TUBD1**	protein_coding	thiosredoxin domain containing 16 [Source:HGNC Symbol;Acc:HGNC:30975]	chr17	59859482	59892945	-1	ensembl_havana	3.512513782	3.475818824	3.54920874	3.4316494	3.635581537	3.360225534	3.431134914	3.674542048	3.541949257
ENSG00000197958	0.30996	0.436717201	-0.064696815	-1.045865141	**RPL12**	protein_coding	ribosomal protein L12 [Source:HGNC Symbol;Acc:HGNC:10302]	chr9	127447674	127451405	-1	ensembl_havana	9.508826562	9.54117498	9.476478145	9.5197323	9.507449725	9.524302914	9.461187196	9.483444297	9.484802942
ENSG00000082258	0.309935	0.436717201	-0.065282845	-1.044290048	**CCNT2**	protein_coding	cyclin T2 [Source:HGNC Symbol;Acc:HGNC:1600]	chr2	134918235	134959342	1	ensembl_havana	6.139912309	6.232553732	6.167270887	6.219284031	6.206174867	6.274202299	6.091335887	6.197772076	6.212706698
ENSG00000005339	0.310123	0.436896589	0.0857836	1.06126401	**CREBBP**	protein_coding	CREB binding protein [Source:HGNC Symbol;Acc:HGNC:2348]	chr16	3725054	3880726	-1	ensembl_havana	6.473592857	6.430701057	6.516484657	6.483615514	6.204728489	6.513759166	6.542456591	6.529355765	6.477416514
ENSG00000166508	0.310148	0.436896589	0.06271775	1.04443141	**MCM7**	protein_coding	mitochondrial ribosome maintenance complex component 7 [Source:HGNC Symbol;Acc:HGNC:6950]	chr7	100092728	100101940	-1	ensembl_havana	8.971623345	8.94026447	9.00298222	8.77215457	8.962597982	9.086004857	8.872324889	9.039251307	9.099370664
ENSG00000133401	0.310197	0.436923424	0.280631979	1.214726884	**PDZD2**	protein_coding	PDZ domain containing 2 [Source:HGNC Symbol;Acc:HGNC:18486]	chr5	31639410	32110931	1	ensembl_havana	1.257998304	1.117682315	1.398314293	0.637193984	1.140065346	1.575787614	1.430149367	1.578479109	1.186314404
ENSG00000079459	0.310363	0.437113434	-0.070392121	-1.050002033	**FDFT1**	protein_coding	farnesyl-diphosphate farnesyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:3629]	chr8	11795573	11839309	1	ensembl_havana	7.717582123	7.753778183	7.683386063	7.942390888	7.713208397	7.605735266	7.816760624	7.760883998	7.632621184
ENSG00000087301	0.310395	0.437116418	0.069075549	1.049044261	**TXNDC16**	protein_coding	thioredoxin domain containing 16 [Source:HGNC Symbol;Acc:HGNC:30955]	chr14	52430590	52552522	-1	ensembl_havana	5.468916093	5.434378318	5.503453867	5.469784655	5.431246625	5.402105675	5.573802349	5.408948883	5.52670337
ENSG00000186300	0.310505	0.43720B2	0.099419225	1.071342093	**ZNF555**	protein_coding	zinc finger protein 555 [Source:HGNC Symbol;Acc:HGNC:28382]	chr19	2841435	2860484	1	ensembl_havana	3.611085522	3.56137591	3.660795135	3.689093732	3.535287761	3.359437623	3.588212495	3.769761817	3.624411092
ENSG00000187164	0.31058	0.4372082	-0.061341523	-1.043435572	**SHTN1**	protein_coding	shootin 1 [Source:HGNC Symbol;Acc:HGNC:29319]	chr10	116881482	117126586	-1	ensembl_havana	4.349248612	4.379919374	4.318574804	4.503131139	4.518530937	4.053836127	4.408145822	4.495751603	
ENSG00000137842	0.310582	0.437208Z	-0.071609377	-1.050888333	**TMEM62**	protein_coding	transmembrane protein 62 [Source:HGNC Symbol;Acc:HGNC:26269]	chr15	43123279	43185146	1	ensembl_havana	4.945581897	4.981386585	4.90977209	4.885629456	5.002983155	5.055547185	4.852227225	4.829097263	5.048007138
ENSG00000074842	0.310545	0.4372082	-0.092578651	-1.066274323	**MYDGF**	protein_coding	myeloid derived growth factor [Source:HGNC Symbol;Acc:HGNC:16948]	chr19	4641374	4670370	-1	ensembl_havana	5.411234311	5.457523636	5.364944985	5.608329254	5.471756166	5.292485488	5.37904432	5.34329709	5.372493545
ENSG00000138850	0.311014	0.437773033	0.311373919	1.242442701	**PCDH10**	protein_coding	protocadherin 10 [Source:HGNC Symbol;Acc:HGNC:13404]	chr4	133149315	133208606	-1	ensembl_havana	0.094893337	-0.061696322	0.251482907	0.075059705	0.325758945	-0.585907617	0.210814386	0.063570082	0.480066523
ENSG00000167377	0.311106	0.43778357	0.129977283	1.09427647	**ZNF23**	protein_coding	zinc finger protein 23 [Source:HGNC Symbol;Acc:HGNC:13023]	chr16	71447597	71463095	-1	ensembl_havana	1.050628224	0.985639583	1.115616866	1.058172782	0.837200541	1.061545926	0.894226935	1.14725896	1.305364703
ENSG00000164331	0.311113	0.43778357	0.059068246	1.04179271	**ANKRA2**	protein_coding	ankyrin repeat family A member 2 [Source:HGNC Symbol;Acc:HGNC:13208]	chr5	73552335	73565686	-1	ensembl_havana	4.059319931	4.004385808	4.123454054	4.19918828	4.079226426	3.914742718	4.259097319	4.133217998	3.978048645
ENSG00000171604	0.311103	0.43778357	-0.173235103	-1.127584149	**CXXC5**	protein_coding	CXXC finger protein 5 [Source:HGNC Symbol;Acc:HGNC:26943]	chr5	139647299	139683882	1	ensembl_havana	0.414176906	0.500794457	0.327559354	0.267803752	0.658018659	0.57656096	0.399634207	0.578298274	0.004745582
ENSG00000104774	0.311159	0.437805333	0.075045616	1.053394343	**MAN2B1**	protein_coding	mannosidase alpha class 2B member 1 [Source:HGNC Symbol;Acc:HGNC:6826]	chr19	12646511	12666742	-1	ensembl_havana	5.752358877	5.714836069	5.789881686	5.721751178	5.729857707	5.692881322	5.913607444	5.764516533	5.69152108
ENSG00000147100	0.311377	0.438025951	0.270989198	1.206634885	**SLC16A2**	protein_coding	solute carrier family 16 member 2 [Source:HGNC Symbol;Acc:HGNC:10923]	chrX	74421461	74533917	1	ensembl_havana	0.381049443	0.245554844	0.516546043	-0.31750517	0.477608744	0.576560096	0.618191201	0.529376201	0.402064725
ENSG00000137076	0.311356	0.438025951	-0.065555906	-1.0464881	**TLN1**	protein_coding	talin 1 [Source:HGNC Symbol;Acc:HGNC:11845]	chr9	35699848	35732395	-1	ensembl_havana	9.328648264	9.361426217	9.295870312	9.516224971	9.252554864	9.315498817	9.450826549	9.250318036	9.18646635
ENSG00000088888	0.31146	0.438099574	0.070118309	1.049817324	**MAVS**	protein_coding	mitochondrial antiviral signaling protein [Source:HGNC Symbol;Acc:HGNC:29233]	chr20	3846799	3876123	1	ensembl_havana	7.541714774	7.506645619	7.576783928	7.615559752	7.584119975	7.520245129	7.59058891	7.51901952	7.620823354
ENSG00000213079	0.311547	0.438136659	0.065047714	1.046119537	**SCAF8**	protein_coding	SR-related CTD associated factor 8 [Source:HGNC Symbol;Acc:HGNC:20959]	chr6	154733325	154834244	1	ensembl_havana	6.255078636	6.222554779	6.287602493	6.192802613	6.270235806	6.204625917	6.3247813	6.320569519	6.217456659
ENSG00000106803	0.311547	0.438136659	-0.078976253	-1.056268239	**SEC61B**	protein_coding	Sec61 translocon beta subunit [Source:HGNC Symbol;Acc:HGNC:16993]	chr9	96222064	99230615	1	ensembl_havana	6.602486229	6.641974356	6.562988103	6.759395526	6.619205852	6.54773769	6.546208824	6.616841819	6.525943666
ENSG00000277791	0.311856	0.438528746	0.070042139	1.049747345	**PSMB3**	protein_coding	proteasome subunit beta 3 [Source:HGNC Symbol;Acc:HGNC:9546]	chr17	38752736	38764231	1	ensembl_havana	7.103164217	7.068143147	7.138185286	6.999808862	7.181297938	7.023322643	7.137139613	7.157091731	7.120324515
ENSG00000149532	0.311072	0.438648903	0.061033522	1.043212833	**CPSF7**	protein_coding	cleavage and polyadenylation specific factor 7 [Source:HGNC Symbol;Acc:HGNC:30098]	chr11	61402641	61430031	-1	ensembl_havana	6.954391709	6.923874948	6.954829637	7.002401939	6.994193834				
ENSG00000168300	0.312074	0.438662667	0.079277679	1.056488951	**PCMTD1**	protein_coding	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30483]	chr8	51817575	51899186	-1	ensembl_havana	4.448844848	4.409206008	4.488483687	4.693330227	4.392796457	4.141409134	4.677732971	4.434956726	4.352761365
ENSG00000086200	0.312058	0.438662667	-0.064225009	-1.045523152	**IPO11**	protein_coding	importin 11 [Source:HGNC Symbol;Acc:HGNC:20628]	chr5	62403972	62628582	1	ensembl_havana	6.268305951	6.300418455	6.236193446	6.421616377	6.240641895	6.239177094	6.292872768	6.197772076	6.217930995
ENSG00000128272	0.312051	0.438662667	-0.069703723	-1.049501132	**ATF4**	protein_coding	activating transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:786]	chr22	39519695	39522685	1	ensembl_havana	8.244816065	8.279667926	8.209964203	8.302604852	8.301299223	8.235097703	8.318360879	8.225996615	8.085527916
ENSG00000170638	0.312197	0.438793756	0.094620187	1.06778426	**TRABD**	protein_coding	TraB domain containing [Source:HGNC Symbol;Acc:HGNC:28805]	chr22	50185915	50199598	1	ensembl_havana	4.271720671	4.224410577	4.319030765	4.362973414	4.032979498	4.27727882	4.465166367	4.288290531	4.203635396
ENSG00000106819	0.312277	0.438862923	-1.385841487	-1.306621684	**ASPN**	protein_coding	aspartin [Source:HGNC Symbol;Acc:HGNC:14872]	chr9	92456205	92482506	-1	ensembl_havana	0.969284102	1.162204846	0.776363359	2.222519956	1.351456756	-0.087349994	1.371200905	0.45273451	0.585154661
ENSG00000142686	0.312463	0.439084156	0.065232871	1.046253806	**C1orf216**	protein_coding	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Acc:HGNC:26800]	chr1	35713875	35719472	-1	ensembl_havana	5.913445354	5.880828919	5.94606179	5.935594263	5.946579441	5.760313052	6.054925742	5.943223577	5.840306051
ENSG00000196357	0.312664	0.439304927	0.158324304	1.115590158	**ZNF565**	protein_coding	zinc finger protein 565 [Source:HGNC Symbol;Acc:HGNC:26726]	chr19	36182060	36246257	-1	ensembl_havana	2.229746682	2.15058453	2.368908834	2.26823323	2.220801645	1.962628713	2.099661825	2.379026445	2.248038032
ENSG00000178764	0.312684	0.439304927	0.082055425	1.05852506	**ZNX2**	protein_coding	zinc fingers and homeoboxes 2 [Source:HGNC Symbol;Acc:HGNC:18513]	chr8	122781394	122974512	1	ensembl_havana	6.349251236	6.308223523	6.390278948	6.414843103	6.314195741	6.195631726	6.632069353	6.279555016	6.258612475
ENSG00000279267	0.313104	0.439852785	-0.077140302	-1.059424904	**AL078621.3**	TEC	DSN1 homolog, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]	chr2	113605867	113607908	-1	havana	1.929393246	1.967969397	1.890829095	2.067039104	1.970707426	1.866161661	2.117708014	1.841543652	1.713235619
ENSG00000149636	0.313142	0.439862943	0.063486677	1.044988218	**DSN1**	protein_coding	ribosomal protein S28 pseudogene 7 [Source:HGNC Symbol;Acc:HGNC:35787]	chr20	36751791	36773818	-1	ensembl_havana	6.059221805	6.027478467	6.090965144	5.810223456	6.189125553	6.083086392	6.344860338	6.219620585	6.208414509
ENSG00000227097	0.313213	0.439919714	0.410690722	1.329222104	**RPS28P7**	processed_pseudogene	insulin like growth factor 2 receptor [Source:HGNC Symbol;Acc:HGNC:5467]	chr11	82689559	82689768	1	ensembl_havana	0.491558762	0.286213402	0.696904123	-0.51029874	1.199531136	0.16904781	0.851734776	0.758913071	0.480064523
ENSG00000197081	0.313266	0.43995043	0.077085887	1.05488453	**IGF2R**	protein_coding	zinc finger protein 165 [Source:HGNC Symbol;Acc:HGNC:12592]	chr6	159960099	160113507	1	ensembl_havana	9.180177743	9.141635199	9.218720286	9.219597494	9.983828604	9.2214795	9.330939843	9.151169731	9.174297285
ENSG00000120158	0.3133	0.439955749	0.060394288	1.042750705	**RCL1**	protein_coding	RNA terminal phosphate cyclase like 1 [Source:HGNC Symbol;Acc:HGNC:17687]	chr9	4792869	4885917	1	ensembl_havana	5.861080566	5.830883422	5.89127771	5.819869423	5.764745303	5.908035539	5.872355011	5.859730618	5.9417475
ENSG00000215271	0.3135	0.44019328	0.069551455	1.049390369	**HOMEZ**	protein_coding	homeobox and leucine zipper encoding [Source:HGNC Symbol;Acc:HGNC:20164]	chr14	23272422	23299447	1	ensembl_havana	4.528845324	4.494069596	4.563621051	4.474059222	4.612443584	4.395105983	4.552327717	4.595074467	4.544060969
ENSG00000117174	0.313754	0.440482903	0.06140988	1.043485013	**ZNHIT6**	protein_coding	zinc finger HIT-type containing 6 [Source:HGNC Symbol;Acc:HGNC:26089]	chr1	85649423	85708433	-1	ensembl_havana	5.378756886	5.348053746	5.409466326	5.21489285	5.405433444	5.423834943	5.314995116	5.470228945	5.443166817
ENSG00000173744	0.313798	0.440482903	-0.074322265	-1.052866335	**AGFG1**	protein_coding	ArfGAP with FG repeats 1 [Source:HGNC Symbol;Acc:HGNC:5175]	chr2	227472152	227561214	1	ensembl_havana	5.820827036	5.857988168	5.783665903	5.775615037	5.948767231	5.751882225	5.757231801	5.841883685	
ENSG00000166710	0.313773	0.440482903	-0.077180294	-1.054954146	**B2M**	protein_coding	beta-2-microglobulin [Source:HGNC Symbol;Acc:HGNC:914]	chr15	44711477	44718877	1	ensembl_havana	11.14855792	11.18714807	11.10996777	11.33297216	11.2055935	11.02287704	11.2285883	11.01905044	11.06866458
ENSG00000089053	0.313868	0.440537918	-0.059560201	-1.042148018	**ANAPC5**	protein_coding	anaphase promoting complex subunit 5 [Source:HGNC Symbol;Acc:HGNC:25763]	chr12	121308245	121399896	-1	ensembl_havana	7.221811287	7.251591387	7.192031186	7.203901326	7.263925797	7.286947039	7.120177686	7.206554881	7.249360991
ENSG00000189080	0.314067	0.44073573	-0.072866663	-1.051804419	**UBQS**	protein_coding	ubiquitinyltransferase III synthase [Source:HGNC Symbol;Acc:HGNC:12592]	chr10	12578498O	125823248	-1	ensembl_havana	4.710272085	4.746705316	4.627383853	4.700310053	4.772756043	4.767049852	4.586741306	4.630302236	4.804475016
ENSG00000120158	0.3133	0.439955749	0.060394288	1.042750705	**RCL1**	protein_coding	high mobility group nucleosomal binding domain 3 [Source:HGNC Symbol;Acc:HGNC:17687]	chr9	4792869	4885917	1	ensembl_havana	5.861080566	5.830883422	5.89127771	5.819869423	5.764745303	5.908035539	5.872355011	5.859730618	5.9417475
ENSG00000215271	0.3135	0.44019328	0.069551455	1.049390369	**HOMEZ**	protein_coding	homeobox and leucine zipper encoding [Source:HGNC Symbol;Acc:HGNC:20164]	chr14	23272422	23299447	1	ensembl_havana	4.528845324	4.494069596	4.563621051	4.474059222	4.612443584	4.395105983	4.552327717	4.595074467	4.544060969
ENSG00000117174	0.313754	0.440482903	0.06140988	1.043485013	**ZNHIT6**	protein_coding	zinc finger HIT-type containing 6 [Source:HGNC Symbol;Acc:HGNC:26089]	chr1	85649423	85708433	-1	ensembl_havana	5.378756886	5.348053746	5.409466326	5.21489285	5.405433444	5.423834943	5.314995116	5.470228945	5.443166817
ENSG00000173744	0.313798	0.440482903	-0.074322265	-1.052866335	**AGFG1**	protein_coding	ArfGAP with FG repeats 1 [Source:HGNC Symbol;Acc:HGNC:5175]	chr2	227472152	227561214	1	ensembl_havana	5.820827036	5.857988168	5.783665903	5.775615037	5.948767231	5.751882225	5.757231801	5.841883685	
ENSG00000166710	0.313773	0.440482903	-0.077180294	-1.054954146	**B2M**	protein_coding	beta-2-microglobulin [Source:HGNC Symbol;Acc:HGNC:914]	chr15	44711477	44718877	1	ensembl_havana	11.14855792	11.18714807	11.10996777	11.33297216	11.2055935	11.02287704	11.2285883	11.01905044	11.06866458
ENSG00000089053	0.313868	0.440537918	-0.059560201	-1.042148018	**ANAPC5**	protein_coding	anaphase promoting complex subunit 5 [Source:HGNC Symbol;Acc:HGNC:25763]	chr12	121308245	121399896	-1	ensembl_havana	7.221811287	7.251591387	7.192031186	7.203901326	7.263925797	7.286947039	7.120177686	7.206554881	7.249360991
ENSG00000188690	0.314067	0.44073573	-0.072866663	-1.051804419	**UBQS**	protein_coding	ubiquitinyltransferase III synthase [Source:HGNC Symbol;Acc:HGNC:12592]	chr10	12578498O	125823248	-1	ensembl_havana	4.710272085	4.746705316	4.627383853	4.700310053	4.772756043	4.767049852	4.586741306	4.630302236	4.804475016
ENSG00000118418	0.31428	0.441030548	0.063127328	1.044727964	**HMGN3**	protein_coding	high mobility group nucleosomal binding domain 3 [Source:HGNC Symbol;Acc:HGNC:12312]	chr6	79201245	79234738	-1	ensembl_havana	4.894222995	4.862659331	4.925786659	4.693330227	4.911476265	4.908195936	4.894222995	4.862659331	4.925786659
ENSG00000162813	0.314447	0.441221243	-0.076381932	-1.054371436	**BPNT1**	protein_coding	3'(2'), 5'-bisphosphate nucleotidase 1 [Source:HGNC Symbol;Acc:HGNC:20964]	chr1	220057482	220090462	-1	ensembl_havana	5.870980349	5.909171945	5.832788753	5.865604985	5.854195071	5.807715778	5.866364322	5.885285422	5.766710514
ENSG00000008710	0.314511	0.441268155	0.229359547	1.17231441	**PKD1**	protein_coding	polycystin 1, transient receptor potential channel interacting [Source:HGNC Symbol;Acc:HGNC:9008]	chr16	2088710	2135898	-1	ensembl_havana	4.637151426	4.522471653	4.751831199	4.524275525	4.067304202	4.975835231	4.929597792	4.680176884	4.645718794
ENSG00000256092	0.314687	0.4414717	-0.13512785	-1.098190136	**AC137767.1**	lincRNA	FGF13 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44264]	chr12	123616868	123666113	1	havana	0.411971358	0.479535288	0.344407429	0.727424294	0.298820819	0.41236075	0.692307165	0.37179175	-0.030876629
ENSG00000226031	0.314837	0.441638866	0.16245407	1.119189296	**FGF13-AS1**	antisense	transmembrane protein 248 [Source:HGNC Symbol;Acc:HGNC:25476]	chrX	138711452	138716617	1	havana	-0.056499861	-0.137726896	0.024727174	0.004630787	-0.258437325	-0.159374151	-0.21650287	0.02879206	0.261892331
ENSG00000106609	0.314932	0.441686299	0.066307336	1.047033307	**TMEM248**	protein_coding	chromosome 3 open reading frame 52 [Source:HGNC Symbol;Acc:HGNC:25255]	chr7	66921225	66958551	1	ensembl_havana	7.315644732	7.282491064	7.348798401	7.300077399	7.323191265	7.224202529	7.315794753	7.360453463	7.370146986
ENSG00000114529	0.314922	0.441686299	-0.058009146	-1.041677827	**C3orf52**	protein_coding	solute carrier family 33 member 1 [Source:HGNC Symbol;Acc:HGNC:10935]	chr3	112086335	112111004	1	ensembl_havana	5.695392448	5.724847022	5.665597875	5.820510201	5.729875707	5.624155157	5.774806406	5.654039206	5.568968015
ENSG00000166181	0.314998	0.441735412	-0.059606959	-1.042181795	**AP1S**	protein_coding	apoptosis inhibitor 5 [Source:HGNC Symbol;Acc:HGNC:594]	chr11	43311963	43344529	1	ensembl_havana	7.965356273	7.995519752	7.935552794	7.933680786	8.05063991	8.00115856	7.892682236	7.961786007	7.952190138
ENSG00000111452	0.31511	0.441849749	-0.255070232	-1.193393837	**ADGRD1**	protein_coding	adhesion G protein-coupled receptor D1 [Source:HGNC Symbol;Acc:HGNC:19893]	chr12	13095397	131141469	1	ensembl_havana	2.115043364	2.24257848	1.987508248	1.541228291	2.037411386	1.749095762	1.444517675	2.24151074	2.27649633
ENSG00000169359	0.31515	0.441861823	-0.080845632	-1.057637791	**SLC33A1**	protein_coding	solute carrier family 33 member 1 [Source:HGNC Symbol;Acc:HGNC:95]	chr3	155821024	155854456	-1	ensembl_havana	3.991112163	4.031534979	3.950689347	4.090752661	4.144985604	3.858866672	3.895891608	4.044601662	3.931572771
ENSG00000179846	0.315307	0.441946652	0.416911758	1.335066642	**NKPD1**	protein_coding	NTPase KAP family P-loop domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24739]	chr19	45149750	45158737	-1	havana	-0.567889927	-0.776445806	-0.359534048	-0.4596317	-1.42549258	-0.444231135	-1.04978262	-0.19956768	0.17078415
ENSG00000278991	0.315256	0.441946652	0.107392074	1.077279103	**AC090182.3**	TEC	beclin 1 [Source:HGNC Symbol;Acc:HGNC:1034]	chr15	77061397	77064910	-1	havana	1.545472214	1.491776127	1.599198825	1.602123276	1.170104606	1.703102586	1.681320805	1.491756178	1.624427672
ENSG00000126581	0.315426	0.441946652	0.066916477	1.047475483	**BECN1**	protein_coding	zinc finger protein 215 [Source:HGNC Symbol;Acc:HGNC:13007]	chr17	42810134	42833350	-1	ensembl_havana	6.662265075	6.628807437	6.697329164	6.783202829	6.549140706	6.554078775	6.868208243	6.78536091	6.578652589
ENSG00000149054	0.315422	0.441946652	0.059247668	1.041922281	**ZNF215**	protein_coding	ring finger protein 215 [Source:HGNC Symbol;Acc:HGNC:19207]	chr11	6926404	7001004	1	ensembl_havana	3.778158815	3.748534981	3.807782649	3.578281784	3.781365782	3.885957376	3.63281161	3.821478248	3.969058089
ENSG00000092871	0.315336	0.441946652	-0.059775801	-1.042030371	**RFFL**	protein_coding	ring finger and FYVE like domain containing E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:24821]	chr17	35005990	35089319	1	ensembl_havana	5.834473292	5.864361192	5.804585191	6.064523495	5

						limbic system-associated membrane protein [Source:HGNC													
ENSG00000185565	0.319998	0.446306813	-0.312154659	-1.241560582	**LSAMP**	protein_coding	Symbol;Acc:HGNC:6705]	chr3	115802363	117139389	-1	ensembl_havana	0.400880555	0.556957884	0.244803225	1.058172782	0.927895934	-0.315599064	0.556057698	0.02879206	0.139040636
ENSG00000130340	0.320102	0.446326655	0.30987579	1.239809945	**SNX5**	protein_coding	sorting nexin 5 [Source:HGNC Symbol;Acc:HGNC:14973]	chr6	157703087	157945077	1	havana	0.19775035	0.04281247	0.852688229	-0.925752229	0.477608744	0.576506096	0.176794179	0.45272451	0.428535999
ENSG00000261286	0.320068	0.446326655	0.241640734	1.182336533	**ATP2C2-AS1**	antisense	ATP2C2 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:53107]	chr16	84459259	84467361	-1	havana	0.008028331	-0.112792036	0.128848699	-0.10701135	-0.071090603	-0.159374151	-0.46237776	0.343769191	0.505154661
ENSG00000166126	0.320106	0.446326655	0.112236127	1.080902299	**AMN**	protein_coding	amnion associated transmembrane protein [Source:HGNC Symbol;Acc:HGNC:14604]	chr14	102922656	102933596	1	ensembl_havana	2.650399587	2.594081523	2.70631765	2.516278079	2.446207271	2.819759219	2.705927533	2.726970195	2.686055222
ENSG00000036549	0.320169	0.446370968	-0.060155573	-1.042578037	**AC118549.1**	protein_coding	ZZ-type zinc finger-containing protein 3 [Source:UniProtKB/Swiss-Prot;Acc:Q8IYH5]	chr1	77562416	77683419	-1	ensembl_havana	6.152473728	6.182551415	6.122396042	6.224135099	6.211870515	6.105348632	6.122946619	6.185617252	6.078624255
ENSG00000124214	0.320239	0.446425179	0.062075298	1.043966413	**STAU1**	protein_coding	staufen double-stranded RNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:11370]	chr20	49113339	49188367	-1	ensembl_havana	8.140446148	8.109408499	8.171483798	8.12297219	8.168908646	8.036344662	8.180771756	8.181913486	8.15182075
ENSG00000229852	0.32031	0.446480906	-0.074124752	-1.052722181	**AC019205.1**	antisense		chr6	73263215	73301401	1	havana	1.883758833	1.924822039	1.850701457	1.837462096	2.012649227	1.681328085	1.966253876	1.90451169	1.904531069
ENSG00000102898	0.320359	0.446506425	-0.072284173	-1.050651475	**NUTF2**	protein_coding	nuclear transport factor 2 [Source:HGNC Symbol;Acc:HGNC:13722]	chr16	67846732	67872567	1	ensembl_havana	6.687987052	6.723629139	6.652344966	6.725185115	6.800276086	6.645426216	6.706438409	6.619765966	6.630832522
ENSG00000100092	0.320457	0.446553766	0.210689167	1.157240859	**SH3BP1**	protein_coding	SH3 domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10824]	chr22	37634654	37656119	1	ensembl_havana	1.068000033	0.98265545	1.173344616	1.424690178	0.77993046	0.683365711	1.125834805	1.372000412	1.022198632
ENSG00000163848	0.320473	0.446553766	0.06153023	1.043572065	**ZNF148**	protein_coding	zinc finger protein 148 [Source:HGNC Symbol;Acc:HGNC:12933]	chr3	125225561	125375354	-1	ensembl_havana	6.179949205	6.14918409	6.21071432	6.175375403	6.144431383	6.127745483	6.18638214	6.211405544	6.234435275
ENSG00000166557	0.320486	0.446553766	-0.058600428	-1.041454945	**TMED3**	protein_coding	transmembrane p24 trafficking protein 3 [Source:HGNC Symbol;Acc:HGNC:28885]	chr15	79311062	79427432	1	ensembl_havana	6.4380678	6.467368014	6.408767586	6.472605502	6.440880136	6.488573408	6.403605465	6.408164898	6.414483295
ENSG00000174915	0.320767	0.446901448	0.110747104	1.077878263	**PTDSS2**	protein_coding	phosphatidylserine synthase 2 [Source:HGNC Symbol;Acc:HGNC:15463]	chr11	448268	491399	1	ensembl_havana	4.400691453	4.345317901	4.455605005	4.421587188	4.163769556	4.45059696	4.511965697	4.498293919	4.357935399
ENSG00000182484	0.320891	0.447031137	-0.142506158	-1.103820939	**WASHC2**	transcribed_unprocessed_pseudogene	WAS protein family homolog 6 pseudogene [Source:HGNC Symbol;Acc:HGNC:16585]	chrX	156020826	156025710	1	havana	2.184467371	2.255720451	2.113214292	2.237945898	2.42145457	2.107769984	2.246292314	1.998414976	2.154935587
ENSG00000131876	0.320926	0.447036096	-0.079554424	-1.056691631	**SNRPA1**	protein_coding	small nuclear ribonucleoprotein polypeptide A' [Source:HGNC Symbol;Acc:HGNC:11152]	chr15	101281510	101295282	-1	ensembl_havana	5.721632077	5.761410189	5.681855765	5.835804086	5.753628864	5.694979617	5.614083257	5.728396855	5.703087185
ENSG00000198960	0.321248	0.447441675	-0.089261206	-1.063825265	**ARMC6**	protein_coding	armadillo repeat containing, X-linked 6 [Source:HGNC Symbol;Acc:HGNC:26094]	chrX	110615118	110618001	-1	ensembl_havana	4.04304694	4.087677543	3.998416338	4.241930479	4.137403005	4.025794377	4.002652514	3.966802122	
ENSG00000104522	0.32133	0.447512734	-0.058889102	-1.041663354	**TSTA3**	protein_coding	tissue specific transplantation antigen P35B [Source:HGNC Symbol;Acc:HGNC:12390]	chr8	143612618	143618048	-1	ensembl_havana	5.559100595	5.588545146	5.529656045	5.642069861	5.600044505	5.523521073	5.614083257	5.539597909	5.455286968
ENSG00000005020	0.321462	0.447652861	0.074933561	1.053312528	**SKAP2**	protein_coding	src kinase associated phosphoprotein 2 [Source:HGNC Symbol;Acc:HGNC:15687]	chr7	26667062	26995239	-1	ensembl_havana	5.990474671	5.953007891	6.027941451	5.829451325	6.014899689	6.014672657	5.934117833	5.969250207	6.180456314
ENSG00000156467	0.32155	0.447731496	-0.105318564	-1.075731899	**UQCRB**	protein_coding	ubiquinol-cytochrome c reductase binding protein [Source:HGNC Symbol;Acc:HGNC:12582]	chr8	96225920	96235634	-1	ensembl_havana	6.287623482	6.340282764	6.2349642	6.588912188	6.284466415	6.147496968	6.297337056	6.153561172	6.253994372
ENSG00000284976	0.32164	0.447814115	0.168015229	1.122511762	**BX255925.3**	protein_coding		chr9	137217452	137219361	1	havana	2.704625147	2.620617532	2.788632761	2.312722596	2.476573576	2.072556425	2.408992098	2.033647152	2.923259032
ENSG00000126088	0.322292	0.44859163	0.058287772	1.041229269	**UROD**	protein_coding	uroporphyrinogen decarboxylase [Source:HGNC Symbol;Acc:HGNC:12591]	chr1	45012147	45015575	1	havana	5.454255997	5.425112112	5.483399883	5.399476077	5.480023535	5.395383722	5.437679577	5.561261852	5.451282221
ENSG00000187555	0.322251	0.44859163	-0.064418267	-1.045663216	**USP7**	protein_coding	ubiquitin specific peptidase 7 [Source:HGNC Symbol;Acc:HGNC:12630]	chr16	8892094	8964514	-1	ensembl_havana	7.637874629	7.670083762	7.607665495	7.726557193	7.662929862	7.620764232	7.591797948	7.668404498	7.61687224
ENSG00000117614	0.322276	0.44859163	-0.088441081	-1.063220687	**SYF2**	protein_coding	SYF2 pre-mRNA splicing factor [Source:HGNC Symbol;Acc:HGNC:30824]	chr1	25222679	25232502	-1	ensembl_havana	5.4106365	5.454857041	5.36641596	5.57302029	5.512627239	5.278923594	5.434083869	5.302932702	5.362231308
ENSG00000197818	0.322366	0.44860722	-0.061133272	-1.043284965	**SLC9A8**	protein_coding	solute carrier family 9 member A8 [Source:HGNC Symbol;Acc:HGNC:20728]	chr20	49812713	49892242	-1	ensembl_havana	5.92536409	5.955930726	5.894797454	5.941497334	5.896361189	6.029933655	5.8610183	5.889112119	5.934261943
ENSG00000107521	0.322353	0.44860722	-0.083631763	-1.059682273	**HPS1**	protein_coding	HPS1, biogenesis of lysosomal organelles complex 3 subunit 1 [Source:HGNC Symbol;Acc:HGNC:5165]	chr10	98416198	98446947	-1	ensembl_havana	5.480932503	5.522748384	5.439116622	5.521143618	5.565145489	5.481950646	5.595693614	5.420788101	5.30088815
ENSG00000071863	0.322517	0.44877361	0.063213144	1.044790109	**RPS7**	protein_coding	ribosomal protein S7 [Source:HGNC Symbol;Acc:HGNC:10440]	chr2	3575205	3580919	1	ensembl_havana	9.92565614	9.890408568	9.957262712	9.965354399	9.857016143	9.859778163	9.968872304	9.980395688	9.922550145
ENSG00000125817	0.32277	0.446038798	-0.069170666	-1.049113427	**CENPB**	protein_coding	centromere protein B [Source:HGNC Symbol;Acc:HGNC:1852]	chr20	3783851	3786690	-1	ensembl_havana	5.334573843	5.369159176	5.29998851	5.401190533	5.4273634	5.278923594	5.415969664	5.267012783	5.216983083
ENSG00000125356	0.322742	0.449038798	-0.105603033	-1.075944031	**NDUFA1**	protein_coding	NADH:ubiquinone oxidoreductase subunit A1 [Source:HGNC Symbol;Acc:HGNC:7681]	chrX	119871487	119876662	1	ensembl_havana	8.156998876	8.209800277	8.104197244	8.440080564	8.181311375	8.008009092	8.215919609	8.561202234	8.135468889
ENSG00000101343	0.322889	0.449161066	-0.063762216	-1.045187819	**CRNKL1**	protein_coding	crooked neck pre-mRNA splicing factor 1 [Source:HGNC Symbol;Acc:HGNC:21762]	chr20	20034368	20050646	-1	ensembl_havana	6.726204078	6.758085186	6.69432297	6.862191529	6.732961017	6.733749048	6.672116208	6.677103654	
ENSG00000180596	0.323214	0.449568657	0.060287094	1.04267323	**HIST1H2BC**	protein_coding	histone cluster 1 H2B family member c [Source:HGNC Symbol;Acc:HGNC:4757]	chr6	26114873	26123926	-1	ensembl_havana	2.396793715	2.366650168	2.426937262	2.464742477	2.402591162	2.232616866	2.50808372	2.510878368	2.261849697
ENSG00000165156	0.323378	0.44975262	0.061653984	1.043661586	**ZHX1**	protein_coding	zinc fingers and homeoboxes 1 [Source:HGNC Symbol;Acc:HGNC:12871]	chr8	123248451	123275541	-1	ensembl_havana	6.720263154	6.688436162	6.751090146	6.956739943	6.637799648	6.473769074	6.960631109	6.740878339	6.55176099
ENSG00000111880	0.323467	0.449843471	0.083877372	1.057661059	**RNGTT**	protein_coding	RNA guanylyltransferase and 5'-phosphatase [Source:HGNC Symbol;Acc:HGNC:10073]	chr6	88610272	88963721	-1	ensembl_havana	6.019410587	5.979971901	6.059849273	6.081196161	5.89523762	5.960481922	6.015168266	6.076902789	6.087476763
ENSG00000130177	0.323636	0.450025653	0.060495343	1.042823749	**CDC16**	protein_coding	cell division cycle 16 [Source:HGNC Symbol;Acc:HGNC:1720]	chr13	114234887	114272723	1	ensembl_havana	6.064400484	6.034152813	6.094648156	6.08021263	6.092437742	6.929894396	6.132961863	6.111149554	6.037833052
ENSG00000181991	0.323758	0.450150985	-0.10017264	-1.071901724	**MRPS11**	protein_coding	mitochondrial ribosomal protein S11 [Source:HGNC Symbol;Acc:HGNC:14050]	chr15	88467453	88480773	1	ensembl_havana	4.400851826	4.450938146	4.350765506	4.46649433	4.36059417	4.525725938	4.387350681	4.436615978	4.22832986
ENSG00000129667	0.323923	0.45033666	0.16723971	1.122907983	**RHBDF2**	protein_coding	rhomboid 5 homolog 2 [Source:HGNC Symbol;Acc:HGNC:20788]	chr17	76470891	76501790	-1	ensembl_havana	2.229310762	2.145699907	2.312936316	1.770752281	1.918574188	2.747746253	2.015549972	2.399587437	2.523654441
ENSG00000111676	0.324016	0.450405115	-0.109495707	-1.074373561	**ATN1**	protein_coding	atrophin 1 [Source:HGNC Symbol;Acc:HGNC:3033]	chr12	6924463	6942321	-1	ensembl_havana	7.47476611	7.526493964	7.422998257	7.619060318	7.454473031	7.503495795	7.742695532	7.284751352	7.278757887
ENSG00000067191	0.324126	0.450532789	0.073625924	1.052358254	**CACNB1**	protein_coding	calcium voltage-gated channel auxiliary subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:1401]	chr17	39179456	39197703	-1	ensembl_havana	3.537581774	3.500768812	3.574394736	3.532086489	3.543917077	3.426304667	3.591444275	3.729720342	3.402019592
ENSG00000137700	0.324208	0.450600896	0.063553119	1.045036345	**SLC37A4**	protein_coding	solute carrier family 37 member 4 [Source:HGNC Symbol;Acc:HGNC:4061]	chr11	119024114	119030906	-1	ensembl_havana	6.167774253	6.135997694	6.199550813	6.184309556	6.157154802	6.181042051	6.260455585		
ENSG00000182957	0.324238	0.450600696	-0.059840323	-1.042350388	**SPATA13**	protein_coding	spermatogenesis associated 13 [Source:HGNC Symbol;Acc:HGNC:23222]	chr13	23978805	24307074	1	ensembl_havana	5.506879396	5.536799557	5.476959234	5.506882745	5.57640529	5.527110637	5.45463786	5.47346553	5.502774311
ENSG00000205643	0.324379	0.450752557	0.103965184	1.078753458	**CDPF1**	protein_coding	cysteine-rich DPF motif domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33710]	chr22	46244011	46250679	-1	ensembl_havana	1.583194291	1.528511699	1.637876883	1.464591378	1.428032914	1.692910804	1.820027213	1.413035531	1.680569906
ENSG00000154639	0.324529	0.450886005	0.077545627	1.055221326	**CXADR**	protein_coding	CXADR, Ig-like cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:2559]	chr21	17512382	17593579	1	ensembl_havana	1.77236426	1.713591446	1.831137073	1.50341865	2.004444884	1.692910804	1.619344613	1.947753749	1.866312856
ENSG00000153707	0.324537	0.450886005	-0.425779586	-1.343298182	**PTPRD**	protein_coding	protein tyrosine phosphatase, receptor type D [Source:HGNC Symbol;Acc:HGNC:9668]	chr9	8314246	10617273	-1	ensembl_havana	0.523596838	0.736486631	0.310707045	1.022973463	0.403680778	0.782805653	-0.51701327	0.554044597	0.895088805
ENSG00000224877	0.324626	0.450964795	0.093968686	1.067302172	**NDUFAF8**	protein_coding	NADH:ubiquinone oxidoreductase complex assembly factor 8 [Source:HGNC Symbol;Acc:HGNC:33051]	chr17	81239239	81241281	1	ensembl_havana	1.936215998	1.889251655	1.983220341	1.637462096	1.953185152	2.076574718	1.926226713	1.97541275	2.04802156
ENSG00000108932	0.324697	0.451018678	-0.068800083	-1.048643977	**SLC16A6**	protein_coding	solute carrier family 16 member 6 [Source:HGNC Symbol;Acc:HGNC:10927]	chr17	68267026	68291267	-1	ensembl_havana	2.569168764	2.603566805	2.534766723	2.260786651	2.657105212	2.892806553	2.254470464	2.625878149	2.723951555
ENSG00000116747	0.324727	0.451018678	-0.074034956	-1.05265666	**TRDV2**	protein_coding	TRDVE domain family member 2 [Source:HGNC Symbol;Acc:HGNC:13113]	chr1	193059422	193091777	1	ensembl_havana	6.398807702	6.43562518	6.361590224	6.654350468	6.479627244	6.472897827	6.478874707	6.39434354	6.221752424
ENSG00000123545	0.324889	0.451200382	-0.085047767	-1.060722861	**NDUFAF4**	protein_coding	NADH:ubiquinone oxidoreductase complex assembly factor 4 [Source:HGNC Symbol;Acc:HGNC:21034]	chr6	96889313	96897881	-1	ensembl_havana	4.046275119	4.008799003	4.003751235	4.107651756	4.185992157	3.972753095	3.890056094	4.079005137	4.041592475
ENSG00000125257	0.324976	0.451277504	0.115647738	1.083461386	**ABCC4**	protein_coding	ATP binding cassette subfamily C member 4 [Source:HGNC Symbol;Acc:HGNC:55]	chr13	95019829	95301475	-1	ensembl_havana	5.181280215	5.123456346	5.239104084	5.163290836	5.059828656	5.171095546	5.107176444	5.143228639	5.196912168
ENSG00000197777	0.325132	0.451411315	-0.06372523	-1.045161024	**TMEM214**	protein_coding	transmembrane protein 214 [Source:HGNC Symbol;Acc:HGNC:29383]	chr2	27032910	27041695	1	ensembl_havana	7.185757777	7.217620392	7.153895162	7.292014382	7.236905603	7.123941191	7.186326461	7.140644053	7.134714973
ENSG00000138463	0.325136	0.451411315	-0.073110819	-1.051982583	**DIRC2**	protein_coding	disrupted in renal carcinoma 2 [Source:HGNC Symbol;Acc:HGNC:16628]	chr3	122794795	122881139	1	ensembl_havana	4.073261078	4.109816488	4.036705668	4.027778621	4.023158654	4.070452688	4.045620899	4.051115116	4.002480991
ENSG00000116096	0.32525	0.451526159	0.089674289	1.064129911	**SPR**	protein_coding	sepiapterin reductase [Source:HGNC Symbol;Acc:HGNC:11257]	chr2	72887360	72892158	1	ensembl_havana	2.81142267	2.796585526	2.859259815	2.711312495	2.651792536	2.936651547	2.711879034	2.924636622	2.992536788
ENSG00000118690	0.325438	0.451699534	0.137101539	1.099693544	**ARMC2**	protein_coding	armadillo repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:28045]	chr6	108848416	108974472	1	ensembl_havana	1.351880978	1.283330209	1.420431748	1.528734855	1.228369434	1.092886337	1.340798121	1.478930052	1.441566602
ENSG00000121775	0.325417	0.451699534	-0.09429652	-1.06754473	**TMEM39B**	protein_coding	transmembrane protein 39B [Source:HGNC Symbol;Acc:HGNC:25510]	chr1	32072031	32102866	1	ensembl_havana	3.512084085	3.559232345	3.464935825	3.500443773	3.632887717	3.544365547	3.491195686	3.340601002	3.563010788
ENSG00000174125	0.325584	0.451858507	0.217868578	1.163014092	**TLR1**	protein_coding	toll like receptor 1 [Source:HGNC Symbol;Acc:HGNC:11847]	chr4	38790677	38856817	-1	ensembl_havana	2.374355829	2.28542154	2.483290118	2.878172262	2.431875495	1.484207863	2.879883083	2.335570031	2.25447024
ENSG00000234353	0.325639	0.451891869	-0.193641852	1.145923333	**AP001046.2**	transcribed_unprocessed_pseudogene		chr22	23638492	23640762	-1	havana	-0.190967857	-0.488588783	-0.252745242	-0.712889318	-0.842251242	0.109374086	-0.573799557	-0.195967768	-0.104875545
ENSG00000131193	0.325948	0.452276758	0.062466132	1.044379564	**FAM104A**	protein_coding	family with sequence similarity 104 member A [Source:HGNC Symbol;Acc:HGNC:29318]	chr17	73207353	73236753	-1	ensembl_havana	5.20680151	5.175568443	5.238214576	5.129559428	5.211441306	5.185704596	5.179826793	5.338867525	5.19594941
ENSG00000135604	0.326012	0.452322333	0.154775831	1.113248626	**STX11**	protein_coding	syntaxin 11 [Source:HGNC Symbol;Acc:HGNC:11429]	chr6	144150526	144188370	1	ensembl_havana	2.523230522	2.445842606	2.600618437	2.290693707	2.482570884	2.564263227	2.675796091	2.785433164	2.340626055
ENSG00000176809	0.3261	0.452400476	-0.099528856	-1.071423508	**LRRC37A3**	protein_coding	leucine rich repeat containing 37 member A3 [Source:HGNC Symbol;Acc:HGNC:32427]	chr17	64854312	64919480	-1	ensembl_havana	2.315654764	2.365419192	2.265890336	2.067039104	2.575286697	2.453933774	2.034670322	2.264119944	2.498886741
ENSG00000002330	0.326232	0.45253999	0.207047873	1.154323721	**BAD**	protein_coding	BCL2 associated agonist of cell death [Source:HGNC Symbol;Acc:HGNC:936]	chr11	64269830	64284704	-1	ensembl_havana	3.200729902	3.097205965	3.304253838	3.163221009	2.896025364	3.232371524	3.676073242	3.322767046	2.919321226
ENSG00000155090	0.326475	0.452833277	-0.058320513	-1.042152899	**KLF10**	protein_coding	Kruppel like factor 10 [Source:HGNC Symbol;Acc:HGNC:11810]	chr8	102648779	102655902	-1	ensembl_havana	4.13688562	4.166045876	4.107725363	4.005410009	4.222285664	4.270441955	3.934580371	4.143413982	4.245181736
ENSG00000108774	0.32687	0.452281203	0.065979466	1.046709383	**RABSC**	protein_coding	RABSC, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9785]	chr17	42124976	42155044	-1	ensembl_havana	3.876631253	3.84364152	3.909620986	3.83322345	3.857182714	3.840519396	3.834482712	3.902954406	3.991425835
ENSG00000109917	0.326845	0.452281203	-0.059826199	-1.042340183	**ZPR1**	protein_coding	ZPR1 zinc finger [Source:HGNC Symbol;Acc:HGNC:13051]	chr11	116773799	116788050	-1	ensembl_havana	6.741802324	6.771715423	6.711889225	6.712122669	6.724490382	6.878353219	6.618482319	6.732396377	6.804788979
ENSG00000181027	0.326893	0.452281203	-0.063516751	-1.045010002	**FKRP**	protein_coding	fukutin related protein [Source:HGNC Symbol;Acc:HGNC:17997]	chr19	46746046	46776988	1	ensembl_havana	4.752664298	4.784422674	4.720905923	4.954969984	4.772756043	4.625541994	4.86697049	4.782885379	4.512861898
ENSG00000229212	0.327022	0.453417138	0.171605489	1.126311192	**AC044860.1**	transcribed_unprocessed_pseudogene		chr15	85205440	85234795	-1	havana	0.367286267	0.281483522	0.453089011	0.267803752	0.214850257	0.36179655	0.668022463	-0.04338487	0.734629445
ENSG00000048162	0.327356	0.453835409	-0.072914214	-1.051839233	**NOP16**	protein_coding	NOP16 nucleolar protein [Source:HGNC Symbol;Acc:HGNC:26934]	chr5	176383938	176388975	-1	ensembl_havana	5.394047231	5.430504338	5.357590124	5.403758404	5.428917143	5.458837467	5.209576131	5.42246372	5.44073052
ENSG00000106603	0.327391	0.453840583	-0.070064834	-1.049763859	**SNW1**	protein_coding	SNW domain containing 1 [Source:HGNC Symbol;Acc:HGNC:16696]	chr14	77717599	77761207	-1	ensembl_havana	6.607077538	6.642109955	6.572045121	6.688448439	6.678534219	6.559347207	6.549951324	6.569230981	6.596953057
ENSG00000104472	0.327725	0.454259759	-0.076858222	-1.054718662	**CHRAC1**	protein_coding	chromatin accessibility complex 1 [Source:HGNC Symbol;Acc:HGNC:15546]	chr8	140511298	140517137	-1	ensembl_havana	4.96634842	5.004777531	4.927919308	4.995256012	5.097847971	4.921228609	5.04016487	4.904172218	4.839420837
ENSG00000100711	0.327902	0.454416787	0.072711179	1.051691214	**ZFYVE21**	protein_coding	SMG1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:49859]	chr16	29527568	29594966	-1	havana	1.614814182	1.674708954	1.55491941	1.424690178	1.779150901	1.820085783	1.580893934	1.566404757	1.517514168
ENSG00000169093	0.328002	0.454511484	0.122432522	1.088568747	**ASMTL**	protein_coding	zinc finger FYVE-type containing 21 [Source:HGNC Symbol;Acc:HGNC:20760]	chrX	1403139	1453762	-1	ensembl_havana	4.560051909	4.498835648	4.62126817	4.806332033	4.247158573	4.443016337	4.846828461	4.650458282	4.366517767
ENSG00000059573	0.328075	0.454568903	-0.073347334	-1.052155059	**ALDH18A1**	protein_coding	aldehyde dehydrogenase 18 family member A1 [Source:HGNC Symbol;Acc:HGNC:9722]	chr10	95605929	95656706	-1	ensembl_havana	7.328764157	7.365433824	7.292090489	7.476319458	7.307653298	7.312340716	7.306237805	7.215764143	7.35428946
ENSG00000224975	0.328158	0.454640974	-0.056746342	-1.040117374	**INE1**	sense_intronic	inactivation escape 1 [non-protein coding] [Source:HGNC Symbol;Acc:HGNC:6060]	chrX	47204921	47205865	1	havana	1.969491205	1.997864376	1.941118034	1.987104222	1.845996665	2.160402241	1.926226713	1.790554303	2.106573087
ENSG00000145246	0.328217	0.454678641	0.064001864	1.045361451	**ATP1ID**	protein_coding	ATPase phospholipid transporting 1ID (putative) [Source:HGNC Symbol;Acc:HGNC:13569]	chr4	47485288	47593486	1	ensembl_havana	4.050468218	4.018467286	4.08246915	4.938580819	3.966065478	4.150828362	3.942194775	4.016031855	4.289180821
ENSG00000013583	0.328249	0.454679298	-0.066087991	-1.04687413	**HEBP1**	protein_coding	heme binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17176]	chr12	12974864	13000273	-1	ensembl_havana	3.46337056	3.496414556	3.430326565	3.369957701	3.549641413	3.569648554	3.37927385	3.403037306	3.508218538
ENSG00000128059	0.328373	0.454807298	-0.058123157	-1.04111047	**PPAT**	protein_coding	phosphoribosyl pyrophosphate amidotransferase [Source:HGNC Symbol;Acc:HGNC:9238]	chr4	56393162	56435615	-1	ensembl_havana	6.148566205	6.177627784	6.119506627	6.126465405	6.195529293	6.210888654	6.034293642	6.152551936	6.171668302
ENSG00000119397	0.328513	0.454956301	0.073154738	1.052014608	**CNTRL**	protein_coding	centriolin [Source:HGNC Symbol;Acc:HGNC:1858]	chr9	121074863	121177610	1	ensembl_havana	5.254936275	5.218358906	5.291513644	5.176365402	5.27674645	5.201964867	5.23661179	5.250127827	5.387751314
ENSG00000250796	0.328727	0.455165761	0.228005309	1.172124491	**AC112484.2**	processed_pseudogene		chr3	128869624	128870026	1	havana	-0.130626359	-0.244629013	-0.016623704	-0.10791135	-0.072709	0.046733104	0.339398945	-0.08087422	-0.308395834
ENSG00000135766	0.328707	0.455165761	0.068465998	1.048601125	**EGLN1**	protein_coding	egl-9 family hypoxia inducible factor 1 [Source:HGNC Symbol;Acc:HGNC:1232]	chr1	231363751	231425044	-1	ensembl_havana	5.130607463	5.096374464	5.164840462	5.056373842	5.183180103	5.049569497	5.119541749	5.165609729	5.209369908
ENSG00000185019	0.329009	0.455512084	-0.071241137	-1.050620133	**UBOX5**	protein_coding	U-box domain containing 5 [Source:HGNC Symbol;Acc:HGNC:17777]	chr20	3107573	3160196	-1	ensembl_havana	4.214672466	4.250293035	4.179051898	4.241910479	4.245396088	4.263572536	4.175428345	4.271654209	4.09007314
ENSG00000160818	0.329055	0.455531969	-0.063070951	-1.044687138	**GPATCH4**	protein_coding	G-patch domain containing 4 [Source:HGNC Symbol;Acc:HGNC:29382]	chr1	156594487	156601496	-1	ensembl_havana	5.467923259	5.499458735	5.436387784	5.298222494	5.53372O1	5.66643361	5.287362276	5.398826084	5.622974993
ENSG00000180914	0.32921	0.455702538	0.158166095	1.115867783	**OXTR**	protein_coding	oxytocin receptor [Source:HGNC Symbol;Acc:HGNC:8529]	chr3	8750408	8769628	-1	ensembl_havana	2.047282648	1.9681996	2.126365695	1.660549964	2.425231188	1.791176956	1.905603022	2.233896951	2.239597111
ENSG00000214765	0.329351	0.455809527	0.08529209	1.060902511	**SEPT7P2**	transcribed_unprocessed_pseudogene	septin 7 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:32339]	chr7	45723780	45769885	-1	havana	4.328367224	4.285721179	4.371013269	4.301877063	4.314268171	4.241018303	4.2324335	4.414895403	4.465710904
ENSG00000109082	0.329335	0.455809527	0.070214024	1.049872421	**SLC9A3R1**	protein_coding	SLC9A3 regulator 1 [Source:HGNC Symbol;Acc:HGNC:11075]	chr17	74748652	74769353	1	ensembl_havana	5.933414582	5.88830757	5.968521594	5.915480524	5.973256925				
ENSG00000183793	0.329812	0.456359303	0.190474986	1.141139341	**NPIPA5**	protein_coding	nuclear pore complex interacting protein family member A5 [Source:HGNC Symbol;Acc:HGNC:41980]	chr16	15363624	15381047	-1	ensembl_havana	0.664494857	0.569253735	0.75973234	0.383334258	0.962641309	0.361796557	0.873137292	0.671430284	0.734629445
ENSG00000164182	0.329794	0.456359303	0.107713176	1.077518901	**NDUFAF2**	protein_coding	NADH:ubiquinone oxidoreductase







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ENSG00000167747	0.604895	0.708680347	0.050470812	-1.03560283	**C19orf48**	protein_coding	chromosome 19 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:29667]	chr19	50797704	50804929	-1	ensembl_havana	6.657702654	6.651782248	6.70225306	6.352408624	6.6571511	6.945878703	6.565235965	6.75324758	6.788275457
ENSG00000253719	0.604985	0.708728087	-0.030000998	-1.021012832	**ATXN7L3B**	protein_coding	ataxin 7 like 3B [Source:HGNC Symbol;Acc:HGNC:37931]	chr12	74537827	74545430	1	ensembl_havana	6.570351945	6.585352444	6.555351446	6.621634763	6.556266799	6.578155831	6.564413895	6.572253136	6.529387309
ENSG00000015676	0.605488	0.709259127	0.031648516	1.022179467	**NUDCD3**	protein_coding	NudC domain containing 3 [Source:HGNC Symbol;Acc:HGNC:22208]	chr7	44379121	44400880	-1	ensembl_havana	6.621698544	6.605874286	6.637522802	6.413569568	6.612384679	6.791668612	6.513786485	6.625596539	6.773185381
ENSG00000113108	0.605548	0.709271851	0.037945817	1.026650987	**APBB3**	protein_coding	amyloid beta precursor protein binding family B member 3 [Source:HGNC Symbol;Acc:HGNC:20706]	chr5	140558268	140564781	-1	ensembl_havana	4.826772645	4.807799737	4.845745554	4.753623874	4.761701395	4.908073941	4.905131977	4.685708813	4.946335871
ENSG00000196235	0.605721	0.709415965	0.029222871	1.020320834	**SUPT5H**	protein_coding	SPT5 homolog, DSIF elongation factor subunit [Source:HGNC Symbol;Acc:HGNC:11469]	chr19	39436156	39476670	1	ensembl_havana	7.921312491	7.909801056	7.935823927	7.95601448	7.881236102	7.883152586	8.003126283	7.914628235	7.887917262
ENSG00000259826	0.605935	0.709527059	0.117697221	1.100147987	**AC072061.1**	antisense		chr7	38947522	38949755	-1	havana	0.379309761	0.31046115	0.448138371	0.048438787	0.243388951	0.683365713	0.830009965	0.19485055	0.319605599
ENSG00000185664	0.605907	0.709527059	0.089109559	1.063719449	**PMEL**	protein_coding	premelanosome protein [Source:HGNC Symbol;Acc:HGNC:10880]	chr12	55954105	55973317	-1	ensembl_havana	-0.157392933	-0.201747713	-0.112638154	-0.45963117	-0.42807509	0.032074365	-0.37473441	0.004745582	
ENSG00000083168	0.606013	0.709527059	0.035987142	1.0252581	**KAT6A**	protein_coding	lysine acetyltransferase 6A [Source:HGNC Symbol;Acc:HGNC:13013]	chr8	41929479	42051990	-1	ensembl_havana	6.200852744	6.182850173	6.221846335	6.189830003	6.078151357	6.280596157	6.194826499	6.225872163	6.235841182
ENSG00000081721	0.605976	0.709527059	-0.044711404	-1.031476823	**DUSP12**	protein_coding	dual specificity phosphatase 12 [Source:HGNC Symbol;Acc:HGNC:3067]	chr1	161749758	161757238	1	ensembl_havana	5.241615604	5.263971306	5.219259902	5.217814338	5.206014429	5.368085175	5.245920359	5.266876748	5.142982598
ENSG00000181240	0.606263	0.709761604	0.093067561	1.066641391	**SLC25A41**	protein_coding	solute carrier family 25 member 41 [Source:HGNC Symbol;Acc:HGNC:28533]	chr19	6426037	6433779	-1	ensembl_havana	-0.216803648	-0.261987428	-0.171619867	0.10902545	-0.620350959	-0.274636777	-0.171398403	-0.119361811	-0.223511759
ENSG00000090020	0.606694	0.710208502	0.031221128	1.021876698	**SLC9A1**	protein_coding	solute carrier family 9 member A1 [Source:HGNC Symbol;Acc:HGNC:11071]	chr1	27098815	27166981	-1	ensembl_havana	4.971891344	4.956282581	4.987503708	4.99298401	4.895831178	4.980031952	5.075214403	4.884043597	5.023253127
ENSG00000173153	0.606958	0.710455208	0.067730348	1.048066565	**ESRRA**	protein_coding	estrogen related receptor alpha [Source:HGNC Symbol;Acc:HGNC:3471]	chr11	64305572	64316743	1	ensembl_havana	3.289973886	3.256108712	3.32383906	3.203079534	3.171171104	3.392069497	3.416632027	3.419911719	3.134973434
ENSG00000170629	0.607345	0.710854007	-0.0854219	-1.066997973	**DPY19L2P2**	transcribed_unprocessed_pseudogene	DPY19L2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:21764]	chr7	103175133	103280410	-1	havana	2.416558148	2.459266098	2.373847198	1.87313074	2.529672436	2.975004118	2.20469138	2.315513031	2.601331184
ENSG00000169710	0.60745	0.710861373	0.101467478	1.072864202	**FASN**	protein_coding	fatty acid synthase [Source:HGNC Symbol;Acc:HGNC:3594]	chr17	82078333	82098332	-1	ensembl_havana	8.010514148	7.959780409	8.061247887	8.200833115	7.560154443	8.117994468	8.444580342	8.020910227	7.71825309
ENSG00000134255	0.607404	0.710861373	-0.049489322	-1.034898531	**CEPT1**	protein_coding	choline/ethanolamine phosphotransferase 1 [Source:HGNC Symbol;Acc:HGNC:24285]	chr1	111139627	111185102	1	ensembl_havana	5.135870818	5.160615479	5.111126157	5.204129902	5.163715961	5.114000573	4.953655868	5.149512378	5.230210225
ENSG00000169217	0.607683	0.711075985	0.030672567	1.02148822	**CD28P2**	protein_coding	CD2 cytoplasmic tail binding protein 2 [Source:HGNC Symbol;Acc:HGNC:1656]	chr16	30350766	30355361	-1	ensembl_havana	7.287648573	7.27231229	7.302984857	7.343078707	7.265665803	7.208329358	7.397457368	7.23615344	7.275343762
ENSG00000197641	0.607948	0.711328249	0.213909624	1.159826696	**SERPINB13**	protein_coding	serpin family B member 13 [Source:HGNC Symbol;Acc:HGNC:8944]	chr18	63588989	63604639	1	ensembl_havana	-0.577068692	-0.684023504	-0.470113879	-0.99620085	-1.338333324	0.28246366	-1.22062457	-0.00684508	-0.182871985
ENSG00000165804	0.608109	0.711459327	0.054784745	1.038704114	**ZNF219**	protein_coding	zinc finger protein 219 [Source:HGNC Symbol;Acc:HGNC:13011]	chr14	21090046	21104722	-1	ensembl_havana	1.447102282	1.41970991	1.474496655	1.602122376	1.402954459	1.254052895	1.600622359	1.693970236	1.12289037
ENSG00000102780	0.608175	0.711478048	0.043220796	1.030398784	**DGKH**	protein_coding	diacylglycerol kinase eta [Source:HGNC Symbol;Acc:HGNC:2854]	chr13	42040036	42255678	1	ensembl_havana	6.073760252	6.052158854	6.09536165	6.036667968	5.993000119	6.126799475	6.00004813	6.208980426	6.077056393
ENSG00000166452	0.608295	0.711502463	0.043285529	1.030457875	**AKIP1**	protein_coding	A-kinase interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:1170]	chr11	8911139	8920384	1	ensembl_havana	3.036054658	3.014411894	3.057697422	3.054120838	2.85500554	3.134109303	2.981915645	3.068309725	3.122866897
ENSG00000124614	0.608259	0.711502463	0.030558322	1.021407333	**RPS10**	protein_coding	ribosomal protein S10 [Source:HGNC Symbol;Acc:HGNC:10383]	chr6	34417454	34426125	-1	ensembl_havana	3.030300557	2.987751396	3.018309718	3.000842367	2.981208668	2.979320253	2.99861167	2.998119925	3.069198529
ENSG00000279673	0.60837	0.711532284	-0.096077978	-1.068863762	**AC092919.2**	TEC		chr5	171460612	171462256	1	havana	1.031964891	1.08000388	0.983925902	0.565613454	1.151632158	1.519235028	0.857194776	1.130954377	0.969088554
ENSG00000104365	0.608448	0.711565016	0.031836932	1.022312334	**IKBKB**	protein_coding	inhibitor of nuclear factor kappa-B kinase subunit beta [Source:HGNC Symbol;Acc:HGNC:5960]	chr8	42271302	42332653	1	ensembl_havana	5.509273234	5.493355218	5.52519125	5.714874564	5.336742153	5.428448938	5.67130812	5.419110534	5.484755097
ENSG00000140153	0.608568	0.711575687	0.033133982	1.022323493	**WDR20**	protein_coding	WD repeat domain 20 [Source:HGNC Symbol;Acc:HGNC:19667]	chr14	102139503	102224847	1	ensembl_havana	5.253948939	5.237181948	5.27051591	5.348849298	5.150592429	5.212704117	5.39302806	5.255778132	5.1638416
ENSG00000197885	0.608605	0.711575687	0.02899485	1.032001017	**NXRAS1**	protein_coding	NFKB inhibitor interacting Ras like 1 [Source:HGNC Symbol;Acc:HGNC:17899]	chr3	23891660	23945951	-1	ensembl_havana	4.731793084	4.717295659	4.746292509	5.00430841	4.660945658	4.456832909	5.051942913	4.732449943	4.454483673
ENSG00000163635	0.608537	0.711575687	-0.041219175	-1.02898302	**ATXN7**	protein_coding	ataxin 7 [Source:HGNC Symbol;Acc:HGNC:10560]	chr3	63898399	64003453	1	ensembl_havana	3.121608853	3.14221844	3.100999265	3.297637718	2.939311052	3.211306551	3.113627387	3.042391184	3.146979223
ENSG00000124733	0.608815	0.711762633	0.036769393	1.025814161	**MEA1**	protein_coding	male-enhanced antigen 1 [Source:HGNC Symbol;Acc:HGNC:6986]	chr6	43011143	43016868	-1	ensembl_havana	6.243448431	6.225063735	6.261831128	6.237631947	6.322160529	6.115398729	6.293842204	6.241617797	6.247039381
ENSG00000217275	0.60895	0.711862722	0.108229016	1.07790424	**AL031777.1**	processed_pseudogene		chr6	26202156	26202654	1	havana	0.228497192	0.174382684	0.2826117	0.237415364	0.271370116	0.014362573	0.24450581	-0.04318487	0.647169164
ENSG00000120058	0.609616	0.71258351	-0.032597548	-1.022852097	**COIL**	protein_coding	coilin [Source:HGNC Symbol;Acc:HGNC:2194]	chr17	56938187	56961054	-1	ensembl_havana	5.460995033	5.477293807	5.442496259	5.522739483	5.483018143	5.426143785	5.485364378	5.527404783	5.521319615
ENSG00000205413	0.610511	0.712550338	0.059380553	1.042018256	**SAMD9**	protein_coding	sterile alpha motif domain containing 9 [Source:HGNC Symbol;Acc:HGNC:21321]	chr7	93099513	93116023	-1	ensembl_havana	5.520676575	5.490586298	5.550366852	5.351115925	5.650589436	5.670983534	5.481885737	5.516466293	5.652751546
ENSG00000120451	0.610551	0.713560338	0.030516536	1.02137775	**SNX19**	protein_coding	sorting nexin 19 [Source:HGNC Symbol;Acc:HGNC:21532]	chr11	130875436	130916509	1	ensembl_havana	6.679917599	6.66465933	6.695175867	6.580416638	6.607590595	6.802372758	6.592580857	6.699324612	6.793649432
ENSG00000135972	0.610797	0.713788892	-0.030952067	-1.021686137	**MRPS10**	protein_coding	mitochondrial ribosomal protein S9 [Source:HGNC Symbol;Acc:HGNC:14501]	chr2	105037983	105099960	1	ensembl_havana	5.829936544	5.845412578	5.81446051	5.860315968	5.832640671	5.843281094	5.761239148	5.832891735	5.849250648
ENSG00000109911	0.61116	0.71415522	0.029657481	1.02076975	**ELP4**	protein_coding	elongator acetyltransferase complex subunit 4 [Source:HGNC Symbol;Acc:HGNC:1171]	chr11	31509700	31790328	1	ensembl_havana	4.291081192	4.272652451	4.305909933	4.366487997	4.196976397	4.265229959	4.347765965	4.241596186	4.328367446
ENSG00000122705	0.611214	0.714160728	-0.05419511	-1.038279678	**CLTA**	protein_coding	clathrin light chain A [Source:HGNC Symbol;Acc:HGNC:2090]	chr9	36190856	36304781	1	ensembl_havana	5.5165104	5.543607955	5.489412845	5.481986988	5.644853307	5.503981571	5.552401201	5.342412265	5.573423068
ENSG00000198951	0.611297	0.714199861	-0.032187981	-1.02256176	**NAGA**	protein_coding	alpha-N-acetylgalactosaminidase [Source:HGNC Symbol;Acc:HGNC:7631]	chr22	42053854	42070842	-1	ensembl_havana	5.116424492	5.132518482	5.100330502	5.087586454	5.129725469	5.180243524	5.126242055	5.023796152	5.150953298
ENSG00000158636	0.611438	0.714230095	-0.034474082	-1.024183401	**EMSY**	protein_coding	EMSY, BRCA2 interacting transcriptional repressor [Source:HGNC Symbol;Acc:HGNC:18071]	chr11	76444923	76553025	1	ensembl_havana	4.887949332	4.905186373	4.87071229	4.966595525	4.892457205	4.856506388	4.852227225	4.836657353	4.923252293
ENSG00000173486	0.611523	0.714230095	-0.056747776	-1.040118409	**FKBP2**	protein_coding	FK506 binding protein 2 [Source:HGNC Symbol;Acc:HGNC:3718]	chr11	64243003	64244132	1	ensembl_havana	3.693202898	3.721576786	3.66482901	4.014399115	3.591886916	3.558466327	3.723976981	3.759192284	3.511317764
ENSG00000174448	0.61141	0.714230095	-0.058181185	-1.041152346	**STARD6**	protein_coding	StAR related lipid transfer domain containing 6 [Source:HGNC Symbol;Acc:HGNC:18095]	chr2	54324358	54357964	-1	ensembl_havana	0.009433722	0.038524314	-0.019656871	-0.042998119	-0.21998119	0.298828819	0.046733314	-0.51703127	0.225896484
ENSG00000151693	0.611534	0.714230095	-0.088110147	-1.062976828	**ASAP2**	protein_coding	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2 [Source:HGNC Symbol;Acc:HGNC:27251]	chr2	9206765	9405683	1	ensembl_havana	4.915246826	4.9593019	4.871191752	4.222647985	5.163715961	5.469541753	4.563890364	4.972106681	5.077582212
ENSG00000134201	0.611572	0.714230095	-0.142292598	-1.103657554	**GSTM5**	protein_coding	glutathione S-transferase mu 5 [Source:HGNC Symbol;Acc:HGNC:4637]	chr1	109712255	109775428	1	ensembl_havana	0.439503832	0.510650131	0.368357533	0.10902545	0.760296981	0.662627962	-0.00649342	-0.04338487	1.154950891
ENSG00000112208	0.611921	0.714579159	0.035052822	1.024594326	**BAG2**	protein_coding	BCL2 associated athanogene 2 [Source:HGNC Symbol;Acc:HGNC:938]	chr6	57172326	57189833	-1	ensembl_havana	0.787624655	0.770098244	0.805510067	0.749162884	0.837200441	0.723987898	0.830009965	0.938274071	0.647169164
ENSG00000272054	0.612189	0.71483423	0.099691649	1.071544414	**AC007390.2**	sense_intronic		chr2	37208875	37212677	1	havana	0.031876519	-0.017965905	0.081722343	-0.03191641	0.030651399	-0.052642908	0.513047461	0.137077766	-0.398588198
ENSG00000067560	0.612354	0.714696454	-0.028573011	-1.020002728	**RHOA**	protein_coding	ras homolog family member A [Source:HGNC Symbol;Acc:HGNC:667]	chr3	49359145	49412968	-1	ensembl_havana	9.140450067	9.154736573	9.126163562	9.111172555	9.177191501	9.175845663	9.108753676	9.12613192	9.143605089
ENSG00000115275	0.612675	0.715285947	0.03045443	1.021333782	**MOGS**	protein_coding	mannosyl-oligosaccharide glucosidase [Source:HGNC Symbol;Acc:HGNC:24882]	chr2	74461057	74465410	-1	ensembl_havana	6.962005785	6.94677857	6.977233	7.084140341	6.897467769	6.858727599	7.064880033	6.918208578	6.948622389
ENSG00000089847	0.612797	0.7153698	-0.072649111	-1.051645969	**ANKRD24**	protein_coding	ankyrin repeat domain 24 [Source:HGNC Symbol;Acc:HGNC:29424]	chr19	4183354	4224814	1	ensembl_havana	1.128120933	1.164445489	1.091796378	1.175017601	0.996565715	1.321753152	1.386165364	0.975275413	0.919348357
ENSG00000162959	0.612937	0.715474696	-0.112309905	-1.080957578	**MEMO1**	protein_coding	mediator of cell motility 1 [Source:HGNC Symbol;Acc:HGNC:14014]	chr2	31865060	32011230	-1	ensembl_havana	0.437518299	0.493673252	0.381363347	0.267803752	0.592979824	0.620236179	0.540060475	0.671430284	-0.067400719
ENSG00000072364	0.613212	0.715679938	-0.028927502	-1.020253388	**AFF4**	protein_coding	AF4/FMR2 family member 4 [Source:HGNC Symbol;Acc:HGNC:17869]	chr5	132875379	132963634	-1	ensembl_havana	7.506697011	7.521160762	7.49223326	7.643169439	7.497866764	7.422446084	7.575695068	7.49274302	7.408261693
ENSG00000088986	0.613197	0.715679938	-0.032278331	-1.022625801	**DYNLL1**	protein_coding	dynein light chain LC8-type 1 [Source:HGNC Symbol;Acc:HGNC:15476]	chr12	120469850	120498493	1	ensembl_havana	7.518675626	7.534814792	7.502536461	7.485439596	7.584065702	7.534939079	7.447785589	7.479724903	7.58007889
ENSG00000156482	0.613377	0.715814769	0.031614842	1.022155608	**RPL30**	protein_coding	ribosomal protein L30 [Source:HGNC Symbol;Acc:HGNC:10333]	chr8	98024851	98040469	-1	ensembl_havana	8.300452044	8.284644623	8.316259465	8.363123171	8.219947225	8.270865272	8.325663701	8.31967571	8.303438984
ENSG00000135698	0.613452	0.715843457	0.059954063	1.042432568	**MPHOSPH6**	protein_coding	M-phase phosphoprotein 6 [Source:HGNC Symbol;Acc:HGNC:7214]	chr16	82147798	82170226	-1	ensembl_havana	5.386408716	5.356431684	5.416385747	5.486839167	5.535886622	5.046571263	5.581136408	5.332643195	5.335376639
ENSG00000197745	0.6137	0.716061725	0.02852133	1.01996619	**ZNF622**	protein_coding	zinc finger protein 622 [Source:HGNC Symbol;Acc:HGNC:30958]	chr5	16451519	16465792	-1	ensembl_havana	4.948502342	4.934241677	4.962763007	4.968909434	4.967037817	4.866741781	4.967402959	5.010488955	4.910397109
ENSG00000204388	0.613739	0.716061725	-0.04788894	-1.033751154	**HSPA1B**	protein_coding	heat shock protein family A (Hsp70) member 1B [Source:HGNC Symbol;Acc:HGNC:5235]	chr6	31827735	31830255	1	ensembl_havana	5.165744809	5.189689279	5.141800339	5.372638121	5.354837175	4.861502541	5.469643919	5.366114119	4.589424978
ENSG00000183578	0.614043	0.716358574	0.133282447	1.096438085	**TNFAIP8L3**	protein_coding	TNF alpha induced protein 8 like 3 [Source:HGNC Symbol;Acc:HGNC:20620]	chr15	51056598	51105276	-1	ensembl_havana	0.331651139	0.265238965	0.398063312	-0.4596317	0.818355163	0.436999436	0.339398945	0.426254992	0.428535999
ENSG00000111271	0.614155	0.716430541	0.028112051	1.019676876	**ACAD10**	protein_coding	acyl-CoA dehydrogenase family member 10 [Source:HGNC Symbol;Acc:HGNC:21597]	chr12	115686056	115757107	1	ensembl_havana	4.864276316	4.85022029	4.878332342	4.844636702	4.809004826	4.897019343	4.861626719	4.831621697	4.941748608
ENSG00000009844	0.614262	0.716452494	-0.028486872	-1.019941829	**VTA1**	protein_coding	vesicle trafficking 1 [Source:HGNC Symbol;Acc:HGNC:20954]	chr6	142147162	142224689	1	ensembl_havana	5.668370488	5.682613924	5.654127052	5.633343755	5.776997265	5.637500752	5.574619088	5.76120985	5.626552217
ENSG00000163624	0.614273	0.716452494	-0.048959746	-1.034518716	**CDS1**	protein_coding	CDP-diacylglycerol synthase 1 [Source:HGNC Symbol;Acc:HGNC:1800]	chr4	84582979	84651338	1	ensembl_havana	8.300452044	8.284644623	8.316259465	8.363123171	8.219947225	8.270865272	8.325663701	8.31967571	8.303438984
ENSG00000135698	0.613452	0.715843457	0.059954063	1.042432568	**MPHOSPH6**	protein_coding	M-phase phosphoprotein 6 [Source:HGNC Symbol;Acc:HGNC:7214]	chr16	82147798	82170226	-1	ensembl_havana	5.386408716	5.356431684	5.416385747	5.486839167	5.535886622	5.046571263	5.581136408	5.332643195	5.335376639
ENSG00000205189	0.61476	0.716620553	-0.029050874	-1.020340639	**ZBTB10**	protein_coding	zinc finger and BTB domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30953]	chr8	80485619	80526265	1	ensembl_havana	5.23853768	5.253063117	5.224012243	5.567686781	5.144931306	5.046571263	5.498335162	5.151534397	5.022167171
ENSG00000104738	0.614824	0.716820553	-0.029279173	-1.020502115	**MCM4**	protein_coding	minichromosome maintenance complex component 4 [Source:HGNC Symbol;Acc:HGNC:6947]	chr8	47960185	47978160	-1	ensembl_havana	7.702513296	7.717152883	7.68787371	7.436118749	7.755151267	7.960188632	7.446690749	7.729758505	7.887717876
ENSG00000197912	0.614838	0.716820553	-0.04064043	-1.02857032	**SPG7**	protein_coding	SPG7, paraplegin matrix AAA peptidase subunit [Source:HGNC Symbol;Acc:HGNC:11237]	chr16	89490719	89557768	1	ensembl_havana	7.006564591	7.026884806	6.986244376	7.063988679	6.916144389	7.100521349	6.97462164	7.032063626	6.952047862
ENSG00000165474	0.614707	0.716820553	-0.230125914	-1.172937315	**GJB2**	protein_coding	gap junction protein beta 2 [Source:HGNC Symbol;Acc:HGNC:4284]	chr13	20187463	20193010	-1	ensembl_havana	-0.705358543	-0.596295586	-0.820421501	-0.79449999	-1.338333324	0.361796557	-1.903658101	-0.37473441	-0.182871985
ENSG00000129559	0.615294	0.717294089	-0.039590013	-1.027821698	**NEDD8**	protein_coding	neural precursor cell expressed, developmentally down-regulated 8 [Source:HGNC Symbol;Acc:HGNC:7732]	chr14	24216852	24232454	-1	ensembl_havana	4.432386757	4.452181764	4.41259175	4.38912643	4.556834408	4.410735454	4.400307849	4.366971446	4.470495956
ENSG00000124608	0.615355	0.717305923	-0.032519487	-1.022810933	**AARS2**	protein_coding	alanyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:21022]	chr6	44299654	44313326	-1	ensembl_havana	5.535585527	5.551855271	5.519315784	5.624564548	5.371092554	5.655908725	5.558908698	5.414066096	5.544972558
ENSG00000168491	0.615416	0.717319093	-0.063657889	-1.04511224	**CCDC110**	protein_coding	coiled-coil domain containing 110 [Source:HGNC Symbol;Acc:HGNC:28504]	chr4	185445182	185471759	-1	ensembl_havana	0.257361378	0.280190323	0.225532434	-0.41068387	0.658018659	0.620236179	-0.21650287	0.315191528	0.577908642
ENSG00000123992	0.615661	0.717546873	-0.036822568	-1.025709057	**DNPEP**	protein_coding	aspartyl aminopeptidase [Source:HGNC Symbol;Acc:HGNC:2981]	chr2	219375527	219400022	-1	ensembl_havana	5.946474276	5.964485059	5.927863492	5.860393034	5.808159462	6.024356683	5.953713021	5.908372535	5.92150492
ENSG00000151917	0.616534	0.71843182	0.040934112	1.028779722	**BEND6**	protein_coding	BEN domain containing 6 [Source:HGNC Symbol;Acc:HGNC:28071]	chr6	56955126	57027342	1	ensembl_havana	3.08970207	3.069235014	3.110169126	2.936090303	3.053384979	3.218229759	3.00148395	3.222458254	3.106565174
ENSG00000117322	0.616571	0.71843182	-0.064538361	-1.044750263	**CR2**	protein_coding	complement C3d receptor 2 [Source:HGNC Symbol;Acc:HGNC:2336]	chr1	207454230	207489895	-1	ensembl_havana	0.577382692	0.609651873	0.545113512	0.267803752	0.740431176	0.820738689	0.276583753	0.37179175	0.987010032
ENSG00000176040	0.616564	0.71843182	-0.068209217	-1.048414503	**CASC2**	antisense	cancer susceptibility 2 (non-protein coding) [Source:HGNC Symbol;Acc:HGNC:22933]	chr10	118046279	118210153	1	ensembl_havana	-0.135324189	-0.101219581	-0.169428798	-0.10791135	-0.036373238	-0.159374151	-0.46237776	-0.11936381	0.073455173
ENSG00000113593	0.616662	0.718479783	-0.029551592	-1.020694832	**PPWD1**	protein_coding	peptidylprolyl isomerase domain and WD repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:28954]	chr5	65563236	65587549	1	ensembl_havana	6.155397979	6.170173775	6.140622183	6.15418101	6.156204486	6.200135831	6.072378552	6.136307399	6.213180599
ENSG00000083896	0.617191	0.71903814	0.028597819	1.020202068	**YTHDC1**	protein_coding	YTH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30626]	chr4	68310387	68350089	-1	ensembl_havana	6.683776953	6.666478044	6.698075862	6.650391445	6.651505911	6.706536775	6.65407813	6.718547168	6.721602288
ENSG00000162194	0.617305	0.719113071	-0.045132072	-1.031777629	**LBHD1**	protein_coding	LBH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28351]	chr11	62662817	62672255	-1	ensembl_havana	3.568516629	3.591082665	3.545950593	3.722389648	3.549641413	3.502126933	3.491195686	3.54824011	3.598415984
ENSG00000093183	0.617456	0.719229625	0.028709442	1.020099191	**SEC22C**	protein_coding	SEC22 homolog C, vesicle trafficking protein [Source:HGNC Symbol;Acc:HGNC:18828]	chr3	42547969	42601080	-1	ensembl_havana	3.737384497	3.719281137	3.755447857	3.746868803	3.744406796	3.666569812	3.660771151	3.80615704	3.799415379
ENSG00000111850	0.617626	0.71936945	0.037753073	1.026513836	**SMIM8**	protein_coding	small integral membrane protein 8 [Source:HGNC Symbol;Acc:HGNC:21401]	chr6	87322583	87399749	1	ensembl_havana	2.896016459	2.877139923	2.914892996	2.883093138	2.882481267	2.865845363	2.926692653	2.795812872	3.022173463
ENSG00000144655	0.617963	0.719375	0.029396419	1.027511393	**SMG1**	protein_coding	sulfatase modifying factor 1 [Source:HGNC Symbol;Acc:HGNC:20376]	chr3	3700814	4467281	-1	ensembl_havana	4.509127155	4.527441302	4.490813007	4.525847985	4.639535784	4.416904138	4.508550664	4.480709313	4.483179044
ENSG00000146729	0.617954	0.719634533	-0.031730613	-1.022237635	**NIPSNAP2**	protein_coding	nipsnap homolog 2 [Source:HGNC Symbol;Acc:HGNC:4179]	chr7	55951793	56000181	1	ensembl_havana	5.958505008	5.974370314	5.942639702	6.090258088	6.017483722	5.815369133	6.087335597	5.901780729	5.838802979
ENSG00000245060	0.618357	0.72004567	-0.033929148	-1.023796619	**LINC00847**	lincRNA	long intergenic non-protein coding RNA 847 [Source:HGNC Symbol;Acc:HGNC:45055]	chr5	180830957	180835726	1	havana	4.962072378	4.979036952	4.945107804	4.883177929	5.013376786	5.040556139	4.956165102	4.939708814	4.939449496
ENSG00000158050	0.618471	0.72012043	-0.033064678	-1.02181334	**DUSP2**	protein_coding	dual specificity phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:3068]	chr2	96143166	96145440	-1	ensembl_havana	4.13073069	4.147263029	4.114198351	4.451680056	4.093012297	3.897096734	4.338178756	4.04894723	3.955469065
ENSG00000280063	0.618864	0.720359687	0.040583739	1.028529903	**AC012676.5**	TEC		chr16	4346694	4348648	-1	havana	2.910345198	2.890053328	2.930637087	2.982636349	2.683379039	3.000434598	2.90607567	2.881149392	3.004686139
ENSG00000126247	0.618858	0.720359687	0.034714158	1.024353847	**CAPNS1**	protein_coding	calpain small subunit 1 [Source:HGNC Symbol;Acc:HGNC:1481]	chr19	36139575	36150353	1	ensembl_havana	7.34095779	7.323640712	7.345290071	7.291597441	7.357678367	7.373138518	7.346047223		
ENSG00000170915	0.618858	0.720359687	-0.043895862	-1.030893903	**PAQR8**	protein_coding	progestin and adipoQ receptor family member 8 [Source:HGNC Symbol;Acc:HGNC:15708]	chr6	52361421	52407777	1	ensembl_havana	5.471967893	5.493915823	5.450019962	5.714185096	5.556642459	5.210919784	5.591664658	5.4047719	5.353623327
ENSG00000105355	0.618877	0.720359687	-0.049225089	-1.034709004	**PLIN3**	protein_coding	perilipin 3 [Source:HGNC Symbol;Acc:HGNC:16893]	chr19	4838341	4867

					karyopherin subunit alpha 6 [Source:HGNC																
ENSG00000025800	0.899516	0.932276177	-0.007498246	-1.005210918	**KPNA6**	protein_coding	Symbol;Acc:HGNC:6399]	chr1	32108038	32176568	1	ensembl_havana	5.468345276	5.472094399	5.464596153	5.564630185	5.411733235	5.439919778	5.551573784	5.462919971	5.379294705
					phosphodiesterase 8A [Source:HGNC Symbol;Acc:HGNC:8793]																
ENSG00000073417	0.899704	0.932295563	0.007434457	1.005166473	**PDE8A**	protein_coding		chr15	84980440	85139145	1	ensembl_havana	5.896892176	5.893174948	5.900609405	5.78877254	5.908663504	5.982089263	5.844860338	5.925017017	5.931930858
					ankyrin repeat domain 39 [Source:HGNC																
ENSG00000231337	0.899669	0.932295563	-0.009445557	-1.006568641	**ANKRD39**	protein_coding	Symbol;Acc:HGNC:28640]	chr2	96836611	96858095	-1	ensembl_havana	2.296518542	2.301241321	2.291795764	2.298074107	2.324608835	2.28104102	2.187709208	2.278988373	2.40868971
ENSG00000272288	0.900227	0.932769877	0.026682262	1.018666822	**AL451165.2**	antisense		chr6	34696317	34697470	1	havana	1.201503841	1.18816271	1.214844972	1.411140715	1.351455576	1.80189684	1.541278047	1.841392961	1.261863909
					natriuretic peptide receptor 2 [Source:HGNC																
ENSG00000159899	0.900499	0.932849704	0.011655988	1.008112041	**NPR2**	protein_coding	Symbol;Acc:HGNC:7944]	chr9	3579254	3580932	1	ensembl_havana	2.960131177	2.954303183	2.969599171	2.807536027	3.217002812	2.83187071	2.863936192	3.029255182	3.004686139
					AF10 like matrix AAA peptidase subunit 1, pseudogene		[Source:HGNC Symbol;Acc:HGNC:314]														
ENSG00000223959	0.900473	0.932849704	0.007547774	1.005245428	**AF10L1P**	transcribed_unitary_pseudogene		chr16	89972586	90002161	1	havana	4.851330911	4.847537025	4.855084798	4.896319557	4.862875433	4.810116083	4.816788636	4.867738128	4.880747632
					aldo-keto reductase family 7 like (gene/pseudogene)		[Source:HGNC Symbol;Acc:HGNC:24056]														
ENSG00000221454	0.900407	0.932849704	-0.026638306	-1.018635785	**AKR7L**	polymorphic_pseudogene		chr1	19265982	19274194	-1	ensembl_havana	-0.326182915	-0.312863762	-0.339502068	-0.10791135	-0.340076431	-0.489915621	0.141952326	-0.916964677	-0.223511759
					MAPKAPK5 antisense RNA 1 [Source:HGNC																
ENSG00000234608	0.900625	0.93288582	-0.019433941	-1.009355187	**MAPKAPK5-AS1**	lincRNA	Symbol;Acc:HGNC:24091]	chr12	111839764	111842902	-1	havana	4.038405059	4.04512203	4.031688088	4.056348749	4.026845049	3.928762386	4.10245683		
					BRCA1 associated ATM activator 1 [Source:HGNC																
ENSG00000106009	0.900664	0.93288582	-0.018400611	-1.012836015	**BRAT1**	protein_coding	Symbol;Acc:HGNC:26705]	chr7	2537877	2555727	-1	ensembl_havana	5.064800935	5.07400124	5.055630629	5.048737498	4.911476265	5.261789957	5.26122048	5.038075104	4.867506304
ENSG00000113758	0.901112	0.933282648	-0.016740409	-1.01167115	**DBN1**	protein_coding	drebrin 1 [Source:HGNC Symbol;Acc:HGNC:2695]	chr5	177456608	177474401	-1	ensembl_havana	4.19166747	4.200013674	4.183277266	4.1693168	4.129780342	4.30095588	4.459871476	4.089479328	4.002480991
ENSG00000229267	0.901569	0.933640866	0.018593768	1.012971629	**AC016768.1**	antisense		chr2	214832229	214863274	1	havana	-0.170836032	-0.180132916	-0.363539148	-0.617385533	-0.569828728	0.004793334	-0.221652287	-0.682542559	-0.182871985
					mitochondrial ribosomal protein S21 [Source:HGNC																
ENSG00000266472	0.901588	0.933640866	0.007830856	1.005642694	**MRPS21**	protein_coding	Symbol;Acc:HGNC:14046]	chr1	150293720	150308979	-1	ensembl_havana	4.297304949	4.293189521	4.301020377	4.290821549	4.263765282	4.221654626	4.273253219	4.313793865	4.316014048
					sarcosine dehydrogenase [Source:HGNC																
ENSG00000123453	0.901739	0.933730801	-0.02410891	-1.016851433	**SARDH**	protein_coding	Symbol;Acc:HGNC:10536]	chr9	13663560	13739955	-1	ensembl_havana	-0.127443487	-0.115389032	-0.139497942	0.10902545	-0.18055577	-0.274636777	-0.04612063	-0.57414696	0.201773757
					myosin heavy chain 9 [Source:HGNC Symbol;Acc:HGNC:7579]																
ENSG00000100345	0.90184	0.93376789	0.009252858	1.006434204	**MYH9**	protein_coding		chr22	36281277	36388067	-1	ensembl_havana	8.6985419	8.699915471	8.703168329	8.764432713	8.645073386	8.672241334	8.850235871	8.720169772	8.539099344
					TBC1 domain family member 32 [Source:HGNC																
ENSG00000146350	0.901999	0.933797517	0.011577555	1.008053044	**TBC1D32**	protein_coding	Symbol;Acc:HGNC:21485]	chr6	121079494	121334745	-1	ensembl_havana	3.618567404	3.612781626	3.624353181	3.550741415	3.701342418	3.586261044	3.765462612	3.557419829	3.551013303
					failed axon connections homolog [Source:HGNC																
ENSG00000146267	0.901958	0.933797517	-0.008535034	-1.005933569	**FAXC**	protein_coding	Symbol;Acc:HGNC:20742]	chr6	99271169	99350062	-1	ensembl_havana	3.20351548	3.207782997	3.199247963	3.032160045	3.273440031	3.317748913	3.309124716	3.151488815	3.337130558
					cyclin G associated kinase [Source:HGNC																
ENSG00000178950	0.902168	0.933870762	0.014361218	1.010004148	**GAK**	protein_coding	Symbol;Acc:HGNC:4113]	chr4	849276	932373	-1	ensembl_havana	6.187978152	6.180797543	6.195158761	6.372211202	5.980879167	6.189302265	6.460875953	6.197282775	5.927317554
					actin binding LIM protein 1 [Source:HGNC																
ENSG00000099204	0.9022	0.933870762	-0.008800667	-1.005979334	**ABLIM1**	protein_coding	Symbol;Acc:HGNC:76]	chr10	114431113	114685803	-1	ensembl_havana	5.522968951	5.522760284	5.518668617	5.342617256	5.483765825	5.755424771	5.380505383	5.543662886	5.625837481
					GRB2 associated regulator of MAPK1 subtype 2		[Source:HGNC Symbol;Acc:HGNC:27172]														
ENSG00000157833	0.90227	0.933876239	-0.008745038	-1.006080007	**GAREM2**	protein_coding		chr2	26173091	26189663	1	ensembl_havana	3.279259249	3.283631768	3.274886729	3.218719635	3.321074063	3.311101606	3.326412816	3.210869813	3.287377559
					CD320 molecule [Source:HGNC Symbol;Acc:HGNC:16692]																
ENSG00000167775	0.902381	0.933924191	-0.009683862	-1.00673492	**CD320**	protein_coding		chr19	8302127	8308356	-1	ensembl_havana	4.750139794	4.754981725	4.745297863	4.642055159	4.711581445	4.93137387	4.750371495	4.733795168	4.751726925
					FLVCR1 antisense RNA 1 (head to head) [Source:HGNC																
ENSG00000198468	0.902557	0.934038662	0.007808926	1.00542741	**FLVCR1-AS1**	lincRNA	Symbol;Acc:HGNC:39077]	chr1	212852108	212858088	-1	havana	3.47273628	3.468833817	3.476640743	3.461535265	3.464329594	3.430855953	3.538866404	3.385963185	3.50511264
					cytosolic thioesterase subunit 2 [Source:HGNC																
ENSG00000174177	0.902656	0.934073214	-0.019591773	-1.013672609	**CTU2**	protein_coding	Symbol;Acc:HGNC:28005]	chr16	88706463	88715386	-1	ensembl_havana	3.190189393	3.19998528	3.180393506	3.109701981	2.983208668	3.507045191	3.427522837	3.007092508	3.106565174
ENSG00000248015	0.903137	0.93450448	0.008302209	1.005771243	**AC005329.1**	antisense		chr19	1392170	1396467	-1	havana	3.222364549	3.218013445	3.226315654	3.237753348	3.237554194	3.350533652	3.199611706	3.19134646	3.290988795
					abhydrolase domain containing 14A [Source:HGNC																
ENSG00000248487	0.903249	0.934534073	-0.010705969	-1.007448415	**ABHD14A**	protein_coding	Symbol;Acc:HGNC:26518]	chr3	51971426	51981199	1	ensembl_havana	1.950464544	1.950817529	1.945111559	1.843172741	2.061651132	1.962628713	1.986385747	2.072520377	1.776428555
					interleukin 15 receptor subunit alpha [Source:HGNC																
ENSG00000134470	0.903328	0.934567013	-0.008886436	-1.006178617	**IL15RA**	protein_coding	Symbol;Acc:HGNC:5976]	chr10	5943639	5978187	-1	ensembl_havana	5.522806524	5.533149842	5.524263406	5.564630185	5.529381289	5.505438052	5.669416198	5.526625994	5.376748026
					coiled-coil domain containing 122 [Source:HGNC																
ENSG00000151773	0.903857	0.934903497	0.012850553	1.008947113	**CCDC122**	protein_coding	Symbol;Acc:HGNC:26478]	chr13	43823909	43879727	-1	ensembl_havana	-0.207288309	-0.213723586	-0.200873033	-0.41068387	-0.143136894	-0.087349994	-0.573979557	-0.19956768	0.17074815
					CDBW domain containing 4 pseudogene [Source:HGNC																
ENSG00000204778	0.903855	0.934903497	-0.018709665	-1.013053008	**CBWD4P**	unprocessed_pseudogene	Symbol;Acc:HGNC:18520]	chr9	65287914	65323015	-1	havana	0.224753655	0.234108487	0.215398822	0.267303752	-0.002471726	0.436099436	-0.08868711	-0.04318487	0.77644845
					ELOA antisense RNA 1 [Source:HGNC																
ENSG00000236810	0.903914	0.934903497	-0.021572617	-1.015065354	**ELOA-AS1**	antisense	Symbol;Acc:HGNC:50582]	chr1	23760382	23778287	-1	havana	1.135390395	1.146176704	1.124604086	0.872903038	1.270574017	1.295053056	0.894226935	0.821218834	1.65837449
ENSG00000231551	0.903849	0.934903497	-0.027299126	-1.019102474	**AC245100.4**	transcribed_unprocessed_pseudogene		chr1	148402516	148432545	1	havana	0.14550865	0.159158213	0.131859087	0.267303752	0.52486995	-0.315199064	0.369838092	-0.08087422	0.106620565
					chromosome 17 open reading frame 53 [Source:HGNC																
ENSG00000125319	0.904203	0.935135688	0.010538063	1.007331171	**C17orf53**	protein_coding	Symbol;Acc:HGNC:28460]	chr17	44143906	44162476	1	ensembl_havana	4.352634393	4.347365362	4.357903425	4.10133777	4.569418678	4.371339638	4.24890024	4.39796187	4.426848166
ENSG00000107014	0.904274	0.935141562	0.025188576	1.017753777	**RLN2**	protein_coding	relaxin 2 [Source:HGNC Symbol;Acc:HGNC:10027]	chr9	5299868	5304969	-1	ensembl_havana	0.006291992	-0.006402296	0.01898628	-0.61730533	0.185737694	0.412166075	-0.04612063	0.063570082	0.039503983
					exosome component 4 [Source:HGNC																
ENSG00000178896	0.904476	0.935282552	-0.007013413	-1.004873177	**EXOSC4**	protein_coding	Symbol;Acc:HGNC:18189]	chr8	144078626	144080647	-1	ensembl_havana	2.254356618	2.257863334	2.250849902	2.327223844	2.220801645	2.225566513	2.294679948	2.271570328	2.186299428
					zinc finger protein 623 [Source:HGNC																
ENSG00000183309	0.904841	0.93545841	0.008541042	1.009317758	**ZNF623**	protein_coding	Symbol;Acc:HGNC:29084]	chr8	143636013	143656418	1	ensembl_havana	5.430854033	5.426581512	5.435124554	5.430208822	5.400690482	5.449031232	5.357376294	5.535166639	5.412827229
ENSG00000260123	0.904749	0.93545841	-0.022490643	-1.015324326	**AC013265.1**	lincRNA		chr15	88041223	88082819	1	havana	0.546892451	0.559862772	0.533522891	0.517922129	0.41082706	0.760396981	0.508464275	0.307317292	0.479787605
					TNF superfamily member 13b [Source:HGNC																
ENSG00000102524	0.904813	0.9354584	-0.025229399	-1.017994241	**TNFSF13B**	protein_coding	Symbol;Acc:HGNC:11929]	chr13	108251240	108308484	1	ensembl_havana	-0.280912206	-0.268067507	-0.293790606	-0.51202874	0.063031038	-0.356934859	-0.51701327	-0.47098602	0.106620565
ENSG00000227252	0.905155	0.935715607	0.008153904	1.005667857	**AC105760.2**	antisense		chr2	237059434	237085817	-1	havana	0.883942333	0.879865381	0.888010285	0.991032971	0.670926629	1.029209544	0.894226935	0.880742365	0.969088554
					Dnal heat shock protein family (Hsp40) member B1																
ENSG00000132002	0.905646	0.93615612	0.00672922	1.004675235	**DNAJB1**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:5270]	chr19	14514770	14529770	-1	ensembl_havana	6.135629062	6.132264452	6.138993672	5.992997105	6.330497282	6.072328967	6.012156889	6.366991075	6.037833252
					interferon regulatory factor 3 [Source:HGNC																
ENSG00000126456	0.906119	0.936577787	0.010310118	1.007172026	**IRF3**	protein_coding	Symbol;Acc:HGNC:6118]	chr19	49659569	49665875	-1	ensembl_havana	6.660843453	6.655688394	6.665998512	6.621266995	6.563711508	6.782086683	6.683526521	6.705531266	6.608937748
ENSG00000235423	0.906945	0.937363828	0.025219712	1.017634673	**AC068768.1**	antisense		chr12	123252030	123261483	-1	havana	0.144266886	0.13165702	0.156876752	0.040274975	0.477608744	-0.122912658	0.64332197	0.225896484	-0.398588198
ENSG00000196411	0.907026	0.937397567	-0.022555868	-1.015757395	**EPHB4**	protein_coding	EPH receptor B4 [Source:HGNC Symbol;Acc:HGNC:3395]	chr7	100802565	100827521	-1	ensembl_havana	-0.180809123	-0.369531189	-0.39208707	-1.070289	-0.569826728	0.531522158	-0.75894329	-0.42206346	0.004765582
					keratinocyte associated protein 2 [Source:HGNC																
ENSG00000163463	0.907601	0.93790684	-0.007506893	-1.005216943	**KRTCAP2**	protein_coding	Symbol;Acc:HGNC:28942]	chr1	155169408	155173475	-1	ensembl_havana	3.39622211	3.399975556	3.392468663	3.4316494	3.514949665	3.253327603	3.487731073	3.43118562	3.276492296
					cytochrome P450 family 2 subfamily D member 6		[Source:HGNC Symbol;Acc:HGNC:2625]														
ENSG00000100197	0.907809	0.938054208	0.034262633	1.024033302	**CYP2D6**	protein_coding		chr22	42126499	42130906	-1	ensembl_havana	-0.17729138	-0.194422696	-0.160160063	-0.56281016	-0.218971072	0.198531345	0.276538753	-0.57414696	-0.182871985
					GRB2 associated binding protein 1 [Source:HGNC																
ENSG00000109458	0.908034	0.938064422	0.0086317	1.006000972	**GAB1**	protein_coding	Symbol;Acc:HGNC:4065]	chr4	143336762	143474568	1	ensembl_havana	3.652313009	3.647997159	3.656628859	3.566106478	3.721768224	3.656116775	3.700223929	3.611304352	3.658582295
					MIER1 transcriptional regulator [Source:HGNC																
ENSG00000198160	0.908008	0.938064422	0.007704637	1.005354733	**MIER1**	protein_coding	Symbol;Acc:HGNC:29657]	chr1	66924895	66988619	1	ensembl_havana	5.382222946	5.378370628	5.386075265	5.448386336	5.491964852	5.194760696	5.430479178	5.4233008	5.304458516
					PRELI domain containing 1 [Source:HGNC																
ENSG00000169230	0.908029	0.938064422	0.007601279	1.005282709	**PRELID1**	protein_coding	Symbol;Acc:HGNC:30255]	chr5	177303774	177306959	1	ensembl_havana	6.477734014	6.473933375	6.481534653	6.424148179	6.525371694	6.472282251	6.446670444	6.438252007	6.559641509
					family with sequence similarity 122B [Source:HGNC																
ENSG00000156504	0.90808	0.938064422	-0.006812117	-1.004732965	**FAM122B**	protein_coding	Symbol;Acc:HGNC:30493]	chrX	134769566	134797232	-1	ensembl_havana	6.138868965	6.142075024	6.135262907	6.014437823	6.196441797	6.215345453	5.984515258	6.151541993	6.27009347
ENSG00000119842	0.908406	0.938132904	0.006798989	1.004723822	**CUL4A**	protein_coding	cullin 4A [Source:HGNC Symbol;Acc:HGNC:2554]	chr13	113208193	113267108	1	ensembl_havana	6.607414467	6.604014973	6.610813962	6.568840123	6.612386679	6.630820137	6.54704133	6.585027131	6.700373423
ENSG00000026297	0.908522	0.938385951	-0.00736299	-1.005116682	**RNASET2**	protein_coding	ribonuclease T2 [Source:HGNC Symbol;Acc:HGNC:21686]	chr6	166929504	166957191	-1	ensembl_havana	3.40579425	3.408475745	3.402112754	3.318766373	3.402408479	3.687251381	3.221855697	3.368684571	3.615797995
					nuclear receptor coactivator 2 [Source:HGNC																
ENSG00000140396	0.90949	0.939317824	0.007125044	1.004950919	**NCOA2**	protein_coding	Symbol;Acc:HGNC:7669]	chr8	70109762	70403805	-1	ensembl_havana	6.089788827	6.086226305	6.093351349	6.152146162	6.134943235	5.971585959	6.095325314	6.125032222	6.05969651
					HECT and RLD domain containing E3 ubiquitin protein ligase																
ENSG00000103657	0.909775	0.939544508	-0.008271054	-1.005749523	**HERC1**	protein_coding	family member 1 [Source:HGNC Symbol;Acc:HGNC:4867]	chr15	63608618	63831942	-1	ensembl_havana	7.831430213	7.83556574	7.827296486	7.92297977	7.621406051	7.962314	7.885459643	7.741210569	7.855207846
					RWD domain containing 2B [Source:HGNC																
ENSG00000156253	0.910326	0.940001114	-0.010632369	-1.00739702	**RWDD2B**	protein_coding	Symbol;Acc:HGNC:1302]	chr21	29004384	29019378	-1	ensembl_havana	3.932040744	3.937356929	3.926724656	3.741463211	4.110545596	3.96006198	3.578473489	4.046776082	4.154924108
					dynamin 1 pseudogene 51 [Source:HGNC																
ENSG00000235370	0.910348	0.940001114	-0.02528026	-1.017677369	**DNM1P51**	transcribed_unprocessed_pseudogene	Symbol;Acc:HGNC:48500]	chr15	84398316	84411701	-1	havana	1.297093736	1.309713867	1.284453606	1.464591378	0.945375194	1.519235028	1.444517675	1.44975459	0.969088554
					Rac family small GTPase 1 [Source:HGNC																
ENSG00000136238	0.910646	0.940241731	-0.006483749	-1.004504306	**RAC1**	protein_coding	Symbol;Acc:HGNC:9801]	chr7	6374523	6401977	1	ensembl_havana	8.80957053	8.812812405	8.806328656	8.595485367	8.887955232	8.954996616	8.64158997	8.85625613	8.921139867
ENSG00000160213	0.910839	0.940372574	0.006435647	1.004470815	**CSTB**	protein_coding	cystatin B [Source:HGNC Symbol;Acc:HGNC:2482]	chr21	43772511	43776445	-1	ensembl_havana	5.772254168	5.724036345	5.736047992	5.812802026	5.644855307	5.714451703	5.802958696	5.708305717	5.688101563
ENSG00000229739	0.911055	0.940528567	0.0101039	1.007028071	**AL596220.1**	antisense		chr1	186435161	186470291	1	havana	0.244857113	0.239805163	0.249909063	0.237415364	0.09469996	0.387300166	0.276538753	-0.08087422	0.554062661
					TAR DNA binding protein [Source:HGNC																
ENSG00000120948	0.911327	0.940741823	-0.007403495	-1.005144901	**TARDBP**	protein_coding	Symbol;Acc:HGNC:11571]	chr1	11012344	11026420	1	havana	7.183081	7.186782748	7.179379253	7.16027422	7.243329196	7.175752062	7.153631163	7.144456348	7.240050248
					CDC like kinase 4 [Source:HGNC Symbol;Acc:HGNC:13659]																
ENSG00000113240	0.911796	0.94115809	0.006705999	1.004659064	**CLK4**	protein_coding		chr5	178602664	178630615	-1	ensembl_havana	5.500245707	5.496892708	5.503598706	5.552338628	5.630747727	5.307591768	5.52139269	5.602495549	5.38690788
ENSG00000273226	0.912105	0.941198618	0.016911192	1.011790916	**AL391834.2**	antisense		chr9	19375451	19375996	1	havana	-0.066261751	-0.074717347	-0.057806155	0.326725152	-0.106664058	-0.444231105	0.141952326	-0.284494616	-0.030876629
					transmembrane protein 179B [Source:HGNC																
ENSG00000185475	0.912078	0.941198618	0.012342192	1.008591654	**TMEM179B**	protein_coding	Symbol;Acc:HGNC:33744]	chr11	62787415	62790405	1	ensembl_havana	3.280649981	3.274678885	3.286821077	3.175296617	3.363904242	3.284201795	3.387181409	3.318790384	3.354491438
					ALG11, alpha-1,2-mannosyltransferase [Source:HGNC																
ENSG00000176273	0.912163	0.941198618	0.007657448	1.00532185	**ALG11**	protein_coding	Symbol;Acc:HGNC:24482]	chr13	52012398	52029664	1	ensembl_havana	3.677197184	3.67336846	3.681025908	3.614200975	3.643632949	3.762269355	3.617041156	3.756537757	3.669488311
					Kruppel like factor 13 [Source:HGNC																
ENSG00000169926	0.911968	0.941198618	0.006560201	1.004557539	**KLF13**	protein_coding	Symbol;Acc:HGNC:13672]	chr15	31326855	31435665	-1	ensembl_havana	3.753786486	3.754587385	3.756147587	3.759146784	3.710009264	3.572106108	3.611553236	3.755555259	3.516334265
					EEF1A lysine methyltransferase 4 [Source:NCBI																
ENSG00000284753	0.911929	0.941198618	-0.009063965	-1.006302439	**EEF1AKMT4**	protein_coding	gene:110599564]	chr3	184249650	184259585	-1	ensembl_havana	1.80595793	1.810489912	1.801425947	1.833046887	1.759729761	1.838693088	1.729053466	1.919554095	1.755670283
					nuclear receptor subfamily 1 group D member 1		[Source:HGNC Symbol;Acc:HGNC:7962]														
ENSG00000126368	0.912848	0.941769567	-0.006848554	-1.004504867	**NR1D1**	protein_coding		chr17	40092787	40100725	-1	ensembl_havana	2.347097231	2.350339508	2.343854954	2.31999144	2.277093311	2.453933774	2.278730383	2.24151074	2.511323741
					solute carrier family 35 member E3 [Source:HGNC																
ENSG00000175782	0.912828	0.941769567	-0.01183278	-1.008235586	**SLC35E3**	protein_coding	Symbol;Acc:HGNC:20864]	chr12	68746106	68793964	1	ensembl_havana	3.618487321	3.624403711	3.612570931	3.513183533	3.67277622	3.687251381	3.654604579	3.76448673	3.418621485
					chorionic gonadotropin beta subunit 2 [Source:HGNC																
ENSG00000104818	0.912955	0.941810728	0.011760271	1.008184914	**CGB2**	protein_coding	Symbol;Acc:HGNC:16722]	chr19	49031912	49033238	1	ensembl_havana	0.992752596	0.98682746	0.998632731	0.857699845	1.245545533	0.693803314	1.056549347		
					adaptor related protein complex 3 mu 2 subunit		[Source:HGNC Symbol;Acc:HGNC:570]														
ENSG00000070718	0.913019	0.941810728	0.007393575	1.00513799	**AP3M2**	protein_coding		chr8	42152946	42171673	1	ensembl_havana	5.315669412	5.311972625	5.319166Z	5.307194275	5.322602517	5.305921083	5.248993932	5.285544945	5.423560262
					transmembrane protein 135 [Source:HGNC																
ENSG00000166575	0.913595	0.942305423	0.01264872	1.008805971	**TMEM135**	protein_coding	Symbol;Acc:HGNC:26167]	chr11	87037844	87323758	1	ensembl_havana	4.639677512	4.633353152	4.646001872	4.870857415	4.624658072	4.404503969	4.737301003	4.498299319	4.702410695
					COBW domain containing 1 [Source:HGNC																
ENSG00000172785	0.913629	0.942305423	-0.009801791	-1.006817216	**CBWD1**	protein_coding	Symbol;Acc:HGNC:17134]	chr9	121038	179147	-1	ensembl_havana	5.726376218	5.731277113	5.721475322	5.749721265	5.759197958	5.748492284	5.795971958	5.701736297	5.666717712
					zinc finger protein 425 [Source:HGNC																
ENSG00000204947	0.913723	0.942334741	0.015676156	1.010925131	**ZNF425**	protein_coding	Symbol;Acc:HGNC:28069]	chr7	149102784	149126346	-1	ensembl_havana	1.209102427	1.201264349	1.216945405	1.091533711	1.402954459	1.108304877	1.430149367	1.097781778	1.12289037
					small ubiquitin-like modifier 2 [Source:HGNC																
ENSG00000188612	0.914022	0.942575255	-0.00723458	-1.005027226	**SUMO2**	protein_coding	Symbol;Acc:HGNC:11125]	chr17	75165586	75182863	-1	ensembl_havana	7.526486776	7.530104068	7.522869484	7.475902408	7.479112678	7.523302249	7.566175525		
					eukaryotic elongation factor 2 lysine methyltransferase		[Source:HGNC Symbol;Acc:HGNC:32221]														
ENSG00000118894	0.914176	0.942666038	0.010882781	1.007641734	**EEF2KMT**	protein_coding	long intergenic non-protein coding RNA 641 [Source:HGNC	chr16	5084304	5097808	-1	ensembl_havana	3.432920771	3.42742938	3.438412161	3.191237175	3.341016834	3.75003413	3.375880585	3.406428015	3.532829904
ENSG00000258441	0.914242	0.942666038	-0.006620907	-1.00459981	**LINC00641**	processed_transcript	Symbol;Acc:HGNC:27511]	chr14	21200079	21206900	-1	havana	0.164982167	0.168292621	0.161671714	0.298201297	0.022726595	0.183949971	0.211680943	0.046776082	0.224558116
					GC-rich promoter binding protein 1 [Source:HGNC																
ENSG00000062194	0.914735	0.943106602	0.007077049	1.004917488	**GPBP1**	protein_coding	Symbol;Acc:HGNC:29520]	chr5	57173948	57264679	1	ensembl_havana	7.145983004	7.142444479	7.149521528	7.147427777	7.228677566	7.057234094	7.108945861	7.172856354	7.166762369
					dynactin subunit 2 [Source:HGNC Symbol;Acc:HGNC:2712]																
ENSG00000175203	0.91515	0.943467189	0.008572305	1.004565967	**DCTN2**	protein_coding		chr12	57530102	57547331	-1	ensembl_havana	8.431383111	8.428096959	8.434669264	8.451890775	8.383168154	8.527167163	8.453537297	8.323033331	
					RNA pseudouridylate synthase domain containing 4																
ENSG00000165526	0.91538	0.94363629	0.0078523	1.005457638	**RPUSD4**	protein_coding	[Source:HGNC Symbol;Acc:HGNC:25896]	chr11	126202094	126211692	-1	ensembl_havana	5.764751866	5.760825716	5.768676116	5.69266651	5.793374075	5.796456563	5.831999025	5.698978815	5.775121207
ENSG00000166147	0.916051	0.944260695	-1.00782349	**CBWD4P**	fibrillin 1 [Source:HGNC Symbol;Acc:HGNC:3603]	chr15	48408306	48645869	-1	ensembl_havana

ENSG00000152193	0.997909	0.998609754	0.000148321	1.000102813	**RNF219**	protein_coding	ring finger protein 219 [Source:HGNC Symbol;Acc:HGNC:20308]	chr13	78614291	78659179	-1	ensembl_havana	5.199096793	5.199022633	5.199170954	5.063969978	5.393546673	5.139551247	5.093565039	5.352994524	5.150953298
ENSG00000228463	0.997914	0.998609754	-0.000544155	-1.000077251	**AP000222.1**	transcribed_processed_pseudogene		chr1	257864	359881	-1	havana	0.244136219	0.244408296	0.243864141	0.267803752	0.15603554	0.309395597	-0.17198403	0.87143284	0.232146171
ENSG00000162692	0.998079	0.99870526	-0.000340273	-1.000235887	**VCAM1**	protein_coding	vascular cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:12663]	chr1	100719742	100739045	1	ensembl_havana	5.813698828	5.813868965	5.813528692	5.344405588	6.018516041	6.078690266	5.69292562	5.925607926	5.822052529
ENSG00000147123	0.998207	0.99876327	-0.000308422	-1.000213805	**NDUFB11**	protein_coding	NADH:ubiquinone oxidoreductase subunit B11 [Source:HGNC Symbol;Acc:HGNC:20372]	chrX	47142216	47145504	-1	ensembl_havana	5.05455809	5.054712301	5.054403879	5.090777137	4.917022721	5.156337047	5.323765864	5.024899564	4.83454621
ENSG00000272217	0.998647	0.999064271	0.000165151	1.000114481	**AL645940.1**	lincRNA		chr6	33246075	33246856	-1	havana	1.676743636	1.67666106	1.676826211	1.863213701	1.636045198	1.530724282	1.669136731	1.637380031	1.723961872
ENSG00000161654	0.998616	0.999064271	-0.00021372	-1.000162015	**LSM12**	protein_coding	LSM12 homolog [Source:HGNC Symbol;Acc:HGNC:26407]	chr17	44034635	44067619	-1	ensembl_havana	2.422707931	2.422824791	2.422591071	2.237945898	2.494491223	2.536037252	2.555188851	2.226242768	2.486341593
ENSG00000088305	0.998808	0.999085917	0.000167888	1.000116378	**DNMT3B**	protein_coding	DNA methyltransferase 3 beta [Source:HGNC Symbol;Acc:HGNC:2979]	chr20	32762385	32809356	1	ensembl_havana	4.251846577	4.251762633	4.251930521	3.917098313	4.238324537	4.599865049	4.104813841	4.315598395	4.335379327
ENSG00000141232	0.998788	0.999085917	-0.000117693	-1.000081582	**TOB1**	protein_coding	transducer of ERBB2, 1 [Source:HGNC Symbol;Acc:HGNC:11979]	chr17	50862223	50867978	-1	ensembl_havana	5.413783372	5.413842218	5.413724525	5.399476077	5.658166043	5.183886535	5.488834672	5.506228494	5.246110409
ENSG00000173214	0.999392	0.99960118	-6.13E-05	-1.000042523	**MFSD4B**	protein_coding	major facilitator superfamily domain containing 4B [Source:HGNC Symbol;Acc:HGNC:21053]	chr6	111259348	111271167	1	ensembl_havana	3.374938079	3.374968752	3.374907405	3.283361026	3.252533942	3.58901129	3.209288915	3.416552589	3.498880712
ENSG00000234545	0.999544	0.999683102	-3.32E-05	-1.000023043	**FAM133B**	protein_coding	family with sequence similarity 133 member B [Source:HGNC Symbol;Acc:HGNC:28629]	chr7	92560793	92590394	-1	havana	3.598491849	3.598508471	3.598475227	3.528951643	3.597402489	3.66917128	3.522008388	3.649006201	3.624411092
ENSG00000211551	0.999704	0.999774049	-2.19E-05	-1.000015181	**DNAJC9**	protein_coding	DnaJ heat shock protein family (Hsp40) member C9 [Source:HGNC Symbol;Acc:HGNC:19123]	chr10	73183362	73248862	-1	ensembl_havana	5.880193096	5.880204047	5.880182145	5.923118631	5.898605706	5.818887803	5.86302538	5.94613872	5.831382334
ENSG00000197265	0.999914	0.999914363	9.14E-06	1.000006339	**GTF2E2**	protein_coding	general transcription factor IIE subunit 2 [Source:HGNC Symbol;Acc:HGNC:4651]	chr8	30578318	30658251	-1	ensembl_havana	4.567729607	4.567725035	4.56773418	4.563081813	4.600084112	4.540009178	4.538998785	4.456379573	4.707824182