

Figure S1. The total RNA from EV, EV ProteinaseK/Rnase A/T1 and astrocyte cells of another human adult astrocyte (Cell applications Inc.-882A-05) were isolated. The RT-qPCR was done using Brilliant III SYBR green. The Ct values are normalized using amount of cDNA used for qPCR and inverted to represent the relative quantification. All miRNAs tested were found to be higher in cells than EVs in the miRNA-seq data. With the exception of miR-9-5p which is highest in ProteinaseK/RNase A/T1 treated EVs, all the miRNA tested were preferentially cellular.

Method:

Cell culture and EV production: Cells were grown in manufacturer provided medium then adapted to Innoprot complete medium. EV isolation, Proteinase K /RNase treatment and RNA isolation were as described in main manuscript.

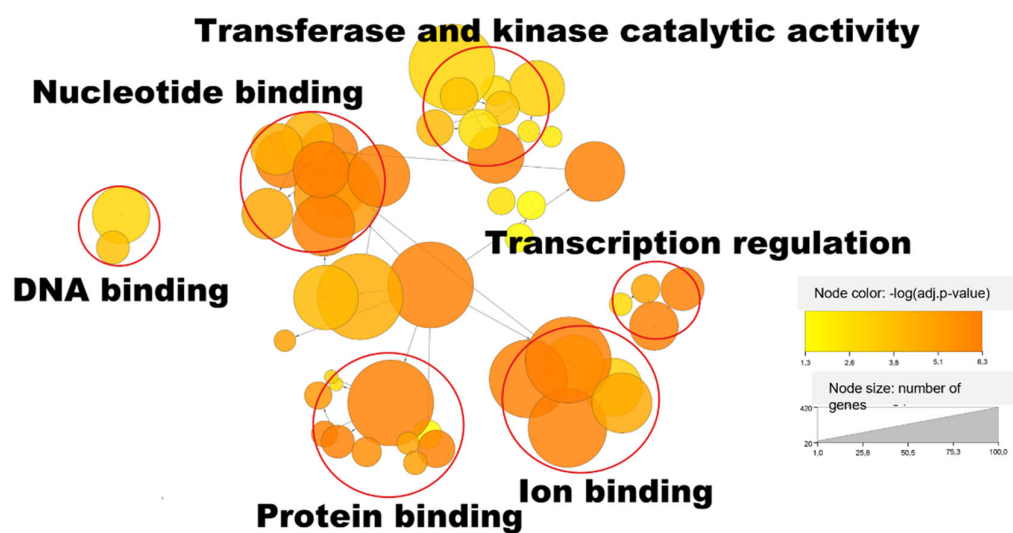
QPCR: 5µl of total RNA from EV-enriched and ProteinaseK /RNaseA/T1 treated fractions and 100 mg total RNA from cells were used for cDNA synthesis with Qiagen miRCURY cDNA synthesis kit, (no spike-in added).

Before QPCR cDNA yield were measured with Qubits 1xDNA kit (ThermoFisher). CDNA was diluted 1:40 and SYBR greenIII master mix (Agilent) was used with CFX96 thermal cycler (BioRAD), cycling conditions according to recommendation for LNA-primer (40 cycles). We corrected Ct values with amount of cDNA.

GeneGlobe ID: miRCURY LNA PCR primers

YP00204230 has-miR-21-5p
 YP00204513 hsa-miR-9-5p
 YP00204750 hsa-miRlet-7b-5p
 YP00204260 has-24-3p
 YP00206023 hsa-26a-5p
 YP00204521 has-99a-5p
 YP00205867 hsa-148a-3p

(a) Molecular Function preferentially secreted miRNA targets



(b) cellular miRNA target

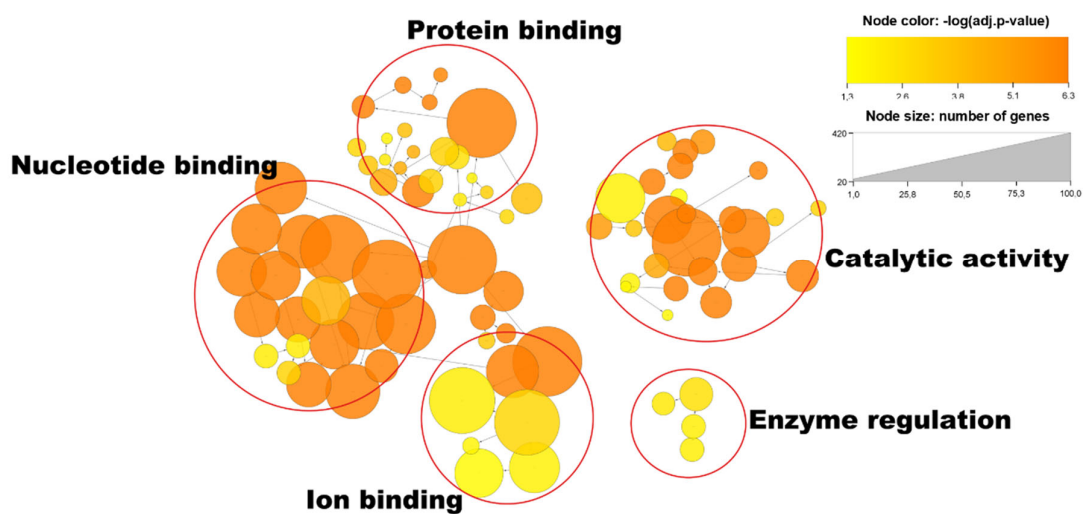


Figure S2. GO molecular function of (a) preferentially secreted miRNA targets (b) cellular miRNA targets.

Preferentially secreted miRNA target

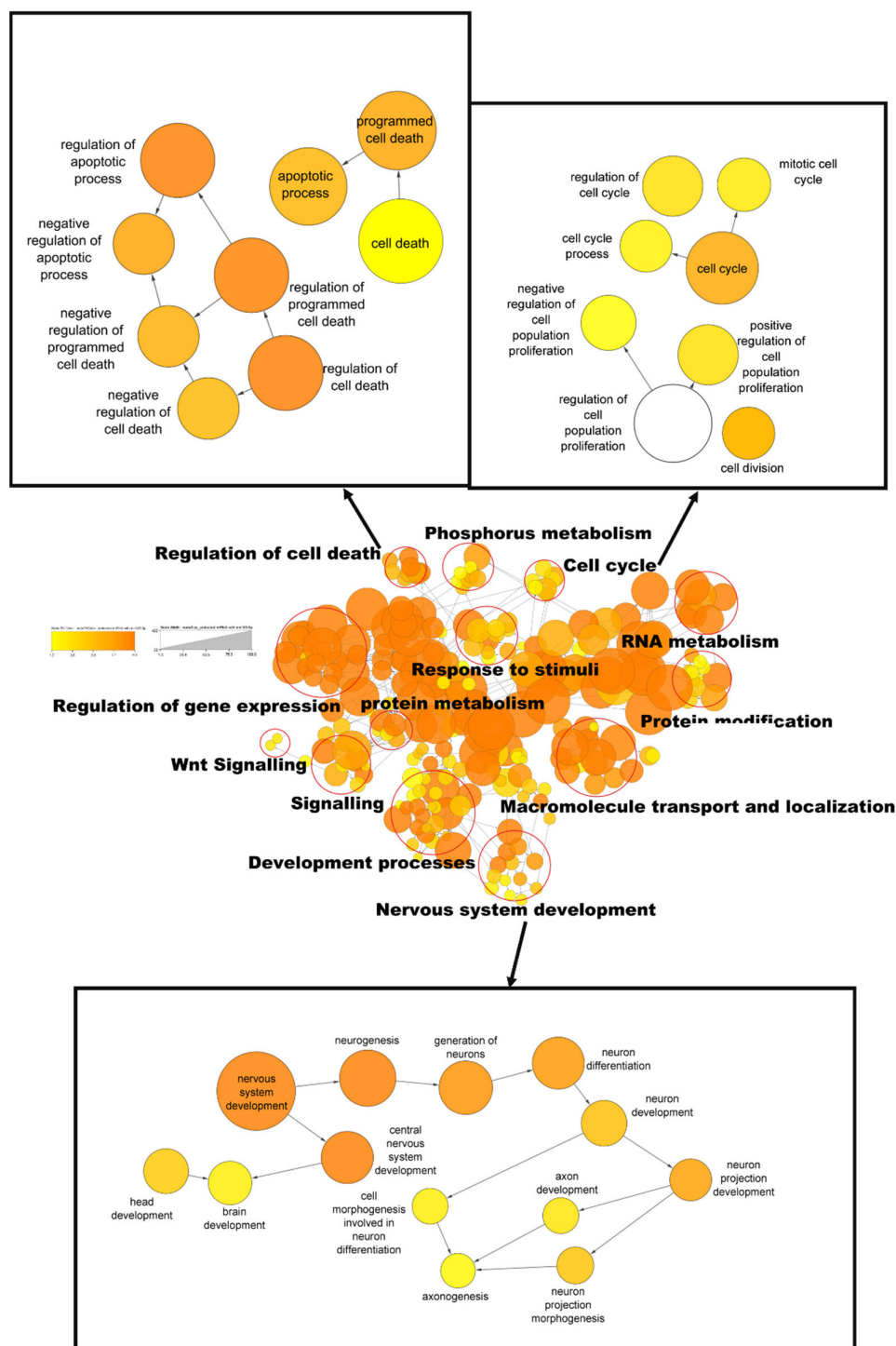


Figure S3. GO biological process of preferentially secreted miRNA targets.

Table S1. Astrocyte mRNA differentially expressed in cells switched to serum free medium for EV collection, compared to full medium with 2% FBS. 24 hour time point. (with cutoff of 0.25 -1.75 fold).

log2FoldChange	pvalue	padj	gene_name	gene_description
6,024426761	1,92E-05	9,79E-05	PTGDR2	prostaglandin D2 receptor 2 [Source:HGNC Symbol;Acc:HGNC:4502]
5,903303959	6,44E-06	3,52E-05	MC5R	melanocortin 5 receptor [Source:HGNC Symbol;Acc:HGNC:6933]
5,57609863	0,00015648	0,000689992	SGSM1	small G protein signaling modulator 1 [Source:HGNC Symbol;Acc:HGNC:29410]
5,498784631	0,000225193	0,000961242	C2CD4A	C2 calcium dependent domain containing 4A [Source:HGNC Symbol;Acc:HGNC:33627]
5,355542255	7,46E-05	0,000348818	MMP1	matrix metalloproteinase 1 [Source:HGNC Symbol;Acc:HGNC:7155]
5,330793359	0,000491287	0,001975532	DKK4	dickkopf WNT signaling pathway inhibitor 4 [Source:HGNC Symbol;Acc:HGNC:2894]
5,273937633	0,00011772	0,000532014	WISP2	WNT1 inducible signaling pathway protein 2 [Source:HGNC Symbol;Acc:HGNC:12770]
5,17603373	0,000950909	0,003610515	CCDC141	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]
5,046335776	0,000308441	0,001285262	MLXIPL	MLX interacting protein like [Source:HGNC Symbol;Acc:HGNC:12744]
4,893743879	0,000684637	0,002685845	ABCA6	ATP binding cassette subfamily A member 6 [Source:HGNC Symbol;Acc:HGNC:36]
4,833093918	0,000671547	0,002639133	MYO3B	myosin IIIB [Source:HGNC Symbol;Acc:HGNC:15576]
4,61322166	0,001664657	0,005997833	NR0B1	nuclear receptor subfamily 0 group B member 1 [Source:HGNC Symbol;Acc:HGNC:7960]
4,209464233	8,72E-49	3,79E-47	BRINP2	BMP/retinoic acid inducible neural specific 2 [Source:HGNC Symbol;Acc:HGNC:13746]
4,14395554	3,14E-56	1,63E-54	OLIG1	oligodendrocyte transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:16983]
4,098260245	9,88E-10	8,12E-09	VIPR2	vasoactive intestinal peptide receptor 2 [Source:HGNC Symbol;Acc:HGNC:12695]
4,045152398	0,010859416	0,031915468	GADL1	glutamate decarboxylase like 1 [Source:HGNC Symbol;Acc:HGNC:27949]
4,040260302	0	0	CALB1	calbindin 1 [Source:HGNC Symbol;Acc:HGNC:1434]
3,884674476	6,39E-56	3,29E-54	ADRA2B	adrenoceptor alpha 2B [Source:HGNC Symbol;Acc:HGNC:282]
3,851778745	2,95E-164	8,54E-162	MAP2K6	mitogen-activated protein kinase kinase 6 [Source:HGNC Symbol;Acc:HGNC:6846]
3,781991829	1,02E-07	6,96E-07	CA4	carbonic anhydrase 4 [Source:HGNC Symbol;Acc:HGNC:1375]
3,779053021	2,56E-20	4,18E-19	PLXDC1	plexin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20945]
3,755619602	7,33E-05	0,00034326	GABRB1	gamma-aminobutyric acid type A receptor beta1 subunit [Source:HGNC Symbol;Acc:HGNC:4081]
3,755154428	6,81E-10	5,69E-09	SNCB	synuclein beta [Source:HGNC Symbol;Acc:HGNC:11140]
3,737647022	0,000573558	0,002276636	MYRFL	myelin regulatory factor like [Source:HGNC Symbol;Acc:HGNC:26316]
3,706728864	2,64E-29	6,28E-28	OLIG2	oligodendrocyte transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:9398]
3,687092192	1,63E-05	8,42E-05	PRRG3	proline rich and Gla domain 3 [Source:HGNC Symbol;Acc:HGNC:30798]
3,674343799	1,56E-05	8,06E-05	SHH	sonic hedgehog [Source:HGNC Symbol;Acc:HGNC:10848]
3,558490156	1,65E-12	1,73E-11	CCK	cholecystokinin [Source:HGNC Symbol;Acc:HGNC:1569]
3,532473069	2,64E-10	2,29E-09	ERICH3	glutamate rich 3 [Source:HGNC Symbol;Acc:HGNC:25346]
3,522316194	3,80E-52	1,76E-50	ADCYAP1R1	ADCYAP receptor type I [Source:HGNC Symbol;Acc:HGNC:242]
3,479945055	8,96E-11	8,03E-10	CA10	carbonic anhydrase 10 [Source:HGNC Symbol;Acc:HGNC:1369]

3,47310001	0,000579658	0,002298965	NEU4	neuraminidase 4 [Source:HGNC Symbol;Acc:HGNC:21328]
3,453308079	5,16E-26	1,08E-24	TMPRSS2	transmembrane serine protease 2 [Source:HGNC Symbol;Acc:HGNC:11876]
3,444824636	9,45E-59	5,22E-57	CPNE5	copine 5 [Source:HGNC Symbol;Acc:HGNC:2318]
3,35543286	0,003626332	0,012114408	VWC2	von Willebrand factor C domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30200]
3,343667605	8,47E-09	6,42E-08	PCDHAC1	protocadherin alpha subfamily C, 1 [Source:HGNC Symbol;Acc:HGNC:8676]
3,330909049	3,40E-24	6,62E-23	NTSR1	neurotensin receptor 1 [Source:HGNC Symbol;Acc:HGNC:8039]
3,297461375	0,017957989	0,049324545	DSCAM	DS cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:3039]
3,275274791	1,07E-42	3,93E-41	SLC7A8	solute carrier family 7 member 8 [Source:HGNC Symbol;Acc:HGNC:11066]
3,248694225	5,79E-24	1,12E-22	DRD2	dopamine receptor D2 [Source:HGNC Symbol;Acc:HGNC:3023]
3,230315602	1,26E-27	2,79E-26	RUBCNL	RUN and cysteine rich domain containing beclin 1 interacting protein like [Source:HGNC Symbol;Acc:HGNC:20420]
3,214713593	0	0	SCG2	secretogranin II [Source:HGNC Symbol;Acc:HGNC:10575]
3,19837455	0,000203752	0,0008775	CBLN4	cerebellin 4 precursor [Source:HGNC Symbol;Acc:HGNC:16231]
3,164646177	0,007588926	0,023328164	CDH7	cadherin 7 [Source:HGNC Symbol;Acc:HGNC:1766]
3,151079499	8,36E-25	1,66E-23	HES5	hes family bHLH transcription factor 5 [Source:HGNC Symbol;Acc:HGNC:19764]
3,078845866	0,00021207	0,00091009	TACR1	tachykinin receptor 1 [Source:HGNC Symbol;Acc:HGNC:11526]
3,078516119	2,75E-28	6,28E-27	SEMA3E	semaphorin 3E [Source:HGNC Symbol;Acc:HGNC:10727]
3,057703774	0,00025532	0,001079371	RIMBP3	RIMS binding protein 3 [Source:HGNC Symbol;Acc:HGNC:29344]
3,056063664	8,17E-12	8,00E-11	CAMK1G	calcium/calmodulin dependent protein kinase IG [Source:HGNC Symbol;Acc:HGNC:14585]
3,018105459	0,01310987	0,037595705	KCNK9	potassium two pore domain channel subfamily K member 9 [Source:HGNC Symbol;Acc:HGNC:6283]
3,011969235	0,011212875	0,032844839	OSR2	odd-skipped related transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:15830]
2,960519906	0,002149355	0,007576818	GHRHR	growth hormone releasing hormone receptor [Source:HGNC Symbol;Acc:HGNC:4266]
2,9593304	0,013546609	0,038722271	PRSS2	serine protease 2 [Source:HGNC Symbol;Acc:HGNC:9483]
2,94845674	1,17E-30	2,94E-29	MAP1LC3C	microtubule associated protein 1 light chain 3 gamma [Source:HGNC Symbol;Acc:HGNC:13353]
2,944404114	3,84E-21	6,54E-20	DPP4	dipeptidyl peptidase 4 [Source:HGNC Symbol;Acc:HGNC:3009]
2,93635343	0,01441231	0,040788288	KLHL31	kelch like family member 31 [Source:HGNC Symbol;Acc:HGNC:21353]
2,930383925	1,90E-81	1,64E-79	UNC5D	unc-5 netrin receptor D [Source:HGNC Symbol;Acc:HGNC:18634]
2,899302525	5,73E-30	1,40E-28	PTGS2	prostaglandin-endoperoxide synthase 2 [Source:HGNC Symbol;Acc:HGNC:9605]
2,895304522	3,44E-31	8,83E-30	LRRC10B	leucine rich repeat containing 10B [Source:HGNC Symbol;Acc:HGNC:37215]
2,886060061	3,12E-90	3,17E-88	ST8SIA5	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:17827]
2,884381878	2,47E-07	1,61E-06	PTGDS	prostaglandin D2 synthase [Source:HGNC Symbol;Acc:HGNC:9592]
2,87982284	8,84E-34	2,47E-32	GRIK1	glutamate ionotropic receptor kainate type subunit 1 [Source:HGNC Symbol;Acc:HGNC:4579]
2,874737775	4,48E-55	2,25E-53	G0S2	G0/G1 switch 2 [Source:HGNC Symbol;Acc:HGNC:30229]
2,838098672	6,86E-69	4,64E-67	RHOU	ras homolog family member U [Source:HGNC Symbol;Acc:HGNC:17794]

2,788879402	0,006771367	0,021119439	SYN2	synapsin II [Source:HGNC Symbol;Acc:HGNC:11495]
2,778078029	9,77E-06	5,21E-05	AMBP	alpha-1-microglobulin/bikunin precursor [Source:HGNC Symbol;Acc:HGNC:453]
2,762765686	7,74E-30	1,88E-28	SMOC1	SPARC related modular calcium binding 1 [Source:HGNC Symbol;Acc:HGNC:20318]
2,755090286	2,90E-162	8,04E-160	STC1	stanniocalcin 1 [Source:HGNC Symbol;Acc:HGNC:11373]
2,753224756	1,13E-12	1,20E-11	DCC	DCC netrin 1 receptor [Source:HGNC Symbol;Acc:HGNC:2701]
2,724127654	0,00675692	0,021084546	DAPL1	death associated protein like 1 [Source:HGNC Symbol;Acc:HGNC:21490]
2,706964818	0,000859108	0,003300689	SLITRK6	SLIT and NTRK like family member 6 [Source:HGNC Symbol;Acc:HGNC:23503]
2,704979722	7,17E-12	7,04E-11	AMER2	APC membrane recruitment protein 2 [Source:HGNC Symbol;Acc:HGNC:26360]
2,695473656	0,001006019	0,003801908	SPOCK3	SPARC (osteonectin), cwcv and kazal like domains proteoglycan 3 [Source:HGNC Symbol;Acc:HGNC:13565]
2,693742104	3,05E-32	8,13E-31	C1QL2	complement C1q like 2 [Source:HGNC Symbol;Acc:HGNC:24181]
2,68909377	6,88E-08	4,78E-07	CSMD1	CUB and Sushi multiple domains 1 [Source:HGNC Symbol;Acc:HGNC:14026]
2,687866482	2,03E-61	1,21E-59	ESR2	estrogen receptor 2 [Source:HGNC Symbol;Acc:HGNC:3468]
2,677415442	1,58E-07	1,05E-06	KCNK15	potassium two pore domain channel subfamily K member 15 [Source:HGNC Symbol;Acc:HGNC:13814]
2,675222128	2,00E-100	2,42E-98	TMCC3	transmembrane and coiled-coil domain family 3 [Source:HGNC Symbol;Acc:HGNC:29199]
2,663419437	0,007980571	0,024381449	CACNA1I	calcium voltage-gated channel subunit alpha1 I [Source:HGNC Symbol;Acc:HGNC:1396]
2,647521207	1,54E-23	2,88E-22	TINCR	TINCR ubiquitin domain containing [Source:HGNC Symbol;Acc:HGNC:14607]
2,64142465	0,001352295	0,004975851	IRS4	insulin receptor substrate 4 [Source:HGNC Symbol;Acc:HGNC:6128]
2,633430502	2,79E-100	3,35E-98	TNFRSF1B	TNF receptor superfamily member 1B [Source:HGNC Symbol;Acc:HGNC:11917]
2,620474971	3,36E-07	2,15E-06	FRK	fyn related Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3955]
2,620454518	1,62E-12	1,69E-11	PLPPR5	phospholipid phosphatase related 5 [Source:HGNC Symbol;Acc:HGNC:31703]
2,612789469	0,001636597	0,005905506	SBK3	SH3 domain binding kinase family member 3 [Source:HGNC Symbol;Acc:HGNC:44121]
2,602122154	0,000168054	0,000736839	BTBD16	BTB domain containing 16 [Source:HGNC Symbol;Acc:HGNC:26340]
2,580283541	1,52E-09	1,23E-08	GSX2	GS homeobox 2 [Source:HGNC Symbol;Acc:HGNC:24959]
2,568098313	2,63E-243	1,76E-240	NOG	noggin [Source:HGNC Symbol;Acc:HGNC:7866]
2,567963015	7,56E-212	3,41E-209	FAM181B	family with sequence similarity 181 member B [Source:HGNC Symbol;Acc:HGNC:28512]
2,567398036	3,94E-07	2,50E-06	DLX2	distal-less homeobox 2 [Source:HGNC Symbol;Acc:HGNC:2915]
2,56515218	6,72E-32	1,77E-30	CHGB	chromogranin B [Source:HGNC Symbol;Acc:HGNC:1930]
2,56226494	1,53E-23	2,86E-22	WNT4	Wnt family member 4 [Source:HGNC Symbol;Acc:HGNC:12783]
2,552369648	0,003127187	0,010616899	NAIP	NLR family apoptosis inhibitory protein [Source:HGNC Symbol;Acc:HGNC:7634]
2,537634347	0,000510474	0,002044213	ALDH8A1	aldehyde dehydrogenase 8 family member A1 [Source:HGNC Symbol;Acc:HGNC:15471]
2,525657239	2,05E-297	2,66E-294	GAS1	growth arrest specific 1 [Source:HGNC Symbol;Acc:HGNC:4165]
2,50784542	0,00118288	0,00440172	RAET1G	retinoic acid early transcript 1G [Source:HGNC Symbol;Acc:HGNC:16795]
2,507442214	1,50E-09	1,21E-08	CREG2	cellular repressor of E1A stimulated genes 2 [Source:HGNC Symbol;Acc:HGNC:14272]

2,507403176	0,000502524	0,002014874	<i>CLIC2</i>	chloride intracellular channel 2 [Source:HGNC Symbol;Acc:HGNC:2063]
2,486474496	2,15E-08	1,57E-07	<i>AKR1B10</i>	aldo-keto reductase family 1 member B10 [Source:HGNC Symbol;Acc:HGNC:382]
2,477912904	1,93E-09	1,55E-08	<i>KRT15</i>	keratin 15 [Source:HGNC Symbol;Acc:HGNC:6421]
2,475602791	3,79E-07	2,42E-06	<i>AKR1C2</i>	aldo-keto reductase family 1 member C2 [Source:HGNC Symbol;Acc:HGNC:385]
2,474043433	5,91E-06	3,25E-05	<i>NRROS</i>	negative regulator of reactive oxygen species [Source:HGNC Symbol;Acc:HGNC:24613]
2,469592816	0,001366562	0,005023584	<i>CHRNA9</i>	cholinergic receptor nicotinic alpha 9 subunit [Source:HGNC Symbol;Acc:HGNC:14079]
2,466172504	1,77E-33	4,89E-32	<i>NPNT</i>	nephronectin [Source:HGNC Symbol;Acc:HGNC:27405]
2,464424131	7,65E-07	4,71E-06	<i>LINGO1</i>	leucine rich repeat and Ig domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21205]
2,450467735	1,04E-58	5,76E-57	<i>ARRB1</i>	arrestin beta 1 [Source:HGNC Symbol;Acc:HGNC:711]
2,435321367	0,000827091	0,003193498	<i>SPTSSB</i>	serine palmitoyltransferase small subunit B [Source:HGNC Symbol;Acc:HGNC:24045]
2,429492985	0,011171318	0,032752773	<i>SLC30A10</i>	solute carrier family 30 member 10 [Source:HGNC Symbol;Acc:HGNC:25355]
2,429464184	6,43E-29	1,51E-27	<i>RAB27B</i>	RAB27B, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9767]
2,42797404	0,00018181	0,000792319	<i>SYT6</i>	synaptotagmin 6 [Source:HGNC Symbol;Acc:HGNC:18638]
2,408173228	0,006827211	0,021279931	<i>RASL12</i>	RAS like family 12 [Source:HGNC Symbol;Acc:HGNC:30289]
2,405692873	0,002632383	0,009081603	<i>GRM8</i>	glutamate metabotropic receptor 8 [Source:HGNC Symbol;Acc:HGNC:4600]
2,40315562	0,000112672	0,000510747	<i>FGL2</i>	fibrinogen like 2 [Source:HGNC Symbol;Acc:HGNC:3696]
2,398162913	1,63E-15	2,05E-14	<i>SLC16A6</i>	solute carrier family 16 member 6 [Source:HGNC Symbol;Acc:HGNC:10927]
2,396274038	7,01E-10	5,84E-09	<i>CPLX2</i>	complexin 2 [Source:HGNC Symbol;Acc:HGNC:2310]
2,395614518	7,11E-54	3,45E-52	<i>ADAMTS18</i>	ADAM metalloproteinase with thrombospondin type 1 motif 18 [Source:HGNC Symbol;Acc:HGNC:17110]
2,386863723	5,12E-05	0,000246627	<i>CCDC177</i>	coiled-coil domain containing 177 [Source:HGNC Symbol;Acc:HGNC:23243]
2,366648689	0,00121265	0,004501281	<i>SLC52A1</i>	solute carrier family 52 member 1 [Source:HGNC Symbol;Acc:HGNC:30225]
2,366307084	1,75E-225	9,46E-223	<i>LIMD1</i>	LIM domains containing 1 [Source:HGNC Symbol;Acc:HGNC:6612]
2,365925083	0,0002856	0,001195763	<i>SPATA12</i>	spermatogenesis associated 12 [Source:HGNC Symbol;Acc:HGNC:23221]
2,350387438	2,65E-53	1,27E-51	<i>AQP1</i>	aquaporin 1 (Colton blood group) [Source:HGNC Symbol;Acc:HGNC:633]
2,348101631	4,88E-59	2,72E-57	<i>RGS16</i>	regulator of G protein signaling 16 [Source:HGNC Symbol;Acc:HGNC:9997]
2,335387634	0,002035622	0,007208627	<i>ARL14EPL</i>	ADP ribosylation factor like GTPase 14 effector protein like [Source:HGNC Symbol;Acc:HGNC:44201]
2,334365129	0,006420691	0,020207577	<i>FRMPD2</i>	FERM and PDZ domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28572]
2,318824472	0,012454415	0,035981892	<i>GPIHBP1</i>	glycosylphosphatidylinositol anchored high density lipoprotein binding protein 1 [Source:HGNC Symbol;Acc:HGNC:24945]
2,309681996	0,016523514	0,045985275	<i>C2CD4B</i>	C2 calcium dependent domain containing 4B [Source:HGNC Symbol;Acc:HGNC:33628]
2,299480224	6,71E-05	0,000316832	<i>KCNK12</i>	potassium two pore domain channel subfamily K member 12 [Source:HGNC Symbol;Acc:HGNC:6274]
2,278977939	0,000116532	0,000527139	<i>LRRTM3</i>	leucine rich repeat transmembrane neuronal 3 [Source:HGNC Symbol;Acc:HGNC:19410]
2,278670962	0,000373207	0,001533767	<i>EVI2A</i>	ecotropic viral integration site 2A [Source:HGNC Symbol;Acc:HGNC:3499]
2,270680972	2,93E-41	1,02E-39	<i>IL13RA2</i>	interleukin 13 receptor subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:5975]

2,264732151	2,81E-36	8,57E-35	<i>PROX1</i>	prospero homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9459]
2,263936899	1,57E-130	2,96E-128	<i>FERMT1</i>	fermitin family member 1 [Source:HGNC Symbol;Acc:HGNC:15889]
2,26029233	2,64E-288	2,69E-285	<i>ATP1A2</i>	ATPase Na+/K+ transporting subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:800]
2,2578222	4,27E-05	0,000208152	<i>RFX8</i>	RFX family member 8, lacking RFX DNA binding domain [Source:HGNC Symbol;Acc:HGNC:37253]
2,252872618	2,05E-28	4,73E-27	<i>GPR158</i>	G protein-coupled receptor 158 [Source:HGNC Symbol;Acc:HGNC:23689]
2,242220883	3,59E-75	2,69E-73	<i>ADA</i>	adenosine deaminase [Source:HGNC Symbol;Acc:HGNC:186]
2,239559328	0,004371482	0,014311254	<i>C3orf80</i>	chromosome 3 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:40048]
2,233555958	2,49E-18	3,70E-17	<i>TMC1</i>	transmembrane channel like 1 [Source:HGNC Symbol;Acc:HGNC:16513]
2,220901727	8,79E-14	1,01E-12	<i>RIMBP2</i>	RIMS binding protein 2 [Source:HGNC Symbol;Acc:HGNC:30339]
2,219449381	3,42E-05	0,00016902	<i>SERTM1</i>	serine rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]
2,2039749	1,13E-58	6,18E-57	<i>EOMES</i>	eomesodermin [Source:HGNC Symbol;Acc:HGNC:3372]
2,197850114	2,92E-37	9,18E-36	<i>RGS2</i>	regulator of G protein signaling 2 [Source:HGNC Symbol;Acc:HGNC:9998]
2,194116655	9,20E-05	0,000424681	<i>IL1A</i>	interleukin 1 alpha [Source:HGNC Symbol;Acc:HGNC:5991]
2,174582314	2,28E-22	4,06E-21	<i>CXXC4</i>	CXXC finger protein 4 [Source:HGNC Symbol;Acc:HGNC:24593]
2,170781632	8,16E-09	6,20E-08	<i>TTC39A</i>	tetratricopeptide repeat domain 39A [Source:HGNC Symbol;Acc:HGNC:18657]
2,163489435	1,23E-17	1,77E-16	<i>BALAP3</i>	BAI1 associated protein 3 [Source:HGNC Symbol;Acc:HGNC:948]
2,160695815	1,39E-21	2,39E-20	<i>FREM2</i>	FRAS1 related extracellular matrix protein 2 [Source:HGNC Symbol;Acc:HGNC:25396]
2,157362705	3,19E-20	5,17E-19	<i>CDH23</i>	cadherin related 23 [Source:HGNC Symbol;Acc:HGNC:13733]
2,151320251	6,92E-08	4,81E-07	<i>ENKUR</i>	enkurin, TRPC channel interacting protein [Source:HGNC Symbol;Acc:HGNC:28388]
2,151072686	5,14E-08	3,62E-07	<i>CLEC2B</i>	C-type lectin domain family 2 member B [Source:HGNC Symbol;Acc:HGNC:2053]
2,144979001	9,15E-46	3,65E-44	<i>PTHLH</i>	parathyroid hormone like hormone [Source:HGNC Symbol;Acc:HGNC:9607]
2,144559036	0,000197185	0,000852972	<i>ABCA9</i>	ATP binding cassette subfamily A member 9 [Source:HGNC Symbol;Acc:HGNC:39]
2,139450081	1,35E-210	5,94E-208	<i>PPP3CA</i>	protein phosphatase 3 catalytic subunit alpha [Source:HGNC Symbol;Acc:HGNC:9314]
2,138003722	3,76E-05	0,000184549	<i>ERBB3</i>	erb-b2 receptor tyrosine kinase 3 [Source:HGNC Symbol;Acc:HGNC:3431]
2,134847106	2,35E-05	0,0001187	<i>NHLRC4</i>	NHL repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:26700]
2,133557789	0,000244415	0,001036975	<i>GABRA2</i>	gamma-aminobutyric acid type A receptor alpha2 subunit [Source:HGNC Symbol;Acc:HGNC:4076]
2,131783742	4,44E-44	1,69E-42	<i>TNFRSF11B</i>	TNF receptor superfamily member 11b [Source:HGNC Symbol;Acc:HGNC:11909]
2,127909217	0,000476156	0,001920258	<i>IL1RAPL1</i>	interleukin 1 receptor accessory protein like 1 [Source:HGNC Symbol;Acc:HGNC:5996]
2,125701482	3,51E-59	1,96E-57	<i>SPON1</i>	spondin 1 [Source:HGNC Symbol;Acc:HGNC:11252]
2,116544701	2,30E-103	2,88E-101	<i>CXCR4</i>	C-X-C motif chemokine receptor 4 [Source:HGNC Symbol;Acc:HGNC:2561]
2,108999558	1,53E-115	2,30E-113	<i>ETV1</i>	ETS variant 1 [Source:HGNC Symbol;Acc:HGNC:3490]
2,105471049	0,003485767	0,011685058	<i>CYP19A1</i>	cytochrome P450 family 19 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2594]

2,103553174	5,68E-58	3,07E-56	ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3 [Source:HGNC Symbol;Acc:HGNC:3365]
2,098499092	8,06E-126	1,37E-123	OSBP2	oxysterol binding protein 2 [Source:HGNC Symbol;Acc:HGNC:8504]
2,08953537	3,79E-21	6,46E-20	ARHGAP28	Rho GTPase activating protein 28 [Source:HGNC Symbol;Acc:HGNC:25509]
2,088444855	8,40E-17	1,15E-15	PTPRT	protein tyrosine phosphatase, receptor type T [Source:HGNC Symbol;Acc:HGNC:9682]
2,086605919	4,80E-14	5,58E-13	KIAA0040	KIAA0040 [Source:HGNC Symbol;Acc:HGNC:28950]
2,085319848	1,72E-07	1,14E-06	B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:18811]
2,075322946	3,38E-05	0,000167021	PLEKHD1	pleckstrin homology and coiled-coil domain containing D1 [Source:HGNC Symbol;Acc:HGNC:20148]
2,072026825	9,14E-80	7,61E-78	ALK	ALK receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:427]
2,07097734	3,40E-44	1,29E-42	HTRA3	Htra serine peptidase 3 [Source:HGNC Symbol;Acc:HGNC:30406]
2,068370946	2,10E-142	4,62E-140	PCDH1	protocadherin 1 [Source:HGNC Symbol;Acc:HGNC:8655]
2,06589293	3,08E-15	3,84E-14	LEMD1	LEM domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18725]
2,044750702	4,00E-07	2,54E-06	B3GAT2	beta-1,3-glucuronyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:922]
2,040245763	6,56E-21	1,10E-19	HDC	histidine decarboxylase [Source:HGNC Symbol;Acc:HGNC:4855]
2,039677852	3,36E-13	3,71E-12	MYH15	myosin heavy chain 15 [Source:HGNC Symbol;Acc:HGNC:31073]
2,039304152	8,72E-140	1,84E-137	HMOX1	heme oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:5013]
2,036192413	3,00E-74	2,22E-72	ESPN	espin [Source:HGNC Symbol;Acc:HGNC:13281]
2,035776565	6,31E-15	7,68E-14	TLE6	transducin like enhancer of split 6 [Source:HGNC Symbol;Acc:HGNC:30788]
2,026590352	6,98E-56	3,57E-54	KCNF1	potassium voltage-gated channel modifier subfamily F member 1 [Source:HGNC Symbol;Acc:HGNC:6246]
2,025666927	1,07E-43	4,02E-42	SLC2A13	solute carrier family 2 member 13 [Source:HGNC Symbol;Acc:HGNC:15956]
2,020644524	5,36E-10	4,51E-09	FOSB	FosB proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3797]
2,015298148	1,94E-09	1,56E-08	PYGM	glycogen phosphorylase, muscle associated [Source:HGNC Symbol;Acc:HGNC:9726]
2,00502089	8,06E-28	1,80E-26	AKR1C1	aldo-keto reductase family 1 member C1 [Source:HGNC Symbol;Acc:HGNC:384]
1,999664274	4,81E-35	1,41E-33	MED12L	mediator complex subunit 12 like [Source:HGNC Symbol;Acc:HGNC:16050]
1,985477044	2,38E-09	1,89E-08	PHEX	phosphate regulating endopeptidase homolog X-linked [Source:HGNC Symbol;Acc:HGNC:8918]
1,982691123	1,68E-39	5,60E-38	HAP1	huntingtin associated protein 1 [Source:HGNC Symbol;Acc:HGNC:4812]
1,982437505	0,009315179	0,027921605	IGFL4	IGF like family member 4 [Source:HGNC Symbol;Acc:HGNC:32931]
1,979696573	2,36E-118	3,60E-116	CACNA1A	calcium voltage-gated channel subunit alpha1 A [Source:HGNC Symbol;Acc:HGNC:1388]
1,977999272	2,36E-57	1,26E-55	LAMB3	laminin subunit beta 3 [Source:HGNC Symbol;Acc:HGNC:6490]
1,974691007	1,15E-16	1,56E-15	NGEF	neuronal guanine nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:7807]
1,969342012	8,39E-08	5,76E-07	INKA2	inka box actin regulator 2 [Source:HGNC Symbol;Acc:HGNC:28045]
1,968877502	6,30E-82	5,45E-80	GMPR	guanosine monophosphate reductase [Source:HGNC Symbol;Acc:HGNC:4376]
1,962532834	1,63E-26	3,49E-25	NEK10	NIMA related kinase 10 [Source:HGNC Symbol;Acc:HGNC:18592]

1,955799386	6,19E-31	1,57E-29	CRYM	crystallin mu [Source:HGNC Symbol;Acc:HGNC:2418]
1,945421056	4,10E-07	2,60E-06	KCNE3	potassium voltage-gated channel subfamily E regulatory subunit 3 [Source:HGNC Symbol;Acc:HGNC:6243]
1,944935024	5,60E-07	3,50E-06	ALOX5	arachidonate 5-lipoxygenase [Source:HGNC Symbol;Acc:HGNC:435]
1,944081926	1,54E-10	1,36E-09	DDIT4L	DNA damage inducible transcript 4 like [Source:HGNC Symbol;Acc:HGNC:30555]
1,939395801	2,60E-06	1,50E-05	PAK6	p21 (RAC1) activated kinase 6 [Source:HGNC Symbol;Acc:HGNC:16061]
1,939255231	5,94E-06	3,27E-05	SLC26A9	solute carrier family 26 member 9 [Source:HGNC Symbol;Acc:HGNC:14469]
1,938339464	2,82E-05	0,000141164	MYH7	myosin heavy chain 7 [Source:HGNC Symbol;Acc:HGNC:7577]
1,932942107	5,24E-05	0,000252048	C5orf49	chromosome 5 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:27028]
1,918794456	9,27E-60	5,29E-58	SYNE3	spectrin repeat containing nuclear envelope family member 3 [Source:HGNC Symbol;Acc:HGNC:19861]
1,917938312	7,13E-221	3,64E-218	FAM84A	family with sequence similarity 84 member A [Source:HGNC Symbol;Acc:HGNC:20743]
1,913831182	1,69E-51	7,75E-50	HEY1	hes related family bHLH transcription factor with YRPW motif 1 [Source:HGNC Symbol;Acc:HGNC:4880]
1,912717359	6,71E-29	1,58E-27	PRKCQ	protein kinase C theta [Source:HGNC Symbol;Acc:HGNC:9410]
1,91239052	2,69E-72	1,95E-70	LMO2	LIM domain only 2 [Source:HGNC Symbol;Acc:HGNC:6642]
1,90328142	3,06E-101	3,81E-99	C11orf87	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]
1,902527453	3,05E-25	6,18E-24	TRIL	TLR4 interactor with leucine rich repeats [Source:HGNC Symbol;Acc:HGNC:22200]
1,90043919	4,45E-201	1,76E-198	COL9A3	collagen type IX alpha 3 chain [Source:HGNC Symbol;Acc:HGNC:2219]
1,897735213	0,004578588	0,014930612	KIAA1257	KIAA1257 [Source:HGNC Symbol;Acc:HGNC:29231]
1,897477354	1,17E-08	8,75E-08	PCDHAC2	protocadherin alpha subfamily C, 2 [Source:HGNC Symbol;Acc:HGNC:8677]
1,896388867	0,01227589	0,035556107	GRIP2	glutamate receptor interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:23841]
1,885938319	1,87E-53	8,93E-52	SERPINF1	serpin family F member 1 [Source:HGNC Symbol;Acc:HGNC:8824]
1,885451536	3,53E-148	8,05E-146	TMEM132B	transmembrane protein 132B [Source:HGNC Symbol;Acc:HGNC:29397]
1,877282577	3,07E-06	1,75E-05	KCNK10	potassium two pore domain channel subfamily K member 10 [Source:HGNC Symbol;Acc:HGNC:6273]
1,877161717	1,22E-16	1,65E-15	PDK4	pyruvate dehydrogenase kinase 4 [Source:HGNC Symbol;Acc:HGNC:8812]
1,871552274	9,54E-18	1,38E-16	EML6	echinoderm microtubule associated protein like 6 [Source:HGNC Symbol;Acc:HGNC:35412]
1,86699806	7,69E-28	1,72E-26	RCOR2	REST corepressor 2 [Source:HGNC Symbol;Acc:HGNC:27455]
1,8616223	1,79E-45	7,07E-44	COBL	cordon-bleu WH2 repeat protein [Source:HGNC Symbol;Acc:HGNC:22199]
1,858500986	0,000170367	0,000745973	ABCG1	ATP binding cassette subfamily G member 1 [Source:HGNC Symbol;Acc:HGNC:73]
1,858244488	0,006148459	0,019439066	KCNN1	potassium calcium-activated channel subfamily N member 1 [Source:HGNC Symbol;Acc:HGNC:6290]
1,857645733	1,10E-95	1,23E-93	RASD1	ras related dexamethasone induced 1 [Source:HGNC Symbol;Acc:HGNC:15828]
1,857370635	0,014592796	0,041196943	NHLH2	nescient helix-loop-helix 2 [Source:HGNC Symbol;Acc:HGNC:7818]
1,851555256	2,46E-92	2,60E-90	APCDD1L	APC down-regulated 1 like [Source:HGNC Symbol;Acc:HGNC:26892]
1,833988705	4,64E-71	3,30E-69	TENT5A	terminal nucleotidyltransferase 5A [Source:HGNC Symbol;Acc:HGNC:18345]

1,829776632	0,002363208	0,008249761	<i>GPR146</i>	G protein-coupled receptor 146 [Source:HGNC Symbol;Acc:HGNC:21718]
1,82765654	8,92E-128	1,59E-125	<i>GCLC</i>	glutamate-cysteine ligase catalytic subunit [Source:HGNC Symbol;Acc:HGNC:4311]
1,824259381	2,28E-10	1,99E-09	<i>PARM1</i>	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]
1,82374317	1,10E-14	1,32E-13	<i>CACNB2</i>	calcium voltage-gated channel auxiliary subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:1402]
1,822235223	3,37E-111	4,70E-109	<i>PLEKHA1</i>	pleckstrin homology domain containing A1 [Source:HGNC Symbol;Acc:HGNC:14335]
1,821640223	2,83E-08	2,04E-07	<i>C1orf94</i>	chromosome 1 open reading frame 94 [Source:HGNC Symbol;Acc:HGNC:28250]
1,812857796	1,18E-07	7,94E-07	<i>ADAMTSL2</i>	ADAMTS like 2 [Source:HGNC Symbol;Acc:HGNC:14631]
1,808498156	6,98E-131	1,33E-128	<i>COLGALT2</i>	collagen beta(1-O)galactosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:16790]
1,807670379	4,19E-06	2,34E-05	<i>HERC5</i>	HECT and RLD domain containing E3 ubiquitin protein ligase 5 [Source:HGNC Symbol;Acc:HGNC:24368]
1,804688103	2,49E-27	5,46E-26	<i>MT3</i>	metallothionein 3 [Source:HGNC Symbol;Acc:HGNC:7408]
1,799185754	0,013647592	0,038947818	<i>KCNN2</i>	potassium calcium-activated channel subfamily N member 2 [Source:HGNC Symbol;Acc:HGNC:6291]
1,798454864	0,003663706	0,012224531	<i>TMEM132C</i>	transmembrane protein 132C [Source:HGNC Symbol;Acc:HGNC:25436]
1,796294095	1,65E-10	1,45E-09	<i>ANO1</i>	anoctamin 1 [Source:HGNC Symbol;Acc:HGNC:21625]
1,793705932	0,013821602	0,039374928	<i>SYPL2</i>	synaptophysin like 2 [Source:HGNC Symbol;Acc:HGNC:27638]
1,793459517	3,13E-152	7,89E-150	<i>DRAXIN</i>	dorsal inhibitory axon guidance protein [Source:HGNC Symbol;Acc:HGNC:25054]
1,791363208	0,000138207	0,000615854	<i>LRCOL1</i>	leucine rich colipase like 1 [Source:HGNC Symbol;Acc:HGNC:44160]
1,787353752	9,03E-06	4,84E-05	<i>ARHGAP20</i>	Rho GTPase activating protein 20 [Source:HGNC Symbol;Acc:HGNC:18357]
1,786192004	3,58E-28	8,11E-27	<i>OSGIN1</i>	oxidative stress induced growth inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:30093]
1,785785156	9,77E-60	5,56E-58	<i>SPRY1</i>	sprouty RTK signaling antagonist 1 [Source:HGNC Symbol;Acc:HGNC:11269]
1,775991989	4,48E-84	4,08E-82	<i>SOX13</i>	SRY-box 13 [Source:HGNC Symbol;Acc:HGNC:11192]
1,774677848	4,76E-15	5,85E-14	<i>PLA2G3</i>	phospholipase A2 group III [Source:HGNC Symbol;Acc:HGNC:17934]
1,774322645	0,000104758	0,000477915	<i>PENK</i>	proenkephalin [Source:HGNC Symbol;Acc:HGNC:8831]
1,772608388	1,06E-06	6,46E-06	<i>COL21A1</i>	collagen type XXI alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:17025]
1,769517367	2,20E-06	1,28E-05	<i>CRB1</i>	crumbs 1, cell polarity complex component [Source:HGNC Symbol;Acc:HGNC:2343]
1,768534852	6,15E-53	2,93E-51	<i>GRIK2</i>	glutamate ionotropic receptor kainate type subunit 2 [Source:HGNC Symbol;Acc:HGNC:4580]
1,76813416	8,83E-208	3,81E-205	<i>SERINC5</i>	serine incorporator 5 [Source:HGNC Symbol;Acc:HGNC:18825]
1,768091553	0,001231227	0,004565868	<i>SPATA6L</i>	spermatogenesis associated 6 like [Source:HGNC Symbol;Acc:HGNC:25472]
1,766403911	1,82E-44	6,97E-43	<i>FAXDC2</i>	fatty acid hydroxylase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:1334]
1,765551579	0,001742807	0,006249246	<i>TXLNB</i>	taxilin beta [Source:HGNC Symbol;Acc:HGNC:21617]
1,762513124	0,010185596	0,030191182	<i>SLC16A11</i>	solute carrier family 16 member 11 [Source:HGNC Symbol;Acc:HGNC:23093]
1,761692966	1,45E-20	2,40E-19	<i>RASSF10</i>	Ras association domain family member 10 [Source:HGNC Symbol;Acc:HGNC:33984]
1,760200871	1,19E-205	5,01E-203	<i>HMGA1</i>	high mobility group AT-hook 1 [Source:HGNC Symbol;Acc:HGNC:5010]
1,759329346	1,06E-15	1,35E-14	<i>HES2</i>	hes family bHLH transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:16005]

1,757731011	4,01E-98	4,72E-96	APCDD1	APC down-regulated 1 [Source:HGNC Symbol;Acc:HGNC:15718]
1,74930107	0,000104773	0,000477915	SFN	stratifin [Source:HGNC Symbol;Acc:HGNC:10773]
1,742389784	0,006766317	0,02110708	ANKRD20A2	ankyrin repeat domain 20 family member A2 [Source:HGNC Symbol;Acc:HGNC:31979]
1,735389548	8,65E-34	2,42E-32	CALCRL	calcitonin receptor like receptor [Source:HGNC Symbol;Acc:HGNC:16709]
1,733449606	3,02E-06	1,72E-05	CLDN3	claudin 3 [Source:HGNC Symbol;Acc:HGNC:2045]
1,730138002	2,91E-05	0,000145272	ABCD2	ATP binding cassette subfamily D member 2 [Source:HGNC Symbol;Acc:HGNC:66]
1,714582758	1,92E-36	5,92E-35	FOXN2	forkhead box N2 [Source:HGNC Symbol;Acc:HGNC:5281]
1,713668784	8,16E-05	0,000379286	TMEM100	transmembrane protein 100 [Source:HGNC Symbol;Acc:HGNC:25607]
1,712514651	0,000184929	0,000804289	ENTPD8	ectonucleoside triphosphate diphosphohydrolase 8 [Source:HGNC Symbol;Acc:HGNC:24860]
1,710252936	1,10E-20	1,83E-19	GADD45G	growth arrest and DNA damage inducible gamma [Source:HGNC Symbol;Acc:HGNC:4097]
1,708390182	1,42E-05	7,37E-05	ADCY8	adenylate cyclase 8 [Source:HGNC Symbol;Acc:HGNC:239]
1,707047792	6,01E-05	0,000286159	COL23A1	collagen type XXIII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:22990]
1,702353803	2,10E-11	1,99E-10	ATP8A2	ATPase phospholipid transporting 8A2 [Source:HGNC Symbol;Acc:HGNC:13533]
1,700247582	0,006557772	0,020575606	SNHG28	small nucleolar RNA host gene 28 [Source:NCBI gene;Acc:284677]
1,69868229	6,13E-79	5,00E-77	COL22A1	collagen type XXII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:22989]
1,696394568	1,56E-10	1,38E-09	NOV	nephroblastoma overexpressed [Source:HGNC Symbol;Acc:HGNC:7885]
1,694842384	0,012841085	0,036912174	FHAD1	forkhead associated phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:HGNC:29408]
1,691304772	1,73E-05	8,87E-05	STXBP5L	syntaxin binding protein 5 like [Source:HGNC Symbol;Acc:HGNC:30757]
1,6871501	1,32E-16	1,78E-15	ST8SIA4	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4 [Source:HGNC Symbol;Acc:HGNC:10871]
1,684511896	0,000947047	0,003600078	RGS8	regulator of G protein signaling 8 [Source:HGNC Symbol;Acc:HGNC:16810]
1,683025245	1,19E-16	1,60E-15	DIRAS2	DIRAS family GTPase 2 [Source:HGNC Symbol;Acc:HGNC:19323]
1,677051666	7,24E-25	1,45E-23	RGS17	regulator of G protein signaling 17 [Source:HGNC Symbol;Acc:HGNC:14088]
1,673686591	0,000864936	0,003320465	PDZK1	PDZ domain containing 1 [Source:HGNC Symbol;Acc:HGNC:8821]
1,654795733	2,27E-203	9,16E-201	NQO1	NAD(P)H quinone dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:2874]
1,649102828	8,79E-11	7,88E-10	CACNA1G	calcium voltage-gated channel subunit alpha1 G [Source:HGNC Symbol;Acc:HGNC:1394]
1,649088286	2,75E-27	6,03E-26	TMEM154	transmembrane protein 154 [Source:HGNC Symbol;Acc:HGNC:26489]
1,648562685	4,80E-14	5,58E-13	CCDC102B	coiled-coil domain containing 102B [Source:HGNC Symbol;Acc:HGNC:26295]
1,644827442	2,63E-12	2,71E-11	GCK	glucokinase [Source:HGNC Symbol;Acc:HGNC:4195]
1,641725232	7,48E-21	1,25E-19	PCDHGC5	protocadherin gamma subfamily C, 5 [Source:HGNC Symbol;Acc:HGNC:8718]
1,641183378	5,96E-59	3,31E-57	SEZ6L	seizure related 6 homolog like [Source:HGNC Symbol;Acc:HGNC:10763]
1,637200138	9,56E-11	8,54E-10	SLC9A9	solute carrier family 9 member A9 [Source:HGNC Symbol;Acc:HGNC:20653]
1,636728383	9,08E-76	6,89E-74	PCDH19	protocadherin 19 [Source:HGNC Symbol;Acc:HGNC:14270]

1,636494366	8,57E-81	7,26E-79	PITPNC1	phosphatidylinositol transfer protein cytoplasmic 1 [Source:HGNC Symbol;Acc:HGNC:21045]
1,635746519	0,003902943	0,01293604	SLC22A18AS	solute carrier family 22 member 18 antisense [Source:HGNC Symbol;Acc:HGNC:10965]
1,633332147	4,27E-25	8,58E-24	PCSK9	proprotein convertase subtilisin/kexin type 9 [Source:HGNC Symbol;Acc:HGNC:20001]
1,6329103	0,001006484	0,003802926	DNAAF3	dynein axonemal assembly factor 3 [Source:HGNC Symbol;Acc:HGNC:30492]
1,632891006	4,54E-129	8,30E-127	BMP2	bone morphogenetic protein 2 [Source:HGNC Symbol;Acc:HGNC:1069]
1,631825248	6,81E-12	6,71E-11	FABP3	fatty acid binding protein 3 [Source:HGNC Symbol;Acc:HGNC:3557]
1,629875655	1,72E-21	2,96E-20	AMPD3	adenosine monophosphate deaminase 3 [Source:HGNC Symbol;Acc:HGNC:470]
1,626112882	2,60E-44	9,90E-43	CA11	carbonic anhydrase 11 [Source:HGNC Symbol;Acc:HGNC:1370]
1,625304713	2,23E-127	3,91E-125	CA12	carbonic anhydrase 12 [Source:HGNC Symbol;Acc:HGNC:1371]
1,624720727	7,94E-06	4,29E-05	BCO1	beta-carotene oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:13815]
1,624260134	1,71E-85	1,61E-83	PDGFRA	platelet derived growth factor receptor alpha [Source:HGNC Symbol;Acc:HGNC:8803]
1,624234331	0,005443789	0,01741546	GABRR2	gamma-aminobutyric acid type A receptor rho2 subunit [Source:HGNC Symbol;Acc:HGNC:4091]
1,621329815	1,29E-53	6,21E-52	C1QTNF1	C1q and TNF related 1 [Source:HGNC Symbol;Acc:HGNC:14324]
1,616012266	7,84E-89	7,80E-87	KCNN4	potassium calcium-activated channel subfamily N member 4 [Source:HGNC Symbol;Acc:HGNC:6293]
1,615419429	7,55E-238	4,58E-235	IGFBP5	insulin like growth factor binding protein 5 [Source:HGNC Symbol;Acc:HGNC:5474]
1,61379757	6,20E-15	7,55E-14	RORB	RAR related orphan receptor B [Source:HGNC Symbol;Acc:HGNC:10259]
1,612929425	4,19E-08	2,96E-07	RENBP	renin binding protein [Source:HGNC Symbol;Acc:HGNC:9959]
1,612834338	1,19E-158	3,12E-156	ZNF436	zinc finger protein 436 [Source:HGNC Symbol;Acc:HGNC:20814]
1,612718123	0,000188807	0,000819869	KANK3	KN motif and ankyrin repeat domains 3 [Source:HGNC Symbol;Acc:HGNC:24796]
1,609905406	8,04E-23	1,46E-21	PANX2	pannexin 2 [Source:HGNC Symbol;Acc:HGNC:8600]
1,609609652	6,14E-80	5,13E-78	MAMDC2	MAM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23673]
1,607647554	0,000551585	0,002196155	GAS2	growth arrest specific 2 [Source:HGNC Symbol;Acc:HGNC:4167]
1,604579354	5,93E-06	3,26E-05	JAKMIP3	Janus kinase and microtubule interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:23523]
1,600422591	2,37E-12	2,46E-11	CTXND1	cortexin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:50507]
1,596268359	1,87E-108	2,49E-106	ZIC1	Zic family member 1 [Source:HGNC Symbol;Acc:HGNC:12872]
1,59219338	0	0	TSC22D1	TSC22 domain family member 1 [Source:HGNC Symbol;Acc:HGNC:16826]
1,590068003	5,07E-86	4,82E-84	TACC2	transforming acidic coiled-coil containing protein 2 [Source:HGNC Symbol;Acc:HGNC:11523]
1,580358544	0,012998803	0,037328383	FAM110C	family with sequence similarity 110 member C [Source:HGNC Symbol;Acc:HGNC:33340]
1,576350678	3,26E-46	1,32E-44	NOVA1	NOVA alternative splicing regulator 1 [Source:HGNC Symbol;Acc:HGNC:7886]
1,573202315	0,014969395	0,042106983	ASIC4	acid sensing ion channel subunit family member 4 [Source:HGNC Symbol;Acc:HGNC:21263]
1,569731971	8,07E-20	1,29E-18	NMNAT2	nicotinamide nucleotide adenylyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:16789]

1,569026811	0,008437604	0,025636472	<i>SLC11A1</i>	solute carrier family 11 member 1 [Source:HGNC Symbol;Acc:HGNC:10907]
1,565903964	4,04E-32	1,07E-30	<i>TMEM51</i>	transmembrane protein 51 [Source:HGNC Symbol;Acc:HGNC:25488]
1,564862121	0,00118247	0,004401038	<i>CCDC17</i>	coiled-coil domain containing 17 [Source:HGNC Symbol;Acc:HGNC:26574]
1,564047331	3,05E-141	6,51E-139	<i>KITLG</i>	KIT ligand [Source:HGNC Symbol;Acc:HGNC:6343]
1,563162998	1,50E-05	7,78E-05	<i>ANGPTL1</i>	angiopoietin like 1 [Source:HGNC Symbol;Acc:HGNC:489]
1,560913299	3,04E-06	1,73E-05	<i>ASGR1</i>	asialoglycoprotein receptor 1 [Source:HGNC Symbol;Acc:HGNC:742]
1,559696107	0,000172079	0,000752959	<i>FUT9</i>	fucosyltransferase 9 [Source:HGNC Symbol;Acc:HGNC:4020]
1,554154774	1,41E-150	3,41E-148	<i>ETV5</i>	ETS variant 5 [Source:HGNC Symbol;Acc:HGNC:3494]
1,553913089	0,006968397	0,021643521	<i>CLDND2</i>	claudin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28511]
1,553141359	8,75E-71	6,17E-69	<i>SATB1</i>	SATB homeobox 1 [Source:HGNC Symbol;Acc:HGNC:10541]
1,549685298	1,21E-15	1,54E-14	<i>LNK1</i>	ligand of numb-protein X 1 [Source:HGNC Symbol;Acc:HGNC:6657]
1,547222436	8,98E-85	8,22E-83	<i>EFR3B</i>	EFR3 homolog B [Source:HGNC Symbol;Acc:HGNC:29155]
1,546036553	1,49E-06	8,88E-06	<i>PIP5K1B</i>	phosphatidylinositol-4-phosphate 5-kinase type 1 beta [Source:HGNC Symbol;Acc:HGNC:8995]
1,543701099	3,68E-08	2,63E-07	<i>COL17A1</i>	collagen type XVII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2194]
1,538302011	1,15E-12	1,22E-11	<i>RHBDL3</i>	rhomboid like 3 [Source:HGNC Symbol;Acc:HGNC:16502]
1,537882283	0,002865245	0,009811706	<i>CD226</i>	CD226 molecule [Source:HGNC Symbol;Acc:HGNC:16961]
1,537734052	5,57E-63	3,43E-61	<i>ADM</i>	adrenomedullin [Source:HGNC Symbol;Acc:HGNC:259]
1,533960308	5,07E-08	3,57E-07	<i>SPSB4</i>	splA/ryanodine receptor domain and SOCS box containing 4 [Source:HGNC Symbol;Acc:HGNC:30630]
1,531108895	5,51E-54	2,69E-52	<i>DUSP6</i>	dual specificity phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:3072]
1,529650011	2,53E-29	6,05E-28	<i>P2RX6</i>	purinergic receptor P2X 6 [Source:HGNC Symbol;Acc:HGNC:8538]
1,52690349	1,54E-82	1,36E-80	<i>ABCA1</i>	ATP binding cassette subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:29]
1,525000531	1,08E-07	7,30E-07	<i>ZMAT4</i>	zinc finger matrin-type 4 [Source:HGNC Symbol;Acc:HGNC:25844]
1,51891044	5,00E-07	3,14E-06	<i>THEMIS2</i>	thymocyte selection associated family member 2 [Source:HGNC Symbol;Acc:HGNC:16839]
1,51271283	0,008454324	0,025679231	<i>SLC22A1</i>	solute carrier family 22 member 1 [Source:HGNC Symbol;Acc:HGNC:10963]
1,510863842	0,003448136	0,011567393	<i>HEY2</i>	hes related family bHLH transcription factor with YRPW motif 2 [Source:HGNC Symbol;Acc:HGNC:4881]
1,507622888	7,54E-29	1,77E-27	<i>ANKRD44</i>	ankyrin repeat domain 44 [Source:HGNC Symbol;Acc:HGNC:25259]
1,504535177	2,81E-05	0,000140586	<i>N4BP2L1</i>	NEDD4 binding protein 2 like 1 [Source:HGNC Symbol;Acc:HGNC:25037]
1,502455442	1,25E-247	9,67E-245	<i>ITPRID2</i>	ITPR interacting domain containing 2 [Source:HGNC Symbol;Acc:HGNC:11319]
1,498646386	0,010660542	0,031397552	<i>C2orf50</i>	chromosome 2 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:26324]
1,496928807	6,82E-14	7,84E-13	<i>RGCC</i>	regulator of cell cycle [Source:HGNC Symbol;Acc:HGNC:20369]
1,496022236	6,26E-07	3,89E-06	<i>SH3TC1</i>	SH3 domain and tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:HGNC:26009]
1,492918839	9,03E-12	8,81E-11	<i>SUSD4</i>	sushi domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25470]

1,492713698	4,82E-12	4,82E-11	<i>MCTP1</i>	multiple C2 and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26183]
1,48929263	1,23E-08	9,18E-08	<i>HIST1H3H</i>	histone cluster 1 H3 family member h [Source:HGNC Symbol;Acc:HGNC:4775]
1,48670599	5,32E-12	5,30E-11	<i>TCEA3</i>	transcription elongation factor A3 [Source:HGNC Symbol;Acc:HGNC:11615]
1,484332025	0,000798106	0,003090193	<i>ZDHHC22</i>	zinc finger DHHC-type containing 22 [Source:HGNC Symbol;Acc:HGNC:20106]
1,479349493	2,98E-08	2,14E-07	<i>NEUROG2</i>	neurogenin 2 [Source:HGNC Symbol;Acc:HGNC:13805]
1,478308769	8,09E-05	0,000376278	<i>ZCCHC12</i>	zinc finger CCHC-type containing 12 [Source:HGNC Symbol;Acc:HGNC:27273]
1,475953144	2,83E-148	6,54E-146	<i>LRIG1</i>	leucine rich repeats and immunoglobulin like domains 1 [Source:HGNC Symbol;Acc:HGNC:17360]
1,475583804	0,004820494	0,01562494	<i>FER1L6</i>	fer-1 like family member 6 [Source:HGNC Symbol;Acc:HGNC:28065]
1,471815932	1,07E-07	7,29E-07	<i>MOB3B</i>	MOB kinase activator 3B [Source:HGNC Symbol;Acc:HGNC:23825]
1,469951074	4,89E-36	1,47E-34	<i>KCNB1</i>	potassium voltage-gated channel subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:6231]
1,468960923	0,000130562	0,000585822	<i>PTGFR</i>	prostaglandin F receptor [Source:HGNC Symbol;Acc:HGNC:9600]
1,459108705	5,87E-62	3,55E-60	<i>SNED1</i>	sushi, nidogen and EGF like domains 1 [Source:HGNC Symbol;Acc:HGNC:24696]
1,456453516	9,26E-12	9,03E-11	<i>IL6R</i>	interleukin 6 receptor [Source:HGNC Symbol;Acc:HGNC:6019]
1,456023492	2,42E-205	9,98E-203	<i>MSI2</i>	musashi RNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:18585]
1,452724651	1,06E-212	4,90E-210	<i>SPP1</i>	secreted phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:11255]
1,45100342	4,79E-84	4,34E-82	<i>RFFL</i>	ring finger and FYVE like domain containing E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:24821]
1,450490929	3,41E-110	4,63E-108	<i>ARHGEF6</i>	Rac/Cdc42 guanine nucleotide exchange factor 6 [Source:HGNC Symbol;Acc:HGNC:685]
1,448455073	0,000161236	0,000709493	<i>TCERG1L</i>	transcription elongation regulator 1 like [Source:HGNC Symbol;Acc:HGNC:23533]
1,442347222	2,84E-20	4,63E-19	<i>NDNF</i>	neuron derived neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:26256]
1,439349981	0,001443382	0,005276992	<i>SH3GL2</i>	SH3 domain containing GRB2 like 2, endophilin A1 [Source:HGNC Symbol;Acc:HGNC:10831]
1,438390628	5,02E-26	1,05E-24	<i>SLC14A1</i>	solute carrier family 14 member 1 (Kidd blood group) [Source:HGNC Symbol;Acc:HGNC:10918]
1,432726131	0,000286877	0,001200329	<i>KIAA1211L</i>	KIAA1211 like [Source:HGNC Symbol;Acc:HGNC:33454]
1,431859918	3,20E-109	4,28E-107	<i>ITPKB</i>	inositol-trisphosphate 3-kinase B [Source:HGNC Symbol;Acc:HGNC:6179]
1,429118807	1,29E-56	6,80E-55	<i>CHST11</i>	carbohydrate sulfotransferase 11 [Source:HGNC Symbol;Acc:HGNC:17422]
1,428241033	6,92E-52	3,18E-50	<i>DOCK4</i>	dedicator of cytokinesis 4 [Source:HGNC Symbol;Acc:HGNC:19192]
1,427621342	1,46E-67	9,68E-66	<i>ASTN1</i>	astrotactin 1 [Source:HGNC Symbol;Acc:HGNC:773]
1,423582803	1,84E-08	1,35E-07	<i>CPAMD8</i>	C3 and PZP like, alpha-2-macroglobulin domain containing 8 [Source:HGNC Symbol;Acc:HGNC:23228]
1,422996291	1,25E-47	5,29E-46	<i>RGS20</i>	regulator of G protein signaling 20 [Source:HGNC Symbol;Acc:HGNC:14600]
1,421725003	6,63E-41	2,29E-39	<i>GEM</i>	GTP binding protein overexpressed in skeletal muscle [Source:HGNC Symbol;Acc:HGNC:4234]
1,421122652	0,016992867	0,047028503	<i>TBC1D30</i>	TBC1 domain family member 30 [Source:HGNC Symbol;Acc:HGNC:29164]
1,420498186	3,48E-60	2,01E-58	<i>GMDS</i>	GDP-mannose 4,6-dehydratase [Source:HGNC Symbol;Acc:HGNC:4369]
1,420295036	1,05E-07	7,16E-07	<i>TNXB</i>	tenascin XB [Source:HGNC Symbol;Acc:HGNC:11976]
1,419468927	0,000198802	0,000859109	<i>ADAMTS4</i>	ADAM metalloproteinase with thrombospondin type 1 motif 4 [Source:HGNC Symbol;Acc:HGNC:220]

1,417640731	2,03E-12	2,12E-11	RBM47	RNA binding motif protein 47 [Source:HGNC Symbol;Acc:HGNC:30358]
1,417540985	5,54E-18	8,11E-17	IFI44L	interferon induced protein 44 like [Source:HGNC Symbol;Acc:HGNC:17817]
1,417134541	0,006665358	0,020862572	LHFPL3	LHFPL tetraspan subfamily member 3 [Source:HGNC Symbol;Acc:HGNC:6589]
1,417029113	2,51E-28	5,74E-27	NPTX2	neuronal pentraxin 2 [Source:HGNC Symbol;Acc:HGNC:7953]
1,416065781	0,002464787	0,008573518	FNDC11	fibronectin type III domain containing 11 [Source:HGNC Symbol;Acc:HGNC:28764]
1,414215634	2,72E-200	1,05E-197	HTRA1	HtrA serine peptidase 1 [Source:HGNC Symbol;Acc:HGNC:9476]
1,413948511	2,97E-12	3,04E-11	THSD7A	thrombospondin type 1 domain containing 7A [Source:HGNC Symbol;Acc:HGNC:22207]
1,412482303	0,008887038	0,026813099	TH	tyrosine hydroxylase [Source:HGNC Symbol;Acc:HGNC:11782]
1,410427948	1,15E-60	6,73E-59	CSDC2	cold shock domain containing C2 [Source:HGNC Symbol;Acc:HGNC:30359]
1,409864889	3,78E-121	5,96E-119	ADD3	adducin 3 [Source:HGNC Symbol;Acc:HGNC:245]
1,409265894	0,001552363	0,005635083	ADAMTS19	ADAM metallopeptidase with thrombospondin type 1 motif 19 [Source:HGNC Symbol;Acc:HGNC:17111]
1,406210198	2,44E-98	2,89E-96	BTG1	BTG anti-proliferation factor 1 [Source:HGNC Symbol;Acc:HGNC:1130]
1,402520967	5,33E-70	3,68E-68	TRIM9	tripartite motif containing 9 [Source:HGNC Symbol;Acc:HGNC:16288]
1,400284885	1,29E-05	6,75E-05	WNT11	Wnt family member 11 [Source:HGNC Symbol;Acc:HGNC:12776]
1,398631659	0,004949674	0,016003561	CACNA1D	calcium voltage-gated channel subunit alpha1 D [Source:HGNC Symbol;Acc:HGNC:1391]
1,39166917	4,87E-05	0,000235226	HCN1	hyperpolarization activated cyclic nucleotide gated potassium channel 1 [Source:HGNC Symbol;Acc:HGNC:4845]
1,38845543	1,14E-11	1,10E-10	ERC2	ELKS/RAB6-interacting/CAST family member 2 [Source:HGNC Symbol;Acc:HGNC:31922]
1,384516966	0,000645461	0,002545899	CDNF	cerebral dopamine neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:24913]
1,382834412	7,73E-21	1,29E-19	TMEM63C	transmembrane protein 63C [Source:HGNC Symbol;Acc:HGNC:23787]
1,382672126	3,30E-12	3,36E-11	MGAT4A	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A [Source:HGNC Symbol;Acc:HGNC:7047]
1,380779662	1,70E-115	2,54E-113	SRPX	sushi repeat containing protein X-linked [Source:HGNC Symbol;Acc:HGNC:11309]
1,380564643	2,61E-07	1,70E-06	ADGRB1	adhesion G protein-coupled receptor B1 [Source:HGNC Symbol;Acc:HGNC:943]
1,380233113	1,91E-95	2,11E-93	UBASH3B	ubiquitin associated and SH3 domain containing B [Source:HGNC Symbol;Acc:HGNC:29884]
1,380067719	0,014636572	0,041302502	STUM	stum, mechanosensory transduction mediator homolog [Source:HGNC Symbol;Acc:HGNC:30491]
1,378842714	4,11E-79	3,38E-77	SPRY4	sprouty RTK signaling antagonist 4 [Source:HGNC Symbol;Acc:HGNC:15533]
1,377976038	2,02E-45	7,95E-44	BCL2L11	BCL2 like 11 [Source:HGNC Symbol;Acc:HGNC:994]
1,376714453	4,87E-06	2,70E-05	KCNQ3	potassium voltage-gated channel subfamily Q member 3 [Source:HGNC Symbol;Acc:HGNC:6297]
1,375685203	3,93E-06	2,21E-05	MERTK	MER proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:7027]
1,374940309	5,88E-14	6,80E-13	EFNA5	ephrin A5 [Source:HGNC Symbol;Acc:HGNC:3225]
1,374605581	7,86E-08	5,42E-07	VAV3	vav guanine nucleotide exchange factor 3 [Source:HGNC Symbol;Acc:HGNC:12659]
1,372915098	0,00020084	0,00086592	LRRK2	leucine rich repeat kinase 2 [Source:HGNC Symbol;Acc:HGNC:18618]

1,370505662	2,12E-51	9,68E-50	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3 [Source:HGNC Symbol;Acc:HGNC:13561]
1,369217915	1,37E-16	1,84E-15	TMEM163	transmembrane protein 163 [Source:HGNC Symbol;Acc:HGNC:25380]
1,364784467	7,23E-30	1,76E-28	RRAGD	Ras related GTP binding D [Source:HGNC Symbol;Acc:HGNC:19903]
1,363407717	7,33E-17	1,01E-15	PLCD4	phospholipase C delta 4 [Source:HGNC Symbol;Acc:HGNC:9062]
1,362937078	7,23E-09	5,52E-08	UBXN10	UBX domain protein 10 [Source:HGNC Symbol;Acc:HGNC:26354]
1,362768794	0,000940677	0,003582177	PVRIG	PVR related immunoglobulin domain containing [Source:HGNC Symbol;Acc:HGNC:32190]
1,361612321	9,28E-09	7,02E-08	RAB3IL1	RAB3A interacting protein like 1 [Source:HGNC Symbol;Acc:HGNC:9780]
1,360020803	2,06E-09	1,64E-08	KLHDC8A	kelch domain containing 8A [Source:HGNC Symbol;Acc:HGNC:25573]
1,359701203	0,0010047	0,003798405	EYA1	EYA transcriptional coactivator and phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3519]
1,356209195	4,77E-14	5,55E-13	IQCN	IQ motif containing N [Source:HGNC Symbol;Acc:HGNC:29350]
1,353775132	1,86E-26	3,96E-25	MCF2L	MCF,2 cell line derived transforming sequence like [Source:HGNC Symbol;Acc:HGNC:14576]
1,352119757	3,54E-24	6,88E-23	DLGAP1	DLG associated protein 1 [Source:HGNC Symbol;Acc:HGNC:2905]
1,351622946	0,010691552	0,031469779	C7	complement C7 [Source:HGNC Symbol;Acc:HGNC:1346]
1,349862955	2,09E-27	4,61E-26	TFPI2	tissue factor pathway inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:11761]
1,349393715	2,52E-09	2,01E-08	ST6GALNAC5	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:19342]
1,347481007	5,38E-84	4,86E-82	TCN2	transcobalamin 2 [Source:HGNC Symbol;Acc:HGNC:11653]
1,346312571	8,59E-12	8,40E-11	METTL7B	methyltransferase like 7B [Source:HGNC Symbol;Acc:HGNC:28276]
1,345163949	5,54E-22	9,70E-21	GLCCI1	glucocorticoid induced 1 [Source:HGNC Symbol;Acc:HGNC:18713]
1,342476835	1,36E-05	7,11E-05	YPEL4	yippee like 4 [Source:HGNC Symbol;Acc:HGNC:18328]
1,338988145	2,52E-28	5,76E-27	FAM49A	family with sequence similarity 49 member A [Source:HGNC Symbol;Acc:HGNC:25373]
1,337346656	2,62E-17	3,70E-16	GPNMB	glycoprotein nmb [Source:HGNC Symbol;Acc:HGNC:4462]
1,33495626	0,00728276	0,022508239	SLCO4C1	solute carrier organic anion transporter family member 4C1 [Source:HGNC Symbol;Acc:HGNC:23612]
1,334495427	0,005892807	0,018716174	ATP2A3	ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 3 [Source:HGNC Symbol;Acc:HGNC:813]
1,334054653	5,28E-31	1,34E-29	INSM1	INSM transcriptional repressor 1 [Source:HGNC Symbol;Acc:HGNC:6090]
1,333479684	1,27E-20	2,10E-19	GPAT3	glycerol-3-phosphate acyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:28157]
1,332368694	8,23E-14	9,43E-13	ATP8A1	ATPase phospholipid transporting 8A1 [Source:HGNC Symbol;Acc:HGNC:13531]
1,331072716	0,000924773	0,00352854	RIBC1	RIB43A domain with coiled-coils 1 [Source:HGNC Symbol;Acc:HGNC:26537]
1,330213982	0,001320121	0,004864845	ASXL3	ASXL transcriptional regulator 3 [Source:HGNC Symbol;Acc:HGNC:29357]
1,329826833	8,86E-149	2,07E-146	ARHGAP21	Rho GTPase activating protein 21 [Source:HGNC Symbol;Acc:HGNC:23725]
1,329652578	4,38E-58	2,37E-56	PAK3	p21 (RAC1) activated kinase 3 [Source:HGNC Symbol;Acc:HGNC:8592]
1,329329765	7,51E-11	6,77E-10	ALDH1A1	aldehyde dehydrogenase 1 family member A1 [Source:HGNC Symbol;Acc:HGNC:402]
1,326948378	0,00082051	0,003169349	CHST9	carbohydrate sulfotransferase 9 [Source:HGNC Symbol;Acc:HGNC:19898]

1,326726726	0,000126783	0,000570184	GRHL3	grainyhead like transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:25839]
1,32412287	8,05E-05	0,000374976	ATP13A4	ATPase 13A4 [Source:HGNC Symbol;Acc:HGNC:25422]
1,322168728	4,35E-11	4,02E-10	PLXNC1	plexin C1 [Source:HGNC Symbol;Acc:HGNC:9106]
1,318806668	4,24E-05	0,000207035	SYTL1	synaptotagmin like 1 [Source:HGNC Symbol;Acc:HGNC:15584]
1,318167895	4,52E-06	2,52E-05	GDF10	growth differentiation factor 10 [Source:HGNC Symbol;Acc:HGNC:4215]
1,315990691	1,57E-14	1,87E-13	MYO5B	myosin VB [Source:HGNC Symbol;Acc:HGNC:7603]
1,315586242	0,009239158	0,0277344	NKX6-2	NK6 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:19321]
1,315581919	0,011533126	0,033676172	HOXB8	homeobox B8 [Source:HGNC Symbol;Acc:HGNC:5119]
1,312657673	6,53E-45	2,54E-43	NDRG1	N-myc downstream regulated 1 [Source:HGNC Symbol;Acc:HGNC:7679]
1,310654043	3,21E-19	5,01E-18	CHST1	carbohydrate sulfotransferase 1 [Source:HGNC Symbol;Acc:HGNC:1969]
1,309767563	1,54E-07	1,02E-06	ACER2	alkaline ceramidase 2 [Source:HGNC Symbol;Acc:HGNC:23675]
1,309517474	0,00196135	0,006963402	LRRTM4	leucine rich repeat transmembrane neuronal 4 [Source:HGNC Symbol;Acc:HGNC:19411]
1,309373701	2,38E-27	5,24E-26	CREBRF	CREB3 regulatory factor [Source:HGNC Symbol;Acc:HGNC:24050]
1,30927508	1,16E-09	9,43E-09	DBP	D-box binding PAR bZIP transcription factor [Source:HGNC Symbol;Acc:HGNC:2697]
1,308107364	7,73E-09	5,88E-08	CACNA1E	calcium voltage-gated channel subunit alpha1 E [Source:HGNC Symbol;Acc:HGNC:1392]
1,307308605	1,29E-57	6,93E-56	LSAMP	limbic system associated membrane protein [Source:HGNC Symbol;Acc:HGNC:6705]
1,305429232	3,25E-13	3,59E-12	DNAH9	dynein axonemal heavy chain 9 [Source:HGNC Symbol;Acc:HGNC:2953]
1,303046694	9,50E-37	2,94E-35	SH3BP5	SH3 domain binding protein 5 [Source:HGNC Symbol;Acc:HGNC:10827]
1,302287131	1,57E-68	1,05E-66	SOC56	suppressor of cytokine signaling 6 [Source:HGNC Symbol;Acc:HGNC:16833]
1,299889823	1,25E-65	8,15E-64	HES6	hes family bHLH transcription factor 6 [Source:HGNC Symbol;Acc:HGNC:18254]
1,29766008	1,93E-55	9,84E-54	CTNNBIP1	catenin beta interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:16913]
1,297352146	1,64E-07	1,09E-06	NMNAT3	nicotinamide nucleotide adenylyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:20989]
1,297239144	0,013075572	0,037502889	FGD3	FYVE, RhoGEF and PH domain containing 3 [Source:HGNC Symbol;Acc:HGNC:16027]
1,296920947	5,06E-51	2,30E-49	MXI1	MAX interactor 1, dimerization protein [Source:HGNC Symbol;Acc:HGNC:7534]
1,296096447	2,10E-31	5,43E-30	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2 [Source:HGNC Symbol;Acc:HGNC:3364]
1,295387942	2,55E-16	3,38E-15	TMEM35A	transmembrane protein 35A [Source:HGNC Symbol;Acc:HGNC:25864]
1,294155516	0,000501096	0,002009977	GJA3	gap junction protein alpha 3 [Source:HGNC Symbol;Acc:HGNC:4277]
1,294000624	5,16E-06	2,85E-05	RASEF	RAS and EF-hand domain containing [Source:HGNC Symbol;Acc:HGNC:26464]
1,292996161	0,000488059	0,001963773	MISP3	MISP family member 3 [Source:HGNC Symbol;Acc:HGNC:26963]
1,292448629	5,24E-06	2,90E-05	C15orf62	chromosome 15 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:34489]
1,290105432	1,13E-07	7,64E-07	RDH5	retinol dehydrogenase 5 [Source:HGNC Symbol;Acc:HGNC:9940]
1,288321652	0,007619284	0,023405883	SMPD3	sphingomyelin phosphodiesterase 3 [Source:HGNC Symbol;Acc:HGNC:14240]
1,288016933	3,27E-62	1,98E-60	RGMA	repulsive guidance molecule BMP co-receptor a [Source:HGNC Symbol;Acc:HGNC:30308]

1,28422181	1,84E-17	2,63E-16	<i>SLC1A1</i>	solute carrier family 1 member 1 [Source:HGNC Symbol;Acc:HGNC:10939]
1,282084481	2,73E-29	6,49E-28	<i>SYTL5</i>	synaptotagmin like 5 [Source:HGNC Symbol;Acc:HGNC:15589]
1,276296298	0,001651129	0,00595462	<i>PGF</i>	placental growth factor [Source:HGNC Symbol;Acc:HGNC:8893]
1,274672805	9,16E-11	8,20E-10	<i>CASKIN1</i>	CASK interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:20879]
1,272399302	1,73E-93	1,86E-91	<i>JMJD1C</i>	jumonji domain containing 1C [Source:HGNC Symbol;Acc:HGNC:12313]
1,272015023	1,75E-56	9,13E-55	<i>TNFRSF21</i>	TNF receptor superfamily member 21 [Source:HGNC Symbol;Acc:HGNC:13469]
1,270707778	4,21E-21	7,16E-20	<i>LRRTM2</i>	leucine rich repeat transmembrane neuronal 2 [Source:HGNC Symbol;Acc:HGNC:19409]
1,270254724	3,29E-97	3,80E-95	<i>ALDH3A2</i>	aldehyde dehydrogenase 3 family member A2 [Source:HGNC Symbol;Acc:HGNC:403]
1,269682881	0,003387487	0,011392994	<i>EPCAM</i>	epithelial cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:11529]
1,266723378	1,04E-07	7,10E-07	<i>CTTNBP2</i>	cortactin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:15679]
1,266692621	0,000894748	0,003422049	<i>MCF2</i>	MCF,2 cell line derived transforming sequence [Source:HGNC Symbol;Acc:HGNC:6940]
1,265719489	2,96E-13	3,27E-12	<i>OGDHL</i>	oxoglutarate dehydrogenase like [Source:HGNC Symbol;Acc:HGNC:25590]
1,265422118	7,38E-31	1,87E-29	<i>TOX3</i>	TOX high mobility group box family member 3 [Source:HGNC Symbol;Acc:HGNC:11972]
1,264817592	4,68E-15	5,76E-14	<i>HGD</i>	homogentisate 1,2-dioxygenase [Source:HGNC Symbol;Acc:HGNC:4892]
1,263297912	1,69E-11	1,61E-10	<i>SELPLG</i>	selectin P ligand [Source:HGNC Symbol;Acc:HGNC:10722]
1,263159636	0,002434534	0,008480446	<i>KCNH3</i>	potassium voltage-gated channel subfamily H member 3 [Source:HGNC Symbol;Acc:HGNC:6252]
1,261871838	1,49E-167	4,66E-165	<i>TIMP1</i>	TIMP metalloproteinase inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:11820]
1,259252154	1,43E-90	1,48E-88	<i>METTL7A</i>	methyltransferase like 7A [Source:HGNC Symbol;Acc:HGNC:24550]
1,257068891	3,44E-111	4,77E-109	<i>SPRY2</i>	sprouty RTK signaling antagonist 2 [Source:HGNC Symbol;Acc:HGNC:11270]
1,252682836	8,27E-08	5,69E-07	<i>RGR</i>	retinal G protein coupled receptor [Source:HGNC Symbol;Acc:HGNC:9990]
1,252405072	5,31E-95	5,82E-93	<i>DECR1</i>	2,4-dienoyl-CoA reductase 1 [Source:HGNC Symbol;Acc:HGNC:2753]
1,251995377	6,99E-86	6,62E-84	<i>AIF1L</i>	allograft inflammatory factor 1 like [Source:HGNC Symbol;Acc:HGNC:28904]
1,251391535	2,19E-14	2,60E-13	<i>RAB26</i>	RAB26, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:14259]
1,251093835	4,57E-11	4,20E-10	<i>HIST1H2BG</i>	histone cluster 1 H2B family member g [Source:HGNC Symbol;Acc:HGNC:4746]
1,250562286	1,25E-48	5,38E-47	<i>ADGRL4</i>	adhesion G protein-coupled receptor L4 [Source:HGNC Symbol;Acc:HGNC:20822]
1,248624048	3,56E-136	7,20E-134	<i>CHST2</i>	carbohydrate sulfotransferase 2 [Source:HGNC Symbol;Acc:HGNC:1970]
1,246266381	5,58E-13	6,08E-12	<i>BMF</i>	Bcl2 modifying factor [Source:HGNC Symbol;Acc:HGNC:24132]
1,245147428	5,54E-15	6,77E-14	<i>ACSS1</i>	acyl-CoA synthetase short chain family member 1 [Source:HGNC Symbol;Acc:HGNC:16091]
1,24467941	2,67E-23	4,95E-22	<i>NTNG2</i>	netrin G2 [Source:HGNC Symbol;Acc:HGNC:14288]
1,242172565	0,010594849	0,031237259	<i>GAL</i>	galanin and GMAP prepropeptide [Source:HGNC Symbol;Acc:HGNC:4114]
1,240067917	1,09E-49	4,86E-48	<i>RTL5</i>	retrotransposon Gag like 5 [Source:HGNC Symbol;Acc:HGNC:29430]

1,234173199	2,14E-45	8,44E-44	KIF13B	kinesin family member 13B [Source:HGNC Symbol;Acc:HGNC:14405]
1,233072538	5,72E-08	4,00E-07	GHR	growth hormone receptor [Source:HGNC Symbol;Acc:HGNC:4263]
1,232897907	0,00043069	0,001750359	GRASP	general receptor for phosphoinositides 1 associated scaffold protein [Source:HGNC Symbol;Acc:HGNC:18707]
1,232779446	7,34E-20	1,17E-18	ADCY1	adenylate cyclase 1 [Source:HGNC Symbol;Acc:HGNC:232]
1,231546815	0,004310824	0,014147383	IQCD	IQ motif containing D [Source:HGNC Symbol;Acc:HGNC:25168]
1,229874786	4,59E-42	1,64E-40	NT5DC1	5'-nucleotidase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21556]
1,222936486	3,37E-09	2,65E-08	NHSL2	NHS like 2 [Source:HGNC Symbol;Acc:HGNC:33737]
1,221249108	3,75E-12	3,79E-11	NCAM2	neural cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:7657]
1,220990933	3,08E-06	1,76E-05	CCNA1	cyclin A1 [Source:HGNC Symbol;Acc:HGNC:1577]
1,217227512	1,05E-07	7,12E-07	GAD1	glutamate decarboxylase 1 [Source:HGNC Symbol;Acc:HGNC:4092]
1,215852973	2,08E-38	6,73E-37	ACSS2	acyl-CoA synthetase short chain family member 2 [Source:HGNC Symbol;Acc:HGNC:15814]
1,214670462	0,009255022	0,027759926	OSCAR	osteoclast associated, immunoglobulin-like receptor [Source:HGNC Symbol;Acc:HGNC:29960]
1,213793155	2,03E-42	7,37E-41	TIAM1	T cell lymphoma invasion and metastasis 1 [Source:HGNC Symbol;Acc:HGNC:11805]
1,207445145	1,45E-14	1,73E-13	STK32B	serine/threonine kinase 32B [Source:HGNC Symbol;Acc:HGNC:14217]
1,206049846	2,59E-07	1,69E-06	YPEL1	yippee like 1 [Source:HGNC Symbol;Acc:HGNC:12845]
1,20002522	5,17E-06	2,86E-05	FNDC5	fibronectin type III domain containing 5 [Source:HGNC Symbol;Acc:HGNC:20240]
1,198559831	9,37E-32	2,45E-30	GNG2	G protein subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:4404]
1,198160217	0,004978426	0,016088481	NDST3	N-deacetylase and N-sulfotransferase 3 [Source:HGNC Symbol;Acc:HGNC:7682]
1,197554909	8,31E-07	5,10E-06	SMIM10L2A	small integral membrane protein 10 like 2A [Source:HGNC Symbol;Acc:HGNC:34499]
1,197300531	5,02E-33	1,37E-31	YPEL3	yippee like 3 [Source:HGNC Symbol;Acc:HGNC:18327]
1,196039792	1,03E-52	4,89E-51	LRRC17	leucine rich repeat containing 17 [Source:HGNC Symbol;Acc:HGNC:16895]
1,194394533	0,010190409	0,030195876	AGTR1	angiotensin II receptor type 1 [Source:HGNC Symbol;Acc:HGNC:336]
1,192784567	6,49E-65	4,18E-63	POSTN	periostin [Source:HGNC Symbol;Acc:HGNC:16953]
1,191525689	4,68E-16	6,08E-15	PTPRN	protein tyrosine phosphatase, receptor type N [Source:HGNC Symbol;Acc:HGNC:9676]
1,190637256	1,95E-19	3,08E-18	EDNRA	endothelin receptor type A [Source:HGNC Symbol;Acc:HGNC:3179]
1,190315172	6,66E-12	6,58E-11	PDE3A	phosphodiesterase 3A [Source:HGNC Symbol;Acc:HGNC:8778]
1,189328016	0,000109709	0,000498249	ANKRD53	ankyrin repeat domain 53 [Source:HGNC Symbol;Acc:HGNC:25691]
1,188396454	5,37E-11	4,91E-10	RFTN2	raftlin family member 2 [Source:HGNC Symbol;Acc:HGNC:26402]
1,187504504	1,22E-15	1,55E-14	PCDH17	protocadherin 17 [Source:HGNC Symbol;Acc:HGNC:14267]
1,187223179	9,07E-29	2,12E-27	IL33	interleukin 33 [Source:HGNC Symbol;Acc:HGNC:16028]
1,18501184	1,65E-19	2,61E-18	RNF128	ring finger protein 128, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:21153]
1,177595958	5,57E-05	0,000266519	ANKRD36C	ankyrin repeat domain 36C [Source:HGNC Symbol;Acc:HGNC:32946]
1,177031117	8,35E-18	1,22E-16	ETV4	ETS variant 4 [Source:HGNC Symbol;Acc:HGNC:3493]
1,176865822	3,39E-60	1,96E-58	OAF	out at first homolog [Source:HGNC Symbol;Acc:HGNC:28752]

1,175753252	7,98E-09	6,07E-08	ZIC4	Zic family member 4 [Source:HGNC Symbol;Acc:HGNC:20393]
1,175273238	4,09E-11	3,81E-10	ARHGAP24	Rho GTPase activating protein 24 [Source:HGNC Symbol;Acc:HGNC:25361]
1,173530508	2,46E-31	6,34E-30	KIF26B	kinesin family member 26B [Source:HGNC Symbol;Acc:HGNC:25484]
1,173309918	1,21E-06	7,28E-06	PODN	podocan [Source:HGNC Symbol;Acc:HGNC:23174]
1,172636033	4,78E-49	2,10E-47	SASH1	SAM and SH3 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19182]
1,172362989	5,66E-29	1,34E-27	COQ8A	coenzyme Q8A [Source:HGNC Symbol;Acc:HGNC:16812]
1,170684323	0,003628177	0,012118485	PTGER1	prostaglandin E receptor 1 [Source:HGNC Symbol;Acc:HGNC:9593]
1,169095674	3,86E-10	3,30E-09	AK5	adenylate kinase 5 [Source:HGNC Symbol;Acc:HGNC:365]
1,168530829	8,01E-153	2,07E-150	SMS	spermine synthase [Source:HGNC Symbol;Acc:HGNC:11123]
1,166412125	7,11E-07	4,40E-06	ICA1	islet cell autoantigen 1 [Source:HGNC Symbol;Acc:HGNC:5343]
1,164265203	9,27E-15	1,12E-13	SHROOM2	shroom family member 2 [Source:HGNC Symbol;Acc:HGNC:630]
1,163192405	0,005036993	0,01625339	EGR3	early growth response 3 [Source:HGNC Symbol;Acc:HGNC:3240]
1,162876507	7,48E-07	4,62E-06	ITGA8	integrin subunit alpha 8 [Source:HGNC Symbol;Acc:HGNC:6144]
1,162345016	1,22E-07	8,21E-07	ABCA5	ATP binding cassette subfamily A member 5 [Source:HGNC Symbol;Acc:HGNC:35]
1,160359112	3,62E-26	7,64E-25	PTCH1	patched 1 [Source:HGNC Symbol;Acc:HGNC:9585]
1,159522838	1,31E-12	1,38E-11	XKR4	XK related 4 [Source:HGNC Symbol;Acc:HGNC:29394]
1,158188867	6,84E-90	6,87E-88	CAMK2N1	calcium/calmodulin dependent protein kinase II inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:24190]
1,157827631	3,01E-11	2,83E-10	TMC7	transmembrane channel like 7 [Source:HGNC Symbol;Acc:HGNC:23000]
1,156887334	2,36E-08	1,72E-07	SELENOP	selenoprotein P [Source:HGNC Symbol;Acc:HGNC:10751]
1,152674789	3,39E-29	8,06E-28	ABHD6	abhydrolase domain containing 6 [Source:HGNC Symbol;Acc:HGNC:21398]
1,151974172	3,23E-118	4,89E-116	TCF12	transcription factor 12 [Source:HGNC Symbol;Acc:HGNC:11623]
1,151681166	0,014854253	0,041834213	AQP2	aquaporin 2 [Source:HGNC Symbol;Acc:HGNC:634]
1,151258584	0,001224063	0,004541037	AZGP1	alpha-2-glycoprotein 1, zinc-binding [Source:HGNC Symbol;Acc:HGNC:910]
1,149904809	1,42E-08	1,06E-07	ANKRD35	ankyrin repeat domain 35 [Source:HGNC Symbol;Acc:HGNC:26323]
1,149687398	2,75E-59	1,55E-57	DTNA	dystrobrevin alpha [Source:HGNC Symbol;Acc:HGNC:3057]
1,149227224	0,003645368	0,012167529	DLX1	distal-less homeobox 1 [Source:HGNC Symbol;Acc:HGNC:2914]
1,149009742	5,49E-09	4,23E-08	MYCL	MYCL proto-oncogene, bHLH transcription factor [Source:HGNC Symbol;Acc:HGNC:7555]
1,148547823	1,31E-26	2,82E-25	SP8	Sp8 transcription factor [Source:HGNC Symbol;Acc:HGNC:19196]
1,148303519	4,43E-05	0,000215272	CADM2	cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:29849]
1,146247723	3,98E-14	4,66E-13	PCDHGC4	protocadherin gamma subfamily C, 4 [Source:HGNC Symbol;Acc:HGNC:8717]
1,14557331	0,011187259	0,032794554	INO80B	INO80 complex subunit B [Source:HGNC Symbol;Acc:HGNC:13324]
1,14463039	5,98E-32	1,58E-30	SMIM3	small integral membrane protein 3 [Source:HGNC Symbol;Acc:HGNC:30248]
1,144252955	0,014461079	0,04089053	ETV2	ETS variant 2 [Source:HGNC Symbol;Acc:HGNC:3491]
1,143565666	2,08E-07	1,37E-06	HIST1H2BC	histone cluster 1 H2B family member c [Source:HGNC Symbol;Acc:HGNC:4757]

1,142796122	3,48E-25	7,01E-24	<i>SLC1A2</i>	solute carrier family 1 member 2 [Source:HGNC Symbol;Acc:HGNC:10940]
1,142401962	4,09E-19	6,35E-18	<i>PLCL2</i>	phospholipase C like 2 [Source:HGNC Symbol;Acc:HGNC:9064]
1,141029288	7,34E-25	1,46E-23	<i>MEGF10</i>	multiple EGF like domains 10 [Source:HGNC Symbol;Acc:HGNC:29634]
1,139966397	1,77E-09	1,42E-08	<i>ADAM22</i>	ADAM metalloproteinase domain 22 [Source:HGNC Symbol;Acc:HGNC:201]
1,139815633	1,37E-05	7,14E-05	<i>C2orf92</i>	chromosome 2 open reading frame 92 [Source:HGNC Symbol;Acc:HGNC:49272]
1,138834779	3,90E-55	1,96E-53	<i>FDXR</i>	ferredoxin reductase [Source:HGNC Symbol;Acc:HGNC:3642]
1,137560137	0,011648939	0,033978553	<i>LDHD</i>	lactate dehydrogenase D [Source:HGNC Symbol;Acc:HGNC:19708]
1,137456229	6,04E-127	1,04E-124	<i>G6PD</i>	glucose-6-phosphate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:4057]
1,134622126	0,000225473	0,000962077	<i>DLG2</i>	discs large MAGUK scaffold protein 2 [Source:HGNC Symbol;Acc:HGNC:2901]
1,13119947	3,31E-05	0,000163932	<i>SLC16A14</i>	solute carrier family 16 member 14 [Source:HGNC Symbol;Acc:HGNC:26417]
1,12904793	0,000949081	0,003605691	<i>TGFBR3</i>	transforming growth factor beta receptor 3 [Source:HGNC Symbol;Acc:HGNC:11774]
1,128550904	0,017683012	0,04868159	<i>HIST1H2AI</i>	histone cluster 1 H2A family member i [Source:HGNC Symbol;Acc:HGNC:4725]
1,128493302	3,24E-07	2,08E-06	<i>DUSP15</i>	dual specificity phosphatase 15 [Source:HGNC Symbol;Acc:HGNC:16236]
1,127670281	1,96E-07	1,29E-06	<i>PTPRH</i>	protein tyrosine phosphatase, receptor type H [Source:HGNC Symbol;Acc:HGNC:9672]
1,126491164	1,16E-32	3,15E-31	<i>CNTNAP2</i>	contactin associated protein like 2 [Source:HGNC Symbol;Acc:HGNC:13830]
1,121062122	0,000448426	0,001816355	<i>TSPAN7</i>	tetraspanin 7 [Source:HGNC Symbol;Acc:HGNC:11854]
1,114906403	0,001656226	0,005969672	<i>ZSWIM5</i>	zinc finger SWIM-type containing 5 [Source:HGNC Symbol;Acc:HGNC:29299]
1,113970219	2,36E-111	3,32E-109	<i>CORO2B</i>	coronin 2B [Source:HGNC Symbol;Acc:HGNC:2256]
1,111435908	2,66E-100	3,21E-98	<i>EGFR</i>	epidermal growth factor receptor [Source:HGNC Symbol;Acc:HGNC:3236]
1,111039792	1,91E-28	4,40E-27	<i>RIN1</i>	Ras and Rab interactor 1 [Source:HGNC Symbol;Acc:HGNC:18749]
1,110161171	3,72E-08	2,65E-07	<i>PPP1R14C</i>	protein phosphatase 1 regulatory inhibitor subunit 14C [Source:HGNC Symbol;Acc:HGNC:14952]
1,105956128	3,45E-32	9,19E-31	<i>PIK3IP1</i>	phosphoinositide-3-kinase interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:24942]
1,105375418	0,003205512	0,010841087	<i>ITPKA</i>	inositol-trisphosphate 3-kinase A [Source:HGNC Symbol;Acc:HGNC:6178]
1,104179636	1,42E-09	1,15E-08	<i>FEZF2</i>	FEZ family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:13506]
1,101124162	0,002737734	0,009408264	<i>LCN12</i>	lipocalin 12 [Source:HGNC Symbol;Acc:HGNC:28733]
1,100766699	0,001542299	0,005604842	<i>SLC13A4</i>	solute carrier family 13 member 4 [Source:HGNC Symbol;Acc:HGNC:15827]
1,099564057	0,011238416	0,032908225	<i>RAB33A</i>	RAB33A, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9773]
1,09895401	4,44E-166	1,32E-163	<i>FTL</i>	ferritin light chain [Source:HGNC Symbol;Acc:HGNC:3999]
1,097428068	2,90E-20	4,72E-19	<i>Orai3</i>	Orai calcium release-activated calcium modulator 3 [Source:HGNC Symbol;Acc:HGNC:28185]
1,095963003	2,04E-14	2,42E-13	<i>ST3GAL5</i>	ST3 beta-galactoside alpha-2,3-sialyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:10872]
1,094891295	2,32E-21	3,99E-20	<i>RETM1</i>	reticulophagy regulator 1 [Source:HGNC Symbol;Acc:HGNC:25964]
1,091093159	8,50E-54	4,12E-52	<i>TM7SF2</i>	transmembrane 7 superfamily member 2 [Source:HGNC Symbol;Acc:HGNC:11863]
1,091023375	3,28E-07	2,10E-06	<i>GGN</i>	gametogenin [Source:HGNC Symbol;Acc:HGNC:18869]

1,089323542	1,17E-14	1,41E-13	STK32A	serine/threonine kinase 32A [Source:HGNC Symbol;Acc:HGNC:28317]
1,088029839	0,006544519	0,020540667	CCDC30	coiled-coil domain containing 30 [Source:HGNC Symbol;Acc:HGNC:26103]
1,086591765	0,002050976	0,007256381	SMIM1	small integral membrane protein 1 (Vel blood group) [Source:HGNC Symbol;Acc:HGNC:44204]
1,084565878	9,28E-06	4,96E-05	TENM1	teneurin transmembrane protein 1 [Source:HGNC Symbol;Acc:HGNC:8117]
1,083975814	0,012208992	0,035388751	UNC79	unc-79 homolog, NALCN channel complex subunit [Source:HGNC Symbol;Acc:HGNC:19966]
1,083966179	1,02E-21	1,78E-20	NBPF14	NBPF member 14 [Source:HGNC Symbol;Acc:HGNC:25232]
1,083933343	2,20E-123	3,59E-121	TRIB2	tribbles pseudokinase 2 [Source:HGNC Symbol;Acc:HGNC:30809]
1,081377706	2,68E-36	8,19E-35	GPR153	G protein-coupled receptor 153 [Source:HGNC Symbol;Acc:HGNC:23618]
1,080765115	2,54E-16	3,36E-15	HIST1H3E	histone cluster 1 H3 family member e [Source:HGNC Symbol;Acc:HGNC:4769]
1,080086821	0,00064224	0,002534738	FAM222A	family with sequence similarity 222 member A [Source:HGNC Symbol;Acc:HGNC:25915]
1,079663456	6,52E-14	7,51E-13	KCNE4	potassium voltage-gated channel subfamily E regulatory subunit 4 [Source:HGNC Symbol;Acc:HGNC:6244]
1,078799022	9,64E-76	7,28E-74	EFHD2	EF-hand domain family member D2 [Source:HGNC Symbol;Acc:HGNC:28670]
1,078738696	2,68E-06	1,54E-05	CES4A	carboxylesterase 4A [Source:HGNC Symbol;Acc:HGNC:26741]
1,077883593	3,19E-12	3,26E-11	CECR2	CECR2, histone acetyl-lysine reader [Source:HGNC Symbol;Acc:HGNC:1840]
1,07767622	5,20E-05	0,000250485	NBPF10	NBPF member 10 [Source:HGNC Symbol;Acc:HGNC:31992]
1,076931174	6,35E-43	2,35E-41	VWA5A	von Willebrand factor A domain containing 5A [Source:HGNC Symbol;Acc:HGNC:6658]
1,076754097	4,48E-11	4,13E-10	CDH5	cadherin 5 [Source:HGNC Symbol;Acc:HGNC:1764]
1,076228632	5,44E-13	5,94E-12	GSAP	gamma-secretase activating protein [Source:HGNC Symbol;Acc:HGNC:28042]
1,075092654	2,55E-12	2,63E-11	MYO15B	myosin XVB [Source:HGNC Symbol;Acc:HGNC:14083]
1,074459158	1,36E-21	2,35E-20	MINDY1	MINDY lysine 48 deubiquitinase 1 [Source:HGNC Symbol;Acc:HGNC:25648]
1,072851107	0,000163902	0,000720263	PLLP	plasmalipin [Source:HGNC Symbol;Acc:HGNC:18553]
1,071912588	9,94E-121	1,54E-118	GRB10	growth factor receptor bound protein 10 [Source:HGNC Symbol;Acc:HGNC:4564]
1,069752128	1,71E-09	1,37E-08	PPM1H	protein phosphatase, Mg2+/Mn2+ dependent 1H [Source:HGNC Symbol;Acc:HGNC:18583]
1,069146225	1,00E-71	7,22E-70	STEAP3	STEAP3 metalloredutase [Source:HGNC Symbol;Acc:HGNC:24592]
1,069141394	2,76E-38	8,91E-37	SLC2A12	solute carrier family 2 member 12 [Source:HGNC Symbol;Acc:HGNC:18067]
1,068510434	4,45E-39	1,46E-37	TPCN1	two pore segment channel 1 [Source:HGNC Symbol;Acc:HGNC:18182]
1,066849845	3,20E-17	4,50E-16	STX1A	syntaxin 1A [Source:HGNC Symbol;Acc:HGNC:11433]
1,065353572	1,93E-25	3,94E-24	DKK1	dickkopf WNT signaling pathway inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:2891]
1,064617475	0,003517423	0,011783035	AGAP2	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2 [Source:HGNC Symbol;Acc:HGNC:16921]
1,062721696	9,29E-10	7,66E-09	GJB2	gap junction protein beta 2 [Source:HGNC Symbol;Acc:HGNC:4284]
1,061543107	1,06E-38	3,45E-37	KLHL24	kelch like family member 24 [Source:HGNC Symbol;Acc:HGNC:25947]
1,060891932	1,17E-91	1,22E-89	LGALS3	galectin 3 [Source:HGNC Symbol;Acc:HGNC:6563]
1,06078305	3,34E-06	1,89E-05	SERPINI1	serpin family I member 1 [Source:HGNC Symbol;Acc:HGNC:8943]

1,059334687	3,75E-17	5,24E-16	GRIN2A	glutamate ionotropic receptor NMDA type subunit 2A [Source:HGNC Symbol;Acc:HGNC:4585]
1,058816088	4,49E-52	2,08E-50	RTN1	reticulon 1 [Source:HGNC Symbol;Acc:HGNC:10467]
1,058018902	4,56E-09	3,54E-08	INSYN2	inhibitory synaptic factor 2A [Source:HGNC Symbol;Acc:HGNC:33859]
1,057459157	2,26E-25	4,60E-24	CSMD2	CUB and Sushi multiple domains 2 [Source:HGNC Symbol;Acc:HGNC:19290]
1,05456154	1,64E-61	9,82E-60	MYORG	myogenesis regulating glycosidase (putative) [Source:HGNC Symbol;Acc:HGNC:19918]
1,053569525	0,000208735	0,000896772	BHMT2	betaine--homocysteine S-methyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:1048]
1,052665662	2,94E-87	2,85E-85	SEMA6A	semaphorin 6A [Source:HGNC Symbol;Acc:HGNC:10738]
1,052389029	1,32E-96	1,50E-94	TMEM158	transmembrane protein 158 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:30293]
1,052077717	0,000283469	0,001187609	HEXIM2	hexamethylene bisacetamide inducible 2 [Source:HGNC Symbol;Acc:HGNC:28591]
1,050927162	1,53E-16	2,05E-15	NRN1	neurtin 1 [Source:HGNC Symbol;Acc:HGNC:17972]
1,050903392	2,92E-16	3,85E-15	ABCB9	ATP binding cassette subfamily B member 9 [Source:HGNC Symbol;Acc:HGNC:50]
1,049219916	3,69E-19	5,74E-18	ZNF521	zinc finger protein 521 [Source:HGNC Symbol;Acc:HGNC:24605]
1,048232034	6,92E-09	5,29E-08	DISP1	dispatched RND transporter family member 1 [Source:HGNC Symbol;Acc:HGNC:19711]
1,047619486	0,014455782	0,040887465	PRRT1	proline rich transmembrane protein 1 [Source:HGNC Symbol;Acc:HGNC:13943]
1,046786418	3,61E-12	3,65E-11	TLE2	transducin like enhancer of split 2 [Source:HGNC Symbol;Acc:HGNC:11838]
1,046523025	1,20E-49	5,33E-48	TSPAN13	tetraspanin 13 [Source:HGNC Symbol;Acc:HGNC:21643]
1,04437855	8,54E-93	9,11E-91	SQSTM1	sequestosome 1 [Source:HGNC Symbol;Acc:HGNC:11280]
1,04327586	1,72E-17	2,47E-16	EPHB3	EPH receptor B3 [Source:HGNC Symbol;Acc:HGNC:3394]
1,042477509	6,84E-26	1,43E-24	PPL	periplakin [Source:HGNC Symbol;Acc:HGNC:9273]
1,040064941	6,36E-05	0,000301685	PLA2G4A	phospholipase A2 group IVA [Source:HGNC Symbol;Acc:HGNC:9035]
1,03990424	4,03E-15	4,97E-14	ADCY2	adenylate cyclase 2 [Source:HGNC Symbol;Acc:HGNC:233]
1,038804904	5,73E-108	7,52E-106	ARL4C	ADP ribosylation factor like GTPase 4C [Source:HGNC Symbol;Acc:HGNC:698]
1,038776882	0,009491086	0,028379662	WDR88	WD repeat domain 88 [Source:HGNC Symbol;Acc:HGNC:26999]
1,038745423	9,81E-11	8,74E-10	PHF21B	PHD finger protein 21B [Source:HGNC Symbol;Acc:HGNC:25161]
1,037373659	3,62E-60	2,08E-58	NETO2	neuropilin and tolloid like 2 [Source:HGNC Symbol;Acc:HGNC:14644]
1,036707692	4,40E-19	6,81E-18	RNF144A	ring finger protein 144A [Source:HGNC Symbol;Acc:HGNC:20457]
1,034563565	4,04E-128	7,25E-126	PYGB	glycogen phosphorylase B [Source:HGNC Symbol;Acc:HGNC:9723]
1,034258947	1,42E-06	8,48E-06	RASSF9	Ras association domain family member 9 [Source:HGNC Symbol;Acc:HGNC:15739]
1,034179164	0,016406269	0,045687354	MUM1L1	MUM1 like 1 [Source:HGNC Symbol;Acc:HGNC:26583]
1,034157123	5,26E-06	2,91E-05	CD38	CD38 molecule [Source:HGNC Symbol;Acc:HGNC:1667]
1,033413719	1,69E-07	1,12E-06	SRCIN1	SRC kinase signaling inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:29506]
1,032848983	0,001158362	0,004320425	TMEM119	transmembrane protein 119 [Source:HGNC Symbol;Acc:HGNC:27884]
1,03165744	0,004870098	0,015769917	IMPG2	interphotoreceptor matrix proteoglycan 2 [Source:HGNC Symbol;Acc:HGNC:18362]
1,026601214	8,04E-06	4,34E-05	SLC24A3	solute carrier family 24 member 3 [Source:HGNC Symbol;Acc:HGNC:10977]
1,025758989	3,94E-06	2,21E-05	ZDHHC23	zinc finger DHHC-type containing 23 [Source:HGNC Symbol;Acc:HGNC:28654]

1,0251778	1,69E-05	8,70E-05	BEAN1	brain expressed associated with NEDD4 1 [Source:HGNC Symbol;Acc:HGNC:24160]
1,022326966	4,12E-10	3,51E-09	MAML3	mastermind like transcriptional coactivator 3 [Source:HGNC Symbol;Acc:HGNC:16272]
1,022013314	1,60E-11	1,54E-10	MANSC1	MANSC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25505]
1,021734134	0,000539701	0,002152815	GLUD2	glutamate dehydrogenase 2 [Source:HGNC Symbol;Acc:HGNC:4336]
1,021110866	0,000330857	0,00137017	SNAP91	synaptosome associated protein 91 [Source:HGNC Symbol;Acc:HGNC:14986]
1,02058436	3,59E-71	2,56E-69	ATP1B3	ATPase Na+/K+ transporting subunit beta 3 [Source:HGNC Symbol;Acc:HGNC:806]
1,019989404	0,01664779	0,046258164	FERMT3	fermitin family member 3 [Source:HGNC Symbol;Acc:HGNC:23151]
1,018692981	1,01E-12	1,08E-11	MTSS1	MTSS1, I-BAR domain containing [Source:HGNC Symbol;Acc:HGNC:20443]
1,017564513	6,82E-09	5,22E-08	TUBB4A	tubulin beta 4A class IVa [Source:HGNC Symbol;Acc:HGNC:20774]
1,016499087	2,11E-26	4,48E-25	ITGA10	integrin subunit alpha 10 [Source:HGNC Symbol;Acc:HGNC:6135]
1,01632038	0,004269402	0,014021325	POU3F1	POU class 3 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9214]
1,016094341	1,66E-14	1,98E-13	STON1	stonin 1 [Source:HGNC Symbol;Acc:HGNC:17003]
1,015357411	6,73E-17	9,24E-16	PIR	pirin [Source:HGNC Symbol;Acc:HGNC:30048]
1,01392513	5,78E-33	1,58E-31	HBP1	HMG-box transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:23200]
1,013724983	4,16E-06	2,33E-05	KBTD3	kelch repeat and BTB domain containing 3 [Source:HGNC Symbol;Acc:HGNC:22934]
1,013223588	9,13E-26	1,90E-24	SORL1	sortilin related receptor 1 [Source:HGNC Symbol;Acc:HGNC:11185]
1,012667835	4,57E-11	4,20E-10	LGALS9	galectin 9 [Source:HGNC Symbol;Acc:HGNC:6570]
1,012311809	5,45E-20	8,79E-19	PPP1R3B	protein phosphatase 1 regulatory subunit 3B [Source:HGNC Symbol;Acc:HGNC:14942]
1,011240609	0,012304181	0,035606165	FAM155B	family with sequence similarity 155 member B [Source:HGNC Symbol;Acc:HGNC:30701]
1,010551856	1,31E-13	1,49E-12	FAM117B	family with sequence similarity 117 member B [Source:HGNC Symbol;Acc:HGNC:14440]
1,009738057	0,002772735	0,009513382	ADAM11	ADAM metalloproteinase domain 11 [Source:HGNC Symbol;Acc:HGNC:189]
1,007362493	6,11E-92	6,40E-90	ITGA7	integrin subunit alpha 7 [Source:HGNC Symbol;Acc:HGNC:6143]
1,007062067	0,001055385	0,003970686	KLF4	Kruppel like factor 4 [Source:HGNC Symbol;Acc:HGNC:6348]
1,00540237	1,62E-56	8,51E-55	FEM1C	fem-1 homolog C [Source:HGNC Symbol;Acc:HGNC:16933]
1,005375529	1,14E-77	9,05E-76	BTG2	BTG anti-proliferation factor 2 [Source:HGNC Symbol;Acc:HGNC:1131]
1,004371305	0,003441434	0,011550409	TM6SF1	transmembrane 6 superfamily member 1 [Source:HGNC Symbol;Acc:HGNC:11860]
1,003741632	1,72E-21	2,96E-20	GABBR2	gamma-aminobutyric acid type B receptor subunit 2 [Source:HGNC Symbol;Acc:HGNC:4507]
1,002522162	9,46E-06	5,05E-05	ANXA9	annexin A9 [Source:HGNC Symbol;Acc:HGNC:547]
1,002212511	0,013875064	0,039509829	RAB37	RAB37, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:30268]
1,000919706	3,22E-06	1,83E-05	ARHGAP27	Rho GTPase activating protein 27 [Source:HGNC Symbol;Acc:HGNC:31813]
1,000220682	3,65E-05	0,000179349	RASSF5	Ras association domain family member 5 [Source:HGNC Symbol;Acc:HGNC:17609]
0,999840735	7,29E-25	1,45E-23	OSTF1	osteoclast stimulating factor 1 [Source:HGNC Symbol;Acc:HGNC:8510]
0,99983964	0,005055799	0,016308649	NOTCH2NLA	notch 2 N-terminal like A [Source:HGNC Symbol;Acc:HGNC:31862]

0,99971526	5,88E-05	0,000280319	<i>SARDH</i>	sarcosine dehydrogenase [Source:HGNC Symbol;Acc:HGNC:10536]
0,999280114	0,003566675	0,011931545	<i>CYP4X1</i>	cytochrome P450 family 4 subfamily X member 1 [Source:HGNC Symbol;Acc:HGNC:20244]
0,997335038	0,000850975	0,003275943	<i>PNMA6A</i>	PNMA family member 6A [Source:HGNC Symbol;Acc:HGNC:28248]
0,996764522	4,25E-25	8,56E-24	<i>CREB5</i>	cAMP responsive element binding protein 5 [Source:HGNC Symbol;Acc:HGNC:16844]
0,995745544	3,61E-08	2,58E-07	<i>TNFRSF14</i>	TNF receptor superfamily member 14 [Source:HGNC Symbol;Acc:HGNC:11912]
0,995248391	0,011513746	0,033634767	<i>INSC</i>	INSC, spindle orientation adaptor protein [Source:HGNC Symbol;Acc:HGNC:33116]
0,994037973	0,007547416	0,023215273	<i>SNCG</i>	synuclein gamma [Source:HGNC Symbol;Acc:HGNC:11141]
0,993893049	0,000235831	0,001003406	<i>GCNA</i>	germ cell nuclear acidic peptidase [Source:HGNC Symbol;Acc:HGNC:15805]
0,993490423	1,15E-16	1,56E-15	<i>GALNT6</i>	polypeptide N-acetylgalactosaminyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:4128]
0,993391489	2,19E-14	2,60E-13	<i>KCNAB2</i>	potassium voltage-gated channel subfamily A regulatory beta subunit 2 [Source:HGNC Symbol;Acc:HGNC:6229]
0,991901529	2,09E-85	1,95E-83	<i>TSKU</i>	tsukushi, small leucine rich proteoglycan [Source:HGNC Symbol;Acc:HGNC:28850]
0,991774152	0,016868897	0,046772085	<i>RUNDC3A</i>	RUN domain containing 3A [Source:HGNC Symbol;Acc:HGNC:16984]
0,987309162	0,000119848	0,000541003	<i>NCALD</i>	neurocalcin delta [Source:HGNC Symbol;Acc:HGNC:7655]
0,985456865	6,60E-61	3,88E-59	<i>SOX21</i>	SRY-box 21 [Source:HGNC Symbol;Acc:HGNC:11197]
0,985253728	0,004716211	0,015327882	<i>EXOC3L1</i>	exocyst complex component 3 like 1 [Source:HGNC Symbol;Acc:HGNC:27540]
0,98493856	0,017753196	0,048850118	<i>SNORC</i>	secondary ossification center associated regulator of chondrocyte maturation [Source:HGNC Symbol;Acc:HGNC:33763]
0,984780496	2,37E-11	2,24E-10	<i>TBC1D8</i>	TBC1 domain family member 8 [Source:HGNC Symbol;Acc:HGNC:17791]
0,984422097	0,000816308	0,003155005	<i>AC007906.2</i>	p53-regulated lncRNA 1 [Source:NCBI gene;Acc:105371267]
0,984049471	6,29E-05	0,000298299	<i>TMEM37</i>	transmembrane protein 37 [Source:HGNC Symbol;Acc:HGNC:18216]
0,982754933	8,18E-15	9,93E-14	<i>RNF112</i>	ring finger protein 112 [Source:HGNC Symbol;Acc:HGNC:12968]
0,980278619	0,011765583	0,034251861	<i>WAS</i>	Wiskott-Aldrich syndrome [Source:HGNC Symbol;Acc:HGNC:12731]
0,979899144	1,83E-13	2,05E-12	<i>ATP2B2</i>	ATPase plasma membrane Ca ²⁺ transporting 2 [Source:HGNC Symbol;Acc:HGNC:815]
0,979666834	2,69E-11	2,53E-10	<i>SCX</i>	scleraxis bHLH transcription factor [Source:HGNC Symbol;Acc:HGNC:32322]
0,978786201	1,03E-75	7,72E-74	<i>PCDHGC3</i>	protocadherin gamma subfamily C, 3 [Source:HGNC Symbol;Acc:HGNC:8716]
0,978096068	0,002529499	0,008762487	<i>LAT2</i>	linker for activation of T cells family member 2 [Source:HGNC Symbol;Acc:HGNC:12749]
0,977960414	1,12E-15	1,43E-14	<i>PLEKHF1</i>	pleckstrin homology and FYVE domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20764]
0,975455768	4,75E-38	1,52E-36	<i>UBALD2</i>	UBA like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28438]
0,975010194	1,09E-11	1,06E-10	<i>HIST3H2A</i>	histone cluster 3 H2A [Source:HGNC Symbol;Acc:HGNC:20507]
0,974762946	6,22E-07	3,87E-06	<i>GP1R1</i>	G protein-coupled estrogen receptor 1 [Source:HGNC Symbol;Acc:HGNC:4485]
0,974343633	2,51E-05	0,000126612	<i>KLLN</i>	killin, p53 regulated DNA replication inhibitor [Source:HGNC Symbol;Acc:HGNC:37212]
0,972260497	9,27E-05	0,000427743	<i>NFATC2</i>	nuclear factor of activated T cells 2 [Source:HGNC Symbol;Acc:HGNC:7776]

0,972032265	4,20E-42	1,51E-40	<i>SLC7A11</i>	solute carrier family 7 member 11 [Source:HGNC Symbol;Acc:HGNC:11059]
0,971951669	1,07E-43	4,02E-42	<i>ELOVL6</i>	ELOVL fatty acid elongase 6 [Source:HGNC Symbol;Acc:HGNC:15829]
0,969400744	0,008721725	0,026367625	<i>GSTM5</i>	glutathione S-transferase mu 5 [Source:HGNC Symbol;Acc:HGNC:4637]
0,969318724	5,42E-49	2,37E-47	<i>GDF11</i>	growth differentiation factor 11 [Source:HGNC Symbol;Acc:HGNC:4216]
0,968810294	1,55E-07	1,04E-06	<i>MAPK10</i>	mitogen-activated protein kinase 10 [Source:HGNC Symbol;Acc:HGNC:6872]
0,967046656	4,02E-40	1,36E-38	<i>TXNIP</i>	thioredoxin interacting protein [Source:HGNC Symbol;Acc:HGNC:16952]
0,966465916	0,001297269	0,004787906	<i>DCAF12L2</i>	DDB1 and CUL4 associated factor 12 like 2 [Source:HGNC Symbol;Acc:HGNC:32950]
0,966226445	5,38E-27	1,17E-25	<i>GRK5</i>	G protein-coupled receptor kinase 5 [Source:HGNC Symbol;Acc:HGNC:4544]
0,964354692	0,004847054	0,015701754	<i>LBHD1</i>	LBH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28351]
0,964107716	4,30E-12	4,33E-11	<i>ARHGAP26</i>	Rho GTPase activating protein 26 [Source:HGNC Symbol;Acc:HGNC:17073]
0,961137039	2,22E-27	4,90E-26	<i>KLHL4</i>	kelch like family member 4 [Source:HGNC Symbol;Acc:HGNC:6355]
0,958636988	5,15E-57	2,74E-55	<i>PTPRZ1</i>	protein tyrosine phosphatase, receptor type Z1 [Source:HGNC Symbol;Acc:HGNC:9685]
0,958326398	3,48E-09	2,73E-08	<i>ACOX2</i>	acyl-CoA oxidase 2 [Source:HGNC Symbol;Acc:HGNC:120]
0,955963594	2,31E-05	0,000116786	<i>FOX51</i>	forkhead box S1 [Source:HGNC Symbol;Acc:HGNC:3735]
0,955135187	7,44E-06	4,04E-05	<i>RGS6</i>	regulator of G protein signaling 6 [Source:HGNC Symbol;Acc:HGNC:10002]
0,954394718	3,54E-35	1,04E-33	<i>ZNF395</i>	zinc finger protein 395 [Source:HGNC Symbol;Acc:HGNC:18737]
0,954081404	1,04E-35	3,08E-34	<i>SLC6A6</i>	solute carrier family 6 member 6 [Source:HGNC Symbol;Acc:HGNC:11052]
0,952270955	1,65E-33	4,57E-32	<i>ARRDC3</i>	arrestin domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29263]
0,951955159	3,51E-36	1,06E-34	<i>NAV2</i>	neuron navigator 2 [Source:HGNC Symbol;Acc:HGNC:15997]
0,951674013	0,000106125	0,000483441	<i>KCNC3</i>	potassium voltage-gated channel subfamily C member 3 [Source:HGNC Symbol;Acc:HGNC:6235]
0,950276517	1,38E-05	7,19E-05	<i>B3GALT4</i>	beta-1,3-galactosyltransferase 4 [Source:HGNC Symbol;Acc:HGNC:919]
0,948529133	2,12E-90	2,17E-88	<i>TLE1</i>	transducin like enhancer of split 1 [Source:HGNC Symbol;Acc:HGNC:11837]
0,948286792	3,10E-37	9,70E-36	<i>KAT6B</i>	lysine acetyltransferase 6B [Source:HGNC Symbol;Acc:HGNC:17582]
0,948013592	3,12E-23	5,76E-22	<i>SLC4A8</i>	solute carrier family 4 member 8 [Source:HGNC Symbol;Acc:HGNC:11034]
0,947473085	2,03E-12	2,12E-11	<i>PAQR8</i>	progesterone and adiponectin receptor family member 8 [Source:HGNC Symbol;Acc:HGNC:15708]
0,945432472	1,07E-09	8,73E-09	<i>SLC47A1</i>	solute carrier family 47 member 1 [Source:HGNC Symbol;Acc:HGNC:25588]
0,944072133	6,40E-58	3,45E-56	<i>SLC5A3</i>	solute carrier family 5 member 3 [Source:HGNC Symbol;Acc:HGNC:11038]
0,943742584	1,85E-07	1,22E-06	<i>MAFB</i>	MAF bZIP transcription factor B [Source:HGNC Symbol;Acc:HGNC:6408]
0,941571685	0,014050726	0,039933859	<i>FOXP2</i>	forkhead box P2 [Source:HGNC Symbol;Acc:HGNC:13875]
0,941386655	1,78E-20	2,93E-19	<i>PTPN4</i>	protein tyrosine phosphatase, non-receptor type 4 [Source:HGNC Symbol;Acc:HGNC:9656]
0,939500679	1,40E-25	2,89E-24	<i>MTHFR</i>	methylenetetrahydrofolate reductase [Source:HGNC Symbol;Acc:HGNC:7436]

0,939117686	4,76E-09	3,70E-08	HIST1H2BD	histone cluster 1 H2B family member d [Source:HGNC Symbol;Acc:HGNC:4747]
0,939062243	1,76E-16	2,36E-15	GLDC	glycine decarboxylase [Source:HGNC Symbol;Acc:HGNC:4313]
0,937974643	2,70E-06	1,55E-05	HSD17B8	hydroxysteroid 17-beta dehydrogenase 8 [Source:HGNC Symbol;Acc:HGNC:3554]
0,937590462	6,34E-09	4,86E-08	LRRC4	leucine rich repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:15586]
0,93699009	0,000144459	0,000641462	BEND5	BEN domain containing 5 [Source:HGNC Symbol;Acc:HGNC:25668]
0,935817007	0,000282494	0,001184547	OPRL1	opioid related nociceptin receptor 1 [Source:HGNC Symbol;Acc:HGNC:8155]
0,934851968	0,000246379	0,001044622	LRRN4CL	LRRN4 C-terminal like [Source:HGNC Symbol;Acc:HGNC:33724]
0,934538995	0,000482616	0,001944693	ARPP21	cAMP regulated phosphoprotein 21 [Source:HGNC Symbol;Acc:HGNC:16968]
0,934404508	2,69E-06	1,54E-05	HID1	HID1 domain containing [Source:HGNC Symbol;Acc:HGNC:15736]
0,934194434	0,004108271	0,013521896	GLTPD2	glycolipid transfer protein domain containing 2 [Source:HGNC Symbol;Acc:HGNC:33756]
0,934057484	1,36E-28	3,16E-27	RCAN2	regulator of calcineurin 2 [Source:HGNC Symbol;Acc:HGNC:3041]
0,932879063	5,70E-27	1,24E-25	KCTD13	potassium channel tetramerization domain containing 13 [Source:HGNC Symbol;Acc:HGNC:22234]
0,932348234	4,38E-23	8,03E-22	C1orf226	chromosome 1 open reading frame 226 [Source:HGNC Symbol;Acc:HGNC:34351]
0,930670659	4,24E-81	3,63E-79	IDS	iduronate 2-sulfatase [Source:HGNC Symbol;Acc:HGNC:5389]
0,930500402	0,001168086	0,004352513	ABCA8	ATP binding cassette subfamily A member 8 [Source:HGNC Symbol;Acc:HGNC:38]
0,929552863	1,74E-08	1,28E-07	IFIT2	interferon induced protein with tetratricopeptide repeats 2 [Source:HGNC Symbol;Acc:HGNC:5409]
0,927267515	4,09E-15	5,04E-14	RTTN	rotatin [Source:HGNC Symbol;Acc:HGNC:18654]
0,92698137	3,16E-12	3,23E-11	CHRNB1	cholinergic receptor nicotinic beta 1 subunit [Source:HGNC Symbol;Acc:HGNC:1961]
0,921504285	0,010628238	0,031316669	SNAI3	snail family transcriptional repressor 3 [Source:HGNC Symbol;Acc:HGNC:18411]
0,920535076	9,03E-36	2,69E-34	ARHGEF3	Rho guanine nucleotide exchange factor 3 [Source:HGNC Symbol;Acc:HGNC:683]
0,91619036	3,15E-36	9,59E-35	FAM102A	family with sequence similarity 102 member A [Source:HGNC Symbol;Acc:HGNC:31419]
0,915812524	0,00116174	0,004331358	RIMS4	regulating synaptic membrane exocytosis 4 [Source:HGNC Symbol;Acc:HGNC:16183]
0,914776942	0,001432955	0,005244799	FAM189A1	family with sequence similarity 189 member A1 [Source:HGNC Symbol;Acc:HGNC:29075]
0,914397818	0,007471462	0,023003522	MTUS1	microtubule associated scaffold protein 1 [Source:HGNC Symbol;Acc:HGNC:29789]
0,912813691	3,56E-05	0,000175568	UNC80	unc-80 homolog, NALCN channel complex subunit [Source:HGNC Symbol;Acc:HGNC:26582]
0,912660033	0,004726035	0,015357239	FAM78B	family with sequence similarity 78 member B [Source:HGNC Symbol;Acc:HGNC:13495]
0,912146452	0,006207662	0,019600697	MAGIX	MAGI family member, X-linked [Source:HGNC Symbol;Acc:HGNC:30006]
0,911953536	3,34E-14	3,93E-13	ABTB1	ankyrin repeat and BTB domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18275]
0,911785679	2,20E-30	5,51E-29	ADGRE5	adhesion G protein-coupled receptor E5 [Source:HGNC Symbol;Acc:HGNC:1711]
0,911462037	6,82E-78	5,49E-76	PDLIM4	PDZ and LIM domain 4 [Source:HGNC Symbol;Acc:HGNC:16501]
0,910853069	4,62E-06	2,57E-05	CREB3L4	cAMP responsive element binding protein 3 like 4 [Source:HGNC Symbol;Acc:HGNC:18854]
0,909142768	8,63E-13	9,23E-12	ARTN	artemin [Source:HGNC Symbol;Acc:HGNC:727]

0,908744841	1,11E-08	8,35E-08	PDZD2	PDZ domain containing 2 [Source:HGNC Symbol;Acc:HGNC:18486]
0,908120271	0,000508365	0,002036187	KLHL3	kelch like family member 3 [Source:HGNC Symbol;Acc:HGNC:6354]
0,905131466	3,16E-11	2,95E-10	DNER	delta/notch like EGF repeat containing [Source:HGNC Symbol;Acc:HGNC:24456]
0,904227837	4,00E-05	0,000195895	SIGLEC15	sialic acid binding Ig like lectin 15 [Source:HGNC Symbol;Acc:HGNC:27596]
0,90355069	2,31E-46	9,44E-45	SDK1	sidekick cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:19307]
0,903530107	1,24E-56	6,56E-55	MKNK2	MAP kinase interacting serine/threonine kinase 2 [Source:HGNC Symbol;Acc:HGNC:7111]
0,902864373	1,79E-06	1,06E-05	REEP1	receptor accessory protein 1 [Source:HGNC Symbol;Acc:HGNC:25786]
0,90217437	3,54E-94	3,86E-92	GSN	gelsolin [Source:HGNC Symbol;Acc:HGNC:4620]
0,901031705	0,001522155	0,005540449	TG	thyroglobulin [Source:HGNC Symbol;Acc:HGNC:11764]
0,900457838	5,10E-138	1,05E-135	TKT	transketolase [Source:HGNC Symbol;Acc:HGNC:11834]
0,89975045	4,89E-07	3,08E-06	NOXA1	NADPH oxidase activator 1 [Source:HGNC Symbol;Acc:HGNC:10668]
0,898395274	1,88E-62	1,15E-60	IP6K1	inositol hexakisphosphate kinase 1 [Source:HGNC Symbol;Acc:HGNC:18360]
0,898221891	1,35E-15	1,71E-14	KCNJ2	potassium voltage-gated channel subfamily J member 2 [Source:HGNC Symbol;Acc:HGNC:6263]
0,898172232	7,54E-07	4,65E-06	ACACB	acetyl-CoA carboxylase beta [Source:HGNC Symbol;Acc:HGNC:85]
0,897306013	5,31E-08	3,73E-07	NLG3	neuroligin 3 [Source:HGNC Symbol;Acc:HGNC:14289]
0,896945456	3,83E-15	4,73E-14	PIP4P2	phosphatidylinositol-4,5-bisphosphate 4-phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:25452]
0,896684145	3,58E-12	3,63E-11	PPM1L	protein phosphatase, Mg2+/Mn2+ dependent 1L [Source:HGNC Symbol;Acc:HGNC:16381]
0,896309178	4,06E-06	2,28E-05	SPATA7	spermatogenesis associated 7 [Source:HGNC Symbol;Acc:HGNC:20423]
0,895132601	1,01E-42	3,72E-41	CNIH3	cornichon family AMPA receptor auxiliary protein 3 [Source:HGNC Symbol;Acc:HGNC:26802]
0,894087364	4,81E-19	7,42E-18	ADGRL3	adhesion G protein-coupled receptor L3 [Source:HGNC Symbol;Acc:HGNC:20974]
0,893419802	8,75E-06	4,70E-05	PTGES	prostaglandin E synthase [Source:HGNC Symbol;Acc:HGNC:9599]
0,891838341	0,000154633	0,000682466	EBF1	early B cell factor 1 [Source:HGNC Symbol;Acc:HGNC:3126]
0,890506502	9,31E-05	0,000429244	CBX7	chromobox 7 [Source:HGNC Symbol;Acc:HGNC:1557]
0,889592339	4,22E-07	2,67E-06	METTL27	methyltransferase like 27 [Source:HGNC Symbol;Acc:HGNC:19068]
0,889054087	1,26E-19	2,00E-18	MARCH8	membrane associated ring-CH-type finger 8 [Source:HGNC Symbol;Acc:HGNC:23356]
0,888620368	1,51E-63	9,44E-62	DHCR7	7-dehydrocholesterol reductase [Source:HGNC Symbol;Acc:HGNC:2860]
0,887117004	1,94E-49	8,60E-48	GBE1	1,4-alpha-glucan branching enzyme 1 [Source:HGNC Symbol;Acc:HGNC:4180]
0,886623888	2,22E-06	1,29E-05	BEX2	brain expressed X-linked 2 [Source:HGNC Symbol;Acc:HGNC:30933]
0,886365263	0,000921773	0,003518473	APOBEC3G	apolipoprotein B mRNA editing enzyme catalytic subunit 3G [Source:HGNC Symbol;Acc:HGNC:17357]
0,885923003	1,17E-07	7,93E-07	PITPNM3	PITPNM family member 3 [Source:HGNC Symbol;Acc:HGNC:21043]
0,884834017	8,98E-14	1,03E-12	ANKRA2	ankyrin repeat family A member 2 [Source:HGNC Symbol;Acc:HGNC:13208]
0,884767465	0,000831083	0,003206361	CLDN4	claudin 4 [Source:HGNC Symbol;Acc:HGNC:2046]
0,884501519	0,003970583	0,013119894	C6orf15	chromosome 6 open reading frame 15 [Source:HGNC Symbol;Acc:HGNC:13927]
0,883832623	1,35E-06	8,11E-06	NR1D1	nuclear receptor subfamily 1 group D member 1 [Source:HGNC Symbol;Acc:HGNC:7962]

0,883468285	8,92E-14	1,02E-12	QPCT	glutaminyl-peptide cyclotransferase [Source:HGNC Symbol;Acc:HGNC:9753]
0,882350512	1,60E-13	1,80E-12	STN1	STN1, CST complex subunit [Source:HGNC Symbol;Acc:HGNC:26200]
0,882192554	5,91E-12	5,85E-11	CASP8	caspase 8 [Source:HGNC Symbol;Acc:HGNC:1509]
0,881089928	2,41E-19	3,78E-18	B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:15629]
0,879590358	4,66E-22	8,18E-21	ACSS3	acyl-CoA synthetase short chain family member 3 [Source:HGNC Symbol;Acc:HGNC:24723]
0,875524426	2,75E-20	4,49E-19	PC	pyruvate carboxylase [Source:HGNC Symbol;Acc:HGNC:8636]
0,874283669	1,58E-05	8,16E-05	PCDH18	protocadherin 18 [Source:HGNC Symbol;Acc:HGNC:14268]
0,873535821	8,00E-42	2,84E-40	TWF2	twinfilin actin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:9621]
0,873111821	6,39E-41	2,21E-39	MGAT5	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:HGNC:7049]
0,872249926	3,92E-79	3,24E-77	FDFT1	farnesyl-diphosphate farnesyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:3629]
0,871408027	5,75E-10	4,84E-09	FOXO4	forkhead box O4 [Source:HGNC Symbol;Acc:HGNC:7139]
0,869220365	2,93E-61	1,73E-59	IGSF8	immunoglobulin superfamily member 8 [Source:HGNC Symbol;Acc:HGNC:17813]
0,869182071	6,59E-24	1,26E-22	KIF21A	kinesin family member 21A [Source:HGNC Symbol;Acc:HGNC:19349]
0,868534472	7,57E-16	9,71E-15	MAF	MAF bZIP transcription factor [Source:HGNC Symbol;Acc:HGNC:6776]
0,867901766	8,44E-27	1,82E-25	WNT7B	Wnt family member 7B [Source:HGNC Symbol;Acc:HGNC:12787]
0,867723427	6,19E-05	0,000294212	TMEM121B	transmembrane protein 121B [Source:HGNC Symbol;Acc:HGNC:1844]
0,866537166	2,94E-07	1,90E-06	DLL1	delta like canonical Notch ligand 1 [Source:HGNC Symbol;Acc:HGNC:2908]
0,866167332	0,001208374	0,00448884	NR4A1	nuclear receptor subfamily 4 group A member 1 [Source:HGNC Symbol;Acc:HGNC:7980]
0,86407509	1,73E-39	5,77E-38	PLPP3	phospholipid phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:9229]
0,863861081	0,000318908	0,001324925	BTBD8	BTB domain containing 8 [Source:HGNC Symbol;Acc:HGNC:21019]
0,863067769	5,78E-10	4,86E-09	TNFRSF10C	TNF receptor superfamily member 10c [Source:HGNC Symbol;Acc:HGNC:11906]
0,862961293	2,01E-06	1,18E-05	CPNE4	copine 4 [Source:HGNC Symbol;Acc:HGNC:2317]
0,862227897	0,000480436	0,001936312	DMRTA1	DMRT like family A1 [Source:HGNC Symbol;Acc:HGNC:13826]
0,861274418	0,013609063	0,038883609	TAF7L	TATA-box binding protein associated factor 7 like [Source:HGNC Symbol;Acc:HGNC:11548]
0,861072582	5,00E-05	0,000240905	TRPM3	transient receptor potential cation channel subfamily M member 3 [Source:HGNC Symbol;Acc:HGNC:17992]
0,860862511	3,20E-06	1,82E-05	SPNS2	sphingolipid transporter 2 [Source:HGNC Symbol;Acc:HGNC:26992]
0,859534506	3,68E-45	1,44E-43	PGPEP1	pyroglutamyl-peptidase I [Source:HGNC Symbol;Acc:HGNC:13568]
0,858720692	1,34E-65	8,74E-64	EXTL3	exostosin like glycosyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:3518]
0,857174647	1,03E-08	7,74E-08	PDE4B	phosphodiesterase 4B [Source:HGNC Symbol;Acc:HGNC:8781]
0,856359525	0,011288819	0,033032393	SEPT1	septin 1 [Source:HGNC Symbol;Acc:HGNC:2879]
0,856140051	1,01E-14	1,22E-13	FBXL20	F-box and leucine rich repeat protein 20 [Source:HGNC Symbol;Acc:HGNC:24679]
0,855749799	6,85E-30	1,67E-28	GSR	glutathione-disulfide reductase [Source:HGNC Symbol;Acc:HGNC:4623]

0,855490983	6,67E-37	2,08E-35	PREX1	phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchange factor 1 [Source:HGNC Symbol;Acc:HGNC:32594]
0,854884303	7,49E-07	4,62E-06	SLC27A3	solute carrier family 27 member 3 [Source:HGNC Symbol;Acc:HGNC:10997]
0,854212475	5,18E-08	3,65E-07	ALDH5A1	aldehyde dehydrogenase 5 family member A1 [Source:HGNC Symbol;Acc:HGNC:408]
0,850411471	1,16E-22	2,08E-21	B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:15684]
0,849170387	0,000101441	0,000464177	REEP6	receptor accessory protein 6 [Source:HGNC Symbol;Acc:HGNC:30078]
0,848527619	2,64E-55	1,34E-53	FRMD4A	FERM domain containing 4A [Source:HGNC Symbol;Acc:HGNC:25491]
0,847923526	0,000143436	0,000637105	C1orf56	chromosome 1 open reading frame 56 [Source:HGNC Symbol;Acc:HGNC:26045]
0,847285275	3,94E-35	1,16E-33	DLK1	delta like non-canonical Notch ligand 1 [Source:HGNC Symbol;Acc:HGNC:2907]
0,844276549	1,28E-25	2,65E-24	DNM1	dynamin 1 [Source:HGNC Symbol;Acc:HGNC:2972]
0,84387085	2,66E-30	6,63E-29	SAT1	spermidine/spermine N1-acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:10540]
0,843780944	4,22E-40	1,43E-38	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:HGNC Symbol;Acc:HGNC:14107]
0,843551756	8,66E-29	2,03E-27	SIK3	SIK family kinase 3 [Source:HGNC Symbol;Acc:HGNC:29165]
0,842588358	0,000411046	0,001678257	ANKRD24	ankyrin repeat domain 24 [Source:HGNC Symbol;Acc:HGNC:29424]
0,841830314	1,59E-06	9,48E-06	CYP27A1	cytochrome P450 family 27 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2605]
0,841180213	4,32E-19	6,70E-18	CAVIN3	caveolae associated protein 3 [Source:HGNC Symbol;Acc:HGNC:9400]
0,840867154	1,69E-59	9,54E-58	FMNL2	formin like 2 [Source:HGNC Symbol;Acc:HGNC:18267]
0,838315114	9,82E-05	0,000450541	CMTM8	CKLF like MARVEL transmembrane domain containing 8 [Source:HGNC Symbol;Acc:HGNC:19179]
0,837809308	0,001990776	0,007058835	CHRNA1	cholinergic receptor nicotinic alpha 1 subunit [Source:HGNC Symbol;Acc:HGNC:1955]
0,837087499	7,87E-19	1,20E-17	SLC12A6	solute carrier family 12 member 6 [Source:HGNC Symbol;Acc:HGNC:10914]
0,836437113	0,007746901	0,023761082	STARD8	StAR related lipid transfer domain containing 8 [Source:HGNC Symbol;Acc:HGNC:19161]
0,835596364	6,15E-26	1,29E-24	CD82	CD82 molecule [Source:HGNC Symbol;Acc:HGNC:6210]
0,835584892	1,89E-13	2,12E-12	FMN2	formin 2 [Source:HGNC Symbol;Acc:HGNC:14074]
0,833846619	5,71E-12	5,67E-11	ANGPTL2	angiopoietin like 2 [Source:HGNC Symbol;Acc:HGNC:490]
0,833540091	3,42E-07	2,19E-06	TDRKH	tudor and KH domain containing [Source:HGNC Symbol;Acc:HGNC:11713]
0,832658976	5,78E-05	0,000276083	BCHE	butyrylcholinesterase [Source:HGNC Symbol;Acc:HGNC:983]
0,832313034	1,61E-18	2,43E-17	MMP16	matrix metalloproteinase 16 [Source:HGNC Symbol;Acc:HGNC:7162]
0,829921444	3,86E-35	1,13E-33	ABHD2	abhydrolase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:18717]
0,829782472	0,006534107	0,020511304	RTN4R	reticulon 4 receptor [Source:HGNC Symbol;Acc:HGNC:18601]
0,829495736	2,21E-05	0,000112072	OTUD1	OTU deubiquitinase 1 [Source:HGNC Symbol;Acc:HGNC:27346]
0,827755783	0,005534412	0,017673325	INKA1	inka box actin regulator 1 [Source:HGNC Symbol;Acc:HGNC:32480]
0,827442107	9,98E-06	5,31E-05	SEMA6D	semaphorin 6D [Source:HGNC Symbol;Acc:HGNC:16770]
0,827432719	1,27E-11	1,22E-10	PCYT1B	phosphate cytidylyltransferase 1, choline, beta [Source:HGNC Symbol;Acc:HGNC:8755]

0,827009765	3,96E-08	2,81E-07	KCNA2	potassium voltage-gated channel subfamily A member 2 [Source:HGNC Symbol;Acc:HGNC:6220]
0,826190382	1,71E-10	1,50E-09	ISLR	immunoglobulin superfamily containing leucine rich repeat [Source:HGNC Symbol;Acc:HGNC:6133]
0,824765286	0,00018437	0,000802394	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative) [Source:HGNC Symbol;Acc:HGNC:13717]
0,824681151	5,46E-12	5,44E-11	NAT8L	N-acetyltransferase 8 like [Source:HGNC Symbol;Acc:HGNC:26742]
0,824612547	6,48E-12	6,40E-11	GSTZ1	glutathione S-transferase zeta 1 [Source:HGNC Symbol;Acc:HGNC:4643]
0,824587289	2,04E-07	1,34E-06	NR1H3	nuclear receptor subfamily 1 group H member 3 [Source:HGNC Symbol;Acc:HGNC:7966]
0,824432302	1,59E-09	1,28E-08	PTPRN2	protein tyrosine phosphatase, receptor type N2 [Source:HGNC Symbol;Acc:HGNC:9677]
0,824250817	0,015887459	0,044431768	USP2	ubiquitin specific peptidase 2 [Source:HGNC Symbol;Acc:HGNC:12618]
0,823722158	0,008659456	0,026228407	PALM3	paralectin 3 [Source:HGNC Symbol;Acc:HGNC:33274]
0,82248195	1,04E-06	6,35E-06	CALHM2	calcium homeostasis modulator family member 2 [Source:HGNC Symbol;Acc:HGNC:23493]
0,822397186	8,98E-18	1,31E-16	WBP1	WW domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:12737]
0,821425183	1,57E-22	2,82E-21	SMOX	spermine oxidase [Source:HGNC Symbol;Acc:HGNC:15862]
0,821404505	2,40E-07	1,57E-06	PKDCC	protein kinase domain containing, cytoplasmic [Source:HGNC Symbol;Acc:HGNC:25123]
0,821138733	1,61E-08	1,19E-07	BMP7	bone morphogenetic protein 7 [Source:HGNC Symbol;Acc:HGNC:1074]
0,820112706	6,01E-06	3,30E-05	TMEM171	transmembrane protein 171 [Source:HGNC Symbol;Acc:HGNC:27031]
0,820021465	5,80E-25	1,16E-23	FXVD6	FXVD domain containing ion transport regulator 6 [Source:HGNC Symbol;Acc:HGNC:4030]
0,819950133	0,000299714	0,001251076	TTYH2	tweety family member 2 [Source:HGNC Symbol;Acc:HGNC:13877]
0,819320557	1,33E-14	1,60E-13	BTBD11	BTB domain containing 11 [Source:HGNC Symbol;Acc:HGNC:23844]
0,818724041	4,57E-07	2,88E-06	EEPD1	endonuclease/exonuclease/phosphatase family domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22223]
0,815843263	1,50E-05	7,76E-05	SLC6A15	solute carrier family 6 member 15 [Source:HGNC Symbol;Acc:HGNC:13621]
0,814621049	0,012063435	0,03501915	DSC3	desmocollin 3 [Source:HGNC Symbol;Acc:HGNC:3037]
0,814049906	1,94E-22	3,47E-21	BAZ2B	bromodomain adjacent to zinc finger domain 2B [Source:HGNC Symbol;Acc:HGNC:963]
0,814047536	1,86E-05	9,53E-05	ATP6V1G2	ATPase H ⁺ transporting V1 subunit G2 [Source:HGNC Symbol;Acc:HGNC:862]
0,81224391	1,20E-40	4,11E-39	ABHD4	abhydrolase domain containing 4 [Source:HGNC Symbol;Acc:HGNC:20154]
0,811866933	4,79E-11	4,40E-10	ITPR1	inositol 1,4,5-trisphosphate receptor type 1 [Source:HGNC Symbol;Acc:HGNC:6180]
0,811531723	1,49E-13	1,68E-12	GAL3ST4	galactose-3-O-sulfotransferase 4 [Source:HGNC Symbol;Acc:HGNC:24145]
0,811462025	8,36E-36	2,50E-34	ZMIZ1	zinc finger MIZ-type containing 1 [Source:HGNC Symbol;Acc:HGNC:16493]
0,811034957	9,13E-17	1,24E-15	ANGPT1	angiopoietin 1 [Source:HGNC Symbol;Acc:HGNC:484]
0,81088226	1,69E-29	4,06E-28	SLC43A2	solute carrier family 43 member 2 [Source:HGNC Symbol;Acc:HGNC:23087]
0,810587405	1,60E-06	9,51E-06	CYS1	cystin 1 [Source:HGNC Symbol;Acc:HGNC:18525]
0,809350565	4,10E-36	1,24E-34	PTK2	protein tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:9611]
0,80747601	5,20E-14	6,02E-13	GPRASP2	G protein-coupled receptor associated sorting protein 2 [Source:HGNC Symbol;Acc:HGNC:25169]
0,806445253	0,000144516	0,000641462	TBX18	T-box 18 [Source:HGNC Symbol;Acc:HGNC:11595]

0,806250912	1,43E-34	4,14E-33	RAMP1	receptor activity modifying protein 1 [Source:HGNC Symbol;Acc:HGNC:9843]
0,806061538	1,65E-26	3,52E-25	LDLRAD3	low density lipoprotein receptor class A domain containing 3 [Source:HGNC Symbol;Acc:HGNC:27046]
0,805820997	7,18E-55	3,59E-53	TSPAN14	tetraspanin 14 [Source:HGNC Symbol;Acc:HGNC:23303]
0,804980758	4,72E-07	2,97E-06	PLD1	phospholipase D1 [Source:HGNC Symbol;Acc:HGNC:9067]
0,80380571	0,015723032	0,044022676	ISG20	interferon stimulated exonuclease gene 20 [Source:HGNC Symbol;Acc:HGNC:6130]
0,803731811	8,08E-06	4,36E-05	MTERF2	mitochondrial transcription termination factor 2 [Source:HGNC Symbol;Acc:HGNC:30779]
0,803616155	1,30E-07	8,71E-07	ZNF844	zinc finger protein 844 [Source:HGNC Symbol;Acc:HGNC:25932]
0,803245351	1,22E-36	3,78E-35	PRCP	prolylcarboxypeptidase [Source:HGNC Symbol;Acc:HGNC:9344]
0,802580555	4,61E-12	4,62E-11	F11R	F11 receptor [Source:HGNC Symbol;Acc:HGNC:14685]
0,800070371	1,05E-69	7,25E-68	MMP14	matrix metalloproteinase 14 [Source:HGNC Symbol;Acc:HGNC:7160]
0,799849725	2,41E-40	8,20E-39	FZD3	frizzled class receptor 3 [Source:HGNC Symbol;Acc:HGNC:4041]
0,799363196	0,01437973	0,040731504	MMEL1	membrane metalloendopeptidase like 1 [Source:HGNC Symbol;Acc:HGNC:14668]
0,7992161	1,67E-32	4,51E-31	ATP2B1	ATPase plasma membrane Ca2+ transporting 1 [Source:HGNC Symbol;Acc:HGNC:814]
0,799053203	3,88E-13	4,27E-12	GNG11	G protein subunit gamma 11 [Source:HGNC Symbol;Acc:HGNC:4403]
0,798464232	4,91E-10	4,15E-09	CCDC28A	coiled-coil domain containing 28A [Source:HGNC Symbol;Acc:HGNC:21098]
0,798375561	1,87E-07	1,23E-06	THNSL1	threonine synthase like 1 [Source:HGNC Symbol;Acc:HGNC:26160]
0,798106916	0,002313861	0,008094969	PIEZO2	piezo type mechanosensitive ion channel component 2 [Source:HGNC Symbol;Acc:HGNC:26270]
0,797607702	2,45E-06	1,41E-05	GLYCK	glycerate kinase [Source:HGNC Symbol;Acc:HGNC:24247]
0,797285698	3,42E-05	0,00016902	KIZ	kizuna centrosomal protein [Source:HGNC Symbol;Acc:HGNC:15865]
0,796294899	6,36E-09	4,88E-08	IGSF11	immunoglobulin superfamily member 11 [Source:HGNC Symbol;Acc:HGNC:16669]
0,793868156	0,005837892	0,018550866	LY6G5C	lymphocyte antigen 6 family member G5C [Source:HGNC Symbol;Acc:HGNC:13932]
0,79364638	0,014523882	0,041038215	ZNF490	zinc finger protein 490 [Source:HGNC Symbol;Acc:HGNC:23705]
0,79306847	4,68E-16	6,08E-15	SMAD1	SMAD family member 1 [Source:HGNC Symbol;Acc:HGNC:6767]
0,79259016	0,016346592	0,045558231	ABHD14A	abhydrolase domain containing 14A [Source:HGNC Symbol;Acc:HGNC:24538]
0,792295972	1,58E-16	2,11E-15	HMGA2	high mobility group AT-hook 2 [Source:HGNC Symbol;Acc:HGNC:5009]
0,792055696	3,24E-20	5,26E-19	SESN1	sestrin 1 [Source:HGNC Symbol;Acc:HGNC:21595]
0,791958853	0,000684752	0,002685845	RILP	Rab interacting lysosomal protein [Source:HGNC Symbol;Acc:HGNC:30266]
0,791949207	1,65E-14	1,97E-13	IQSEC2	IQ motif and Sec7 domain 2 [Source:HGNC Symbol;Acc:HGNC:29059]
0,79194848	6,89E-05	0,000324586	SLC15A2	solute carrier family 15 member 2 [Source:HGNC Symbol;Acc:HGNC:10921]
0,791912587	0,000136094	0,000607835	INPP5D	inositol polyphosphate-5-phosphatase D [Source:HGNC Symbol;Acc:HGNC:6079]
0,791651254	8,01E-06	4,33E-05	REPS2	RALBP1 associated Eps domain containing 2 [Source:HGNC Symbol;Acc:HGNC:9963]
0,791561693	5,37E-09	4,15E-08	TMEFF2	transmembrane protein with EGF like and two follistatin like domains 2 [Source:HGNC Symbol;Acc:HGNC:11867]

0,790299033	8,44E-08	5,79E-07	CDK18	cyclin dependent kinase 18 [Source:HGNC Symbol;Acc:HGNC:8751]
0,789736352	1,43E-17	2,05E-16	MAP3K4	mitogen-activated protein kinase kinase kinase 4 [Source:HGNC Symbol;Acc:HGNC:6856]
0,789680361	1,33E-05	6,95E-05	POPDC3	popeye domain containing 3 [Source:HGNC Symbol;Acc:HGNC:17649]
0,789329545	4,90E-21	8,30E-20	ARMCX1	armadillo repeat containing X-linked 1 [Source:HGNC Symbol;Acc:HGNC:18073]
0,788822187	2,85E-19	4,46E-18	JARID2	jumonji and AT-rich interaction domain containing 2 [Source:HGNC Symbol;Acc:HGNC:6196]
0,786680808	1,91E-05	9,75E-05	FOS	Fos proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3796]
0,785598409	3,11E-87	3,00E-85	PSAP	prosaposin [Source:HGNC Symbol;Acc:HGNC:9498]
0,784098487	0,01275439	0,036706466	KANTR	KDM5C adjacent transcript [Source:HGNC Symbol;Acc:HGNC:49510]
0,782317923	0,016036671	0,044781296	PPP1R1B	protein phosphatase 1 regulatory inhibitor subunit 1B [Source:HGNC Symbol;Acc:HGNC:9287]
0,781560759	0,000307206	0,001280696	LRAT	lecithin retinol acyltransferase [Source:HGNC Symbol;Acc:HGNC:6685]
0,781274136	1,63E-11	1,56E-10	RFX3	regulatory factor X3 [Source:HGNC Symbol;Acc:HGNC:9984]
0,780835825	4,80E-41	1,67E-39	JUP	junction plakoglobin [Source:HGNC Symbol;Acc:HGNC:6207]
0,780323833	1,74E-42	6,32E-41	PLTP	phospholipid transfer protein [Source:HGNC Symbol;Acc:HGNC:9093]
0,779308501	1,01E-09	8,27E-09	RGS10	regulator of G protein signaling 10 [Source:HGNC Symbol;Acc:HGNC:9992]
0,778871594	2,17E-17	3,09E-16	FLCN	folliculin [Source:HGNC Symbol;Acc:HGNC:27310]
0,778621283	1,22E-16	1,65E-15	FAM171B	family with sequence similarity 171 member B [Source:HGNC Symbol;Acc:HGNC:29412]
0,777565831	0,012902199	0,037071376	RAB38	RAB38, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9776]
0,777423809	4,71E-11	4,33E-10	PLPP2	phospholipid phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:9230]
0,777046682	0,010575482	0,031184897	NKD1	naked cuticle homolog 1 [Source:HGNC Symbol;Acc:HGNC:17045]
0,776073547	3,06E-08	2,20E-07	CRYBG1	crystallin beta-gamma domain containing 1 [Source:HGNC Symbol;Acc:HGNC:356]
0,775714265	4,42E-10	3,75E-09	PTCHD4	patched domain containing 4 [Source:HGNC Symbol;Acc:HGNC:21345]
0,775212569	0,005956091	0,018901702	ST3GAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:18080]
0,772961919	1,13E-09	9,24E-09	NOS1AP	nitric oxide synthase 1 adaptor protein [Source:HGNC Symbol;Acc:HGNC:16859]
0,772745114	4,12E-12	4,15E-11	DENND4A	DENN domain containing 4A [Source:HGNC Symbol;Acc:HGNC:24321]
0,772473691	3,83E-05	0,000187949	GSTO2	glutathione S-transferase omega 2 [Source:HGNC Symbol;Acc:HGNC:23064]
0,772065405	0,003947381	0,013058793	COL15A1	collagen type XV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2192]
0,771541656	0,000554444	0,002205727	PCLO	piccolo presynaptic cytomatrix protein [Source:HGNC Symbol;Acc:HGNC:13406]
0,769847858	1,69E-29	4,06E-28	CALCOCO1	calcium binding and coiled-coil domain 1 [Source:HGNC Symbol;Acc:HGNC:29306]
0,768045984	2,71E-05	0,000135903	WIPF3	WAS/WASL interacting protein family member 3 [Source:HGNC Symbol;Acc:HGNC:22004]
0,767933385	1,43E-35	4,23E-34	ZFAND6	zinc finger AN1-type containing 6 [Source:HGNC Symbol;Acc:HGNC:30164]
0,767678238	4,03E-10	3,44E-09	SLC22A18	solute carrier family 22 member 18 [Source:HGNC Symbol;Acc:HGNC:10964]
0,766638683	0,000417536	0,001703322	EPHX2	epoxide hydrolase 2 [Source:HGNC Symbol;Acc:HGNC:3402]

0,766168182	4,44E-63	2,75E-61	WWTR1	WW domain containing transcription regulator 1 [Source:HGNC Symbol;Acc:HGNC:24042]
0,764861319	4,26E-05	0,000207777	KBTBD11	kelch repeat and BTB domain containing 11 [Source:HGNC Symbol;Acc:HGNC:29104]
0,763353057	1,03E-23	1,95E-22	SRPX2	sushi repeat containing protein X-linked 2 [Source:HGNC Symbol;Acc:HGNC:30668]
0,761904963	1,19E-10	1,06E-09	UAP1L1	UDP-N-acetylglucosamine pyrophosphorylase 1 like 1 [Source:HGNC Symbol;Acc:HGNC:28082]
0,760735166	3,49E-38	1,12E-36	ADAMTS14	ADAM metalloproteinase with thrombospondin type 1 motif 14 [Source:HGNC Symbol;Acc:HGNC:14899]
0,760490883	3,87E-09	3,03E-08	GPCPD1	glycerophosphocholine phosphodiesterase 1 [Source:HGNC Symbol;Acc:HGNC:26957]
0,760435533	1,05E-22	1,90E-21	SLC6A9	solute carrier family 6 member 9 [Source:HGNC Symbol;Acc:HGNC:11056]
0,759357334	8,91E-48	3,78E-46	POU3F2	POU class 3 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:9215]
0,758894385	8,88E-15	1,07E-13	SMIM29	small integral membrane protein 29 [Source:HGNC Symbol;Acc:HGNC:1340]
0,758810821	0,011033574	0,03238807	AATK	apoptosis associated tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:21]
0,757692949	0,000107716	0,000489769	RORA	RAR related orphan receptor A [Source:HGNC Symbol;Acc:HGNC:10258]
0,757214072	1,71E-05	8,81E-05	SECTM1	secreted and transmembrane 1 [Source:HGNC Symbol;Acc:HGNC:10707]
0,757073017	0,000796018	0,003084569	HACD4	3-hydroxyacyl-CoA dehydratase 4 [Source:HGNC Symbol;Acc:HGNC:20920]
0,755860258	3,24E-31	8,33E-30	NEU1	neuraminidase 1 [Source:HGNC Symbol;Acc:HGNC:7758]
0,755612862	4,97E-10	4,20E-09	CDKN1C	cyclin dependent kinase inhibitor 1C [Source:HGNC Symbol;Acc:HGNC:1786]
0,755292438	3,09E-45	1,22E-43	NUMA1	nuclear mitotic apparatus protein 1 [Source:HGNC Symbol;Acc:HGNC:8059]
0,755164967	0,000272774	0,00114701	GGT1	gamma-glutamyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:4250]
0,754711107	4,47E-05	0,000217482	ENOX1	ecto-NOX disulfide-thiol exchanger 1 [Source:HGNC Symbol;Acc:HGNC:25474]
0,754196833	1,04E-12	1,11E-11	FAH	fumarylacetoacetate hydrolase [Source:HGNC Symbol;Acc:HGNC:3579]
0,75369057	1,33E-12	1,40E-11	TCF7	transcription factor 7 [Source:HGNC Symbol;Acc:HGNC:11639]
0,753595318	2,85E-50	1,28E-48	MYO1B	myosin IB [Source:HGNC Symbol;Acc:HGNC:7596]
0,753235836	1,61E-42	5,86E-41	AKR1B1	aldo-keto reductase family 1 member B [Source:HGNC Symbol;Acc:HGNC:381]
0,752529517	9,58E-33	2,60E-31	TP53INP1	tumor protein p53 inducible nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:18022]
0,751179228	4,99E-06	2,77E-05	CADPS2	calcium dependent secretion activator 2 [Source:HGNC Symbol;Acc:HGNC:16018]
0,750255239	1,72E-57	9,17E-56	TSPAN9	tetraspanin 9 [Source:HGNC Symbol;Acc:HGNC:21640]
0,750197518	3,60E-27	7,83E-26	ITPRIP	inositol 1,4,5-trisphosphate receptor interacting protein [Source:HGNC Symbol;Acc:HGNC:29370]
0,749947986	7,95E-25	1,58E-23	SRGAP3	SLIT-ROBO Rho GTPase activating protein 3 [Source:HGNC Symbol;Acc:HGNC:19744]
0,748107991	2,90E-09	2,29E-08	NPTX1	neuronal pentraxin 1 [Source:HGNC Symbol;Acc:HGNC:7952]
0,747200334	1,25E-10	1,11E-09	ERMAP	erythroblast membrane associated protein (Scianna blood group) [Source:HGNC Symbol;Acc:HGNC:15743]
0,746297028	8,43E-06	4,54E-05	TMEM53	transmembrane protein 53 [Source:HGNC Symbol;Acc:HGNC:26186]
0,745866185	0,012599794	0,036344078	SLC47A2	solute carrier family 47 member 2 [Source:HGNC Symbol;Acc:HGNC:26439]
0,745575076	6,63E-05	0,000313073	ZBTB20	zinc finger and BTB domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13503]

0,745392304	1,21E-25	2,50E-24	SV2A	synaptic vesicle glycoprotein 2A [Source:HGNC Symbol;Acc:HGNC:20566]
0,745343617	2,14E-17	3,05E-16	KIAA1147	KIAA1147 [Source:HGNC Symbol;Acc:HGNC:29472]
0,745234067	6,93E-41	2,39E-39	SVIL	supervillin [Source:HGNC Symbol;Acc:HGNC:11480]
0,745180985	0,002755715	0,009461677	PNPLA7	patatin like phospholipase domain containing 7 [Source:HGNC Symbol;Acc:HGNC:24768]
0,744142841	0,009981578	0,029668021	SMIM10L2B	small integral membrane protein 10 like 2B [Source:HGNC Symbol;Acc:HGNC:34500]
0,743669639	2,11E-10	1,85E-09	HHAT	hedgehog acyltransferase [Source:HGNC Symbol;Acc:HGNC:18270]
0,743644174	0,001107643	0,004148799	PRR36	proline rich 36 [Source:HGNC Symbol;Acc:HGNC:26172]
0,743433944	2,61E-13	2,90E-12	TGFB1	transforming growth factor beta induced [Source:HGNC Symbol;Acc:HGNC:11771]
0,743118541	2,53E-12	2,61E-11	SLC35E4	solute carrier family 35 member E4 [Source:HGNC Symbol;Acc:HGNC:17058]
0,742818723	2,33E-16	3,10E-15	DSEL	dermatan sulfate epimerase like [Source:HGNC Symbol;Acc:HGNC:18144]
0,742406763	1,36E-22	2,45E-21	UNC5B	unc-5 netrin receptor B [Source:HGNC Symbol;Acc:HGNC:12568]
0,742341997	6,66E-21	1,12E-19	PGAP1	post-GPI attachment to proteins 1 [Source:HGNC Symbol;Acc:HGNC:25712]
0,742044221	1,77E-17	2,53E-16	SLC25A37	solute carrier family 25 member 37 [Source:HGNC Symbol;Acc:HGNC:29786]
0,742010092	1,88E-18	2,81E-17	CASTOR3	CASTOR family member 3 [Source:HGNC Symbol;Acc:HGNC:29954]
0,740904539	0,000841214	0,003242223	OSR1	odd-skipped related transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:8111]
0,740340204	0,001306461	0,004820914	ZNF792	zinc finger protein 792 [Source:HGNC Symbol;Acc:HGNC:24751]
0,740046098	5,90E-11	5,36E-10	ACVR2A	activin A receptor type 2A [Source:HGNC Symbol;Acc:HGNC:173]
0,739455064	6,92E-05	0,000325665	ANO4	anoctamin 4 [Source:HGNC Symbol;Acc:HGNC:23837]
0,739101062	4,10E-08	2,91E-07	ZNF667	zinc finger protein 667 [Source:HGNC Symbol;Acc:HGNC:28854]
0,738581313	0,004686215	0,015243158	ALOX12	arachidonate 12-lipoxygenase, 12S type [Source:HGNC Symbol;Acc:HGNC:429]
0,738538158	3,10E-07	2,00E-06	NBEA	neurobeachin [Source:HGNC Symbol;Acc:HGNC:7648]
0,737426038	0,002132828	0,007522657	TMEM86A	transmembrane protein 86A [Source:HGNC Symbol;Acc:HGNC:26890]
0,736978294	4,65E-06	2,59E-05	C6orf226	chromosome 6 open reading frame 226 [Source:HGNC Symbol;Acc:HGNC:34431]
0,736935899	2,21E-15	2,77E-14	NHS	NHS actin remodeling regulator [Source:HGNC Symbol;Acc:HGNC:7820]
0,736865302	0,004883259	0,015807259	CACNG8	calcium voltage-gated channel auxiliary subunit gamma 8 [Source:HGNC Symbol;Acc:HGNC:13628]
0,735780649	1,14E-21	1,97E-20	ANKRD10	ankyrin repeat domain 10 [Source:HGNC Symbol;Acc:HGNC:20265]
0,734884312	1,86E-35	5,50E-34	PTPRG	protein tyrosine phosphatase, receptor type G [Source:HGNC Symbol;Acc:HGNC:9671]
0,734789816	3,27E-17	4,58E-16	NADK2	NAD kinase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:26404]
0,733534988	3,22E-36	9,78E-35	PIK3R1	phosphoinositide-3-kinase regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:8979]
0,733047334	1,42E-13	1,60E-12	FAM214A	family with sequence similarity 214 member A [Source:HGNC Symbol;Acc:HGNC:25609]
0,732998415	1,79E-14	2,13E-13	FNIP1	folliculin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:29418]
0,732377669	8,50E-29	1,99E-27	HDAC5	histone deacetylase 5 [Source:HGNC Symbol;Acc:HGNC:14068]
0,731777678	2,45E-17	3,47E-16	SCRN2	secernin 2 [Source:HGNC Symbol;Acc:HGNC:30381]
0,731702084	7,07E-16	9,09E-15	CROT	carnitine O-octanoyltransferase [Source:HGNC Symbol;Acc:HGNC:2366]

0,731033759	7,17E-49	3,12E-47	TPP1	tripeptidyl peptidase 1 [Source:HGNC Symbol;Acc:HGNC:2073]
0,730868618	0,009267235	0,027787385	ELFN1	extracellular leucine rich repeat and fibronectin type III domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33154]
0,728938932	3,48E-34	9,88E-33	CCND2	cyclin D2 [Source:HGNC Symbol;Acc:HGNC:1583]
0,728012407	2,04E-10	1,79E-09	ECM1	extracellular matrix protein 1 [Source:HGNC Symbol;Acc:HGNC:3153]
0,727663304	1,02E-17	1,48E-16	TYRO3	TYRO3 protein tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:12446]
0,726869863	8,69E-15	1,05E-13	HSD17B14	hydroxysteroid 17-beta dehydrogenase 14 [Source:HGNC Symbol;Acc:HGNC:23238]
0,726700611	9,57E-23	1,73E-21	PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:15882]
0,726248287	0,004002409	0,013209311	CSRNP3	cysteine and serine rich nuclear protein 3 [Source:HGNC Symbol;Acc:HGNC:30729]
0,724124929	1,62E-33	4,50E-32	APOBEC3C	apolipoprotein B mRNA editing enzyme catalytic subunit 3C [Source:HGNC Symbol;Acc:HGNC:17353]
0,723810036	0,000105505	0,000480845	CLMN	calmin [Source:HGNC Symbol;Acc:HGNC:19972]
0,723581561	1,01E-08	7,64E-08	FBLN2	fibulin 2 [Source:HGNC Symbol;Acc:HGNC:3601]
0,722725655	0,000153952	0,000679769	ACVR2B	activin A receptor type 2B [Source:HGNC Symbol;Acc:HGNC:174]
0,722659017	0,000889969	0,003408473	FRAT1	FRAT1, WNT signaling pathway regulator [Source:HGNC Symbol;Acc:HGNC:3944]
0,721553792	1,06E-40	3,65E-39	ANPEP	alanyl aminopeptidase, membrane [Source:HGNC Symbol;Acc:HGNC:500]
0,720630896	2,07E-22	3,68E-21	SLC27A1	solute carrier family 27 member 1 [Source:HGNC Symbol;Acc:HGNC:10995]
0,720204837	3,17E-15	3,93E-14	HDAC4	histone deacetylase 4 [Source:HGNC Symbol;Acc:HGNC:14063]
0,720043504	8,53E-26	1,78E-24	SPRED2	sprouty related EVH1 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:17722]
0,719927961	9,04E-21	1,51E-19	CXCL12	C-X-C motif chemokine ligand 12 [Source:HGNC Symbol;Acc:HGNC:10672]
0,718143363	2,38E-05	0,000120357	CRACR2B	calcium release activated channel regulator 2B [Source:HGNC Symbol;Acc:HGNC:28703]
0,717909569	0,005374202	0,017226919	CCDC88B	coiled-coil domain containing 88B [Source:HGNC Symbol;Acc:HGNC:26757]
0,716919432	8,02E-06	4,34E-05	DRP2	dystrophin related protein 2 [Source:HGNC Symbol;Acc:HGNC:3032]
0,715447492	4,55E-09	3,54E-08	PDE4D	phosphodiesterase 4D [Source:HGNC Symbol;Acc:HGNC:8783]
0,713687541	2,19E-28	5,04E-27	AGPAT5	1-acylglycerol-3-phosphate O-acyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:20886]
0,71338837	1,04E-05	5,53E-05	STAG3	stromal antigen 3 [Source:HGNC Symbol;Acc:HGNC:11356]
0,713296856	1,48E-10	1,31E-09	ALDH1L1	aldehyde dehydrogenase 1 family member L1 [Source:HGNC Symbol;Acc:HGNC:3978]
0,713172992	6,29E-16	8,11E-15	CDK19	cyclin dependent kinase 19 [Source:HGNC Symbol;Acc:HGNC:19338]
0,712569958	0,00098618	0,003733479	PRDM8	PR/SET domain 8 [Source:HGNC Symbol;Acc:HGNC:13993]
0,711509524	0,000145587	0,000645333	SLC22A4	solute carrier family 22 member 4 [Source:HGNC Symbol;Acc:HGNC:10968]
0,711446657	1,43E-22	2,58E-21	COL27A1	collagen type XXVII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:22986]
0,710384125	1,04E-18	1,58E-17	MRPS6	mitochondrial ribosomal protein S6 [Source:HGNC Symbol;Acc:HGNC:14051]
0,708180043	2,59E-16	3,42E-15	MAML2	mastermind like transcriptional coactivator 2 [Source:HGNC Symbol;Acc:HGNC:16259]
0,706729337	7,74E-33	2,11E-31	TNKS	tankyrase [Source:HGNC Symbol;Acc:HGNC:11941]

0,70660186	0,002873325	0,009832436	ARHGAP4	Rho GTPase activating protein 4 [Source:HGNC Symbol;Acc:HGNC:674]
0,705864609	5,29E-15	6,50E-14	TFPI	tissue factor pathway inhibitor [Source:HGNC Symbol;Acc:HGNC:11760]
0,705678894	8,38E-14	9,60E-13	PKIA	cAMP-dependent protein kinase inhibitor alpha [Source:HGNC Symbol;Acc:HGNC:9017]
0,70560377	2,25E-08	1,64E-07	UTY	ubiquitously transcribed tetratricopeptide repeat containing, Y-linked [Source:HGNC Symbol;Acc:HGNC:12638]
0,70535201	2,83E-17	3,99E-16	ZHX2	zinc fingers and homeoboxes 2 [Source:HGNC Symbol;Acc:HGNC:18513]
0,705097528	2,52E-36	7,71E-35	SSX2IP	SSX family member 2 interacting protein [Source:HGNC Symbol;Acc:HGNC:16509]
0,704979987	1,41E-13	1,60E-12	SPRED3	sprouty related EVH1 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:31041]
0,704681978	1,05E-05	5,55E-05	ARHGEF37	Rho guanine nucleotide exchange factor 37 [Source:HGNC Symbol;Acc:HGNC:34430]
0,704352303	4,89E-17	6,77E-16	RAB13	RAB13, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9762]
0,702394616	1,68E-10	1,47E-09	ARID4A	AT-rich interaction domain 4A [Source:HGNC Symbol;Acc:HGNC:9885]
0,702317966	3,73E-06	2,10E-05	HSD17B11	hydroxysteroid 17-beta dehydrogenase 11 [Source:HGNC Symbol;Acc:HGNC:22960]
0,700222726	2,14E-29	5,12E-28	WSCD1	WSC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29060]
0,699962474	3,17E-05	0,000157679	BFSP1	beaded filament structural protein 1 [Source:HGNC Symbol;Acc:HGNC:1040]
0,699452721	6,23E-16	8,04E-15	HECTD2	HECT domain E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:HGNC:26736]
0,697152918	0,006377475	0,020081338	LEF1	lymphoid enhancer binding factor 1 [Source:HGNC Symbol;Acc:HGNC:6551]
0,696866684	0,00079788	0,003089934	STMN4	stathmin 4 [Source:HGNC Symbol;Acc:HGNC:16078]
0,695944569	4,18E-36	1,26E-34	INSIG1	insulin induced gene 1 [Source:HGNC Symbol;Acc:HGNC:6083]
0,694618813	1,40E-07	9,36E-07	RALGDS	ral guanine nucleotide dissociation stimulator [Source:HGNC Symbol;Acc:HGNC:9842]
0,694063662	1,22E-21	2,11E-20	SIPA1L3	signal induced proliferation associated 1 like 3 [Source:HGNC Symbol;Acc:HGNC:23801]
0,693728715	3,87E-05	0,000190038	OCEL1	occludin/ELL domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26221]
0,693093347	1,01E-23	1,92E-22	ANKRD28	ankyrin repeat domain 28 [Source:HGNC Symbol;Acc:HGNC:29024]
0,692751909	1,73E-31	4,49E-30	XPNPEP1	X-prolyl aminopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:12822]
0,691822747	2,84E-49	1,26E-47	PBXIP1	PBX homeobox interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:21199]
0,691677619	6,66E-15	8,09E-14	OTX1	orthodenticle homeobox 1 [Source:HGNC Symbol;Acc:HGNC:8521]
0,689789894	2,89E-10	2,49E-09	RND2	Rho family GTPase 2 [Source:HGNC Symbol;Acc:HGNC:18315]
0,689053987	4,84E-22	8,49E-21	CMBL	carboxymethylenebutenolidase homolog [Source:HGNC Symbol;Acc:HGNC:25090]
0,689016481	1,45E-34	4,17E-33	EMP1	epithelial membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:3333]
0,688873381	1,45E-05	7,52E-05	CDH10	cadherin 10 [Source:HGNC Symbol;Acc:HGNC:1749]
0,687986903	2,27E-11	2,15E-10	TMEM108	transmembrane protein 108 [Source:HGNC Symbol;Acc:HGNC:28451]
0,68546501	0,003719976	0,012389059	CCDC171	coiled-coil domain containing 171 [Source:HGNC Symbol;Acc:HGNC:29828]
0,682685218	0,012101743	0,035119848	CHRNA7	cholinergic receptor nicotinic alpha 7 subunit [Source:HGNC Symbol;Acc:HGNC:1960]

0,68167931	6,83E-12	6,73E-11	OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF [Source:HGNC Symbol;Acc:HGNC:15719]
0,681053333	2,42E-07	1,58E-06	PHYH	phytanoyl-CoA 2-hydroxylase [Source:HGNC Symbol;Acc:HGNC:8940]
0,680820222	7,91E-32	2,08E-30	AKIRIN2	akirin 2 [Source:HGNC Symbol;Acc:HGNC:21407]
0,680661648	0,00042223	0,001721384	NR4A2	nuclear receptor subfamily 4 group A member 2 [Source:HGNC Symbol;Acc:HGNC:7981]
0,680482524	8,95E-17	1,22E-15	IL17RC	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]
0,680181267	0,002970615	0,010134977	IDNK	IDNK, gluconokinase [Source:HGNC Symbol;Acc:HGNC:31367]
0,679914251	1,07E-18	1,62E-17	GLMP	glycosylated lysosomal membrane protein [Source:HGNC Symbol;Acc:HGNC:29436]
0,679465588	1,10E-05	5,82E-05	TRPV2	transient receptor potential cation channel subfamily V member 2 [Source:HGNC Symbol;Acc:HGNC:18082]
0,678676023	4,96E-07	3,12E-06	TNFRSF10A	TNF receptor superfamily member 10a [Source:HGNC Symbol;Acc:HGNC:11904]
0,67656147	1,30E-13	1,47E-12	CARD19	caspase recruitment domain family member 19 [Source:HGNC Symbol;Acc:HGNC:28148]
0,676371467	0,000267614	0,001127265	OTUB2	OTU deubiquitinase, ubiquitin aldehyde binding 2 [Source:HGNC Symbol;Acc:HGNC:20351]
0,676266705	3,38E-10	2,90E-09	FAIM2	Fas apoptotic inhibitory molecule 2 [Source:HGNC Symbol;Acc:HGNC:17067]
0,676169259	1,48E-11	1,42E-10	LONRF1	LON peptidase N-terminal domain and ring finger 1 [Source:HGNC Symbol;Acc:HGNC:26302]
0,675870442	1,13E-05	5,97E-05	C17orf58	chromosome 17 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:27568]
0,675641562	1,89E-07	1,25E-06	RNF208	ring finger protein 208 [Source:HGNC Symbol;Acc:HGNC:25420]
0,674965521	0,000593589	0,002350855	NRARP	NOTCH regulated ankyrin repeat protein [Source:HGNC Symbol;Acc:HGNC:33843]
0,674279756	3,61E-06	2,04E-05	CRYL1	crystallin lambda 1 [Source:HGNC Symbol;Acc:HGNC:18246]
0,673711307	0,003926882	0,01299541	LRRC75A	leucine rich repeat containing 75A [Source:HGNC Symbol;Acc:HGNC:32403]
0,672452075	7,54E-06	4,09E-05	TDRD3	tudor domain containing 3 [Source:HGNC Symbol;Acc:HGNC:20612]
0,672408636	1,05E-06	6,36E-06	STOX2	storkhead box 2 [Source:HGNC Symbol;Acc:HGNC:25450]
0,670136653	0,001275253	0,004716517	TIGD6	tigger transposable element derived 6 [Source:HGNC Symbol;Acc:HGNC:18332]
0,669799979	6,24E-14	7,20E-13	MPG	N-methylpurine DNA glycosylase [Source:HGNC Symbol;Acc:HGNC:7211]
0,669700654	5,76E-09	4,44E-08	AMDHD2	amidohydrolase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24262]
0,669305615	8,64E-10	7,15E-09	TCF7L2	transcription factor 7 like 2 [Source:HGNC Symbol;Acc:HGNC:11641]
0,6688311	0,016985667	0,047021949	TBX19	T-box 19 [Source:HGNC Symbol;Acc:HGNC:11596]
0,668734117	0,000115184	0,00052165	AQP5	aquaporin 5 [Source:HGNC Symbol;Acc:HGNC:638]
0,668513832	0,000865133	0,003320565	P2RY1	purinergic receptor P2Y1 [Source:HGNC Symbol;Acc:HGNC:8539]
0,668102035	0,001442668	0,005275374	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:24290]
0,668000283	9,80E-11	8,74E-10	GAP43	growth associated protein 43 [Source:HGNC Symbol;Acc:HGNC:4140]
0,667769612	4,02E-23	7,38E-22	HPCAL1	hippocalcin like 1 [Source:HGNC Symbol;Acc:HGNC:5145]
0,667746073	0,004614492	0,015035063	IGSF9	immunoglobulin superfamily member 9 [Source:HGNC Symbol;Acc:HGNC:18132]
0,667731181	3,92E-36	1,18E-34	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 [Source:HGNC Symbol;Acc:HGNC:8874]

0,666716461	7,79E-08	5,38E-07	INHBB	inhibin subunit beta B [Source:HGNC Symbol;Acc:HGNC:6067]
0,666675074	1,12E-20	1,86E-19	PNRC1	proline rich nuclear receptor coactivator 1 [Source:HGNC Symbol;Acc:HGNC:17278]
0,66666545	0,00193526	0,006875807	TLCD1	TLC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25177]
0,665683773	2,01E-22	3,59E-21	SCARB1	scavenger receptor class B member 1 [Source:HGNC Symbol;Acc:HGNC:1664]
0,664329872	1,83E-15	2,30E-14	EPHX1	epoxide hydrolase 1 [Source:HGNC Symbol;Acc:HGNC:3401]
0,664163904	0,002746903	0,009438101	LRRC56	leucine rich repeat containing 56 [Source:HGNC Symbol;Acc:HGNC:25430]
0,663953975	0,001062243	0,003993392	HS3ST1	heparan sulfate-glucosamine 3-sulfotransferase 1 [Source:HGNC Symbol;Acc:HGNC:5194]
0,663773947	7,09E-25	1,42E-23	JAG1	jagged 1 [Source:HGNC Symbol;Acc:HGNC:6188]
0,663407118	8,95E-21	1,49E-19	BBS2	Bardet-Biedl syndrome 2 [Source:HGNC Symbol;Acc:HGNC:967]
0,663040413	2,45E-17	3,46E-16	TGIF1	TGFB induced factor homeobox 1 [Source:HGNC Symbol;Acc:HGNC:11776]
0,662774011	8,22E-51	3,73E-49	ZFAND5	zinc finger AN1-type containing 5 [Source:HGNC Symbol;Acc:HGNC:13008]
0,66200806	4,74E-07	2,99E-06	FAM110B	family with sequence similarity 110 member B [Source:HGNC Symbol;Acc:HGNC:28587]
0,661913426	3,78E-11	3,51E-10	KIAA1671	KIAA1671 [Source:HGNC Symbol;Acc:HGNC:29345]
0,661182106	2,57E-13	2,85E-12	VAT1L	vesicle amine transport 1 like [Source:HGNC Symbol;Acc:HGNC:29315]
0,661002165	9,52E-23	1,73E-21	UBE2J1	ubiquitin conjugating enzyme E2 J1 [Source:HGNC Symbol;Acc:HGNC:17598]
0,659331499	0,000156794	0,00069122	CUBN	cubilin [Source:HGNC Symbol;Acc:HGNC:2548]
0,659293563	2,94E-12	3,02E-11	TNRC6B	trinucleotide repeat containing 6B [Source:HGNC Symbol;Acc:HGNC:29190]
0,659174469	2,25E-28	5,18E-27	FNDC3A	fibronectin type III domain containing 3A [Source:HGNC Symbol;Acc:HGNC:20296]
0,658859272	1,61E-06	9,56E-06	CPVL	carboxypeptidase, vitellogenic like [Source:HGNC Symbol;Acc:HGNC:14399]
0,657042332	3,74E-13	4,11E-12	CDCA7L	cell division cycle associated 7 like [Source:HGNC Symbol;Acc:HGNC:30777]
0,656534083	1,48E-35	4,37E-34	ZEB1	zinc finger E-box binding homeobox 1 [Source:HGNC Symbol;Acc:HGNC:11642]
0,656365931	2,84E-05	0,000141819	LRRC4C	leucine rich repeat containing 4C [Source:HGNC Symbol;Acc:HGNC:29317]
0,65602073	5,41E-15	6,63E-14	CEP57	centrosomal protein 57 [Source:HGNC Symbol;Acc:HGNC:30794]
0,655914212	6,57E-14	7,56E-13	SPATA18	spermatogenesis associated 18 [Source:HGNC Symbol;Acc:HGNC:29579]
0,65402624	1,59E-19	2,52E-18	DYRK1B	dual specificity tyrosine phosphorylation regulated kinase 1B [Source:HGNC Symbol;Acc:HGNC:3092]
0,653971884	0,000164479	0,000722473	AL365205,1	novel transcript
0,653963834	8,65E-05	0,000401099	PDE6B	phosphodiesterase 6B [Source:HGNC Symbol;Acc:HGNC:8786]
0,653738368	4,17E-18	6,15E-17	KAT7	lysine acetyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:17016]
0,653719383	7,65E-13	8,24E-12	SAT2	spermidine/spermine N1-acetyltransferase family member 2 [Source:HGNC Symbol;Acc:HGNC:23160]
0,653612103	2,43E-06	1,40E-05	CASP9	caspase 9 [Source:HGNC Symbol;Acc:HGNC:1511]
0,653488846	0,006285341	0,01982339	C9orf72	chromosome 9 open reading frame 72 [Source:HGNC Symbol;Acc:HGNC:28337]
0,653240579	2,01E-05	0,000102467	ZSCAN26	zinc finger and SCAN domain containing 26 [Source:HGNC Symbol;Acc:HGNC:12978]
0,652827189	2,34E-63	1,46E-61	CD63	CD63 molecule [Source:HGNC Symbol;Acc:HGNC:1692]

0,652572009	0,001324154	0,004877855	KCNMB4	potassium calcium-activated channel subfamily M regulatory beta subunit 4 [Source:HGNC Symbol;Acc:HGNC:6289]
0,652116162	0,002253309	0,007905934	GATA3	GATA binding protein 3 [Source:HGNC Symbol;Acc:HGNC:4172]
0,651985854	1,13E-06	6,85E-06	STX3	syntaxin 3 [Source:HGNC Symbol;Acc:HGNC:11438]
0,651746515	6,23E-17	8,58E-16	ANKRD12	ankyrin repeat domain 12 [Source:HGNC Symbol;Acc:HGNC:29135]
0,649888337	3,33E-08	2,39E-07	PRRT3	proline rich transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:26591]
0,649746208	1,58E-08	1,17E-07	IRAK2	interleukin 1 receptor associated kinase 2 [Source:HGNC Symbol;Acc:HGNC:6113]
0,649495444	0,0005773	0,002290084	ZNF16	zinc finger protein 16 [Source:HGNC Symbol;Acc:HGNC:12947]
0,647697123	1,48E-25	3,05E-24	BOC	BOC cell adhesion associated, oncogene regulated [Source:HGNC Symbol;Acc:HGNC:17173]
0,647071359	3,25E-06	1,85E-05	FN3K	fructosamine 3 kinase [Source:HGNC Symbol;Acc:HGNC:24822]
0,64669087	0,000275827	0,001158842	CYB5R2	cytochrome b5 reductase 2 [Source:HGNC Symbol;Acc:HGNC:24376]
0,646474035	7,28E-16	9,35E-15	HIST1H2AC	histone cluster 1 H2A family member c [Source:HGNC Symbol;Acc:HGNC:4733]
0,64497909	0,007296672	0,022540467	SWT1	SWT1, RNA endoribonuclease homolog [Source:HGNC Symbol;Acc:HGNC:16785]
0,644449407	2,16E-18	3,22E-17	BIN1	bridging integrator 1 [Source:HGNC Symbol;Acc:HGNC:1052]
0,644376257	4,03E-08	2,86E-07	TMEM135	transmembrane protein 135 [Source:HGNC Symbol;Acc:HGNC:26167]
0,644366267	4,03E-18	5,94E-17	GDF15	growth differentiation factor 15 [Source:HGNC Symbol;Acc:HGNC:30142]
0,644316808	0,014993826	0,042151265	SSPO	SCO-spondin [Source:HGNC Symbol;Acc:HGNC:21998]
0,643679527	6,19E-19	9,51E-18	BAIAP2	BAI1 associated protein 2 [Source:HGNC Symbol;Acc:HGNC:947]
0,643667439	4,23E-12	4,26E-11	RIN2	Ras and Rab interactor 2 [Source:HGNC Symbol;Acc:HGNC:18750]
0,643666869	1,27E-05	6,66E-05	SHF	Src homology 2 domain containing F [Source:HGNC Symbol;Acc:HGNC:25116]
0,64362638	1,82E-05	9,31E-05	GDPD2	glycerophosphodiester phosphodiesterase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25974]
0,643484452	7,07E-37	2,20E-35	GAA	glucosidase alpha, acid [Source:HGNC Symbol;Acc:HGNC:4065]
0,642070719	1,82E-07	1,20E-06	PNPLA3	patatin like phospholipase domain containing 3 [Source:HGNC Symbol;Acc:HGNC:18590]
0,641653212	1,34E-09	1,09E-08	MMP17	matrix metalloproteinase 17 [Source:HGNC Symbol;Acc:HGNC:7163]
0,640003997	3,16E-47	1,32E-45	MDK	midkine [Source:HGNC Symbol;Acc:HGNC:6972]
0,639544052	1,09E-18	1,65E-17	MGST1	microsomal glutathione S-transferase 1 [Source:HGNC Symbol;Acc:HGNC:7061]
0,63953718	0,006748077	0,021070504	EID2B	EP300 interacting inhibitor of differentiation 2B [Source:HGNC Symbol;Acc:HGNC:26796]
0,638886593	2,30E-25	4,68E-24	IGF2BP3	insulin like growth factor 2 mRNA binding protein 3 [Source:HGNC Symbol;Acc:HGNC:28868]
0,638785193	1,85E-11	1,76E-10	COL13A1	collagen type XIII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2190]
0,638574453	1,12E-15	1,43E-14	BBC3	BCL2 binding component 3 [Source:HGNC Symbol;Acc:HGNC:17868]
0,636863293	3,49E-16	4,56E-15	JADE2	jade family PHD finger 2 [Source:HGNC Symbol;Acc:HGNC:22984]
0,636583462	0,003978873	0,013138336	SYCE1L	synaptonemal complex central element protein 1 like [Source:HGNC Symbol;Acc:HGNC:37236]
0,634512985	1,67E-25	3,44E-24	SPECC1	sperm antigen with calponin homology and coiled-coil domains 1 [Source:HGNC Symbol;Acc:HGNC:30615]

0,63352586	0,018248471	0,049997153	THBS4	thrombospondin 4 [Source:HGNC Symbol;Acc:HGNC:11788]
0,63337305	6,11E-20	9,82E-19	DNMBP	dynamin binding protein [Source:HGNC Symbol;Acc:HGNC:30373]
0,633052212	7,34E-06	3,99E-05	NBPF19	NBPF member 19 [Source:HGNC Symbol;Acc:HGNC:31999]
0,632908435	8,34E-13	8,95E-12	ACTR3B	ARP3 actin related protein 3 homolog B [Source:HGNC Symbol;Acc:HGNC:17256]
0,632839726	7,44E-23	1,36E-21	IGDCC4	immunoglobulin superfamily DCC subclass member 4 [Source:HGNC Symbol;Acc:HGNC:13770]
0,632708438	2,31E-06	1,34E-05	SFMBT2	Scm like with four mbt domains 2 [Source:HGNC Symbol;Acc:HGNC:20256]
0,632604723	2,35E-35	6,95E-34	CAMK2D	calcium/calmodulin dependent protein kinase II delta [Source:HGNC Symbol;Acc:HGNC:1462]
0,632168644	0,008631768	0,026152707	F8	coagulation factor VIII [Source:HGNC Symbol;Acc:HGNC:3546]
0,631337787	4,97E-12	4,97E-11	E2F7	E2F transcription factor 7 [Source:HGNC Symbol;Acc:HGNC:23820]
0,631006951	3,70E-06	2,09E-05	ZC3H6	zinc finger CCCH-type containing 6 [Source:HGNC Symbol;Acc:HGNC:24762]
0,630823321	0,00010171	0,000465297	PTCHD1	patched domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26392]
0,628772467	3,14E-20	5,10E-19	LHFPL2	LHFPL tetraspan subfamily member 2 [Source:HGNC Symbol;Acc:HGNC:6588]
0,628672359	2,82E-30	7,02E-29	WBP2	WW domain binding protein 2 [Source:HGNC Symbol;Acc:HGNC:12738]
0,627402027	6,79E-12	6,70E-11	ARHGEF9	Cdc42 guanine nucleotide exchange factor 9 [Source:HGNC Symbol;Acc:HGNC:14561]
0,627151715	8,38E-30	2,03E-28	FOXG1	forkhead box G1 [Source:HGNC Symbol;Acc:HGNC:3811]
0,627119556	4,67E-14	5,44E-13	CNTN1	contactin 1 [Source:HGNC Symbol;Acc:HGNC:2171]
0,626955782	2,98E-07	1,92E-06	SLC35E2A	solute carrier family 35 member E2A [Source:HGNC Symbol;Acc:HGNC:20863]
0,626746103	4,96E-12	4,96E-11	SCPEP1	serine carboxypeptidase 1 [Source:HGNC Symbol;Acc:HGNC:29507]
0,62651502	1,45E-24	2,86E-23	SPRED1	sprouty related EVH1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20249]
0,626079624	4,25E-58	2,31E-56	SCD	stearoyl-CoA desaturase [Source:HGNC Symbol;Acc:HGNC:10571]
0,625558484	2,13E-33	5,89E-32	CDKN2A	cyclin dependent kinase inhibitor 2A [Source:HGNC Symbol;Acc:HGNC:1787]
0,625238528	2,18E-19	3,44E-18	ZNF219	zinc finger protein 219 [Source:HGNC Symbol;Acc:HGNC:13011]
0,624175537	0,008264503	0,025149906	GRIN2D	glutamate ionotropic receptor NMDA type subunit 2D [Source:HGNC Symbol;Acc:HGNC:4588]
0,622748343	4,34E-11	4,02E-10	MLLT3	MLLT3, super elongation complex subunit [Source:HGNC Symbol;Acc:HGNC:7136]
0,622679435	0,002045429	0,007239394	MGP	matrix Gla protein [Source:HGNC Symbol;Acc:HGNC:7060]
0,621693643	1,37E-30	3,45E-29	SESN3	sestrin 3 [Source:HGNC Symbol;Acc:HGNC:23060]
0,62166453	8,16E-08	5,62E-07	CRIP1	CXXC repeat containing interactor of PDZ3 domain [Source:HGNC Symbol;Acc:HGNC:14312]
0,621249823	1,94E-13	2,17E-12	SMIM14	small integral membrane protein 14 [Source:HGNC Symbol;Acc:HGNC:27321]
0,62116837	6,39E-19	9,81E-18	PAX6	paired box 6 [Source:HGNC Symbol;Acc:HGNC:8620]
0,619835776	5,31E-09	4,10E-08	TK2	thymidine kinase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:11831]
0,619442672	2,44E-05	0,000123163	RBM43	RNA binding motif protein 43 [Source:HGNC Symbol;Acc:HGNC:24790]
0,619381238	0,005260631	0,016890769	EPHX4	epoxide hydrolase 4 [Source:HGNC Symbol;Acc:HGNC:23758]
0,619369368	5,70E-08	3,99E-07	CCDC115	coiled-coil domain containing 115 [Source:HGNC Symbol;Acc:HGNC:28178]

0,619339157	0,000145781	0,000646043	<i>FGD6</i>	FYVE, RhoGEF and PH domain containing 6 [Source:HGNC Symbol;Acc:HGNC:21740]
0,619283292	0,009124453	0,027435563	<i>SLC16A13</i>	solute carrier family 16 member 13 [Source:HGNC Symbol;Acc:HGNC:31037]
0,618523883	0,007158109	0,022158281	<i>IFI44</i>	interferon induced protein 44 [Source:HGNC Symbol;Acc:HGNC:16938]
0,618257746	5,81E-06	3,20E-05	<i>APOE</i>	apolipoprotein E [Source:HGNC Symbol;Acc:HGNC:613]
0,617811156	2,23E-06	1,30E-05	<i>EXD3</i>	exonuclease 3'-5' domain containing 3 [Source:HGNC Symbol;Acc:HGNC:26023]
0,617347453	5,23E-18	7,67E-17	<i>SYNGR1</i>	synaptogyrin 1 [Source:HGNC Symbol;Acc:HGNC:11498]
0,616643549	8,06E-27	1,74E-25	<i>IDH1</i>	isocitrate dehydrogenase (NADP(+)) 1, cytosolic [Source:HGNC Symbol;Acc:HGNC:5382]
0,616557172	1,54E-05	7,94E-05	<i>CARF</i>	calcium responsive transcription factor [Source:HGNC Symbol;Acc:HGNC:14435]
0,616167108	7,57E-16	9,71E-15	<i>HS6ST2</i>	heparan sulfate 6-O-sulfotransferase 2 [Source:HGNC Symbol;Acc:HGNC:19133]
0,615997604	2,30E-06	1,34E-05	<i>GAREM1</i>	GRB2 associated regulator of MAPK1 subtype 1 [Source:HGNC Symbol;Acc:HGNC:26136]
0,615554686	0,000826838	0,003193158	<i>ZNF350</i>	zinc finger protein 350 [Source:HGNC Symbol;Acc:HGNC:16656]
0,615465002	3,44E-11	3,21E-10	<i>TSPYL2</i>	TSPY like 2 [Source:HGNC Symbol;Acc:HGNC:24358]
0,615263096	7,60E-05	0,000354969	<i>PIRT</i>	phosphoinositide interacting regulator of transient receptor potential channels [Source:HGNC Symbol;Acc:HGNC:37239]
0,615112539	0,008670851	0,026250629	<i>ZNF600</i>	zinc finger protein 600 [Source:HGNC Symbol;Acc:HGNC:30951]
0,614996027	0,001452847	0,005308594	<i>ZNF441</i>	zinc finger protein 441 [Source:HGNC Symbol;Acc:HGNC:20875]
0,614710332	0,006776698	0,021132671	<i>NAP1L2</i>	nucleosome assembly protein 1 like 2 [Source:HGNC Symbol;Acc:HGNC:7638]
0,614183609	9,98E-25	1,98E-23	<i>MKRN1</i>	makorin ring finger protein 1 [Source:HGNC Symbol;Acc:HGNC:7112]
0,613227601	2,99E-05	0,000149106	<i>PLAG1</i>	PLAG1 zinc finger [Source:HGNC Symbol;Acc:HGNC:9045]
0,612675718	2,87E-08	2,07E-07	<i>HRH1</i>	histamine receptor H1 [Source:HGNC Symbol;Acc:HGNC:5182]
0,611982796	8,59E-05	0,000398727	<i>FGGY</i>	FGGY carbohydrate kinase domain containing [Source:HGNC Symbol;Acc:HGNC:25610]
0,611979062	2,99E-08	2,15E-07	<i>TRMT1L</i>	tRNA methyltransferase 1 like [Source:HGNC Symbol;Acc:HGNC:16782]
0,611832787	0,000484201	0,001949864	<i>AZIN2</i>	antizyme inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:29957]
0,610812446	1,33E-38	4,31E-37	<i>JUN</i>	Jun proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:6204]
0,610412837	2,14E-27	4,72E-26	<i>FADS1</i>	fatty acid desaturase 1 [Source:HGNC Symbol;Acc:HGNC:3574]
0,610158972	1,31E-17	1,88E-16	<i>SCN4B</i>	sodium voltage-gated channel beta subunit 4 [Source:HGNC Symbol;Acc:HGNC:10592]
0,609982406	1,70E-05	8,75E-05	<i>RAB3IP</i>	RAB3A interacting protein [Source:HGNC Symbol;Acc:HGNC:16508]
0,609478036	3,85E-18	5,70E-17	<i>SPATA13</i>	spermatogenesis associated 13 [Source:HGNC Symbol;Acc:HGNC:23222]
0,609390382	3,89E-17	5,41E-16	<i>HOMER3</i>	homer scaffold protein 3 [Source:HGNC Symbol;Acc:HGNC:17514]
0,609122251	3,06E-20	4,98E-19	<i>COX6C</i>	cytochrome c oxidase subunit 6C [Source:HGNC Symbol;Acc:HGNC:2285]
0,608444923	5,75E-11	5,23E-10	<i>TUT7</i>	terminal uridylyl transferase 7 [Source:HGNC Symbol;Acc:HGNC:25817]
0,608363047	8,26E-15	1,00E-13	<i>SACM1L</i>	SAC1 like phosphatidylinositol phosphatase [Source:HGNC Symbol;Acc:HGNC:17059]
0,60795933	1,90E-09	1,52E-08	<i>NYNRIN</i>	NYN domain and retroviral integrase containing [Source:HGNC Symbol;Acc:HGNC:20165]

0,607442449	0,000107556	0,000489154	PIGP	phosphatidylinositol glycan anchor biosynthesis class P [Source:HGNC Symbol;Acc:HGNC:3046]
0,607050237	3,08E-18	4,56E-17	DPF3	double PHD fingers 3 [Source:HGNC Symbol;Acc:HGNC:17427]
0,60666658	0,00031416	0,001306599	SLX4IP	SLX4 interacting protein [Source:HGNC Symbol;Acc:HGNC:16225]
0,606266641	0,00019994	0,000862612	TSNARE1	t-SNARE domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26437]
0,605699431	1,07E-07	7,27E-07	C22orf46	chromosome 22 open reading frame 46 [Source:HGNC Symbol;Acc:HGNC:26294]
0,605631049	3,04E-11	2,85E-10	DLG3	discs large MAGUK scaffold protein 3 [Source:HGNC Symbol;Acc:HGNC:2902]
0,605057347	1,48E-25	3,05E-24	HMGR	3-hydroxy-3-methylglutaryl-CoA reductase [Source:HGNC Symbol;Acc:HGNC:5006]
0,605030359	0,000221143	0,000945474	FAM117A	family with sequence similarity 117 member A [Source:HGNC Symbol;Acc:HGNC:24179]
0,603857729	1,26E-16	1,70E-15	HIP1R	huntingtin interacting protein 1 related [Source:HGNC Symbol;Acc:HGNC:18415]
0,603625801	6,20E-06	3,40E-05	TRIM66	tripartite motif containing 66 [Source:HGNC Symbol;Acc:HGNC:29005]
0,603265478	2,62E-06	1,51E-05	UBN2	ubiquitin 2 [Source:HGNC Symbol;Acc:HGNC:21931]
0,603245975	1,08E-44	4,16E-43	PLD3	phospholipase D family member 3 [Source:HGNC Symbol;Acc:HGNC:17158]
0,602992171	0,003794334	0,012595425	GTF2IRD2	GTF2I repeat domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30775]
0,602851647	9,76E-38	3,09E-36	PGD	phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:8891]
0,602751241	1,51E-18	2,27E-17	PDCD4	programmed cell death 4 [Source:HGNC Symbol;Acc:HGNC:8763]
0,602606528	2,96E-09	2,34E-08	BHLHE41	basic helix-loop-helix family member e41 [Source:HGNC Symbol;Acc:HGNC:16617]
0,601901533	2,58E-05	0,000129819	SEMA6B	semaphorin 6B [Source:HGNC Symbol;Acc:HGNC:10739]
0,601885011	2,81E-10	2,42E-09	CACFD1	calcium channel flower domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1365]
0,601478164	1,81E-10	1,59E-09	C1orf21	chromosome 1 open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:15494]
0,601406553	2,71E-09	2,15E-08	ABHD14B	abhydrolase domain containing 14B [Source:HGNC Symbol;Acc:HGNC:28235]
0,600664261	8,53E-14	9,76E-13	SUSD6	sushi domain containing 6 [Source:HGNC Symbol;Acc:HGNC:19956]
0,599898587	0,012342939	0,035693794	MFSD13A	major facilitator superfamily domain containing 13A [Source:HGNC Symbol;Acc:HGNC:26196]
0,599431127	9,41E-06	5,02E-05	JCAD	junctional cadherin 5 associated [Source:HGNC Symbol;Acc:HGNC:29283]
0,599255894	0,000190408	0,000826263	BDH1	3-hydroxybutyrate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:1027]
0,59873387	2,00E-18	3,00E-17	REV3L	REV3 like, DNA directed polymerase zeta catalytic subunit [Source:HGNC Symbol;Acc:HGNC:9968]
0,598428701	8,98E-10	7,41E-09	DEDD2	death effector domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24450]
0,598276563	3,32E-16	4,36E-15	ZFYVE1	zinc finger FYVE-type containing 1 [Source:HGNC Symbol;Acc:HGNC:13180]
0,598038095	1,02E-06	6,18E-06	TDRP	testis development related protein [Source:HGNC Symbol;Acc:HGNC:26951]
0,598027779	5,14E-13	5,62E-12	ATOX1	antioxidant 1 copper chaperone [Source:HGNC Symbol;Acc:HGNC:798]
0,597409513	2,68E-28	6,12E-27	TXN	thioredoxin [Source:HGNC Symbol;Acc:HGNC:12435]
0,596480325	0,001175029	0,004374183	SETDB2	SET domain bifurcated 2 [Source:HGNC Symbol;Acc:HGNC:20263]
0,595373315	1,39E-08	1,03E-07	EFNB3	ephrin B3 [Source:HGNC Symbol;Acc:HGNC:3228]
0,594951933	3,80E-07	2,42E-06	PRTFDC1	phosphoribosyl transferase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23333]

0,594353163	7,56E-10	6,28E-09	TRPS1	transcriptional repressor GATA binding 1 [Source:HGNC Symbol;Acc:HGNC:12340]
0,593554311	2,59E-27	5,69E-26	ACSL3	acyl-CoA synthetase long chain family member 3 [Source:HGNC Symbol;Acc:HGNC:3570]
0,593496588	2,92E-06	1,67E-05	CNOT6L	CCR4-NOT transcription complex subunit 6 like [Source:HGNC Symbol;Acc:HGNC:18042]
0,593385097	1,50E-08	1,12E-07	TMEM260	transmembrane protein 260 [Source:HGNC Symbol;Acc:HGNC:20185]
0,592771038	1,07E-07	7,28E-07	BLVRB	biliverdin reductase B [Source:HGNC Symbol;Acc:HGNC:1063]
0,590921124	9,57E-07	5,84E-06	SOX8	SRY-box 8 [Source:HGNC Symbol;Acc:HGNC:11203]
0,590200266	3,15E-05	0,000156755	PCDHGB6	protocadherin gamma subfamily B, 6 [Source:HGNC Symbol;Acc:HGNC:8713]
0,590048748	0,000445319	0,001805653	LRRC32	leucine rich repeat containing 32 [Source:HGNC Symbol;Acc:HGNC:4161]
0,589668839	1,74E-09	1,40E-08	PCDHGB7	protocadherin gamma subfamily B, 7 [Source:HGNC Symbol;Acc:HGNC:8714]
0,589503002	0,000990815	0,003749564	CDHR1	cadherin related family member 1 [Source:HGNC Symbol;Acc:HGNC:14550]
0,589385634	0,000236001	0,001003909	GGT5	gamma-glutamyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:4260]
0,589162759	1,37E-06	8,19E-06	POU3F4	POU class 3 homeobox 4 [Source:HGNC Symbol;Acc:HGNC:9217]
0,589150929	0,00109505	0,004108766	MTHFD2L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2 like [Source:HGNC Symbol;Acc:HGNC:31865]
0,589085759	4,58E-25	9,20E-24	ATP6V0E2	ATPase H+ transporting V0 subunit e2 [Source:HGNC Symbol;Acc:HGNC:21723]
0,588725417	3,06E-10	2,64E-09	CBFA2T2	CBFA2/RUNX1 translocation partner 2 [Source:HGNC Symbol;Acc:HGNC:1536]
0,588407168	4,01E-06	2,25E-05	FGF12	fibroblast growth factor 12 [Source:HGNC Symbol;Acc:HGNC:3668]
0,586683472	1,05E-14	1,27E-13	CRELD1	cysteine rich with EGF like domains 1 [Source:HGNC Symbol;Acc:HGNC:14630]
0,586499254	2,64E-20	4,32E-19	TP53I3	tumor protein p53 inducible protein 3 [Source:HGNC Symbol;Acc:HGNC:19373]
0,586265408	7,70E-44	2,90E-42	SOX2	SRY-box 2 [Source:HGNC Symbol;Acc:HGNC:11195]
0,585204284	0,000165095	0,000724754	GNG7	G protein subunit gamma 7 [Source:HGNC Symbol;Acc:HGNC:4410]
0,584888834	0,015626885	0,043766105	SH3BP1	SH3 domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10824]
0,584496129	1,12E-16	1,51E-15	ITGA6	integrin subunit alpha 6 [Source:HGNC Symbol;Acc:HGNC:6142]
0,584106911	0,009104841	0,027392688	KLHL14	kelch like family member 14 [Source:HGNC Symbol;Acc:HGNC:29266]
0,583931786	0,005695028	0,018117659	MPP4	membrane palmitoylated protein 4 [Source:HGNC Symbol;Acc:HGNC:13680]
0,58336502	2,37E-12	2,45E-11	SPATS2	spermatogenesis associated serine rich 2 [Source:HGNC Symbol;Acc:HGNC:18650]
0,583264606	2,84E-05	0,000141819	SLC16A4	solute carrier family 16 member 4 [Source:HGNC Symbol;Acc:HGNC:10925]
0,582658408	3,92E-41	1,36E-39	VAT1	vesicle amine transport 1 [Source:HGNC Symbol;Acc:HGNC:16919]
0,581835147	2,91E-16	3,84E-15	TOB1	transducer of ERBB2, 1 [Source:HGNC Symbol;Acc:HGNC:11979]
0,581764456	0,000193874	0,000840554	PHACTR1	phosphatase and actin regulator 1 [Source:HGNC Symbol;Acc:HGNC:20990]
0,581492274	1,16E-08	8,66E-08	DAB1	DAB1, reelin adaptor protein [Source:HGNC Symbol;Acc:HGNC:2661]
0,58139668	0,00562572	0,017932445	RAC2	Rac family small GTPase 2 [Source:HGNC Symbol;Acc:HGNC:9802]

0,581305988	2,90E-06	1,66E-05	FGF13	fibroblast growth factor 13 [Source:HGNC Symbol;Acc:HGNC:3670]
0,580576968	5,41E-05	0,000259537	WNT9A	Wnt family member 9A [Source:HGNC Symbol;Acc:HGNC:12778]
0,580385732	0,006738603	0,021057864	IZUMO4	IZUMO family member 4 [Source:HGNC Symbol;Acc:HGNC:26950]
0,580010194	6,60E-14	7,59E-13	MAN1A1	mannosidase alpha class 1A member 1 [Source:HGNC Symbol;Acc:HGNC:6821]
0,579736929	1,16E-07	7,86E-07	MTMR11	myotubularin related protein 11 [Source:HGNC Symbol;Acc:HGNC:24307]
0,579556091	5,22E-12	5,20E-11	MARF1	meiosis regulator and mRNA stability factor 1 [Source:HGNC Symbol;Acc:HGNC:29562]
0,578302505	2,82E-20	4,61E-19	GPM6A	glycoprotein M6A [Source:HGNC Symbol;Acc:HGNC:4460]
0,577991863	0,003638084	0,012145304	ZBTB3	zinc finger and BTB domain containing 3 [Source:HGNC Symbol;Acc:HGNC:22918]
0,577780364	0,012838642	0,036910619	C11orf71	chromosome 11 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:25937]
0,5772181	0,002482244	0,008623422	ZNF44	zinc finger protein 44 [Source:HGNC Symbol;Acc:HGNC:13110]
0,576495296	4,12E-12	4,15E-11	ISLR2	immunoglobulin superfamily containing leucine rich repeat 2 [Source:HGNC Symbol;Acc:HGNC:29286]
0,576480552	3,90E-16	5,09E-15	MCC	MCC, WNT signaling pathway regulator [Source:HGNC Symbol;Acc:HGNC:6935]
0,576373474	3,36E-14	3,94E-13	CHD9	chromodomain helicase DNA binding protein 9 [Source:HGNC Symbol;Acc:HGNC:25701]
0,575647349	2,82E-39	9,29E-38	TXNRD1	thioredoxin reductase 1 [Source:HGNC Symbol;Acc:HGNC:12437]
0,575605296	3,46E-07	2,22E-06	MAP2K5	mitogen-activated protein kinase kinase 5 [Source:HGNC Symbol;Acc:HGNC:6845]
0,575349584	0,009206265	0,027647287	SLC10A7	solute carrier family 10 member 7 [Source:HGNC Symbol;Acc:HGNC:23088]
0,575141974	3,33E-11	3,11E-10	SEPT6	septin 6 [Source:HGNC Symbol;Acc:HGNC:15848]
0,574993627	0,006325621	0,019940709	CNTNAP3B	contactin associated protein like 3B [Source:HGNC Symbol;Acc:HGNC:32035]
0,574114265	2,42E-17	3,43E-16	SLC16A2	solute carrier family 16 member 2 [Source:HGNC Symbol;Acc:HGNC:10923]
0,57407494	0,002061498	0,007289618	CASTOR2	cytosolic arginine sensor for mTORC1 subunit 2 [Source:HGNC Symbol;Acc:HGNC:37073]
0,574009916	0,005280614	0,016946519	NEK8	NIMA related kinase 8 [Source:HGNC Symbol;Acc:HGNC:13387]
0,573354471	4,61E-05	0,000223327	PCCA	propionyl-CoA carboxylase subunit alpha [Source:HGNC Symbol;Acc:HGNC:8653]
0,571927202	0,012600379	0,036344078	DGKG	diacylglycerol kinase gamma [Source:HGNC Symbol;Acc:HGNC:2853]
0,571645601	2,64E-09	2,10E-08	EZH1	enhancer of zeste 1 polycomb repressive complex 2 subunit [Source:HGNC Symbol;Acc:HGNC:3526]
0,570749469	6,84E-10	5,71E-09	ACP6	acid phosphatase 6, lysophosphatidic [Source:HGNC Symbol;Acc:HGNC:29609]
0,570229561	3,23E-10	2,77E-09	JMY	junction mediating and regulatory protein, p53 cofactor [Source:HGNC Symbol;Acc:HGNC:28916]
0,570113357	2,60E-24	5,09E-23	RRM2B	ribonucleotide reductase regulatory TP53 inducible subunit M2B [Source:HGNC Symbol;Acc:HGNC:17296]
0,570024012	0,000602072	0,002382504	GPRASP1	G protein-coupled receptor associated sorting protein 1 [Source:HGNC Symbol;Acc:HGNC:24834]
0,569993623	4,90E-17	6,79E-16	NPC2	NPC intracellular cholesterol transporter 2 [Source:HGNC Symbol;Acc:HGNC:14537]
0,569495007	1,35E-23	2,53E-22	CYBRD1	cytochrome b reductase 1 [Source:HGNC Symbol;Acc:HGNC:20797]
0,569109337	8,07E-07	4,97E-06	DUSP23	dual specificity phosphatase 23 [Source:HGNC Symbol;Acc:HGNC:21480]

0,568851345	7,32E-09	5,58E-08	KCTD12	potassium channel tetramerization domain containing 12 [Source:HGNC Symbol;Acc:HGNC:14678]
0,568685517	1,01E-19	1,61E-18	TFDP2	transcription factor Dp-2 [Source:HGNC Symbol;Acc:HGNC:11751]
0,568473451	7,10E-09	5,42E-08	ASTN2	astrotactin 2 [Source:HGNC Symbol;Acc:HGNC:17021]
0,568431923	1,31E-17	1,88E-16	ADGRG1	adhesion G protein-coupled receptor G1 [Source:HGNC Symbol;Acc:HGNC:4512]
0,567210223	1,01E-11	9,84E-11	IGBP1	immunoglobulin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:5461]
0,566984144	2,77E-05	0,000138716	RNF180	ring finger protein 180 [Source:HGNC Symbol;Acc:HGNC:27752]
0,566968413	6,14E-05	0,00029189	SPTLC3	serine palmitoyltransferase long chain base subunit 3 [Source:HGNC Symbol;Acc:HGNC:16253]
0,566638906	1,82E-16	2,42E-15	ALAS1	5'-aminolevulinate synthase 1 [Source:HGNC Symbol;Acc:HGNC:396]
0,566606595	1,53E-18	2,30E-17	ADGRB2	adhesion G protein-coupled receptor B2 [Source:HGNC Symbol;Acc:HGNC:944]
0,566437053	4,00E-14	4,68E-13	PHF21A	PHD finger protein 21A [Source:HGNC Symbol;Acc:HGNC:24156]
0,566157759	4,31E-27	9,37E-26	MDM2	MDM2 proto-oncogene [Source:HGNC Symbol;Acc:HGNC:6973]
0,564983243	1,80E-13	2,02E-12	ASIC1	acid sensing ion channel subunit 1 [Source:HGNC Symbol;Acc:HGNC:100]
0,564684725	0,003430207	0,011518706	RNASET2	ribonuclease T2 [Source:HGNC Symbol;Acc:HGNC:21686]
0,564605161	5,37E-18	7,87E-17	IFI16	interferon gamma inducible protein 16 [Source:HGNC Symbol;Acc:HGNC:5395]
0,564029412	3,32E-05	0,000164312	SBK1	SH3 domain binding kinase 1 [Source:HGNC Symbol;Acc:HGNC:17699]
0,563388673	3,77E-29	8,96E-28	MT2A	metallothionein 2A [Source:HGNC Symbol;Acc:HGNC:7406]
0,562794872	0,004302643	0,014123325	PDIK1L	PDLIM1 interacting kinase 1 like [Source:HGNC Symbol;Acc:HGNC:18981]
0,562352227	0,001041998	0,003927936	YPEL2	yippee like 2 [Source:HGNC Symbol;Acc:HGNC:18326]
0,562024253	1,92E-18	2,87E-17	AMOTL1	angiomin like 1 [Source:HGNC Symbol;Acc:HGNC:17811]
0,561829772	2,27E-05	0,000114899	AJM1	apical junction component 1 homolog [Source:HGNC Symbol;Acc:HGNC:37284]
0,560819433	4,28E-33	1,18E-31	CCNG1	cyclin G1 [Source:HGNC Symbol;Acc:HGNC:1592]
0,560583634	4,70E-06	2,61E-05	WDR91	WD repeat domain 91 [Source:HGNC Symbol;Acc:HGNC:24997]
0,560406818	3,62E-07	2,31E-06	SLC50A1	solute carrier family 50 member 1 [Source:HGNC Symbol;Acc:HGNC:30657]
0,560063551	0,000141694	0,000629946	HSD17B7	hydroxysteroid 17-beta dehydrogenase 7 [Source:HGNC Symbol;Acc:HGNC:5215]
0,559860373	4,39E-31	1,12E-29	ZFP36L1	ZFP36 ring finger protein like 1 [Source:HGNC Symbol;Acc:HGNC:1107]
0,559540231	0,003229624	0,010913126	CRABP2	cellular retinoic acid binding protein 2 [Source:HGNC Symbol;Acc:HGNC:2339]
0,558925157	0,000986925	0,003735569	ZNRF2	zinc and ring finger 2 [Source:HGNC Symbol;Acc:HGNC:22316]
0,558613012	0,000337752	0,001396635	SP4	Sp4 transcription factor [Source:HGNC Symbol;Acc:HGNC:11209]
0,558199129	0,000106078	0,00048334	NMB	neuromedin B [Source:HGNC Symbol;Acc:HGNC:7842]
0,558029325	7,68E-07	4,73E-06	IRF2	interferon regulatory factor 2 [Source:HGNC Symbol;Acc:HGNC:6117]
0,557602688	2,60E-12	2,68E-11	XPC	XPC complex subunit, DNA damage recognition and repair factor [Source:HGNC Symbol;Acc:HGNC:12816]
0,556830752	0,002756986	0,009462693	WNK3	WNK lysine deficient protein kinase 3 [Source:HGNC Symbol;Acc:HGNC:14543]
0,556319022	0,008370415	0,025440295	APOL1	apolipoprotein L1 [Source:HGNC Symbol;Acc:HGNC:618]
0,55615746	2,08E-08	1,52E-07	MAP3K12	mitogen-activated protein kinase kinase kinase 12 [Source:HGNC Symbol;Acc:HGNC:6851]

0,555609697	1,59E-12	1,67E-11	HIST2H2BE	histone cluster 2 H2B family member e [Source:HGNC Symbol;Acc:HGNC:4760]
0,55550406	2,28E-13	2,54E-12	KSR1	kinase suppressor of ras 1 [Source:HGNC Symbol;Acc:HGNC:6465]
0,555157597	2,10E-09	1,68E-08	CERS4	ceramide synthase 4 [Source:HGNC Symbol;Acc:HGNC:23747]
0,554692746	2,60E-11	2,45E-10	CYB5D2	cytochrome b5 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28471]
0,554105942	4,45E-10	3,77E-09	NOVA2	NOVA alternative splicing regulator 2 [Source:HGNC Symbol;Acc:HGNC:7887]
0,553957056	7,06E-16	9,08E-15	PARD3	par-3 family cell polarity regulator [Source:HGNC Symbol;Acc:HGNC:16051]
0,553706277	3,07E-12	3,15E-11	DDB2	damage specific DNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:2718]
0,553331343	1,34E-37	4,23E-36	FTH1	ferritin heavy chain 1 [Source:HGNC Symbol;Acc:HGNC:3976]
0,55317871	6,00E-20	9,66E-19	DUSP4	dual specificity phosphatase 4 [Source:HGNC Symbol;Acc:HGNC:3070]
0,552797175	2,51E-16	3,33E-15	RASSF8	Ras association domain family member 8 [Source:HGNC Symbol;Acc:HGNC:13232]
0,552421556	4,51E-11	4,15E-10	PRRX1	paired related homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9142]
0,551593437	0,003172596	0,010746621	PUS10	pseudouridylyl synthase 10 [Source:HGNC Symbol;Acc:HGNC:26505]
0,551358196	0,000301135	0,001256468	GRAMD1B	GRAM domain containing 1B [Source:HGNC Symbol;Acc:HGNC:29214]
0,551201276	0,000894319	0,003421082	QPRT	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]
0,548579188	0,000942741	0,003587223	APOBEC3F	apolipoprotein B mRNA editing enzyme catalytic subunit 3F [Source:HGNC Symbol;Acc:HGNC:17356]
0,548417453	1,99E-13	2,23E-12	CCNG2	cyclin G2 [Source:HGNC Symbol;Acc:HGNC:1593]
0,547116489	3,37E-16	4,42E-15	NLRP1	NLR family pyrin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:14374]
0,547015181	8,02E-05	0,000373874	EGFL7	EGF like domain multiple 7 [Source:HGNC Symbol;Acc:HGNC:20594]
0,546497953	1,43E-26	3,05E-25	CPE	carboxypeptidase E [Source:HGNC Symbol;Acc:HGNC:2303]
0,545397098	1,54E-05	7,97E-05	DYNC2H1	dynein cytoplasmic 2 heavy chain 1 [Source:HGNC Symbol;Acc:HGNC:2962]
0,544605758	4,29E-08	3,04E-07	PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30483]
0,5443925	2,33E-17	3,30E-16	PRXL2A	peroxiredoxin like 2A [Source:HGNC Symbol;Acc:HGNC:28651]
0,544071301	1,39E-09	1,13E-08	TOX	thymocyte selection associated high mobility group box [Source:HGNC Symbol;Acc:HGNC:18988]
0,543906381	1,09E-21	1,89E-20	HIPK2	homeodomain interacting protein kinase 2 [Source:HGNC Symbol;Acc:HGNC:14402]
0,543577275	2,11E-06	1,23E-05	CIT	citron rho-interacting serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:1985]
0,543544323	1,33E-05	6,95E-05	CXADR	CXADR, Ig-like cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:2559]
0,543305902	2,33E-05	0,000117807	LRP1	LDL receptor related protein 1 [Source:HGNC Symbol;Acc:HGNC:6692]
0,542802686	4,87E-10	4,12E-09	KAT2B	lysine acetyltransferase 2B [Source:HGNC Symbol;Acc:HGNC:8638]
0,542594169	2,84E-11	2,67E-10	ECH1	enoyl-CoA hydratase 1 [Source:HGNC Symbol;Acc:HGNC:3149]
0,541383487	3,10E-06	1,77E-05	ARL4A	ADP ribosylation factor like GTPase 4A [Source:HGNC Symbol;Acc:HGNC:695]
0,541342545	8,96E-10	7,39E-09	HES1	hes family bHLH transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:5192]

0,54095389	2,47E-12	2,55E-11	RNF220	ring finger protein 220 [Source:HGNC Symbol;Acc:HGNC:25552]
0,540949806	6,93E-07	4,29E-06	SLC26A11	solute carrier family 26 member 11 [Source:HGNC Symbol;Acc:HGNC:14471]
0,540886788	0,000698958	0,002737432	PIM2	Pim-2 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:8987]
0,540838524	1,07E-07	7,24E-07	CIR1	corepressor interacting with RBP1, 1 [Source:HGNC Symbol;Acc:HGNC:24217]
0,540604914	0,000278917	0,001170811	ATXN7L2	ataxin 7 like 2 [Source:HGNC Symbol;Acc:HGNC:28713]
0,540311288	3,06E-30	7,57E-29	TNPO1	transportin 1 [Source:HGNC Symbol;Acc:HGNC:6401]
0,539456486	7,87E-13	8,48E-12	MRPS30	mitochondrial ribosomal protein S30 [Source:HGNC Symbol;Acc:HGNC:8769]
0,539391962	0,003420641	0,01149056	THAP8	THAP domain containing 8 [Source:HGNC Symbol;Acc:HGNC:23191]
0,539373729	5,80E-05	0,000277181	EPHB1	EPH receptor B1 [Source:HGNC Symbol;Acc:HGNC:3392]
0,539276049	1,88E-06	1,11E-05	USP54	ubiquitin specific peptidase 54 [Source:HGNC Symbol;Acc:HGNC:23513]
0,539217016	6,06E-14	7,00E-13	PCYT2	phosphate cytidylyltransferase 2, ethanolamine [Source:HGNC Symbol;Acc:HGNC:8756]
0,53888369	5,72E-13	6,23E-12	CD109	CD109 molecule [Source:HGNC Symbol;Acc:HGNC:21685]
0,538710909	0,000241482	0,001025202	GHDC	GH3 domain containing [Source:HGNC Symbol;Acc:HGNC:24438]
0,537633954	2,93E-08	2,11E-07	PLXNA4	plexin A4 [Source:HGNC Symbol;Acc:HGNC:9102]
0,537149304	0,000858324	0,003298343	LRRC37B	leucine rich repeat containing 37B [Source:HGNC Symbol;Acc:HGNC:29070]
0,537040638	2,90E-16	3,82E-15	DBI	diazepam binding inhibitor, acyl-CoA binding protein [Source:HGNC Symbol;Acc:HGNC:2690]
0,536994165	5,87E-05	0,000279974	RPP25L	ribonuclease P/MRP subunit p25 like [Source:HGNC Symbol;Acc:HGNC:19909]
0,536866468	0,001804588	0,006450514	MGST2	microsomal glutathione S-transferase 2 [Source:HGNC Symbol;Acc:HGNC:7063]
0,536736069	3,64E-05	0,000179007	KMT5C	lysine methyltransferase 5C [Source:HGNC Symbol;Acc:HGNC:28405]
0,536707158	1,01E-05	5,36E-05	BCL7A	BCL tumor suppressor 7A [Source:HGNC Symbol;Acc:HGNC:1004]
0,536522924	5,43E-10	4,57E-09	LRBA	LPS responsive beige-like anchor protein [Source:HGNC Symbol;Acc:HGNC:1742]
0,53579842	0,0010113	0,003818149	RLBP1	retinaldehyde binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10024]
0,535762683	1,09E-24	2,15E-23	TBC1D16	TBC1 domain family member 16 [Source:HGNC Symbol;Acc:HGNC:28356]
0,535192371	3,66E-16	4,77E-15	SEC14L2	SEC14 like lipid binding 2 [Source:HGNC Symbol;Acc:HGNC:10699]
0,534975631	5,72E-08	4,00E-07	MTURN	maturin, neural progenitor differentiation regulator homolog [Source:HGNC Symbol;Acc:HGNC:25457]
0,53484363	2,62E-14	3,09E-13	CAT	catalase [Source:HGNC Symbol;Acc:HGNC:1516]
0,534745133	0,007769156	0,023825576	AVIL	advillin [Source:HGNC Symbol;Acc:HGNC:14188]
0,534595622	7,34E-11	6,63E-10	CPNE2	copine 2 [Source:HGNC Symbol;Acc:HGNC:2315]
0,53450438	0,003042511	0,010354782	PHYHIP	phytanoyl-CoA 2-hydroxylase interacting protein [Source:HGNC Symbol;Acc:HGNC:16865]
0,53429957	1,03E-11	9,97E-11	VPS11	VPS11, CORVET/HOPS core subunit [Source:HGNC Symbol;Acc:HGNC:14583]
0,534282457	4,33E-06	2,42E-05	ZBTB12	zinc finger and BTB domain containing 12 [Source:HGNC Symbol;Acc:HGNC:19066]
0,533793132	2,42E-22	4,30E-21	CLIP3	CAP-Gly domain containing linker protein 3 [Source:HGNC Symbol;Acc:HGNC:24314]
0,533441297	0,003455371	0,011587166	SNCA	synuclein alpha [Source:HGNC Symbol;Acc:HGNC:11138]
0,532863081	2,05E-11	1,95E-10	WDR81	WD repeat domain 81 [Source:HGNC Symbol;Acc:HGNC:26600]
0,532116944	2,70E-05	0,000135576	ROM1	retinal outer segment membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:10254]

0,531698575	4,87E-09	3,78E-08	KIAA1549L	KIAA1549 like [Source:HGNC Symbol;Acc:HGNC:24836]
0,531690725	7,24E-05	0,000339455	NUDT14	nudix hydrolase 14 [Source:HGNC Symbol;Acc:HGNC:20141]
0,531612921	4,52E-09	3,52E-08	SLCO3A1	solute carrier organic anion transporter family member 3A1 [Source:HGNC Symbol;Acc:HGNC:10952]
0,531251375	7,07E-09	5,41E-08	MBP	myelin basic protein [Source:HGNC Symbol;Acc:HGNC:6925]
0,531070938	0,0087352	0,026400138	AC073111,5	novel zinc finger protein
0,530949189	1,15E-15	1,46E-14	CES2	carboxylesterase 2 [Source:HGNC Symbol;Acc:HGNC:1864]
0,530033844	2,81E-09	2,23E-08	DNAJC4	DnaJ heat shock protein family (Hsp40) member C4 [Source:HGNC Symbol;Acc:HGNC:5271]
0,529955003	5,45E-11	4,97E-10	SLC44A1	solute carrier family 44 member 1 [Source:HGNC Symbol;Acc:HGNC:18798]
0,529667846	5,14E-20	8,29E-19	NRP1	neuropilin 1 [Source:HGNC Symbol;Acc:HGNC:8004]
0,529322454	0,000106844	0,000486489	POC1B	POC1 centriolar protein B [Source:HGNC Symbol;Acc:HGNC:30836]
0,528667151	1,47E-05	7,63E-05	MARK1	microtubule affinity regulating kinase 1 [Source:HGNC Symbol;Acc:HGNC:6896]
0,527847924	2,04E-34	5,84E-33	FADS2	fatty acid desaturase 2 [Source:HGNC Symbol;Acc:HGNC:3575]
0,527577446	0,000197527	0,000854102	POLM	DNA polymerase mu [Source:HGNC Symbol;Acc:HGNC:9185]
0,527552473	1,47E-09	1,19E-08	HOMER2	homer scaffold protein 2 [Source:HGNC Symbol;Acc:HGNC:17513]
0,527476272	2,06E-06	1,20E-05	PFDN4	prefoldin subunit 4 [Source:HGNC Symbol;Acc:HGNC:8868]
0,527228296	0,004557215	0,014870911	RNF157	ring finger protein 157 [Source:HGNC Symbol;Acc:HGNC:29402]
0,527080056	0,013884863	0,039531933	CHRM3	cholinergic receptor muscarinic 3 [Source:HGNC Symbol;Acc:HGNC:1952]
0,526713681	1,56E-11	1,50E-10	NFATC4	nuclear factor of activated T cells 4 [Source:HGNC Symbol;Acc:HGNC:7778]
0,526701003	0,005919184	0,018790722	UBB	ubiquitin B [Source:HGNC Symbol;Acc:HGNC:12463]
0,526394546	4,36E-25	8,77E-24	S100A6	S100 calcium binding protein A6 [Source:HGNC Symbol;Acc:HGNC:10496]
0,5263645	4,08E-08	2,90E-07	ATG14	autophagy related 14 [Source:HGNC Symbol;Acc:HGNC:19962]
0,526124676	2,49E-13	2,77E-12	TMX4	thioredoxin related transmembrane protein 4 [Source:HGNC Symbol;Acc:HGNC:25237]
0,525954166	0,0029199	0,009983012	CDC42BPG	CDC42 binding protein kinase gamma [Source:HGNC Symbol;Acc:HGNC:29829]
0,525925948	2,68E-08	1,93E-07	SLC2A3	solute carrier family 2 member 3 [Source:HGNC Symbol;Acc:HGNC:11007]
0,525662038	2,85E-13	3,16E-12	THSD4	thrombospondin type 1 domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25835]
0,524698508	3,22E-08	2,31E-07	MVK	mevalonate kinase [Source:HGNC Symbol;Acc:HGNC:7530]
0,524656464	1,00E-05	5,33E-05	FAM76B	family with sequence similarity 76 member B [Source:HGNC Symbol;Acc:HGNC:28492]
0,524159697	3,01E-09	2,38E-08	KMT2C	lysine methyltransferase 2C [Source:HGNC Symbol;Acc:HGNC:13726]
0,523869941	0,003134389	0,010637628	SCN2B	sodium voltage-gated channel beta subunit 2 [Source:HGNC Symbol;Acc:HGNC:10589]
0,523808955	3,24E-09	2,55E-08	SNX29	sorting nexin 29 [Source:HGNC Symbol;Acc:HGNC:30542]
0,523425821	0,00025325	0,001071881	MRNIP	MRN complex interacting protein [Source:HGNC Symbol;Acc:HGNC:30817]
0,523218045	5,06E-23	9,26E-22	CLIP2	CAP-Gly domain containing linker protein 2 [Source:HGNC Symbol;Acc:HGNC:2586]
0,523007885	0,000161728	0,000711221	LRRC75B	leucine rich repeat containing 75B [Source:HGNC Symbol;Acc:HGNC:33155]

0,522899823	3,02E-10	2,60E-09	<i>OPHN1</i>	oligophrenin 1 [Source:HGNC Symbol;Acc:HGNC:8148]
0,522792314	7,76E-34	2,18E-32	<i>CDKN1A</i>	cyclin dependent kinase inhibitor 1A [Source:HGNC Symbol;Acc:HGNC:1784]
0,522745388	8,88E-06	4,77E-05	<i>BICRAL</i>	BRD4 interacting chromatin remodeling complex associated protein like [Source:HGNC Symbol;Acc:HGNC:21111]
0,522672679	7,64E-12	7,49E-11	<i>MBOAT2</i>	membrane bound O-acyltransferase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25193]
0,521714413	2,84E-10	2,45E-09	<i>MAGI1</i>	membrane associated guanylate kinase, WW and PDZ domain containing 1 [Source:HGNC Symbol;Acc:HGNC:946]
0,521551688	2,88E-13	3,19E-12	<i>C8orf82</i>	chromosome 8 open reading frame 82 [Source:HGNC Symbol;Acc:HGNC:33826]
0,520562828	1,60E-07	1,07E-06	<i>FIG4</i>	FIG4 phosphoinositide 5-phosphatase [Source:HGNC Symbol;Acc:HGNC:16873]
0,519435527	4,47E-10	3,79E-09	<i>IFT140</i>	intraflagellar transport 140 [Source:HGNC Symbol;Acc:HGNC:29077]
0,51939763	0,003968662	0,013115778	<i>ATXN7L1</i>	ataxin 7 like 1 [Source:HGNC Symbol;Acc:HGNC:22210]
0,519096053	2,56E-06	1,47E-05	<i>S100A13</i>	S100 calcium binding protein A13 [Source:HGNC Symbol;Acc:HGNC:10490]
0,518853594	7,20E-20	1,15E-18	<i>SUB1</i>	SUB1 homolog, transcriptional regulator [Source:HGNC Symbol;Acc:HGNC:19985]
0,518759545	4,57E-07	2,89E-06	<i>ZNF581</i>	zinc finger protein 581 [Source:HGNC Symbol;Acc:HGNC:25017]
0,518718513	0,013139951	0,037676402	<i>TMEM256</i>	transmembrane protein 256 [Source:HGNC Symbol;Acc:HGNC:28618]
0,518571729	0,001993071	0,007065682	<i>SLC25A45</i>	solute carrier family 25 member 45 [Source:HGNC Symbol;Acc:HGNC:27442]
0,518370618	6,96E-21	1,17E-19	<i>GLUD1</i>	glutamate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:4335]
0,517981337	0,000255837	0,001080945	<i>VPS37D</i>	VPS37D, ESCRT-I subunit [Source:HGNC Symbol;Acc:HGNC:18287]
0,517540703	0,000941167	0,00358334	<i>PTK2B</i>	protein tyrosine kinase 2 beta [Source:HGNC Symbol;Acc:HGNC:9612]
0,517404658	1,79E-31	4,63E-30	<i>DPYSL3</i>	dihydropyrimidinase like 3 [Source:HGNC Symbol;Acc:HGNC:3015]
0,517282676	1,12E-11	1,09E-10	<i>SALL2</i>	spalt like transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:10526]
0,516744119	3,93E-05	0,000192523	<i>NMRK1</i>	nicotinamide riboside kinase 1 [Source:HGNC Symbol;Acc:HGNC:26057]
0,516595746	0,009857262	0,029329965	<i>KAZALD1</i>	Kazal type serine peptidase inhibitor domain 1 [Source:HGNC Symbol;Acc:HGNC:25460]
0,516573844	3,26E-05	0,000161658	<i>ANKS1B</i>	ankyrin repeat and sterile alpha motif domain containing 1B [Source:HGNC Symbol;Acc:HGNC:24600]
0,516327122	0,012688449	0,036554638	<i>TMEM79</i>	transmembrane protein 79 [Source:HGNC Symbol;Acc:HGNC:28196]
0,515568399	3,99E-07	2,54E-06	<i>TRAF3IP2</i>	TRAF3 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:1343]
0,515388228	0,002753416	0,009457132	<i>GYG2</i>	glycogenin 2 [Source:HGNC Symbol;Acc:HGNC:4700]
0,515328243	7,59E-10	6,30E-09	<i>PDGFD</i>	platelet derived growth factor D [Source:HGNC Symbol;Acc:HGNC:30620]
0,514767714	0,00094187	0,00358461	<i>SRXN1</i>	sulfiredoxin 1 [Source:HGNC Symbol;Acc:HGNC:16132]
0,514705614	2,42E-31	6,26E-30	<i>SREBF2</i>	sterol regulatory element binding transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:11290]
0,514486174	0,014141348	0,040150255	<i>SULT1C4</i>	sulfotransferase family 1C member 4 [Source:HGNC Symbol;Acc:HGNC:11457]
0,513587445	0,002569044	0,008880454	<i>LRRC1</i>	leucine rich repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:14307]
0,5133308	5,33E-11	4,88E-10	<i>MRPL10</i>	mitochondrial ribosomal protein L10 [Source:HGNC Symbol;Acc:HGNC:14055]
0,51316999	2,93E-12	3,01E-11	<i>UBTD1</i>	ubiquitin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25683]

0,513160345	4,32E-12	4,34E-11	DCAF11	DDB1 and CUL4 associated factor 11 [Source:HGNC Symbol;Acc:HGNC:20258]
0,512611734	1,72E-11	1,64E-10	GATAD2B	GATA zinc finger domain containing 2B [Source:HGNC Symbol;Acc:HGNC:30778]
0,51211545	0,000176543	0,000771098	LCA5	LCA5, lebercilin [Source:HGNC Symbol;Acc:HGNC:31923]
0,511930375	2,12E-20	3,48E-19	REEP5	receptor accessory protein 5 [Source:HGNC Symbol;Acc:HGNC:30077]
0,511892812	1,88E-17	2,68E-16	FRMD5	FERM domain containing 5 [Source:HGNC Symbol;Acc:HGNC:28214]
0,511670609	1,00E-11	9,74E-11	CDIP1	cell death inducing p53 target 1 [Source:HGNC Symbol;Acc:HGNC:13234]
0,511391644	0,003707637	0,012352002	C6orf136	chromosome 6 open reading frame 136 [Source:HGNC Symbol;Acc:HGNC:21301]
0,511265034	0,002945622	0,01006032	MAST1	microtubule associated serine/threonine kinase 1 [Source:HGNC Symbol;Acc:HGNC:19034]
0,511107121	0,00044667	0,001810082	SPACA9	sperm acrosome associated 9 [Source:HGNC Symbol;Acc:HGNC:1367]
0,510257028	0,00164912	0,005948481	ZNF79	zinc finger protein 79 [Source:HGNC Symbol;Acc:HGNC:13153]
0,509691688	0,007935727	0,024259722	TBC1D3L	TBC1 domain family member 3L [Source:HGNC Symbol;Acc:HGNC:51246]
0,509547458	4,21E-05	0,000205629	ZNF385A	zinc finger protein 385A [Source:HGNC Symbol;Acc:HGNC:17521]
0,509450369	8,07E-06	4,36E-05	MBTD1	mbt domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19866]
0,509235712	4,85E-08	3,42E-07	PDK2	pyruvate dehydrogenase kinase 2 [Source:HGNC Symbol;Acc:HGNC:8810]
0,509028734	0,000276025	0,001159425	ETNK2	ethanolamine kinase 2 [Source:HGNC Symbol;Acc:HGNC:25575]
0,508994354	7,55E-06	4,09E-05	CADM3	cell adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:17601]
0,50858861	0,000691009	0,002709036	PLPP6	phospholipid phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:23682]
0,508549144	2,89E-07	1,87E-06	OLFML3	olfactomedin like 3 [Source:HGNC Symbol;Acc:HGNC:24956]
0,508133402	9,45E-14	1,08E-12	CHD2	chromodomain helicase DNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:1917]
0,507254886	0,002906569	0,009939185	DDIT3	DNA damage inducible transcript 3 [Source:HGNC Symbol;Acc:HGNC:2726]
0,506805671	1,17E-12	1,24E-11	MAP1A	microtubule associated protein 1A [Source:HGNC Symbol;Acc:HGNC:6835]
0,506752277	5,55E-05	0,000265854	PBLD	phenazine biosynthesis like protein domain containing [Source:HGNC Symbol;Acc:HGNC:23301]
0,506458799	3,47E-15	4,30E-14	CHP1	calcineurin like EF-hand protein 1 [Source:HGNC Symbol;Acc:HGNC:17433]
0,506410166	3,35E-05	0,000165432	ADAMTS13	ADAM metalloproteinase with thrombospondin type 1 motif 13 [Source:HGNC Symbol;Acc:HGNC:1366]
0,505885988	1,60E-13	1,80E-12	COX5B	cytochrome c oxidase subunit 5B [Source:HGNC Symbol;Acc:HGNC:2269]
0,505414735	3,57E-05	0,000175722	R3HDM2	R3H domain containing 2 [Source:HGNC Symbol;Acc:HGNC:29167]
0,50539566	0,006965799	0,021638913	ZNF14	zinc finger protein 14 [Source:HGNC Symbol;Acc:HGNC:12924]
0,505300159	2,30E-09	1,83E-08	ZNF770	zinc finger protein 770 [Source:HGNC Symbol;Acc:HGNC:26061]
0,504648273	7,12E-07	4,40E-06	ATP7A	ATPase copper transporting alpha [Source:HGNC Symbol;Acc:HGNC:869]
0,503806766	4,15E-31	1,06E-29	LSS	lanosterol synthase [Source:HGNC Symbol;Acc:HGNC:6708]
0,502463881	4,40E-15	5,42E-14	BBX	BBX, HMG-box containing [Source:HGNC Symbol;Acc:HGNC:14422]

0,502115793	9,13E-06	4,89E-05	SPIN3	spindlin family member 3 [Source:HGNC Symbol;Acc:HGNC:27272]
0,501652501	2,18E-06	1,27E-05	RICTOR	RPTOR independent companion of MTOR complex 2 [Source:HGNC Symbol;Acc:HGNC:28611]
0,501523615	0,000219207	0,000938023	ZNF75D	zinc finger protein 75D [Source:HGNC Symbol;Acc:HGNC:13145]
0,500836591	0,000584642	0,002318259	ACBD4	acyl-CoA binding domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23337]
0,500682171	4,11E-30	1,01E-28	APLP2	amyloid beta precursor like protein 2 [Source:HGNC Symbol;Acc:HGNC:598]
0,500603869	9,65E-05	0,000443712	SIX5	SIX homeobox 5 [Source:HGNC Symbol;Acc:HGNC:10891]
0,500217906	0,001590179	0,005750842	ZNF280D	zinc finger protein 280D [Source:HGNC Symbol;Acc:HGNC:25953]
0,499115651	6,99E-20	1,12E-18	SOX12	SRY-box 12 [Source:HGNC Symbol;Acc:HGNC:11198]
0,497946842	0,001668359	0,006007825	MSX1	msh homeobox 1 [Source:HGNC Symbol;Acc:HGNC:7391]
0,497161355	2,09E-16	2,78E-15	APBA2	amyloid beta precursor protein binding family A member 2 [Source:HGNC Symbol;Acc:HGNC:579]
0,496594054	3,84E-19	5,98E-18	WDR26	WD repeat domain 26 [Source:HGNC Symbol;Acc:HGNC:21208]
0,496464535	0,000199387	0,000860994	IKBKE	inhibitor of nuclear factor kappa B kinase subunit epsilon [Source:HGNC Symbol;Acc:HGNC:14552]
0,495920116	0,000867607	0,003328742	NTRK2	neurotrophic receptor tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:8032]
0,495710305	5,99E-13	6,51E-12	TMEM132D	transmembrane protein 132D [Source:HGNC Symbol;Acc:HGNC:29411]
0,495701529	0,006248482	0,019716755	PLEKHA6	pleckstrin homology domain containing A6 [Source:HGNC Symbol;Acc:HGNC:17053]
0,495683347	8,11E-05	0,000376987	TRIM62	tripartite motif containing 62 [Source:HGNC Symbol;Acc:HGNC:25574]
0,495601087	5,05E-06	2,80E-05	IL11	interleukin 11 [Source:HGNC Symbol;Acc:HGNC:5966]
0,495311686	9,64E-05	0,00044345	AR	androgen receptor [Source:HGNC Symbol;Acc:HGNC:644]
0,495061533	8,72E-15	1,06E-13	RTL8A	retrotransposon Gag like 8A [Source:HGNC Symbol;Acc:HGNC:24514]
0,494862548	3,44E-17	4,81E-16	TCF4	transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:11634]
0,4947601	0,000194236	0,000841937	HAS3	hyaluronan synthase 3 [Source:HGNC Symbol;Acc:HGNC:4820]
0,49391448	0,004991331	0,016126827	HOXB6	homeobox B6 [Source:HGNC Symbol;Acc:HGNC:5117]
0,493883327	7,75E-15	9,41E-14	OXA1L	OXA1L, mitochondrial inner membrane protein [Source:HGNC Symbol;Acc:HGNC:8526]
0,492013837	8,28E-08	5,70E-07	ATE1	arginyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:782]
0,491736243	0,0149194	0,041984611	AKAP6	A-kinase anchoring protein 6 [Source:HGNC Symbol;Acc:HGNC:376]
0,491559806	2,04E-09	1,63E-08	PHF1	PHD finger protein 1 [Source:HGNC Symbol;Acc:HGNC:8919]
0,491146122	0,000397922	0,001629494	PCDHGA6	protocadherin gamma subfamily A, 6 [Source:HGNC Symbol;Acc:HGNC:8704]
0,490866319	0,00208716	0,007374986	GRIP1	glutamate receptor interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:18708]
0,490804997	2,15E-07	1,41E-06	IFT57	intraflagellar transport 57 [Source:HGNC Symbol;Acc:HGNC:17367]
0,49015663	1,56E-06	9,31E-06	GPRC5C	G protein-coupled receptor class C group 5 member C [Source:HGNC Symbol;Acc:HGNC:13309]
0,489806941	1,80E-05	9,25E-05	LYNX1	Ly6/neurotoxin 1 [Source:HGNC Symbol;Acc:HGNC:29604]
0,489802222	3,40E-13	3,75E-12	NDRG4	NDRG family member 4 [Source:HGNC Symbol;Acc:HGNC:14466]

0,48953642	6,78E-07	4,20E-06	TOX2	TOX high mobility group box family member 2 [Source:HGNC Symbol;Acc:HGNC:16095]
0,488785775	1,02E-08	7,70E-08	HMCES	5-hydroxymethylcytosine binding, ES cell specific [Source:HGNC Symbol;Acc:HGNC:24446]
0,488632435	1,60E-08	1,19E-07	ZNF740	zinc finger protein 740 [Source:HGNC Symbol;Acc:HGNC:27465]
0,488366001	0,006169673	0,019496607	SYT14	synaptotagmin 14 [Source:HGNC Symbol;Acc:HGNC:23143]
0,488304084	0,000103664	0,000473453	POLD4	DNA polymerase delta 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:14106]
0,488301184	5,59E-07	3,50E-06	FBXW7	F-box and WD repeat domain containing 7 [Source:HGNC Symbol;Acc:HGNC:16712]
0,488233344	5,78E-07	3,61E-06	LMBR1L	limb development membrane protein 1 like [Source:HGNC Symbol;Acc:HGNC:18268]
0,48794787	1,50E-12	1,58E-11	GSS	glutathione synthetase [Source:HGNC Symbol;Acc:HGNC:4624]
0,487831525	3,46E-12	3,51E-11	PDZD8	PDZ domain containing 8 [Source:HGNC Symbol;Acc:HGNC:26974]
0,487774759	2,59E-07	1,69E-06	NATD1	N-acetyltransferase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30770]
0,487749334	2,14E-10	1,87E-09	TSC22D3	TSC22 domain family member 3 [Source:HGNC Symbol;Acc:HGNC:3051]
0,487086734	0,000844184	0,003251732	CHIC1	cysteine rich hydrophobic domain 1 [Source:HGNC Symbol;Acc:HGNC:1934]
0,486690533	1,06E-11	1,02E-10	WDR45	WD repeat domain 45 [Source:HGNC Symbol;Acc:HGNC:28912]
0,486481286	0,001102241	0,004131754	FAM155A	family with sequence similarity 155 member A [Source:HGNC Symbol;Acc:HGNC:33877]
0,486307634	7,28E-27	1,57E-25	PTPRS	protein tyrosine phosphatase, receptor type 5 [Source:HGNC Symbol;Acc:HGNC:9681]
0,486187726	1,68E-06	9,93E-06	ALDOC	aldolase, fructose-bisphosphate C [Source:HGNC Symbol;Acc:HGNC:418]
0,48546538	1,10E-12	1,17E-11	RGL1	ral guanine nucleotide dissociation stimulator like 1 [Source:HGNC Symbol;Acc:HGNC:30281]
0,484990419	0,000833031	0,003213237	SMPDL3A	sphingomyelin phosphodiesterase acid like 3A [Source:HGNC Symbol;Acc:HGNC:17389]
0,484569409	6,38E-14	7,36E-13	PTPN12	protein tyrosine phosphatase, non-receptor type 12 [Source:HGNC Symbol;Acc:HGNC:9645]
0,484504124	0,000357711	0,001473518	SVIP	small VCP interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]
0,48438622	0,000142863	0,000634709	STARD9	StAR related lipid transfer domain containing 9 [Source:HGNC Symbol;Acc:HGNC:19162]
0,483890993	9,92E-12	9,65E-11	MAT2B	methionine adenosyltransferase 2B [Source:HGNC Symbol;Acc:HGNC:6905]
0,483820865	0,000185007	0,000804446	ACCS	1-aminocyclopropane-1-carboxylate synthase homolog (inactive) [Source:HGNC Symbol;Acc:HGNC:23989]
0,483661024	0,000127869	0,000574802	OLFML2B	olfactomedin like 2B [Source:HGNC Symbol;Acc:HGNC:24558]
0,483508716	4,54E-05	0,000220289	TCEAL1	transcription elongation factor A like 1 [Source:HGNC Symbol;Acc:HGNC:11616]
0,483358565	1,28E-15	1,62E-14	PLEKHG1	pleckstrin homology and RhoGEF domain containing G1 [Source:HGNC Symbol;Acc:HGNC:20884]
0,481889898	0,002814385	0,009646052	NRG2	neuregulin 2 [Source:HGNC Symbol;Acc:HGNC:7998]
0,481838596	0,00089317	0,003418291	POLR3GL	RNA polymerase III subunit G like [Source:HGNC Symbol;Acc:HGNC:28466]
0,481786961	4,73E-05	0,000228573	MMAB	methylnalonic aciduria (cobalamin deficiency) cblB type [Source:HGNC Symbol;Acc:HGNC:19331]
0,481738412	0,00127174	0,004704419	SHROOM4	shroom family member 4 [Source:HGNC Symbol;Acc:HGNC:29215]
0,481218886	5,43E-11	4,96E-10	TLK1	tousled like kinase 1 [Source:HGNC Symbol;Acc:HGNC:11841]

0,480886724	2,99E-09	2,36E-08	ACAT1	acetyl-CoA acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:93]
0,480633706	2,90E-28	6,60E-27	CRTAP	cartilage associated protein [Source:HGNC Symbol;Acc:HGNC:2379]
0,480574777	1,18E-20	1,95E-19	HLA-A	major histocompatibility complex, class I, A [Source:HGNC Symbol;Acc:HGNC:4931]
0,480484962	0,000663444	0,002609931	ERMP1	endoplasmic reticulum metalloproteinase 1 [Source:HGNC Symbol;Acc:HGNC:23703]
0,480401096	0,008665715	0,026239174	TSTD1	thiosulfate sulfurtransferase like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:35410]
0,479947442	2,39E-10	2,08E-09	SLU7	SLU7 homolog, splicing factor [Source:HGNC Symbol;Acc:HGNC:16939]
0,479721074	0,00092531	0,003529892	THNSL2	threonine synthase like 2 [Source:HGNC Symbol;Acc:HGNC:25602]
0,478490715	0,000233073	0,000992762	SNX25	sorting nexin 25 [Source:HGNC Symbol;Acc:HGNC:21883]
0,47828023	0,007908456	0,024191599	FUT10	fucosyltransferase 10 [Source:HGNC Symbol;Acc:HGNC:19234]
0,47797322	8,69E-05	0,000402598	ATXN3	ataxin 3 [Source:HGNC Symbol;Acc:HGNC:7106]
0,47740768	0,000705242	0,002758703	ATG16L2	autophagy related 16 like 2 [Source:HGNC Symbol;Acc:HGNC:25464]
0,477207892	6,35E-06	3,48E-05	ITPR3	inositol 1,4,5-trisphosphate receptor type 3 [Source:HGNC Symbol;Acc:HGNC:6182]
0,476953468	9,51E-10	7,83E-09	PLIN2	perilipin 2 [Source:HGNC Symbol;Acc:HGNC:248]
0,476748163	0,001049853	0,003953705	TCP11L2	t-complex 11 like 2 [Source:HGNC Symbol;Acc:HGNC:28627]
0,476191835	0,011787191	0,034304473	TBX2	T-box 2 [Source:HGNC Symbol;Acc:HGNC:11597]
0,476050931	1,11E-06	6,72E-06	RTKN	rhotekin [Source:HGNC Symbol;Acc:HGNC:10466]
0,475999988	1,92E-17	2,74E-16	DCTN4	dynactin subunit 4 [Source:HGNC Symbol;Acc:HGNC:15518]
0,475799134	9,21E-09	6,96E-08	CUL9	cullin 9 [Source:HGNC Symbol;Acc:HGNC:15982]
0,475746496	7,33E-08	5,07E-07	PLA2R1	phospholipase A2 receptor 1 [Source:HGNC Symbol;Acc:HGNC:9042]
0,474521152	7,75E-10	6,44E-09	TPBG	trophoblast glycoprotein [Source:HGNC Symbol;Acc:HGNC:12004]
0,474454191	0,009109241	0,027398317	VILL	villin like [Source:HGNC Symbol;Acc:HGNC:30906]
0,474044461	0,00085208	0,003278244	GLB1L	galactosidase beta 1 like [Source:HGNC Symbol;Acc:HGNC:28129]
0,473803155	1,34E-06	8,06E-06	NECAB3	N-terminal EF-hand calcium binding protein 3 [Source:HGNC Symbol;Acc:HGNC:15851]
0,473102337	0,000876994	0,003364092	ABRAXAS1	abraxas 1, BRCA1 A complex subunit [Source:HGNC Symbol;Acc:HGNC:25829]
0,47304257	1,11E-27	2,47E-26	MVP	major vault protein [Source:HGNC Symbol;Acc:HGNC:7531]
0,472490515	9,99E-10	8,20E-09	ZNF516	zinc finger protein 516 [Source:HGNC Symbol;Acc:HGNC:28990]
0,472254094	1,23E-05	6,46E-05	COL14A1	collagen type XIV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2191]
0,472121951	2,41E-07	1,57E-06	ENO2	enolase 2 [Source:HGNC Symbol;Acc:HGNC:3353]
0,471881013	2,65E-05	0,000132888	TNRC6C	trinucleotide repeat containing 6C [Source:HGNC Symbol;Acc:HGNC:29318]
0,471870308	4,25E-11	3,95E-10	SRGAP2	SLIT-ROBO Rho GTPase activating protein 2 [Source:HGNC Symbol;Acc:HGNC:19751]
0,471121585	1,65E-20	2,72E-19	LIMK1	LIM domain kinase 1 [Source:HGNC Symbol;Acc:HGNC:6613]
0,47065352	0,00114749	0,004287409	FAM69C	family with sequence similarity 69 member C [Source:HGNC Symbol;Acc:HGNC:31729]
0,470280476	4,71E-09	3,66E-08	MRPL45	mitochondrial ribosomal protein L45 [Source:HGNC Symbol;Acc:HGNC:16651]
0,470161471	0,000592188	0,002345784	N4BP2	NEDD4 binding protein 2 [Source:HGNC Symbol;Acc:HGNC:29851]

0,469039775	0,002282259	0,007991612	GABRB3	gamma-aminobutyric acid type A receptor beta3 subunit [Source:HGNC Symbol;Acc:HGNC:4083]
0,468993622	0,000274787	0,001154976	JAK2	Janus kinase 2 [Source:HGNC Symbol;Acc:HGNC:6192]
0,468992723	9,89E-07	6,03E-06	SUOX	sulfite oxidase [Source:HGNC Symbol;Acc:HGNC:11460]
0,468778671	1,10E-22	1,98E-21	S100A16	S100 calcium binding protein A16 [Source:HGNC Symbol;Acc:HGNC:20441]
0,468657702	2,55E-12	2,63E-11	FDPS	farnesyl diphosphate synthase [Source:HGNC Symbol;Acc:HGNC:3631]
0,468534247	5,89E-23	1,07E-21	SOX9	SRY-box 9 [Source:HGNC Symbol;Acc:HGNC:11204]
0,468341116	2,85E-11	2,68E-10	ZKSCAN8	zinc finger with KRAB and SCAN domains 8 [Source:HGNC Symbol;Acc:HGNC:12983]
0,468026816	4,73E-07	2,98E-06	ANK3	ankyrin 3 [Source:HGNC Symbol;Acc:HGNC:494]
0,467905906	9,55E-31	2,42E-29	PHLDA1	pleckstrin homology like domain family A member 1 [Source:HGNC Symbol;Acc:HGNC:8933]
0,467711155	0,003507208	0,011752873	RNASEL	ribonuclease L [Source:HGNC Symbol;Acc:HGNC:10050]
0,467554075	0,012820021	0,036868009	ZFP14	ZFP14 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:29312]
0,467047594	0,000160014	0,000704295	CLCN4	chloride voltage-gated channel 4 [Source:HGNC Symbol;Acc:HGNC:2022]
0,46702282	7,99E-24	1,52E-22	GPRC5B	G protein-coupled receptor class C group 5 member B [Source:HGNC Symbol;Acc:HGNC:13308]
0,466921704	2,70E-11	2,54E-10	SLC25A36	solute carrier family 25 member 36 [Source:HGNC Symbol;Acc:HGNC:25554]
0,46673195	4,84E-06	2,69E-05	TRIM16L	tripartite motif containing 16 like [Source:HGNC Symbol;Acc:HGNC:32670]
0,466441159	5,38E-09	4,15E-08	ABCD1	ATP binding cassette subfamily D member 1 [Source:HGNC Symbol;Acc:HGNC:61]
0,465694189	2,56E-10	2,22E-09	RUNX1	runt related transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:10471]
0,46503869	0,000327624	0,001358231	GSTM2	glutathione S-transferase mu 2 [Source:HGNC Symbol;Acc:HGNC:4634]
0,465003998	3,07E-08	2,20E-07	EPC2	enhancer of polycomb homolog 2 [Source:HGNC Symbol;Acc:HGNC:24543]
0,464875689	2,73E-24	5,34E-23	GPC1	glypican 1 [Source:HGNC Symbol;Acc:HGNC:4449]
0,46438043	0,005423912	0,01736332	ZKSCAN3	zinc finger with KRAB and SCAN domains 3 [Source:HGNC Symbol;Acc:HGNC:13853]
0,464313111	1,07E-08	8,02E-08	RPRD2	regulation of nuclear pre-mRNA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:29039]
0,463839019	3,51E-08	2,51E-07	KLC4	kinesin light chain 4 [Source:HGNC Symbol;Acc:HGNC:21624]
0,463772873	4,26E-05	0,000207657	MYL5	myosin light chain 5 [Source:HGNC Symbol;Acc:HGNC:7586]
0,463754981	0,007131413	0,022099428	SH2B2	SH2B adaptor protein 2 [Source:HGNC Symbol;Acc:HGNC:17381]
0,463553368	0,000475367	0,001917875	SPON2	spondin 2 [Source:HGNC Symbol;Acc:HGNC:11253]
0,463030399	2,60E-06	1,50E-05	APH1B	aph-1 homolog B, gamma-secretase subunit [Source:HGNC Symbol;Acc:HGNC:24080]
0,463008575	2,99E-25	6,07E-24	GALNT10	polypeptide N-acetylgalactosaminyltransferase 10 [Source:HGNC Symbol;Acc:HGNC:19873]
0,462601825	1,22E-07	8,23E-07	ING4	inhibitor of growth family member 4 [Source:HGNC Symbol;Acc:HGNC:19423]
0,462547561	4,13E-07	2,62E-06	STIM2	stromal interaction molecule 2 [Source:HGNC Symbol;Acc:HGNC:19205]
0,462354047	3,64E-10	3,11E-09	TBC1D17	TBC1 domain family member 17 [Source:HGNC Symbol;Acc:HGNC:25699]
0,462298418	4,50E-15	5,55E-14	ARX	aristaless related homeobox [Source:HGNC Symbol;Acc:HGNC:18060]
0,462257754	8,77E-16	1,12E-14	GNPDA1	glucosamine-6-phosphate deaminase 1 [Source:HGNC Symbol;Acc:HGNC:4417]
0,46225104	0,004863343	0,015750674	CCDC125	coiled-coil domain containing 125 [Source:HGNC Symbol;Acc:HGNC:28924]

0,461774662	9,22E-07	5,64E-06	ZBTB44	zinc finger and BTB domain containing 44 [Source:HGNC Symbol;Acc:HGNC:25001]
0,461720978	0,000755638	0,002938071	TRAPPC6A	trafficking protein particle complex 6A [Source:HGNC Symbol;Acc:HGNC:23069]
0,461151314	0,00457056	0,014909445	ZNF446	zinc finger protein 446 [Source:HGNC Symbol;Acc:HGNC:21036]
0,460638388	2,83E-09	2,24E-08	MGAT5B	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B [Source:HGNC Symbol;Acc:HGNC:24140]
0,460277626	0,011398843	0,033324186	CDKL5	cyclin dependent kinase like 5 [Source:HGNC Symbol;Acc:HGNC:11411]
0,459728324	1,11E-08	8,34E-08	NEPRO	nucleolus and neural progenitor protein [Source:HGNC Symbol;Acc:HGNC:24496]
0,45935638	3,73E-08	2,66E-07	ALDH6A1	aldehyde dehydrogenase 6 family member A1 [Source:HGNC Symbol;Acc:HGNC:7179]
0,459336419	0,000225228	0,000961242	ZNF277	zinc finger protein 277 [Source:HGNC Symbol;Acc:HGNC:13070]
0,458882372	0,00024535	0,001040484	GTF2E1	general transcription factor IIE subunit 1 [Source:HGNC Symbol;Acc:HGNC:4650]
0,458804607	3,14E-10	2,70E-09	BLOC1S2	biogenesis of lysosomal organelles complex 1 subunit 2 [Source:HGNC Symbol;Acc:HGNC:20984]
0,458485761	5,21E-13	5,70E-12	PGM2L1	phosphoglucomutase 2 like 1 [Source:HGNC Symbol;Acc:HGNC:20898]
0,4582502	9,21E-17	1,25E-15	PBX1	PBX homeobox 1 [Source:HGNC Symbol;Acc:HGNC:8632]
0,457997126	9,26E-06	4,95E-05	GPANK1	G-patch domain and ankyrin repeats 1 [Source:HGNC Symbol;Acc:HGNC:13920]
0,457943872	7,18E-12	7,04E-11	SYNRG	synergism gamma [Source:HGNC Symbol;Acc:HGNC:557]
0,457892673	3,63E-06	2,05E-05	FBXL17	F-box and leucine rich repeat protein 17 [Source:HGNC Symbol;Acc:HGNC:13615]
0,456802116	0,000385016	0,001579956	PHKA1	phosphorylase kinase regulatory subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:8925]
0,456503946	1,25E-05	6,56E-05	SEPT4	septin 4 [Source:HGNC Symbol;Acc:HGNC:9165]
0,456301432	0,009066758	0,027291686	LACC1	laccase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26789]
0,455921208	6,14E-24	1,18E-22	CCT7	chaperonin containing TCP1 subunit 7 [Source:HGNC Symbol;Acc:HGNC:1622]
0,455673735	1,53E-05	7,90E-05	GALNT16	polypeptide N-acetylgalactosaminyltransferase 16 [Source:HGNC Symbol;Acc:HGNC:23233]
0,455539882	5,12E-06	2,83E-05	ZC3H12C	zinc finger CCCH-type containing 12C [Source:HGNC Symbol;Acc:HGNC:29362]
0,455388114	0,002247732	0,007889218	PRPF40B	pre-mRNA processing factor 40 homolog B [Source:HGNC Symbol;Acc:HGNC:25031]
0,454905683	6,98E-19	1,07E-17	TNFRSF10D	TNF receptor superfamily member 10d [Source:HGNC Symbol;Acc:HGNC:11907]
0,454734878	4,79E-05	0,000231273	PHYKPL	5-phosphohydroxy-L-lysine phospho-lyase [Source:HGNC Symbol;Acc:HGNC:28249]
0,454574228	2,09E-09	1,67E-08	PLEKHM1	pleckstrin homology and RUN domain containing M1 [Source:HGNC Symbol;Acc:HGNC:29017]
0,454430213	1,28E-07	8,60E-07	MADD	MAP kinase activating death domain [Source:HGNC Symbol;Acc:HGNC:6766]
0,454097984	2,31E-07	1,51E-06	CNNM3	cyclin and CBS domain divalent metal cation transport mediator 3 [Source:HGNC Symbol;Acc:HGNC:104]
0,454068118	6,38E-15	7,75E-14	LAMA5	laminin subunit alpha 5 [Source:HGNC Symbol;Acc:HGNC:6485]
0,453898205	0,00869622	0,026311015	KCNJ6	potassium voltage-gated channel subfamily J member 6 [Source:HGNC Symbol;Acc:HGNC:6267]
0,453329204	0,002589835	0,008945564	KANSL1L	KAT8 regulatory NSL complex subunit 1 like [Source:HGNC Symbol;Acc:HGNC:26310]
0,451663127	0,002166152	0,007629102	SOX1	SRY-box 1 [Source:HGNC Symbol;Acc:HGNC:11189]
0,451136243	2,23E-11	2,12E-10	GSE1	Gse1 coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:28979]

0,450991629	1,30E-21	2,24E-20	LAMP2	lysosomal associated membrane protein 2 [Source:HGNC Symbol;Acc:HGNC:6501]
0,450948712	3,74E-05	0,000183962	THYN1	thymocyte nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:29560]
0,450905442	1,76E-06	1,04E-05	SNX21	sorting nexin family member 21 [Source:HGNC Symbol;Acc:HGNC:16154]
0,450846783	8,67E-06	4,66E-05	PPM1M	protein phosphatase, Mg2+/Mn2+ dependent 1M [Source:HGNC Symbol;Acc:HGNC:26506]
0,450814483	4,32E-17	6,00E-16	TMEM131	transmembrane protein 131 [Source:HGNC Symbol;Acc:HGNC:30366]
0,450547691	1,44E-22	2,58E-21	NOP53	NOP53 ribosome biogenesis factor [Source:HGNC Symbol;Acc:HGNC:4333]
0,450461252	1,42E-05	7,36E-05	MBD5	methyl-CpG binding domain protein 5 [Source:HGNC Symbol;Acc:HGNC:20444]
0,449719101	2,06E-09	1,64E-08	SH3PXD2A	SH3 and PX domains 2A [Source:HGNC Symbol;Acc:HGNC:23664]
0,449594637	0,012299362	0,035597527	CRADD	CASP2 and RIPK1 domain containing adaptor with death domain [Source:HGNC Symbol;Acc:HGNC:2340]
0,448783839	0,008216875	0,025020661	IPMK	inositol polyphosphate multikinase [Source:HGNC Symbol;Acc:HGNC:20739]
0,448544732	0,007618557	0,023405883	DNAH1	dynein axonemal heavy chain 1 [Source:HGNC Symbol;Acc:HGNC:2940]
0,448538996	0,000425011	0,001731632	BCAS3	BCAS3, microtubule associated cell migration factor [Source:HGNC Symbol;Acc:HGNC:14347]
0,44835951	0,000276757	0,001162249	PHLDB3	pleckstrin homology like domain family B member 3 [Source:HGNC Symbol;Acc:HGNC:30499]
0,448241319	4,34E-06	2,42E-05	NOA1	nitric oxide associated 1 [Source:HGNC Symbol;Acc:HGNC:28473]
0,448032441	6,43E-21	1,08E-19	SOX4	SRY-box 4 [Source:HGNC Symbol;Acc:HGNC:11200]
0,448025497	5,34E-16	6,91E-15	VGLL4	vestigial like family member 4 [Source:HGNC Symbol;Acc:HGNC:28966]
0,447985025	2,71E-07	1,76E-06	ZNF358	zinc finger protein 358 [Source:HGNC Symbol;Acc:HGNC:16838]
0,447663009	6,96E-07	4,31E-06	NNAT	neuronatin [Source:HGNC Symbol;Acc:HGNC:7860]
0,447632355	5,01E-09	3,88E-08	AKAP9	A-kinase anchoring protein 9 [Source:HGNC Symbol;Acc:HGNC:379]
0,447259451	0,005644795	0,017982964	ST8SIA1	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:10869]
0,446714383	1,14E-20	1,89E-19	CTDSP2	CTD small phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:17077]
0,446601182	8,98E-11	8,04E-10	CPT1C	carnitine palmitoyltransferase 1C [Source:HGNC Symbol;Acc:HGNC:18540]
0,446570362	1,73E-11	1,65E-10	ZNF217	zinc finger protein 217 [Source:HGNC Symbol;Acc:HGNC:13009]
0,446383094	1,27E-14	1,53E-13	B4GALT5	beta-1,4-galactosyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:928]
0,44582099	3,55E-07	2,27E-06	OSBPL6	oxysterol binding protein like 6 [Source:HGNC Symbol;Acc:HGNC:16388]
0,445403189	6,01E-07	3,75E-06	INSYN1	inhibitory synaptic factor 1 [Source:HGNC Symbol;Acc:HGNC:33753]
0,445273013	0,00267078	0,009202619	IKZF4	IKAROS family zinc finger 4 [Source:HGNC Symbol;Acc:HGNC:13179]
0,444729704	0,000656057	0,002584541	UVRAG	UV radiation resistance associated [Source:HGNC Symbol;Acc:HGNC:12640]
0,444523648	1,29E-12	1,36E-11	FCGRT	Fc fragment of IgG receptor and transporter [Source:HGNC Symbol;Acc:HGNC:3621]
0,444176043	1,17E-09	9,53E-09	ZMYND8	zinc finger MYND-type containing 8 [Source:HGNC Symbol;Acc:HGNC:9397]
0,443704362	2,61E-06	1,50E-05	GABPA	GA binding protein transcription factor subunit alpha [Source:HGNC Symbol;Acc:HGNC:4071]

0,443575535	8,73E-08	5,99E-07	SHC3	SHC adaptor protein 3 [Source:HGNC Symbol;Acc:HGNC:18181]
0,443158266	0,002106703	0,007438624	KCNJ10	potassium voltage-gated channel subfamily J member 10 [Source:HGNC Symbol;Acc:HGNC:6256]
0,442910912	0,008292196	0,025226266	TMEM255A	transmembrane protein 255A [Source:HGNC Symbol;Acc:HGNC:26086]
0,442223153	0,00048857	0,001965422	SPATA6	spermatogenesis associated 6 [Source:HGNC Symbol;Acc:HGNC:18309]
0,442207191	1,45E-05	7,54E-05	CHD7	chromodomain helicase DNA binding protein 7 [Source:HGNC Symbol;Acc:HGNC:20626]
0,441878807	0,003198175	0,010820045	ACYP2	acylphosphatase 2 [Source:HGNC Symbol;Acc:HGNC:180]
0,441865672	2,33E-08	1,70E-07	KHDRBS3	KH RNA binding domain containing, signal transduction associated 3 [Source:HGNC Symbol;Acc:HGNC:18117]
0,441827412	2,43E-05	0,000122717	TIAM2	T cell lymphoma invasion and metastasis 2 [Source:HGNC Symbol;Acc:HGNC:11806]
0,440906604	2,12E-05	0,000108025	ZNF528	zinc finger protein 528 [Source:HGNC Symbol;Acc:HGNC:29384]
0,440159732	1,98E-14	2,35E-13	HEXIM1	hexamethylene bisacetamide inducible 1 [Source:HGNC Symbol;Acc:HGNC:24953]
0,439815817	0,000287338	0,001202	LMTK3	lemur tyrosine kinase 3 [Source:HGNC Symbol;Acc:HGNC:19295]
0,439714686	6,91E-11	6,25E-10	RNF130	ring finger protein 130 [Source:HGNC Symbol;Acc:HGNC:18280]
0,438518631	0,006363408	0,020040293	TTC33	tetratricopeptide repeat domain 33 [Source:HGNC Symbol;Acc:HGNC:29959]
0,438480734	1,16E-19	1,84E-18	ZMAT3	zinc finger matrin-type 3 [Source:HGNC Symbol;Acc:HGNC:29983]
0,437602095	4,86E-26	1,02E-24	IGFBP2	insulin like growth factor binding protein 2 [Source:HGNC Symbol;Acc:HGNC:5471]
0,436745176	0,013991386	0,039794348	KIF16B	kinesin family member 16B [Source:HGNC Symbol;Acc:HGNC:15869]
0,436618398	4,06E-06	2,27E-05	TBKBP1	TBK1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:30140]
0,436588416	7,54E-16	9,68E-15	AEBP1	AE binding protein 1 [Source:HGNC Symbol;Acc:HGNC:303]
0,436439909	4,25E-09	3,31E-08	ALDH2	aldehyde dehydrogenase 2 family member [Source:HGNC Symbol;Acc:HGNC:404]
0,435914794	2,17E-10	1,89E-09	SGSM2	small G protein signaling modulator 2 [Source:HGNC Symbol;Acc:HGNC:29026]
0,435709131	0,000256417	0,001083158	CHST7	carbohydrate sulfotransferase 7 [Source:HGNC Symbol;Acc:HGNC:13817]
0,435622536	6,81E-06	3,71E-05	ZNF397	zinc finger protein 397 [Source:HGNC Symbol;Acc:HGNC:18818]
0,435263769	5,60E-08	3,93E-07	NME3	NME/NM23 nucleoside diphosphate kinase 3 [Source:HGNC Symbol;Acc:HGNC:7851]
0,434741436	0,000802664	0,00310598	DMXL2	Dmx like 2 [Source:HGNC Symbol;Acc:HGNC:2938]
0,434565685	1,50E-09	1,22E-08	KLF3	Kruppel like factor 3 [Source:HGNC Symbol;Acc:HGNC:16516]
0,434452069	4,05E-10	3,45E-09	NADSYN1	NAD synthetase 1 [Source:HGNC Symbol;Acc:HGNC:29832]
0,434037859	3,63E-08	2,59E-07	ATF7IP	activating transcription factor 7 interacting protein [Source:HGNC Symbol;Acc:HGNC:20092]
0,433143405	0,000511054	0,002046115	WDR19	WD repeat domain 19 [Source:HGNC Symbol;Acc:HGNC:18340]
0,432825432	1,14E-05	6,02E-05	AFTPH	aftiphilin [Source:HGNC Symbol;Acc:HGNC:25951]
0,432413582	0,001296701	0,004786718	CSPG5	chondroitin sulfate proteoglycan 5 [Source:HGNC Symbol;Acc:HGNC:2467]
0,431989445	6,68E-05	0,000315573	COA5	cytochrome c oxidase assembly factor 5 [Source:HGNC Symbol;Acc:HGNC:33848]
0,431358175	0,009612043	0,028679474	BTN3A2	butyrophilin subfamily 3 member A2 [Source:HGNC Symbol;Acc:HGNC:1139]

0,431309448	3,16E-07	2,03E-06	<i>CRTC1</i>	CREB regulated transcription coactivator 1 [Source:HGNC Symbol;Acc:HGNC:16062]
0,431150712	0,000101352	0,000463876	<i>GPRIN1</i>	G protein regulated inducer of neurite outgrowth 1 [Source:HGNC Symbol;Acc:HGNC:24835]
0,43102555	5,33E-15	6,53E-14	<i>USP11</i>	ubiquitin specific peptidase 11 [Source:HGNC Symbol;Acc:HGNC:12609]
0,431023148	4,33E-06	2,42E-05	<i>PIM3</i>	Pim-3 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:19310]
0,430835475	2,99E-10	2,58E-09	<i>NDUFB4</i>	NADH:ubiquinone oxidoreductase subunit B4 [Source:HGNC Symbol;Acc:HGNC:7699]
0,43059956	0,012727459	0,036645263	<i>CNTFR</i>	ciliary neurotrophic factor receptor [Source:HGNC Symbol;Acc:HGNC:2170]
0,430447844	8,82E-07	5,41E-06	<i>EIF1B</i>	eukaryotic translation initiation factor 1B [Source:HGNC Symbol;Acc:HGNC:30792]
0,430443682	1,24E-12	1,31E-11	<i>EHMT2</i>	euchromatic histone lysine methyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:14129]
0,430367479	4,79E-06	2,66E-05	<i>DMAP1</i>	DNA methyltransferase 1 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:18291]
0,430336009	0,003502529	0,01173922	<i>TRIM45</i>	tripartite motif containing 45 [Source:HGNC Symbol;Acc:HGNC:19018]
0,430223996	0,000960318	0,003644099	<i>MEIS1</i>	Meis homeobox 1 [Source:HGNC Symbol;Acc:HGNC:7000]
0,429996308	0,013689016	0,039054548	<i>ZNF610</i>	zinc finger protein 610 [Source:HGNC Symbol;Acc:HGNC:26687]
0,429828352	0,00023906	0,001016255	<i>CDH3</i>	cadherin 3 [Source:HGNC Symbol;Acc:HGNC:1762]
0,4296072	1,26E-13	1,43E-12	<i>ISCU</i>	iron-sulfur cluster assembly enzyme [Source:HGNC Symbol;Acc:HGNC:29882]
0,429407096	0,000494775	0,001987086	<i>TAF6L</i>	TATA-box binding protein associated factor 6 like [Source:HGNC Symbol;Acc:HGNC:17305]
0,428841456	0,001726815	0,006196482	<i>IFT74</i>	intraflagellar transport 74 [Source:HGNC Symbol;Acc:HGNC:21424]
0,428645019	0,000282575	0,001184632	<i>CAB39L</i>	calcium binding protein 39 like [Source:HGNC Symbol;Acc:HGNC:20290]
0,428592208	0,000261481	0,001102868	<i>FNIP2</i>	folliculin interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:29280]
0,428211323	0,001053292	0,00396358	<i>PELI1</i>	pellino E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:8827]
0,428108451	0,009984843	0,02967318	<i>SRGAP2B</i>	SLIT-ROBO Rho GTPase activating protein 2B [Source:HGNC Symbol;Acc:HGNC:35237]
0,428083061	4,71E-10	3,99E-09	<i>THRA</i>	thyroid hormone receptor alpha [Source:HGNC Symbol;Acc:HGNC:11796]
0,428004392	1,07E-06	6,47E-06	<i>AGBL5</i>	ATP/GTP binding protein like 5 [Source:HGNC Symbol;Acc:HGNC:26147]
0,427959899	2,68E-06	1,54E-05	<i>TAF1</i>	TATA-box binding protein associated factor 1 [Source:HGNC Symbol;Acc:HGNC:11535]
0,427939433	5,26E-10	4,43E-09	<i>KMT2E</i>	lysine methyltransferase 2E [Source:HGNC Symbol;Acc:HGNC:18541]
0,427547839	1,27E-07	8,56E-07	<i>ABCD4</i>	ATP binding cassette subfamily D member 4 [Source:HGNC Symbol;Acc:HGNC:68]
0,426775422	4,21E-12	4,24E-11	<i>MYO10</i>	myosin X [Source:HGNC Symbol;Acc:HGNC:7593]
0,426414367	2,55E-05	0,000128535	<i>CYSTM1</i>	cysteine rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]
0,4262621	1,06E-06	6,46E-06	<i>ZSCAN18</i>	zinc finger and SCAN domain containing 18 [Source:HGNC Symbol;Acc:HGNC:21037]
0,425375815	0,006623406	0,020741297	<i>MOB3C</i>	MOB kinase activator 3C [Source:HGNC Symbol;Acc:HGNC:29800]
0,425013932	5,82E-08	4,07E-07	<i>FOXJ3</i>	forkhead box J3 [Source:HGNC Symbol;Acc:HGNC:29178]
0,424922419	0,000473985	0,001913287	<i>BDH2</i>	3-hydroxybutyrate dehydrogenase 2 [Source:HGNC Symbol;Acc:HGNC:32389]
0,424914884	0,000589952	0,002337881	<i>GLI4</i>	GLI family zinc finger 4 [Source:HGNC Symbol;Acc:HGNC:4320]

0,42485447	3,02E-06	1,72E-05	HEXA	hexosaminidase subunit alpha [Source:HGNC Symbol;Acc:HGNC:4878]
0,424727714	3,18E-07	2,04E-06	FAM131B	family with sequence similarity 131 member B [Source:HGNC Symbol;Acc:HGNC:22202]
0,424632564	5,15E-06	2,85E-05	PPP1R21	protein phosphatase 1 regulatory subunit 21 [Source:HGNC Symbol;Acc:HGNC:30595]
0,424499929	1,13E-08	8,44E-08	SEMA4B	semaphorin 4B [Source:HGNC Symbol;Acc:HGNC:10730]
0,423550764	0,000786616	0,003050575	PLPP4	phospholipid phosphatase 4 [Source:HGNC Symbol;Acc:HGNC:23531]
0,423454874	0,004137953	0,013612667	B9D1	B9 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24123]
0,422996524	4,55E-18	6,71E-17	SREBF1	sterol regulatory element binding transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:11289]
0,422814075	1,90E-21	3,26E-20	AES	amino-terminal enhancer of split [Source:HGNC Symbol;Acc:HGNC:307]
0,422255836	1,61E-08	1,19E-07	CHMP1B	charged multivesicular body protein 1B [Source:HGNC Symbol;Acc:HGNC:24287]
0,422121643	0,000383687	0,001574836	TEF	TEF, PAR bZIP transcription factor [Source:HGNC Symbol;Acc:HGNC:11722]
0,422035343	5,35E-09	4,13E-08	USP6NL	USP6 N-terminal like [Source:HGNC Symbol;Acc:HGNC:16858]
0,421373999	0,007435028	0,022905883	MPPED2	metallophosphoesterase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:1180]
0,421305428	5,60E-11	5,10E-10	PIK3R3	phosphoinositide-3-kinase regulatory subunit 3 [Source:HGNC Symbol;Acc:HGNC:8981]
0,421247117	2,91E-05	0,00014514	SRGAP2C	SLIT-ROBO Rho GTPase activating protein 2C [Source:HGNC Symbol;Acc:HGNC:30584]
0,421201843	2,33E-11	2,21E-10	CLSTN3	calsyntenin 3 [Source:HGNC Symbol;Acc:HGNC:18371]
0,42076853	0,001330846	0,004900646	ZNF425	zinc finger protein 425 [Source:HGNC Symbol;Acc:HGNC:20690]
0,420721215	0,006948125	0,021610458	ZNF211	zinc finger protein 211 [Source:HGNC Symbol;Acc:HGNC:13003]
0,420390024	0,000513853	0,002056473	AMMECR1	Alport syndrome, mental retardation, midface hypoplasia and elliptocytosis chromosomal region gene 1 [Source:HGNC Symbol;Acc:HGNC:467]
0,420098537	1,15E-16	1,56E-15	FYN	FYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:4037]
0,419983658	4,41E-21	7,48E-20	ELOVL5	ELOVL fatty acid elongase 5 [Source:HGNC Symbol;Acc:HGNC:21308]
0,419891459	1,08E-07	7,30E-07	TOM1	target of myb1 membrane trafficking protein [Source:HGNC Symbol;Acc:HGNC:11982]
0,419497295	5,24E-11	4,80E-10	CPNE3	copine 3 [Source:HGNC Symbol;Acc:HGNC:2316]
0,419436248	7,26E-05	0,000340491	SMIM20	small integral membrane protein 20 [Source:HGNC Symbol;Acc:HGNC:37260]
0,419418403	1,93E-05	9,87E-05	TRPT1	tRNA phosphotransferase 1 [Source:HGNC Symbol;Acc:HGNC:20316]
0,419111278	6,16E-21	1,04E-19	SDCBP	syndecan binding protein [Source:HGNC Symbol;Acc:HGNC:10662]
0,419058472	1,01E-18	1,53E-17	ATP1A1	ATPase Na ⁺ /K ⁺ transporting subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:799]
0,418897175	0,014183696	0,040258709	DYRK3	dual specificity tyrosine phosphorylation regulated kinase 3 [Source:HGNC Symbol;Acc:HGNC:3094]
0,418330135	3,95E-08	2,81E-07	CCNDBP1	cyclin D1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:1587]
0,417988971	5,58E-07	3,49E-06	EDA2R	ectodysplasin A2 receptor [Source:HGNC Symbol;Acc:HGNC:17756]
0,417988237	1,05E-07	7,12E-07	GSTO1	glutathione S-transferase omega 1 [Source:HGNC Symbol;Acc:HGNC:13312]
0,417854271	0,00038666	0,001586367	ZMYM5	zinc finger MYM-type containing 5 [Source:HGNC Symbol;Acc:HGNC:13029]
0,417035469	0,000137089	0,000611574	CNNM2	cyclin and CBS domain divalent metal cation transport mediator 2 [Source:HGNC Symbol;Acc:HGNC:103]

0,416571087	0,010135183	0,03006012	MRM3	mitochondrial rRNA methyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:18485]
0,416549844	1,05E-05	5,56E-05	DCP2	decapping mRNA 2 [Source:HGNC Symbol;Acc:HGNC:24452]
0,416199385	0,001480075	0,005399949	MSRA	methionine sulfoxide reductase A [Source:HGNC Symbol;Acc:HGNC:7377]
0,416137239	0,00066521	0,00261582	LRP1B	LDL receptor related protein 1B [Source:HGNC Symbol;Acc:HGNC:6693]
0,416050422	5,11E-07	3,21E-06	HMGCL	3-hydroxy-3-methylglutaryl-CoA lyase [Source:HGNC Symbol;Acc:HGNC:5005]
0,415666383	0,006510474	0,020453799	AUH	AU RNA binding methylglutaconyl-CoA hydratase [Source:HGNC Symbol;Acc:HGNC:890]
0,415592064	7,11E-08	4,94E-07	WASHC2C	WASH complex subunit 2C [Source:HGNC Symbol;Acc:HGNC:23414]
0,415286922	9,67E-06	5,15E-05	MAPRE3	microtubule associated protein RP/EB family member 3 [Source:HGNC Symbol;Acc:HGNC:6892]
0,415060502	1,54E-15	1,94E-14	SERINC3	serine incorporator 3 [Source:HGNC Symbol;Acc:HGNC:11699]
0,414942136	9,83E-15	1,19E-13	BAG3	BCL2 associated athanogene 3 [Source:HGNC Symbol;Acc:HGNC:939]
0,414343728	3,73E-13	4,11E-12	PARP4	poly(ADP-ribose) polymerase family member 4 [Source:HGNC Symbol;Acc:HGNC:271]
0,414049667	6,32E-12	6,26E-11	HEXB	hexosaminidase subunit beta [Source:HGNC Symbol;Acc:HGNC:4879]
0,413820584	3,91E-06	2,20E-05	ATG7	autophagy related 7 [Source:HGNC Symbol;Acc:HGNC:16935]
0,413544701	1,58E-10	1,39E-09	MCCC2	methylcrotonoyl-CoA carboxylase 2 [Source:HGNC Symbol;Acc:HGNC:6937]
0,413339877	6,23E-05	0,000295829	NR1D2	nuclear receptor subfamily 1 group D member 2 [Source:HGNC Symbol;Acc:HGNC:7963]
0,412896595	3,05E-14	3,59E-13	WEE1	WEE1 G2 checkpoint kinase [Source:HGNC Symbol;Acc:HGNC:12761]
0,412604025	4,43E-10	3,76E-09	ATP9A	ATPase phospholipid transporting 9A (putative) [Source:HGNC Symbol;Acc:HGNC:13540]
0,412553662	1,74E-06	1,03E-05	RUFY3	RUN and FYVE domain containing 3 [Source:HGNC Symbol;Acc:HGNC:30285]
0,412170302	6,95E-05	0,000327215	ZFXH3	zinc finger homeobox 3 [Source:HGNC Symbol;Acc:HGNC:777]
0,41190205	9,30E-12	9,07E-11	SLC6A8	solute carrier family 6 member 8 [Source:HGNC Symbol;Acc:HGNC:11055]
0,411681867	2,59E-07	1,69E-06	TSPAN6	tetraspanin 6 [Source:HGNC Symbol;Acc:HGNC:11858]
0,411535493	0,001932991	0,006870262	SLC25A42	solute carrier family 25 member 42 [Source:HGNC Symbol;Acc:HGNC:28380]
0,411320846	0,01225056	0,035493335	ENO3	enolase 3 [Source:HGNC Symbol;Acc:HGNC:3354]
0,411289017	0,000683007	0,002681454	FUZ	fuzzy planar cell polarity protein [Source:HGNC Symbol;Acc:HGNC:26219]
0,410742804	7,99E-14	9,17E-13	GALNT7	polypeptide N-acetylgalactosaminyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:4129]
0,410699354	7,57E-08	5,23E-07	NRIP1	nuclear receptor interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:8001]
0,41059805	0,002524438	0,008748079	TWIST2	twist family bHLH transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:20670]
0,410375974	3,10E-11	2,90E-10	BCL9	B cell CLL/lymphoma 9 [Source:HGNC Symbol;Acc:HGNC:1008]
0,409864373	6,67E-08	4,64E-07	RFX7	regulatory factor X7 [Source:HGNC Symbol;Acc:HGNC:25777]
0,408798367	0,009243021	0,027739829	SDK2	sidekick cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:19308]
0,408617765	1,43E-13	1,61E-12	UBE3A	ubiquitin protein ligase E3A [Source:HGNC Symbol;Acc:HGNC:12496]
0,408518294	0,005512147	0,017610918	PER3	period circadian regulator 3 [Source:HGNC Symbol;Acc:HGNC:8847]

0,408149934	0,000969685	0,003675332	KCNN3	potassium calcium-activated channel subfamily N member 3 [Source:HGNC Symbol;Acc:HGNC:6292]
0,407982918	7,75E-11	6,97E-10	ACAT2	acetyl-CoA acetyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:94]
0,406174075	7,68E-09	5,85E-08	EPN2	epsin 2 [Source:HGNC Symbol;Acc:HGNC:18639]
0,406037003	7,47E-08	5,16E-07	ERG28	ergosterol biosynthesis 28 homolog [Source:HGNC Symbol;Acc:HGNC:1187]
0,405444072	2,21E-13	2,46E-12	SLC22A23	solute carrier family 22 member 23 [Source:HGNC Symbol;Acc:HGNC:21106]
0,405313193	1,23E-08	9,20E-08	VANGL2	VANGL planar cell polarity protein 2 [Source:HGNC Symbol;Acc:HGNC:15511]
0,404930212	4,87E-23	8,93E-22	LRP10	LDL receptor related protein 10 [Source:HGNC Symbol;Acc:HGNC:14553]
0,404526075	1,72E-07	1,14E-06	SLK	STE20 like kinase [Source:HGNC Symbol;Acc:HGNC:11088]
0,404396617	3,82E-06	2,15E-05	DLG4	discs large MAGUK scaffold protein 4 [Source:HGNC Symbol;Acc:HGNC:2903]
0,404102503	4,47E-11	4,12E-10	DVL2	dishevelled segment polarity protein 2 [Source:HGNC Symbol;Acc:HGNC:3086]
0,40315641	4,40E-11	4,07E-10	CYFIP2	cytoplasmic FMR1 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:13760]
0,402942854	0,007838703	0,024016082	PHYHD1	phytanoyl-CoA dioxygenase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23396]
0,402288611	0,001308286	0,004825934	DPM3	dolichyl-phosphate mannosyltransferase subunit 3 [Source:HGNC Symbol;Acc:HGNC:3007]
0,402275062	2,40E-11	2,27E-10	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 [Source:HGNC Symbol;Acc:HGNC:11098]
0,402143938	0,002044465	0,0072373	MCCC1	methylcrotonoyl-CoA carboxylase 1 [Source:HGNC Symbol;Acc:HGNC:6936]
0,402079481	1,28E-12	1,35E-11	DDIT4	DNA damage inducible transcript 4 [Source:HGNC Symbol;Acc:HGNC:24944]
0,401999745	1,37E-09	1,11E-08	PAIP2	poly(A) binding protein interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:17970]
0,401967127	0,000684817	0,002685845	MIA2	MIA SH3 domain ER export factor 2 [Source:HGNC Symbol;Acc:HGNC:18432]
0,401892768	6,37E-08	4,44E-07	SLC35C2	solute carrier family 35 member C2 [Source:HGNC Symbol;Acc:HGNC:17117]
0,401841388	1,53E-07	1,02E-06	ADA2	adenosine deaminase 2 [Source:HGNC Symbol;Acc:HGNC:1839]
0,401822664	4,55E-10	3,85E-09	PHF23	PHD finger protein 23 [Source:HGNC Symbol;Acc:HGNC:28428]
0,401396742	1,37E-11	1,32E-10	ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1 [Source:HGNC Symbol;Acc:HGNC:16925]
0,401355476	0,00864572	0,026190891	PCSK4	proprotein convertase subtilisin/kexin type 4 [Source:HGNC Symbol;Acc:HGNC:8746]
0,400824035	0,016978099	0,047007702	ST6GAL1	ST6 beta-galactoside alpha-2,6-sialyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:10860]
0,400738693	6,57E-05	0,00031082	NAPRT	nicotinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:30450]
0,400171072	0,001281541	0,00473616	LGALS8	galectin 8 [Source:HGNC Symbol;Acc:HGNC:6569]
0,400149774	5,69E-08	3,99E-07	ZNF687	zinc finger protein 687 [Source:HGNC Symbol;Acc:HGNC:29277]
0,400132713	4,38E-09	3,41E-08	WASHC2A	WASH complex subunit 2A [Source:HGNC Symbol;Acc:HGNC:23416]
-6,426481538	3,83E-17	5,34E-16	KRT17	keratin 17 [Source:HGNC Symbol;Acc:HGNC:6427]
-6,167605712	2,06E-06	1,20E-05	CCDC190	coiled-coil domain containing 190 [Source:HGNC Symbol;Acc:HGNC:28736]
-6,080014365	3,02E-06	1,72E-05	HLA-DQA2	major histocompatibility complex, class II, DQ alpha 2 [Source:HGNC Symbol;Acc:HGNC:4943]
-6,045241702	4,62E-08	3,27E-07	KCNJ13	potassium voltage-gated channel subfamily J member 13 [Source:HGNC Symbol;Acc:HGNC:6259]

-5,90396903	4,33E-05	0,000210588	<i>TRPC6</i>	transient receptor potential cation channel subfamily C member 6 [Source:HGNC Symbol;Acc:HGNC:12338]
-5,811821332	5,89E-05	0,000280792	<i>NPPB</i>	natriuretic peptide B [Source:HGNC Symbol;Acc:HGNC:7940]
-5,412154295	0,000387943	0,001591295	<i>CHRM2</i>	cholinergic receptor muscarinic 2 [Source:HGNC Symbol;Acc:HGNC:1951]
-5,382535102	7,82E-05	0,000364677	<i>SOST</i>	sclerostin [Source:HGNC Symbol;Acc:HGNC:13771]
-5,377963503	9,73E-05	0,000447026	<i>KCNMB1</i>	potassium calcium-activated channel subfamily M regulatory beta subunit 1 [Source:HGNC Symbol;Acc:HGNC:6285]
-5,155104609	9,46E-06	5,05E-05	<i>C5orf46</i>	chromosome 5 open reading frame 46 [Source:HGNC Symbol;Acc:HGNC:33768]
-4,643477889	0,001756494	0,006292509	<i>C11orf88</i>	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]
-4,63920801	0,001578489	0,00571357	<i>SSTR1</i>	somatostatin receptor 1 [Source:HGNC Symbol;Acc:HGNC:11330]
-4,588642185	0,002555299	0,008837665	<i>RAET1L</i>	retinoic acid early transcript 1L [Source:HGNC Symbol;Acc:HGNC:16798]
-4,575251396	0,001977015	0,007015167	<i>PRND</i>	prion like protein doppel [Source:HGNC Symbol;Acc:HGNC:15748]
-4,54538278	0	0	<i>CNN1</i>	calponin 1 [Source:HGNC Symbol;Acc:HGNC:2155]
-4,372468224	2,05E-05	0,000104443	<i>NPAS4</i>	neuronal PAS domain protein 4 [Source:HGNC Symbol;Acc:HGNC:18983]
-4,371845368	1,11E-77	8,80E-76	<i>ACTA2</i>	actin, alpha 2, smooth muscle, aorta [Source:HGNC Symbol;Acc:HGNC:130]
-4,246282114	0,000857266	0,003294931	<i>MYOG</i>	myogenin [Source:HGNC Symbol;Acc:HGNC:7612]
-4,242306054	0,005976161	0,018949898	<i>ACAN</i>	aggrecan [Source:HGNC Symbol;Acc:HGNC:319]
-4,063078198	1,44E-06	8,58E-06	<i>GPR17</i>	G protein-coupled receptor 17 [Source:HGNC Symbol;Acc:HGNC:4471]
-4,003257884	3,45E-40	1,17E-38	<i>LMOD1</i>	leiomodin 1 [Source:HGNC Symbol;Acc:HGNC:6647]
-3,911610326	2,99E-292	3,42E-289	<i>ANKRD1</i>	ankyrin repeat domain 1 [Source:HGNC Symbol;Acc:HGNC:15819]
-3,812571183	1,37E-70	9,56E-69	<i>CEMIP</i>	cell migration inducing hyaluronidase 1 [Source:HGNC Symbol;Acc:HGNC:29213]
-3,688334932	0,001162398	0,004332982	<i>KRTAP2-3</i>	keratin associated protein 2-3 [Source:HGNC Symbol;Acc:HGNC:18906]
-3,611393431	2,28E-08	1,66E-07	<i>HLA-DQA1</i>	major histocompatibility complex, class II, DQ alpha 1 [Source:HGNC Symbol;Acc:HGNC:4942]
-3,581521172	0,000217044	0,000929791	<i>MYO7B</i>	myosin VIIb [Source:HGNC Symbol;Acc:HGNC:7607]
-3,549093501	8,45E-30	2,04E-28	<i>GFAP</i>	glial fibrillary acidic protein [Source:HGNC Symbol;Acc:HGNC:4235]
-3,50303486	1,51E-53	7,24E-52	<i>TSPAN2</i>	tetraspanin 2 [Source:HGNC Symbol;Acc:HGNC:20659]
-3,427273026	2,09E-05	0,000106536	<i>ADTRP</i>	androgen dependent TFPI regulating protein [Source:HGNC Symbol;Acc:HGNC:21214]
-3,412569638	0,013719989	0,039125659	<i>IGF2</i>	insulin like growth factor 2 [Source:HGNC Symbol;Acc:HGNC:5466]
-3,386061841	4,37E-226	2,42E-223	<i>CPA4</i>	carboxypeptidase A4 [Source:HGNC Symbol;Acc:HGNC:15740]
-3,375406179	2,18E-71	1,57E-69	<i>ACTC1</i>	actin, alpha, cardiac muscle 1 [Source:HGNC Symbol;Acc:HGNC:143]
-3,366012762	2,97E-06	1,70E-05	<i>HLA-DRB5</i>	major histocompatibility complex, class II, DR beta 5 [Source:HGNC Symbol;Acc:HGNC:4953]
-3,359191539	0,004626113	0,015067866	<i>SCUBE1</i>	signal peptide, CUB domain and EGF like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:13441]
-3,355380039	9,12E-37	2,82E-35	<i>LIX1</i>	limb and CNS expressed 1 [Source:HGNC Symbol;Acc:HGNC:18581]
-3,330346775	2,78E-246	2,00E-243	<i>ACTG2</i>	actin, gamma 2, smooth muscle, enteric [Source:HGNC Symbol;Acc:HGNC:145]
-3,321747963	0	0	<i>TAGLN</i>	transgelin [Source:HGNC Symbol;Acc:HGNC:11553]
-3,304460344	3,08E-30	7,59E-29	<i>RPRM</i>	reprimin, TP53 dependent G2 arrest mediator homolog [Source:HGNC Symbol;Acc:HGNC:24201]

-3,302049979	2,08E-14	2,47E-13	<i>ACTA1</i>	actin, alpha 1, skeletal muscle [Source:HGNC Symbol;Acc:HGNC:129]
-3,287162968	0,000558778	0,002221605	<i>LTF</i>	lactotransferrin [Source:HGNC Symbol;Acc:HGNC:6720]
-3,268597205	5,58E-143	1,24E-140	<i>LIMS2</i>	LIM zinc finger domain containing 2 [Source:HGNC Symbol;Acc:HGNC:16084]
-3,267887614	7,24E-17	9,95E-16	<i>CYP24A1</i>	cytochrome P450 family 24 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2602]
-3,243625923	0,007596216	0,023343179	<i>FGF7</i>	fibroblast growth factor 7 [Source:HGNC Symbol;Acc:HGNC:3685]
-3,22703896	0,00737767	0,022750845	<i>CBLC</i>	Cbl proto-oncogene C [Source:HGNC Symbol;Acc:HGNC:15961]
-3,208228978	2,34E-30	5,85E-29	<i>SAMD11</i>	sterile alpha motif domain containing 11 [Source:HGNC Symbol;Acc:HGNC:28706]
-3,189411872	7,31E-24	1,39E-22	<i>ACTBL2</i>	actin, beta like 2 [Source:HGNC Symbol;Acc:HGNC:17780]
-3,171260906	2,32E-09	1,85E-08	<i>COL6A6</i>	collagen type VI alpha 6 chain [Source:HGNC Symbol;Acc:HGNC:27023]
-3,135242164	1,34E-243	9,32E-241	<i>C1QL1</i>	complement C1q like 1 [Source:HGNC Symbol;Acc:HGNC:24182]
-3,121846691	4,77E-28	1,08E-26	<i>PLPPR1</i>	phospholipid phosphatase related 1 [Source:HGNC Symbol;Acc:HGNC:25993]
-3,088900322	0,002637442	0,009097439	<i>DAW1</i>	dynein assembly factor with WD repeats 1 [Source:HGNC Symbol;Acc:HGNC:26383]
-3,00409957	2,26E-76	1,73E-74	<i>OXTR</i>	oxytocin receptor [Source:HGNC Symbol;Acc:HGNC:8529]
-2,997843263	6,34E-88	6,22E-86	<i>IL32</i>	interleukin 32 [Source:HGNC Symbol;Acc:HGNC:16830]
-2,994478613	5,21E-119	8,02E-117	<i>MYL9</i>	myosin light chain 9 [Source:HGNC Symbol;Acc:HGNC:15754]
-2,981199857	1,18E-06	7,10E-06	<i>ABCB5</i>	ATP binding cassette subfamily B member 5 [Source:HGNC Symbol;Acc:HGNC:46]
-2,901904148	0,016992882	0,047028503	<i>ELF3</i>	E74 like ETS transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:3318]
-2,879064601	0,000985646	0,003732912	<i>ADRB1</i>	adrenoceptor beta 1 [Source:HGNC Symbol;Acc:HGNC:285]
-2,867829818	1,80E-111	2,54E-109	<i>EDN1</i>	endothelin 1 [Source:HGNC Symbol;Acc:HGNC:3176]
-2,840761554	2,15E-06	1,26E-05	<i>SCN1A</i>	sodium voltage-gated channel alpha subunit 1 [Source:HGNC Symbol;Acc:HGNC:10585]
-2,803643668	2,73E-06	1,57E-05	<i>ADCYAP1</i>	adenylate cyclase activating polypeptide 1 [Source:HGNC Symbol;Acc:HGNC:241]
-2,781202444	0	0	<i>CTGF</i>	connective tissue growth factor [Source:HGNC Symbol;Acc:HGNC:2500]
-2,772130549	8,26E-68	5,49E-66	<i>CRYAB</i>	crystallin alpha B [Source:HGNC Symbol;Acc:HGNC:2389]
-2,770087081	0	0	<i>THBS1</i>	thrombospondin 1 [Source:HGNC Symbol;Acc:HGNC:11785]
-2,742045041	0	0	<i>LBH</i>	limb bud and heart development [Source:HGNC Symbol;Acc:HGNC:29532]
-2,741290756	5,27E-52	2,43E-50	<i>EGLN3</i>	egl-9 family hypoxia inducible factor 3 [Source:HGNC Symbol;Acc:HGNC:14661]
-2,723022637	0	0	<i>CYR61</i>	cysteine rich angiogenic inducer 61 [Source:HGNC Symbol;Acc:HGNC:2654]
-2,686028977	3,64E-35	1,07E-33	<i>PDGFB</i>	platelet derived growth factor subunit B [Source:HGNC Symbol;Acc:HGNC:8800]
-2,682957387	2,48E-41	8,69E-40	<i>HLA-DPA1</i>	major histocompatibility complex, class II, DP alpha 1 [Source:HGNC Symbol;Acc:HGNC:4938]
-2,65103924	4,93E-11	4,52E-10	<i>KRT81</i>	keratin 81 [Source:HGNC Symbol;Acc:HGNC:6458]
-2,639898466	0,010439613	0,030821716	<i>SLC28A3</i>	solute carrier family 28 member 3 [Source:HGNC Symbol;Acc:HGNC:16484]
-2,634275327	1,90E-15	2,39E-14	<i>TNFRSF9</i>	TNF receptor superfamily member 9 [Source:HGNC Symbol;Acc:HGNC:11924]
-2,621318896	2,75E-12	2,83E-11	<i>RIMS1</i>	regulating synaptic membrane exocytosis 1 [Source:HGNC Symbol;Acc:HGNC:17282]

-2,621307529	8,86E-49	3,84E-47	COL8A2	collagen type VIII alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2216]
-2,620265083	0,006226116	0,019649374	TRIM67	tripartite motif containing 67 [Source:HGNC Symbol;Acc:HGNC:31859]
-2,617852796	0,001057996	0,003978965	KLRG2	killer cell lectin like receptor G2 [Source:HGNC Symbol;Acc:HGNC:24778]
-2,610733921	0,000500235	0,00200694	NXPH2	neurexophilin 2 [Source:HGNC Symbol;Acc:HGNC:8076]
-2,589869466	3,53E-200	1,34E-197	EFEMP1	EGF containing fibulin extracellular matrix protein 1 [Source:HGNC Symbol;Acc:HGNC:3218]
-2,573773028	3,74E-65	2,43E-63	COL26A1	collagen type XXVI alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:18038]
-2,570799347	4,08E-74	3,01E-72	BDNF	brain derived neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:1033]
-2,570745111	9,48E-05	0,00043642	LCP1	lymphocyte cytosolic protein 1 [Source:HGNC Symbol;Acc:HGNC:6528]
-2,569410117	4,73E-44	1,79E-42	MYBL1	MYB proto-oncogene like 1 [Source:HGNC Symbol;Acc:HGNC:7547]
-2,545218886	1,79E-25	3,67E-24	NPR3	natriuretic peptide receptor 3 [Source:HGNC Symbol;Acc:HGNC:7945]
-2,545169145	0,006931661	0,021567391	OLFML1	olfactomedin like 1 [Source:HGNC Symbol;Acc:HGNC:24473]
-2,541447464	1,33E-17	1,91E-16	HLA-DMB	major histocompatibility complex, class II, DM beta [Source:HGNC Symbol;Acc:HGNC:4935]
-2,536207712	0,001890758	0,006728782	GIPC2	GIPC PDZ domain containing family member 2 [Source:HGNC Symbol;Acc:HGNC:18177]
-2,53220855	1,33E-38	4,31E-37	RPE65	RPE65, retinoid isomerohydrolase [Source:HGNC Symbol;Acc:HGNC:10294]
-2,516972754	2,67E-68	1,78E-66	PCDH7	protocadherin 7 [Source:HGNC Symbol;Acc:HGNC:8659]
-2,511415573	1,24E-23	2,32E-22	CLDN6	claudin 6 [Source:HGNC Symbol;Acc:HGNC:2048]
-2,495857696	3,52E-26	7,42E-25	HLA-DQB1	major histocompatibility complex, class II, DQ beta 1 [Source:HGNC Symbol;Acc:HGNC:4944]
-2,49268247	2,88E-187	9,98E-185	LMO7	LIM domain 7 [Source:HGNC Symbol;Acc:HGNC:6646]
-2,492280681	1,99E-15	2,49E-14	NGF	nerve growth factor [Source:HGNC Symbol;Acc:HGNC:7808]
-2,488087451	6,19E-123	9,85E-121	JPH2	junctophilin 2 [Source:HGNC Symbol;Acc:HGNC:14202]
-2,486884112	3,83E-07	2,44E-06	CES1	carboxylesterase 1 [Source:HGNC Symbol;Acc:HGNC:1863]
-2,486143101	3,76E-94	4,08E-92	DIAPH3	diaphanous related formin 3 [Source:HGNC Symbol;Acc:HGNC:15480]
-2,484119707	3,49E-12	3,54E-11	ABCC9	ATP binding cassette subfamily C member 9 [Source:HGNC Symbol;Acc:HGNC:60]
-2,482615487	0	0	TPM1	tropomyosin 1 [Source:HGNC Symbol;Acc:HGNC:12010]
-2,467072741	3,10E-90	3,16E-88	MEGF6	multiple EGF like domains 6 [Source:HGNC Symbol;Acc:HGNC:3232]
-2,456881954	3,65E-82	3,21E-80	ANXA3	annexin A3 [Source:HGNC Symbol;Acc:HGNC:541]
-2,444042278	0,013990439	0,039794348	MYBPH	myosin binding protein H [Source:HGNC Symbol;Acc:HGNC:7552]
-2,428803588	5,82E-21	9,83E-20	FGFR3	fibroblast growth factor receptor 3 [Source:HGNC Symbol;Acc:HGNC:3690]
-2,426723857	2,09E-06	1,22E-05	PAQR5	progesterin and adipoQ receptor family member 5 [Source:HGNC Symbol;Acc:HGNC:29645]
-2,423429599	1,52E-137	3,11E-135	FZD5	frizzled class receptor 5 [Source:HGNC Symbol;Acc:HGNC:4043]
-2,406944584	2,81E-77	2,22E-75	SH3RF2	SH3 domain containing ring finger 2 [Source:HGNC Symbol;Acc:HGNC:26299]
-2,40422223	2,41E-28	5,54E-27	L1CAM	L1 cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:6470]
-2,397495298	3,78E-88	3,72E-86	TENT5B	terminal nucleotidyltransferase 5B [Source:HGNC Symbol;Acc:HGNC:28273]
-2,38145862	1,42E-28	3,29E-27	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:HGNC:4948]

-2,36967907	9,17E-49	3,96E-47	GPRC5A	G protein-coupled receptor class C group 5 member A [Source:HGNC Symbol;Acc:HGNC:9836]
-2,361872901	0,002207631	0,007759696	C1QTNF2	C1q and TNF related 2 [Source:HGNC Symbol;Acc:HGNC:14325]
-2,359791954	1,62E-247	1,21E-244	HLA-DRA	major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947]
-2,342292664	4,54E-18	6,69E-17	TINAGL1	tubulointerstitial nephritis antigen like 1 [Source:HGNC Symbol;Acc:HGNC:19168]
-2,338513419	3,85E-42	1,38E-40	BRIP1	BRCA1 interacting protein C-terminal helicase 1 [Source:HGNC Symbol;Acc:HGNC:20473]
-2,336416041	6,85E-09	5,24E-08	ERBB4	erb-b2 receptor tyrosine kinase 4 [Source:HGNC Symbol;Acc:HGNC:3432]
-2,333798713	3,51E-69	2,40E-67	HSPG2	heparan sulfate proteoglycan 2 [Source:HGNC Symbol;Acc:HGNC:5273]
-2,32330981	0,015506556	0,043454185	ITIH3	inter-alpha-trypsin inhibitor heavy chain 3 [Source:HGNC Symbol;Acc:HGNC:6168]
-2,32135173	0,00210883	0,00744478	DCAF12L1	DDB1 and CUL4 associated factor 12 like 1 [Source:HGNC Symbol;Acc:HGNC:29395]
-2,304039608	7,03E-111	9,68E-109	RFLNA	refilin A [Source:HGNC Symbol;Acc:HGNC:27051]
-2,276006124	1,49E-133	2,91E-131	CRISPLD2	cysteine rich secretory protein LCCL domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25248]
-2,272312728	0,000572196	0,002271692	B3GALT2	beta-1,3-galactosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:917]
-2,270200462	4,26E-38	1,36E-36	KCNIP1	potassium voltage-gated channel interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:15521]
-2,252748838	0,001743966	0,006252246	PTPRQ	protein tyrosine phosphatase, receptor type Q [Source:HGNC Symbol;Acc:HGNC:9679]
-2,251948023	4,04E-163	1,14E-160	PHLDB2	pleckstrin homology like domain family B member 2 [Source:HGNC Symbol;Acc:HGNC:29573]
-2,24996232	3,12E-08	2,24E-07	EPPK1	epiplakin 1 [Source:HGNC Symbol;Acc:HGNC:15577]
-2,235003241	4,22E-161	1,15E-158	NEXN	nexilin F-actin binding protein [Source:HGNC Symbol;Acc:HGNC:29557]
-2,230986504	4,30E-05	0,00020937	TC2N	tandem C2 domains, nuclear [Source:HGNC Symbol;Acc:HGNC:19859]
-2,230938821	1,92E-14	2,28E-13	RELN	reelin [Source:HGNC Symbol;Acc:HGNC:9957]
-2,202691487	1,45E-167	4,62E-165	RASSF3	Ras association domain family member 3 [Source:HGNC Symbol;Acc:HGNC:14271]
-2,188009071	0	0	SLC7A5	solute carrier family 7 member 5 [Source:HGNC Symbol;Acc:HGNC:11063]
-2,183334412	0,001236736	0,004582794	SLFN13	schlafen family member 13 [Source:HGNC Symbol;Acc:HGNC:26481]
-2,182018528	4,38E-16	5,69E-15	HLA-DPB1	major histocompatibility complex, class II, DP beta 1 [Source:HGNC Symbol;Acc:HGNC:4940]
-2,181754022	0,004755804	0,015438462	STON1-GTF2A1L	STON1-GTF2A1L readthrough [Source:HGNC Symbol;Acc:HGNC:30651]
-2,180137014	1,33E-294	1,62E-291	STC2	stanniocalcin 2 [Source:HGNC Symbol;Acc:HGNC:11374]
-2,176302804	9,89E-50	4,41E-48	IQCJ-SCHIP1	IQCJ-SCHIP1 readthrough [Source:HGNC Symbol;Acc:HGNC:38842]
-2,169246191	2,21E-70	1,54E-68	VGLL3	vestigial like family member 3 [Source:HGNC Symbol;Acc:HGNC:24327]
-2,163398207	3,55E-09	2,79E-08	PLP1	proteolipid protein 1 [Source:HGNC Symbol;Acc:HGNC:9086]
-2,157314266	3,94E-21	6,70E-20	AKAP5	A-kinase anchoring protein 5 [Source:HGNC Symbol;Acc:HGNC:375]
-2,156663124	5,20E-06	2,88E-05	IL34	interleukin 34 [Source:HGNC Symbol;Acc:HGNC:28529]
-2,147823543	4,50E-32	1,19E-30	SULF1	sulfatase 1 [Source:HGNC Symbol;Acc:HGNC:20391]
-2,14369795	4,28E-28	9,69E-27	CLEC19A	C-type lectin domain containing 19A [Source:HGNC Symbol;Acc:HGNC:34522]
-2,142546937	1,30E-34	3,76E-33	FAT3	FAT atypical cadherin 3 [Source:HGNC Symbol;Acc:HGNC:23112]
-2,129066452	1,31E-23	2,46E-22	RGS5	regulator of G protein signaling 5 [Source:HGNC Symbol;Acc:HGNC:10001]

-2,126284249	1,25E-06	7,54E-06	<i>LRRC2</i>	leucine rich repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:14676]
-2,125410795	0,014023792	0,039870165	<i>ATAD3C</i>	ATPase family, AAA domain containing 3C [Source:HGNC Symbol;Acc:HGNC:32151]
-2,124188605	7,41E-08	5,12E-07	<i>DOCK8</i>	dedicator of cytokinesis 8 [Source:HGNC Symbol;Acc:HGNC:19191]
-2,123236691	4,76E-171	1,54E-168	<i>GALNT17</i>	polypeptide N-acetylgalactosaminyltransferase 17 [Source:HGNC Symbol;Acc:HGNC:16347]
-2,117321655	0,010342411	0,030576605	<i>ALKAL2</i>	ALK and LTK ligand 2 [Source:HGNC Symbol;Acc:HGNC:27683]
-2,116688186	0,000394549	0,001617027	<i>KISS1</i>	KiSS-1 metastasis suppressor [Source:HGNC Symbol;Acc:HGNC:6341]
-2,092510187	0,000126039	0,000567104	<i>STX11</i>	syntaxin 11 [Source:HGNC Symbol;Acc:HGNC:11429]
-2,091668237	0,001564097	0,005670253	<i>HAND2</i>	heart and neural crest derivatives expressed 2 [Source:HGNC Symbol;Acc:HGNC:4808]
-2,07474047	2,78E-41	9,72E-40	<i>KIF18B</i>	kinesin family member 18B [Source:HGNC Symbol;Acc:HGNC:27102]
-2,071612363	3,04E-10	2,62E-09	<i>ADRB2</i>	adrenoceptor beta 2 [Source:HGNC Symbol;Acc:HGNC:286]
-2,062896431	0,01190099	0,034604528	<i>TMEM139</i>	transmembrane protein 139 [Source:HGNC Symbol;Acc:HGNC:22058]
-2,062732796	7,82E-69	5,27E-67	<i>FILIP1L</i>	filamin A interacting protein 1 like [Source:HGNC Symbol;Acc:HGNC:24589]
-2,060874993	1,99E-07	1,31E-06	<i>GSG1L</i>	GSG1 like [Source:HGNC Symbol;Acc:HGNC:28283]
-2,060186408	1,41E-09	1,14E-08	<i>ALS2CL</i>	ALS2 C-terminal like [Source:HGNC Symbol;Acc:HGNC:20605]
-2,05720146	3,19E-192	1,15E-189	<i>FSTL3</i>	follistatin like 3 [Source:HGNC Symbol;Acc:HGNC:3973]
-2,052605917	1,10E-111	1,57E-109	<i>GBP1</i>	guanylate binding protein 1 [Source:HGNC Symbol;Acc:HGNC:4182]
-2,051571496	6,10E-255	5,15E-252	<i>COL11A1</i>	collagen type XI alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2186]
-2,050743546	0,000493662	0,00198385	<i>PTGES3L</i>	prostaglandin E synthase 3 like [Source:HGNC Symbol;Acc:HGNC:43943]
-2,048276154	1,13E-291	1,22E-288	<i>MEST</i>	mesoderm specific transcript [Source:HGNC Symbol;Acc:HGNC:7028]
-2,042059953	0,010013671	0,029740635	<i>GPC3</i>	glypican 3 [Source:HGNC Symbol;Acc:HGNC:4451]
-2,040608499	0,017959767	0,049324545	<i>PROKR1</i>	prokineticin receptor 1 [Source:HGNC Symbol;Acc:HGNC:4524]
-2,039786801	9,54E-64	6,03E-62	<i>CRB2</i>	crumbs 2, cell polarity complex component [Source:HGNC Symbol;Acc:HGNC:18688]
-2,038787303	8,65E-115	1,28E-112	<i>P3H2</i>	prolyl 3-hydroxylase 2 [Source:HGNC Symbol;Acc:HGNC:19317]
-2,034815235	4,95E-06	2,74E-05	<i>KCNK3</i>	potassium two pore domain channel subfamily K member 3 [Source:HGNC Symbol;Acc:HGNC:6278]
-2,030647411	2,92E-55	1,48E-53	<i>ADAMTSL3</i>	ADAMTS like 3 [Source:HGNC Symbol;Acc:HGNC:14633]
-2,027285678	5,11E-09	3,95E-08	<i>SLC16A12</i>	solute carrier family 16 member 12 [Source:HGNC Symbol;Acc:HGNC:23094]
-2,027098882	4,61E-22	8,10E-21	<i>MCM10</i>	minichromosome maintenance 10 replication initiation factor [Source:HGNC Symbol;Acc:HGNC:18043]
-2,026315793	0,010219134	0,030253626	<i>C1QL4</i>	complement C1q like 4 [Source:HGNC Symbol;Acc:HGNC:31416]
-2,024019444	8,90E-35	2,58E-33	<i>HLA-DMA</i>	major histocompatibility complex, class II, DM alpha [Source:HGNC Symbol;Acc:HGNC:4934]
-2,019212096	0	0	<i>GAS6</i>	growth arrest specific 6 [Source:HGNC Symbol;Acc:HGNC:4168]
-2,018957792	5,23E-05	0,000251606	<i>CCDC81</i>	coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGNC:26281]
-2,013073156	5,94E-69	4,03E-67	<i>PROM1</i>	prominin 1 [Source:HGNC Symbol;Acc:HGNC:9454]
-2,011971426	1,73E-08	1,28E-07	<i>CA3</i>	carbonic anhydrase 3 [Source:HGNC Symbol;Acc:HGNC:1374]

-2,009893348	1,07E-77	8,58E-76	<i>KIT</i>	KIT proto-oncogene receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:6342]
-1,998587436	0,014982021	0,042130285	<i>KCTD8</i>	potassium channel tetramerization domain containing 8 [Source:HGNC Symbol;Acc:HGNC:22394]
-1,994359696	5,94E-54	2,89E-52	<i>MYBL2</i>	MYB proto-oncogene like 2 [Source:HGNC Symbol;Acc:HGNC:7548]
-1,989899321	1,30E-06	7,79E-06	<i>HAPLN1</i>	hyaluronan and proteoglycan link protein 1 [Source:HGNC Symbol;Acc:HGNC:2380]
-1,978341194	1,62E-44	6,22E-43	<i>TSPAN12</i>	tetraspanin 12 [Source:HGNC Symbol;Acc:HGNC:21641]
-1,976706625	3,23E-56	1,68E-54	<i>KIF23</i>	kinesin family member 23 [Source:HGNC Symbol;Acc:HGNC:6392]
-1,968394364	3,95E-09	3,09E-08	<i>C6orf132</i>	chromosome 6 open reading frame 132 [Source:HGNC Symbol;Acc:HGNC:21288]
-1,967327118	5,54E-251	4,48E-248	<i>AMOTL2</i>	angiomotin like 2 [Source:HGNC Symbol;Acc:HGNC:17812]
-1,961427712	2,19E-17	3,11E-16	<i>FAM111B</i>	family with sequence similarity 111 member B [Source:HGNC Symbol;Acc:HGNC:24200]
-1,961023948	1,02E-08	7,67E-08	<i>TRIM58</i>	tripartite motif containing 58 [Source:HGNC Symbol;Acc:HGNC:24150]
-1,957876745	1,07E-12	1,14E-11	<i>ADAMTS5</i>	ADAM metalloproteinase with thrombospondin type 1 motif 5 [Source:HGNC Symbol;Acc:HGNC:221]
-1,955299569	4,37E-30	1,07E-28	<i>AURKB</i>	aurora kinase B [Source:HGNC Symbol;Acc:HGNC:11390]
-1,953967539	1,13E-123	1,86E-121	<i>LAYN</i>	layilin [Source:HGNC Symbol;Acc:HGNC:29471]
-1,948693469	5,09E-34	1,44E-32	<i>PDCD1LG2</i>	programmed cell death 1 ligand 2 [Source:HGNC Symbol;Acc:HGNC:18731]
-1,943220954	0,003923666	0,012986981	<i>OR2I1P</i>	olfactory receptor family 2 subfamily I member 1 pseudogene [Source:HGNC Symbol;Acc:HGNC:8258]
-1,942540706	6,05E-35	1,76E-33	<i>BIRC3</i>	baculoviral IAP repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:591]
-1,942357675	9,98E-101	1,22E-98	<i>SLIT3</i>	slit guidance ligand 3 [Source:HGNC Symbol;Acc:HGNC:11087]
-1,936403877	8,57E-09	6,49E-08	<i>C3</i>	complement C3 [Source:HGNC Symbol;Acc:HGNC:1318]
-1,933031279	1,63E-08	1,20E-07	<i>LRRC7</i>	leucine rich repeat containing 7 [Source:HGNC Symbol;Acc:HGNC:18531]
-1,927110816	5,61E-13	6,12E-12	<i>GALNT3</i>	polypeptide N-acetylgalactosaminyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:4125]
-1,926127132	7,22E-13	7,80E-12	<i>P2RY6</i>	pyrimidinergic receptor P2Y6 [Source:HGNC Symbol;Acc:HGNC:8543]
-1,916281694	9,74E-06	5,19E-05	<i>FANCB</i>	FA complementation group B [Source:HGNC Symbol;Acc:HGNC:3583]
-1,916154861	6,76E-21	1,13E-19	<i>CDH20</i>	cadherin 20 [Source:HGNC Symbol;Acc:HGNC:1760]
-1,91481774	0,016709753	0,046417045	<i>MYOCD</i>	myocardin [Source:HGNC Symbol;Acc:HGNC:16067]
-1,906681874	6,22E-28	1,39E-26	<i>MMP24</i>	matrix metalloproteinase 24 [Source:HGNC Symbol;Acc:HGNC:7172]
-1,906167513	0,00121056	0,004496099	<i>FMO1</i>	flavin containing monooxygenase 1 [Source:HGNC Symbol;Acc:HGNC:3769]
-1,903684081	1,35E-33	3,75E-32	<i>FGFR2</i>	fibroblast growth factor receptor 2 [Source:HGNC Symbol;Acc:HGNC:3689]
-1,902651674	1,62E-175	5,32E-173	<i>MSRB3</i>	methionine sulfoxide reductase B3 [Source:HGNC Symbol;Acc:HGNC:27375]
-1,900312308	1,13E-43	4,25E-42	<i>SMAD6</i>	SMAD family member 6 [Source:HGNC Symbol;Acc:HGNC:6772]
-1,894641206	8,59E-13	9,20E-12	<i>HAS2</i>	hyaluronan synthase 2 [Source:HGNC Symbol;Acc:HGNC:4819]
-1,892186148	1,34E-166	4,07E-164	<i>F3</i>	coagulation factor III, tissue factor [Source:HGNC Symbol;Acc:HGNC:3541]
-1,88815614	4,60E-22	8,09E-21	<i>PLCB4</i>	phospholipase C beta 4 [Source:HGNC Symbol;Acc:HGNC:9059]
-1,884988723	1,90E-24	3,73E-23	<i>DTL</i>	denticless E3 ubiquitin protein ligase homolog [Source:HGNC Symbol;Acc:HGNC:30288]
-1,884328982	4,54E-164	1,29E-161	<i>ALPK2</i>	alpha kinase 2 [Source:HGNC Symbol;Acc:HGNC:20565]

-1,880836421	2,66E-152	6,80E-150	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24693]
-1,877929487	0,000336267	0,00139109	LYPD6B	LY6/PLAUR domain containing 6B [Source:HGNC Symbol;Acc:HGNC:27018]
-1,877567369	6,71E-270	5,92E-267	CD74	CD74 molecule [Source:HGNC Symbol;Acc:HGNC:1697]
-1,877481804	4,74E-08	3,35E-07	E2F2	E2F transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:3114]
-1,875204324	4,10E-34	1,16E-32	KRT80	keratin 80 [Source:HGNC Symbol;Acc:HGNC:27056]
-1,870226985	1,71E-103	2,17E-101	ANLN	anillin actin binding protein [Source:HGNC Symbol;Acc:HGNC:14082]
-1,864468313	2,82E-11	2,65E-10	CHL1	cell adhesion molecule L1 like [Source:HGNC Symbol;Acc:HGNC:1939]
-1,858978609	0	0	GPC4	glypican 4 [Source:HGNC Symbol;Acc:HGNC:4452]
-1,848896428	1,70E-08	1,26E-07	FSTL5	folliculin like 5 [Source:HGNC Symbol;Acc:HGNC:21386]
-1,848659161	1,95E-32	5,25E-31	VSIR	V-set immunoregulatory receptor [Source:HGNC Symbol;Acc:HGNC:30085]
-1,847236543	2,11E-60	1,23E-58	GADD45B	growth arrest and DNA damage inducible beta [Source:HGNC Symbol;Acc:HGNC:4096]
-1,831608186	3,12E-36	9,51E-35	IQGAP3	IQ motif containing GTPase activating protein 3 [Source:HGNC Symbol;Acc:HGNC:20669]
-1,830549882	7,88E-37	2,44E-35	CDC6	cell division cycle 6 [Source:HGNC Symbol;Acc:HGNC:1744]
-1,82694484	0,003146322	0,010674393	NOTUM	notum, palmitoleoyl-protein carboxylesterase [Source:HGNC Symbol;Acc:HGNC:27106]
-1,823523857	1,12E-141	2,43E-139	PDE1C	phosphodiesterase 1C [Source:HGNC Symbol;Acc:HGNC:8776]
-1,823293478	2,15E-32	5,76E-31	RRM2	ribonucleotide reductase regulatory subunit M2 [Source:HGNC Symbol;Acc:HGNC:10452]
-1,820873674	2,68E-179	8,96E-177	DDAH1	dimethylarginine dimethylaminohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:2715]
-1,811154247	1,27E-06	7,66E-06	LPL	lipoprotein lipase [Source:HGNC Symbol;Acc:HGNC:6677]
-1,808126702	5,59E-12	5,56E-11	SEZ6	seizure related 6 homolog [Source:HGNC Symbol;Acc:HGNC:15955]
-1,803180894	0,000184531	0,000802917	MTFR2	mitochondrial fission regulator 2 [Source:HGNC Symbol;Acc:HGNC:21115]
-1,801178086	0,00149418	0,005447313	ARHGEF10	Rho guanine nucleotide exchange factor 10 [Source:HGNC Symbol;Acc:HGNC:14103]
-1,791896053	5,45E-15	6,66E-14	CD200	CD200 molecule [Source:HGNC Symbol;Acc:HGNC:7203]
-1,790118471	1,28E-40	4,38E-39	DAAM2	dishevelled associated activator of morphogenesis 2 [Source:HGNC Symbol;Acc:HGNC:18143]
-1,783990703	6,94E-159	1,85E-156	PADI2	peptidyl arginine deiminase 2 [Source:HGNC Symbol;Acc:HGNC:18341]
-1,781763611	1,24E-197	4,54E-195	GLIPR1	GLI pathogenesis related 1 [Source:HGNC Symbol;Acc:HGNC:17001]
-1,78157244	1,60E-124	2,67E-122	GREM1	gremlin 1, DAN family BMP antagonist [Source:HGNC Symbol;Acc:HGNC:2001]
-1,772337834	7,99E-13	8,60E-12	CENPI	centromere protein I [Source:HGNC Symbol;Acc:HGNC:3968]
-1,770224261	0,002713648	0,009338723	SCNN1B	sodium channel epithelial 1 beta subunit [Source:HGNC Symbol;Acc:HGNC:10600]
-1,762408447	1,50E-86	1,44E-84	TGFB3	transforming growth factor beta 3 [Source:HGNC Symbol;Acc:HGNC:11769]
-1,761970729	7,28E-24	1,39E-22	CDCA8	cell division cycle associated 8 [Source:HGNC Symbol;Acc:HGNC:14629]
-1,760626086	5,50E-24	1,06E-22	SFRP4	secreted frizzled related protein 4 [Source:HGNC Symbol;Acc:HGNC:10778]
-1,760485883	3,46E-08	2,48E-07	ZNF488	zinc finger protein 488 [Source:HGNC Symbol;Acc:HGNC:23535]
-1,760277945	1,56E-22	2,79E-21	GINS2	GINS complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:24575]

-1,752359904	3,09E-05	0,000153615	<i>POLE2</i>	DNA polymerase epsilon 2, accessory subunit [Source:HGNC Symbol;Acc:HGNC:9178]
-1,750255867	0,017206321	0,04752432	<i>KCNQ4</i>	potassium voltage-gated channel subfamily Q member 4 [Source:HGNC Symbol;Acc:HGNC:6298]
-1,749132021	8,49E-13	9,10E-12	<i>CENPK</i>	centromere protein K [Source:HGNC Symbol;Acc:HGNC:29479]
-1,744797081	0,006337593	0,019965475	<i>FLT1</i>	fms related tyrosine kinase 1 [Source:HGNC Symbol;Acc:HGNC:3763]
-1,736190368	1,61E-06	9,55E-06	<i>KCTD4</i>	potassium channel tetramerization domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23227]
-1,731771207	1,99E-135	3,95E-133	<i>IGFBP4</i>	insulin like growth factor binding protein 4 [Source:HGNC Symbol;Acc:HGNC:5473]
-1,729673716	4,88E-29	1,16E-27	<i>ASF1B</i>	anti-silencing function 1B histone chaperone [Source:HGNC Symbol;Acc:HGNC:20996]
-1,724056219	4,57E-10	3,88E-09	<i>CHD5</i>	chromodomain helicase DNA binding protein 5 [Source:HGNC Symbol;Acc:HGNC:16816]
-1,718938642	1,04E-15	1,33E-14	<i>NTF3</i>	neurotrophin 3 [Source:HGNC Symbol;Acc:HGNC:8023]
-1,708343865	2,66E-139	5,55E-137	<i>UGCG</i>	UDP-glucose ceramide glucosyltransferase [Source:HGNC Symbol;Acc:HGNC:12524]
-1,703359319	3,66E-25	7,38E-24	<i>SYNPO2</i>	synaptopodin 2 [Source:HGNC Symbol;Acc:HGNC:17732]
-1,701196469	7,58E-46	3,03E-44	<i>PTX3</i>	pentraxin 3 [Source:HGNC Symbol;Acc:HGNC:9692]
-1,699235931	6,69E-06	3,65E-05	<i>EDN2</i>	endothelin 2 [Source:HGNC Symbol;Acc:HGNC:3177]
-1,698121832	3,83E-38	1,23E-36	<i>CCNA2</i>	cyclin A2 [Source:HGNC Symbol;Acc:HGNC:1578]
-1,693348988	1,77E-06	1,04E-05	<i>IL7R</i>	interleukin 7 receptor [Source:HGNC Symbol;Acc:HGNC:6024]
-1,688699657	8,74E-10	7,22E-09	<i>PLCL1</i>	phospholipase C like 1 (inactive) [Source:HGNC Symbol;Acc:HGNC:9063]
-1,686273834	0,001683647	0,006053892	<i>HLA-F</i>	major histocompatibility complex, class I, F [Source:HGNC Symbol;Acc:HGNC:4963]
-1,680745826	1,05E-24	2,07E-23	<i>MATN2</i>	matrilin 2 [Source:HGNC Symbol;Acc:HGNC:6908]
-1,680017606	3,89E-78	3,15E-76	<i>WWC1</i>	WW and C2 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29435]
-1,679520267	1,92E-23	3,56E-22	<i>ADM2</i>	adrenomedullin 2 [Source:HGNC Symbol;Acc:HGNC:28898]
-1,677976894	5,53E-133	1,06E-130	<i>KIFC3</i>	kinesin family member C3 [Source:HGNC Symbol;Acc:HGNC:6326]
-1,677881728	1,79E-29	4,29E-28	<i>LRRCC1</i>	leucine rich repeat and coiled-coil centrosomal protein 1 [Source:HGNC Symbol;Acc:HGNC:29373]
-1,677547277	5,61E-06	3,09E-05	<i>E2F8</i>	E2F transcription factor 8 [Source:HGNC Symbol;Acc:HGNC:24727]
-1,673513051	6,53E-34	1,83E-32	<i>CEP55</i>	centrosomal protein 55 [Source:HGNC Symbol;Acc:HGNC:1161]
-1,67323216	3,30E-21	5,64E-20	<i>NCAPH</i>	non-SMC condensin I complex subunit H [Source:HGNC Symbol;Acc:HGNC:1112]
-1,672120712	5,95E-46	2,41E-44	<i>CLDN1</i>	claudin 1 [Source:HGNC Symbol;Acc:HGNC:2032]
-1,671754315	9,82E-08	6,71E-07	<i>KBTD8</i>	kelch repeat and BTB domain containing 8 [Source:HGNC Symbol;Acc:HGNC:30691]
-1,664582782	3,69E-73	2,71E-71	<i>TNFAIP3</i>	TNF alpha induced protein 3 [Source:HGNC Symbol;Acc:HGNC:11896]
-1,663183039	7,95E-08	5,48E-07	<i>KRT75</i>	keratin 75 [Source:HGNC Symbol;Acc:HGNC:24431]
-1,660242638	6,76E-35	1,97E-33	<i>GTSE1</i>	G2 and S-phase expressed 1 [Source:HGNC Symbol;Acc:HGNC:13698]
-1,660099676	1,43E-190	5,04E-188	<i>SDC4</i>	syndecan 4 [Source:HGNC Symbol;Acc:HGNC:10661]
-1,659741302	8,90E-63	5,45E-61	<i>TUFT1</i>	tuftelin 1 [Source:HGNC Symbol;Acc:HGNC:12422]
-1,65884461	3,76E-33	1,04E-31	<i>SHCBP1</i>	SHC binding and spindle associated 1 [Source:HGNC Symbol;Acc:HGNC:29547]
-1,658105744	0,009776908	0,029108725	<i>HCN4</i>	hyperpolarization activated cyclic nucleotide gated potassium channel 4 [Source:HGNC Symbol;Acc:HGNC:16882]
-1,65609667	8,70E-10	7,19E-09	<i>ITGBL1</i>	integrin subunit beta like 1 [Source:HGNC Symbol;Acc:HGNC:6164]

-1,654008646	0,001409381	0,005167286	<i>GCNT4</i>	glucosaminyl (N-acetyl) transferase 4, core 2 [Source:HGNC Symbol;Acc:HGNC:17973]
-1,651982404	1,27E-44	4,90E-43	<i>KIFC1</i>	kinesin family member C1 [Source:HGNC Symbol;Acc:HGNC:6389]
-1,651396347	1,68E-05	8,65E-05	<i>PAPPA2</i>	pappalysin 2 [Source:HGNC Symbol;Acc:HGNC:14615]
-1,650802015	2,99E-31	7,69E-30	<i>HLA-DOA</i>	major histocompatibility complex, class II, DO alpha [Source:HGNC Symbol;Acc:HGNC:4936]
-1,650212889	2,42E-231	1,43E-228	<i>CALD1</i>	caldesmon 1 [Source:HGNC Symbol;Acc:HGNC:1441]
-1,647388645	7,60E-26	1,59E-24	<i>TCF19</i>	transcription factor 19 [Source:HGNC Symbol;Acc:HGNC:11629]
-1,645377215	7,54E-23	1,37E-21	<i>PKMYT1</i>	protein kinase, membrane associated tyrosine/threonine 1 [Source:HGNC Symbol;Acc:HGNC:29650]
-1,63807686	1,14E-149	2,70E-147	<i>IFFO2</i>	intermediate filament family orphan 2 [Source:HGNC Symbol;Acc:HGNC:27006]
-1,634864559	1,37E-07	9,21E-07	<i>GPR1</i>	G protein-coupled receptor 1 [Source:HGNC Symbol;Acc:HGNC:4463]
-1,633810317	5,21E-152	1,30E-149	<i>FERMT2</i>	fermitin family member 2 [Source:HGNC Symbol;Acc:HGNC:15767]
-1,633254752	9,71E-35	2,81E-33	<i>MFSD2A</i>	major facilitator superfamily domain containing 2A [Source:HGNC Symbol;Acc:HGNC:25897]
-1,630070359	1,73E-10	1,52E-09	<i>XRCC2</i>	X-ray repair cross complementing 2 [Source:HGNC Symbol;Acc:HGNC:12829]
-1,627350033	1,25E-14	1,50E-13	<i>SCRGI</i>	stimulator of chondrogenesis 1 [Source:HGNC Symbol;Acc:HGNC:17036]
-1,626410608	3,98E-34	1,13E-32	<i>TRIP13</i>	thyroid hormone receptor interactor 13 [Source:HGNC Symbol;Acc:HGNC:12307]
-1,62088973	1,25E-23	2,35E-22	<i>ESPL1</i>	extra spindle pole bodies like 1, separase [Source:HGNC Symbol;Acc:HGNC:16856]
-1,616733997	0,009419614	0,028205066	<i>AJAP1</i>	adherens junctions associated protein 1 [Source:HGNC Symbol;Acc:HGNC:30801]
-1,616582437	0	0	<i>CCL2</i>	C-C motif chemokine ligand 2 [Source:HGNC Symbol;Acc:HGNC:10618]
-1,610412017	1,12E-06	6,78E-06	<i>ERCC6L</i>	ERCC excision repair 6 like, spindle assembly checkpoint helicase [Source:HGNC Symbol;Acc:HGNC:20794]
-1,60994375	2,51E-66	1,65E-64	<i>MKI67</i>	marker of proliferation Ki-67 [Source:HGNC Symbol;Acc:HGNC:7107]
-1,609566919	0,002205533	0,007755132	<i>MSTN</i>	myostatin [Source:HGNC Symbol;Acc:HGNC:4223]
-1,598513752	0,012999341	0,037328383	<i>TTPA</i>	alpha tocopherol transfer protein [Source:HGNC Symbol;Acc:HGNC:12404]
-1,595327741	2,36E-16	3,13E-15	<i>CDC45</i>	cell division cycle 45 [Source:HGNC Symbol;Acc:HGNC:1739]
-1,594693848	0,011483992	0,033552897	<i>MKX</i>	mohawk homeobox [Source:HGNC Symbol;Acc:HGNC:23729]
-1,594259091	1,05E-61	6,33E-60	<i>SEMA3F</i>	semaphorin 3F [Source:HGNC Symbol;Acc:HGNC:10728]
-1,584772503	7,55E-44	2,85E-42	<i>TSPAN18</i>	tetraspanin 18 [Source:HGNC Symbol;Acc:HGNC:20660]
-1,582914779	1,21E-06	7,32E-06	<i>FILIP1</i>	filamin A interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:21015]
-1,575220676	3,00E-07	1,94E-06	<i>STOX1</i>	storkhead box 1 [Source:HGNC Symbol;Acc:HGNC:23508]
-1,574165814	1,19E-220	5,94E-218	<i>SERPINE1</i>	serpin family E member 1 [Source:HGNC Symbol;Acc:HGNC:8583]
-1,57313203	6,37E-19	9,79E-18	<i>PKP2</i>	plakophilin 2 [Source:HGNC Symbol;Acc:HGNC:9024]
-1,570672199	0,00237285	0,00828044	<i>TNNC1</i>	troponin C1, slow skeletal and cardiac type [Source:HGNC Symbol;Acc:HGNC:11943]
-1,570139027	1,06E-14	1,28E-13	<i>CDC25A</i>	cell division cycle 25A [Source:HGNC Symbol;Acc:HGNC:1725]
-1,563260448	3,50E-05	0,000172564	<i>MRPS24</i>	mitochondrial ribosomal protein S24 [Source:HGNC Symbol;Acc:HGNC:14510]
-1,561996596	6,00E-09	4,61E-08	<i>PRSS35</i>	serine protease 35 [Source:HGNC Symbol;Acc:HGNC:21387]
-1,561741606	7,20E-50	3,22E-48	<i>DMD</i>	dystrophin [Source:HGNC Symbol;Acc:HGNC:2928]

-1,560278004	1,44E-15	1,82E-14	MAOB	monoamine oxidase B [Source:HGNC Symbol;Acc:HGNC:6834]
-1,559852721	0,002694895	0,009277477	C15orf48	chromosome 15 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:29898]
-1,554518394	2,09E-31	5,41E-30	ICAM1	intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:5344]
-1,552201696	1,32E-08	9,86E-08	C21orf62	chromosome 21 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:1305]
-1,551245037	7,65E-40	2,56E-38	CIITA	class II major histocompatibility complex transactivator [Source:HGNC Symbol;Acc:HGNC:7067]
-1,551093118	4,25E-39	1,40E-37	ENTPD7	ectonucleoside triphosphate diphosphohydrolase 7 [Source:HGNC Symbol;Acc:HGNC:19745]
-1,550913411	3,92E-184	1,34E-181	FLNA	filamin A [Source:HGNC Symbol;Acc:HGNC:3754]
-1,55034752	1,87E-130	3,50E-128	NXN	nucleoredoxin [Source:HGNC Symbol;Acc:HGNC:18008]
-1,548284844	5,80E-05	0,000277127	RARRES2	retinoic acid receptor responder 2 [Source:HGNC Symbol;Acc:HGNC:9868]
-1,547201872	5,64E-123	9,05E-121	IER3	immediate early response 3 [Source:HGNC Symbol;Acc:HGNC:5392]
-1,546227628	7,97E-86	7,51E-84	TNFAIP2	TNF alpha induced protein 2 [Source:HGNC Symbol;Acc:HGNC:11895]
-1,546063564	4,52E-13	4,96E-12	SKA3	spindle and kinetochore associated complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:20262]
-1,543143701	3,23E-90	3,27E-88	BOK	BOK, BCL2 family apoptosis regulator [Source:HGNC Symbol;Acc:HGNC:1087]
-1,540753089	9,04E-07	5,54E-06	SIAH3	siah E3 ubiquitin protein ligase family member 3 [Source:HGNC Symbol;Acc:HGNC:30553]
-1,540617219	8,24E-47	3,42E-45	ID1	inhibitor of DNA binding 1, HLH protein [Source:HGNC Symbol;Acc:HGNC:5360]
-1,539461844	4,69E-96	5,29E-94	SAMD4A	sterile alpha motif domain containing 4A [Source:HGNC Symbol;Acc:HGNC:23023]
-1,536468854	0,000789047	0,003058777	AQP4	aquaporin 4 [Source:HGNC Symbol;Acc:HGNC:637]
-1,536038526	6,16E-52	2,84E-50	LRRN3	leucine rich repeat neuronal 3 [Source:HGNC Symbol;Acc:HGNC:17200]
-1,535254801	1,84E-30	4,60E-29	RAPH1	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 [Source:HGNC Symbol;Acc:HGNC:14436]
-1,533608432	0,000309671	0,001289587	ELOVL7	ELOVL fatty acid elongase 7 [Source:HGNC Symbol;Acc:HGNC:26292]
-1,532429693	7,62E-62	4,59E-60	DYSF	dysferlin [Source:HGNC Symbol;Acc:HGNC:3097]
-1,532340836	6,47E-10	5,42E-09	MAP3K7CL	MAP3K7 C-terminal like [Source:HGNC Symbol;Acc:HGNC:16457]
-1,531439072	1,33E-150	3,27E-148	ARSJ	arylsulfatase family member J [Source:HGNC Symbol;Acc:HGNC:26286]
-1,531224851	1,77E-17	2,52E-16	PIMREG	PICALM interacting mitotic regulator [Source:HGNC Symbol;Acc:HGNC:25483]
-1,530456672	1,40E-55	7,13E-54	INHBA	inhibin subunit beta A [Source:HGNC Symbol;Acc:HGNC:6066]
-1,527376819	0,001399063	0,00513528	CD180	CD180 molecule [Source:HGNC Symbol;Acc:HGNC:6726]
-1,526677509	0,013995548	0,039800351	FLRT1	fibronectin leucine rich transmembrane protein 1 [Source:HGNC Symbol;Acc:HGNC:3760]
-1,524090419	6,91E-114	1,02E-111	UAP1	UDP-N-acetylglucosamine pyrophosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:12457]
-1,523449881	0,001395887	0,005124591	TACSTD2	tumor associated calcium signal transducer 2 [Source:HGNC Symbol;Acc:HGNC:11530]
-1,521169842	4,50E-05	0,000218534	IL4I1	interleukin 4 induced 1 [Source:HGNC Symbol;Acc:HGNC:19094]
-1,518449724	3,40E-277	3,14E-274	TPM2	tropomyosin 2 [Source:HGNC Symbol;Acc:HGNC:12011]
-1,518159419	3,73E-82	3,26E-80	VASN	vasorin [Source:HGNC Symbol;Acc:HGNC:18517]
-1,517781475	1,09E-08	8,18E-08	ZNF367	zinc finger protein 367 [Source:HGNC Symbol;Acc:HGNC:18320]
-1,516740152	3,87E-12	3,91E-11	ESCO2	establishment of sister chromatid cohesion N-acetyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:27230]

-1,51436288	0,009021106	0,02717113	CALB2	calbindin 2 [Source:HGNC Symbol;Acc:HGNC:1435]
-1,51415209	1,62E-33	4,50E-32	ANOS1	anosmin 1 [Source:HGNC Symbol;Acc:HGNC:6211]
-1,51248538	4,09E-89	4,09E-87	CDO1	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]
-1,510269074	0,009519438	0,028451289	CP	ceruloplasmin [Source:HGNC Symbol;Acc:HGNC:2295]
-1,510055742	5,03E-17	6,96E-16	SLC16A7	solute carrier family 16 member 7 [Source:HGNC Symbol;Acc:HGNC:10928]
-1,509170409	6,71E-142	1,46E-139	HEG1	heart development protein with EGF like domains 1 [Source:HGNC Symbol;Acc:HGNC:29227]
-1,508167982	1,26E-08	9,43E-08	CENPA	centromere protein A [Source:HGNC Symbol;Acc:HGNC:1851]
-1,506150811	2,55E-09	2,02E-08	POLQ	DNA polymerase theta [Source:HGNC Symbol;Acc:HGNC:9186]
-1,506016127	2,11E-16	2,80E-15	MAP3K21	mitogen-activated protein kinase kinase kinase 21 [Source:HGNC Symbol;Acc:HGNC:29798]
-1,505055195	4,01E-23	7,37E-22	CHAC1	ChaC glutathione specific gamma-glutamylcyclotransferase 1 [Source:HGNC Symbol;Acc:HGNC:28680]
-1,504011563	6,12E-199	2,28E-196	TNFRSF12A	TNF receptor superfamily member 12A [Source:HGNC Symbol;Acc:HGNC:18152]
-1,50242541	3,88E-11	3,60E-10	CENPM	centromere protein M [Source:HGNC Symbol;Acc:HGNC:18352]
-1,500467344	8,85E-11	7,93E-10	NOX4	NADPH oxidase 4 [Source:HGNC Symbol;Acc:HGNC:7891]
-1,499886722	0,000197222	0,000852972	SEMA3D	semaphorin 3D [Source:HGNC Symbol;Acc:HGNC:10726]
-1,499561437	5,45E-77	4,22E-75	NNMT	nicotinamide N-methyltransferase [Source:HGNC Symbol;Acc:HGNC:7861]
-1,499551968	2,30E-48	9,86E-47	RGS4	regulator of G protein signaling 4 [Source:HGNC Symbol;Acc:HGNC:10000]
-1,496161956	1,51E-09	1,22E-08	BEND4	BEN domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23815]
-1,492798673	4,46E-218	2,11E-215	MCAM	melanoma cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:6934]
-1,491375957	4,52E-14	5,28E-13	CERKL	ceramide kinase like [Source:HGNC Symbol;Acc:HGNC:21699]
-1,487572998	2,76E-25	5,60E-24	UBE2C	ubiquitin conjugating enzyme E2 C [Source:HGNC Symbol;Acc:HGNC:15937]
-1,486455296	9,15E-98	1,06E-95	RSU1	Ras suppressor protein 1 [Source:HGNC Symbol;Acc:HGNC:10464]
-1,486258901	0,01467092	0,041375363	TNNT2	troponin T2, cardiac type [Source:HGNC Symbol;Acc:HGNC:11949]
-1,485029945	1,83E-23	3,41E-22	WNT2B	Wnt family member 2B [Source:HGNC Symbol;Acc:HGNC:12781]
-1,484677942	2,64E-05	0,000132551	SGO1	shugoshin 1 [Source:HGNC Symbol;Acc:HGNC:25088]
-1,484581098	0,002301819	0,008055745	MICB	MHC class I polypeptide-related sequence B [Source:HGNC Symbol;Acc:HGNC:7091]
-1,48446816	5,87E-09	4,51E-08	EXO1	exonuclease 1 [Source:HGNC Symbol;Acc:HGNC:3511]
-1,482939208	0,000528073	0,00210903	NEIL3	nei like DNA glycosylase 3 [Source:HGNC Symbol;Acc:HGNC:24573]
-1,480600139	6,56E-05	0,000310148	CCDC160	coiled-coil domain containing 160 [Source:HGNC Symbol;Acc:HGNC:37286]
-1,477604999	9,70E-21	1,62E-19	GINS1	GINS complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:28980]
-1,476925215	2,34E-22	4,17E-21	KIF2C	kinesin family member 2C [Source:HGNC Symbol;Acc:HGNC:6393]
-1,471426624	1,14E-23	2,14E-22	TEAD4	TEA domain transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:11717]
-1,470611434	2,95E-11	2,77E-10	CCDC3	coiled-coil domain containing 3 [Source:HGNC Symbol;Acc:HGNC:23813]
-1,469620274	3,96E-16	5,16E-15	SPTBN5	spectrin beta, non-erythrocytic 5 [Source:HGNC Symbol;Acc:HGNC:15680]
-1,468378167	2,66E-283	2,58E-280	CNN2	calponin 2 [Source:HGNC Symbol;Acc:HGNC:2156]

-1,467652426	3,63E-48	1,56E-46	<i>DLC1</i>	DLC1 Rho GTPase activating protein [Source:HGNC Symbol;Acc:HGNC:2897]
-1,463480021	1,86E-51	8,49E-50	<i>ATP8B1</i>	ATPase phospholipid transporting 8B1 [Source:HGNC Symbol;Acc:HGNC:3706]
-1,460900704	1,96E-108	2,59E-106	<i>TGFB2</i>	transforming growth factor beta 2 [Source:HGNC Symbol;Acc:HGNC:11768]
-1,459530992	0,002162195	0,007616548	<i>CYP26B1</i>	cytochrome P450 family 26 subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:20581]
-1,455854751	8,06E-110	1,09E-107	<i>MMP15</i>	matrix metalloproteinase 15 [Source:HGNC Symbol;Acc:HGNC:7161]
-1,454152776	7,03E-26	1,47E-24	<i>SGMS2</i>	sphingomyelin synthase 2 [Source:HGNC Symbol;Acc:HGNC:28395]
-1,453798349	1,87E-06	1,10E-05	<i>HASPIN</i>	histone H3 associated protein kinase [Source:HGNC Symbol;Acc:HGNC:19682]
-1,45267289	1,82E-15	2,29E-14	<i>PI15</i>	peptidase inhibitor 15 [Source:HGNC Symbol;Acc:HGNC:8946]
-1,44907822	8,09E-16	1,04E-14	<i>FANCD2</i>	FA complementation group D2 [Source:HGNC Symbol;Acc:HGNC:3585]
-1,44789246	4,20E-31	1,07E-29	<i>ZWINT</i>	ZW10 interacting kinetochore protein [Source:HGNC Symbol;Acc:HGNC:13195]
-1,447605446	2,79E-09	2,21E-08	<i>TUNAR</i>	TCL1 upstream neural differentiation-associated RNA [Source:HGNC Symbol;Acc:HGNC:44088]
-1,446752615	2,44E-07	1,59E-06	<i>RAD54L</i>	RAD54 like [Source:HGNC Symbol;Acc:HGNC:9826]
-1,445817704	9,02E-36	2,69E-34	<i>GATA6</i>	GATA binding protein 6 [Source:HGNC Symbol;Acc:HGNC:4174]
-1,44580098	0,006125569	0,019369855	<i>PALM2-AKAP2</i>	PALM2-AKAP2 readthrough [Source:HGNC Symbol;Acc:HGNC:33529]
-1,444997387	2,50E-28	5,74E-27	<i>CD70</i>	CD70 molecule [Source:HGNC Symbol;Acc:HGNC:11937]
-1,444065784	0,000211903	0,000909577	<i>ECM2</i>	extracellular matrix protein 2 [Source:HGNC Symbol;Acc:HGNC:3154]
-1,443262397	4,91E-14	5,70E-13	<i>NUF2</i>	NUF2, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:14621]
-1,440418984	1,79E-07	1,18E-06	<i>DES</i>	desmin [Source:HGNC Symbol;Acc:HGNC:2770]
-1,439238766	2,10E-224	1,10E-221	<i>ACTN1</i>	actinin alpha 1 [Source:HGNC Symbol;Acc:HGNC:163]
-1,438379755	0,006749874	0,021072723	<i>KCNJ3</i>	potassium voltage-gated channel subfamily J member 3 [Source:HGNC Symbol;Acc:HGNC:6264]
-1,435339909	7,07E-40	2,37E-38	<i>PLEKHA7</i>	pleckstrin homology domain containing A7 [Source:HGNC Symbol;Acc:HGNC:27049]
-1,435165029	0,000164401	0,000722294	<i>DIO2</i>	iodothyronine deiodinase 2 [Source:HGNC Symbol;Acc:HGNC:2884]
-1,430323829	8,81E-24	1,67E-22	<i>E2F1</i>	E2F transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:3113]
-1,428571418	1,35E-05	7,02E-05	<i>ARHGDIB</i>	Rho GDP dissociation inhibitor beta [Source:HGNC Symbol;Acc:HGNC:679]
-1,428144126	8,51E-12	8,32E-11	<i>SRGN</i>	serglycin [Source:HGNC Symbol;Acc:HGNC:9361]
-1,42730888	1,16E-128	2,11E-126	<i>TUBB6</i>	tubulin beta 6 class V [Source:HGNC Symbol;Acc:HGNC:20776]
-1,426397056	1,01E-12	1,08E-11	<i>UBE2T</i>	ubiquitin conjugating enzyme E2 T [Source:HGNC Symbol;Acc:HGNC:25009]
-1,423497843	2,03E-87	1,98E-85	<i>SFRP2</i>	secreted frizzled related protein 2 [Source:HGNC Symbol;Acc:HGNC:10777]
-1,421199082	5,67E-33	1,55E-31	<i>PLK1</i>	polo like kinase 1 [Source:HGNC Symbol;Acc:HGNC:9077]
-1,420452811	1,26E-17	1,81E-16	<i>STRIP2</i>	striatin interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:22209]
-1,419311091	1,37E-13	1,54E-12	<i>NDC80</i>	NDC80, kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16909]
-1,41545509	1,31E-13	1,48E-12	<i>TROAP</i>	trophinin associated protein [Source:HGNC Symbol;Acc:HGNC:12327]
-1,413065942	1,37E-28	3,18E-27	<i>CDCA5</i>	cell division cycle associated 5 [Source:HGNC Symbol;Acc:HGNC:14626]

-1,412239682	2,51E-150	6,01E-148	RANGAP1	Ran GTPase activating protein 1 [Source:HGNC Symbol;Acc:HGNC:9854]
-1,41183406	5,39E-29	1,27E-27	STAC	SH3 and cysteine rich domain [Source:HGNC Symbol;Acc:HGNC:11353]
-1,410983746	0,001675372	0,006029722	AUNIP	aurora kinase A and ninein interacting protein [Source:HGNC Symbol;Acc:HGNC:28363]
-1,406770258	2,10E-32	5,64E-31	TK1	thymidine kinase 1 [Source:HGNC Symbol;Acc:HGNC:11830]
-1,405845474	2,69E-39	8,90E-38	TENM2	teneurin transmembrane protein 2 [Source:HGNC Symbol;Acc:HGNC:29943]
-1,40485372	2,11E-27	4,65E-26	VCAM1	vascular cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:12663]
-1,402209206	1,96E-14	2,33E-13	WDR62	WD repeat domain 62 [Source:HGNC Symbol;Acc:HGNC:24502]
-1,397740372	6,11E-24	1,17E-22	MELK	maternal embryonic leucine zipper kinase [Source:HGNC Symbol;Acc:HGNC:16870]
-1,397121842	3,38E-24	6,59E-23	CDK1	cyclin dependent kinase 1 [Source:HGNC Symbol;Acc:HGNC:1722]
-1,396905116	4,56E-40	1,54E-38	NUAK2	NUAK family kinase 2 [Source:HGNC Symbol;Acc:HGNC:29558]
-1,396404054	2,69E-85	2,50E-83	PVR	poliovirus receptor [Source:HGNC Symbol;Acc:HGNC:9705]
-1,396024419	3,68E-23	6,79E-22	ELN	elastin [Source:HGNC Symbol;Acc:HGNC:3327]
-1,394559857	2,48E-26	5,25E-25	MUC1	mucin 1, cell surface associated [Source:HGNC Symbol;Acc:HGNC:7508]
-1,385134804	2,19E-25	4,46E-24	TBC1D2	TBC1 domain family member 2 [Source:HGNC Symbol;Acc:HGNC:18026]
-1,384499153	9,72E-61	5,70E-59	NTRK3	neurotrophic receptor tyrosine kinase 3 [Source:HGNC Symbol;Acc:HGNC:8033]
-1,381568957	7,08E-12	6,95E-11	HOXA3	homeobox A3 [Source:HGNC Symbol;Acc:HGNC:5104]
-1,380373303	2,91E-30	7,22E-29	KIF20A	kinesin family member 20A [Source:HGNC Symbol;Acc:HGNC:9787]
-1,379647312	1,08E-238	6,76E-236	CSRP1	cysteine and glycine rich protein 1 [Source:HGNC Symbol;Acc:HGNC:2469]
-1,376996809	1,35E-25	2,80E-24	BUB1B	BUB1 mitotic checkpoint serine/threonine kinase B [Source:HGNC Symbol;Acc:HGNC:1149]
-1,375680287	1,55E-28	3,59E-27	ARHGAP11A	Rho GTPase activating protein 11A [Source:HGNC Symbol;Acc:HGNC:15783]
-1,375112535	1,80E-16	2,40E-15	PBK	PDZ binding kinase [Source:HGNC Symbol;Acc:HGNC:18282]
-1,372483493	1,94E-19	3,06E-18	HJURP	Holliday junction recognition protein [Source:HGNC Symbol;Acc:HGNC:25444]
-1,371590642	0,002663092	0,009179389	ARMC4	armadillo repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:25583]
-1,370326203	5,44E-12	5,43E-11	SLF1	SMC5-SMC6 complex localization factor 1 [Source:HGNC Symbol;Acc:HGNC:25408]
-1,369490344	5,75E-07	3,59E-06	POLA2	DNA polymerase alpha 2, accessory subunit [Source:HGNC Symbol;Acc:HGNC:30073]
-1,366434092	1,31E-59	7,44E-58	TPX2	TPX2, microtubule nucleation factor [Source:HGNC Symbol;Acc:HGNC:1249]
-1,364281278	0,01200124	0,034860275	IL6	interleukin 6 [Source:HGNC Symbol;Acc:HGNC:6018]
-1,364193987	0,015470458	0,043359287	TRIM55	tripartite motif containing 55 [Source:HGNC Symbol;Acc:HGNC:14215]
-1,363464708	2,23E-05	0,000113083	MGAT4C	MGAT4 family member C [Source:HGNC Symbol;Acc:HGNC:30871]
-1,362114822	1,79E-54	8,89E-53	ID3	inhibitor of DNA binding 3, HLH protein [Source:HGNC Symbol;Acc:HGNC:5362]
-1,359828687	4,87E-79	3,99E-77	TOP2A	DNA topoisomerase II alpha [Source:HGNC Symbol;Acc:HGNC:11989]
-1,359313929	8,33E-07	5,12E-06	SYDE2	synapse defective Rho GTPase homolog 2 [Source:HGNC Symbol;Acc:HGNC:25841]

-1,357001095	3,49E-06	1,98E-05	SKA1	spindle and kinetochore associated complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:28109]
-1,355619171	1,57E-09	1,26E-08	A2M	alpha-2-macroglobulin [Source:HGNC Symbol;Acc:HGNC:7]
-1,354716325	4,77E-11	4,38E-10	HPD	4-hydroxyphenylpyruvate dioxygenase [Source:HGNC Symbol;Acc:HGNC:5147]
-1,351763471	2,21E-104	2,82E-102	RHOB	ras homolog family member B [Source:HGNC Symbol;Acc:HGNC:668]
-1,349742998	1,74E-36	5,37E-35	HACD1	3-hydroxyacyl-CoA dehydratase 1 [Source:HGNC Symbol;Acc:HGNC:9639]
-1,348904871	0,000220013	0,000941262	HOXA5	homeobox A5 [Source:HGNC Symbol;Acc:HGNC:5106]
-1,348611062	4,58E-130	8,46E-128	PDLIM5	PDZ and LIM domain 5 [Source:HGNC Symbol;Acc:HGNC:17468]
-1,348396397	4,53E-97	5,20E-95	LIF	LIF, interleukin 6 family cytokine [Source:HGNC Symbol;Acc:HGNC:6596]
-1,348244747	6,32E-38	2,01E-36	PAMR1	peptidase domain containing associated with muscle regeneration 1 [Source:HGNC Symbol;Acc:HGNC:24554]
-1,348180935	1,13E-08	8,49E-08	ABCB1	ATP binding cassette subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:40]
-1,345928719	9,42E-08	6,44E-07	DEPDC1B	DEP domain containing 1B [Source:HGNC Symbol;Acc:HGNC:24902]
-1,345505636	0,005586567	0,017819347	PABPC4L	poly(A) binding protein cytoplasmic 4 like [Source:HGNC Symbol;Acc:HGNC:31955]
-1,345012324	1,96E-146	4,42E-144	FSTL1	folliculin like 1 [Source:HGNC Symbol;Acc:HGNC:3972]
-1,344811134	8,24E-97	9,41E-95	PPME1	protein phosphatase methylesterase 1 [Source:HGNC Symbol;Acc:HGNC:30178]
-1,343154504	7,05E-12	6,93E-11	KIF15	kinesin family member 15 [Source:HGNC Symbol;Acc:HGNC:17273]
-1,342759508	2,58E-07	1,68E-06	PRELID2	PRELI domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28306]
-1,341409773	2,39E-64	1,53E-62	FGF2	fibroblast growth factor 2 [Source:HGNC Symbol;Acc:HGNC:3676]
-1,340018072	1,38E-74	1,02E-72	IGFBP3	insulin like growth factor binding protein 3 [Source:HGNC Symbol;Acc:HGNC:5472]
-1,338984121	1,38E-112	2,00E-110	MYADM	myeloid associated differentiation marker [Source:HGNC Symbol;Acc:HGNC:7544]
-1,338521372	3,85E-15	4,75E-14	PPP1R13L	protein phosphatase 1 regulatory subunit 13 like [Source:HGNC Symbol;Acc:HGNC:18838]
-1,337044803	1,70E-13	1,92E-12	DEPDC1	DEP domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22949]
-1,336263831	1,75E-62	1,07E-60	HACD2	3-hydroxyacyl-CoA dehydratase 2 [Source:HGNC Symbol;Acc:HGNC:9640]
-1,335802208	6,48E-56	3,33E-54	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:HGNC Symbol;Acc:HGNC:7434]
-1,335724005	5,97E-16	7,71E-15	CD274	CD274 molecule [Source:HGNC Symbol;Acc:HGNC:17635]
-1,334614447	9,16E-18	1,33E-16	ELMO1	engulfment and cell motility 1 [Source:HGNC Symbol;Acc:HGNC:16286]
-1,330121183	5,75E-06	3,17E-05	SLC26A7	solute carrier family 26 member 7 [Source:HGNC Symbol;Acc:HGNC:14467]
-1,325145427	8,15E-10	6,76E-09	KIF18A	kinesin family member 18A [Source:HGNC Symbol;Acc:HGNC:29441]
-1,323033875	0,000320213	0,001330063	RARRES1	retinoic acid receptor responder 1 [Source:HGNC Symbol;Acc:HGNC:9867]
-1,322841355	1,14E-20	1,90E-19	NOCT	nocturnin [Source:HGNC Symbol;Acc:HGNC:14254]
-1,322695014	1,42E-07	9,50E-07	DEPP1	DEPP1, autophagy regulator [Source:HGNC Symbol;Acc:HGNC:23355]
-1,322626025	7,31E-100	8,71E-98	TMTC1	transmembrane and tetratricopeptide repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:24099]
-1,320382441	1,84E-103	2,32E-101	CDC42EP1	CDC42 effector protein 1 [Source:HGNC Symbol;Acc:HGNC:17014]

-1,319761801	9,33E-08	6,38E-07	<i>CYP46A1</i>	cytochrome P450 family 46 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2641]
-1,319177252	1,17E-239	7,58E-237	<i>PDLIM7</i>	PDZ and LIM domain 7 [Source:HGNC Symbol;Acc:HGNC:22958]
-1,318801451	1,67E-72	1,21E-70	<i>UHRF1</i>	ubiquitin like with PHD and ring finger domains 1 [Source:HGNC Symbol;Acc:HGNC:12556]
-1,317957609	3,75E-64	2,38E-62	<i>GLIPR2</i>	GLI pathogenesis related 2 [Source:HGNC Symbol;Acc:HGNC:18007]
-1,317342316	3,84E-85	3,54E-83	<i>CCDC80</i>	coiled-coil domain containing 80 [Source:HGNC Symbol;Acc:HGNC:30649]
-1,310742268	2,13E-18	3,18E-17	<i>ADAMTSL4</i>	ADAMTS like 4 [Source:HGNC Symbol;Acc:HGNC:19706]
-1,308626838	3,75E-06	2,11E-05	<i>CORO2A</i>	coronin 2A [Source:HGNC Symbol;Acc:HGNC:2255]
-1,306672464	0,005994193	0,018995137	<i>ZFP92</i>	ZFP92 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:12865]
-1,306318409	0,000235691	0,00100303	<i>S100A3</i>	S100 calcium binding protein A3 [Source:HGNC Symbol;Acc:HGNC:10493]
-1,305866972	0,002457392	0,008550861	<i>CACNG5</i>	calcium voltage-gated channel auxiliary subunit gamma 5 [Source:HGNC Symbol;Acc:HGNC:1409]
-1,304649766	0,000541473	0,002158108	<i>RASL11B</i>	RAS like family 11 member B [Source:HGNC Symbol;Acc:HGNC:23804]
-1,30418161	3,63E-52	1,69E-50	<i>ALDH1B1</i>	aldehyde dehydrogenase 1 family member B1 [Source:HGNC Symbol;Acc:HGNC:407]
-1,303816582	3,10E-82	2,74E-80	<i>ARID5B</i>	AT-rich interaction domain 5B [Source:HGNC Symbol;Acc:HGNC:17362]
-1,303563498	2,09E-16	2,78E-15	<i>FBN1</i>	fibrillin 1 [Source:HGNC Symbol;Acc:HGNC:3603]
-1,300533938	3,38E-159	9,12E-157	<i>CAVIN1</i>	caveolae associated protein 1 [Source:HGNC Symbol;Acc:HGNC:9688]
-1,300004282	0,000328882	0,001362864	<i>STAC2</i>	SH3 and cysteine rich domain 2 [Source:HGNC Symbol;Acc:HGNC:23990]
-1,299706197	3,34E-05	0,00016506	<i>MTBP</i>	MDM2 binding protein [Source:HGNC Symbol;Acc:HGNC:7417]
-1,297659052	7,92E-98	9,25E-96	<i>NOL6</i>	nucleolar protein 6 [Source:HGNC Symbol;Acc:HGNC:19910]
-1,29722846	1,07E-48	4,61E-47	<i>ARRDC4</i>	arrestin domain containing 4 [Source:HGNC Symbol;Acc:HGNC:28087]
-1,296852859	1,93E-32	5,21E-31	<i>DOP1B</i>	DOP1 leucine zipper like protein B [Source:HGNC Symbol;Acc:HGNC:1291]
-1,29585044	1,06E-09	8,72E-09	<i>CPM</i>	carboxypeptidase M [Source:HGNC Symbol;Acc:HGNC:2311]
-1,295763648	2,87E-16	3,79E-15	<i>MOK</i>	MOK protein kinase [Source:HGNC Symbol;Acc:HGNC:9833]
-1,295667149	8,81E-12	8,60E-11	<i>CHAF1B</i>	chromatin assembly factor 1 subunit B [Source:HGNC Symbol;Acc:HGNC:1911]
-1,294136621	2,48E-127	4,30E-125	<i>LOXL2</i>	lysyl oxidase like 2 [Source:HGNC Symbol;Acc:HGNC:6666]
-1,293965692	9,43E-08	6,45E-07	<i>PSMC3IP</i>	PSMC3 interacting protein [Source:HGNC Symbol;Acc:HGNC:17928]
-1,293217618	5,82E-09	4,48E-08	<i>ZNF536</i>	zinc finger protein 536 [Source:HGNC Symbol;Acc:HGNC:29025]
-1,29193549	5,28E-59	2,94E-57	<i>PRPS1</i>	phosphoribosyl pyrophosphate synthetase 1 [Source:HGNC Symbol;Acc:HGNC:9462]
-1,291422754	2,05E-39	6,79E-38	<i>CDC20</i>	cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1723]
-1,29053992	1,43E-31	3,73E-30	<i>GDPD5</i>	glycerophosphodiester phosphodiesterase domain containing 5 [Source:HGNC Symbol;Acc:HGNC:28804]
-1,284753098	0,014662148	0,041356635	<i>AC091057,6</i>	Rho GTPase-activating protein 11B [Source:UniProtKB/Swiss-Prot;Acc:Q3KRB8]
-1,281400113	3,56E-42	1,28E-40	<i>TRNP1</i>	TMF1-regulated nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:34348]
-1,280357712	2,02E-05	0,000103226	<i>SLCO1C1</i>	solute carrier organic anion transporter family member 1C1 [Source:HGNC Symbol;Acc:HGNC:13819]

-1,279144202	6,53E-31	1,66E-29	KRT18	keratin 18 [Source:HGNC Symbol;Acc:HGNC:6430]
-1,278390466	1,69E-40	5,78E-39	ITGA4	integrin subunit alpha 4 [Source:HGNC Symbol;Acc:HGNC:6140]
-1,278003942	4,60E-32	1,22E-30	ATAD2	ATPase family, AAA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30123]
-1,277905227	2,28E-08	1,66E-07	NEK2	NIMA related kinase 2 [Source:HGNC Symbol;Acc:HGNC:7745]
-1,276827329	3,01E-21	5,15E-20	DLGAP5	DLG associated protein 5 [Source:HGNC Symbol;Acc:HGNC:16864]
-1,275595984	2,81E-39	9,29E-38	RFLNB	refilin B [Source:HGNC Symbol;Acc:HGNC:28705]
-1,270763648	6,14E-10	5,15E-09	PLK4	polo like kinase 4 [Source:HGNC Symbol;Acc:HGNC:11397]
-1,270405593	0,018091819	0,04963102	NKX2-2	NK2 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:7835]
-1,268711381	1,88E-51	8,60E-50	CTPS1	CTP synthase 1 [Source:HGNC Symbol;Acc:HGNC:2519]
-1,267151097	2,15E-12	2,23E-11	WNK4	WNK lysine deficient protein kinase 4 [Source:HGNC Symbol;Acc:HGNC:14544]
-1,265419031	1,26E-10	1,12E-09	SMCO4	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]
-1,265183995	0,00075037	0,002919341	BORA	bora, aurora kinase A activator [Source:HGNC Symbol;Acc:HGNC:24724]
-1,26219184	1,86E-05	9,50E-05	CEP128	centrosomal protein 128 [Source:HGNC Symbol;Acc:HGNC:20359]
-1,261876481	8,30E-75	6,20E-73	PDLIM1	PDZ and LIM domain 1 [Source:HGNC Symbol;Acc:HGNC:2067]
-1,260455265	3,44E-15	4,26E-14	FST	follistatin [Source:HGNC Symbol;Acc:HGNC:3971]
-1,259259792	1,06E-58	5,84E-57	LIMCH1	LIM and calponin homology domains 1 [Source:HGNC Symbol;Acc:HGNC:29191]
-1,254637979	3,97E-05	0,00019452	CASZ1	castor zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:26002]
-1,254615778	2,46E-17	3,48E-16	HELLS	helicase, lymphoid specific [Source:HGNC Symbol;Acc:HGNC:4861]
-1,254535196	3,22E-09	2,54E-08	WDR76	WD repeat domain 76 [Source:HGNC Symbol;Acc:HGNC:25773]
-1,254379991	5,31E-28	1,20E-26	TMEM178A	transmembrane protein 178A [Source:HGNC Symbol;Acc:HGNC:28517]
-1,250876765	3,28E-12	3,34E-11	ADAMTS16	ADAM metalloproteinase with thrombospondin type 1 motif 16 [Source:HGNC Symbol;Acc:HGNC:17108]
-1,250159956	9,71E-31	2,45E-29	BIRC5	baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:593]
-1,250102272	4,37E-121	6,84E-119	CRIM1	cysteine rich transmembrane BMP regulator 1 [Source:HGNC Symbol;Acc:HGNC:2359]
-1,249783847	1,21E-35	3,58E-34	FLG	filaggrin [Source:HGNC Symbol;Acc:HGNC:3748]
-1,24930892	0,000182638	0,000795751	CCNE2	cyclin E2 [Source:HGNC Symbol;Acc:HGNC:1590]
-1,248539026	1,30E-07	8,74E-07	RAD51AP1	RAD51 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:16956]
-1,248095966	0,000677038	0,002659099	CDK15	cyclin dependent kinase 15 [Source:HGNC Symbol;Acc:HGNC:14434]
-1,247127119	7,15E-46	2,87E-44	PSRC1	proline and serine rich coiled-coil 1 [Source:HGNC Symbol;Acc:HGNC:24472]
-1,247045845	4,34E-21	7,37E-20	PEAR1	platelet endothelial aggregation receptor 1 [Source:HGNC Symbol;Acc:HGNC:33631]
-1,246391265	2,35E-41	8,26E-40	PXDC1	PX domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21361]
-1,246311208	0,002326672	0,008132456	NCKAP5	NCK associated protein 5 [Source:HGNC Symbol;Acc:HGNC:29847]
-1,244479457	1,74E-228	9,95E-226	ZYX	zyxin [Source:HGNC Symbol;Acc:HGNC:13200]
-1,242361555	1,78E-05	9,15E-05	TGM1	transglutaminase 1 [Source:HGNC Symbol;Acc:HGNC:11777]
-1,242285777	1,96E-61	1,17E-59	DUSP1	dual specificity phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3064]

-1,2408562	1,11E-12	1,18E-11	FAM83D	family with sequence similarity 83 member D [Source:HGNC Symbol;Acc:HGNC:16122]
-1,23792129	4,65E-61	2,74E-59	SYNPO	synaptopodin [Source:HGNC Symbol;Acc:HGNC:30672]
-1,233743262	4,58E-05	0,000221945	KCNE1B	potassium voltage-gated channel subfamily E regulatory subunit 1B [Source:HGNC Symbol;Acc:HGNC:52280]
-1,233153193	0,000135627	0,000606026	TRIM17	tripartite motif containing 17 [Source:HGNC Symbol;Acc:HGNC:13430]
-1,231304791	3,07E-08	2,20E-07	CALHM5	calcium homeostasis modulator family member 5 [Source:HGNC Symbol;Acc:HGNC:21568]
-1,226609614	2,05E-14	2,43E-13	SH2D4A	SH2 domain containing 4A [Source:HGNC Symbol;Acc:HGNC:26102]
-1,222756661	3,19E-12	3,26E-11	CKAP2L	cytoskeleton associated protein 2 like [Source:HGNC Symbol;Acc:HGNC:26877]
-1,220796211	3,31E-14	3,90E-13	ORC6	origin recognition complex subunit 6 [Source:HGNC Symbol;Acc:HGNC:17151]
-1,220666246	4,97E-33	1,36E-31	SPDL1	spindle apparatus coiled-coil protein 1 [Source:HGNC Symbol;Acc:HGNC:26010]
-1,219415137	5,25E-54	2,57E-52	LATS2	large tumor suppressor kinase 2 [Source:HGNC Symbol;Acc:HGNC:6515]
-1,218075237	4,44E-82	3,86E-80	EHD4	EH domain containing 4 [Source:HGNC Symbol;Acc:HGNC:3245]
-1,215516507	1,51E-46	6,22E-45	MFAP5	microfibril associated protein 5 [Source:HGNC Symbol;Acc:HGNC:29673]
-1,215367023	6,01E-15	7,32E-14	OCA2	OCA2 melanosomal transmembrane protein [Source:HGNC Symbol;Acc:HGNC:8101]
-1,214944828	3,43E-12	3,48E-11	CLSPN	claspin [Source:HGNC Symbol;Acc:HGNC:19715]
-1,214614273	3,58E-07	2,29E-06	ST6GALNAC3	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:19343]
-1,213093238	1,08E-70	7,55E-69	SCARF2	scavenger receptor class F member 2 [Source:HGNC Symbol;Acc:HGNC:19869]
-1,212847236	1,76E-10	1,55E-09	TTK	TTK protein kinase [Source:HGNC Symbol;Acc:HGNC:12401]
-1,210801563	5,12E-60	2,94E-58	RRA52	RAS related 2 [Source:HGNC Symbol;Acc:HGNC:17271]
-1,210677191	8,58E-10	7,10E-09	TMEM255B	transmembrane protein 255B [Source:HGNC Symbol;Acc:HGNC:28297]
-1,209026982	1,54E-19	2,44E-18	COL5A1	collagen type V alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2209]
-1,206261021	3,42E-07	2,19E-06	CENPW	centromere protein W [Source:HGNC Symbol;Acc:HGNC:21488]
-1,201187373	5,69E-05	0,000272127	NEXMIF	neurite extension and migration factor [Source:HGNC Symbol;Acc:HGNC:29433]
-1,199404099	1,49E-32	4,04E-31	ALDH1L2	aldehyde dehydrogenase 1 family member L2 [Source:HGNC Symbol;Acc:HGNC:26777]
-1,19365711	8,66E-12	8,46E-11	DRD4	dopamine receptor D4 [Source:HGNC Symbol;Acc:HGNC:3025]
-1,192787866	3,59E-56	1,85E-54	NCEH1	neutral cholesterol ester hydrolase 1 [Source:HGNC Symbol;Acc:HGNC:29260]
-1,191493091	7,90E-09	6,01E-08	MRVI1	murine retrovirus integration site 1 homolog [Source:HGNC Symbol;Acc:HGNC:7237]
-1,190413543	6,28E-17	8,64E-16	C5orf30	chromosome 5 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:25052]
-1,188832101	2,93E-17	4,13E-16	AURKA	aurora kinase A [Source:HGNC Symbol;Acc:HGNC:11393]
-1,188470035	2,97E-19	4,64E-18	DSP	desmoplakin [Source:HGNC Symbol;Acc:HGNC:3052]
-1,187703155	1,87E-19	2,95E-18	SLC8A1	solute carrier family 8 member A1 [Source:HGNC Symbol;Acc:HGNC:11068]
-1,186784343	0,016829454	0,04668273	EEF1AKMT4	EEF1A lysine methyltransferase 4 [Source:HGNC Symbol;Acc:HGNC:53611]
-1,185395552	0,000614741	0,002431153	HECW1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:22195]
-1,184358608	5,00E-09	3,87E-08	MATN3	matrilin 3 [Source:HGNC Symbol;Acc:HGNC:6909]

-1,181767998	0,006962057	0,021630752	<i>SLC17A9</i>	solute carrier family 17 member 9 [Source:HGNC Symbol;Acc:HGNC:16192]
-1,181151356	0,00129331	0,004775108	<i>GPR63</i>	G protein-coupled receptor 63 [Source:HGNC Symbol;Acc:HGNC:13302]
-1,180369863	4,38E-22	7,71E-21	<i>SEMA3B</i>	semaphorin 3B [Source:HGNC Symbol;Acc:HGNC:10724]
-1,17946834	1,08E-45	4,30E-44	<i>PAPLN</i>	papilin, proteoglycan like sulfated glycoprotein [Source:HGNC Symbol;Acc:HGNC:19262]
-1,178409597	4,23E-55	2,13E-53	<i>NREP</i>	neuronal regeneration related protein [Source:HGNC Symbol;Acc:HGNC:16834]
-1,177550022	5,66E-42	2,02E-40	<i>HOPX</i>	HOP homeobox [Source:HGNC Symbol;Acc:HGNC:24961]
-1,174252675	5,12E-107	6,63E-105	<i>MYH9</i>	myosin heavy chain 9 [Source:HGNC Symbol;Acc:HGNC:7579]
-1,171533448	1,45E-41	5,14E-40	<i>LMNB1</i>	lamin B1 [Source:HGNC Symbol;Acc:HGNC:6637]
-1,169783978	1,42E-95	1,58E-93	<i>SRF</i>	serum response factor [Source:HGNC Symbol;Acc:HGNC:11291]
-1,169002196	7,86E-55	3,92E-53	<i>STX12</i>	syntaxin 12 [Source:HGNC Symbol;Acc:HGNC:11430]
-1,167450511	2,99E-133	5,79E-131	<i>FOSL2</i>	FOS like 2, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3798]
-1,16634237	4,98E-10	4,21E-09	<i>ARSI</i>	arylsulfatase family member I [Source:HGNC Symbol;Acc:HGNC:32521]
-1,166000911	4,73E-11	4,35E-10	<i>KNL1</i>	kinetochore scaffold 1 [Source:HGNC Symbol;Acc:HGNC:24054]
-1,164174358	4,32E-48	1,84E-46	<i>C11orf24</i>	chromosome 11 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:1174]
-1,163545514	2,71E-05	0,000135903	<i>BRCA2</i>	BRCA2, DNA repair associated [Source:HGNC Symbol;Acc:HGNC:1101]
-1,163370551	4,13E-14	4,83E-13	<i>CRISPLD1</i>	cysteine rich secretory protein LCCL domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18206]
-1,159714468	2,78E-41	9,72E-40	<i>FBLN5</i>	fibulin 5 [Source:HGNC Symbol;Acc:HGNC:3602]
-1,158179893	1,10E-105	1,42E-103	<i>TLN1</i>	talin 1 [Source:HGNC Symbol;Acc:HGNC:11845]
-1,15810865	4,87E-06	2,70E-05	<i>TPH1</i>	tryptophan hydroxylase 1 [Source:HGNC Symbol;Acc:HGNC:12008]
-1,156996581	2,88E-24	5,62E-23	<i>RECQL4</i>	RecQ like helicase 4 [Source:HGNC Symbol;Acc:HGNC:9949]
-1,155289578	2,87E-08	2,07E-07	<i>BMPER</i>	BMP binding endothelial regulator [Source:HGNC Symbol;Acc:HGNC:24154]
-1,154572037	5,91E-11	5,36E-10	<i>FANCA</i>	FA complementation group A [Source:HGNC Symbol;Acc:HGNC:3582]
-1,15336218	1,39E-07	9,29E-07	<i>C3orf52</i>	chromosome 3 open reading frame 52 [Source:HGNC Symbol;Acc:HGNC:26255]
-1,153252691	3,64E-52	1,70E-50	<i>ETS1</i>	ETS proto-oncogene 1, transcription factor [Source:HGNC Symbol;Acc:HGNC:3488]
-1,152206315	0,006221564	0,019638202	<i>C4B</i>	complement C4B (Chido blood group) [Source:HGNC Symbol;Acc:HGNC:1324]
-1,150615361	1,50E-05	7,77E-05	<i>GDNF</i>	glial cell derived neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:4232]
-1,14994443	4,46E-77	3,46E-75	<i>SPOCD1</i>	SPOC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26338]
-1,149750436	0,007781574	0,023856364	<i>AC068831,7</i>	novel transcript
-1,149373933	2,97E-06	1,70E-05	<i>C1orf112</i>	chromosome 1 open reading frame 112 [Source:HGNC Symbol;Acc:HGNC:25565]
-1,147926021	3,58E-123	5,80E-121	<i>TOM1L2</i>	target of myb1 like 2 membrane trafficking protein [Source:HGNC Symbol;Acc:HGNC:11984]
-1,147817731	1,15E-12	1,22E-11	<i>ZNF93</i>	zinc finger protein 93 [Source:HGNC Symbol;Acc:HGNC:13169]
-1,146882971	8,78E-111	1,20E-108	<i>TIMP3</i>	TIMP metalloproteinase inhibitor 3 [Source:HGNC Symbol;Acc:HGNC:11822]
-1,146779101	0,016926069	0,046877023	<i>HGF</i>	hepatocyte growth factor [Source:HGNC Symbol;Acc:HGNC:4893]
-1,146655703	1,84E-08	1,35E-07	<i>LSM11</i>	LSM11, U7 small nuclear RNA associated [Source:HGNC Symbol;Acc:HGNC:30860]

-1,145323416	3,97E-73	2,90E-71	PAWR	pro-apoptotic WT1 regulator [Source:HGNC Symbol;Acc:HGNC:8614]
-1,144492726	4,94E-17	6,84E-16	MAD2L1	mitotic arrest deficient 2 like 1 [Source:HGNC Symbol;Acc:HGNC:6763]
-1,144290447	1,49E-80	1,25E-78	RAI14	retinoic acid induced 14 [Source:HGNC Symbol;Acc:HGNC:14873]
-1,142617964	6,19E-07	3,86E-06	ORC1	origin recognition complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:8487]
-1,140027556	7,21E-05	0,000338113	ZNF850	zinc finger protein 850 [Source:HGNC Symbol;Acc:HGNC:27994]
-1,139272063	0,000809884	0,003130799	DKK2	dickkopf WNT signaling pathway inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:2892]
-1,138252533	0,001083853	0,004068327	CHRNA5	cholinergic receptor nicotinic alpha 5 subunit [Source:HGNC Symbol;Acc:HGNC:1959]
-1,13821358	4,35E-36	1,31E-34	WNT5B	Wnt family member 5B [Source:HGNC Symbol;Acc:HGNC:16265]
-1,137739327	1,54E-16	2,06E-15	WDR86	WD repeat domain 86 [Source:HGNC Symbol;Acc:HGNC:28020]
-1,134958915	5,46E-54	2,67E-52	PLEKHG4B	pleckstrin homology and RhoGEF domain containing G4B [Source:HGNC Symbol;Acc:HGNC:29399]
-1,132453128	5,14E-54	2,52E-52	GFR1A1	GDNF family receptor alpha 1 [Source:HGNC Symbol;Acc:HGNC:4243]
-1,129978114	3,73E-165	1,10E-162	PLK2	polo like kinase 2 [Source:HGNC Symbol;Acc:HGNC:19699]
-1,12953532	0,000949954	0,003607596	SLC44A3	solute carrier family 44 member 3 [Source:HGNC Symbol;Acc:HGNC:28689]
-1,125772625	0,00036105	0,001486323	ULBP2	UL16 binding protein 2 [Source:HGNC Symbol;Acc:HGNC:14894]
-1,123949376	8,70E-36	2,60E-34	HBEGF	heparin binding EGF like growth factor [Source:HGNC Symbol;Acc:HGNC:3059]
-1,123845134	7,01E-101	8,61E-99	TGFB1I1	transforming growth factor beta 1 induced transcript 1 [Source:HGNC Symbol;Acc:HGNC:11767]
-1,122851317	0,001281939	0,004736732	HTR1B	5-hydroxytryptamine receptor 1B [Source:HGNC Symbol;Acc:HGNC:5287]
-1,121616175	1,01E-12	1,08E-11	EFHD1	EF-hand domain family member D1 [Source:HGNC Symbol;Acc:HGNC:29556]
-1,121491831	1,72E-20	2,83E-19	ASPM	abnormal spindle microtubule assembly [Source:HGNC Symbol;Acc:HGNC:19048]
-1,117927812	1,33E-16	1,79E-15	RRAD	RRAD, Ras related glycolysis inhibitor and calcium channel regulator [Source:HGNC Symbol;Acc:HGNC:10446]
-1,117578783	2,83E-64	1,80E-62	LBR	lamin B receptor [Source:HGNC Symbol;Acc:HGNC:6518]
-1,116015399	3,64E-24	7,05E-23	PRICKLE1	prickle planar cell polarity protein 1 [Source:HGNC Symbol;Acc:HGNC:17019]
-1,115644198	4,15E-30	1,02E-28	MCM6	minichromosome maintenance complex component 6 [Source:HGNC Symbol;Acc:HGNC:6949]
-1,11486429	0,000909858	0,00347436	NUSAP1	nucleolar and spindle associated protein 1 [Source:HGNC Symbol;Acc:HGNC:18538]
-1,113631544	2,57E-11	2,43E-10	KIF20B	kinesin family member 20B [Source:HGNC Symbol;Acc:HGNC:7212]
-1,112881679	9,32E-12	9,08E-11	COL1A1	collagen type I alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2197]
-1,111926935	2,13E-09	1,70E-08	ERFE	erythroferrone [Source:HGNC Symbol;Acc:HGNC:26727]
-1,111788662	9,44E-71	6,64E-69	FLNB	filamin B [Source:HGNC Symbol;Acc:HGNC:3755]
-1,111191222	9,45E-10	7,78E-09	IL1RAP	interleukin 1 receptor accessory protein [Source:HGNC Symbol;Acc:HGNC:5995]
-1,11008318	1,72E-17	2,46E-16	CXCL8	C-X-C motif chemokine ligand 8 [Source:HGNC Symbol;Acc:HGNC:6025]
-1,109867497	6,19E-22	1,08E-20	PRSS12	serine protease 12 [Source:HGNC Symbol;Acc:HGNC:9477]
-1,108511202	2,70E-22	4,79E-21	ATOH8	atonal bHLH transcription factor 8 [Source:HGNC Symbol;Acc:HGNC:24126]

-1,108409132	5,93E-11	5,38E-10	<i>FRAS1</i>	Fraser extracellular matrix complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:19185]
-1,106415336	5,87E-38	1,87E-36	<i>NABP1</i>	nucleic acid binding protein 1 [Source:HGNC Symbol;Acc:HGNC:26232]
-1,102655601	3,14E-34	8,94E-33	<i>PLCE1</i>	phospholipase C epsilon 1 [Source:HGNC Symbol;Acc:HGNC:17175]
-1,102205382	6,42E-34	1,81E-32	<i>INAFM2</i>	InaF motif containing 2 [Source:HGNC Symbol;Acc:HGNC:35165]
-1,100574567	1,31E-05	6,86E-05	<i>SPC25</i>	SPC25, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:24031]
-1,100154473	1,88E-46	7,71E-45	<i>PPRC1</i>	peroxisome proliferator-activated receptor gamma, coactivator-related 1 [Source:HGNC Symbol;Acc:HGNC:30025]
-1,099551851	4,04E-124	6,71E-122	<i>PALLD</i>	palladin, cytoskeletal associated protein [Source:HGNC Symbol;Acc:HGNC:17068]
-1,098990361	1,94E-13	2,17E-12	<i>FNDC1</i>	fibronectin type III domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21184]
-1,096993098	7,56E-19	1,16E-17	<i>CEP78</i>	centrosomal protein 78 [Source:HGNC Symbol;Acc:HGNC:25740]
-1,095537131	3,19E-71	2,28E-69	<i>AFAP1</i>	actin filament associated protein 1 [Source:HGNC Symbol;Acc:HGNC:24017]
-1,095165213	7,70E-11	6,93E-10	<i>DCLRE1B</i>	DNA cross-link repair 1B [Source:HGNC Symbol;Acc:HGNC:17641]
-1,093985939	2,95E-30	7,32E-29	<i>CDR2</i>	cerebellar degeneration related protein 2 [Source:HGNC Symbol;Acc:HGNC:1799]
-1,090611958	1,76E-08	1,30E-07	<i>RTKN2</i>	rhotekin 2 [Source:HGNC Symbol;Acc:HGNC:19364]
-1,089032589	2,33E-81	2,00E-79	<i>SORT1</i>	sortilin 1 [Source:HGNC Symbol;Acc:HGNC:11186]
-1,088756267	2,33E-10	2,03E-09	<i>STIL</i>	STIL, centriolar assembly protein [Source:HGNC Symbol;Acc:HGNC:10879]
-1,088751997	2,09E-06	1,22E-05	<i>DDIAS</i>	DNA damage induced apoptosis suppressor [Source:HGNC Symbol;Acc:HGNC:26351]
-1,087134461	0,000323897	0,001344216	<i>SLC6A11</i>	solute carrier family 6 member 11 [Source:HGNC Symbol;Acc:HGNC:11044]
-1,086511194	0,000214898	0,000921411	<i>TRPC4</i>	transient receptor potential cation channel subfamily C member 4 [Source:HGNC Symbol;Acc:HGNC:12336]
-1,085802111	4,26E-54	2,10E-52	<i>VWA1</i>	von Willebrand factor A domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30910]
-1,084697324	1,54E-10	1,36E-09	<i>GABRE</i>	gamma-aminobutyric acid type A receptor epsilon subunit [Source:HGNC Symbol;Acc:HGNC:4085]
-1,083395776	1,44E-10	1,28E-09	<i>CENPU</i>	centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348]
-1,083184448	0,017481385	0,048188034	<i>LDB3</i>	LIM domain binding 3 [Source:HGNC Symbol;Acc:HGNC:15710]
-1,08144855	2,17E-52	1,02E-50	<i>SLC16A3</i>	solute carrier family 16 member 3 [Source:HGNC Symbol;Acc:HGNC:10924]
-1,08109903	7,18E-08	4,97E-07	<i>BCL2</i>	BCL2, apoptosis regulator [Source:HGNC Symbol;Acc:HGNC:990]
-1,080028234	8,15E-136	1,63E-133	<i>TPM4</i>	tropomyosin 4 [Source:HGNC Symbol;Acc:HGNC:12013]
-1,078643391	6,70E-07	4,16E-06	<i>KIAA0895</i>	KIAA0895 [Source:HGNC Symbol;Acc:HGNC:22206]
-1,078548383	2,18E-42	7,89E-41	<i>NTN4</i>	netrin 4 [Source:HGNC Symbol;Acc:HGNC:13658]
-1,077677124	1,16E-24	2,29E-23	<i>PIM1</i>	Pim-1 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:8986]
-1,077148508	4,13E-34	1,17E-32	<i>FHOD3</i>	formin homology 2 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:26178]
-1,077135298	1,81E-15	2,28E-14	<i>STXBP6</i>	syntaxin binding protein 6 [Source:HGNC Symbol;Acc:HGNC:19666]
-1,075521353	1,48E-25	3,05E-24	<i>POLE</i>	DNA polymerase epsilon, catalytic subunit [Source:HGNC Symbol;Acc:HGNC:9177]
-1,074226789	4,73E-18	6,95E-17	<i>BRINP1</i>	BMP/retinoic acid inducible neural specific 1 [Source:HGNC Symbol;Acc:HGNC:2687]
-1,073622582	1,24E-17	1,79E-16	<i>CXCL6</i>	C-X-C motif chemokine ligand 6 [Source:HGNC Symbol;Acc:HGNC:10643]

-1,072798384	3,29E-05	0,000163203	CEP152	centrosomal protein 152 [Source:HGNC Symbol;Acc:HGNC:29298]
-1,072045207	2,85E-83	2,56E-81	TNS3	tensin 3 [Source:HGNC Symbol;Acc:HGNC:21616]
-1,071849874	7,16E-11	6,47E-10	KIF14	kinesin family member 14 [Source:HGNC Symbol;Acc:HGNC:19181]
-1,070193779	3,22E-17	4,52E-16	SPAG5	sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:13452]
-1,069223791	1,76E-47	7,39E-46	SOCS3	suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:HGNC:19391]
-1,068985287	1,80E-44	6,91E-43	NTN1	netrin 1 [Source:HGNC Symbol;Acc:HGNC:8029]
-1,068754847	5,37E-34	1,51E-32	SYNC	syncoilin, intermediate filament protein [Source:HGNC Symbol;Acc:HGNC:28897]
-1,067734561	2,15E-08	1,57E-07	IMMP2L	inner mitochondrial membrane peptidase subunit 2 [Source:HGNC Symbol;Acc:HGNC:14598]
-1,065114511	7,40E-30	1,80E-28	CENPF	centromere protein F [Source:HGNC Symbol;Acc:HGNC:1857]
-1,064551268	2,39E-21	4,09E-20	AMPH	amphiphysin [Source:HGNC Symbol;Acc:HGNC:471]
-1,063667597	0,003753844	0,012475955	PCLAF	PCNA clamp associated factor [Source:HGNC Symbol;Acc:HGNC:28961]
-1,062854316	5,27E-15	6,48E-14	BNC1	basonuclin 1 [Source:HGNC Symbol;Acc:HGNC:1081]
-1,057977904	6,18E-06	3,39E-05	LRR1	leucine rich repeat protein 1 [Source:HGNC Symbol;Acc:HGNC:19742]
-1,057008784	9,12E-15	1,10E-13	DACT1	dishevelled binding antagonist of beta catenin 1 [Source:HGNC Symbol;Acc:HGNC:17748]
-1,056743066	6,94E-38	2,20E-36	TMEM109	transmembrane protein 109 [Source:HGNC Symbol;Acc:HGNC:28771]
-1,056440145	0,001578695	0,00571357	ARHGEF39	Rho guanine nucleotide exchange factor 39 [Source:HGNC Symbol;Acc:HGNC:25909]
-1,055952646	6,95E-10	5,80E-09	CDCA2	cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:14623]
-1,054772681	2,23E-52	1,05E-50	TMT4	transmembrane and tetra-ricopeptide repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:25904]
-1,052072828	5,22E-05	0,000251057	CEACAM19	carcinoembryonic antigen related cell adhesion molecule 19 [Source:HGNC Symbol;Acc:HGNC:31951]
-1,051736049	3,44E-30	8,48E-29	PRKAG2	protein kinase AMP-activated non-catalytic subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:9386]
-1,051479627	8,87E-34	2,47E-32	C9orf3	chromosome 9 open reading frame 3 [Source:HGNC Symbol;Acc:HGNC:1361]
-1,050075175	1,14E-11	1,10E-10	SCUBE3	signal peptide, CUB domain and EGF like domain containing 3 [Source:HGNC Symbol;Acc:HGNC:13655]
-1,049744611	5,91E-10	4,96E-09	PLD5	phospholipase D family member 5 [Source:HGNC Symbol;Acc:HGNC:26879]
-1,048327414	1,10E-72	8,05E-71	KPNA2	karyopherin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:6395]
-1,048141345	0,000180256	0,000786078	TEK	TEK receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:11724]
-1,047280952	5,82E-08	4,07E-07	ADAMTS6	ADAM metalloproteinase with thrombospondin type 1 motif 6 [Source:HGNC Symbol;Acc:HGNC:222]
-1,045971314	3,44E-09	2,71E-08	HMMR	hyaluronan mediated motility receptor [Source:HGNC Symbol;Acc:HGNC:5012]
-1,045372296	8,14E-21	1,36E-19	KNSTRN	kinetochore localized astrin (SPAG5) binding protein [Source:HGNC Symbol;Acc:HGNC:30767]
-1,043742081	3,40E-19	5,31E-18	PCK2	phosphoenolpyruvate carboxykinase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:8725]
-1,043307551	0,00098618	0,003733479	GINS3	GINS complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:25851]
-1,042873269	0,011043238	0,032411536	PRIM1	DNA primase subunit 1 [Source:HGNC Symbol;Acc:HGNC:9369]
-1,042450978	5,42E-60	3,10E-58	SYDE1	synapse defective Rho GTPase homolog 1 [Source:HGNC Symbol;Acc:HGNC:25824]
-1,042245629	3,77E-23	6,94E-22	SERAC1	serine active site containing 1 [Source:HGNC Symbol;Acc:HGNC:21061]

-1,040166259	6,41E-24	1,23E-22	TRAF5	TNF receptor associated factor 5 [Source:HGNC Symbol;Acc:HGNC:12035]
-1,039476106	5,47E-167	1,69E-164	ACTB	actin beta [Source:HGNC Symbol;Acc:HGNC:132]
-1,038497037	1,60E-37	5,03E-36	MCM5	minichromosome maintenance complex component 5 [Source:HGNC Symbol;Acc:HGNC:6948]
-1,038329206	2,20E-24	4,32E-23	EVA1A	eva-1 homolog A, regulator of programmed cell death [Source:HGNC Symbol;Acc:HGNC:25816]
-1,038032489	8,45E-24	1,61E-22	NCAPG2	non-SMC condensin II complex subunit G2 [Source:HGNC Symbol;Acc:HGNC:21904]
-1,0376445	2,25E-32	6,01E-31	DAB2	DAB2, clathrin adaptor protein [Source:HGNC Symbol;Acc:HGNC:2662]
-1,037532375	5,70E-50	2,56E-48	KCNK2	potassium two pore domain channel subfamily K member 2 [Source:HGNC Symbol;Acc:HGNC:6277]
-1,036622103	2,88E-107	3,75E-105	LOX	lysyl oxidase [Source:HGNC Symbol;Acc:HGNC:6664]
-1,035797819	5,73E-23	1,05E-21	ECT2	epithelial cell transforming 2 [Source:HGNC Symbol;Acc:HGNC:3155]
-1,035181149	4,52E-19	6,99E-18	HIVEP2	human immunodeficiency virus type I enhancer binding protein 2 [Source:HGNC Symbol;Acc:HGNC:4921]
-1,034830193	1,32E-28	3,08E-27	PKP4	plakophilin 4 [Source:HGNC Symbol;Acc:HGNC:9026]
-1,033117005	2,59E-09	2,06E-08	RAB3B	RAB3B, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9778]
-1,032561213	2,18E-113	3,18E-111	LDHA	lactate dehydrogenase A [Source:HGNC Symbol;Acc:HGNC:6535]
-1,032401607	3,89E-37	1,22E-35	C12orf75	chromosome 12 open reading frame 75 [Source:HGNC Symbol;Acc:HGNC:35164]
-1,031693176	0,002488563	0,008636096	AQP3	aquaporin 3 (Gill blood group) [Source:HGNC Symbol;Acc:HGNC:636]
-1,02832701	1,04E-76	7,98E-75	SLC38A1	solute carrier family 38 member 1 [Source:HGNC Symbol;Acc:HGNC:13447]
-1,028241868	7,37E-13	7,95E-12	KIF4A	kinesin family member 4A [Source:HGNC Symbol;Acc:HGNC:13339]
-1,027377705	8,40E-18	1,22E-16	KIF11	kinesin family member 11 [Source:HGNC Symbol;Acc:HGNC:6388]
-1,026857138	9,71E-79	7,88E-77	MICALL1	MICAL like 1 [Source:HGNC Symbol;Acc:HGNC:29804]
-1,026062022	3,74E-27	8,13E-26	WTIP	WT1 interacting protein [Source:HGNC Symbol;Acc:HGNC:20964]
-1,025714784	1,24E-56	6,54E-55	GLS	glutaminase [Source:HGNC Symbol;Acc:HGNC:4331]
-1,024709959	2,73E-60	1,58E-58	CYTH3	cytohesin 3 [Source:HGNC Symbol;Acc:HGNC:9504]
-1,024391899	2,86E-13	3,17E-12	CCDC9B	coiled-coil domain containing 9B [Source:HGNC Symbol;Acc:HGNC:33488]
-1,024391276	1,32E-15	1,68E-14	WNK2	WNK lysine deficient protein kinase 2 [Source:HGNC Symbol;Acc:HGNC:14542]
-1,023608025	3,83E-69	2,61E-67	CSF1	colony stimulating factor 1 [Source:HGNC Symbol;Acc:HGNC:2432]
-1,022756467	0,00183443	0,006548741	EME1	essential meiotic structure-specific endonuclease 1 [Source:HGNC Symbol;Acc:HGNC:24965]
-1,021774873	5,33E-11	4,87E-10	RAP1GAP2	RAP1 GTPase activating protein 2 [Source:HGNC Symbol;Acc:HGNC:29176]
-1,017564569	9,24E-22	1,61E-20	ZNF469	zinc finger protein 469 [Source:HGNC Symbol;Acc:HGNC:23216]
-1,016698351	3,37E-88	3,33E-86	MYL12A	myosin light chain 12A [Source:HGNC Symbol;Acc:HGNC:16701]
-1,016531282	1,03E-13	1,17E-12	PUS7	pseudouridylate synthase 7 [Source:HGNC Symbol;Acc:HGNC:26033]
-1,01630817	1,69E-52	7,97E-51	EXT1	exostosin glycosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:3512]
-1,014901912	5,09E-16	6,59E-15	RAB23	RAB23, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:14263]
-1,013713906	3,34E-10	2,87E-09	CDCA3	cell division cycle associated 3 [Source:HGNC Symbol;Acc:HGNC:14624]
-1,012770798	3,45E-85	3,19E-83	CDK6	cyclin dependent kinase 6 [Source:HGNC Symbol;Acc:HGNC:1777]

-1,012667503	1,15E-10	1,02E-09	EGF	epidermal growth factor [Source:HGNC Symbol;Acc:HGNC:3229]
-1,012550213	2,45E-20	4,01E-19	RASSF1	Ras association domain family member 1 [Source:HGNC Symbol;Acc:HGNC:9882]
-1,011702491	2,79E-07	1,81E-06	COBLL1	cordon-bleu WH2 repeat protein like 1 [Source:HGNC Symbol;Acc:HGNC:23571]
-1,010954832	2,13E-08	1,56E-07	CD83	CD83 molecule [Source:HGNC Symbol;Acc:HGNC:1703]
-1,010473862	6,27E-13	6,80E-12	KLHL23	kelch like family member 23 [Source:HGNC Symbol;Acc:HGNC:27506]
-1,009518952	1,55E-31	4,04E-30	TACC3	transforming acidic coiled-coil containing protein 3 [Source:HGNC Symbol;Acc:HGNC:11524]
-1,008988383	5,59E-28	1,26E-26	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:10862]
-1,008712101	6,52E-05	0,000308341	LDLRAD4	low density lipoprotein receptor class A domain containing 4 [Source:HGNC Symbol;Acc:HGNC:1224]
-1,007736611	5,76E-05	0,000275234	GDF6	growth differentiation factor 6 [Source:HGNC Symbol;Acc:HGNC:4221]
-1,007692902	3,44E-27	7,51E-26	SEMA7A	semaphorin 7A (John Milton Hagen blood group) [Source:HGNC Symbol;Acc:HGNC:10741]
-1,007473023	2,15E-61	1,28E-59	PSAT1	phosphoserine aminotransferase 1 [Source:HGNC Symbol;Acc:HGNC:19129]
-1,006843806	2,73E-15	3,40E-14	NCAPG	non-SMC condensin I complex subunit G [Source:HGNC Symbol;Acc:HGNC:24304]
-1,006576267	4,30E-07	2,72E-06	FAXC	failed axon connections homolog [Source:HGNC Symbol;Acc:HGNC:20742]
-1,00599093	1,98E-34	5,68E-33	MCM3	minichromosome maintenance complex component 3 [Source:HGNC Symbol;Acc:HGNC:6945]
-1,005332192	7,83E-06	4,24E-05	CCDC138	coiled-coil domain containing 138 [Source:HGNC Symbol;Acc:HGNC:26531]
-1,00492291	0,003412765	0,011466087	DNAH5	dynein axonemal heavy chain 5 [Source:HGNC Symbol;Acc:HGNC:2950]
-1,004578178	2,66E-47	1,11E-45	BCAT1	branched chain amino acid transaminase 1 [Source:HGNC Symbol;Acc:HGNC:976]
-1,003966719	4,19E-07	2,65E-06	DSCC1	DNA replication and sister chromatid cohesion 1 [Source:HGNC Symbol;Acc:HGNC:24453]
-1,002595876	5,10E-49	2,23E-47	CHST15	carbohydrate sulfotransferase 15 [Source:HGNC Symbol;Acc:HGNC:18137]
-0,999235344	2,98E-15	3,71E-14	EOGT	EGF domain specific O-linked N-acetylglucosamine transferase [Source:HGNC Symbol;Acc:HGNC:28526]
-0,998661126	3,47E-35	1,02E-33	DNAJB4	DnaJ heat shock protein family (Hsp40) member B4 [Source:HGNC Symbol;Acc:HGNC:14886]
-0,997880752	7,10E-42	2,52E-40	SGK1	serum/glucocorticoid regulated kinase 1 [Source:HGNC Symbol;Acc:HGNC:10810]
-0,996233305	3,01E-09	2,38E-08	VEGFC	vascular endothelial growth factor C [Source:HGNC Symbol;Acc:HGNC:12682]
-0,995578289	1,02E-111	1,46E-109	PLAU	plasminogen activator, urokinase [Source:HGNC Symbol;Acc:HGNC:9052]
-0,994522709	8,39E-09	6,36E-08	MARCH4	membrane associated ring-CH-type finger 4 [Source:HGNC Symbol;Acc:HGNC:29269]
-0,992578223	2,25E-26	4,78E-25	CCNB1	cyclin B1 [Source:HGNC Symbol;Acc:HGNC:1579]
-0,992313359	0,000129687	0,0005823	HRCT1	histidine rich carboxyl terminus 1 [Source:HGNC Symbol;Acc:HGNC:33872]
-0,99112847	2,46E-33	6,79E-32	AKIP1	A-kinase interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:1170]
-0,990996259	1,12E-09	9,15E-09	GRB14	growth factor receptor bound protein 14 [Source:HGNC Symbol;Acc:HGNC:4565]
-0,990762695	4,71E-08	3,33E-07	SPC24	SPC24, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:26913]
-0,99070319	3,79E-94	4,09E-92	FBLIM1	filamin binding LIM protein 1 [Source:HGNC Symbol;Acc:HGNC:24686]
-0,988389301	3,95E-101	4,88E-99	VCL	vinculin [Source:HGNC Symbol;Acc:HGNC:12665]

-0,988345356	1,82E-30	4,57E-29	NT5C2	5'-nucleotidase, cytosolic II [Source:HGNC Symbol;Acc:HGNC:8022]
-0,9866179	2,46E-10	2,13E-09	CENPE	centromere protein E [Source:HGNC Symbol;Acc:HGNC:1856]
-0,985622443	1,51E-33	4,19E-32	GNAO1	G protein subunit alpha o1 [Source:HGNC Symbol;Acc:HGNC:4389]
-0,985620409	2,27E-17	3,22E-16	CDCA4	cell division cycle associated 4 [Source:HGNC Symbol;Acc:HGNC:14625]
-0,984767888	1,48E-07	9,86E-07	BARD1	BRCA1 associated RING domain 1 [Source:HGNC Symbol;Acc:HGNC:952]
-0,984315314	6,41E-42	2,28E-40	NFE2L3	nuclear factor, erythroid 2 like 3 [Source:HGNC Symbol;Acc:HGNC:7783]
-0,984122937	2,57E-15	3,22E-14	SLC7A6	solute carrier family 7 member 6 [Source:HGNC Symbol;Acc:HGNC:11064]
-0,984041644	2,06E-06	1,20E-05	C8orf88	chromosome 8 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:44672]
-0,983589454	6,48E-11	5,87E-10	CDT1	chromatin licensing and DNA replication factor 1 [Source:HGNC Symbol;Acc:HGNC:24576]
-0,983141055	0,00022329	0,00095402	BLM	Bloom syndrome RecQ like helicase [Source:HGNC Symbol;Acc:HGNC:1058]
-0,983111296	5,42E-63	3,35E-61	SLC39A14	solute carrier family 39 member 14 [Source:HGNC Symbol;Acc:HGNC:20858]
-0,981595216	2,06E-64	1,32E-62	PLOD2	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 [Source:HGNC Symbol;Acc:HGNC:9082]
-0,981303328	2,95E-56	1,54E-54	DDX21	DEAD-box helicase 21 [Source:HGNC Symbol;Acc:HGNC:2744]
-0,980462157	2,68E-23	4,95E-22	POLD1	DNA polymerase delta 1, catalytic subunit [Source:HGNC Symbol;Acc:HGNC:9175]
-0,978613094	7,08E-45	2,75E-43	GALNT5	polypeptide N-acetylgalactosaminyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:4127]
-0,978548414	0,00040954	0,00167246	C4A	complement C4A (Rodgers blood group) [Source:HGNC Symbol;Acc:HGNC:1323]
-0,97828917	1,99E-11	1,89E-10	CIP2A	cell proliferation regulating inhibitor of protein phosphatase 2A [Source:HGNC Symbol;Acc:HGNC:29302]
-0,975848177	2,12E-07	1,39E-06	CDC7	cell division cycle 7 [Source:HGNC Symbol;Acc:HGNC:1745]
-0,97584281	3,38E-27	7,39E-26	RAB32	RAB32, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9772]
-0,975065688	2,39E-06	1,38E-05	CHODL	chondrolectin [Source:HGNC Symbol;Acc:HGNC:17807]
-0,974826821	5,30E-06	2,93E-05	PROSER2	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]
-0,973359902	1,14E-127	2,01E-125	COTL1	coactosin like F-actin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:18304]
-0,973267951	2,70E-63	1,68E-61	COL4A1	collagen type IV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2202]
-0,97311518	2,32E-32	6,20E-31	LUZP1	leucine zipper protein 1 [Source:HGNC Symbol;Acc:HGNC:14985]
-0,973112298	2,02E-39	6,72E-38	EPDR1	ependymin related 1 [Source:HGNC Symbol;Acc:HGNC:17572]
-0,970348886	5,00E-08	3,53E-07	MMS22L	MMS22 like, DNA repair protein [Source:HGNC Symbol;Acc:HGNC:21475]
-0,970097577	4,92E-09	3,82E-08	SGO2	shugoshin 2 [Source:HGNC Symbol;Acc:HGNC:30812]
-0,968740329	1,23E-13	1,39E-12	E2F5	E2F transcription factor 5 [Source:HGNC Symbol;Acc:HGNC:3119]
-0,968700842	5,26E-44	1,99E-42	CACNG4	calcium voltage-gated channel auxiliary subunit gamma 4 [Source:HGNC Symbol;Acc:HGNC:1408]
-0,965887912	5,02E-21	8,50E-20	CD34	CD34 molecule [Source:HGNC Symbol;Acc:HGNC:1662]
-0,965596819	0,008855421	0,026734335	CARD11	caspase recruitment domain family member 11 [Source:HGNC Symbol;Acc:HGNC:16393]
-0,965481023	2,33E-52	1,09E-50	NF2	neurofibromin 2 [Source:HGNC Symbol;Acc:HGNC:7773]

-0,964115025	2,96E-07	1,91E-06	<i>C9orf40</i>	chromosome 9 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:23433]
-0,963961518	2,32E-17	3,29E-16	<i>RRS1</i>	ribosome biogenesis regulator homolog [Source:HGNC Symbol;Acc:HGNC:17083]
-0,963655275	2,62E-46	1,07E-44	<i>SMURF2</i>	SMAD specific E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:HGNC:16809]
-0,963359504	0,000783975	0,003042766	<i>PLEKHH2</i>	pleckstrin homology, MyTH4 and FERM domain containing H2 [Source:HGNC Symbol;Acc:HGNC:30506]
-0,961253388	0,003044851	0,010359111	<i>OIP5</i>	Opa interacting protein 5 [Source:HGNC Symbol;Acc:HGNC:20300]
-0,960191873	2,00E-69	1,37E-67	<i>SUN2</i>	Sad1 and UNC84 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:14210]
-0,958599335	4,10E-16	5,34E-15	<i>ARNTL2</i>	aryl hydrocarbon receptor nuclear translocator like 2 [Source:HGNC Symbol;Acc:HGNC:18984]
-0,958413448	1,12E-08	8,43E-08	<i>C21orf58</i>	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:1300]
-0,956911111	7,82E-17	1,07E-15	<i>CDK2</i>	cyclin dependent kinase 2 [Source:HGNC Symbol;Acc:HGNC:1771]
-0,954599964	2,30E-10	2,01E-09	<i>VCAN</i>	versican [Source:HGNC Symbol;Acc:HGNC:2464]
-0,954510814	7,90E-38	2,50E-36	<i>MCM4</i>	minichromosome maintenance complex component 4 [Source:HGNC Symbol;Acc:HGNC:6947]
-0,952986945	1,76E-86	1,68E-84	<i>VASP</i>	vasodilator stimulated phosphoprotein [Source:HGNC Symbol;Acc:HGNC:12652]
-0,95288636	3,23E-37	1,01E-35	<i>LMCD1</i>	LIM and cysteine rich domains 1 [Source:HGNC Symbol;Acc:HGNC:6633]
-0,952849787	4,54E-16	5,90E-15	<i>NDC1</i>	NDC1 transmembrane nucleoporin [Source:HGNC Symbol;Acc:HGNC:25525]
-0,952772878	6,47E-13	7,01E-12	<i>KNTC1</i>	kinetochore associated 1 [Source:HGNC Symbol;Acc:HGNC:17255]
-0,95215529	6,80E-32	1,79E-30	<i>GPX3</i>	glutathione peroxidase 3 [Source:HGNC Symbol;Acc:HGNC:4555]
-0,951226043	6,06E-71	4,29E-69	<i>NECTIN2</i>	nectin cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:9707]
-0,950698739	3,49E-31	8,94E-30	<i>AMOT</i>	angiominin [Source:HGNC Symbol;Acc:HGNC:17810]
-0,950111072	5,42E-09	4,18E-08	<i>CCDC107</i>	coiled-coil domain containing 107 [Source:HGNC Symbol;Acc:HGNC:28465]
-0,948857171	6,86E-37	2,14E-35	<i>KLF7</i>	Kruppel like factor 7 [Source:HGNC Symbol;Acc:HGNC:6350]
-0,948617845	1,42E-18	2,14E-17	<i>NANS</i>	N-acetylneuraminate synthase [Source:HGNC Symbol;Acc:HGNC:19237]
-0,948296378	7,19E-37	2,23E-35	<i>COL12A1</i>	collagen type XII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2188]
-0,947775375	5,22E-21	8,83E-20	<i>TES</i>	testin LIM domain protein [Source:HGNC Symbol;Acc:HGNC:14620]
-0,947668332	1,48E-31	3,87E-30	<i>HSPA2</i>	heat shock protein family A (Hsp70) member 2 [Source:HGNC Symbol;Acc:HGNC:5235]
-0,946279273	2,48E-42	8,93E-41	<i>PYCR1</i>	pyrroline-5-carboxylate reductase 1 [Source:HGNC Symbol;Acc:HGNC:9721]
-0,944902387	6,46E-81	5,50E-79	<i>DAPK3</i>	death associated protein kinase 3 [Source:HGNC Symbol;Acc:HGNC:2676]
-0,943546665	2,39E-05	0,000120889	<i>DCDC2</i>	doublecortin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:18141]
-0,943498082	0,000243787	0,001034534	<i>TRAFIP</i>	TRAF interacting protein [Source:HGNC Symbol;Acc:HGNC:30764]
-0,942767283	0,009538802	0,028495996	<i>CCDC150</i>	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:26834]
-0,940085402	0,003883479	0,012875927	<i>PLAC9</i>	placenta specific 9 [Source:HGNC Symbol;Acc:HGNC:19255]
-0,939907297	2,25E-07	1,48E-06	<i>CENPJ</i>	centromere protein J [Source:HGNC Symbol;Acc:HGNC:17272]
-0,939471229	1,16E-27	2,59E-26	<i>PUM3</i>	pumilio RNA binding family member 3 [Source:HGNC Symbol;Acc:HGNC:29676]

-0,936946533	2,39E-11	2,27E-10	RASSF7	Ras association domain family member 7 [Source:HGNC Symbol;Acc:HGNC:1166]
-0,936294927	5,37E-24	1,04E-22	DNAJC1	DnaJ heat shock protein family (Hsp40) member C1 [Source:HGNC Symbol;Acc:HGNC:20090]
-0,935487687	5,32E-10	4,48E-09	NFKBIZ	NFKB inhibitor zeta [Source:HGNC Symbol;Acc:HGNC:29805]
-0,933582532	8,83E-17	1,21E-15	HIVEP1	human immunodeficiency virus type I enhancer binding protein 1 [Source:HGNC Symbol;Acc:HGNC:4920]
-0,931890456	1,93E-09	1,54E-08	BRI3BP	BRI3 binding protein [Source:HGNC Symbol;Acc:HGNC:14251]
-0,931562058	2,26E-54	1,12E-52	LRRC59	leucine rich repeat containing 59 [Source:HGNC Symbol;Acc:HGNC:28817]
-0,931454334	0,000948315	0,003603486	CTSV	cathepsin V [Source:HGNC Symbol;Acc:HGNC:2538]
-0,929536924	3,47E-17	4,85E-16	JMJD6	jumonji domain containing 6, arginine demethylase and lysine hydroxylase [Source:HGNC Symbol;Acc:HGNC:19355]
-0,927660477	3,09E-09	2,44E-08	MAOA	monoamine oxidase A [Source:HGNC Symbol;Acc:HGNC:6833]
-0,927087118	4,47E-14	5,22E-13	URB2	URB2 ribosome biogenesis 2 homolog (S, cerevisiae) [Source:HGNC Symbol;Acc:HGNC:28967]
-0,926500247	3,56E-05	0,000175568	PHETA2	PH domain containing endocytic trafficking adaptor 2 [Source:HGNC Symbol;Acc:HGNC:27161]
-0,924631749	0,005900656	0,018738035	KCNH1	potassium voltage-gated channel subfamily H member 1 [Source:HGNC Symbol;Acc:HGNC:6250]
-0,924497994	1,34E-08	9,96E-08	GGCT	gamma-glutamylcyclotransferase [Source:HGNC Symbol;Acc:HGNC:21705]
-0,923180963	1,28E-58	7,00E-57	FHL1	four and a half LIM domains 1 [Source:HGNC Symbol;Acc:HGNC:3702]
-0,923142358	0,004647955	0,015128853	SLC26A10	solute carrier family 26 member 10 [Source:HGNC Symbol;Acc:HGNC:14470]
-0,921887555	9,09E-09	6,87E-08	RAD18	RAD18, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:18278]
-0,920962052	1,10E-32	2,99E-31	ITGA11	integrin subunit alpha 11 [Source:HGNC Symbol;Acc:HGNC:6136]
-0,920758181	3,17E-77	2,48E-75	NACC2	NACC family member 2 [Source:HGNC Symbol;Acc:HGNC:23846]
-0,916425625	7,90E-06	4,27E-05	GLRB	glycine receptor beta [Source:HGNC Symbol;Acc:HGNC:4329]
-0,916410536	1,08E-90	1,12E-88	DSTN	destrin, actin depolymerizing factor [Source:HGNC Symbol;Acc:HGNC:15750]
-0,915255416	4,70E-19	7,27E-18	FEN1	flap structure-specific endonuclease 1 [Source:HGNC Symbol;Acc:HGNC:3650]
-0,914733554	0,002873213	0,009832436	AFAP1L1	actin filament associated protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:26714]
-0,913930583	0,000711002	0,002778435	CEP72	centrosomal protein 72 [Source:HGNC Symbol;Acc:HGNC:25547]
-0,91309678	8,98E-14	1,03E-12	ACOX3	acyl-CoA oxidase 3, pristanoyl [Source:HGNC Symbol;Acc:HGNC:121]
-0,912199842	8,42E-22	1,47E-20	NECTIN3	nectin cell adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:17664]
-0,911364061	0,000101136	0,000462999	RPL39L	ribosomal protein L39 like [Source:HGNC Symbol;Acc:HGNC:17094]
-0,910830294	7,79E-47	3,24E-45	H2AFX	H2A histone family member X [Source:HGNC Symbol;Acc:HGNC:4739]
-0,910382879	3,24E-09	2,56E-08	RFC4	replication factor C subunit 4 [Source:HGNC Symbol;Acc:HGNC:9972]
-0,908978407	2,10E-17	2,99E-16	CHTF18	chromosome transmission fidelity factor 18 [Source:HGNC Symbol;Acc:HGNC:18435]
-0,908812674	2,44E-38	7,89E-37	BMP4	bone morphogenetic protein 4 [Source:HGNC Symbol;Acc:HGNC:1071]
-0,908714163	0,004691856	0,015258949	ADAMTSL5	ADAMTS like 5 [Source:HGNC Symbol;Acc:HGNC:27912]

-0,907983565	2,74E-30	6,83E-29	<i>FIBCD1</i>	fibrinogen C domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25922]
-0,907074648	4,71E-30	1,15E-28	<i>MBNL2</i>	muscleblind like splicing regulator 2 [Source:HGNC Symbol;Acc:HGNC:16746]
-0,906404395	1,20E-23	2,27E-22	<i>POLR1E</i>	RNA polymerase I subunit E [Source:HGNC Symbol;Acc:HGNC:17631]
-0,905704697	6,60E-10	5,52E-09	<i>CCNB2</i>	cyclin B2 [Source:HGNC Symbol;Acc:HGNC:1580]
-0,904706812	1,16E-16	1,57E-15	<i>HADH</i>	hydroxyacyl-CoA dehydrogenase [Source:HGNC Symbol;Acc:HGNC:4799]
-0,904556862	4,94E-14	5,73E-13	<i>BUB1</i>	BUB1 mitotic checkpoint serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:1148]
-0,903660521	3,60E-09	2,82E-08	<i>COL1A2</i>	collagen type I alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2198]
-0,903240489	4,06E-54	2,00E-52	<i>TNFAIP1</i>	TNF alpha induced protein 1 [Source:HGNC Symbol;Acc:HGNC:11894]
-0,902275653	3,66E-39	1,21E-37	<i>MYO1E</i>	myosin IE [Source:HGNC Symbol;Acc:HGNC:7599]
-0,90225176	9,67E-20	1,54E-18	<i>SHISA9</i>	shisa family member 9 [Source:HGNC Symbol;Acc:HGNC:37231]
-0,901756664	2,46E-25	4,99E-24	<i>CXCL14</i>	C-X-C motif chemokine ligand 14 [Source:HGNC Symbol;Acc:HGNC:10640]
-0,901236427	2,38E-43	8,87E-42	<i>DEGS1</i>	delta 4-desaturase, sphingolipid 1 [Source:HGNC Symbol;Acc:HGNC:13709]
-0,901045828	0,00010713	0,000487564	<i>USP43</i>	ubiquitin specific peptidase 43 [Source:HGNC Symbol;Acc:HGNC:20072]
-0,900825965	1,29E-44	4,97E-43	<i>SNX18</i>	sorting nexin 18 [Source:HGNC Symbol;Acc:HGNC:19245]
-0,900568896	4,93E-05	0,000237701	<i>ARFGEF3</i>	ARFGEF family member 3 [Source:HGNC Symbol;Acc:HGNC:21213]
-0,900531857	1,45E-53	6,98E-52	<i>B4GALT1</i>	beta-1,4-galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:924]
-0,900493178	4,90E-42	1,75E-40	<i>ADAMTS10</i>	ADAM metalloproteinase with thrombospondin type 1 motif 10 [Source:HGNC Symbol;Acc:HGNC:13201]
-0,900224513	2,31E-10	2,01E-09	<i>GPR39</i>	G protein-coupled receptor 39 [Source:HGNC Symbol;Acc:HGNC:4496]
-0,89885575	0,010682111	0,031446762	<i>PHKG1</i>	phosphorylase kinase catalytic subunit gamma 1 [Source:HGNC Symbol;Acc:HGNC:8930]
-0,89857884	3,91E-08	2,78E-07	<i>GFOD1</i>	glucose-fructose oxidoreductase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21096]
-0,898561044	6,56E-40	2,20E-38	<i>COL5A2</i>	collagen type V alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2210]
-0,897675217	3,16E-77	2,48E-75	<i>NDST1</i>	N-deacetylase and N-sulfotransferase 1 [Source:HGNC Symbol;Acc:HGNC:7680]
-0,897404472	6,80E-63	4,18E-61	<i>FHL2</i>	four and a half LIM domains 2 [Source:HGNC Symbol;Acc:HGNC:3703]
-0,896892924	9,58E-11	8,55E-10	<i>TCF7L1</i>	transcription factor 7 like 1 [Source:HGNC Symbol;Acc:HGNC:11640]
-0,896731145	0,001546173	0,005615765	<i>CTNNA2</i>	catenin alpha 2 [Source:HGNC Symbol;Acc:HGNC:2510]
-0,896646025	1,05E-37	3,33E-36	<i>MYC</i>	MYC proto-oncogene, bHLH transcription factor [Source:HGNC Symbol;Acc:HGNC:7553]
-0,896244249	2,17E-125	3,66E-123	<i>ACTG1</i>	actin gamma 1 [Source:HGNC Symbol;Acc:HGNC:144]
-0,895398781	1,16E-16	1,57E-15	<i>MAP3K14</i>	mitogen-activated protein kinase kinase kinase 14 [Source:HGNC Symbol;Acc:HGNC:6853]
-0,894728728	6,21E-06	3,40E-05	<i>SPATA5</i>	spermatogenesis associated 5 [Source:HGNC Symbol;Acc:HGNC:18119]
-0,894204392	4,47E-06	2,49E-05	<i>CCNE1</i>	cyclin E1 [Source:HGNC Symbol;Acc:HGNC:1589]
-0,893599816	6,44E-07	4,00E-06	<i>OLFM1</i>	olfactomedin 1 [Source:HGNC Symbol;Acc:HGNC:17187]
-0,893103276	3,09E-15	3,85E-14	<i>ADAMTS2</i>	ADAM metalloproteinase with thrombospondin type 1 motif 2 [Source:HGNC Symbol;Acc:HGNC:218]
-0,892619936	6,73E-66	4,41E-64	<i>COL4A2</i>	collagen type IV alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2203]
-0,891918647	6,11E-13	6,64E-12	<i>CFI</i>	complement factor I [Source:HGNC Symbol;Acc:HGNC:5394]

-0,891486277	2,29E-76	1,75E-74	<i>CAP1</i>	cyclase associated actin cytoskeleton regulatory protein 1 [Source:HGNC Symbol;Acc:HGNC:20040]
-0,890158762	1,46E-63	9,16E-62	<i>JPT1</i>	Jupiter microtubule associated homolog 1 [Source:HGNC Symbol;Acc:HGNC:14569]
-0,890009234	6,25E-06	3,42E-05	<i>HAUS8</i>	HAUS augmin like complex subunit 8 [Source:HGNC Symbol;Acc:HGNC:30532]
-0,889642729	1,81E-92	1,92E-90	<i>GNG12</i>	G protein subunit gamma 12 [Source:HGNC Symbol;Acc:HGNC:19663]
-0,889064885	5,78E-07	3,61E-06	<i>RBM24</i>	RNA binding motif protein 24 [Source:HGNC Symbol;Acc:HGNC:21539]
-0,888108522	8,60E-20	1,37E-18	<i>AMIGO2</i>	adhesion molecule with Ig like domain 2 [Source:HGNC Symbol;Acc:HGNC:24073]
-0,887957206	3,84E-05	0,000188594	<i>GAS2L3</i>	growth arrest specific 2 like 3 [Source:HGNC Symbol;Acc:HGNC:27475]
-0,886180112	3,57E-17	4,98E-16	<i>FAM107B</i>	family with sequence similarity 107 member B [Source:HGNC Symbol;Acc:HGNC:23726]
-0,886179948	1,45E-05	7,53E-05	<i>PDSS1</i>	decaprenyl diphosphate synthase subunit 1 [Source:HGNC Symbol;Acc:HGNC:17759]
-0,885851578	1,11E-23	2,09E-22	<i>ALDH4A1</i>	aldehyde dehydrogenase 4 family member A1 [Source:HGNC Symbol;Acc:HGNC:406]
-0,885849905	1,04E-16	1,41E-15	<i>BICC1</i>	BicC family RNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:19351]
-0,883046497	2,85E-15	3,55E-14	<i>FOXM1</i>	forkhead box M1 [Source:HGNC Symbol;Acc:HGNC:3818]
-0,882701658	1,39E-80	1,18E-78	<i>CDV3</i>	CDV3 homolog [Source:HGNC Symbol;Acc:HGNC:26928]
-0,88223512	4,93E-07	3,10E-06	<i>BRCA1</i>	BRCA1, DNA repair associated [Source:HGNC Symbol;Acc:HGNC:1100]
-0,880450971	2,47E-19	3,87E-18	<i>RACGAP1</i>	Rac GTPase activating protein 1 [Source:HGNC Symbol;Acc:HGNC:9804]
-0,880064614	9,25E-14	1,05E-12	<i>PARD3B</i>	par-3 family cell polarity regulator beta [Source:HGNC Symbol;Acc:HGNC:14446]
-0,879885614	5,18E-46	2,10E-44	<i>LMNB2</i>	lamin B2 [Source:HGNC Symbol;Acc:HGNC:6638]
-0,879845988	0,004311431	0,014147383	<i>FSCN2</i>	fascin actin-bundling protein 2, retinal [Source:HGNC Symbol;Acc:HGNC:3960]
-0,879086046	0,000803987	0,003110482	<i>SCLT1</i>	sodium channel and clathrin linker 1 [Source:HGNC Symbol;Acc:HGNC:26406]
-0,878814673	1,78E-25	3,64E-24	<i>ARHGAP31</i>	Rho GTPase activating protein 31 [Source:HGNC Symbol;Acc:HGNC:29216]
-0,878555215	5,15E-11	4,72E-10	<i>DPYSL5</i>	dihydropyrimidinase like 5 [Source:HGNC Symbol;Acc:HGNC:20637]
-0,877260875	9,89E-07	6,03E-06	<i>FRZB</i>	frizzled related protein [Source:HGNC Symbol;Acc:HGNC:3959]
-0,876560888	4,35E-20	7,02E-19	<i>IFRD2</i>	interferon related developmental regulator 2 [Source:HGNC Symbol;Acc:HGNC:5457]
-0,876120895	3,31E-66	2,18E-64	<i>EDIL3</i>	EGF like repeats and discoidin domains 3 [Source:HGNC Symbol;Acc:HGNC:3173]
-0,875783882	3,52E-28	7,98E-27	<i>COL9A2</i>	collagen type IX alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2218]
-0,874454864	1,18E-13	1,34E-12	<i>ZWILCH</i>	zwilch kinetochore protein [Source:HGNC Symbol;Acc:HGNC:25468]
-0,87323661	4,13E-09	3,23E-08	<i>NEGR1</i>	neuronal growth regulator 1 [Source:HGNC Symbol;Acc:HGNC:17302]
-0,872909772	2,21E-46	9,03E-45	<i>MYH10</i>	myosin heavy chain 10 [Source:HGNC Symbol;Acc:HGNC:7568]
-0,872128726	1,23E-28	2,86E-27	<i>CASKIN2</i>	CASK interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:18200]
-0,871944366	3,06E-30	7,58E-29	<i>PLXND1</i>	plexin D1 [Source:HGNC Symbol;Acc:HGNC:9107]
-0,870326093	0,004195982	0,01378954	<i>COL25A1</i>	collagen type XXV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:18603]
-0,869296791	3,26E-25	6,60E-24	<i>RAB11FIP1</i>	RAB11 family interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:30265]

-0,868878493	3,58E-36	1,08E-34	<i>MTHFD1L</i>	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1 like [Source:HGNC Symbol;Acc:HGNC:21055]
-0,867391676	1,27E-24	2,50E-23	<i>KCTD15</i>	potassium channel tetramerization domain containing 15 [Source:HGNC Symbol;Acc:HGNC:23297]
-0,866609238	5,58E-76	4,25E-74	<i>ZC3H7B</i>	zinc finger CCCH-type containing 7B [Source:HGNC Symbol;Acc:HGNC:30869]
-0,866376055	1,87E-11	1,79E-10	<i>ARHGEF26</i>	Rho guanine nucleotide exchange factor 26 [Source:HGNC Symbol;Acc:HGNC:24490]
-0,86630638	2,17E-16	2,88E-15	<i>CASC10</i>	cancer susceptibility 10 [Source:HGNC Symbol;Acc:HGNC:31448]
-0,865891388	1,64E-18	2,46E-17	<i>MAFK</i>	MAF bZIP transcription factor K [Source:HGNC Symbol;Acc:HGNC:6782]
-0,865776853	6,00E-08	4,19E-07	<i>LRRC3</i>	leucine rich repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:14965]
-0,86525522	6,13E-08	4,28E-07	<i>ZC3H12A</i>	zinc finger CCCH-type containing 12A [Source:HGNC Symbol;Acc:HGNC:26259]
-0,865148898	6,11E-08	4,27E-07	<i>NPY2R</i>	neuropeptide Y receptor Y2 [Source:HGNC Symbol;Acc:HGNC:7957]
-0,861929343	6,66E-40	2,24E-38	<i>CHPT1</i>	choline phosphotransferase 1 [Source:HGNC Symbol;Acc:HGNC:17852]
-0,860821149	5,81E-23	1,06E-21	<i>DIXDC1</i>	DIX domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23695]
-0,860429933	3,01E-55	1,52E-53	<i>ARHGAP23</i>	Rho GTPase activating protein 23 [Source:HGNC Symbol;Acc:HGNC:29293]
-0,860252789	9,24E-13	9,88E-12	<i>RECK</i>	reversion inducing cysteine rich protein with kazal motifs [Source:HGNC Symbol;Acc:HGNC:11345]
-0,858728146	6,04E-17	8,33E-16	<i>SAP30</i>	Sin3A associated protein 30 [Source:HGNC Symbol;Acc:HGNC:10532]
-0,85855696	1,16E-17	1,67E-16	<i>GPATCH4</i>	G-patch domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25982]
-0,857827058	1,33E-12	1,40E-11	<i>PLEKHG3</i>	pleckstrin homology and RhoGEF domain containing G3 [Source:HGNC Symbol;Acc:HGNC:20364]
-0,857786408	0,00983832	0,029278092	<i>GPR27</i>	G protein-coupled receptor 27 [Source:HGNC Symbol;Acc:HGNC:4482]
-0,857692708	2,96E-34	8,45E-33	<i>TEAD3</i>	TEA domain transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:11716]
-0,85717848	1,27E-46	5,22E-45	<i>ZFP36L2</i>	ZFP36 ring finger protein like 2 [Source:HGNC Symbol;Acc:HGNC:1108]
-0,85695964	0,000665123	0,00261582	<i>ATAD5</i>	ATPase family, AAA domain containing 5 [Source:HGNC Symbol;Acc:HGNC:25752]
-0,855409555	7,33E-14	8,42E-13	<i>NMT2</i>	N-myristoyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:7858]
-0,855290496	1,75E-26	3,73E-25	<i>STK38L</i>	serine/threonine kinase 38 like [Source:HGNC Symbol;Acc:HGNC:17848]
-0,85305609	3,35E-25	6,77E-24	<i>SRSF7</i>	serine and arginine rich splicing factor 7 [Source:HGNC Symbol;Acc:HGNC:10789]
-0,852775239	0,017869672	0,049111862	<i>C8orf48</i>	chromosome 8 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:26345]
-0,852714305	4,03E-18	5,94E-17	<i>LARGE1</i>	LARGE xylosyl- and glucuronyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:6511]
-0,851726232	1,21E-64	7,75E-63	<i>SMAD3</i>	SMAD family member 3 [Source:HGNC Symbol;Acc:HGNC:6769]
-0,851603708	7,88E-18	1,15E-16	<i>L3HYPDH</i>	trans-L-3-hydroxyproline dehydratase [Source:HGNC Symbol;Acc:HGNC:20488]
-0,851031801	6,51E-39	2,12E-37	<i>LPP</i>	LIM domain containing preferred translocation partner in lipoma [Source:HGNC Symbol;Acc:HGNC:6679]
-0,849056606	0,000382202	0,001569073	<i>PARPBP</i>	PARP1 binding protein [Source:HGNC Symbol;Acc:HGNC:26074]
-0,848494466	2,82E-08	2,03E-07	<i>AADAT</i>	aminoadipate aminotransferase [Source:HGNC Symbol;Acc:HGNC:17929]

-0,848478918	7,44E-06	4,04E-05	CA13	carbonic anhydrase 13 [Source:HGNC Symbol;Acc:HGNC:14914]
-0,848306649	7,13E-07	4,41E-06	NAV3	neuron navigator 3 [Source:HGNC Symbol;Acc:HGNC:15998]
-0,848171998	8,63E-09	6,53E-08	PKN3	protein kinase N3 [Source:HGNC Symbol;Acc:HGNC:17999]
-0,847900524	4,22E-11	3,91E-10	PNO1	partner of NOB1 homolog [Source:HGNC Symbol;Acc:HGNC:32790]
-0,846693893	3,44E-11	3,21E-10	CKS2	CDC28 protein kinase regulatory subunit 2 [Source:HGNC Symbol;Acc:HGNC:2000]
-0,844936085	2,37E-52	1,11E-50	SDC2	syndecan 2 [Source:HGNC Symbol;Acc:HGNC:10659]
-0,843560044	1,13E-18	1,71E-17	SHB	SH2 domain containing adaptor protein B [Source:HGNC Symbol;Acc:HGNC:10838]
-0,842950976	1,16E-63	7,30E-62	CNN3	calponin 3 [Source:HGNC Symbol;Acc:HGNC:2157]
-0,842547537	2,93E-30	7,28E-29	HMGB2	high mobility group box 2 [Source:HGNC Symbol;Acc:HGNC:5000]
-0,842248579	1,54E-23	2,87E-22	TLN2	talin 2 [Source:HGNC Symbol;Acc:HGNC:15447]
-0,841492758	0,014536499	0,041067886	FAM160A1	family with sequence similarity 160 member A1 [Source:HGNC Symbol;Acc:HGNC:34237]
-0,837160693	7,46E-05	0,000348975	SLFN12	schlafen family member 12 [Source:HGNC Symbol;Acc:HGNC:25500]
-0,836994756	0,00654863	0,020550245	RPS6KL1	ribosomal protein S6 kinase like 1 [Source:HGNC Symbol;Acc:HGNC:20222]
-0,836811819	9,78E-10	8,04E-09	PRR16	proline rich 16 [Source:HGNC Symbol;Acc:HGNC:29654]
-0,836606271	5,81E-06	3,20E-05	DBF4B	DBF4 zinc finger B [Source:HGNC Symbol;Acc:HGNC:17883]
-0,835713711	2,67E-05	0,000134237	C22orf23	chromosome 22 open reading frame 23 [Source:HGNC Symbol;Acc:HGNC:18589]
-0,83563303	0,001370007	0,005035293	FBXO36	F-box protein 36 [Source:HGNC Symbol;Acc:HGNC:27020]
-0,835549228	0,00025341	0,001072321	NALCN	sodium leak channel, non-selective [Source:HGNC Symbol;Acc:HGNC:19082]
-0,835206563	5,36E-28	1,21E-26	CTNNAL1	catenin alpha like 1 [Source:HGNC Symbol;Acc:HGNC:2512]
-0,834916199	5,16E-05	0,000248342	ELFN2	extracellular leucine rich repeat and fibronectin type III domain containing 2 [Source:HGNC Symbol;Acc:HGNC:29396]
-0,83366886	1,56E-57	8,34E-56	CCND1	cyclin D1 [Source:HGNC Symbol;Acc:HGNC:1582]
-0,832899213	7,60E-08	5,25E-07	MAPK4	mitogen-activated protein kinase 4 [Source:HGNC Symbol;Acc:HGNC:6878]
-0,832026832	3,50E-83	3,13E-81	WDR1	WD repeat domain 1 [Source:HGNC Symbol;Acc:HGNC:12754]
-0,831939877	6,52E-46	2,63E-44	PLCB3	phospholipase C beta 3 [Source:HGNC Symbol;Acc:HGNC:9056]
-0,83106459	5,96E-06	3,28E-05	CLTCL1	clathrin heavy chain like 1 [Source:HGNC Symbol;Acc:HGNC:2093]
-0,830574146	9,79E-05	0,000449279	DOK3	docking protein 3 [Source:HGNC Symbol;Acc:HGNC:24583]
-0,830043805	1,38E-47	5,80E-46	FUS	FUS RNA binding protein [Source:HGNC Symbol;Acc:HGNC:4010]
-0,829827395	5,43E-07	3,41E-06	FBN2	fibrillin 2 [Source:HGNC Symbol;Acc:HGNC:3604]
-0,829797519	2,25E-05	0,000114101	RBL1	RB transcriptional corepressor like 1 [Source:HGNC Symbol;Acc:HGNC:9893]
-0,829287721	5,96E-43	2,21E-41	CARD10	caspase recruitment domain family member 10 [Source:HGNC Symbol;Acc:HGNC:16422]
-0,829107006	7,41E-35	2,15E-33	SRM	spermidine synthase [Source:HGNC Symbol;Acc:HGNC:11296]
-0,827256082	6,65E-08	4,63E-07	ABHD17C	abhydrolase domain containing 17C [Source:HGNC Symbol;Acc:HGNC:26925]
-0,827244005	9,09E-10	7,50E-09	NOP16	NOP16 nucleolar protein [Source:HGNC Symbol;Acc:HGNC:26934]

-0,826856627	3,54E-17	4,94E-16	<i>UTP20</i>	UTP20, small subunit processome component [Source:HGNC Symbol;Acc:HGNC:17897]
-0,826526986	5,02E-48	2,14E-46	<i>COL8A1</i>	collagen type VIII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2215]
-0,826384596	9,81E-17	1,33E-15	<i>TIMELESS</i>	timeless circadian regulator [Source:HGNC Symbol;Acc:HGNC:11813]
-0,825944443	0,000520306	0,002079725	<i>PASK</i>	PAS domain containing serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:17270]
-0,825575514	0,003542893	0,011862212	<i>FAM53A</i>	family with sequence similarity 53 member A [Source:HGNC Symbol;Acc:HGNC:31860]
-0,824901071	8,36E-32	2,19E-30	<i>RNF41</i>	ring finger protein 41 [Source:HGNC Symbol;Acc:HGNC:18401]
-0,824553869	8,30E-83	7,39E-81	<i>ACTN4</i>	actinin alpha 4 [Source:HGNC Symbol;Acc:HGNC:166]
-0,824382558	7,95E-08	5,48E-07	<i>TSPAN15</i>	tetraspanin 15 [Source:HGNC Symbol;Acc:HGNC:23298]
-0,823546062	5,81E-12	5,76E-11	<i>CEP85</i>	centrosomal protein 85 [Source:HGNC Symbol;Acc:HGNC:25309]
-0,823043795	6,01E-24	1,16E-22	<i>CHN1</i>	chimerin 1 [Source:HGNC Symbol;Acc:HGNC:1943]
-0,822692519	0,000430059	0,001748608	<i>CHI3L2</i>	chitinase 3 like 2 [Source:HGNC Symbol;Acc:HGNC:1933]
-0,822371804	1,29E-12	1,37E-11	<i>BMP6</i>	bone morphogenetic protein 6 [Source:HGNC Symbol;Acc:HGNC:1073]
-0,821800184	6,13E-49	2,67E-47	<i>OSMR</i>	oncostatin M receptor [Source:HGNC Symbol;Acc:HGNC:8507]
-0,821403244	2,31E-08	1,68E-07	<i>ALPL</i>	alkaline phosphatase, liver/bone/kidney [Source:HGNC Symbol;Acc:HGNC:438]
-0,821359709	1,03E-47	4,36E-46	<i>SLC7A1</i>	solute carrier family 7 member 1 [Source:HGNC Symbol;Acc:HGNC:11057]
-0,820193559	0,011606971	0,033876506	<i>N4BP3</i>	NEDD4 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:29852]
-0,820035047	1,32E-06	7,94E-06	<i>SLC43A3</i>	solute carrier family 43 member 3 [Source:HGNC Symbol;Acc:HGNC:17466]
-0,818429278	3,67E-09	2,88E-08	<i>JDP2</i>	Jun dimerization protein 2 [Source:HGNC Symbol;Acc:HGNC:17546]
-0,817883972	0,005686534	0,018093603	<i>PODNL1</i>	podocan like 1 [Source:HGNC Symbol;Acc:HGNC:26275]
-0,817416925	8,64E-06	4,65E-05	<i>NUP35</i>	nucleoporin 35 [Source:HGNC Symbol;Acc:HGNC:29797]
-0,817266006	1,46E-17	2,09E-16	<i>DCTPP1</i>	dCTP pyrophosphatase 1 [Source:HGNC Symbol;Acc:HGNC:28777]
-0,816365841	1,84E-25	3,76E-24	<i>SHROOM3</i>	shroom family member 3 [Source:HGNC Symbol;Acc:HGNC:30422]
-0,816035112	1,03E-77	8,26E-76	<i>CALU</i>	calumenin [Source:HGNC Symbol;Acc:HGNC:1458]
-0,81478555	2,15E-79	1,78E-77	<i>TUBB</i>	tubulin beta class I [Source:HGNC Symbol;Acc:HGNC:20778]
-0,814576763	9,95E-10	8,17E-09	<i>PID1</i>	phosphotyrosine interaction domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26084]
-0,813286294	7,41E-20	1,18E-18	<i>BYSL</i>	bystin like [Source:HGNC Symbol;Acc:HGNC:1157]
-0,812664023	0,015449356	0,043318913	<i>ASNS</i>	asparagine synthetase (glutamine-hydrolyzing) [Source:HGNC Symbol;Acc:HGNC:753]
-0,811485642	3,49E-27	7,61E-26	<i>NFKBIA</i>	NFkB inhibitor alpha [Source:HGNC Symbol;Acc:HGNC:7797]
-0,811457132	1,15E-53	5,55E-52	<i>MYO1C</i>	myosin IC [Source:HGNC Symbol;Acc:HGNC:7597]
-0,810775216	2,38E-43	8,87E-42	<i>SEMA3C</i>	semaphorin 3C [Source:HGNC Symbol;Acc:HGNC:10725]
-0,809793262	4,74E-19	7,32E-18	<i>DYRK2</i>	dual specificity tyrosine phosphorylation regulated kinase 2 [Source:HGNC Symbol;Acc:HGNC:3093]
-0,808878735	2,18E-25	4,46E-24	<i>XBP1</i>	X-box binding protein 1 [Source:HGNC Symbol;Acc:HGNC:12801]
-0,807767476	6,44E-45	2,51E-43	<i>C1orf198</i>	chromosome 1 open reading frame 198 [Source:HGNC Symbol;Acc:HGNC:25900]
-0,807494688	3,41E-13	3,76E-12	<i>PYCR3</i>	pyrroline-5-carboxylate reductase 3 [Source:HGNC Symbol;Acc:HGNC:25846]
-0,807234961	4,39E-24	8,50E-23	<i>RCN3</i>	reticulocalbin 3 [Source:HGNC Symbol;Acc:HGNC:21145]
-0,805928106	1,40E-05	7,28E-05	<i>EIF5A2</i>	eukaryotic translation initiation factor 5A2 [Source:HGNC Symbol;Acc:HGNC:3301]

-0,804695108	1,79E-68	1,20E-66	<i>TUBB4B</i>	tubulin beta 4B class IVb [Source:HGNC Symbol;Acc:HGNC:20771]
-0,803939162	2,27E-10	1,98E-09	<i>SNX24</i>	sorting nexin 24 [Source:HGNC Symbol;Acc:HGNC:21533]
-0,803593952	1,73E-20	2,85E-19	<i>SMTN</i>	smoothelin [Source:HGNC Symbol;Acc:HGNC:11126]
-0,803065287	1,49E-10	1,32E-09	<i>GRAMD2B</i>	GRAM domain containing 2B [Source:HGNC Symbol;Acc:HGNC:24911]
-0,802961536	2,55E-15	3,19E-14	<i>S1PR3</i>	sphingosine-1-phosphate receptor 3 [Source:HGNC Symbol;Acc:HGNC:3167]
-0,801475674	6,08E-20	9,78E-19	<i>DUSP14</i>	dual specificity phosphatase 14 [Source:HGNC Symbol;Acc:HGNC:17007]
-0,80090676	1,85E-09	1,49E-08	<i>AFF3</i>	AF4/FMR2 family member 3 [Source:HGNC Symbol;Acc:HGNC:6473]
-0,800659559	4,51E-05	0,000218939	<i>SPATA33</i>	spermatogenesis associated 33 [Source:HGNC Symbol;Acc:HGNC:26463]
-0,800460185	0,0132382	0,037924492	<i>ZNF684</i>	zinc finger protein 684 [Source:HGNC Symbol;Acc:HGNC:28418]
-0,800390056	0,008165809	0,02488078	<i>EPSTI1</i>	epithelial stromal interaction 1 [Source:HGNC Symbol;Acc:HGNC:16465]
-0,800120976	4,97E-09	3,85E-08	<i>PRMT9</i>	protein arginine methyltransferase 9 [Source:HGNC Symbol;Acc:HGNC:25099]
-0,799908212	5,45E-17	7,53E-16	<i>INTS13</i>	integrator complex subunit 13 [Source:HGNC Symbol;Acc:HGNC:20174]
-0,799218483	1,09E-41	3,85E-40	<i>CYCS</i>	cytochrome c, somatic [Source:HGNC Symbol;Acc:HGNC:19986]
-0,798647824	6,53E-06	3,57E-05	<i>CXCL5</i>	C-X-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10642]
-0,798640884	6,38E-18	9,32E-17	<i>CEBPG</i>	CCAAT enhancer binding protein gamma [Source:HGNC Symbol;Acc:HGNC:1837]
-0,798018833	0,01060171	0,03125274	<i>GRPR</i>	gastrin releasing peptide receptor [Source:HGNC Symbol;Acc:HGNC:4609]
-0,797575918	3,07E-10	2,64E-09	<i>DUSP8</i>	dual specificity phosphatase 8 [Source:HGNC Symbol;Acc:HGNC:3074]
-0,797543742	0,000257328	0,001086768	<i>SGCD</i>	sarcoglycan delta [Source:HGNC Symbol;Acc:HGNC:10807]
-0,796876019	1,30E-05	6,78E-05	<i>FBXO5</i>	F-box protein 5 [Source:HGNC Symbol;Acc:HGNC:13584]
-0,796714969	4,13E-09	3,22E-08	<i>TMEM131L</i>	transmembrane 131 like [Source:HGNC Symbol;Acc:HGNC:29146]
-0,79592218	2,44E-06	1,41E-05	<i>CORO1A</i>	coronin 1A [Source:HGNC Symbol;Acc:HGNC:2252]
-0,795227049	9,50E-41	3,27E-39	<i>PDPN</i>	podoplanin [Source:HGNC Symbol;Acc:HGNC:29602]
-0,795212401	4,12E-15	5,07E-14	<i>TET3</i>	tet methylcytosine dioxygenase 3 [Source:HGNC Symbol;Acc:HGNC:28313]
-0,795181055	1,68E-06	9,91E-06	<i>PLSCR4</i>	phospholipid scramblase 4 [Source:HGNC Symbol;Acc:HGNC:16497]
-0,793962315	1,38E-09	1,12E-08	<i>DGKH</i>	diacylglycerol kinase eta [Source:HGNC Symbol;Acc:HGNC:2854]
-0,793320044	4,29E-09	3,34E-08	<i>TANGO6</i>	transport and golgi organization 6 homolog [Source:HGNC Symbol;Acc:HGNC:25749]
-0,793115814	2,17E-05	0,00011023	<i>SMAD9</i>	SMAD family member 9 [Source:HGNC Symbol;Acc:HGNC:6774]
-0,792810473	0,000436513	0,001771972	<i>LRRK1</i>	leucine rich repeat kinase 1 [Source:HGNC Symbol;Acc:HGNC:18608]
-0,792372408	2,94E-59	1,65E-57	<i>TUBA1B</i>	tubulin alpha 1b [Source:HGNC Symbol;Acc:HGNC:18809]
-0,791457503	2,62E-10	2,27E-09	<i>RNF217</i>	ring finger protein 217 [Source:HGNC Symbol;Acc:HGNC:21487]
-0,790770072	1,07E-21	1,86E-20	<i>CYP1B1</i>	cytochrome P450 family 1 subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:2597]
-0,790115645	0,008098322	0,024694538	<i>PGM5</i>	phosphoglucomutase 5 [Source:HGNC Symbol;Acc:HGNC:8908]
-0,788658394	2,14E-24	4,21E-23	<i>ELL2</i>	elongation factor for RNA polymerase II 2 [Source:HGNC Symbol;Acc:HGNC:17064]

-0,787176528	4,73E-26	9,95E-25	WWC3	WWC family member 3 [Source:HGNC Symbol;Acc:HGNC:29237]
-0,786407509	0,001468963	0,005365461	ZNF804A	zinc finger protein 804A [Source:HGNC Symbol;Acc:HGNC:21711]
-0,785409474	1,49E-16	1,99E-15	SLC1A4	solute carrier family 1 member 4 [Source:HGNC Symbol;Acc:HGNC:10942]
-0,785062018	8,90E-17	1,21E-15	BAMBI	BMP and activin membrane bound inhibitor [Source:HGNC Symbol;Acc:HGNC:30251]
-0,783918641	5,97E-15	7,27E-14	INCENP	inner centromere protein [Source:HGNC Symbol;Acc:HGNC:6058]
-0,783414682	4,74E-49	2,09E-47	HNRNPAB	heterogeneous nuclear ribonucleoprotein A/B [Source:HGNC Symbol;Acc:HGNC:5034]
-0,783155328	3,36E-56	1,74E-54	ENAH	ENAH, actin regulator [Source:HGNC Symbol;Acc:HGNC:18271]
-0,78279168	5,18E-18	7,60E-17	FZD8	frizzled class receptor 8 [Source:HGNC Symbol;Acc:HGNC:4046]
-0,782072603	5,44E-07	3,41E-06	PEX3	peroxisomal biogenesis factor 3 [Source:HGNC Symbol;Acc:HGNC:8858]
-0,779963325	1,26E-29	3,04E-28	GPR176	G protein-coupled receptor 176 [Source:HGNC Symbol;Acc:HGNC:32370]
-0,778229974	5,52E-13	6,03E-12	TMEM160	transmembrane protein 160 [Source:HGNC Symbol;Acc:HGNC:26042]
-0,778162048	0,000218426	0,000935093	MPP3	membrane palmitoylated protein 3 [Source:HGNC Symbol;Acc:HGNC:7221]
-0,7780613	4,17E-09	3,25E-08	ARHGAP10	Rho GTPase activating protein 10 [Source:HGNC Symbol;Acc:HGNC:26099]
-0,777015658	0,01030584	0,03049636	LPAR4	lysophosphatidic acid receptor 4 [Source:HGNC Symbol;Acc:HGNC:4478]
-0,77664651	5,04E-08	3,55E-07	RNF152	ring finger protein 152 [Source:HGNC Symbol;Acc:HGNC:26811]
-0,775250148	1,13E-10	1,01E-09	FANCI	FA complementation group I [Source:HGNC Symbol;Acc:HGNC:25568]
-0,774783848	1,33E-05	6,96E-05	MARS2	methionyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:25133]
-0,77475968	1,72E-06	1,02E-05	SERPING1	serpin family G member 1 [Source:HGNC Symbol;Acc:HGNC:1228]
-0,773436508	1,22E-45	4,86E-44	SERPINB6	serpin family B member 6 [Source:HGNC Symbol;Acc:HGNC:8950]
-0,773370997	1,50E-20	2,48E-19	TMPO	thymopoietin [Source:HGNC Symbol;Acc:HGNC:11875]
-0,771427878	6,80E-46	2,73E-44	CITED2	Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-terminal domain 2 [Source:HGNC Symbol;Acc:HGNC:1987]
-0,771284643	2,87E-27	6,28E-26	TTL	tubulin tyrosine ligase [Source:HGNC Symbol;Acc:HGNC:21586]
-0,768292341	3,63E-13	4,00E-12	SNRPA1	small nuclear ribonucleoprotein polypeptide A' [Source:HGNC Symbol;Acc:HGNC:11152]
-0,768094687	0,000552298	0,002198092	KCNK1	potassium two pore domain channel subfamily K member 1 [Source:HGNC Symbol;Acc:HGNC:6272]
-0,767488029	1,00E-17	1,45E-16	FOXC2	forkhead box C2 [Source:HGNC Symbol;Acc:HGNC:3801]
-0,767290203	1,80E-13	2,02E-12	GAR1	GAR1 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:14264]
-0,76664565	3,39E-05	0,000167521	RNF207	ring finger protein 207 [Source:HGNC Symbol;Acc:HGNC:32947]
-0,766660003	0,001883182	0,00670428	STBD1	starch binding domain 1 [Source:HGNC Symbol;Acc:HGNC:24854]
-0,765881063	0,000130402	0,000585374	DPY19L2	dpy-19 like 2 [Source:HGNC Symbol;Acc:HGNC:19414]
-0,765343685	0,000152255	0,000673045	DEXI	Dexi homolog [Source:HGNC Symbol;Acc:HGNC:13267]
-0,765026981	1,50E-05	7,75E-05	CENPN	centromere protein N [Source:HGNC Symbol;Acc:HGNC:30873]
-0,764902826	3,20E-59	1,80E-57	CKAP4	cytoskeleton associated protein 4 [Source:HGNC Symbol;Acc:HGNC:16991]

-0,764898754	5,53E-15	6,76E-14	<i>SLC19A1</i>	solute carrier family 19 member 1 [Source:HGNC Symbol;Acc:HGNC:10937]
-0,764412001	7,21E-28	1,61E-26	<i>ATAD3A</i>	ATPase family, AAA domain containing 3A [Source:HGNC Symbol;Acc:HGNC:25567]
-0,763603171	7,77E-08	5,36E-07	<i>OPCML</i>	opioid binding protein/cell adhesion molecule like [Source:HGNC Symbol;Acc:HGNC:8143]
-0,762118227	5,58E-15	6,81E-14	<i>ATAD3B</i>	ATPase family, AAA domain containing 3B [Source:HGNC Symbol;Acc:HGNC:24007]
-0,76199387	0,000904754	0,003457592	<i>CENPQ</i>	centromere protein Q [Source:HGNC Symbol;Acc:HGNC:21347]
-0,761722706	6,59E-10	5,51E-09	<i>RFC2</i>	replication factor C subunit 2 [Source:HGNC Symbol;Acc:HGNC:9970]
-0,760147085	0,008706489	0,026333873	<i>KCNT2</i>	potassium sodium-activated channel subfamily T member 2 [Source:HGNC Symbol;Acc:HGNC:18866]
-0,759707025	3,93E-06	2,21E-05	<i>PLSCR1</i>	phospholipid scramblase 1 [Source:HGNC Symbol;Acc:HGNC:9092]
-0,75932251	2,60E-44	9,90E-43	<i>FBXO32</i>	F-box protein 32 [Source:HGNC Symbol;Acc:HGNC:16731]
-0,756426728	1,23E-42	4,51E-41	<i>MPZL1</i>	myelin protein zero like 1 [Source:HGNC Symbol;Acc:HGNC:7226]
-0,756267636	1,96E-07	1,29E-06	<i>LTV1</i>	LTV1 ribosome biogenesis factor [Source:HGNC Symbol;Acc:HGNC:21173]
-0,756200734	0,000170773	0,000747581	<i>PIF1</i>	PIF1 5'-to-3' DNA helicase [Source:HGNC Symbol;Acc:HGNC:26220]
-0,756163886	1,34E-14	1,60E-13	<i>CEBPD</i>	CCAAT enhancer binding protein delta [Source:HGNC Symbol;Acc:HGNC:1835]
-0,75589444	0,002681654	0,009235169	<i>BBOF1</i>	basal body orientation factor 1 [Source:HGNC Symbol;Acc:HGNC:19855]
-0,755852845	6,28E-50	2,82E-48	<i>GARS</i>	glycyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:4162]
-0,754490849	4,66E-20	7,53E-19	<i>KDEL2</i>	KDEL motif containing 2 [Source:HGNC Symbol;Acc:HGNC:28496]
-0,754425841	1,34E-06	8,05E-06	<i>RFC3</i>	replication factor C subunit 3 [Source:HGNC Symbol;Acc:HGNC:9971]
-0,754287615	2,87E-22	5,08E-21	<i>ANKRD13A</i>	ankyrin repeat domain 13A [Source:HGNC Symbol;Acc:HGNC:21268]
-0,753747724	0,000157818	0,000695417	<i>POC1A</i>	POC1 centriolar protein A [Source:HGNC Symbol;Acc:HGNC:24488]
-0,75297081	3,00E-06	1,71E-05	<i>SUSD2</i>	sushi domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30667]
-0,752740755	8,16E-06	4,40E-05	<i>KCNK6</i>	potassium two pore domain channel subfamily K member 6 [Source:HGNC Symbol;Acc:HGNC:6281]
-0,752515738	1,29E-23	2,42E-22	<i>SRSF2</i>	serine and arginine rich splicing factor 2 [Source:HGNC Symbol;Acc:HGNC:10783]
-0,752291699	1,21E-05	6,35E-05	<i>FAM234B</i>	family with sequence similarity 234 member B [Source:HGNC Symbol;Acc:HGNC:29288]
-0,752224021	0,013010575	0,037347111	<i>PITX3</i>	paired like homeodomain 3 [Source:HGNC Symbol;Acc:HGNC:9006]
-0,75132435	1,99E-11	1,89E-10	<i>CHAF1A</i>	chromatin assembly factor 1 subunit A [Source:HGNC Symbol;Acc:HGNC:1910]
-0,751271628	9,10E-06	4,87E-05	<i>ARL13B</i>	ADP ribosylation factor like GTPase 13B [Source:HGNC Symbol;Acc:HGNC:25419]
-0,750697187	1,70E-21	2,92E-20	<i>PFAS</i>	phosphoribosylformylglycinamide synthase [Source:HGNC Symbol;Acc:HGNC:8863]
-0,750673072	5,12E-09	3,96E-08	<i>PHYHIPL</i>	phytanoyl-CoA 2-hydroxylase interacting protein like [Source:HGNC Symbol;Acc:HGNC:29378]
-0,750603075	8,65E-30	2,09E-28	<i>RRAS</i>	RAS related [Source:HGNC Symbol;Acc:HGNC:10447]
-0,749506022	0,009834388	0,029270879	<i>SH3TC2</i>	SH3 domain and tetratricopeptide repeats 2 [Source:HGNC Symbol;Acc:HGNC:29427]
-0,749468341	5,97E-18	8,72E-17	<i>MCM2</i>	minichromosome maintenance complex component 2 [Source:HGNC Symbol;Acc:HGNC:6944]
-0,748677851	4,77E-70	3,30E-68	<i>ANXA6</i>	annexin A6 [Source:HGNC Symbol;Acc:HGNC:544]

-0,748026453	0,009521191	0,028452147	<i>CFAP157</i>	cilia and flagella associated protein 157 [Source:HGNC Symbol;Acc:HGNC:27843]
-0,747995213	7,70E-09	5,86E-08	<i>SUSD5</i>	sushi domain containing 5 [Source:HGNC Symbol;Acc:HGNC:29061]
-0,747943314	1,53E-21	2,64E-20	<i>LOXL3</i>	lysyl oxidase like 3 [Source:HGNC Symbol;Acc:HGNC:13869]
-0,747468391	8,24E-24	1,57E-22	<i>LOXL4</i>	lysyl oxidase like 4 [Source:HGNC Symbol;Acc:HGNC:17171]
-0,747451393	5,93E-38	1,89E-36	<i>ATP13A3</i>	ATPase 13A3 [Source:HGNC Symbol;Acc:HGNC:24113]
-0,747351001	2,32E-06	1,35E-05	<i>NAV1</i>	neuron navigator 1 [Source:HGNC Symbol;Acc:HGNC:15989]
-0,746822973	2,80E-10	2,42E-09	<i>ATP10A</i>	ATPase phospholipid transporting 10A (putative) [Source:HGNC Symbol;Acc:HGNC:13542]
-0,746521839	2,71E-10	2,34E-09	<i>RABEPK</i>	Rab9 effector protein with kelch motifs [Source:HGNC Symbol;Acc:HGNC:16896]
-0,745955667	1,62E-09	1,30E-08	<i>USP31</i>	ubiquitin specific peptidase 31 [Source:HGNC Symbol;Acc:HGNC:20060]
-0,745841862	3,15E-12	3,22E-11	<i>TOPBP1</i>	DNA topoisomerase II binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17008]
-0,745689819	7,79E-09	5,93E-08	<i>INTU</i>	inturned planar cell polarity protein [Source:HGNC Symbol;Acc:HGNC:29239]
-0,745541225	2,04E-23	3,79E-22	<i>PMP22</i>	peripheral myelin protein 22 [Source:HGNC Symbol;Acc:HGNC:9118]
-0,743938715	3,35E-14	3,93E-13	<i>NEDD1</i>	neural precursor cell expressed, developmentally down-regulated 1 [Source:HGNC Symbol;Acc:HGNC:7723]
-0,743407704	0,003733806	0,012426384	<i>NCAN</i>	neurocan [Source:HGNC Symbol;Acc:HGNC:2465]
-0,742609394	0,000402311	0,001645712	<i>ITIH5</i>	inter-alpha-trypsin inhibitor heavy chain family member 5 [Source:HGNC Symbol;Acc:HGNC:21449]
-0,742170314	3,14E-45	1,23E-43	<i>PIEZO1</i>	piezo type mechanosensitive ion channel component 1 [Source:HGNC Symbol;Acc:HGNC:28993]
-0,741571264	4,66E-28	1,05E-26	<i>FRMD6</i>	FERM domain containing 6 [Source:HGNC Symbol;Acc:HGNC:19839]
-0,739980826	3,10E-49	1,37E-47	<i>SEPT11</i>	septin 11 [Source:HGNC Symbol;Acc:HGNC:25589]
-0,739460944	1,57E-29	3,77E-28	<i>TUBB2A</i>	tubulin beta 2A class IIa [Source:HGNC Symbol;Acc:HGNC:12412]
-0,739420583	0,003297742	0,011116203	<i>SAMD12</i>	sterile alpha motif domain containing 12 [Source:HGNC Symbol;Acc:HGNC:31750]
-0,738687511	4,59E-08	3,24E-07	<i>CMSS1</i>	cms1 ribosomal small subunit homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:28666]
-0,738336458	3,45E-10	2,96E-09	<i>HHIPL1</i>	HHIP like 1 [Source:HGNC Symbol;Acc:HGNC:19710]
-0,738162821	9,85E-25	1,96E-23	<i>RCAN1</i>	regulator of calcineurin 1 [Source:HGNC Symbol;Acc:HGNC:3040]
-0,73804822	6,58E-13	7,12E-12	<i>SMC2</i>	structural maintenance of chromosomes 2 [Source:HGNC Symbol;Acc:HGNC:14011]
-0,737721578	0,000194513	0,000842947	<i>MECOM</i>	MDS1 and EVI1 complex locus [Source:HGNC Symbol;Acc:HGNC:3498]
-0,737388721	4,76E-30	1,17E-28	<i>MYBBP1A</i>	MYB binding protein 1a [Source:HGNC Symbol;Acc:HGNC:7546]
-0,737250351	8,78E-05	0,000406215	<i>PTPRB</i>	protein tyrosine phosphatase, receptor type B [Source:HGNC Symbol;Acc:HGNC:9665]
-0,737097913	3,82E-06	2,15E-05	<i>TLL2</i>	tolloid like 2 [Source:HGNC Symbol;Acc:HGNC:11844]
-0,736299438	7,50E-27	1,62E-25	<i>CTIF</i>	cap binding complex dependent translation initiation factor [Source:HGNC Symbol;Acc:HGNC:23925]
-0,735330034	2,35E-29	5,62E-28	<i>RFTN1</i>	raftlin, lipid raft linker 1 [Source:HGNC Symbol;Acc:HGNC:30278]
-0,734370478	1,40E-20	2,32E-19	<i>SBDS</i>	SBDS, ribosome maturation factor [Source:HGNC Symbol;Acc:HGNC:19440]
-0,733871226	3,43E-28	7,80E-27	<i>NASP</i>	nuclear autoantigenic sperm protein [Source:HGNC Symbol;Acc:HGNC:7644]
-0,732582627	1,86E-06	1,09E-05	<i>SIK1B</i>	salt inducible kinase 1B (putative) [Source:HGNC Symbol;Acc:HGNC:52389]

-0,732283373	1,01E-22	1,82E-21	AMD1	adenosylmethionine decarboxylase 1 [Source:HGNC Symbol;Acc:HGNC:457]
-0,731347685	8,72E-06	4,69E-05	VRK1	vaccinia related kinase 1 [Source:HGNC Symbol;Acc:HGNC:12718]
-0,731275106	0,000769273	0,002987495	B3GNTL1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase like 1 [Source:HGNC Symbol;Acc:HGNC:21727]
-0,730482515	4,20E-07	2,66E-06	CENPO	centromere protein O [Source:HGNC Symbol;Acc:HGNC:28152]
-0,730356238	0,00065804	0,002590775	ZNF239	zinc finger protein 239 [Source:HGNC Symbol;Acc:HGNC:13031]
-0,729356806	2,60E-24	5,09E-23	STAT5B	signal transducer and activator of transcription 5B [Source:HGNC Symbol;Acc:HGNC:11367]
-0,728391634	1,21E-27	2,69E-26	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase [Source:HGNC Symbol;Acc:HGNC:1424]
-0,727877587	1,59E-54	7,94E-53	EZR	eZRin [Source:HGNC Symbol;Acc:HGNC:12691]
-0,727326258	1,05E-23	1,97E-22	GNL3	G protein nucleolar 3 [Source:HGNC Symbol;Acc:HGNC:29931]
-0,726580018	1,86E-34	5,34E-33	SRRT	serrate, RNA effector molecule [Source:HGNC Symbol;Acc:HGNC:24101]
-0,726502826	3,07E-13	3,40E-12	IER5L	immediate early response 5 like [Source:HGNC Symbol;Acc:HGNC:23679]
-0,725076284	1,93E-36	5,92E-35	UBE2S	ubiquitin conjugating enzyme E2 S [Source:HGNC Symbol;Acc:HGNC:17895]
-0,725076246	8,85E-34	2,47E-32	CAV2	caveolin 2 [Source:HGNC Symbol;Acc:HGNC:1528]
-0,724675467	2,20E-06	1,28E-05	RBM20	RNA binding motif protein 20 [Source:HGNC Symbol;Acc:HGNC:27424]
-0,7238687	3,52E-10	3,02E-09	EXOSC2	exosome component 2 [Source:HGNC Symbol;Acc:HGNC:17097]
-0,723525833	9,65E-18	1,40E-16	FKBP14	FK506 binding protein 14 [Source:HGNC Symbol;Acc:HGNC:18625]
-0,723491376	4,08E-19	6,33E-18	FAAP100	FA core complex associated protein 100 [Source:HGNC Symbol;Acc:HGNC:26171]
-0,722531832	0,00065337	0,002574476	CCDC18	coiled-coil domain containing 18 [Source:HGNC Symbol;Acc:HGNC:30370]
-0,721486003	1,76E-05	9,03E-05	INSYN2B	inhibitory synaptic factor family member 2B [Source:HGNC Symbol;Acc:HGNC:37271]
-0,721180726	8,38E-41	2,89E-39	MARS	methionyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:6898]
-0,719157063	5,21E-28	1,18E-26	SLC1A5	solute carrier family 1 member 5 [Source:HGNC Symbol;Acc:HGNC:10943]
-0,718829698	1,29E-07	8,69E-07	WDR4	WD repeat domain 4 [Source:HGNC Symbol;Acc:HGNC:12756]
-0,71841268	5,43E-47	2,26E-45	ALCAM	activated leukocyte cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:400]
-0,717181951	1,04E-08	7,80E-08	CENPX	centromere protein X [Source:HGNC Symbol;Acc:HGNC:11422]
-0,716999139	8,66E-07	5,31E-06	LCLAT1	lysocardiolipin acyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:26756]
-0,71678871	4,46E-39	1,46E-37	NPTN	neuroplastin [Source:HGNC Symbol;Acc:HGNC:17867]
-0,716533069	7,67E-20	1,23E-18	RIC1	RIC1 homolog, RAB6A GEF complex partner 1 [Source:HGNC Symbol;Acc:HGNC:17686]
-0,716232296	1,21E-42	4,45E-41	TRAM2	translocation associated membrane protein 2 [Source:HGNC Symbol;Acc:HGNC:16855]
-0,716079226	7,99E-13	8,60E-12	RELB	RELB proto-oncogene, NF-kB subunit [Source:HGNC Symbol;Acc:HGNC:9956]
-0,714591169	4,89E-32	1,29E-30	KCTD20	potassium channel tetramerization domain containing 20 [Source:HGNC Symbol;Acc:HGNC:21052]
-0,713292025	0,018069064	0,049575606	DSC2	desmocollin 2 [Source:HGNC Symbol;Acc:HGNC:3036]

-0,712941314	7,70E-19	1,18E-17	MICAL3	microtubule associated monooxygenase, calponin and LIM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:24694]
-0,7128309	2,05E-06	1,20E-05	NXT1	nuclear transport factor 2 like export factor 1 [Source:HGNC Symbol;Acc:HGNC:15913]
-0,712433017	5,36E-11	4,90E-10	MYO19	myosin XIX [Source:HGNC Symbol;Acc:HGNC:26234]
-0,711255675	1,96E-06	1,15E-05	TRIM14	tripartite motif containing 14 [Source:HGNC Symbol;Acc:HGNC:16283]
-0,710940633	4,92E-65	3,18E-63	MYL6	myosin light chain 6 [Source:HGNC Symbol;Acc:HGNC:7587]
-0,710922119	1,03E-29	2,49E-28	NOLC1	nucleolar and coiled-body phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:15608]
-0,71013498	0,000119134	0,000538156	TSEN2	tRNA splicing endonuclease subunit 2 [Source:HGNC Symbol;Acc:HGNC:28422]
-0,708591744	5,57E-45	2,17E-43	SERPINH1	serpin family H member 1 [Source:HGNC Symbol;Acc:HGNC:1546]
-0,707462477	6,92E-06	3,77E-05	APBA1	amyloid beta precursor protein binding family A member 1 [Source:HGNC Symbol;Acc:HGNC:578]
-0,707252867	4,17E-06	2,34E-05	CDKN2C	cyclin dependent kinase inhibitor 2C [Source:HGNC Symbol;Acc:HGNC:1789]
-0,707122233	1,05E-06	6,36E-06	SUV39H2	suppressor of variegation 3-9 homolog 2 [Source:HGNC Symbol;Acc:HGNC:17287]
-0,706623897	6,51E-17	8,95E-16	RRP7A	ribosomal RNA processing 7 homolog A [Source:HGNC Symbol;Acc:HGNC:24286]
-0,706520727	2,69E-11	2,54E-10	NOC3L	NOC3 like DNA replication regulator [Source:HGNC Symbol;Acc:HGNC:24034]
-0,706449332	7,18E-09	5,48E-08	TMEM206	transmembrane protein 206 [Source:HGNC Symbol;Acc:HGNC:25593]
-0,706314069	2,68E-06	1,54E-05	LUM	lumican [Source:HGNC Symbol;Acc:HGNC:6724]
-0,706054916	3,57E-19	5,57E-18	TRAF3	TNF receptor associated factor 3 [Source:HGNC Symbol;Acc:HGNC:12033]
-0,705919491	3,86E-16	5,03E-15	ZNHIT6	zinc finger HIT-type containing 6 [Source:HGNC Symbol;Acc:HGNC:26089]
-0,70572582	4,89E-14	5,69E-13	PTPN21	protein tyrosine phosphatase, non-receptor type 21 [Source:HGNC Symbol;Acc:HGNC:9651]
-0,705194485	6,51E-05	0,000308341	GUCY1A2	guanylate cyclase 1 soluble subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:4684]
-0,70466109	5,93E-13	6,45E-12	TLNRD1	talin rod domain containing 1 [Source:HGNC Symbol;Acc:HGNC:13519]
-0,704109629	1,57E-31	4,09E-30	GALNT1	polypeptide N-acetylgalactosaminyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:4123]
-0,703199124	5,63E-12	5,60E-11	COL16A1	collagen type XVI alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2193]
-0,702604651	2,39E-06	1,38E-05	LPAR1	lysophosphatidic acid receptor 1 [Source:HGNC Symbol;Acc:HGNC:3166]
-0,702340965	2,83E-05	0,000141396	ADAM33	ADAM metalloproteinase domain 33 [Source:HGNC Symbol;Acc:HGNC:15478]
-0,701909973	9,39E-14	1,07E-12	DHFR	dihydrofolate reductase [Source:HGNC Symbol;Acc:HGNC:2861]
-0,701414858	0,000117264	0,0005302	GALNT18	polypeptide N-acetylgalactosaminyltransferase 18 [Source:HGNC Symbol;Acc:HGNC:30488]
-0,701414831	2,38E-12	2,46E-11	NIP7	NIP7, nucleolar pre-rRNA processing protein [Source:HGNC Symbol;Acc:HGNC:24328]
-0,701347565	2,05E-13	2,29E-12	PRR5L	proline rich 5 like [Source:HGNC Symbol;Acc:HGNC:25878]
-0,701308284	2,00E-32	5,36E-31	CEMIP2	cell migration inducing hyaluronidase 2 [Source:HGNC Symbol;Acc:HGNC:11869]
-0,701150061	1,27E-14	1,52E-13	KDEL3	KDEL endoplasmic reticulum protein retention receptor 3 [Source:HGNC Symbol;Acc:HGNC:6306]
-0,700786956	0,0125587	0,0362508	CHEK2	checkpoint kinase 2 [Source:HGNC Symbol;Acc:HGNC:16627]

-0,700641206	0,00453445	0,014806584	<i>PINX1</i>	PIN2 (TERF1) interacting telomerase inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:30046]
-0,700464464	0,011697541	0,034104941	<i>FGF18</i>	fibroblast growth factor 18 [Source:HGNC Symbol;Acc:HGNC:3674]
-0,70040573	1,96E-23	3,64E-22	<i>STK38</i>	serine/threonine kinase 38 [Source:HGNC Symbol;Acc:HGNC:17847]
-0,700379509	4,35E-47	1,81E-45	<i>PICALM</i>	phosphatidylinositol binding clathrin assembly protein [Source:HGNC Symbol;Acc:HGNC:15514]
-0,700339342	6,17E-19	9,50E-18	<i>DKC1</i>	dyskerin pseudouridine synthase 1 [Source:HGNC Symbol;Acc:HGNC:2890]
-0,699727933	2,62E-31	6,76E-30	<i>IARS</i>	isoleucyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:5330]
-0,699061822	1,70E-06	1,00E-05	<i>FN1</i>	fibronectin 1 [Source:HGNC Symbol;Acc:HGNC:3778]
-0,698781454	4,26E-07	2,70E-06	<i>HSPB8</i>	heat shock protein family B (small) member 8 [Source:HGNC Symbol;Acc:HGNC:30171]
-0,698402339	3,33E-26	7,04E-25	<i>RAB11FIP5</i>	RAB11 family interacting protein 5 [Source:HGNC Symbol;Acc:HGNC:24845]
-0,698263839	7,73E-28	1,72E-26	<i>PODXL</i>	podocalyxin like [Source:HGNC Symbol;Acc:HGNC:9171]
-0,698115268	0,000207585	0,000892424	<i>THSD1</i>	thrombospondin type 1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:17754]
-0,697989691	0,000493783	0,001983925	<i>LRRC3B</i>	leucine rich repeat containing 3B [Source:HGNC Symbol;Acc:HGNC:28105]
-0,697866223	3,04E-05	0,000151533	<i>FLRT2</i>	fibronectin leucine rich transmembrane protein 2 [Source:HGNC Symbol;Acc:HGNC:3761]
-0,697771939	5,88E-09	4,52E-08	<i>PRR11</i>	proline rich 11 [Source:HGNC Symbol;Acc:HGNC:25619]
-0,697722663	8,44E-29	1,98E-27	<i>TOMM40</i>	translocase of outer mitochondrial membrane 40 [Source:HGNC Symbol;Acc:HGNC:18001]
-0,697530493	4,83E-13	5,29E-12	<i>LACTB</i>	lactamase beta [Source:HGNC Symbol;Acc:HGNC:16468]
-0,697389495	5,71E-10	4,80E-09	<i>FER</i>	FER tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3655]
-0,697351525	0,008156986	0,024861704	<i>TNFAIP8</i>	TNF alpha induced protein 8 [Source:HGNC Symbol;Acc:HGNC:17260]
-0,696686201	0,001096238	0,004112428	<i>FANCM</i>	FA complementation group M [Source:HGNC Symbol;Acc:HGNC:23168]
-0,695406854	8,73E-05	0,000404118	<i>SNAPC1</i>	small nuclear RNA activating complex polypeptide 1 [Source:HGNC Symbol;Acc:HGNC:11134]
-0,693787797	1,48E-10	1,31E-09	<i>TMEM170B</i>	transmembrane protein 170B [Source:HGNC Symbol;Acc:HGNC:34244]
-0,693734765	3,39E-29	8,06E-28	<i>FAM98A</i>	family with sequence similarity 98 member A [Source:HGNC Symbol;Acc:HGNC:24520]
-0,693730295	6,22E-09	4,77E-08	<i>KCNIP3</i>	potassium voltage-gated channel interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:15523]
-0,693642684	0,002047218	0,007244404	<i>ADCY7</i>	adenylate cyclase 7 [Source:HGNC Symbol;Acc:HGNC:238]
-0,693638951	4,66E-11	4,28E-10	<i>NBEAL2</i>	neurobeachin like 2 [Source:HGNC Symbol;Acc:HGNC:31928]
-0,692845308	3,55E-15	4,40E-14	<i>TDG</i>	thymine DNA glycosylase [Source:HGNC Symbol;Acc:HGNC:11700]
-0,692818999	4,92E-18	7,23E-17	<i>MRTO4</i>	MRT4 homolog, ribosome maturation factor [Source:HGNC Symbol;Acc:HGNC:18477]
-0,692045222	7,51E-28	1,68E-26	<i>CHSY1</i>	chondroitin sulfate synthase 1 [Source:HGNC Symbol;Acc:HGNC:17198]
-0,691881801	0,001315803	0,004849851	<i>NKX6-1</i>	NK6 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:7839]
-0,691056285	1,56E-24	3,08E-23	<i>GTPBP4</i>	GTP binding protein 4 [Source:HGNC Symbol;Acc:HGNC:21535]
-0,69088732	3,39E-09	2,66E-08	<i>AIMP2</i>	aminoacyl tRNA synthetase complex interacting multifunctional protein 2 [Source:HGNC Symbol;Acc:HGNC:20609]
-0,690787918	1,34E-18	2,03E-17	<i>TUBG1</i>	tubulin gamma 1 [Source:HGNC Symbol;Acc:HGNC:12417]

-0,690363648	6,07E-06	3,34E-05	<i>MASTL</i>	microtubule associated serine/threonine kinase like [Source:HGNC Symbol;Acc:HGNC:19042]
-0,690325627	2,86E-28	6,53E-27	<i>ADAM12</i>	ADAM metalloproteinase domain 12 [Source:HGNC Symbol;Acc:HGNC:190]
-0,690318293	3,27E-31	8,39E-30	<i>TMEM165</i>	transmembrane protein 165 [Source:HGNC Symbol;Acc:HGNC:30760]
-0,689449103	7,13E-19	1,09E-17	<i>VLDLR</i>	very low density lipoprotein receptor [Source:HGNC Symbol;Acc:HGNC:12698]
-0,688711921	7,51E-43	2,78E-41	<i>ARPC5</i>	actin related protein 2/3 complex subunit 5 [Source:HGNC Symbol;Acc:HGNC:708]
-0,688707062	2,29E-09	1,82E-08	<i>ITPR2</i>	inositol 1,4,5-trisphosphate receptor type 2 [Source:HGNC Symbol;Acc:HGNC:6181]
-0,687731304	3,02E-13	3,34E-12	<i>NUP107</i>	nucleoporin 107 [Source:HGNC Symbol;Acc:HGNC:29914]
-0,686427964	6,61E-46	2,66E-44	<i>EPHA2</i>	EPH receptor A2 [Source:HGNC Symbol;Acc:HGNC:3386]
-0,686085909	9,90E-27	2,13E-25	<i>FLNC</i>	filamin C [Source:HGNC Symbol;Acc:HGNC:3756]
-0,685885881	1,86E-50	8,41E-49	<i>MALT1</i>	MALT1 paracaspase [Source:HGNC Symbol;Acc:HGNC:6819]
-0,685354541	2,47E-42	8,91E-41	<i>NDFIP1</i>	Nedd4 family interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:17592]
-0,685306641	0,000751859	0,002924551	<i>ZFPM2</i>	zinc finger protein, FOG family member 2 [Source:HGNC Symbol;Acc:HGNC:16700]
-0,684475559	8,94E-18	1,30E-16	<i>GBP3</i>	guanylate binding protein 3 [Source:HGNC Symbol;Acc:HGNC:4184]
-0,68440576	6,23E-10	5,22E-09	<i>SLC35F3</i>	solute carrier family 35 member F3 [Source:HGNC Symbol;Acc:HGNC:23616]
-0,683791367	2,69E-06	1,54E-05	<i>C4orf46</i>	chromosome 4 open reading frame 46 [Source:HGNC Symbol;Acc:HGNC:27320]
-0,683349708	8,78E-19	1,34E-17	<i>WWC2</i>	WW and C2 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24148]
-0,682356033	1,51E-42	5,52E-41	<i>CCT5</i>	chaperonin containing TCP1 subunit 5 [Source:HGNC Symbol;Acc:HGNC:1618]
-0,682296811	3,31E-25	6,69E-24	<i>TIMM17A</i>	translocase of inner mitochondrial membrane 17A [Source:HGNC Symbol;Acc:HGNC:17315]
-0,681026457	1,49E-41	5,26E-40	<i>WNT5A</i>	Wnt family member 5A [Source:HGNC Symbol;Acc:HGNC:12784]
-0,680136264	0,012589	0,036327456	<i>MITF</i>	melanogenesis associated transcription factor [Source:HGNC Symbol;Acc:HGNC:7105]
-0,680082784	0,004610356	0,015024108	<i>GBX2</i>	gastrulation brain homeobox 2 [Source:HGNC Symbol;Acc:HGNC:4186]
-0,678930542	0,006454024	0,020296028	<i>CENPP</i>	centromere protein P [Source:HGNC Symbol;Acc:HGNC:32933]
-0,678687107	0,000115301	0,000522054	<i>JAZF1</i>	JAZF zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:28917]
-0,678279691	3,88E-48	1,66E-46	<i>KIRREL1</i>	kirre like nephrin family adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:15734]
-0,677919277	2,06E-34	5,89E-33	<i>MTCL1</i>	microtubule crosslinking factor 1 [Source:HGNC Symbol;Acc:HGNC:29121]
-0,677430058	0,000103023	0,000470968	<i>TIFA</i>	TRAF interacting protein with forkhead associated domain [Source:HGNC Symbol;Acc:HGNC:19075]
-0,677334356	0,000718066	0,002803779	<i>ZNF486</i>	zinc finger protein 486 [Source:HGNC Symbol;Acc:HGNC:20807]
-0,677217679	0,000199347	0,000860994	<i>PAQR4</i>	progesterin and adipoQ receptor family member 4 [Source:HGNC Symbol;Acc:HGNC:26386]
-0,677169205	1,17E-05	6,16E-05	<i>XRCC3</i>	X-ray repair cross complementing 3 [Source:HGNC Symbol;Acc:HGNC:12830]
-0,677156412	7,72E-06	4,18E-05	<i>BOLA3</i>	bolA family member 3 [Source:HGNC Symbol;Acc:HGNC:24415]
-0,676273632	1,48E-46	6,11E-45	<i>SRSF3</i>	serine and arginine rich splicing factor 3 [Source:HGNC Symbol;Acc:HGNC:10785]
-0,67511431	3,55E-24	6,89E-23	<i>ITSN1</i>	intersectin 1 [Source:HGNC Symbol;Acc:HGNC:6183]
-0,674652028	0,002329109	0,008139508	<i>HMCN1</i>	hemicentin 1 [Source:HGNC Symbol;Acc:HGNC:19194]

-0,674398943	0,000750263	0,002919341	TEX30	testis expressed 30 [Source:HGNC Symbol;Acc:HGNC:25188]
-0,674171411	4,06E-35	1,19E-33	SOD2	superoxide dismutase 2 [Source:HGNC Symbol;Acc:HGNC:11180]
-0,673545144	1,10E-23	2,08E-22	TGM2	transglutaminase 2 [Source:HGNC Symbol;Acc:HGNC:11778]
-0,673101345	2,13E-50	9,60E-49	SFPQ	splicing factor proline and glutamine rich [Source:HGNC Symbol;Acc:HGNC:10774]
-0,672575673	0,000175446	0,000766653	TRAF1	TNF receptor associated factor 1 [Source:HGNC Symbol;Acc:HGNC:12031]
-0,672484802	1,84E-34	5,31E-33	SLC12A4	solute carrier family 12 member 4 [Source:HGNC Symbol;Acc:HGNC:10913]
-0,672406551	4,24E-05	0,000207031	TVP23A	trans-golgi network vesicle protein 23 homolog A [Source:HGNC Symbol;Acc:HGNC:20398]
-0,671800284	0,009674627	0,028844033	GUCY1B1	guanylate cyclase 1 soluble subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:4687]
-0,670877571	3,98E-15	4,91E-14	CARS2	cysteinyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:25695]
-0,670622605	1,22E-37	3,86E-36	EHD1	EH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3242]
-0,670402615	5,61E-28	1,26E-26	RBMS1	RNA binding motif single stranded interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:9907]
-0,670280812	1,70E-41	5,98E-40	SSR3	signal sequence receptor subunit 3 [Source:HGNC Symbol;Acc:HGNC:11325]
-0,670113127	0,000941847	0,00358461	TIPIN	TIMELESS interacting protein [Source:HGNC Symbol;Acc:HGNC:30750]
-0,669756284	0,000365126	0,001502149	TEDC2	tubulin epsilon and delta complex 2 [Source:HGNC Symbol;Acc:HGNC:25849]
-0,669051572	4,74E-13	5,20E-12	FAM107A	family with sequence similarity 107 member A [Source:HGNC Symbol;Acc:HGNC:30827]
-0,667973596	1,02E-38	3,32E-37	THY1	Thy-1 cell surface antigen [Source:HGNC Symbol;Acc:HGNC:11801]
-0,6675272	0,003027199	0,010306285	APOBEC3B	apolipoprotein B mRNA editing enzyme catalytic subunit 3B [Source:HGNC Symbol;Acc:HGNC:17352]
-0,667309089	9,49E-24	1,80E-22	ICMT	isoprenylcysteine carboxyl methyltransferase [Source:HGNC Symbol;Acc:HGNC:5350]
-0,667221858	1,16E-08	8,66E-08	RARB	retinoic acid receptor beta [Source:HGNC Symbol;Acc:HGNC:9865]
-0,666501367	7,92E-05	0,000369052	ZNF649	zinc finger protein 649 [Source:HGNC Symbol;Acc:HGNC:25741]
-0,666281192	2,93E-14	3,46E-13	METRNL	meteorin like, glial cell differentiation regulator [Source:HGNC Symbol;Acc:HGNC:27584]
-0,665635496	0,000475017	0,001916859	ARAP2	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2 [Source:HGNC Symbol;Acc:HGNC:16924]
-0,665482313	3,32E-06	1,88E-05	CLN6	CLN6, transmembrane ER protein [Source:HGNC Symbol;Acc:HGNC:2077]
-0,664423882	1,93E-07	1,27E-06	SMAD7	SMAD family member 7 [Source:HGNC Symbol;Acc:HGNC:6773]
-0,663972885	0,003017476	0,01027679	DNA2	DNA replication helicase/nuclease 2 [Source:HGNC Symbol;Acc:HGNC:2939]
-0,663897167	9,01E-14	1,03E-12	PPIF	peptidylprolyl isomerase F [Source:HGNC Symbol;Acc:HGNC:9259]
-0,663056633	2,05E-09	1,64E-08	CCDC14	coiled-coil domain containing 14 [Source:HGNC Symbol;Acc:HGNC:25766]
-0,662634512	1,99E-08	1,46E-07	CLCF1	cardiotrophin like cytokine factor 1 [Source:HGNC Symbol;Acc:HGNC:17412]
-0,66192371	1,26E-11	1,22E-10	CENPV	centromere protein V [Source:HGNC Symbol;Acc:HGNC:29920]
-0,661799422	1,25E-25	2,60E-24	H2AFZ	H2A histone family member Z [Source:HGNC Symbol;Acc:HGNC:4741]
-0,66050402	9,47E-18	1,38E-16	FAM84B	family with sequence similarity 84 member B [Source:HGNC Symbol;Acc:HGNC:24166]

-0,659984566	5,23E-17	7,22E-16	PEAK1	pseudopodium enriched atypical kinase 1 [Source:HGNC Symbol;Acc:HGNC:29431]
-0,659877871	4,22E-29	1,00E-27	MAPRE1	microtubule associated protein RP/EB family member 1 [Source:HGNC Symbol;Acc:HGNC:6890]
-0,659641251	3,30E-28	7,52E-27	SBN02	strawberry notch homolog 2 [Source:HGNC Symbol;Acc:HGNC:29158]
-0,659242115	1,06E-14	1,27E-13	ACOT9	acyl-CoA thioesterase 9 [Source:HGNC Symbol;Acc:HGNC:17152]
-0,658972771	3,16E-06	1,80E-05	CCNJ	cyclin J [Source:HGNC Symbol;Acc:HGNC:23434]
-0,656880972	8,70E-11	7,81E-10	SPARC	secreted protein acidic and cysteine rich [Source:HGNC Symbol;Acc:HGNC:11219]
-0,656736706	6,69E-08	4,66E-07	GBP2	guanylate binding protein 2 [Source:HGNC Symbol;Acc:HGNC:4183]
-0,656721255	0,006812681	0,021238054	ZNF749	zinc finger protein 749 [Source:HGNC Symbol;Acc:HGNC:32783]
-0,656666608	3,94E-22	6,95E-21	MTHFD1	methylenetetrahydrofolate dehydrogenase, cyclohydrolase and formyltetrahydrofolate synthetase 1 [Source:HGNC Symbol;Acc:HGNC:7432]
-0,656080904	1,11E-09	9,04E-09	PHACTR2	phosphatase and actin regulator 2 [Source:HGNC Symbol;Acc:HGNC:20956]
-0,655641736	2,31E-18	3,43E-17	TCERG1	transcription elongation regulator 1 [Source:HGNC Symbol;Acc:HGNC:15630]
-0,655463278	5,25E-10	4,43E-09	KCTD11	potassium channel tetramerization domain containing 11 [Source:HGNC Symbol;Acc:HGNC:21302]
-0,655120853	0,000404081	0,001651559	NRIP3	nuclear receptor interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:1167]
-0,654104132	1,31E-13	1,48E-12	SRSF1	serine and arginine rich splicing factor 1 [Source:HGNC Symbol;Acc:HGNC:10780]
-0,653341138	4,96E-12	4,96E-11	ADARB1	adenosine deaminase, RNA specific B1 [Source:HGNC Symbol;Acc:HGNC:226]
-0,653194499	2,82E-14	3,32E-13	FOSL1	FOS like 1, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:13718]
-0,653145018	7,49E-40	2,50E-38	PLOD1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:9081]
-0,653133955	4,74E-13	5,20E-12	PPIL1	peptidylprolyl isomerase like 1 [Source:HGNC Symbol;Acc:HGNC:9260]
-0,653092624	6,83E-05	0,000322318	SP140L	SP140 nuclear body protein like [Source:HGNC Symbol;Acc:HGNC:25105]
-0,653014018	3,64E-10	3,11E-09	REEP4	receptor accessory protein 4 [Source:HGNC Symbol;Acc:HGNC:26176]
-0,652959986	7,39E-13	7,96E-12	RCC1	regulator of chromosome condensation 1 [Source:HGNC Symbol;Acc:HGNC:1913]
-0,651759291	6,38E-12	6,31E-11	NIFK	nucleolar protein interacting with the FHA domain of MKI67 [Source:HGNC Symbol;Acc:HGNC:17838]
-0,651584524	0,006566363	0,020599231	NECAB1	N-terminal EF-hand calcium binding protein 1 [Source:HGNC Symbol;Acc:HGNC:20983]
-0,650428475	2,78E-15	3,46E-14	GGH	gamma-glutamyl hydrolase [Source:HGNC Symbol;Acc:HGNC:4248]
-0,65018509	2,93E-06	1,68E-05	TMEM45A	transmembrane protein 45A [Source:HGNC Symbol;Acc:HGNC:25480]
-0,649371015	1,29E-30	3,24E-29	COLGALT1	collagen beta(1-O)galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:26182]
-0,647949385	0,002325053	0,008129727	TTL11	tubulin tyrosine ligase like 11 [Source:HGNC Symbol;Acc:HGNC:18113]
-0,647706063	3,74E-16	4,88E-15	FARSB	phenylalanyl-tRNA synthetase subunit beta [Source:HGNC Symbol;Acc:HGNC:17800]
-0,647595312	2,30E-18	3,42E-17	TSPAN4	tetraspanin 4 [Source:HGNC Symbol;Acc:HGNC:11859]
-0,647282727	1,07E-09	8,73E-09	C1R	complement C1r [Source:HGNC Symbol;Acc:HGNC:1246]
-0,647214632	1,22E-56	6,48E-55	CLIC4	chloride intracellular channel 4 [Source:HGNC Symbol;Acc:HGNC:13518]
-0,646518728	9,11E-16	1,16E-14	PAX8	paired box 8 [Source:HGNC Symbol;Acc:HGNC:8622]

-0,646025208	0,000983429	0,003725245	<i>GRID1</i>	glutamate ionotropic receptor delta type subunit 1 [Source:HGNC Symbol;Acc:HGNC:4575]
-0,645488592	3,41E-05	0,000168383	<i>KLHL29</i>	kelch like family member 29 [Source:HGNC Symbol;Acc:HGNC:29404]
-0,64541374	1,59E-12	1,67E-11	<i>HAUS6</i>	HAUS augmin like complex subunit 6 [Source:HGNC Symbol;Acc:HGNC:25948]
-0,645101492	2,42E-06	1,40E-05	<i>MAK16</i>	MAK16 homolog [Source:HGNC Symbol;Acc:HGNC:13703]
-0,644992555	1,29E-09	1,05E-08	<i>C1S</i>	complement C1s [Source:HGNC Symbol;Acc:HGNC:1247]
-0,644954599	1,03E-42	3,80E-41	<i>ITGA5</i>	integrin subunit alpha 5 [Source:HGNC Symbol;Acc:HGNC:6141]
-0,644359758	0,007976338	0,024372352	<i>RFXAP</i>	regulatory factor X associated protein [Source:HGNC Symbol;Acc:HGNC:9988]
-0,643784701	6,45E-08	4,49E-07	<i>VDR</i>	vitamin D receptor [Source:HGNC Symbol;Acc:HGNC:12679]
-0,643748679	6,84E-08	4,76E-07	<i>GATM</i>	glycine amidinotransferase [Source:HGNC Symbol;Acc:HGNC:4175]
-0,642077906	1,52E-26	3,25E-25	<i>DCLK1</i>	doublecortin like kinase 1 [Source:HGNC Symbol;Acc:HGNC:2700]
-0,641821385	4,42E-12	4,44E-11	<i>LAMA1</i>	laminin subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:6481]
-0,641432442	8,85E-05	0,000409444	<i>FBXO17</i>	F-box protein 17 [Source:HGNC Symbol;Acc:HGNC:18754]
-0,641035337	2,67E-15	3,33E-14	<i>ILDR2</i>	immunoglobulin like domain containing receptor 2 [Source:HGNC Symbol;Acc:HGNC:18131]
-0,640798045	0,002548142	0,008819197	<i>P2RY11</i>	purinergic receptor P2Y11 [Source:HGNC Symbol;Acc:HGNC:8540]
-0,640333003	2,44E-28	5,61E-27	<i>FJX1</i>	four jointed box 1 [Source:HGNC Symbol;Acc:HGNC:17166]
-0,64011043	1,08E-22	1,95E-21	<i>RANBP1</i>	RAN binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9847]
-0,639570521	7,62E-29	1,79E-27	<i>TWSG1</i>	twisted gastrulation BMP signaling modulator 1 [Source:HGNC Symbol;Acc:HGNC:12429]
-0,639465523	2,16E-43	8,08E-42	<i>DKK3</i>	dickkopf WNT signaling pathway inhibitor 3 [Source:HGNC Symbol;Acc:HGNC:2893]
-0,639169123	2,08E-41	7,30E-40	<i>ERRFI1</i>	ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:18185]
-0,639019649	2,58E-08	1,87E-07	<i>KLF5</i>	Kruppel like factor 5 [Source:HGNC Symbol;Acc:HGNC:6349]
-0,638793355	1,64E-09	1,32E-08	<i>SKP2</i>	S-phase kinase associated protein 2 [Source:HGNC Symbol;Acc:HGNC:10901]
-0,638724308	0,001695866	0,006095569	<i>CCDC34</i>	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]
-0,638653457	2,84E-05	0,000141819	<i>TRIM47</i>	tripartite motif containing 47 [Source:HGNC Symbol;Acc:HGNC:19020]
-0,638214352	0,000418861	0,001708368	<i>ZNF107</i>	zinc finger protein 107 [Source:HGNC Symbol;Acc:HGNC:12887]
-0,637015157	2,63E-06	1,51E-05	<i>RPGRIP1L</i>	RPGRIP1 like [Source:HGNC Symbol;Acc:HGNC:29168]
-0,636366994	0,007902754	0,024185592	<i>PRKG1</i>	protein kinase cGMP-dependent 1 [Source:HGNC Symbol;Acc:HGNC:9414]
-0,636351669	8,73E-05	0,000404118	<i>PRIM2</i>	DNA primase subunit 2 [Source:HGNC Symbol;Acc:HGNC:9370]
-0,63593933	4,58E-05	0,000221945	<i>SETMAR</i>	SET domain and mariner transposase fusion gene [Source:HGNC Symbol;Acc:HGNC:10762]
-0,635655476	2,54E-05	0,000127879	<i>CCNF</i>	cyclin F [Source:HGNC Symbol;Acc:HGNC:1591]
-0,63559177	1,47E-18	2,21E-17	<i>USB1</i>	U6 snRNA biogenesis phosphodiesterase 1 [Source:HGNC Symbol;Acc:HGNC:25792]
-0,635551659	3,81E-17	5,30E-16	<i>VKORC1L1</i>	vitamin K epoxide reductase complex subunit 1 like 1 [Source:HGNC Symbol;Acc:HGNC:21492]
-0,634702415	5,48E-22	9,59E-21	<i>TGFBR1</i>	transforming growth factor beta receptor 1 [Source:HGNC Symbol;Acc:HGNC:11772]
-0,634480845	0,005788663	0,018397445	<i>SFXN2</i>	sideroflexin 2 [Source:HGNC Symbol;Acc:HGNC:16086]

-0,634138348	7,06E-11	6,39E-10	<i>RFWD3</i>	ring finger and WD repeat domain 3 [Source:HGNC Symbol;Acc:HGNC:25539]
-0,634087486	1,74E-21	2,98E-20	<i>PKD1</i>	polycystin 1, transient receptor potential channel interacting [Source:HGNC Symbol;Acc:HGNC:9008]
-0,63377775	1,14E-52	5,38E-51	<i>HSPA8</i>	heat shock protein family A (Hsp70) member 8 [Source:HGNC Symbol;Acc:HGNC:5241]
-0,633719292	1,93E-06	1,13E-05	<i>CDCA7</i>	cell division cycle associated 7 [Source:HGNC Symbol;Acc:HGNC:14628]
-0,633097284	2,96E-16	3,90E-15	<i>GRWD1</i>	glutamate rich WD repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:21270]
-0,632965721	6,03E-29	1,42E-27	<i>EML1</i>	echinoderm microtubule associated protein like 1 [Source:HGNC Symbol;Acc:HGNC:3330]
-0,632620212	1,36E-27	3,02E-26	<i>HLA-B</i>	major histocompatibility complex, class I, B [Source:HGNC Symbol;Acc:HGNC:4932]
-0,632359327	0,002953938	0,010083399	<i>CD3EAP</i>	CD3e molecule associated protein [Source:HGNC Symbol;Acc:HGNC:24219]
-0,631990495	9,69E-45	3,75E-43	<i>ADAM9</i>	ADAM metalloproteinase domain 9 [Source:HGNC Symbol;Acc:HGNC:216]
-0,631915534	2,65E-21	4,53E-20	<i>ABCE1</i>	ATP binding cassette subfamily E member 1 [Source:HGNC Symbol;Acc:HGNC:69]
-0,63184592	1,62E-27	3,58E-26	<i>WARS</i>	tryptophanyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:12729]
-0,631803481	5,05E-15	6,21E-14	<i>RBPM5</i>	RNA binding protein, mRNA processing factor [Source:HGNC Symbol;Acc:HGNC:19097]
-0,631352841	4,51E-30	1,11E-28	<i>IPO5</i>	importin 5 [Source:HGNC Symbol;Acc:HGNC:6402]
-0,630727633	1,71E-26	3,65E-25	<i>FARP1</i>	FERM, ARH/RhoGEF and pleckstrin domain protein 1 [Source:HGNC Symbol;Acc:HGNC:3591]
-0,630601938	7,11E-07	4,40E-06	<i>RRP15</i>	ribosomal RNA processing 15 homolog [Source:HGNC Symbol;Acc:HGNC:24255]
-0,629590705	3,38E-16	4,43E-15	<i>LITAF</i>	lipopolysaccharide induced TNF factor [Source:HGNC Symbol;Acc:HGNC:16841]
-0,629389486	0,001654023	0,005963949	<i>CEP135</i>	centrosomal protein 135 [Source:HGNC Symbol;Acc:HGNC:29086]
-0,629290761	1,20E-07	8,09E-07	<i>CTDSPL</i>	CTD small phosphatase like [Source:HGNC Symbol;Acc:HGNC:16890]
-0,628859432	0,003062	0,010408332	<i>GABRA3</i>	gamma-aminobutyric acid type A receptor alpha3 subunit [Source:HGNC Symbol;Acc:HGNC:4077]
-0,628200465	3,50E-17	4,89E-16	<i>XPO5</i>	exportin 5 [Source:HGNC Symbol;Acc:HGNC:17675]
-0,628145029	9,30E-23	1,69E-21	<i>NOP56</i>	NOP56 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:15911]
-0,628079131	1,20E-11	1,16E-10	<i>DSG2</i>	desmoglein 2 [Source:HGNC Symbol;Acc:HGNC:3049]
-0,627659674	2,29E-15	2,87E-14	<i>DDX39A</i>	DExD-box helicase 39A [Source:HGNC Symbol;Acc:HGNC:17821]
-0,626845002	3,40E-20	5,51E-19	<i>IDH2</i>	isocitrate dehydrogenase (NADP(+)) 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:5383]
-0,626272614	0,005720928	0,01819707	<i>TPD52</i>	tumor protein D52 [Source:HGNC Symbol;Acc:HGNC:12005]
-0,625794021	8,20E-13	8,81E-12	<i>LPCAT2</i>	lysophosphatidylcholine acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:26032]
-0,625348806	5,66E-16	7,32E-15	<i>ABL2</i>	ABL proto-oncogene 2, non-receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:77]
-0,624724943	1,75E-05	8,98E-05	<i>PLGRKT</i>	plasminogen receptor with a C-terminal lysine [Source:HGNC Symbol;Acc:HGNC:23633]
-0,624498843	2,57E-10	2,22E-09	<i>CCDC86</i>	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]
-0,62433263	0,000206288	0,000887041	<i>SLC19A2</i>	solute carrier family 19 member 2 [Source:HGNC Symbol;Acc:HGNC:10938]
-0,623344378	9,34E-11	8,35E-10	<i>ZMYND19</i>	zinc finger MYND-type containing 19 [Source:HGNC Symbol;Acc:HGNC:21146]
-0,623146645	4,58E-24	8,85E-23	<i>RHEB</i>	Ras homolog, mTORC1 binding [Source:HGNC Symbol;Acc:HGNC:10011]

-0,623011252	2,41E-14	2,85E-13	<i>SERTAD2</i>	SERTA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30784]
-0,62300974	5,98E-20	9,64E-19	<i>FAM114A1</i>	family with sequence similarity 114 member A1 [Source:HGNC Symbol;Acc:HGNC:25087]
-0,62284916	5,00E-40	1,68E-38	<i>KIF1C</i>	kinesin family member 1C [Source:HGNC Symbol;Acc:HGNC:6317]
-0,622515414	1,47E-14	1,76E-13	<i>SLC25A4</i>	solute carrier family 25 member 4 [Source:HGNC Symbol;Acc:HGNC:10990]
-0,622485362	4,74E-33	1,30E-31	<i>XPO6</i>	exportin 6 [Source:HGNC Symbol;Acc:HGNC:19733]
-0,622411004	3,97E-05	0,00019452	<i>PTGER4</i>	prostaglandin E receptor 4 [Source:HGNC Symbol;Acc:HGNC:9596]
-0,622387584	1,05E-26	2,25E-25	<i>MAT2A</i>	methionine adenosyltransferase 2A [Source:HGNC Symbol;Acc:HGNC:6904]
-0,622141971	0,000448925	0,001817996	<i>RELT</i>	RELT, TNF receptor [Source:HGNC Symbol;Acc:HGNC:13764]
-0,622122599	0,002756786	0,009462693	<i>CYP2R1</i>	cytochrome P450 family 2 subfamily R member 1 [Source:HGNC Symbol;Acc:HGNC:20580]
-0,622062468	2,92E-11	2,74E-10	<i>SIPA1L2</i>	signal induced proliferation associated 1 like 2 [Source:HGNC Symbol;Acc:HGNC:23800]
-0,621220616	0,005458488	0,017458546	<i>GABRG3</i>	gamma-aminobutyric acid type A receptor gamma3 subunit [Source:HGNC Symbol;Acc:HGNC:4088]
-0,62120994	2,53E-11	2,39E-10	<i>FARP2</i>	FERM, ARH/RhoGEF and pleckstrin domain protein 2 [Source:HGNC Symbol;Acc:HGNC:16460]
-0,620857604	1,50E-05	7,78E-05	<i>TTC13</i>	tetratricopeptide repeat domain 13 [Source:HGNC Symbol;Acc:HGNC:26204]
-0,620578303	0,000115109	0,000521429	<i>DSN1</i>	DSN1 homolog, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]
-0,620304323	1,07E-24	2,12E-23	<i>CTXN1</i>	cortexin 1 [Source:HGNC Symbol;Acc:HGNC:31108]
-0,619768571	3,28E-15	4,07E-14	<i>WDR5</i>	WD repeat domain 5 [Source:HGNC Symbol;Acc:HGNC:12757]
-0,619221174	3,49E-34	9,90E-33	<i>GJA1</i>	gap junction protein alpha 1 [Source:HGNC Symbol;Acc:HGNC:4274]
-0,618756682	1,78E-08	1,31E-07	<i>DNAJC9</i>	DnaJ heat shock protein family (Hsp40) member C9 [Source:HGNC Symbol;Acc:HGNC:19123]
-0,618701243	8,47E-11	7,61E-10	<i>JADE1</i>	jade family PHD finger 1 [Source:HGNC Symbol;Acc:HGNC:30027]
-0,618296958	2,27E-12	2,35E-11	<i>KLHL42</i>	kelch like family member 42 [Source:HGNC Symbol;Acc:HGNC:29252]
-0,617629472	1,60E-11	1,53E-10	<i>SYTL2</i>	synaptotagmin like 2 [Source:HGNC Symbol;Acc:HGNC:15585]
-0,617430964	3,12E-11	2,92E-10	<i>GRK6</i>	G protein-coupled receptor kinase 6 [Source:HGNC Symbol;Acc:HGNC:4545]
-0,617371227	8,31E-05	0,000385764	<i>RXYLT1</i>	ribitol xylosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:13530]
-0,617326983	8,99E-06	4,82E-05	<i>PREX2</i>	phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchange factor 2 [Source:HGNC Symbol;Acc:HGNC:22950]
-0,616774168	2,23E-22	3,97E-21	<i>PGRMC2</i>	progesterone receptor membrane component 2 [Source:HGNC Symbol;Acc:HGNC:16089]
-0,616261144	2,12E-20	3,48E-19	<i>BCAR3</i>	BCAR3, NSP family adaptor protein [Source:HGNC Symbol;Acc:HGNC:973]
-0,61562873	1,21E-22	2,18E-21	<i>KCTD10</i>	potassium channel tetramerization domain containing 10 [Source:HGNC Symbol;Acc:HGNC:23236]
-0,615276052	0,000131273	0,00058874	<i>MSLN</i>	mesothelin [Source:HGNC Symbol;Acc:HGNC:7371]
-0,615201604	2,76E-25	5,60E-24	<i>BCAM</i>	basal cell adhesion molecule (Lutheran blood group) [Source:HGNC Symbol;Acc:HGNC:6722]
-0,614378643	0,00055635	0,002212405	<i>SIMC1</i>	SUMO interacting motifs containing 1 [Source:HGNC Symbol;Acc:HGNC:24779]
-0,614366392	2,74E-07	1,78E-06	<i>DDX11</i>	DEAD/H-box helicase 11 [Source:HGNC Symbol;Acc:HGNC:2736]
-0,614204618	0,001308319	0,004825934	<i>FEM1A</i>	fem-1 homolog A [Source:HGNC Symbol;Acc:HGNC:16934]

-0,614099779	6,24E-09	4,79E-08	<i>SGTB</i>	small glutamine rich tetratricopeptide repeat containing beta [Source:HGNC Symbol;Acc:HGNC:23567]
-0,61308279	0,000122839	0,000553731	<i>SERTAD4</i>	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25236]
-0,612980093	3,81E-12	3,85E-11	<i>DCBLD1</i>	discoidin, CUB and LCCL domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21479]
-0,612814755	2,46E-05	0,000124304	<i>SLC25A28</i>	solute carrier family 25 member 28 [Source:HGNC Symbol;Acc:HGNC:23472]
-0,612522056	2,62E-15	3,28E-14	<i>ERCC2</i>	ERCC excision repair 2, TFIIH core complex helicase subunit [Source:HGNC Symbol;Acc:HGNC:3434]
-0,612098973	0,00152367	0,005543369	<i>POLR3K</i>	RNA polymerase III subunit K [Source:HGNC Symbol;Acc:HGNC:14121]
-0,61208703	2,17E-29	5,20E-28	<i>LARS</i>	leucyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:6512]
-0,611932007	1,07E-08	8,02E-08	<i>KIF22</i>	kinesin family member 22 [Source:HGNC Symbol;Acc:HGNC:6391]
-0,611381008	1,19E-05	6,24E-05	<i>CXCL1</i>	C-X-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGNC:4602]
-0,611338905	3,74E-06	2,11E-05	<i>AHNAK</i>	AHNAK nucleoprotein [Source:HGNC Symbol;Acc:HGNC:347]
-0,610747991	2,07E-08	1,51E-07	<i>C2CD3</i>	C2 calcium dependent domain containing 3 [Source:HGNC Symbol;Acc:HGNC:24564]
-0,610253841	3,80E-08	2,71E-07	<i>NUDCD1</i>	NudC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24306]
-0,609832255	5,99E-24	1,15E-22	<i>WSB2</i>	WD repeat and SOCS box containing 2 [Source:HGNC Symbol;Acc:HGNC:19222]
-0,609686216	1,11E-07	7,52E-07	<i>PAK1IP1</i>	PAK1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:20882]
-0,609659981	1,22E-30	3,06E-29	<i>ARHGEF17</i>	Rho guanine nucleotide exchange factor 17 [Source:HGNC Symbol;Acc:HGNC:21726]
-0,609651921	1,20E-07	8,12E-07	<i>RABGGTB</i>	Rab geranylgeranyltransferase subunit beta [Source:HGNC Symbol;Acc:HGNC:9796]
-0,609360094	2,40E-27	5,26E-26	<i>ITGAV</i>	integrin subunit alpha V [Source:HGNC Symbol;Acc:HGNC:6150]
-0,609333412	2,33E-06	1,35E-05	<i>PPP1R12B</i>	protein phosphatase 1 regulatory subunit 12B [Source:HGNC Symbol;Acc:HGNC:7619]
-0,609253319	1,46E-23	2,72E-22	<i>CCDC85C</i>	coiled-coil domain containing 85C [Source:HGNC Symbol;Acc:HGNC:35459]
-0,609000397	1,62E-11	1,55E-10	<i>CHORDC1</i>	cysteine and histidine rich domain containing 1 [Source:HGNC Symbol;Acc:HGNC:14525]
-0,608952529	7,10E-09	5,42E-08	<i>KCNQ1</i>	potassium voltage-gated channel modifier subfamily G member 1 [Source:HGNC Symbol;Acc:HGNC:6248]
-0,608745327	4,01E-06	2,25E-05	<i>PUS1</i>	pseudouridylate synthase 1 [Source:HGNC Symbol;Acc:HGNC:15508]
-0,608651632	4,67E-12	4,68E-11	<i>CBLB</i>	Cbl proto-oncogene B [Source:HGNC Symbol;Acc:HGNC:1542]
-0,607788456	3,12E-15	3,88E-14	<i>FADS3</i>	fatty acid desaturase 3 [Source:HGNC Symbol;Acc:HGNC:3576]
-0,60713861	1,54E-42	5,61E-41	<i>ACTR3</i>	ARP3 actin related protein 3 homolog [Source:HGNC Symbol;Acc:HGNC:170]
-0,607111739	2,29E-05	0,000115764	<i>LYAR</i>	Ly1 antibody reactive [Source:HGNC Symbol;Acc:HGNC:26021]
-0,606864977	3,61E-24	7,01E-23	<i>SLC16A1</i>	solute carrier family 16 member 1 [Source:HGNC Symbol;Acc:HGNC:10922]
-0,606811983	3,02E-06	1,72E-05	<i>AFF2</i>	AF4/FMR2 family member 2 [Source:HGNC Symbol;Acc:HGNC:3776]
-0,606796125	5,11E-13	5,59E-12	<i>CAP2</i>	cyclase associated actin cytoskeleton regulatory protein 2 [Source:HGNC Symbol;Acc:HGNC:20039]
-0,606568205	3,84E-22	6,77E-21	<i>ANKLE2</i>	ankyrin repeat and LEM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:29101]
-0,606274311	1,78E-13	2,00E-12	<i>EBNA1BP2</i>	EBNA1 binding protein 2 [Source:HGNC Symbol;Acc:HGNC:15531]

-0,604993989	4,32E-05	0,000210318	G2E3	G2/M-phase specific E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:20338]
-0,604798532	1,38E-09	1,12E-08	AK4	adenylate kinase 4 [Source:HGNC Symbol;Acc:HGNC:363]
-0,604249796	3,10E-16	4,07E-15	LRRFIP2	LRR binding FLII interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:6703]
-0,60403196	1,38E-12	1,45E-11	CNTNAP1	contactin associated protein 1 [Source:HGNC Symbol;Acc:HGNC:8011]
-0,603836049	2,47E-20	4,05E-19	RHOJ	ras homolog family member J [Source:HGNC Symbol;Acc:HGNC:688]
-0,603802226	3,06E-07	1,98E-06	CKS1B	CDC28 protein kinase regulatory subunit 1B [Source:HGNC Symbol;Acc:HGNC:19083]
-0,603636114	8,65E-17	1,18E-15	RUVBL1	RuvB like AAA ATPase 1 [Source:HGNC Symbol;Acc:HGNC:10474]
-0,602909309	1,44E-09	1,17E-08	PDLIM2	PDZ and LIM domain 2 [Source:HGNC Symbol;Acc:HGNC:13992]
-0,602790964	5,72E-21	9,67E-20	FNDC3B	fibronectin type III domain containing 3B [Source:HGNC Symbol;Acc:HGNC:24670]
-0,601996909	9,50E-47	3,93E-45	CALM2	calmodulin 2 [Source:HGNC Symbol;Acc:HGNC:1445]
-0,60177638	2,96E-23	5,47E-22	CLIP1	CAP-Gly domain containing linker protein 1 [Source:HGNC Symbol;Acc:HGNC:10461]
-0,601424447	9,53E-09	7,20E-08	PNPT1	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]
-0,601308519	5,03E-16	6,52E-15	MOXD1	monooxygenase DBH like 1 [Source:HGNC Symbol;Acc:HGNC:21063]
-0,600560818	0,00011768	0,000531958	AOX1	aldehyde oxidase 1 [Source:HGNC Symbol;Acc:HGNC:553]
-0,600285678	8,72E-16	1,12E-14	FZD1	frizzled class receptor 1 [Source:HGNC Symbol;Acc:HGNC:4038]
-0,599918444	8,17E-08	5,63E-07	DERA	deoxyribose-phosphate aldolase [Source:HGNC Symbol;Acc:HGNC:24269]
-0,599502999	0,000531664	0,002122498	PDE5A	phosphodiesterase 5A [Source:HGNC Symbol;Acc:HGNC:8784]
-0,599459159	6,32E-13	6,85E-12	NLN	neurolysin [Source:HGNC Symbol;Acc:HGNC:16058]
-0,599382182	1,04E-13	1,18E-12	SNTB2	syntrophin beta 2 [Source:HGNC Symbol;Acc:HGNC:11169]
-0,5990893	3,41E-06	1,93E-05	FIGN	fidgetin, microtubule severing factor [Source:HGNC Symbol;Acc:HGNC:13285]
-0,598608614	0,000112545	0,000510361	C12orf29	chromosome 12 open reading frame 29 [Source:HGNC Symbol;Acc:HGNC:25322]
-0,597416629	1,73E-07	1,15E-06	ITGA1	integrin subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:6134]
-0,597298983	5,58E-35	1,63E-33	CDC42EP3	CDC42 effector protein 3 [Source:HGNC Symbol;Acc:HGNC:16943]
-0,59719828	0,000116775	0,000528113	GMNN	geminin, DNA replication inhibitor [Source:HGNC Symbol;Acc:HGNC:17493]
-0,597117578	0,000121577	0,000548551	GAL3ST3	galactose-3-O-sulfotransferase 3 [Source:HGNC Symbol;Acc:HGNC:24144]
-0,597055481	9,30E-32	2,44E-30	PARVA	parvin alpha [Source:HGNC Symbol;Acc:HGNC:14652]
-0,596898555	2,37E-06	1,37E-05	SIAH2	siah E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:HGNC:10858]
-0,596851546	1,93E-11	1,83E-10	CLSTN2	calsyntenin 2 [Source:HGNC Symbol;Acc:HGNC:17448]
-0,596794988	7,63E-11	6,87E-10	DIMT1	DIM1 dimethyladenosine transferase 1 homolog [Source:HGNC Symbol;Acc:HGNC:30217]
-0,596449349	3,78E-14	4,44E-13	CD2AP	CD2 associated protein [Source:HGNC Symbol;Acc:HGNC:14258]
-0,596371011	1,84E-09	1,48E-08	IMPDH1	inosine monophosphate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:6052]
-0,596217715	5,68E-11	5,17E-10	NFKB2	nuclear factor kappa B subunit 2 [Source:HGNC Symbol;Acc:HGNC:7795]
-0,59584319	1,63E-06	9,67E-06	EXOSC9	exosome component 9 [Source:HGNC Symbol;Acc:HGNC:9137]

-0,594507765	2,35E-07	1,54E-06	<i>GPR180</i>	G protein-coupled receptor 180 [Source:HGNC Symbol;Acc:HGNC:28899]
-0,594330291	2,13E-09	1,70E-08	<i>AHR</i>	aryl hydrocarbon receptor [Source:HGNC Symbol;Acc:HGNC:348]
-0,594096861	1,74E-45	6,87E-44	<i>RAN</i>	RAN, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9846]
-0,593821048	9,45E-05	0,000434986	<i>NLRC5</i>	NLR family CARD domain containing 5 [Source:HGNC Symbol;Acc:HGNC:29933]
-0,593202292	5,56E-11	5,07E-10	<i>PAPPA</i>	pappalysin 1 [Source:HGNC Symbol;Acc:HGNC:8602]
-0,593115652	1,18E-09	9,64E-09	<i>DSE</i>	dermatan sulfate epimerase [Source:HGNC Symbol;Acc:HGNC:21144]
-0,592773664	0,000572154	0,002271692	<i>IQCB1</i>	IQ motif containing B1 [Source:HGNC Symbol;Acc:HGNC:28949]
-0,592760531	0,007131347	0,022099428	<i>EIF4A1</i>	eukaryotic translation initiation factor 4A1 [Source:HGNC Symbol;Acc:HGNC:3282]
-0,592411116	0,000827784	0,003195538	<i>SRFBP1</i>	serum response factor binding protein 1 [Source:HGNC Symbol;Acc:HGNC:26333]
-0,591969519	3,86E-18	5,70E-17	<i>MEX3D</i>	mex-3 RNA binding family member D [Source:HGNC Symbol;Acc:HGNC:16734]
-0,591910734	3,29E-16	4,32E-15	<i>IGFBP7</i>	insulin like growth factor binding protein 7 [Source:HGNC Symbol;Acc:HGNC:5476]
-0,590464628	2,66E-06	1,53E-05	<i>HEATR3</i>	HEAT repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:26087]
-0,59002912	0,000199484	0,000861221	<i>STS</i>	steroid sulfatase [Source:HGNC Symbol;Acc:HGNC:11425]
-0,589927055	8,10E-05	0,000376889	<i>MCM8</i>	minichromosome maintenance 8 homologous recombination repair factor [Source:HGNC Symbol;Acc:HGNC:16147]
-0,58959448	0,001859915	0,00662996	<i>MTERF3</i>	mitochondrial transcription termination factor 3 [Source:HGNC Symbol;Acc:HGNC:24258]
-0,589112536	0,000937781	0,003571851	<i>SLC25A15</i>	solute carrier family 25 member 15 [Source:HGNC Symbol;Acc:HGNC:10985]
-0,588596632	7,62E-24	1,45E-22	<i>HDAC7</i>	histone deacetylase 7 [Source:HGNC Symbol;Acc:HGNC:14067]
-0,588221597	0,000123533	0,000556731	<i>LARP1B</i>	La ribonucleoprotein domain family member 1B [Source:HGNC Symbol;Acc:HGNC:24704]
-0,587041485	0,002070998	0,007320543	<i>SNAI1</i>	snail family transcriptional repressor 1 [Source:HGNC Symbol;Acc:HGNC:11128]
-0,587008996	3,77E-05	0,00018537	<i>SPRTN</i>	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]
-0,586924298	3,92E-06	2,20E-05	<i>TNC</i>	tenascin C [Source:HGNC Symbol;Acc:HGNC:5318]
-0,586672686	0,000493079	0,001981916	<i>MAGOHB</i>	mago homolog B, exon junction complex subunit [Source:HGNC Symbol;Acc:HGNC:25504]
-0,586331762	0,000107903	0,000490506	<i>C16orf87</i>	chromosome 16 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33754]
-0,58611932	0,000280813	0,001178262	<i>METTL1</i>	methyltransferase like 1 [Source:HGNC Symbol;Acc:HGNC:7030]
-0,585695769	1,57E-12	1,65E-11	<i>BZW2</i>	basic leucine zipper and W2 domains 2 [Source:HGNC Symbol;Acc:HGNC:18808]
-0,585663085	2,25E-05	0,000114271	<i>PRPS2</i>	phosphoribosyl pyrophosphate synthetase 2 [Source:HGNC Symbol;Acc:HGNC:9465]
-0,585228322	2,41E-14	2,84E-13	<i>WDR43</i>	WD repeat domain 43 [Source:HGNC Symbol;Acc:HGNC:28945]
-0,585162241	5,93E-09	4,56E-08	<i>NCAPH2</i>	non-SMC condensin II complex subunit H2 [Source:HGNC Symbol;Acc:HGNC:25071]
-0,584927463	2,13E-12	2,21E-11	<i>RRP1B</i>	ribosomal RNA processing 1B [Source:HGNC Symbol;Acc:HGNC:23818]
-0,584024726	1,06E-18	1,61E-17	<i>GPT2</i>	glutamic--pyruvic transaminase 2 [Source:HGNC Symbol;Acc:HGNC:18062]
-0,583861853	2,95E-22	5,22E-21	<i>RUSC2</i>	RUN and SH3 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23625]

-0,583664656	7,28E-08	5,04E-07	<i>SLIT2</i>	slit guidance ligand 2 [Source:HGNC Symbol;Acc:HGNC:11086]
-0,582761239	2,93E-08	2,11E-07	<i>EPHA5</i>	EPH receptor A5 [Source:HGNC Symbol;Acc:HGNC:3389]
-0,582748761	5,78E-10	4,86E-09	<i>SMIM13</i>	small integral membrane protein 13 [Source:HGNC Symbol;Acc:HGNC:27356]
-0,582472637	0,001153276	0,004305593	<i>TICRR</i>	TOPBP1 interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]
-0,582228657	4,66E-05	0,00022558	<i>COPZ2</i>	coatamer protein complex subunit zeta 2 [Source:HGNC Symbol;Acc:HGNC:19356]
-0,582220759	0,008234103	0,025069189	<i>CLDN2</i>	claudin 2 [Source:HGNC Symbol;Acc:HGNC:2041]
-0,582117809	1,60E-25	3,30E-24	<i>NCLN</i>	nicalin [Source:HGNC Symbol;Acc:HGNC:26923]
-0,581810358	0,002717954	0,00935188	<i>SPAG1</i>	sperm associated antigen 1 [Source:HGNC Symbol;Acc:HGNC:11212]
-0,581226318	9,44E-18	1,37E-16	<i>GPX8</i>	glutathione peroxidase 8 (putative) [Source:HGNC Symbol;Acc:HGNC:33100]
-0,581177388	3,27E-14	3,85E-13	<i>BGN</i>	biglycan [Source:HGNC Symbol;Acc:HGNC:1044]
-0,580926522	0,003333445	0,011224853	<i>SUV39H1</i>	suppressor of variegation 3-9 homolog 1 [Source:HGNC Symbol;Acc:HGNC:11479]
-0,580198686	2,22E-08	1,62E-07	<i>ARL6IP6</i>	ADP ribosylation factor like GTPase 6 interacting protein 6 [Source:HGNC Symbol;Acc:HGNC:24048]
-0,579743977	6,96E-12	6,84E-11	<i>USP1</i>	ubiquitin specific peptidase 1 [Source:HGNC Symbol;Acc:HGNC:12607]
-0,578859599	1,40E-05	7,27E-05	<i>C9orf64</i>	chromosome 9 open reading frame 64 [Source:HGNC Symbol;Acc:HGNC:28144]
-0,578527624	0,01175139	0,034220808	<i>BRICD5</i>	BRICHOS domain containing 5 [Source:HGNC Symbol;Acc:HGNC:28309]
-0,578095315	4,24E-06	2,37E-05	<i>CPNE7</i>	copine 7 [Source:HGNC Symbol;Acc:HGNC:2320]
-0,577961875	9,16E-26	1,90E-24	<i>AZIN1</i>	antizyme inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:16432]
-0,577058291	1,82E-15	2,29E-14	<i>TCOF1</i>	treacle ribosome biogenesis factor 1 [Source:HGNC Symbol;Acc:HGNC:11654]
-0,576064786	3,92E-17	5,45E-16	<i>VAMP5</i>	vesicle associated membrane protein 5 [Source:HGNC Symbol;Acc:HGNC:12646]
-0,575730303	3,95E-32	1,05E-30	<i>EFEMP2</i>	EGF containing fibulin extracellular matrix protein 2 [Source:HGNC Symbol;Acc:HGNC:3219]
-0,575056319	3,73E-11	3,48E-10	<i>PDCD5</i>	programmed cell death 5 [Source:HGNC Symbol;Acc:HGNC:8764]
-0,574937537	8,58E-31	2,17E-29	<i>ANKRD52</i>	ankyrin repeat domain 52 [Source:HGNC Symbol;Acc:HGNC:26614]
-0,574771411	4,42E-16	5,75E-15	<i>MID1</i>	midline 1 [Source:HGNC Symbol;Acc:HGNC:7095]
-0,57446578	1,26E-08	9,38E-08	<i>CHML</i>	CHM like, Rab escort protein 2 [Source:HGNC Symbol;Acc:HGNC:1941]
-0,574290652	8,04E-13	8,65E-12	<i>RPS6KA4</i>	ribosomal protein S6 kinase A4 [Source:HGNC Symbol;Acc:HGNC:10433]
-0,574248472	6,70E-09	5,13E-08	<i>UMPS</i>	uridine monophosphate synthetase [Source:HGNC Symbol;Acc:HGNC:12563]
-0,574220223	1,11E-08	8,36E-08	<i>MFHAS1</i>	malignant fibrous histiocytoma amplified sequence 1 [Source:HGNC Symbol;Acc:HGNC:16982]
-0,57334022	3,11E-06	1,77E-05	<i>AVEN</i>	apoptosis and caspase activation inhibitor [Source:HGNC Symbol;Acc:HGNC:13509]
-0,572665639	1,67E-06	9,90E-06	<i>DDX31</i>	DEAD-box helicase 31 [Source:HGNC Symbol;Acc:HGNC:16715]
-0,572637385	8,91E-48	3,78E-46	<i>RTN4</i>	reticulon 4 [Source:HGNC Symbol;Acc:HGNC:14085]
-0,57226095	2,60E-05	0,000130895	<i>GSTCD</i>	glutathione S-transferase C-terminal domain containing [Source:HGNC Symbol;Acc:HGNC:25806]
-0,571943537	4,21E-09	3,29E-08	<i>DAAM1</i>	dishevelled associated activator of morphogenesis 1 [Source:HGNC Symbol;Acc:HGNC:18142]
-0,571923486	1,29E-14	1,55E-13	<i>ELMSAN1</i>	ELM2 and Myb/SANT domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19853]
-0,571320088	0,015803403	0,044225842	<i>ZNF595</i>	zinc finger protein 595 [Source:HGNC Symbol;Acc:HGNC:27196]

-0,570911882	1,22E-08	9,12E-08	<i>RNASEH1</i>	ribonuclease H1 [Source:HGNC Symbol;Acc:HGNC:18466]
-0,570021849	8,17E-14	9,37E-13	<i>CHST10</i>	carbohydrate sulfotransferase 10 [Source:HGNC Symbol;Acc:HGNC:19650]
-0,569858093	1,93E-23	3,58E-22	<i>ALDH18A1</i>	aldehyde dehydrogenase 18 family member A1 [Source:HGNC Symbol;Acc:HGNC:9722]
-0,569824486	1,18E-06	7,14E-06	<i>KRBA1</i>	KRAB-A domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22228]
-0,569308852	1,71E-09	1,38E-08	<i>RHPN2</i>	rhophilin Rho GTPase binding protein 2 [Source:HGNC Symbol;Acc:HGNC:19974]
-0,569292961	4,90E-14	5,69E-13	<i>PHACTR4</i>	phosphatase and actin regulator 4 [Source:HGNC Symbol;Acc:HGNC:25793]
-0,568692365	5,31E-28	1,20E-26	<i>PPP1R18</i>	protein phosphatase 1 regulatory subunit 18 [Source:HGNC Symbol;Acc:HGNC:29413]
-0,568489546	1,37E-12	1,44E-11	<i>OGFOD1</i>	2-oxoglutarate and iron dependent oxygenase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25585]
-0,568380101	1,12E-17	1,62E-16	<i>ROCK2</i>	Rho associated coiled-coil containing protein kinase 2 [Source:HGNC Symbol;Acc:HGNC:10252]
-0,568045666	9,66E-10	7,95E-09	<i>MDC1</i>	mediator of DNA damage checkpoint 1 [Source:HGNC Symbol;Acc:HGNC:21163]
-0,567146225	9,68E-12	9,42E-11	<i>NDEL1</i>	nudE neurodevelopment protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:17620]
-0,566859815	3,94E-19	6,13E-18	<i>THOP1</i>	thimet oligopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:11793]
-0,566580567	9,43E-15	1,14E-13	<i>HDAC9</i>	histone deacetylase 9 [Source:HGNC Symbol;Acc:HGNC:14065]
-0,565470202	6,12E-07	3,81E-06	<i>EZH2</i>	enhancer of zeste 2 polycomb repressive complex 2 subunit [Source:HGNC Symbol;Acc:HGNC:3527]
-0,565461424	8,32E-08	5,72E-07	<i>NME1</i>	NME/NM23 nucleoside diphosphate kinase 1 [Source:HGNC Symbol;Acc:HGNC:7849]
-0,565298098	3,51E-19	5,48E-18	<i>NCAM1</i>	neural cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:7656]
-0,565202286	0,000267052	0,001125143	<i>RFC5</i>	replication factor C subunit 5 [Source:HGNC Symbol;Acc:HGNC:9973]
-0,564637582	8,50E-16	1,09E-14	<i>MRTFA</i>	myocardin related transcription factor A [Source:HGNC Symbol;Acc:HGNC:14334]
-0,563964663	0,002351142	0,008209115	<i>SNCAIP</i>	synuclein alpha interacting protein [Source:HGNC Symbol;Acc:HGNC:11139]
-0,56382806	1,80E-22	3,22E-21	<i>LRRFIP1</i>	LRR binding FLII interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:6702]
-0,563759263	3,69E-06	2,08E-05	<i>TNFRSF19</i>	TNF receptor superfamily member 19 [Source:HGNC Symbol;Acc:HGNC:11915]
-0,563696459	4,19E-10	3,56E-09	<i>RAC3</i>	Rac family small GTPase 3 [Source:HGNC Symbol;Acc:HGNC:9803]
-0,5635394	2,89E-06	1,66E-05	<i>NPAS2</i>	neuronal PAS domain protein 2 [Source:HGNC Symbol;Acc:HGNC:7895]
-0,563465547	7,84E-23	1,43E-21	<i>ST5</i>	suppression of tumorigenicity 5 [Source:HGNC Symbol;Acc:HGNC:11350]
-0,562927374	8,55E-46	3,41E-44	<i>EIF5A</i>	eukaryotic translation initiation factor 5A [Source:HGNC Symbol;Acc:HGNC:3300]
-0,562828465	0,000499764	0,002005463	<i>SAPCD2</i>	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]
-0,562793177	1,56E-25	3,22E-24	<i>OPTN</i>	optineurin [Source:HGNC Symbol;Acc:HGNC:17142]
-0,562516201	4,29E-05	0,000209026	<i>PMM2</i>	phosphomannomutase 2 [Source:HGNC Symbol;Acc:HGNC:9115]
-0,562512326	7,12E-13	7,69E-12	<i>ADAMTS15</i>	ADAM metalloproteinase with thrombospondin type 1 motif 15 [Source:HGNC Symbol;Acc:HGNC:16305]
-0,562490422	5,96E-33	1,63E-31	<i>MXRA7</i>	matrix remodeling associated 7 [Source:HGNC Symbol;Acc:HGNC:7541]
-0,562432403	0,000167694	0,000735596	<i>DUSP7</i>	dual specificity phosphatase 7 [Source:HGNC Symbol;Acc:HGNC:3073]

-0,562018197	3,25E-12	3,32E-11	<i>NFKB1</i>	nuclear factor kappa B subunit 1 [Source:HGNC Symbol;Acc:HGNC:7794]
-0,561852201	2,76E-07	1,79E-06	<i>MPV17L2</i>	MPV17 mitochondrial inner membrane protein like 2 [Source:HGNC Symbol;Acc:HGNC:28177]
-0,561319475	4,13E-08	2,93E-07	<i>TPST1</i>	tyrosylprotein sulfotransferase 1 [Source:HGNC Symbol;Acc:HGNC:12020]
-0,561244238	1,83E-07	1,21E-06	<i>POP1</i>	POP1 homolog, ribonuclease P/MRP subunit [Source:HGNC Symbol;Acc:HGNC:30129]
-0,561111017	3,47E-14	4,07E-13	<i>LTBP1</i>	latent transforming growth factor beta binding protein 1 [Source:HGNC Symbol;Acc:HGNC:6714]
-0,559960198	1,41E-15	1,78E-14	<i>ALYREF</i>	Aly/REF export factor [Source:HGNC Symbol;Acc:HGNC:19071]
-0,559878762	8,21E-10	6,81E-09	<i>DPH3</i>	diphthamide biosynthesis 3 [Source:HGNC Symbol;Acc:HGNC:27717]
-0,559850277	1,93E-08	1,41E-07	<i>PRKD1</i>	protein kinase D1 [Source:HGNC Symbol;Acc:HGNC:9407]
-0,559636139	1,34E-07	9,00E-07	<i>KLF10</i>	Kruppel like factor 10 [Source:HGNC Symbol;Acc:HGNC:11810]
-0,559511881	1,20E-11	1,16E-10	<i>DHX37</i>	DEAH-box helicase 37 [Source:HGNC Symbol;Acc:HGNC:17210]
-0,558962972	4,03E-08	2,86E-07	<i>PCSK5</i>	proprotein convertase subtilisin/kexin type 5 [Source:HGNC Symbol;Acc:HGNC:8747]
-0,558320949	0,001792094	0,006411758	<i>CGN</i>	cingulin [Source:HGNC Symbol;Acc:HGNC:17429]
-0,557928753	2,45E-19	3,84E-18	<i>IVNS1ABP</i>	influenza virus NS1A binding protein [Source:HGNC Symbol;Acc:HGNC:16951]
-0,557203994	0,000152834	0,000675138	<i>BX255925,3</i>	novel RING finger protein
-0,556865534	4,59E-17	6,37E-16	<i>PDCD11</i>	programmed cell death 11 [Source:HGNC Symbol;Acc:HGNC:13408]
-0,556612756	2,25E-26	4,78E-25	<i>MYOF</i>	myoferlin [Source:HGNC Symbol;Acc:HGNC:3656]
-0,5565866	3,30E-12	3,36E-11	<i>SETD3</i>	SET domain containing 3 [Source:HGNC Symbol;Acc:HGNC:20493]
-0,556366442	2,43E-13	2,70E-12	<i>MED22</i>	mediator complex subunit 22 [Source:HGNC Symbol;Acc:HGNC:11477]
-0,555335754	4,60E-11	4,23E-10	<i>GNL2</i>	G protein nucleolar 2 [Source:HGNC Symbol;Acc:HGNC:29925]
-0,555201155	0,00171967	0,006174267	<i>DNAJC6</i>	DnaJ heat shock protein family (Hsp40) member C6 [Source:HGNC Symbol;Acc:HGNC:15469]
-0,554671238	1,93E-32	5,21E-31	<i>LIMA1</i>	LIM domain and actin binding 1 [Source:HGNC Symbol;Acc:HGNC:24636]
-0,553679693	1,08E-18	1,64E-17	<i>POFUT1</i>	protein O-fucosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:14988]
-0,552980814	0,000412798	0,0016847	<i>PIGW</i>	phosphatidylinositol glycan anchor biosynthesis class W [Source:HGNC Symbol;Acc:HGNC:23213]
-0,551760803	3,25E-34	9,25E-33	<i>ACTR2</i>	ARP2 actin related protein 2 homolog [Source:HGNC Symbol;Acc:HGNC:169]
-0,551400049	4,93E-06	2,73E-05	<i>UPRT</i>	uracil phosphoribosyltransferase homolog [Source:HGNC Symbol;Acc:HGNC:28334]
-0,551130948	3,88E-13	4,26E-12	<i>NAA15</i>	N(alpha)-acetyltransferase 15, NatA auxiliary subunit [Source:HGNC Symbol;Acc:HGNC:30782]
-0,551029545	0,001440614	0,005268859	<i>CENPL</i>	centromere protein L [Source:HGNC Symbol;Acc:HGNC:17879]
-0,550784504	1,57E-09	1,27E-08	<i>CDH8</i>	cadherin 8 [Source:HGNC Symbol;Acc:HGNC:1767]
-0,550594378	3,55E-07	2,27E-06	<i>SLC25A24</i>	solute carrier family 25 member 24 [Source:HGNC Symbol;Acc:HGNC:20662]
-0,55008321	4,50E-12	4,52E-11	<i>IMP4</i>	IMP4, U3 small nucleolar ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:30856]
-0,550052494	1,64E-09	1,32E-08	<i>PGP</i>	phosphoglycolate phosphatase [Source:HGNC Symbol;Acc:HGNC:8909]
-0,549880943	6,09E-39	1,99E-37	<i>KPNB1</i>	karyopherin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:6400]
-0,54925893	3,43E-07	2,20E-06	<i>NDOR1</i>	NADPH dependent diflavin oxidoreductase 1 [Source:HGNC Symbol;Acc:HGNC:29838]

-0,549056207	3,93E-07	2,50E-06	<i>CENPT</i>	centromere protein T [Source:HGNC Symbol;Acc:HGNC:25787]
-0,548615126	1,40E-05	7,27E-05	<i>CNKSR3</i>	CNKSR family member 3 [Source:HGNC Symbol;Acc:HGNC:23034]
-0,54841651	0,001173818	0,004371352	<i>TKTL1</i>	transketolase like 1 [Source:HGNC Symbol;Acc:HGNC:11835]
-0,54831437	6,59E-25	1,32E-23	<i>PPA1</i>	pyrophosphatase (inorganic) 1 [Source:HGNC Symbol;Acc:HGNC:9226]
-0,547589673	2,64E-07	1,71E-06	<i>NUP85</i>	nucleoporin 85 [Source:HGNC Symbol;Acc:HGNC:8734]
-0,547393294	7,37E-06	4,01E-05	<i>PARP2</i>	poly(ADP-ribose) polymerase 2 [Source:HGNC Symbol;Acc:HGNC:272]
-0,546874812	0,009629889	0,028728305	<i>AMER1</i>	APC membrane recruitment protein 1 [Source:HGNC Symbol;Acc:HGNC:26837]
-0,546724405	0,002123389	0,00749345	<i>TMEM241</i>	transmembrane protein 241 [Source:HGNC Symbol;Acc:HGNC:31723]
-0,546523958	0,003182535	0,010770889	<i>RNF219</i>	ring finger protein 219 [Source:HGNC Symbol;Acc:HGNC:20308]
-0,546198649	3,22E-15	3,99E-14	<i>FEZ2</i>	fasciculation and elongation protein zeta 2 [Source:HGNC Symbol;Acc:HGNC:3660]
-0,545930472	0,002467624	0,008581538	<i>BAIAP2L1</i>	BAI1 associated protein 2 like 1 [Source:HGNC Symbol;Acc:HGNC:21649]
-0,545597983	0,017860644	0,049100957	<i>ZNF324B</i>	zinc finger protein 324B [Source:HGNC Symbol;Acc:HGNC:33107]
-0,545360981	1,52E-05	7,87E-05	<i>HABP4</i>	hyaluronan binding protein 4 [Source:HGNC Symbol;Acc:HGNC:17062]
-0,545183657	5,08E-12	5,08E-11	<i>WDR34</i>	WD repeat domain 34 [Source:HGNC Symbol;Acc:HGNC:28296]
-0,544771164	6,85E-27	1,48E-25	<i>ADAM19</i>	ADAM metalloproteinase domain 19 [Source:HGNC Symbol;Acc:HGNC:197]
-0,544588101	8,12E-10	6,73E-09	<i>QSOX2</i>	quiescin sulphydryl oxidase 2 [Source:HGNC Symbol;Acc:HGNC:30249]
-0,544385111	0,001146371	0,004284761	<i>GIN5</i>	GIN5 complex subunit 4 [Source:HGNC Symbol;Acc:HGNC:28226]
-0,54432003	9,15E-06	4,90E-05	<i>PHLPP2</i>	PH domain and leucine rich repeat protein phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:29149]
-0,544140544	0,00069179	0,002710455	<i>MXD3</i>	MAX dimerization protein 3 [Source:HGNC Symbol;Acc:HGNC:14008]
-0,544128827	2,05E-08	1,50E-07	<i>CFH</i>	complement factor H [Source:HGNC Symbol;Acc:HGNC:4883]
-0,544058295	1,15E-18	1,74E-17	<i>UGP2</i>	UDP-glucose pyrophosphorylase 2 [Source:HGNC Symbol;Acc:HGNC:12527]
-0,543694018	1,55E-09	1,25E-08	<i>MRAS</i>	muscle RAS oncogene homolog [Source:HGNC Symbol;Acc:HGNC:7227]
-0,543531427	8,40E-13	9,01E-12	<i>GNB4</i>	G protein subunit beta 4 [Source:HGNC Symbol;Acc:HGNC:20731]
-0,543396445	7,22E-20	1,16E-18	<i>FUBP1</i>	far upstream element binding protein 1 [Source:HGNC Symbol;Acc:HGNC:4004]
-0,542683269	0,000412451	0,001683639	<i>CRHBP</i>	corticotropin releasing hormone binding protein [Source:HGNC Symbol;Acc:HGNC:2356]
-0,542646065	2,47E-08	1,79E-07	<i>HAT1</i>	histone acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:4821]
-0,542411552	0,000136924	0,000610981	<i>LRCH1</i>	leucine rich repeats and calponin homology domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20309]
-0,541907557	8,04E-30	1,95E-28	<i>EHD2</i>	EH domain containing 2 [Source:HGNC Symbol;Acc:HGNC:3243]
-0,541819142	4,00E-06	2,25E-05	<i>UTP15</i>	UTP15, small subunit processome component [Source:HGNC Symbol;Acc:HGNC:25758]
-0,54179474	0,000703322	0,002752302	<i>SH2D5</i>	SH2 domain containing 5 [Source:HGNC Symbol;Acc:HGNC:28819]
-0,541516137	1,86E-22	3,32E-21	<i>IFITM3</i>	interferon induced transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:5414]
-0,541286813	8,96E-16	1,14E-14	<i>ANO6</i>	anoctamin 6 [Source:HGNC Symbol;Acc:HGNC:25240]

-0,54122469	1,21E-06	7,29E-06	<i>TTF2</i>	transcription termination factor 2 [Source:HGNC Symbol;Acc:HGNC:12398]
-0,541185244	0,000152697	0,000674692	<i>LRRC45</i>	leucine rich repeat containing 45 [Source:HGNC Symbol;Acc:HGNC:28302]
-0,540679234	0,000737558	0,002874682	<i>USP45</i>	ubiquitin specific peptidase 45 [Source:HGNC Symbol;Acc:HGNC:20080]
-0,540261029	1,34E-07	9,00E-07	<i>CHUK</i>	conserved helix-loop-helix ubiquitous kinase [Source:HGNC Symbol;Acc:HGNC:1974]
-0,540039848	8,67E-05	0,000401648	<i>TRIB3</i>	tribbles pseudokinase 3 [Source:HGNC Symbol;Acc:HGNC:16228]
-0,539990101	3,50E-20	5,67E-19	<i>NEDD9</i>	neural precursor cell expressed, developmentally down-regulated 9 [Source:HGNC Symbol;Acc:HGNC:7733]
-0,539873799	5,65E-12	5,61E-11	<i>FTSJ1</i>	FtsJ RNA methyltransferase homolog 1 [Source:HGNC Symbol;Acc:HGNC:13254]
-0,539451653	1,01E-11	9,81E-11	<i>FH</i>	fumarate hydratase [Source:HGNC Symbol;Acc:HGNC:3700]
-0,539112727	9,08E-05	0,0004194	<i>SRP19</i>	signal recognition particle 19 [Source:HGNC Symbol;Acc:HGNC:11300]
-0,538649201	1,37E-18	2,06E-17	<i>B4GALT2</i>	beta-1,4-galactosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:925]
-0,538551049	2,58E-11	2,44E-10	<i>KAZN</i>	kazrin, periplakin interacting protein [Source:HGNC Symbol;Acc:HGNC:29173]
-0,538228095	1,22E-17	1,76E-16	<i>PLEKHG2</i>	pleckstrin homology and RhoGEF domain containing G2 [Source:HGNC Symbol;Acc:HGNC:29515]
-0,537883592	1,80E-10	1,58E-09	<i>LGMN</i>	legumain [Source:HGNC Symbol;Acc:HGNC:9472]
-0,537763142	6,18E-14	7,14E-13	<i>LETM1</i>	leucine zipper and EF-hand containing transmembrane protein 1 [Source:HGNC Symbol;Acc:HGNC:6556]
-0,537231588	6,13E-13	6,65E-12	<i>MESD</i>	mesoderm development LRP chaperone [Source:HGNC Symbol;Acc:HGNC:13520]
-0,536920726	3,64E-07	2,33E-06	<i>DDX20</i>	DEAD-box helicase 20 [Source:HGNC Symbol;Acc:HGNC:2743]
-0,536477447	8,27E-05	0,000384165	<i>DCK</i>	deoxycytidine kinase [Source:HGNC Symbol;Acc:HGNC:2704]
-0,535744376	1,61E-13	1,81E-12	<i>NSUN2</i>	NOP2/Sun RNA methyltransferase family member 2 [Source:HGNC Symbol;Acc:HGNC:25994]
-0,53535228	7,95E-19	1,22E-17	<i>DNMT1</i>	DNA methyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:2976]
-0,535185508	5,89E-11	5,35E-10	<i>RASSF4</i>	Ras association domain family member 4 [Source:HGNC Symbol;Acc:HGNC:20793]
-0,535065253	3,51E-16	4,58E-15	<i>POFUT2</i>	protein O-fucosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:14683]
-0,534624908	1,80E-12	1,88E-11	<i>SLC35F1</i>	solute carrier family 35 member F1 [Source:HGNC Symbol;Acc:HGNC:21483]
-0,534040317	2,13E-05	0,000108066	<i>ANKRD33B</i>	ankyrin repeat domain 33B [Source:HGNC Symbol;Acc:HGNC:35240]
-0,53390688	1,28E-10	1,13E-09	<i>CCDC137</i>	coiled-coil domain containing 137 [Source:HGNC Symbol;Acc:HGNC:33451]
-0,533734588	0,004555931	0,014869223	<i>NAALADL2</i>	N-acetylated alpha-linked acidic dipeptidase like 2 [Source:HGNC Symbol;Acc:HGNC:23219]
-0,532880975	3,16E-22	5,57E-21	<i>RAF1</i>	Raf-1 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:9829]
-0,532866806	5,32E-15	6,53E-14	<i>WLS</i>	wntless Wnt ligand secretion mediator [Source:HGNC Symbol;Acc:HGNC:30238]
-0,532783026	1,52E-09	1,23E-08	<i>BLVRA</i>	biliverdin reductase A [Source:HGNC Symbol;Acc:HGNC:1062]
-0,53263609	1,10E-07	7,43E-07	<i>NEMP1</i>	nuclear envelope integral membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:29001]
-0,532432134	2,63E-10	2,28E-09	<i>RNF126</i>	ring finger protein 126 [Source:HGNC Symbol;Acc:HGNC:21151]
-0,532360131	3,68E-21	6,28E-20	<i>ERBB2</i>	erb-b2 receptor tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:3430]

-0,532009354	3,17E-05	0,00015746	DONSON	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]
-0,531906901	4,54E-14	5,30E-13	NIPA2	NIPA magnesium transporter 2 [Source:HGNC Symbol;Acc:HGNC:17044]
-0,531793559	0,009429629	0,028226344	ZNF141	zinc finger protein 141 [Source:HGNC Symbol;Acc:HGNC:12926]
-0,531598124	2,79E-07	1,81E-06	GPD1L	glycerol-3-phosphate dehydrogenase 1 like [Source:HGNC Symbol;Acc:HGNC:28956]
-0,531401559	0,010942825	0,032136269	LIN9	lin-9 DREAM MuvB core complex component [Source:HGNC Symbol;Acc:HGNC:30830]
-0,531370291	2,82E-09	2,23E-08	C19orf48	chromosome 19 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:29667]
-0,530640024	0,003132365	0,010632619	FAM167A	family with sequence similarity 167 member A [Source:HGNC Symbol;Acc:HGNC:15549]
-0,530628786	1,11E-05	5,88E-05	MSTO1	misato 1, mitochondrial distribution and morphology regulator [Source:HGNC Symbol;Acc:HGNC:29678]
-0,530488051	9,94E-13	1,06E-11	EML4	echinoderm microtubule associated protein like 4 [Source:HGNC Symbol;Acc:HGNC:1316]
-0,530195309	1,11E-17	1,61E-16	PPARD	peroxisome proliferator activated receptor delta [Source:HGNC Symbol;Acc:HGNC:9235]
-0,52963647	7,68E-26	1,60E-24	PLCD3	phospholipase C delta 3 [Source:HGNC Symbol;Acc:HGNC:9061]
-0,52926321	2,09E-05	0,000106485	TRAF2	TNF receptor associated factor 2 [Source:HGNC Symbol;Acc:HGNC:12032]
-0,529163855	3,06E-06	1,74E-05	TMOD2	tropomodulin 2 [Source:HGNC Symbol;Acc:HGNC:11872]
-0,528881219	1,34E-12	1,41E-11	EIF3J	eukaryotic translation initiation factor 3 subunit J [Source:HGNC Symbol;Acc:HGNC:3270]
-0,528621568	0,005563303	0,017753897	MMACHC	methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria [Source:HGNC Symbol;Acc:HGNC:24525]
-0,528548776	2,47E-05	0,000124463	NTMT1	N-terminal Xaa-Pro-Lys N-methyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23373]
-0,528467618	2,10E-16	2,80E-15	CREB3	cAMP responsive element binding protein 3 [Source:HGNC Symbol;Acc:HGNC:2347]
-0,52817755	1,05E-12	1,12E-11	LRP6	LDL receptor related protein 6 [Source:HGNC Symbol;Acc:HGNC:6698]
-0,528084158	7,67E-16	9,83E-15	PLA2G16	phospholipase A2 group XVI [Source:HGNC Symbol;Acc:HGNC:17825]
-0,527924359	4,12E-26	8,66E-25	CCT2	chaperonin containing TCP1 subunit 2 [Source:HGNC Symbol;Acc:HGNC:1615]
-0,527847712	4,93E-05	0,000237757	FAT4	FAT atypical cadherin 4 [Source:HGNC Symbol;Acc:HGNC:23109]
-0,527084825	0,014326389	0,040603972	ACKR3	atypical chemokine receptor 3 [Source:HGNC Symbol;Acc:HGNC:23692]
-0,527019546	0,000962305	0,003650928	MB21D2	Mab-21 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30438]
-0,526837958	6,11E-12	6,05E-11	MUS81	MUS81 structure-specific endonuclease subunit [Source:HGNC Symbol;Acc:HGNC:29814]
-0,526748319	3,53E-36	1,07E-34	CD151	CD151 molecule (Raph blood group) [Source:HGNC Symbol;Acc:HGNC:1630]
-0,5254839	2,27E-07	1,49E-06	NCAPD3	non-SMC condensin II complex subunit D3 [Source:HGNC Symbol;Acc:HGNC:28952]
-0,525166823	7,59E-32	1,99E-30	MARCKS	myristoylated alanine rich protein kinase C substrate [Source:HGNC Symbol;Acc:HGNC:6759]
-0,524891519	3,70E-05	0,000181696	DCLK2	doublecortin like kinase 2 [Source:HGNC Symbol;Acc:HGNC:19002]
-0,52468572	2,37E-16	3,14E-15	SLC39A13	solute carrier family 39 member 13 [Source:HGNC Symbol;Acc:HGNC:20859]
-0,524258861	1,69E-14	2,01E-13	P4HA1	prolyl 4-hydroxylase subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:8546]
-0,523606278	7,91E-07	4,87E-06	KATNBL1	katanin regulatory subunit B1 like 1 [Source:HGNC Symbol;Acc:HGNC:26199]

-0,523314183	0,002450042	0,008526813	<i>LRRC8B</i>	leucine rich repeat containing 8 VRAC subunit B [Source:HGNC Symbol;Acc:HGNC:30692]
-0,523126328	1,15E-05	6,04E-05	<i>KNOP1</i>	lysine rich nucleolar protein 1 [Source:HGNC Symbol;Acc:HGNC:34404]
-0,521572747	0,000928849	0,003542	<i>WDHD1</i>	WD repeat and HMG-box DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:23170]
-0,521469726	3,10E-23	5,72E-22	<i>VAR5</i>	valyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:12651]
-0,520937852	0,00152873	0,005557613	<i>FANCE</i>	FA complementation group E [Source:HGNC Symbol;Acc:HGNC:3586]
-0,520843471	3,73E-15	4,62E-14	<i>EIF1AX</i>	eukaryotic translation initiation factor 1A X-linked [Source:HGNC Symbol;Acc:HGNC:3250]
-0,520715942	1,46E-10	1,29E-09	<i>ZNF503</i>	zinc finger protein 503 [Source:HGNC Symbol;Acc:HGNC:23589]
-0,520192203	3,07E-09	2,42E-08	<i>IFNGR1</i>	interferon gamma receptor 1 [Source:HGNC Symbol;Acc:HGNC:5439]
-0,519863364	0,000843369	0,003249655	<i>DPF1</i>	double PHD fingers 1 [Source:HGNC Symbol;Acc:HGNC:20225]
-0,519582196	2,43E-13	2,70E-12	<i>PLEKHJ1</i>	pleckstrin homology domain containing J1 [Source:HGNC Symbol;Acc:HGNC:18211]
-0,519431911	8,32E-09	6,31E-08	<i>TMEM150A</i>	transmembrane protein 150A [Source:HGNC Symbol;Acc:HGNC:24677]
-0,51941551	8,25E-08	5,68E-07	<i>HGH1</i>	HGH1 homolog [Source:HGNC Symbol;Acc:HGNC:24161]
-0,51934774	1,93E-32	5,21E-31	<i>PTBP1</i>	polypyrimidine tract binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9583]
-0,518721253	1,17E-15	1,49E-14	<i>CNR1</i>	cannabinoid receptor 1 [Source:HGNC Symbol;Acc:HGNC:2159]
-0,518138788	7,21E-11	6,51E-10	<i>DHX33</i>	DEAH-box helicase 33 [Source:HGNC Symbol;Acc:HGNC:16718]
-0,517725709	3,00E-10	2,58E-09	<i>PRPF4</i>	pre-mRNA processing factor 4 [Source:HGNC Symbol;Acc:HGNC:17349]
-0,517578841	1,81E-15	2,28E-14	<i>YWHAH</i>	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta [Source:HGNC Symbol;Acc:HGNC:12853]
-0,517474568	0,000232435	0,000990668	<i>NDUFAF4</i>	NADH:ubiquinone oxidoreductase complex assembly factor 4 [Source:HGNC Symbol;Acc:HGNC:21034]
-0,517200744	5,36E-09	4,14E-08	<i>STX2</i>	syntaxin 2 [Source:HGNC Symbol;Acc:HGNC:3403]
-0,517033038	4,20E-17	5,84E-16	<i>EIF2S1</i>	eukaryotic translation initiation factor 2 subunit alpha [Source:HGNC Symbol;Acc:HGNC:3265]
-0,516217014	1,65E-11	1,58E-10	<i>RBM14</i>	RNA binding motif protein 14 [Source:HGNC Symbol;Acc:HGNC:14219]
-0,516176866	2,58E-07	1,68E-06	<i>IGF2BP1</i>	insulin like growth factor 2 mRNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:28866]
-0,516089838	0,004761261	0,015453594	<i>PWP2</i>	PWP2, small subunit processome component [Source:HGNC Symbol;Acc:HGNC:9711]
-0,515597036	2,56E-34	7,31E-33	<i>PTTG1IP</i>	PTTG1 interacting protein [Source:HGNC Symbol;Acc:HGNC:13524]
-0,515449482	0,002162075	0,007616548	<i>SHISA1</i>	shisa like 1 [Source:HGNC Symbol;Acc:HGNC:29335]
-0,515171946	6,74E-12	6,65E-11	<i>POLR1A</i>	RNA polymerase I subunit A [Source:HGNC Symbol;Acc:HGNC:17264]
-0,514112226	7,79E-07	4,80E-06	<i>PPAT</i>	phosphoribosyl pyrophosphate amidotransferase [Source:HGNC Symbol;Acc:HGNC:9238]
-0,514070829	3,97E-40	1,35E-38	<i>PFN1</i>	profilin 1 [Source:HGNC Symbol;Acc:HGNC:8881]
-0,514010292	3,04E-05	0,000151533	<i>PDE6D</i>	phosphodiesterase 6D [Source:HGNC Symbol;Acc:HGNC:8788]
-0,513958348	0,001404725	0,005153135	<i>NDUFAF2</i>	NADH:ubiquinone oxidoreductase complex assembly factor 2 [Source:HGNC Symbol;Acc:HGNC:28086]
-0,513847197	0,009065262	0,027291419	<i>GPR135</i>	G protein-coupled receptor 135 [Source:HGNC Symbol;Acc:HGNC:19991]
-0,512744035	2,33E-10	2,03E-09	<i>ZBTB47</i>	zinc finger and BTB domain containing 47 [Source:HGNC Symbol;Acc:HGNC:26955]

-0,512660453	5,31E-08	3,73E-07	<i>SNRPD1</i>	small nuclear ribonucleoprotein D1 polypeptide [Source:HGNC Symbol;Acc:HGNC:11158]
-0,512054494	0,006981914	0,021678565	<i>ADAT2</i>	adenosine deaminase, tRNA specific 2 [Source:HGNC Symbol;Acc:HGNC:21172]
-0,511741562	4,48E-11	4,14E-10	<i>STARD3NL</i>	STARD3 N-terminal like [Source:HGNC Symbol;Acc:HGNC:19169]
-0,511740124	0,001512365	0,005510506	<i>CCDC113</i>	coiled-coil domain containing 113 [Source:HGNC Symbol;Acc:HGNC:25002]
-0,511004943	2,87E-24	5,61E-23	<i>EFNB2</i>	ephrin B2 [Source:HGNC Symbol;Acc:HGNC:3227]
-0,510861332	5,20E-19	8,02E-18	<i>ARPC4</i>	actin related protein 2/3 complex subunit 4 [Source:HGNC Symbol;Acc:HGNC:707]
-0,51082504	0,000943856	0,00359076	<i>POLD3</i>	DNA polymerase delta 3, accessory subunit [Source:HGNC Symbol;Acc:HGNC:20932]
-0,510471799	2,95E-16	3,88E-15	<i>TFDP1</i>	transcription factor Dp-1 [Source:HGNC Symbol;Acc:HGNC:11749]
-0,50989786	6,38E-06	3,49E-05	<i>BST1</i>	bone marrow stromal cell antigen 1 [Source:HGNC Symbol;Acc:HGNC:1118]
-0,509100274	2,16E-12	2,24E-11	<i>HSPA1A</i>	heat shock protein family A (Hsp70) member 1A [Source:HGNC Symbol;Acc:HGNC:5232]
-0,509076832	1,76E-09	1,42E-08	<i>ACTL6A</i>	actin like 6A [Source:HGNC Symbol;Acc:HGNC:24124]
-0,508824801	0,000362046	0,001490108	<i>CTU1</i>	cytosolic thioridylase subunit 1 [Source:HGNC Symbol;Acc:HGNC:29590]
-0,508629168	6,66E-09	5,11E-08	<i>NACAD</i>	NAC alpha domain containing [Source:HGNC Symbol;Acc:HGNC:22196]
-0,508513526	9,38E-13	1,00E-11	<i>DYNLT1</i>	dynein light chain Tctex-type 1 [Source:HGNC Symbol;Acc:HGNC:11697]
-0,508402211	6,44E-11	5,84E-10	<i>FOXD1</i>	forkhead box D1 [Source:HGNC Symbol;Acc:HGNC:3802]
-0,508004078	8,94E-11	8,01E-10	<i>KMT5A</i>	lysine methyltransferase 5A [Source:HGNC Symbol;Acc:HGNC:29489]
-0,507526277	6,64E-12	6,56E-11	<i>SNRPB</i>	small nuclear ribonucleoprotein polypeptides B and B1 [Source:HGNC Symbol;Acc:HGNC:11153]
-0,507292302	1,49E-05	7,75E-05	<i>OSBPL10</i>	oxysterol binding protein like 10 [Source:HGNC Symbol;Acc:HGNC:16395]
-0,50649115	0,017517856	0,048267998	<i>WNT3</i>	Wnt family member 3 [Source:HGNC Symbol;Acc:HGNC:12782]
-0,506340148	4,41E-10	3,75E-09	<i>PCGF5</i>	polycomb group ring finger 5 [Source:HGNC Symbol;Acc:HGNC:28264]
-0,506177266	4,29E-05	0,000208869	<i>AKTIP</i>	AKT interacting protein [Source:HGNC Symbol;Acc:HGNC:16710]
-0,505613472	0,00027104	0,001140707	<i>CA2</i>	carbonic anhydrase 2 [Source:HGNC Symbol;Acc:HGNC:1373]
-0,50555941	2,93E-18	4,34E-17	<i>ATP2C1</i>	ATPase secretory pathway Ca2+ transporting 1 [Source:HGNC Symbol;Acc:HGNC:13211]
-0,505262798	0,000258076	0,00108969	<i>MEIS3</i>	Meis homeobox 3 [Source:HGNC Symbol;Acc:HGNC:29537]
-0,505218677	1,06E-07	7,18E-07	<i>LIMK2</i>	LIM domain kinase 2 [Source:HGNC Symbol;Acc:HGNC:6614]
-0,50493084	2,09E-08	1,53E-07	<i>DOHH</i>	deoxyhypusine hydroxylase [Source:HGNC Symbol;Acc:HGNC:28662]
-0,504929878	0,004594542	0,014975089	<i>SGIP1</i>	SH3 domain GRB2 like endophilin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:25412]
-0,504539101	4,16E-11	3,86E-10	<i>KLF16</i>	Kruppel like factor 16 [Source:HGNC Symbol;Acc:HGNC:16857]
-0,504289917	0,000179944	0,000784894	<i>CMC2</i>	C-X9-C motif containing 2 [Source:HGNC Symbol;Acc:HGNC:24447]
-0,504078808	0,001825267	0,006519625	<i>TNFSF9</i>	TNF superfamily member 9 [Source:HGNC Symbol;Acc:HGNC:11939]
-0,503566689	1,85E-08	1,36E-07	<i>TOR1B</i>	torsin family 1 member B [Source:HGNC Symbol;Acc:HGNC:11995]
-0,503345129	1,83E-16	2,43E-15	<i>CCDC50</i>	coiled-coil domain containing 50 [Source:HGNC Symbol;Acc:HGNC:18111]

-0,503043721	0,000284641	0,001192003	<i>TMEM200B</i>	transmembrane protein 200B [Source:HGNC Symbol;Acc:HGNC:33785]
-0,502717384	0,004089608	0,013469608	<i>TEDC1</i>	tubulin epsilon and delta complex 1 [Source:HGNC Symbol;Acc:HGNC:20127]
-0,502213717	1,94E-19	3,06E-18	<i>MRC2</i>	mannose receptor C type 2 [Source:HGNC Symbol;Acc:HGNC:16875]
-0,502081194	1,38E-20	2,28E-19	<i>ERBIN</i>	erbB2 interacting protein [Source:HGNC Symbol;Acc:HGNC:15842]
-0,501876658	3,84E-10	3,27E-09	<i>PNN</i>	pinin, desmosome associated protein [Source:HGNC Symbol;Acc:HGNC:9162]
-0,501775194	3,50E-12	3,54E-11	<i>DUS1L</i>	dihydrouridine synthase 1 like [Source:HGNC Symbol;Acc:HGNC:30086]
-0,501555006	4,66E-18	6,85E-17	<i>PLXNA1</i>	plexin A1 [Source:HGNC Symbol;Acc:HGNC:9099]
-0,501392034	3,80E-09	2,98E-08	<i>SRPRB</i>	SRP receptor subunit beta [Source:HGNC Symbol;Acc:HGNC:24085]
-0,501268853	0,000205141	0,000882502	<i>PROSER3</i>	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]
-0,500980192	0,013613308	0,038884287	<i>COL11A2</i>	collagen type XI alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2187]
-0,500605445	9,86E-05	0,000452463	<i>KRT7</i>	keratin 7 [Source:HGNC Symbol;Acc:HGNC:6445]
-0,500560257	1,45E-07	9,67E-07	<i>NIPSNAP3A</i>	nipsnap homolog 3A [Source:HGNC Symbol;Acc:HGNC:23619]
-0,500105414	4,07E-12	4,10E-11	<i>CHST14</i>	carbohydrate sulfotransferase 14 [Source:HGNC Symbol;Acc:HGNC:24464]
-0,500062363	3,66E-12	3,70E-11	<i>ATIC</i>	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Source:HGNC Symbol;Acc:HGNC:794]
-0,499988668	0,010133616	0,030060067	<i>GEMIN6</i>	gem nuclear organelle associated protein 6 [Source:HGNC Symbol;Acc:HGNC:20044]
-0,499606917	9,72E-09	7,34E-08	<i>LRP12</i>	LDL receptor related protein 12 [Source:HGNC Symbol;Acc:HGNC:31708]
-0,499585793	2,34E-05	0,000118594	<i>LYPD6</i>	LY6/PLAUR domain containing 6 [Source:HGNC Symbol;Acc:HGNC:28751]
-0,499372005	1,51E-06	8,98E-06	<i>RNF150</i>	ring finger protein 150 [Source:HGNC Symbol;Acc:HGNC:23138]
-0,499360937	3,69E-12	3,73E-11	<i>GTF3A</i>	general transcription factor IIIA [Source:HGNC Symbol;Acc:HGNC:4662]
-0,49873136	5,24E-10	4,42E-09	<i>GLIS2</i>	GLIS family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:29450]
-0,498669035	7,20E-05	0,000337775	<i>DNAL1</i>	dynein axonemal light chain 1 [Source:HGNC Symbol;Acc:HGNC:23247]
-0,498501132	1,46E-17	2,09E-16	<i>DEK</i>	DEK proto-oncogene [Source:HGNC Symbol;Acc:HGNC:2768]
-0,49821985	8,03E-06	4,34E-05	<i>ABHD5</i>	abhydrolase domain containing 5 [Source:HGNC Symbol;Acc:HGNC:21396]
-0,498179676	0,017190597	0,047494409	<i>CASP1</i>	caspase 1 [Source:HGNC Symbol;Acc:HGNC:1499]
-0,497495558	8,92E-06	4,78E-05	<i>DCUN1D3</i>	defective in cullin neddylation 1 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:28734]
-0,497445171	2,28E-12	2,36E-11	<i>PNMA2</i>	PNMA family member 2 [Source:HGNC Symbol;Acc:HGNC:9159]
-0,497377936	0,001044867	0,003937221	<i>C1orf131</i>	chromosome 1 open reading frame 131 [Source:HGNC Symbol;Acc:HGNC:25332]
-0,497286359	3,49E-05	0,000172075	<i>RIOX2</i>	ribosomal oxygenase 2 [Source:HGNC Symbol;Acc:HGNC:19441]
-0,497052541	0,000147257	0,000652287	<i>ADAMTS9</i>	ADAM metalloproteinase with thrombospondin type 1 motif 9 [Source:HGNC Symbol;Acc:HGNC:13202]
-0,496569776	1,36E-17	1,95E-16	<i>IRS1</i>	insulin receptor substrate 1 [Source:HGNC Symbol;Acc:HGNC:6125]
-0,496503704	6,96E-08	4,83E-07	<i>C1QTNF6</i>	C1q and TNF related 6 [Source:HGNC Symbol;Acc:HGNC:14343]
-0,495890864	5,68E-19	8,76E-18	<i>PPP4R1</i>	protein phosphatase 4 regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:9320]

-0,495758948	5,02E-07	3,16E-06	COMMD2	COMM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24993]
-0,495672683	1,07E-21	1,86E-20	F2R	coagulation factor II thrombin receptor [Source:HGNC Symbol;Acc:HGNC:3537]
-0,495335967	0,00652816	0,020495952	CEP57L1	centrosomal protein 57 like 1 [Source:HGNC Symbol;Acc:HGNC:21561]
-0,494452094	1,62E-05	8,36E-05	RIN3	Ras and Rab interactor 3 [Source:HGNC Symbol;Acc:HGNC:18751]
-0,494315369	4,40E-11	4,07E-10	NCBP1	nuclear cap binding protein subunit 1 [Source:HGNC Symbol;Acc:HGNC:7658]
-0,494266001	2,70E-18	4,01E-17	YARS	tyrosyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:12840]
-0,494193912	0,000893237	0,003418291	FAT1	FAT atypical cadherin 1 [Source:HGNC Symbol;Acc:HGNC:3595]
-0,493398954	6,35E-12	6,28E-11	PLEKHO1	pleckstrin homology domain containing O1 [Source:HGNC Symbol;Acc:HGNC:24310]
-0,493335548	6,89E-05	0,000324484	HES4	hes family bHLH transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:24149]
-0,492362426	3,41E-10	2,92E-09	MPP5	membrane palmitoylated protein 5 [Source:HGNC Symbol;Acc:HGNC:18669]
-0,491634448	6,34E-14	7,31E-13	ADAMTS12	ADAM metalloproteinase with thrombospondin type 1 motif 12 [Source:HGNC Symbol;Acc:HGNC:14605]
-0,491572758	5,23E-06	2,89E-05	MZT1	mitotic spindle organizing protein 1 [Source:HGNC Symbol;Acc:HGNC:33830]
-0,491427759	8,41E-07	5,16E-06	BAG2	BCL2 associated athanogene 2 [Source:HGNC Symbol;Acc:HGNC:938]
-0,491140129	2,04E-18	3,05E-17	EFR3A	EFR3 homolog A [Source:HGNC Symbol;Acc:HGNC:28970]
-0,490980625	2,70E-16	3,56E-15	CSE1L	chromosome segregation 1 like [Source:HGNC Symbol;Acc:HGNC:2431]
-0,490621483	3,66E-26	7,71E-25	CAV1	caveolin 1 [Source:HGNC Symbol;Acc:HGNC:1527]
-0,490519246	2,92E-07	1,89E-06	ZSWIM6	zinc finger SWIM-type containing 6 [Source:HGNC Symbol;Acc:HGNC:29316]
-0,490425241	5,55E-15	6,77E-14	FOXN3	forkhead box N3 [Source:HGNC Symbol;Acc:HGNC:1928]
-0,490281839	4,51E-06	2,51E-05	BNC2	basonuclin 2 [Source:HGNC Symbol;Acc:HGNC:30988]
-0,490193284	0,00370608	0,012348934	PLS1	plastin 1 [Source:HGNC Symbol;Acc:HGNC:9090]
-0,489812722	0,000369245	0,001518129	WRAP53	WD repeat containing antisense to TP53 [Source:HGNC Symbol;Acc:HGNC:25522]
-0,489119098	6,91E-12	6,80E-11	DESI1	desumoylating isopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:24577]
-0,488552462	9,39E-06	5,02E-05	ZNF275	zinc finger protein 275 [Source:HGNC Symbol;Acc:HGNC:13069]
-0,488296344	8,05E-09	6,11E-08	CHRD1	chordin like 1 [Source:HGNC Symbol;Acc:HGNC:29861]
-0,487989249	0,005016646	0,016190426	ARHGAP19	Rho GTPase activating protein 19 [Source:HGNC Symbol;Acc:HGNC:23724]
-0,487940266	1,45E-14	1,73E-13	WDR45B	WD repeat domain 45B [Source:HGNC Symbol;Acc:HGNC:25072]
-0,487918104	2,95E-08	2,12E-07	TNS1	tensin 1 [Source:HGNC Symbol;Acc:HGNC:11973]
-0,487504322	0,008480143	0,025749594	SHISA2	shisa family member 2 [Source:HGNC Symbol;Acc:HGNC:20366]
-0,487447716	9,15E-19	1,40E-17	SEC23A	Sec23 homolog A, coat complex II component [Source:HGNC Symbol;Acc:HGNC:10701]
-0,487303525	4,05E-08	2,87E-07	PDCL3	phosducin like 3 [Source:HGNC Symbol;Acc:HGNC:28860]
-0,48717129	3,77E-10	3,22E-09	SLC31A1	solute carrier family 31 member 1 [Source:HGNC Symbol;Acc:HGNC:11016]
-0,486397418	5,55E-16	7,17E-15	PALM	paralemmin [Source:HGNC Symbol;Acc:HGNC:8594]
-0,486341954	1,16E-09	9,50E-09	CEP89	centrosomal protein 89 [Source:HGNC Symbol;Acc:HGNC:25907]
-0,486275199	3,09E-22	5,45E-21	TUBA1C	tubulin alpha 1c [Source:HGNC Symbol;Acc:HGNC:20768]

-0,485923313	5,11E-16	6,62E-15	UBE2G2	ubiquitin conjugating enzyme E2 G2 [Source:HGNC Symbol;Acc:HGNC:12483]
-0,485909172	4,62E-13	5,06E-12	ABHD12	abhydrolase domain containing 12 [Source:HGNC Symbol;Acc:HGNC:15868]
-0,485774587	2,96E-05	0,000147831	FAM118A	family with sequence similarity 118 member A [Source:HGNC Symbol;Acc:HGNC:1313]
-0,485693941	7,75E-08	5,35E-07	BTN2A1	butyrophilin subfamily 2 member A1 [Source:HGNC Symbol;Acc:HGNC:1136]
-0,48559463	0,001060226	0,003986581	ATRIP	ATR interacting protein [Source:HGNC Symbol;Acc:HGNC:33499]
-0,484949814	5,25E-09	4,06E-08	XXYLT1	xyloside xylosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:26639]
-0,484861128	0,006572178	0,02061414	DUSP10	dual specificity phosphatase 10 [Source:HGNC Symbol;Acc:HGNC:3065]
-0,484860353	8,43E-13	9,04E-12	SMC1A	structural maintenance of chromosomes 1A [Source:HGNC Symbol;Acc:HGNC:11111]
-0,484722403	0,0072699	0,022472075	TMEM267	transmembrane protein 267 [Source:HGNC Symbol;Acc:HGNC:26139]
-0,484263755	3,84E-18	5,68E-17	KDELRL2	KDEL endoplasmic reticulum protein retention receptor 2 [Source:HGNC Symbol;Acc:HGNC:6305]
-0,482890037	0,007912506	0,024200172	CENPH	centromere protein H [Source:HGNC Symbol;Acc:HGNC:17268]
-0,48275798	3,40E-11	3,17E-10	SLC35C1	solute carrier family 35 member C1 [Source:HGNC Symbol;Acc:HGNC:20197]
-0,482418013	2,33E-06	1,35E-05	TAP2	transporter 2, ATP binding cassette subfamily B member [Source:HGNC Symbol;Acc:HGNC:44]
-0,482393568	6,00E-21	1,01E-19	LRRN1	leucine rich repeat neuronal 1 [Source:HGNC Symbol;Acc:HGNC:20980]
-0,481999337	7,56E-07	4,67E-06	CCNYL1	cyclin Y like 1 [Source:HGNC Symbol;Acc:HGNC:26868]
-0,481983412	0,001560731	0,005659108	ADRA1B	adrenoceptor alpha 1B [Source:HGNC Symbol;Acc:HGNC:278]
-0,481287492	3,85E-13	4,24E-12	BOP1	block of proliferation 1 [Source:HGNC Symbol;Acc:HGNC:15519]
-0,481141369	1,02E-16	1,38E-15	CLUH	clustered mitochondria homolog [Source:HGNC Symbol;Acc:HGNC:29094]
-0,480910047	1,52E-24	3,00E-23	HSPD1	heat shock protein family D (Hsp60) member 1 [Source:HGNC Symbol;Acc:HGNC:5261]
-0,480770378	5,91E-06	3,25E-05	TWNK	twinkle mtDNA helicase [Source:HGNC Symbol;Acc:HGNC:1160]
-0,480525768	0,005191623	0,016694057	TUBE1	tubulin epsilon 1 [Source:HGNC Symbol;Acc:HGNC:20775]
-0,480400749	3,16E-20	5,14E-19	DHX15	DEAH-box helicase 15 [Source:HGNC Symbol;Acc:HGNC:2738]
-0,480331922	3,71E-11	3,45E-10	PHGDH	phosphoglycerate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:8923]
-0,480231328	8,07E-10	6,70E-09	SMC4	structural maintenance of chromosomes 4 [Source:HGNC Symbol;Acc:HGNC:14013]
-0,48009991	1,35E-06	8,08E-06	TRMT61A	tRNA methyltransferase 61A [Source:HGNC Symbol;Acc:HGNC:23790]
-0,479950118	7,40E-10	6,16E-09	PHLPP1	PH domain and leucine rich repeat protein phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:20610]
-0,479855095	8,63E-06	4,65E-05	TXNDC11	thioredoxin domain containing 11 [Source:HGNC Symbol;Acc:HGNC:28030]
-0,479392363	2,56E-09	2,03E-08	SELENOM	selenoprotein M [Source:HGNC Symbol;Acc:HGNC:30397]
-0,479248872	2,28E-07	1,49E-06	HSPA12A	heat shock protein family A (Hsp70) member 12A [Source:HGNC Symbol;Acc:HGNC:19022]
-0,47911828	0,000108202	0,00049175	SCNN1A	sodium channel epithelial 1 alpha subunit [Source:HGNC Symbol;Acc:HGNC:10599]
-0,478276446	1,77E-18	2,66E-17	PAICS	phosphoribosylaminoimidazole carboxylase and phosphoribosylaminoimidazolesuccinocarboxamide synthase [Source:HGNC Symbol;Acc:HGNC:8587]

-0,478142231	0,000283279	0,001187069	<i>TMEM268</i>	transmembrane protein 268 [Source:HGNC Symbol;Acc:HGNC:24513]
-0,477918449	1,81E-06	1,07E-05	<i>CSGALNACT2</i>	chondroitin sulfate N-acetylgalactosaminyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:24292]
-0,477865331	4,91E-05	0,000236989	<i>FOX L1</i>	forkhead box L1 [Source:HGNC Symbol;Acc:HGNC:3817]
-0,477523829	2,46E-05	0,000124335	<i>TRMU</i>	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [Source:HGNC Symbol;Acc:HGNC:25481]
-0,477391216	2,39E-06	1,38E-05	<i>TOP3A</i>	DNA topoisomerase III alpha [Source:HGNC Symbol;Acc:HGNC:11992]
-0,477250286	1,66E-05	8,54E-05	<i>TDP1</i>	tyrosyl-DNA phosphodiesterase 1 [Source:HGNC Symbol;Acc:HGNC:18884]
-0,476812279	3,62E-06	2,05E-05	<i>DAGLB</i>	diacylglycerol lipase beta [Source:HGNC Symbol;Acc:HGNC:28923]
-0,476785497	2,41E-30	6,01E-29	<i>MAP4</i>	microtubule associated protein 4 [Source:HGNC Symbol;Acc:HGNC:6862]
-0,47607709	3,58E-12	3,62E-11	<i>BCL2L1</i>	BCL2 like 1 [Source:HGNC Symbol;Acc:HGNC:992]
-0,476030275	9,84E-08	6,72E-07	<i>ATP5MC1</i>	ATP synthase membrane subunit c locus 1 [Source:HGNC Symbol;Acc:HGNC:841]
-0,475962281	1,66E-08	1,23E-07	<i>CDR2L</i>	cerebellar degeneration related protein 2 like [Source:HGNC Symbol;Acc:HGNC:29999]
-0,475854149	3,04E-11	2,85E-10	<i>KLHL5</i>	kelch like family member 5 [Source:HGNC Symbol;Acc:HGNC:6356]
-0,475240217	0,00033152	0,00137233	<i>TTC27</i>	tetratricopeptide repeat domain 27 [Source:HGNC Symbol;Acc:HGNC:25986]
-0,475037805	1,99E-16	2,65E-15	<i>RBM3</i>	RNA binding motif protein 3 [Source:HGNC Symbol;Acc:HGNC:9900]
-0,474496596	2,44E-12	2,53E-11	<i>PA2G4</i>	proliferation-associated 2G4 [Source:HGNC Symbol;Acc:HGNC:8550]
-0,474060341	5,34E-09	4,12E-08	<i>NUP153</i>	nucleoporin 153 [Source:HGNC Symbol;Acc:HGNC:8062]
-0,473857497	7,67E-11	6,90E-10	<i>NUP205</i>	nucleoporin 205 [Source:HGNC Symbol;Acc:HGNC:18658]
-0,473679271	2,23E-06	1,30E-05	<i>RRP9</i>	ribosomal RNA processing 9, U3 small nucleolar RNA binding protein [Source:HGNC Symbol;Acc:HGNC:16829]
-0,473444946	1,61E-10	1,42E-09	<i>DDX18</i>	DEAD-box helicase 18 [Source:HGNC Symbol;Acc:HGNC:2741]
-0,4732221	0,00833202	0,025335503	<i>RNF144B</i>	ring finger protein 144B [Source:HGNC Symbol;Acc:HGNC:21578]
-0,473018611	0,01396113	0,03972576	<i>ARHGEF18</i>	Rho/Rac guanine nucleotide exchange factor 18 [Source:HGNC Symbol;Acc:HGNC:17090]
-0,472922207	4,03E-10	3,44E-09	<i>HMOX2</i>	heme oxygenase 2 [Source:HGNC Symbol;Acc:HGNC:5014]
-0,472821647	0,017194379	0,047498094	<i>ADSL</i>	adenylosuccinate lyase [Source:HGNC Symbol;Acc:HGNC:291]
-0,472713849	3,50E-16	4,58E-15	<i>PTPRM</i>	protein tyrosine phosphatase, receptor type M [Source:HGNC Symbol;Acc:HGNC:9675]
-0,472234395	5,59E-06	3,08E-05	<i>ENOPH1</i>	enolase-phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:24599]
-0,472173151	3,15E-07	2,03E-06	<i>IGSF3</i>	immunoglobulin superfamily member 3 [Source:HGNC Symbol;Acc:HGNC:5950]
-0,471931651	1,48E-07	9,87E-07	<i>GRPEL1</i>	GrpE like 1, mitochondrial [Source:HGNC Symbol;Acc:HGNC:19696]
-0,471764816	0,007360844	0,022709784	<i>DBF4</i>	DBF4 zinc finger [Source:HGNC Symbol;Acc:HGNC:17364]
-0,471611508	4,14E-07	2,63E-06	<i>ROR1</i>	receptor tyrosine kinase like orphan receptor 1 [Source:HGNC Symbol;Acc:HGNC:10256]
-0,471479808	0,003739758	0,012441924	<i>RBMS3</i>	RNA binding motif single stranded interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:13427]
-0,471353322	0,001033411	0,003898595	<i>ACHE</i>	acetylcholinesterase (Cartwright blood group) [Source:HGNC Symbol;Acc:HGNC:108]
-0,471271503	1,21E-28	2,81E-27	<i>MSN</i>	moesin [Source:HGNC Symbol;Acc:HGNC:7373]

-0,471156288	1,95E-10	1,71E-09	HMGB3	high mobility group box 3 [Source:HGNC Symbol;Acc:HGNC:5004]
-0,470976495	2,34E-12	2,43E-11	FZD2	frizzled class receptor 2 [Source:HGNC Symbol;Acc:HGNC:4040]
-0,470603615	1,45E-06	8,67E-06	TMEM87B	transmembrane protein 87B [Source:HGNC Symbol;Acc:HGNC:25913]
-0,47036874	0,00574918	0,018283936	PRXL2C	peroxiredoxin like 2C [Source:HGNC Symbol;Acc:HGNC:16881]
-0,470340079	1,65E-08	1,22E-07	NOL11	nucleolar protein 11 [Source:HGNC Symbol;Acc:HGNC:24557]
-0,470204029	6,54E-08	4,55E-07	SELENOS	selenoprotein S [Source:HGNC Symbol;Acc:HGNC:30396]
-0,469411058	1,25E-06	7,50E-06	NEBL	nebulette [Source:HGNC Symbol;Acc:HGNC:16932]
-0,469329358	8,82E-07	5,41E-06	ODF2	outer dense fiber of sperm tails 2 [Source:HGNC Symbol;Acc:HGNC:8114]
-0,469287417	0,000133739	0,000598554	UCHL5	ubiquitin C-terminal hydrolase L5 [Source:HGNC Symbol;Acc:HGNC:19678]
-0,469266587	0,005485301	0,017536696	LRRRC8C	leucine rich repeat containing 8 VRAC subunit C [Source:HGNC Symbol;Acc:HGNC:25075]
-0,469163164	1,53E-10	1,35E-09	SLC2A6	solute carrier family 2 member 6 [Source:HGNC Symbol;Acc:HGNC:11011]
-0,469106643	6,87E-12	6,77E-11	RBMS2	RNA binding motif single stranded interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:9909]
-0,469035422	7,87E-05	0,000367022	RASL10B	RAS like family 10 member B [Source:HGNC Symbol;Acc:HGNC:30295]
-0,469033879	4,30E-11	3,99E-10	FAR1	fatty acyl-CoA reductase 1 [Source:HGNC Symbol;Acc:HGNC:26222]
-0,468834445	1,61E-06	9,58E-06	SLC35B4	solute carrier family 35 member B4 [Source:HGNC Symbol;Acc:HGNC:20584]
-0,468717724	0,000696755	0,002729357	DTD2	D-tyrosyl-tRNA deacylase 2 (putative) [Source:HGNC Symbol;Acc:HGNC:20277]
-0,468565823	7,92E-23	1,44E-21	CD24	CD24 molecule [Source:HGNC Symbol;Acc:HGNC:1645]
-0,468399664	4,84E-38	1,55E-36	CFL1	cofilin 1 [Source:HGNC Symbol;Acc:HGNC:1874]
-0,468318092	0,000117889	0,000532657	ARHGAP33	Rho GTPase activating protein 33 [Source:HGNC Symbol;Acc:HGNC:23085]
-0,468026216	2,53E-24	4,96E-23	ITGB8	integrin subunit beta 8 [Source:HGNC Symbol;Acc:HGNC:6163]
-0,467817964	1,78E-07	1,18E-06	EVI5	ecotropic viral integration site 5 [Source:HGNC Symbol;Acc:HGNC:3501]
-0,467081242	7,73E-06	4,19E-05	ANKRD13B	ankyrin repeat domain 13B [Source:HGNC Symbol;Acc:HGNC:26363]
-0,466844611	2,24E-05	0,000113834	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:HGNC Symbol;Acc:HGNC:8604]
-0,466793115	6,68E-16	8,60E-15	SEPT8	septin 8 [Source:HGNC Symbol;Acc:HGNC:16511]
-0,465953551	1,90E-07	1,25E-06	PGAM5	PGAM family member 5, mitochondrial serine/threonine protein phosphatase [Source:HGNC Symbol;Acc:HGNC:28763]
-0,465847217	1,22E-08	9,11E-08	IKBIP	IKBKB interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]
-0,464773801	0,000145247	0,00064412	TICAM1	toll like receptor adaptor molecule 1 [Source:HGNC Symbol;Acc:HGNC:18348]
-0,463519489	2,74E-18	4,07E-17	SYNCRIP	synaptotagmin binding cytoplasmic RNA interacting protein [Source:HGNC Symbol;Acc:HGNC:16918]
-0,463418521	1,36E-05	7,08E-05	ABCF2	ATP binding cassette subfamily F member 2 [Source:HGNC Symbol;Acc:HGNC:71]
-0,46326986	9,94E-05	0,000455618	ISOC1	isochorismatase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24254]
-0,462992182	0,00948207	0,028357074	HSPA14	heat shock protein family A (Hsp70) member 14 [Source:HGNC Symbol;Acc:HGNC:29526]
-0,462189324	0,00123443	0,004575997	COQ2	coenzyme Q2, polyprenyltransferase [Source:HGNC Symbol;Acc:HGNC:25223]
-0,461983996	1,13E-05	5,96E-05	DPH2	DPH2 homolog [Source:HGNC Symbol;Acc:HGNC:3004]

-0,461949369	0,000252158	0,001067725	<i>BRX1</i>	BRX1, biogenesis of ribosomes [Source:HGNC Symbol;Acc:HGNC:24170]
-0,461279324	0,002579504	0,008914726	<i>TXNDC5</i>	thioredoxin domain containing 5 [Source:HGNC Symbol;Acc:HGNC:21073]
-0,461240104	4,62E-12	4,63E-11	<i>HNRNPH1</i>	heterogeneous nuclear ribonucleoprotein H1 [Source:HGNC Symbol;Acc:HGNC:5041]
-0,461098651	1,45E-08	1,08E-07	<i>STK10</i>	serine/threonine kinase 10 [Source:HGNC Symbol;Acc:HGNC:11388]
-0,460414871	3,53E-09	2,77E-08	<i>RRM1</i>	ribonucleotide reductase catalytic subunit M1 [Source:HGNC Symbol;Acc:HGNC:10451]
-0,460102365	1,35E-10	1,20E-09	<i>PTBP3</i>	polypyrimidine tract binding protein 3 [Source:HGNC Symbol;Acc:HGNC:10253]
-0,45957887	4,14E-09	3,23E-08	<i>SKA2</i>	spindle and kinetochore associated complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:28006]
-0,459348528	9,41E-05	0,000433385	<i>EGR1</i>	early growth response 1 [Source:HGNC Symbol;Acc:HGNC:3238]
-0,458396658	1,76E-08	1,30E-07	<i>CACYBP</i>	calcyclin binding protein [Source:HGNC Symbol;Acc:HGNC:30423]
-0,458243791	0,000333404	0,001379541	<i>PTTG1</i>	pituitary tumor-transforming 1 [Source:HGNC Symbol;Acc:HGNC:9690]
-0,458215309	1,22E-09	9,90E-09	<i>DDR2</i>	discoidin domain receptor tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:2731]
-0,458085638	0,005543968	0,017700927	<i>DENND1B</i>	DENN domain containing 1B [Source:HGNC Symbol;Acc:HGNC:28404]
-0,457938389	0,000134975	0,000603809	<i>CNEP1R1</i>	CTD nuclear envelope phosphatase 1 regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:26759]
-0,457805479	6,19E-07	3,85E-06	<i>WDR77</i>	WD repeat domain 77 [Source:HGNC Symbol;Acc:HGNC:29652]
-0,457160706	0,001935222	0,006875807	<i>HOMER1</i>	homer scaffold protein 1 [Source:HGNC Symbol;Acc:HGNC:17512]
-0,45712191	7,86E-12	7,70E-11	<i>OSTC</i>	oligosaccharyltransferase complex non-catalytic subunit [Source:HGNC Symbol;Acc:HGNC:24448]
-0,456770515	0,000576171	0,002286073	<i>TMEM18</i>	transmembrane protein 18 [Source:HGNC Symbol;Acc:HGNC:25257]
-0,456747033	3,49E-12	3,54E-11	<i>DUSP3</i>	dual specificity phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:3069]
-0,456658053	0,000165111	0,000724754	<i>MED21</i>	mediator complex subunit 21 [Source:HGNC Symbol;Acc:HGNC:11473]
-0,456620744	8,70E-08	5,97E-07	<i>SLC27A4</i>	solute carrier family 27 member 4 [Source:HGNC Symbol;Acc:HGNC:10998]
-0,455877928	0,000205032	0,00088223	<i>LCMT2</i>	leucine carboxyl methyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:17558]
-0,455864546	3,67E-21	6,26E-20	<i>DAG1</i>	dystroglycan 1 [Source:HGNC Symbol;Acc:HGNC:2666]
-0,455846121	4,34E-17	6,02E-16	<i>PTPRF</i>	protein tyrosine phosphatase, receptor type F [Source:HGNC Symbol;Acc:HGNC:9670]
-0,455703328	0,000177023	0,000773021	<i>MAP7D3</i>	MAP7 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:25742]
-0,455414753	1,32E-12	1,39E-11	<i>BICD2</i>	BICD cargo adaptor 2 [Source:HGNC Symbol;Acc:HGNC:17208]
-0,455282137	1,48E-07	9,87E-07	<i>LSG1</i>	large 60S subunit nuclear export GTPase 1 [Source:HGNC Symbol;Acc:HGNC:25652]
-0,454835635	0,002583132	0,008924383	<i>PDZD4</i>	PDZ domain containing 4 [Source:HGNC Symbol;Acc:HGNC:21167]
-0,454616298	1,06E-07	7,20E-07	<i>BLMH</i>	bleomycin hydrolase [Source:HGNC Symbol;Acc:HGNC:1059]
-0,453906575	2,85E-13	3,16E-12	<i>GSPT1</i>	G1 to S phase transition 1 [Source:HGNC Symbol;Acc:HGNC:4621]
-0,453707375	9,12E-08	6,25E-07	<i>ZNF598</i>	zinc finger protein 598 [Source:HGNC Symbol;Acc:HGNC:28079]
-0,453599938	4,12E-06	2,31E-05	<i>RTL10</i>	retrotransposon Gag like 10 [Source:HGNC Symbol;Acc:HGNC:26112]

-0,453336659	3,26E-06	1,85E-05	<i>DCUN1D5</i>	defective in cullin neddylation 1 domain containing 5 [Source:HGNC Symbol;Acc:HGNC:28409]
-0,453300661	1,21E-23	2,27E-22	<i>MCL1</i>	MCL1, BCL2 family apoptosis regulator [Source:HGNC Symbol;Acc:HGNC:6943]
-0,453053896	0,010027357	0,029776723	<i>MPP1</i>	membrane palmitoylated protein 1 [Source:HGNC Symbol;Acc:HGNC:7219]
-0,453041635	0,011636856	0,033953515	<i>PGBD1</i>	piggyBac transposable element derived 1 [Source:HGNC Symbol;Acc:HGNC:19398]
-0,452648093	4,60E-05	0,000223229	<i>POP7</i>	POP7 homolog, ribonuclease P/MRP subunit [Source:HGNC Symbol;Acc:HGNC:19949]
-0,451993605	9,11E-17	1,24E-15	<i>AXL</i>	AXL receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:905]
-0,451981056	0,001152034	0,004302611	<i>CBX2</i>	chromobox 2 [Source:HGNC Symbol;Acc:HGNC:1552]
-0,451837264	3,83E-07	2,44E-06	<i>PLA2G15</i>	phospholipase A2 group XV [Source:HGNC Symbol;Acc:HGNC:17163]
-0,451647168	5,70E-11	5,19E-10	<i>BIRC2</i>	baculoviral IAP repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:590]
-0,451350944	0,000757817	0,002945362	<i>TSEN54</i>	tRNA splicing endonuclease subunit 54 [Source:HGNC Symbol;Acc:HGNC:27561]
-0,451228141	1,31E-05	6,86E-05	<i>CDK7</i>	cyclin dependent kinase 7 [Source:HGNC Symbol;Acc:HGNC:1778]
-0,450993821	6,59E-06	3,60E-05	<i>SNTA1</i>	syntrophin alpha 1 [Source:HGNC Symbol;Acc:HGNC:11167]
-0,450954212	1,60E-06	9,50E-06	<i>PLA2G12A</i>	phospholipase A2 group XIIA [Source:HGNC Symbol;Acc:HGNC:18554]
-0,450832714	9,87E-12	9,61E-11	<i>NUP93</i>	nucleoporin 93 [Source:HGNC Symbol;Acc:HGNC:28958]
-0,450642423	8,72E-05	0,000404069	<i>SSSCA1</i>	Sjogren syndrome/scleroderma autoantigen 1 [Source:HGNC Symbol;Acc:HGNC:11328]
-0,450586548	1,10E-26	2,37E-25	<i>ARPC2</i>	actin related protein 2/3 complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:705]
-0,4504562	1,76E-05	9,05E-05	<i>C17orf51</i>	chromosome 17 open reading frame 51 [Source:HGNC Symbol;Acc:HGNC:27904]
-0,450221078	2,53E-20	4,14E-19	<i>SLC4A2</i>	solute carrier family 4 member 2 [Source:HGNC Symbol;Acc:HGNC:11028]
-0,449537492	2,15E-13	2,40E-12	<i>GPD2</i>	glycerol-3-phosphate dehydrogenase 2 [Source:HGNC Symbol;Acc:HGNC:4456]
-0,449451653	7,54E-06	4,09E-05	<i>FAM207A</i>	family with sequence similarity 207 member A [Source:HGNC Symbol;Acc:HGNC:15811]
-0,449101198	6,02E-08	4,20E-07	<i>CDH11</i>	cadherin 11 [Source:HGNC Symbol;Acc:HGNC:1750]
-0,448457917	4,65E-05	0,000225021	<i>TATDN2</i>	TatD DNase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28988]
-0,448265786	4,19E-06	2,34E-05	<i>FAM57A</i>	family with sequence similarity 57 member A [Source:HGNC Symbol;Acc:HGNC:29646]
-0,447403353	0,001393771	0,005117788	<i>GABPB1</i>	GA binding protein transcription factor subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:4074]
-0,447200959	0,009318754	0,027924606	<i>SLC35G2</i>	solute carrier family 35 member G2 [Source:HGNC Symbol;Acc:HGNC:28480]
-0,446782881	5,55E-09	4,28E-08	<i>SLC35F6</i>	solute carrier family 35 member F6 [Source:HGNC Symbol;Acc:HGNC:26055]
-0,446541879	2,49E-17	3,51E-16	<i>ESYT1</i>	extended synaptotagmin 1 [Source:HGNC Symbol;Acc:HGNC:29534]
-0,445460213	1,46E-09	1,18E-08	<i>PGM3</i>	phosphoglucomutase 3 [Source:HGNC Symbol;Acc:HGNC:8907]
-0,445370277	0,00272537	0,009374074	<i>CCDC167</i>	coiled-coil domain containing 167 [Source:HGNC Symbol;Acc:HGNC:21239]
-0,445365306	9,28E-08	6,36E-07	<i>TBC1D2B</i>	TBC1 domain family member 2B [Source:HGNC Symbol;Acc:HGNC:29183]
-0,445104677	4,16E-13	4,57E-12	<i>PLXNA3</i>	plexin A3 [Source:HGNC Symbol;Acc:HGNC:9101]
-0,444941443	2,35E-06	1,36E-05	<i>PCDH9</i>	protocadherin 9 [Source:HGNC Symbol;Acc:HGNC:8661]
-0,444710285	0,001423499	0,005212156	<i>CYP2U1</i>	cytochrome P450 family 2 subfamily U member 1 [Source:HGNC Symbol;Acc:HGNC:20582]

-0,444628981	0,003404277	0,011441531	MIS18A	MIS18 kinetochore protein A [Source:HGNC Symbol;Acc:HGNC:1286]
-0,443760295	0,000147143	0,000651929	GTPBP3	GTP binding protein 3, mitochondrial [Source:HGNC Symbol;Acc:HGNC:14880]
-0,443739314	1,00E-07	6,84E-07	DRAM1	DNA damage regulated autophagy modulator 1 [Source:HGNC Symbol;Acc:HGNC:25645]
-0,443646375	7,67E-11	6,90E-10	MFSD14B	major facilitator superfamily domain containing 14B [Source:HGNC Symbol;Acc:HGNC:23376]
-0,443630482	0,000152868	0,000675138	ZNF526	zinc finger protein 526 [Source:HGNC Symbol;Acc:HGNC:29415]
-0,443587088	2,48E-12	2,57E-11	PLP2	proteolipid protein 2 [Source:HGNC Symbol;Acc:HGNC:9087]
-0,443455804	4,82E-06	2,68E-05	MAP1LC3A	microtubule associated protein 1 light chain 3 alpha [Source:HGNC Symbol;Acc:HGNC:6838]
-0,44345252	2,96E-09	2,34E-08	TENM3	teneurin transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:29944]
-0,44334829	5,34E-06	2,95E-05	BAK1	BCL2 antagonist/killer 1 [Source:HGNC Symbol;Acc:HGNC:949]
-0,443271645	2,26E-07	1,48E-06	TAF13	TATA-box binding protein associated factor 13 [Source:HGNC Symbol;Acc:HGNC:11546]
-0,442920731	0,001513369	0,005512095	MIPEP	mitochondrial intermediate peptidase [Source:HGNC Symbol;Acc:HGNC:7104]
-0,442307653	0,009654988	0,028790184	IFITM2	interferon induced transmembrane protein 2 [Source:HGNC Symbol;Acc:HGNC:5413]
-0,442299265	7,52E-17	1,03E-15	IL6ST	interleukin 6 signal transducer [Source:HGNC Symbol;Acc:HGNC:6021]
-0,442121383	1,33E-11	1,28E-10	MBNL1	muscleblind like splicing regulator 1 [Source:HGNC Symbol;Acc:HGNC:6923]
-0,442001328	0,001430773	0,005237801	CDK5R1	cyclin dependent kinase 5 regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:1775]
-0,441994889	1,90E-08	1,39E-07	ANKRD40	ankyrin repeat domain 40 [Source:HGNC Symbol;Acc:HGNC:28233]
-0,441926574	3,86E-06	2,17E-05	HCCS	holocytochrome c synthase [Source:HGNC Symbol;Acc:HGNC:4837]
-0,441921964	7,38E-09	5,63E-08	OTUD4	OTU deubiquitinase 4 [Source:HGNC Symbol;Acc:HGNC:24949]
-0,441827547	0,001360989	0,005004215	SLC38A3	solute carrier family 38 member 3 [Source:HGNC Symbol;Acc:HGNC:18044]
-0,441650193	2,08E-06	1,22E-05	SNAPC4	small nuclear RNA activating complex polypeptide 4 [Source:HGNC Symbol;Acc:HGNC:11137]
-0,440941959	0,001679631	0,00604169	MRE11	MRE11 homolog, double strand break repair nuclease [Source:HGNC Symbol;Acc:HGNC:7230]
-0,440639097	0,001359999	0,005002301	CDK20	cyclin dependent kinase 20 [Source:HGNC Symbol;Acc:HGNC:21420]
-0,440173257	1,08E-15	1,37E-14	IPO9	importin 9 [Source:HGNC Symbol;Acc:HGNC:19425]
-0,440052457	0,00513004	0,016512451	SCML1	Scm polycomb group protein like 1 [Source:HGNC Symbol;Acc:HGNC:10580]
-0,439549291	3,97E-08	2,82E-07	POLE3	DNA polymerase epsilon 3, accessory subunit [Source:HGNC Symbol;Acc:HGNC:13546]
-0,439211178	1,71E-18	2,57E-17	RIC8A	RIC8 guanine nucleotide exchange factor A [Source:HGNC Symbol;Acc:HGNC:29550]
-0,438883091	0,000138581	0,000616955	TIMM21	translocase of inner mitochondrial membrane 21 [Source:HGNC Symbol;Acc:HGNC:25010]
-0,4388083	1,29E-06	7,78E-06	CLEC16A	C-type lectin domain containing 16A [Source:HGNC Symbol;Acc:HGNC:29013]
-0,438765707	0,003859623	0,012803392	BIN3	bridging integrator 3 [Source:HGNC Symbol;Acc:HGNC:1054]
-0,438660657	0,000790405	0,00306343	GNAZ	G protein subunit alpha z [Source:HGNC Symbol;Acc:HGNC:4395]
-0,438519252	9,30E-05	0,000428954	FAM19A5	family with sequence similarity 19 member A5, C-C motif chemokine like [Source:HGNC Symbol;Acc:HGNC:21592]

-0,438364515	8,87E-15	1,07E-13	<i>RAP1B</i>	RAP1B, member of RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9857]
-0,438085425	0,000703009	0,002751633	<i>NOM1</i>	nucleolar protein with MIF4G domain 1 [Source:HGNC Symbol;Acc:HGNC:13244]
-0,437371406	2,55E-05	0,000128645	<i>SLC5A6</i>	solute carrier family 5 member 6 [Source:HGNC Symbol;Acc:HGNC:11041]
-0,437366743	0,000131755	0,000590494	<i>CRY1</i>	cryptochrome circadian regulator 1 [Source:HGNC Symbol;Acc:HGNC:2384]
-0,437156384	4,93E-12	4,93E-11	<i>ZDHHC7</i>	zinc finger DHHC-type containing 7 [Source:HGNC Symbol;Acc:HGNC:18459]
-0,437113416	3,17E-08	2,28E-07	<i>NEK7</i>	NIMA related kinase 7 [Source:HGNC Symbol;Acc:HGNC:13386]
-0,437003393	0,018094879	0,049632397	<i>SH3D21</i>	SH3 domain containing 21 [Source:HGNC Symbol;Acc:HGNC:26236]
-0,436951029	1,03E-07	6,99E-07	<i>ARPC5L</i>	actin related protein 2/3 complex subunit 5 like [Source:HGNC Symbol;Acc:HGNC:23366]
-0,436468015	0,000375314	0,001542102	<i>ANKS3</i>	ankyrin repeat and sterile alpha motif domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29422]
-0,436467495	2,57E-05	0,000129429	<i>ORC3</i>	origin recognition complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:8489]
-0,435978329	1,92E-13	2,15E-12	<i>TMEM43</i>	transmembrane protein 43 [Source:HGNC Symbol;Acc:HGNC:28472]
-0,435771195	0,00102532	0,003868824	<i>GAS7</i>	growth arrest specific 7 [Source:HGNC Symbol;Acc:HGNC:4169]
-0,435733742	0,002278901	0,007982737	<i>PDF</i>	peptide deformylase, mitochondrial [Source:HGNC Symbol;Acc:HGNC:30012]
-0,435591667	6,54E-20	1,05E-18	<i>RBMX</i>	RNA binding motif protein X-linked [Source:HGNC Symbol;Acc:HGNC:9910]
-0,435418873	2,26E-08	1,64E-07	<i>SMC5</i>	structural maintenance of chromosomes 5 [Source:HGNC Symbol;Acc:HGNC:20465]
-0,435323108	0,001143334	0,004275057	<i>DBR1</i>	debranching RNA lariats 1 [Source:HGNC Symbol;Acc:HGNC:15594]
-0,435264002	1,12E-06	6,76E-06	<i>SMIM12</i>	small integral membrane protein 12 [Source:HGNC Symbol;Acc:HGNC:25154]
-0,434873795	8,61E-24	1,64E-22	<i>TTYH3</i>	tweety family member 3 [Source:HGNC Symbol;Acc:HGNC:22222]
-0,434610601	4,19E-05	0,000204707	<i>ANKRD27</i>	ankyrin repeat domain 27 [Source:HGNC Symbol;Acc:HGNC:25310]
-0,434451441	1,44E-18	2,16E-17	<i>PTPN11</i>	protein tyrosine phosphatase, non-receptor type 11 [Source:HGNC Symbol;Acc:HGNC:9644]
-0,434137212	0,000148246	0,00065607	<i>SLC38A5</i>	solute carrier family 38 member 5 [Source:HGNC Symbol;Acc:HGNC:18070]
-0,433841059	0,004510346	0,014735317	<i>PRKDC</i>	protein kinase, DNA-activated, catalytic subunit [Source:HGNC Symbol;Acc:HGNC:9413]
-0,4337919	0,016271331	0,045368024	<i>FRMPD3</i>	FERM and PDZ domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29382]
-0,433742898	0,005470705	0,017492914	<i>TIMM23B</i>	translocase of inner mitochondrial membrane 23 homolog B [Source:HGNC Symbol;Acc:HGNC:23581]
-0,433452494	1,05E-05	5,56E-05	<i>EIF2AK3</i>	eukaryotic translation initiation factor 2 alpha kinase 3 [Source:HGNC Symbol;Acc:HGNC:3255]
-0,43342389	0,007388224	0,022772535	<i>SFXN4</i>	sideroflexin 4 [Source:HGNC Symbol;Acc:HGNC:16088]
-0,433014802	0,008195274	0,024966639	<i>GTF2H2</i>	general transcription factor IIH subunit 2 [Source:HGNC Symbol;Acc:HGNC:4656]
-0,432797333	2,40E-10	2,09E-09	<i>ATL3</i>	atlastin GTPase 3 [Source:HGNC Symbol;Acc:HGNC:24526]
-0,432254077	5,10E-08	3,59E-07	<i>MCMBP</i>	minichromosome maintenance complex binding protein [Source:HGNC Symbol;Acc:HGNC:25782]
-0,431738161	1,19E-07	8,01E-07	<i>GCNT1</i>	glucosaminyl (N-acetyl) transferase 1, core 2 [Source:HGNC Symbol;Acc:HGNC:4203]
-0,431589237	3,18E-17	4,47E-16	<i>BCAR1</i>	BCAR1, Cas family scaffold protein [Source:HGNC Symbol;Acc:HGNC:971]

-0,4315698	2,81E-14	3,31E-13	<i>DNAJC10</i>	DnaJ heat shock protein family (Hsp40) member C10 [Source:HGNC Symbol;Acc:HGNC:24637]
-0,431389427	6,19E-07	3,86E-06	<i>GORASP1</i>	golgi reassembly stacking protein 1 [Source:HGNC Symbol;Acc:HGNC:16769]
-0,431126892	3,97E-10	3,39E-09	<i>NFE2L2</i>	nuclear factor, erythroid 2 like 2 [Source:HGNC Symbol;Acc:HGNC:7782]
-0,430984227	0,002975608	0,010149577	<i>C2orf69</i>	chromosome 2 open reading frame 69 [Source:HGNC Symbol;Acc:HGNC:26799]
-0,430815711	0,005008766	0,01617435	<i>BORCS8</i>	BLOC-1 related complex subunit 8 [Source:HGNC Symbol;Acc:HGNC:37247]
-0,430560787	0,000111298	0,000504991	<i>HEATR5A</i>	HEAT repeat containing 5A [Source:HGNC Symbol;Acc:HGNC:20276]
-0,43038472	0,000474033	0,001913287	<i>HAUS5</i>	HAUS augmin like complex subunit 5 [Source:HGNC Symbol;Acc:HGNC:29130]
-0,430331318	0,000105439	0,000480654	<i>ATR</i>	ATR serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:882]
-0,4299942	0,00080976	0,003130799	<i>PPFIA2</i>	PTPRF interacting protein alpha 2 [Source:HGNC Symbol;Acc:HGNC:9246]
-0,429959672	4,14E-05	0,000202577	<i>MAP3K6</i>	mitogen-activated protein kinase kinase kinase 6 [Source:HGNC Symbol;Acc:HGNC:6858]
-0,429338992	7,69E-09	5,86E-08	<i>GFPT1</i>	glutamine--fructose-6-phosphate transaminase 1 [Source:HGNC Symbol;Acc:HGNC:4241]
-0,429314996	1,72E-14	2,05E-13	<i>NUTF2</i>	nuclear transport factor 2 [Source:HGNC Symbol;Acc:HGNC:13722]
-0,429294788	0,001046067	0,003940214	<i>RIOK1</i>	RIO kinase 1 [Source:HGNC Symbol;Acc:HGNC:18656]
-0,429111464	3,34E-06	1,89E-05	<i>METTL3</i>	methyltransferase like 3 [Source:HGNC Symbol;Acc:HGNC:17563]
-0,428713592	3,42E-12	3,47E-11	<i>RBM12</i>	RNA binding motif protein 12 [Source:HGNC Symbol;Acc:HGNC:9898]
-0,428232777	0,000660157	0,002598054	<i>RPL26</i>	ribosomal protein L26 [Source:HGNC Symbol;Acc:HGNC:10327]
-0,42819595	1,56E-05	8,03E-05	<i>SOWAHC</i>	sosondowah ankyrin repeat domain family member C [Source:HGNC Symbol;Acc:HGNC:26149]
-0,428115094	0,003255136	0,010987852	<i>WASF3</i>	WAS protein family member 3 [Source:HGNC Symbol;Acc:HGNC:12734]
-0,428017028	3,69E-08	2,63E-07	<i>NOP58</i>	NOP58 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:29926]
-0,427718637	6,54E-14	7,53E-13	<i>CLPTM1L</i>	CLPTM1 like [Source:HGNC Symbol;Acc:HGNC:24308]
-0,427589391	0,003529781	0,01182035	<i>TRIT1</i>	tRNA isopentenyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:20286]
-0,42722836	0,001051505	0,003958389	<i>ZNF783</i>	zinc finger family member 783 [Source:HGNC Symbol;Acc:HGNC:27222]
-0,426973411	9,73E-09	7,34E-08	<i>TMEM9B</i>	TMEM9 domain family member B [Source:HGNC Symbol;Acc:HGNC:1168]
-0,426574078	5,36E-05	0,000257351	<i>GNPNAT1</i>	glucosamine-phosphate N-acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:19980]
-0,426312599	3,37E-09	2,65E-08	<i>CELSR1</i>	cadherin EGF LAG seven-pass G-type receptor 1 [Source:HGNC Symbol;Acc:HGNC:1850]
-0,426075168	4,64E-10	3,93E-09	<i>GLIS3</i>	GLIS family zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:28510]
-0,425796698	2,71E-11	2,55E-10	<i>SRSF10</i>	serine and arginine rich splicing factor 10 [Source:HGNC Symbol;Acc:HGNC:16713]
-0,425677576	1,06E-13	1,20E-12	<i>PRDX3</i>	peroxiredoxin 3 [Source:HGNC Symbol;Acc:HGNC:9354]
-0,425593376	2,05E-08	1,50E-07	<i>NUS1</i>	NUS1, dehydrololichyl diphosphate synthase subunit [Source:HGNC Symbol;Acc:HGNC:21042]
-0,42414998	3,23E-07	2,08E-06	<i>UBTD2</i>	ubiquitin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24463]
-0,424116772	0,001183386	0,004402272	<i>C19orf47</i>	chromosome 19 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:26723]
-0,424078828	1,13E-05	5,94E-05	<i>GEMIN5</i>	gem nuclear organelle associated protein 5 [Source:HGNC Symbol;Acc:HGNC:20043]

-0,423734217	0,012618141	0,0363899	ZNF473	zinc finger protein 473 [Source:HGNC Symbol;Acc:HGNC:23239]
-0,423234941	6,80E-13	7,36E-12	SORBS3	sorbin and SH3 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:30907]
-0,423208834	1,84E-05	9,42E-05	LRRC40	leucine rich repeat containing 40 [Source:HGNC Symbol;Acc:HGNC:26004]
-0,423080483	0,008891341	0,026821911	MMP19	matrix metalloproteinase 19 [Source:HGNC Symbol;Acc:HGNC:7165]
-0,422719958	1,50E-05	7,78E-05	TTC7A	tetratricopeptide repeat domain 7A [Source:HGNC Symbol;Acc:HGNC:19750]
-0,422130853	1,25E-07	8,44E-07	MAPKBP1	mitogen-activated protein kinase binding protein 1 [Source:HGNC Symbol;Acc:HGNC:29536]
-0,421809727	5,94E-15	7,24E-14	NARS	asparaginyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:7643]
-0,421558846	1,08E-06	6,56E-06	SNRPF	small nuclear ribonucleoprotein polypeptide F [Source:HGNC Symbol;Acc:HGNC:11162]
-0,421396617	0,000100156	0,000458726	TWISTNB	TWIST neighbor [Source:HGNC Symbol;Acc:HGNC:18027]
-0,421334979	0,000565608	0,002246457	EIF2B3	eukaryotic translation initiation factor 2B subunit gamma [Source:HGNC Symbol;Acc:HGNC:3259]
-0,42123324	2,35E-06	1,36E-05	USP38	ubiquitin specific peptidase 38 [Source:HGNC Symbol;Acc:HGNC:20067]
-0,420918099	0,002851532	0,009768196	NARS2	asparaginyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:26274]
-0,420811462	0,009454782	0,028288544	TLCD2	TLC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:33522]
-0,420730487	9,28E-11	8,30E-10	NOMO2	NODAL modulator 2 [Source:HGNC Symbol;Acc:HGNC:22652]
-0,420562877	1,59E-06	9,47E-06	C1GALT1	core 1 synthase, glycoprotein-N-acetylglucosamine 3-beta-galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:24337]
-0,420511624	6,21E-09	4,77E-08	POGK	pogo transposable element derived with KRAB domain [Source:HGNC Symbol;Acc:HGNC:18800]
-0,420375995	2,03E-05	0,000103315	SPHK1	sphingosine kinase 1 [Source:HGNC Symbol;Acc:HGNC:11240]
-0,420331919	1,39E-07	9,33E-07	MAP2K3	mitogen-activated protein kinase kinase 3 [Source:HGNC Symbol;Acc:HGNC:6843]
-0,420290179	0,003355734	0,011297948	TOMM40L	translocase of outer mitochondrial membrane 40 like [Source:HGNC Symbol;Acc:HGNC:25756]
-0,419691225	0,000657602	0,002589573	TENT4B	terminal nucleotidyltransferase 4B [Source:HGNC Symbol;Acc:HGNC:30758]
-0,419687595	0,015165913	0,042585692	SOD3	superoxide dismutase 3 [Source:HGNC Symbol;Acc:HGNC:11181]
-0,419643654	1,26E-06	7,61E-06	C18orf25	chromosome 18 open reading frame 25 [Source:HGNC Symbol;Acc:HGNC:28172]
-0,419539388	9,23E-08	6,33E-07	WDR47	WD repeat domain 47 [Source:HGNC Symbol;Acc:HGNC:29141]
-0,41945767	7,66E-07	4,72E-06	SLC52A2	solute carrier family 52 member 2 [Source:HGNC Symbol;Acc:HGNC:30224]
-0,419255979	2,33E-08	1,69E-07	TMEM33	transmembrane protein 33 [Source:HGNC Symbol;Acc:HGNC:25541]
-0,419003613	5,43E-06	3,00E-05	UTP18	UTP18, small subunit processome component [Source:HGNC Symbol;Acc:HGNC:24274]
-0,418916648	6,93E-06	3,78E-05	TONSL	tonsoku like, DNA repair protein [Source:HGNC Symbol;Acc:HGNC:7801]
-0,418913479	1,00E-07	6,83E-07	DAXX	death domain associated protein [Source:HGNC Symbol;Acc:HGNC:2681]
-0,418440703	3,71E-10	3,17E-09	SYNGR2	synaptogyrin 2 [Source:HGNC Symbol;Acc:HGNC:11499]
-0,418352017	1,88E-12	1,96E-11	PPP1R12A	protein phosphatase 1 regulatory subunit 12A [Source:HGNC Symbol;Acc:HGNC:7618]
-0,41824177	2,17E-13	2,43E-12	SNN	stannin [Source:HGNC Symbol;Acc:HGNC:11149]

-0,418219988	0,003097171	0,010521822	ZIK1	zinc finger protein interacting with K protein 1 [Source:HGNC Symbol;Acc:HGNC:33104]
-0,418011276	2,23E-10	1,95E-09	KPNA3	karyopherin subunit alpha 3 [Source:HGNC Symbol;Acc:HGNC:6396]
-0,417891118	2,43E-11	2,30E-10	CREB3L1	cAMP responsive element binding protein 3 like 1 [Source:HGNC Symbol;Acc:HGNC:18856]
-0,417751562	1,54E-07	1,02E-06	MSH6	mutS homolog 6 [Source:HGNC Symbol;Acc:HGNC:7329]
-0,41751453	3,04E-16	3,99E-15	PTGFRN	prostaglandin F2 receptor inhibitor [Source:HGNC Symbol;Acc:HGNC:9601]
-0,417480778	0,006043367	0,019134864	NFKBIE	NFKB inhibitor epsilon [Source:HGNC Symbol;Acc:HGNC:7799]
-0,4174237	2,03E-12	2,11E-11	CEP170B	centrosomal protein 170B [Source:HGNC Symbol;Acc:HGNC:20362]
-0,417330303	1,58E-16	2,12E-15	KLF6	Kruppel like factor 6 [Source:HGNC Symbol;Acc:HGNC:2235]
-0,417218714	7,44E-05	0,000347841	CASP2	caspase 2 [Source:HGNC Symbol;Acc:HGNC:1503]
-0,416735381	0,0136965	0,039070157	WDR89	WD repeat domain 89 [Source:HGNC Symbol;Acc:HGNC:20489]
-0,416363241	0,001981749	0,007029395	YRDC	yrdC N6-threonylcarbamoyltransferase domain containing [Source:HGNC Symbol;Acc:HGNC:28905]
-0,416278258	0,002040354	0,007224068	MAN1C1	mannosidase alpha class 1C member 1 [Source:HGNC Symbol;Acc:HGNC:19080]
-0,41613402	9,73E-06	5,18E-05	UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats [Source:HGNC Symbol;Acc:HGNC:15947]
-0,41580237	0,001867377	0,006655338	PDLIM3	PDZ and LIM domain 3 [Source:HGNC Symbol;Acc:HGNC:20767]
-0,41562783	5,83E-11	5,30E-10	LEPROT	leptin receptor overlapping transcript [Source:HGNC Symbol;Acc:HGNC:29477]
-0,415547672	0,000223624	0,000955236	ZNF319	zinc finger protein 319 [Source:HGNC Symbol;Acc:HGNC:13644]
-0,415297157	2,38E-08	1,73E-07	SINHCAF	SIN3-HDAC complex associated factor [Source:HGNC Symbol;Acc:HGNC:30702]
-0,415273891	6,68E-10	5,58E-09	C6orf48	chromosome 6 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:19078]
-0,415229801	0,006305497	0,019880499	DHODH	dihydroorotate dehydrogenase (quinone) [Source:HGNC Symbol;Acc:HGNC:2867]
-0,415098632	1,80E-06	1,06E-05	EIF4EBP1	eukaryotic translation initiation factor 4E binding protein 1 [Source:HGNC Symbol;Acc:HGNC:3288]
-0,415057789	0,00028458	0,001192003	MAP3K9	mitogen-activated protein kinase kinase kinase 9 [Source:HGNC Symbol;Acc:HGNC:6861]
-0,414778824	3,71E-08	2,65E-07	TMED5	transmembrane p24 trafficking protein 5 [Source:HGNC Symbol;Acc:HGNC:24251]
-0,41471863	7,97E-05	0,000371441	RABL2B	RAB, member of RAS oncogene family like 2B [Source:HGNC Symbol;Acc:HGNC:9800]
-0,414448961	2,88E-07	1,86E-06	TANK	TRAF family member associated NFKB activator [Source:HGNC Symbol;Acc:HGNC:11562]
-0,413963292	3,46E-12	3,51E-11	PDHB	pyruvate dehydrogenase E1 beta subunit [Source:HGNC Symbol;Acc:HGNC:8808]
-0,413903002	2,52E-07	1,64E-06	DTYMK	deoxythymidylate kinase [Source:HGNC Symbol;Acc:HGNC:3061]
-0,413794517	3,73E-09	2,92E-08	CTSC	cathepsin C [Source:HGNC Symbol;Acc:HGNC:2528]
-0,413782631	1,63E-10	1,43E-09	DMWD	DM1 locus, WD repeat containing [Source:HGNC Symbol;Acc:HGNC:2936]
-0,413743394	1,44E-08	1,07E-07	CAPN15	calpain 15 [Source:HGNC Symbol;Acc:HGNC:11182]
-0,413732844	0,003249376	0,010973711	MRPL12	mitochondrial ribosomal protein L12 [Source:HGNC Symbol;Acc:HGNC:10378]
-0,413600384	0,015946754	0,044578322	GRK4	G protein-coupled receptor kinase 4 [Source:HGNC Symbol;Acc:HGNC:4543]
-0,413509296	1,27E-05	6,68E-05	UGGT2	UDP-glucose glycoprotein glucosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:15664]
-0,413321167	1,47E-09	1,19E-08	ZBTB18	zinc finger and BTB domain containing 18 [Source:HGNC Symbol;Acc:HGNC:13030]

-0,41303696	9,39E-10	7,74E-09	MAP4K5	mitogen-activated protein kinase kinase kinase 5 [Source:HGNC Symbol;Acc:HGNC:6867]
-0,412958719	0,002760451	0,009472911	BMPR1B	bone morphogenetic protein receptor type 1B [Source:HGNC Symbol;Acc:HGNC:1077]
-0,412726601	0,001469931	0,005366977	ITGAE	integrin subunit alpha E [Source:HGNC Symbol;Acc:HGNC:6147]
-0,412423181	8,94E-21	1,49E-19	EIF4G1	eukaryotic translation initiation factor 4 gamma 1 [Source:HGNC Symbol;Acc:HGNC:3296]
-0,412386191	1,88E-07	1,24E-06	NR2E1	nuclear receptor subfamily 2 group E member 1 [Source:HGNC Symbol;Acc:HGNC:7973]
-0,412231855	0,000245093	0,001039621	C12orf4	chromosome 12 open reading frame 4 [Source:HGNC Symbol;Acc:HGNC:1184]
-0,412112941	0,016916546	0,046870716	FAM216A	family with sequence similarity 216 member A [Source:HGNC Symbol;Acc:HGNC:30180]
-0,412041927	1,17E-10	1,04E-09	NUP188	nucleoporin 188 [Source:HGNC Symbol;Acc:HGNC:17859]
-0,412011361	0,001556471	0,005645773	EBF4	early B cell factor 4 [Source:HGNC Symbol;Acc:HGNC:29278]
-0,41186418	0,00220675	0,007758006	RNF138	ring finger protein 138 [Source:HGNC Symbol;Acc:HGNC:17765]
-0,411602594	0,002257608	0,007916722	BUD13	BUD13 homolog [Source:HGNC Symbol;Acc:HGNC:28199]
-0,411253492	1,35E-07	9,07E-07	GOSR2	golgi SNAP receptor complex member 2 [Source:HGNC Symbol;Acc:HGNC:4431]
-0,411198482	2,45E-05	0,000123466	LRRC42	leucine rich repeat containing 42 [Source:HGNC Symbol;Acc:HGNC:28792]
-0,411102029	6,94E-12	6,82E-11	EIF2S2	eukaryotic translation initiation factor 2 subunit beta [Source:HGNC Symbol;Acc:HGNC:3266]
-0,411010761	3,83E-05	0,000187836	NLGN1	neuroligin 1 [Source:HGNC Symbol;Acc:HGNC:14291]
-0,410724897	1,88E-08	1,38E-07	CLTB	clathrin light chain B [Source:HGNC Symbol;Acc:HGNC:2091]
-0,410616817	6,02E-05	0,000286774	NFKBIB	NFKB inhibitor beta [Source:HGNC Symbol;Acc:HGNC:7798]
-0,410374483	4,73E-19	7,31E-18	SLC38A2	solute carrier family 38 member 2 [Source:HGNC Symbol;Acc:HGNC:13448]
-0,410239587	5,26E-14	6,08E-13	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2 [Source:HGNC Symbol;Acc:HGNC:6887]
-0,410219837	0,012829346	0,03688936	S1PR2	sphingosine-1-phosphate receptor 2 [Source:HGNC Symbol;Acc:HGNC:3169]
-0,409865141	0,000253707	0,001073114	NFYB	nuclear transcription factor Y subunit beta [Source:HGNC Symbol;Acc:HGNC:7805]
-0,409706603	0,00126762	0,004690073	CCNQ	cyclin Q [Source:HGNC Symbol;Acc:HGNC:28434]
-0,40913503	0,000494338	0,001985741	SH3RF3	SH3 domain containing ring finger 3 [Source:HGNC Symbol;Acc:HGNC:24699]
-0,409039491	0,003283851	0,011077076	TNFSF4	TNF superfamily member 4 [Source:HGNC Symbol;Acc:HGNC:11934]
-0,408842157	0,002429271	0,008466674	FANCG	FA complementation group G [Source:HGNC Symbol;Acc:HGNC:3588]
-0,408789365	1,57E-08	1,16E-07	KIF1BP	KIF1 binding protein [Source:HGNC Symbol;Acc:HGNC:23419]
-0,408698419	0,005547168	0,017708231	FBXW9	F-box and WD repeat domain containing 9 [Source:HGNC Symbol;Acc:HGNC:28136]
-0,408594456	2,64E-15	3,29E-14	TPD52L2	tumor protein D52 like 2 [Source:HGNC Symbol;Acc:HGNC:12007]
-0,408499839	2,53E-21	4,34E-20	TPM3	tropomyosin 3 [Source:HGNC Symbol;Acc:HGNC:12012]
-0,408340882	0,016664642	0,04629836	C8orf58	chromosome 8 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:32233]
-0,408211713	7,12E-08	4,94E-07	WDR46	WD repeat domain 46 [Source:HGNC Symbol;Acc:HGNC:13923]
-0,407985078	6,74E-11	6,10E-10	MFS12	major facilitator superfamily domain containing 12 [Source:HGNC Symbol;Acc:HGNC:28299]

-0,407906817	2,52E-10	2,18E-09	ELAC2	elaC ribonuclease Z 2 [Source:HGNC Symbol;Acc:HGNC:14198]
-0,40782773	2,26E-14	2,67E-13	UBE3C	ubiquitin protein ligase E3C [Source:HGNC Symbol;Acc:HGNC:16803]
-0,40755659	3,06E-06	1,74E-05	SPINDOC	spindlin interactor and repressor of chromatin binding [Source:HGNC Symbol;Acc:HGNC:25115]
-0,406808453	6,28E-24	1,20E-22	ANXA2	annexin A2 [Source:HGNC Symbol;Acc:HGNC:537]
-0,40675916	3,65E-08	2,61E-07	GOPC	golgi associated PDZ and coiled-coil motif containing [Source:HGNC Symbol;Acc:HGNC:17643]
-0,406470702	6,37E-10	5,33E-09	U2SURP	U2 snRNP associated SURP domain containing [Source:HGNC Symbol;Acc:HGNC:30855]
-0,406356302	3,76E-19	5,85E-18	ARF4	ADP ribosylation factor 4 [Source:HGNC Symbol;Acc:HGNC:655]
-0,406182291	0,000240341	0,001020806	ATG101	autophagy related 101 [Source:HGNC Symbol;Acc:HGNC:25679]
-0,406085666	0,005397566	0,017293243	WDR90	WD repeat domain 90 [Source:HGNC Symbol;Acc:HGNC:26960]
-0,405979167	2,42E-10	2,10E-09	AGAP3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3 [Source:HGNC Symbol;Acc:HGNC:16923]
-0,405575665	4,16E-10	3,54E-09	GNAQ	G protein subunit alpha q [Source:HGNC Symbol;Acc:HGNC:4390]
-0,405243513	1,30E-18	1,96E-17	TMEM123	transmembrane protein 123 [Source:HGNC Symbol;Acc:HGNC:30138]
-0,405161176	1,07E-18	1,62E-17	SF1	splicing factor 1 [Source:HGNC Symbol;Acc:HGNC:12950]
-0,405139268	1,14E-13	1,30E-12	STK25	serine/threonine kinase 25 [Source:HGNC Symbol;Acc:HGNC:11404]
-0,404987755	9,73E-07	5,93E-06	PRKAB2	protein kinase AMP-activated non-catalytic subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:9379]
-0,404821245	3,73E-06	2,10E-05	GOLT1B	golgi transport 1B [Source:HGNC Symbol;Acc:HGNC:20175]
-0,404504297	9,29E-07	5,68E-06	WDR3	WD repeat domain 3 [Source:HGNC Symbol;Acc:HGNC:12755]
-0,404286951	0,00868914	0,026293691	GTDC1	glycosyltransferase like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20887]
-0,403928174	0,016588842	0,046147107	HAUS3	HAUS augmin like complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]
-0,40392544	1,45E-11	1,39E-10	HARS	histidyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:4816]
-0,403591219	2,42E-07	1,58E-06	CLDN11	claudin 11 [Source:HGNC Symbol;Acc:HGNC:8514]
-0,402857688	1,92E-07	1,27E-06	SEPT10	septin 10 [Source:HGNC Symbol;Acc:HGNC:14349]
-0,402806143	0,000161734	0,000711221	RAB30	RAB30, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9770]
-0,402728666	2,56E-12	2,64E-11	IPO7	importin 7 [Source:HGNC Symbol;Acc:HGNC:9852]
-0,402576357	3,37E-09	2,66E-08	RIPOR1	RHO family interacting cell polarization regulator 1 [Source:HGNC Symbol;Acc:HGNC:25836]
-0,401597698	4,89E-14	5,68E-13	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:HGNC:7044]
-0,401186601	0,008547751	0,025938647	RPUSD2	RNA pseudouridylyl synthase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24180]
-0,401150345	1,05E-11	1,02E-10	P3H1	prolyl 3-hydroxylase 1 [Source:HGNC Symbol;Acc:HGNC:19316]
-0,40101636	6,64E-14	7,63E-13	ILF2	interleukin enhancer binding factor 2 [Source:HGNC Symbol;Acc:HGNC:6037]
-0,400985316	6,51E-06	3,56E-05	ARMC6	armadillo repeat containing 6 [Source:HGNC Symbol;Acc:HGNC:25049]
-0,400864515	1,49E-06	8,86E-06	MICA	MHC class I polypeptide-related sequence A [Source:HGNC Symbol;Acc:HGNC:7090]
-0,400862803	3,48E-08	2,49E-07	TSR1	TSR1, ribosome maturation factor [Source:HGNC Symbol;Acc:HGNC:25542]

-0,40062121	1,08E-08	8,15E-08	DFFA	DNA fragmentation factor subunit alpha [Source:HGNC Symbol;Acc:HGNC:2772]
-0,40034408	5,05E-14	5,85E-13	VDAC1	voltage dependent anion channel 1 [Source:HGNC Symbol;Acc:HGNC:12669]
-0,400309785	9,87E-05	0,000452835	CCDC9	coiled-coil domain containing 9 [Source:HGNC Symbol;Acc:HGNC:24560]



Figure S4. GO biological process of cellular miRNA targets.

Table S2. miRNA Identified in astrocytes: cellular (group1), EV-enriched (group2) and Proteinase K RNase A/T1 treated EVs (group 3). A: significantly different between at least 2 groups (order from most abundant in cells). B: miRNA not significantly different between groups. Only miRNA represented in all samples with read count >5 are listed.

	p Value			Group1 :Cellular		Group 2: EV		Group 3: EV/ProteinaseK/ RNase A/T1	
A	1 vs 2	1 vs 3	2 vs 3	mean	SD	Mean	SD	Mean	SD
hsa-let-7a-5p	5,83E-09	1,22E-08	7,30E-01	529093,3	79765,6	139857,4	38543,4	147506,1	16764,8
hsa-let-7b-5p	1,21E-02	3,17E-02	6,63E-01	472859,8	126401,0	212171,8	46930,1	241446,2	34655,4
hsa-miR-125b-5p	1,45E-06	1,73E-08	5,80E-02	319087,6	14680,1	94938,8	11305,9	64977,1	39435,5
hsa-let-7f-5p	3,06E-07	6,50E-08	4,95E-01	264282,2	49473,9	71993,5	28249,3	63320,4	7203,6
hsa-miR-125a-5p	1,21E-04	4,86E-06	1,83E-01	156748,4	40381,4	42697,6	6905,0	29103,6	17366,3
hsa-miR-21-5p	4,29E-02	6,01E-02	8,70E-01	124441,8	48925,7	68901,0	31859,7	72126,8	19283,1
hsa-let-7i-5p	2,63E-02	6,53E-04	1,33E-01	111401,0	13359,8	66078,8	23112,2	46871,5	16231,5
hsa-miR-9-5p	2,05E-03	9,43E-06	4,29E-02	75573,1	25632,3	39619,9	8592,5	26560,8	7953,5
hsa-let-7c-5p	1,41E-04	8,59E-05	8,43E-01	69692,5	27534,0	24635,8	5157,6	23533,6	3101,8
hsa-let-7e-5p	1,42E-04	1,34E-05	3,34E-01	64413,8	10642,7	19035,4	5293,4	14631,6	4079,7
hsa-miR-16-5p	2,10E-03	9,51E-03	5,34E-01	59081,0	9385,1	27564,5	11780,5	31688,8	5533,6
hsa-miR-30a-5p	2,57E-02	1,33E-02	7,69E-01	54005,7	21507,9	30566,2	9554,5	28467,3	11094,4
hsa-miR-221-3p	3,12E-01	4,54E-05	6,31E-04	38967,4	9867,9	32565,1	1863,6	16469,9	1647,0
hsa-miR-29a-3p	9,44E-01	1,52E-03	1,80E-03	27723,2	6760,4	27171,2	6834,6	9860,5	6266,4
hsa-miR-127-3p	4,78E-01	7,10E-03	3,51E-02	25280,3	6237,8	20770,9	1214,4	11263,9	5171,6
hsa-miR-5701	1,26E-03	1,03E-05	4,21E-02	24280,6	11388,8	5983,5	4906,1	2657,1	960,8
hsa-miR-99b-5p	3,60E-03	4,76E-04	4,21E-01	20894,3	4077,9	10705,0	2112,1	9030,7	3764,8
hsa-miR-191-5p	3,81E-02	1,50E-03	1,74E-01	19803,5	4049,2	11828,0	771,8	8503,3	4741,3
hsa-miR-31-5p	1,14E-01	6,65E-03	1,89E-01	19435,5	6663,5	11579,1	695,4	7556,1	5367,7
hsa-miR-432-5p	5,03E-02	3,76E-02	8,88E-01	18655,3	4168,3	10851,8	2684,8	10452,5	1212,2
hsa-miR-181a-5p	5,70E-02	7,21E-05	1,01E-02	18287,2	1595,9	12258,9	642,7	7009,5	2056,9
hsa-miR-26a-5p	4,16E-03	1,67E-03	7,08E-01	18210,9	5627,8	9024,0	2513,7	8292,4	2714,5
hsa-miR-10a-5p	5,25E-03	6,48E-05	8,66E-02	14036,5	4479,4	6903,2	1719,8	4567,8	1295,2
hsa-miR-34a-5p	6,21E-02	8,50E-05	8,73E-03	14017,5	4038,1	7588,1	616,6	3067,5	2179,7
hsa-miR-30d-5p	2,04E-03	3,01E-04	4,38E-01	12473,2	596,6	5033,3	2021,5	4092,6	2103,3
hsa-miR-151a-3p	1,32E-02	1,66E-02	9,22E-01	11823,7	2825,5	6597,2	2217,5	6739,2	1057,9
hsa-miR-409-3p	1,30E-01	8,38E-03	1,90E-01	11160,4	916,0	5990,6	871,8	3503,2	1113,7
hsa-miR-222-3p	2,55E-02	2,61E-03	3,33E-01	10942,3	1406,4	6227,5	2143,2	4934,5	1916,3
hsa-miR-27b-3p	3,56E-02	1,14E-01	5,61E-01	10782,0	970,9	5677,7	842,3	6720,4	3611,2
hsa-miR-103b	1,20E-01	1,28E-04	6,84E-03	10578,0	2875,0	7452,5	2397,0	3915,6	656,5
hsa-miR-103a-3p	1,13E-01	2,21E-04	1,22E-02	10515,6	2827,4	7346,5	2603,3	4064,0	591,1
hsa-let-7g-5p	2,32E-03	1,44E-03	8,36E-01	9579,6	1456,0	3019,6	372,8	2818,1	1059,7
hsa-miR-24-3p	1,84E-01	4,40E-03	8,62E-02	8299,5	1846,1	5844,5	1572,2	3692,0	1347,6
hsa-miR-99a-5p	5,14E-01	1,52E-02	3,39E-03	7256,5	1703,9	9036,5	2991,5	3023,3	774,1
hsa-miR-1248	6,95E-06	4,84E-08	6,54E-03	6444,3	4129,7	426,2	119,7	102,3	54,5
hsa-let-7d-5p	7,06E-02	9,57E-04	5,81E-02	5644,1	1107,1	2505,8	928,9	1062,5	802,1
hsa-miR-708-5p	1,88E-01	9,45E-03	1,47E-01	4905,9	1862,6	3006,7	947,6	1746,0	88,5
hsa-miR-206	7,40E-03	6,03E-01	2,32E-02	4433,0	1423,1	15834,4	10163,1	5544,3	1322,5
hsa-miR-320a-3p	2,51E-01	1,00E-02	1,16E-01	4043,8	195,3	2967,0	252,2	1925,5	478,5
hsa-miR-1291	2,48E-02	8,59E-04	1,38E-01	3965,5	2730,6	1428,3	864,4	746,4	430,7
hsa-miR-30e-5p	1,04E-02	3,07E-01	9,34E-02	3952,4	1608,1	1550,6	618,4	2789,4	881,0
hsa-miR-744-5p	3,26E-01	6,60E-03	5,66E-02	2936,8	563,1	2089,0	1083,7	1050,6	131,5
hsa-miR-128-3p	1,56E-02	1,67E-05	9,76E-03	2873,8	499,4	1607,3	245,9	851,3	282,5
hsa-miR-221-5p	3,01E-01	1,39E-02	1,08E-01	2873,2	609,1	1641,5	310,8	674,6	841,9
hsa-miR-29b-3p	7,60E-02	1,60E-02	4,29E-01	2836,7	2153,1	1002,4	576,4	638,5	399,5
hsa-miR-148b-3p	2,74E-03	1,35E-04	2,18E-01	2736,3	228,3	1089,2	277,6	767,1	458,7
hsa-miR-423-3p	5,72E-01	1,35E-02	4,66E-02	2730,1	140,2	2381,1	506,2	1440,1	539,3
hsa-miR-12136	2,21E-03	3,89E-03	8,00E-01	2674,0	799,1	13600,6	2087,0	12101,3	14566,1
hsa-miR-574-5p	4,22E-02	2,81E-02	8,30E-01	2536,9	493,5	765,6	518,9	678,3	577,3
hsa-miR-361-5p	7,71E-02	9,73E-04	6,02E-02	1955,3	319,9	1069,9	461,3	553,6	288,5
hsa-miR-149-5p	1,15E-01	3,17E-02	5,15E-01	1932,7	345,2	1147,1	225,2	928,9	132,7
hsa-miR-92b-5p	8,66E-01	3,12E-02	4,45E-02	1888,4	491,1	1779,5	273,6	843,6	291,9
hsa-miR-1246	8,35E-05	2,49E-03	1,51E-01	1836,4	581,3	12459,7	3800,9	6997,8	2801,1
hsa-miR-574-3p	1,76E-01	3,01E-02	3,27E-01	1806,8	837,4	672,1	47,5	328,6	428,5

hsa-miR-4791	4,42E-02	1,50E-06	1,10E-04	1744,0	297,1	752,0	411,1	103,0	65,5
hsa-miR-4497	2,45E-05	3,45E-06	3,18E-01	1486,1	1445,9	17683,5	4737,7	27691,6	11979,7
hsa-miR-182-5p	2,58E-02	9,29E-02	5,46E-01	1440,5	202,0	732,8	241,8	872,4	580,4
hsa-miR-4284	1,41E-01	3,28E-05	5,68E-04	1424,3	814,2	602,2	430,2	47,5	31,4
hsa-miR-106b-3p	4,54E-01	1,21E-02	6,08E-02	1389,9	346,6	1117,3	135,7	625,6	421,5
hsa-miR-197-3p	8,50E-02	9,59E-06	5,59E-04	935,3	183,6	513,7	131,4	125,1	14,7
hsa-miR-1275	2,87E-03	1,82E-04	1,85E-01	915,6	262,5	214,2	122,9	118,7	47,8
hsa-miR-183-5p	1,31E-01	4,49E-02	1,25E-03	904,3	168,4	636,8	156,3	1456,1	408,2
hsa-miR-532-5p	1,55E-01	7,28E-03	1,44E-01	789,5	125,3	465,0	134,5	259,5	262,8
hsa-miR-15b-5p	1,27E-02	7,47E-02	4,14E-01	757,4	40,3	214,0	145,8	316,0	377,9
hsa-miR-185-5p	1,35E-02	3,25E-03	4,96E-01	707,2	271,7	224,1	113,0	162,3	108,9
hsa-miR-130a-3p	3,35E-01	3,83E-02	2,22E-01	650,5	295,4	376,8	29,7	182,4	171,3
hsa-miR-19b-3p	7,51E-01	5,50E-04	2,68E-04	628,1	279,3	697,5	194,7	156,6	41,8
hsa-miR-769-5p	9,17E-01	5,34E-04	4,35E-04	600,0	163,4	630,9	438,6	82,3	101,9
hsa-miR-625-3p	9,57E-03	4,11E-01	1,52E-03	569,8	80,5	182,5	22,0	795,8	728,3
hsa-miR-151a-5p	5,18E-01	3,37E-02	1,15E-01	566,3	214,8	396,2	49,0	153,3	202,0
hsa-miR-296-3p	2,20E-01	2,50E-02	2,47E-01	425,4	29,4	237,1	173,6	126,2	179,8
hsa-miR-1180-3p	5,74E-01	2,47E-04	9,21E-04	409,4	41,8	335,7	48,4	76,9	58,9
hsa-miR-107	3,66E-01	3,90E-04	3,13E-03	403,2	183,9	287,1	70,8	78,7	18,5
hsa-miR-5585-3p	1,84E-01	1,20E-04	1,70E-03	376,4	82,1	866,4	46,1	8608,8	11229,4
hsa-miR-3195	3,08E-04	3,42E-05	2,99E-01	342,1	195,9	2659,3	705,8	4340,8	3783,2
hsa-miR-4485-3p	3,29E-02	2,15E-03	1,99E-01	335,0	210,3	1217,2	601,2	2554,6	3692,2
hsa-miR-760	3,88E-02	5,06E-02	9,53E-01	267,0	61,8	106,1	25,0	106,4	39,6
hsa-miR-25-5p	1,29E-02	1,47E-02	9,50E-01	253,5	88,4	83,2	69,9	80,2	49,4
hsa-miR-7704	6,39E-10	4,85E-11	4,96E-02	212,4	53,8	8732,5	2130,8	17263,6	6224,7
hsa-miR-4448	9,14E-01	4,65E-03	5,83E-03	187,7	29,8	175,6	144,2	17,4	6,2
hsa-miR-192-5p	5,64E-02	2,70E-02	6,43E-01	182,8	39,5	82,4	53,9	69,2	15,3
hsa-miR-339-3p	7,61E-01	9,72E-04	5,53E-04	147,5	21,7	175,6	88,0	11,5	5,4
hsa-miR-320b	3,78E-01	4,61E-02	2,33E-01	142,8	18,4	207,5	18,7	350,6	157,3
hsa-miR-4488	8,34E-08	7,06E-09	1,12E-01	126,9	44,7	3694,3	552,9	7084,3	5297,8
hsa-miR-10395-5p	2,58E-02	4,17E-01	5,53E-03	117,7	67,0	451,8	236,0	68,3	73,3
hsa-miR-320c	5,93E-02	1,47E-02	4,88E-01	90,7	44,5	217,7	50,6	299,5	56,7
hsa-miR-4516	1,78E-06	1,90E-07	1,55E-01	83,0	26,4	3167,3	102,0	6614,2	6458,7
hsa-miR-219a-2-3p	1,19E-02	9,17E-05	4,19E-02	79,2	37,6	243,6	15,1	593,8	345,5
hsa-miR-484	3,92E-01	1,28E-02	2,63E-03	73,3	7,3	119,5	102,1	11,5	5,4
hsa-miR-4508	1,71E-05	1,15E-05	8,10E-01	71,8	60,6	2086,3	377,8	2384,9	429,1
hsa-miR-122-5p	6,27E-06	3,03E-07	1,41E-01	68,6	4,8	565,8	197,9	962,9	235,3
hsa-miR-1304-3p	1,87E-01	6,78E-02	5,27E-03	66,4	30,4	118,4	32,0	28,5	19,4
hsa-miR-320d	2,80E-02	1,71E-03	2,07E-01	62,5	23,8	183,4	62,0	335,8	68,8
hsa-miR-122b-3p	7,43E-05	1,34E-06	6,79E-02	62,1	7,5	397,4	123,8	815,3	186,1
hsa-miR-3182	3,88E-03	2,75E-02	2,81E-01	58,1	49,5	1449,8	2038,1	541,5	843,3
hsa-miR-1307-5p	6,41E-02	1,01E-01	2,76E-03	51,5	24,3	156,6	71,3	17,4	6,2
hsa-miR-4492	6,94E-07	1,26E-06	7,02E-01	47,4	42,5	3135,9	1309,0	2561,7	518,3
hsa-miR-203a-3p	2,10E-03	1,25E-05	4,31E-03	35,5	26,2	942,3	173,7	17248,8	21195,2
hsa-miR-8485	2,13E-02	6,59E-03	5,44E-01	33,5	23,8	181,2	153,4	275,9	271,7
hsa-miR-219b-3p	3,46E-01	4,35E-02	2,32E-01	19,8	9,5	38,8	14,2	94,4	76,3
hsa-miR-196a-5p	7,10E-03	1,15E-04	8,24E-02	19,5	8,6	50,1	30,6	97,3	46,8
hsa-miR-219a-5p	1,10E-01	2,03E-02	3,69E-01	14,6	5,2	43,8	10,4	82,1	58,8
hsa-miR-203b-5p	3,68E-04	4,39E-06	5,23E-03	10,4	8,1	879,7	33,4	16387,7	20067,6
hsa-miR-205-5p	1,85E-04	2,22E-05	1,22E-01	7,2	7,9	1242,0	1463,1	5374,7	6033,5
hsa-miR-1269a	1,11E-01	6,22E-03	1,38E-01	5,2	1,4	19,8	12,3	69,9	54,4
miRNA not significantly different									
	p Value			Cellular		EV		EV/ProteinaseK/Rnase A/T1	
(b)	1 vs 2	1 vs 3	2 vs 3	mean	SD	mean	SD	mean	SD
hsa-miR-100-5p	6,40E-01	3,27E-01	1,54E-01	42245,5	21385,5	47892,0	4389,6	32398,2	6672,9
hsa-miR-92a-3p	2,79E-01	8,79E-01	2,20E-01	14085,7	371,8	11360,0	2628,0	14518,7	8103,1
hsa-miR-155-5p	1,85E-01	8,49E-02	6,62E-01	20070,4	5918,6	11339,5	5008,2	9422,3	4966,9
hsa-miR-143-3p	9,56E-01	8,88E-01	9,32E-01	8451,9	3773,9	8247,2	3319,3	7945,2	975,7
hsa-miR-93-5p	2,41E-01	2,02E-01	9,13E-01	8733,2	2112,3	7057,9	1197,3	6921,5	439,4
hsa-miR-382-5p	3,04E-01	5,15E-01	6,99E-01	7187,5	177,8	4891,3	480,1	5639,1	4319,3
hsa-miR-23b-3p	1,87E-01	5,58E-01	4,50E-01	7441,2	1788,8	3905,6	387,8	5624,8	3615,9

hsa-miR-23a-3p	8,33E-01	6,25E-01	7,80E-01	6942,6	1027,7	6248,3	902,5	5434,7	2752,6
hsa-miR-379-5p	6,86E-02	9,78E-02	8,54E-01	8810,9	1922,2	4027,4	2155,5	4346,7	545,9
hsa-miR-25-3p	1,40E-01	4,31E-01	4,78E-01	4944,9	1073,1	3731,8	349,6	4262,4	1820,7
hsa-miR-26b-5p	6,10E-02	6,78E-02	9,60E-01	7094,1	3075,3	4064,2	310,9	4121,8	2217,8
hsa-miR-486-5p	8,36E-01	2,50E-01	3,42E-01	2469,0	402,5	2678,9	704,3	3914,6	735,3
hsa-miR-342-3p	1,30E-01	7,38E-02	7,61E-01	6060,3	1468,5	4179,3	738,0	3887,9	1837,1
hsa-miR-1307-3p	7,29E-01	3,86E-01	5,99E-01	2915,4	345,9	3183,7	581,8	3647,7	2276,6
hsa-miR-654-3p	8,69E-01	9,85E-01	8,54E-01	3303,1	535,0	3076,7	1398,2	3324,2	2119,1
hsa-miR-10395-3p	6,06E-02	2,58E-01	4,22E-01	3985,4	2231,5	1817,4	1206,0	2508,8	1113,9
hsa-miR-181b-5p	9,63E-01	9,65E-02	1,05E-01	4113,9	67,6	4056,0	851,6	2437,1	1646,5
hsa-miR-92b-3p	1,38E-01	6,95E-02	7,13E-01	4031,7	162,6	2585,9	811,5	2328,8	1423,9
hsa-miR-328-3p	6,94E-01	7,05E-01	4,44E-01	1972,3	398,8	1662,7	1049,0	2328,0	1760,3
hsa-miR-370-3p	5,98E-01	5,25E-01	2,52E-01	2917,8	593,3	3821,4	1313,1	2098,8	2353,9
hsa-miR-28-3p	3,77E-01	5,17E-01	8,13E-01	2555,7	313,2	1924,1	336,2	2075,5	271,5
hsa-miR-146b-5p	8,15E-02	5,11E-01	2,62E-01	2368,6	601,5	1361,8	233,1	1935,2	452,0
hsa-miR-3184-3p	2,30E-01	7,56E-01	1,37E-01	1621,6	243,4	1156,0	164,1	1772,6	699,3
hsa-miR-423-5p	2,67E-01	7,76E-01	1,70E-01	1607,5	219,4	1171,1	70,2	1746,1	762,8
hsa-miR-181a-2-3p	6,97E-02	3,42E-01	3,52E-01	2605,0	1532,0	920,4	252,1	1538,0	787,6
hsa-miR-140-3p	1,20E-01	8,35E-01	1,76E-01	1593,2	10,6	977,3	230,2	1500,3	756,4
hsa-miR-30c-5p	2,35E-01	2,40E-01	9,93E-01	2607,3	1092,6	1455,4	358,5	1459,2	1294,7
hsa-miR-101-3p	4,70E-02	9,42E-01	4,14E-02	1389,6	787,4	573,5	386,8	1432,4	461,2
hsa-miR-148a-3p	1,79E-01	3,65E-01	3,08E-02	1130,3	119,6	801,4	60,9	1426,4	546,7
hsa-miR-22-3p	2,78E-01	3,01E-01	9,62E-01	2720,3	1356,7	1370,8	423,1	1422,4	2148,8
hsa-miR-425-5p	8,71E-01	2,01E-01	2,62E-01	2000,2	680,4	1889,0	1047,1	1264,6	881,7
hsa-miR-99b-3p	3,18E-01	7,15E-01	1,81E-01	1011,0	117,2	632,4	264,3	1198,7	549,4
hsa-miR-186-5p	9,61E-01	6,02E-01	5,69E-01	1358,5	303,7	1383,0	349,0	1116,0	1057,3
hsa-miR-27a-3p	3,08E-01	2,32E-01	8,48E-01	2344,7	260,9	1214,3	222,0	1075,0	897,4
hsa-miR-3615	6,62E-01	4,49E-01	7,44E-01	1281,5	523,1	1113,4	305,6	1003,4	568,6
hsa-miR-671-5p	6,72E-01	2,67E-01	4,80E-01	1770,1	645,8	1388,6	708,3	922,9	890,4
hsa-miR-7-5p	7,05E-01	1,79E-01	3,26E-01	573,4	68,1	638,0	252,5	858,4	397,8
hsa-miR-339-5p	2,17E-01	2,20E-01	9,99E-01	1210,6	288,0	812,5	97,4	807,2	452,4
hsa-miR-3529-3p	7,79E-01	2,44E-01	3,71E-01	553,4	65,1	600,7	281,8	797,7	384,6
hsa-miR-218-5p	8,75E-01	2,31E-01	2,96E-01	482,8	309,7	507,5	160,7	717,8	477,8
hsa-miR-199b-3p	6,02E-01	7,29E-01	8,61E-01	565,9	237,3	774,8	556,9	694,6	504,9
hsa-miR-135b-5p	1,18E-01	1,45E-01	9,11E-01	1608,6	751,6	647,9	273,3	689,9	503,8
hsa-miR-199a-3p	6,34E-01	7,84E-01	8,40E-01	555,8	241,6	772,0	520,5	669,5	408,4
hsa-miR-20a-5p	1,18E-01	8,17E-01	1,85E-01	698,6	312,6	393,4	90,8	650,6	544,8
hsa-miR-4454	6,82E-01	2,85E-01	1,49E-01	318,4	183,3	251,6	28,5	604,2	900,1
hsa-miR-941	3,39E-01	9,81E-01	3,57E-01	569,2	109,7	383,3	162,5	565,9	478,7
hsa-miR-126-3p	4,30E-01	3,99E-01	9,52E-01	844,5	464,1	593,4	58,3	565,1	752,7
hsa-miR-454-3p	3,23E-01	4,52E-01	8,14E-01	772,9	327,1	500,7	371,5	552,7	366,6
hsa-miR-500a-3p	7,38E-01	3,98E-01	6,03E-01	317,6	84,2	389,8	44,9	543,6	455,7
hsa-miR-340-5p	5,04E-01	4,18E-01	1,55E-01	290,6	217,9	178,8	115,2	529,7	811,9
hsa-miR-93-3p	9,67E-01	9,42E-02	1,04E-01	176,3	19,8	181,2	141,3	484,8	652,2
hsa-miR-374a-5p	1,20E-01	6,69E-01	2,48E-01	611,4	176,5	230,2	78,9	469,8	452,9
hsa-miR-34c-5p	7,44E-01	6,96E-01	4,80E-01	315,9	84,0	236,3	77,7	453,6	713,8
hsa-miR-361-3p	2,71E-01	1,17E-01	6,03E-01	1019,0	227,8	563,5	135,6	431,1	516,2
hsa-miR-501-3p	9,30E-01	9,35E-01	9,96E-01	408,3	263,2	383,4	228,2	385,4	613,4
hsa-miR-660-5p	9,73E-01	4,68E-01	4,49E-01	448,4	120,8	455,8	49,4	303,6	405,9
hsa-miR-3184-5p	9,94E-01	9,37E-01	9,32E-01	275,8	52,5	274,3	176,3	288,3	416,9
hsa-miR-576-5p	7,20E-02	4,80E-01	2,64E-01	333,0	33,8	155,4	71,4	244,5	187,4
hsa-miR-1296-5p	9,89E-01	6,87E-01	6,78E-01	184,4	34,2	181,9	166,2	240,6	343,3
hsa-miR-598-3p	1,53E-01	2,86E-01	7,23E-01	387,3	138,0	195,7	73,6	237,7	268,4
hsa-miR-17-5p	2,12E-01	8,36E-01	1,57E-01	188,5	48,6	91,4	109,1	204,2	223,6
hsa-miR-345-5p	7,05E-01	6,19E-01	3,89E-01	264,5	117,6	322,1	53,6	200,3	183,2
hsa-miR-589-5p	3,02E-02	6,95E-01	7,15E-02	167,0	126,5	502,6	339,5	198,3	134,2
hsa-miR-378a-3p	3,59E-01	6,68E-01	6,47E-01	223,7	16,7	171,1	118,9	197,7	38,5
hsa-miR-125b-2-3p	5,68E-01	1,21E-01	3,02E-01	555,0	47,3	382,4	139,7	191,8	312,7
hsa-miR-363-3p	3,99E-01	3,72E-01	9,68E-02	96,6	49,6	55,6	26,1	173,7	22,4
hsa-miR-619-5p	4,34E-02	7,65E-01	8,43E-02	146,9	11,3	399,0	404,9	161,7	199,8
hsa-miR-629-5p	8,70E-01	4,39E-01	5,38E-01	188,4	121,2	176,5	140,1	138,8	14,0

hsa-miR-20b-5p	7,37E-01	6,60E-02	1,24E-01	33,2	17,5	41,1	14,4	117,0	66,8
hsa-miR-10b-5p	3,40E-02	1,27E-01	5,92E-01	58,0	27,3	123,4	42,7	102,9	44,7
hsa-miR-324-3p	9,37E-02	5,83E-02	7,80E-01	277,9	82,2	122,7	13,1	100,9	136,0
hsa-miR-130b-3p	1,82E-01	4,18E-01	5,95E-01	175,8	18,4	73,7	70,9	100,8	100,4
hsa-miR-29c-3p	3,14E-01	9,77E-02	4,66E-01	262,5	212,9	152,0	124,4	100,0	40,2
hsa-miR-1306-5p	7,52E-01	3,88E-01	5,76E-01	148,7	32,3	126,7	88,5	92,0	52,6
hsa-miR-1247-5p	4,88E-01	1,12E-01	3,38E-01	13,6	11,4	23,8	13,7	53,3	25,8
hsa-miR-425-3p	7,28E-01	8,69E-01	6,18E-01	62,7	10,3	81,5	22,3	52,6	46,6
hsa-miR-301a-3p	6,78E-02	3,74E-01	3,50E-01	85,3	66,3	19,8	22,4	45,1	47,5
hsa-miR-19a-3p	5,16E-01	5,34E-01	2,33E-01	60,8	39,0	88,9	14,5	44,1	33,3
hsa-miR-18a-3p	8,81E-01	2,21E-01	2,79E-01	76,9	18,2	72,2	87,4	40,0	24,6
hsa-miR-216a-5p	8,04E-01	3,16E-01	4,39E-01	85,7	63,6	69,5	70,7	35,5	41,0

Table S3. number of targets identified for miRNA target analysis for top 15 cellular miRNAs.

cellular miRNA	Database	Number of hits
hsa-let-7a-5p	Tarbase v8	4923
hsa-let-7b-5p	Tarbase v8	7981
hsa-let-7f-5p	Tarbase v8	4005
hsa-let-7i-5p	Tarbase v8	3912
hsa-mir-9-5p	Tarbase v8	2091
hsa-mir-125a-5p	Tarbase v8	1411
hsa-mir-125b-5p	Tarbase v8	1517
hsa-let-7e-5p	Tarbase v8	3432
hsa-let-7c-5p	Tarbase v8	3390
hsa-mir-16-5p	Tarbase v8	11381
hsa-mir-21-5p	Tarbase v8	2318
hsa-mir-29a-3p	Tarbase v8	2751
hsa-mir-30a-5p	Tarbase v8	3431
hsa-mir-100-5p	Tarbase v8	1198
hsa-mir-221-3p	Tarbase v8	1297
Total number hits without duplicates		10280

Table S4. number of targets identified for miRNA target analysis for top 15 preferentially secreted miRNAs.

secreted miRNA	Database	Number of hits
hsa-mir-203a-3p	Tarbase v8	2075
hsa-mir-203b-5p	Targetscan and miRDB	250
hsa-mir-205-5p	Tarbase v8	1140
hsa-mir-4497	Targetscan and miRDB	67
hsa-mir-4516	Tarbase v8	23
hsa-mir-5585-3p	Tarbase v8	32
hsa-mir-183-5p	Tarbase v8	1078
hsa-mir-7704	Targetscan and miRDB	58
hsa-mir-12136	miRDB	2631
hsa-mir-1246	Tarbase	377
hsa-mir-3195	Targetscan	423
hsa-mir-4485-3p	Tarbase v8	30
hsa-mir-4488	Tarbase v8	10
hsa-mir-4492	Targetscan	5621
hsa-mir-4508	Tarbase v8	6
Total number of hits without duplicates		9616

Table S5. SNORD significantly different between at least 2 groups : cells (Group1), EV (Group2), EV Proteinase K/ Rnase A/T1 (group3).

GeneName	1VS2	1VS3	2VS3	MeanGroup1	SDGroup1	MeanGroup2	SDGroup2	MeanGroup3	SDGroup3
SNORD113-6	1,19E-10	2,24E-18	2,03E-06	75803,46014	2762,667401	2702,299917	1043,029667	178,2800073	30,04840296
SNORD12B	7,46E-18	5,64E-23	0,000728	61179,44814	2229,693297	743,4438775	286,9533522	132,4908578	22,33081962
SNORD69	5,81E-08	2,18E-14	0,000152	45967,94573	1675,308025	4150,169759	1601,876296	529,9976832	89,32905148
SNORD113-8	4,04E-07	8,29E-17	9,19E-09	40174,50933	1464,165449	2616,812223	1010,033255	54,84998083	9,244751282
SNORD100	1,44E-08	5,86E-14	0,000983	40002,3507	1457,891104	2774,185409	1070,775922	429,8544184	72,45029307
SNORD114-22	1,03E-07	3,68E-14	2,74E-05	37838,53828	1379,030667	1851,195946	714,5218336	120,125224	20,24664005
SNORD114-12	1,79E-05	6,89E-13	5,01E-06	37775,13591	1376,719959	4410,134886	1702,217246	240,8845466	40,60015496
SNORD113-7	7,17E-10	9,34E-17	3,9E-06	35093,40369	1278,983864	743,5640885	286,9997511	33,60864406	5,664606451
SNORD59A	1,43E-10	4,58E-16	0,000428	29734,8884	1083,692046	1017,823342	392,8579262	131,424927	22,15116111
SNORD113-9	1,73E-07	3,49E-12	0,001415	28282,14817	1030,746732	1385,573371	534,8015305	165,8422748	27,95207144
SNORD114-3	6,05E-05	4,8E-11	7,75E-05	26739,75238	974,5339072	3326,130414	1283,814826	243,5801637	41,05449076
SNORD3A	0,00041	3,58E-09	0,00111	23992,59065	874,413225	5036,611842	1944,023881	696,8800242	117,456422
SNORD114-20	4,56E-09	8,88E-16	3,89E-06	22824,08548	831,8268952	452,7123058	174,7372165	15,94813858	2,68799683
SNORD12C	2,18E-10	4,31E-17	2,29E-05	22315,22992	813,2815852	768,3471407	296,5654764	64,78028298	10,91846515
SNORD41	5,74E-07	4,56E-11	0,011107	21024,61637	766,2449991	2197,353393	848,1311653	486,0460016	81,92116622
SNORD114-25	6,09E-07	1,17E-13	7,42E-06	20830,80048	759,1813528	959,2004125	370,2307359	38,2136675	6,440765271
SNORA46	2,93E-09	1,07E-13	0,003382	18369,57099	669,4815095	725,059455	279,8573604	117,3537292	19,77951536
SNORD104	1,7E-06	9,05E-11	0,004766	17931,84562	653,5285492	1478,246247	570,5712684	239,0328523	40,28805906
SNORD6	5,08E-05	5,68E-09	0,008043	16568,08931	603,8262651	2203,937658	850,6725501	386,5958961	65,15923711
SNORD127	3,67E-07	4,65E-12	0,001776	16175,34434	589,5126216	1266,376604	488,7941415	187,2999824	31,56868473
SNORD114-21	1,62E-05	4,09E-11	0,000102	15485,14604	564,3582506	1063,121835	410,3421707	58,54606467	9,867711862
SNORD101	4,05E-13	2,81E-18	0,000573	15430,80473	562,3777741	270,5614693	104,4309099	36,94638774	6,227170188
SNORD114-9	1,65E-05	1,49E-10	0,000313	15018,65166	547,3567996	942,0563454	363,6134946	60,27530235	10,15916816
SNORD114-1	0,003929	4,99E-08	0,000476	13473,90149	491,0581698	2836,895033	1094,980488	218,3441741	36,8010627
SNORD19C	2,11E-08	7,2E-17	7,24E-07	13209,47133	481,4209766	920,9994941	355,4860027	54,95761119	9,262891961
SNORD99	2,29E-06	1,14E-09	0,026222	12851,58301	468,3776882	1086,689388	419,4387395	241,9129493	40,77348824
SNORD14E	4,51E-08	3,74E-10	0,149898	12218,19835	445,2938984	565,1735064	218,1448219	187,7948136	31,65208661
SNORD111B	6,21E-08	7,06E-18	1,47E-08	11069,54185	403,4309563	837,0633782	323,0884667	29,48255944	4,969170911
SNORD82	4,54E-09	6,8E-13	0,008672	10298,2424	375,3208429	346,724347	133,8281432	61,58676311	10,38020978
SNORD3B-1	0,000104	5,21E-08	0,022472	10281,86329	374,7239041	1442,339181	556,7119127	300,4066157	50,63236857
SNORD71	9,82E-05	2,54E-08	0,010839	10266,8233	374,1757697	1186,638872	458,0170914	191,8576689	32,3368651
SNORD3C	0,004204	8,87E-07	0,008033	9484,630774	345,6686568	2451,827494	946,3526971	406,3586382	68,49017055
SNORD116-15	8,39E-06	1,55E-08	0,027088	8745,052681	318,7146327	321,7294523	124,1806512	48,95486707	8,251152749
SNORD113-5	2,17E-08	1,85E-13	7,94E-05	8661,064061	315,6536561	87,50545852	33,77522557	2,802893016	0,472416734
SNORD105B	6,43E-06	4,7E-10	0,003777	8557,369913	311,8745088	614,7756966	237,2902009	79,69194435	13,43176777
SNORD116-19	1,19E-05	3,66E-08	0,040766	8347,31117	304,2188893	324,1360762	125,1095563	55,2012119	9,303949915
SNORD83A	2,06E-05	9,78E-10	0,00419	8314,516705	303,0236906	974,0344573	375,9563582	152,2651161	25,66369406
SNORD46	1,09E-08	1,16E-13	0,000897	8149,775948	297,0196913	321,3823098	124,0466617	38,55563345	6,498402304
SNORD114-17	0,000506	6,01E-09	0,00027	8052,34117	293,4686676	803,7060322	310,2132483	38,68672737	6,520497675
SNORD1B	7,13E-06	3,79E-13	3,3E-06	7904,094496	288,0657975	631,6625491	243,8081629	24,5838144	4,143506457
SNORA74B	2,95E-06	2,49E-10	0,003661	7650,336402	278,8175493	435,7176313	168,1776375	53,33402323	8,989242515
SNORD126	1,24E-05	3,08E-09	0,012514	7552,280152	275,2438759	686,0122517	264,7859795	120,9432382	20,38451316
SNORD116-8	0,001853	5,96E-05	0,19399	7362,250366	268,3182146	855,2313926	330,1009296	237,6643815	40,05740863
SNORD53B	9,89E-08	5,24E-09	0,374408	7215,991311	262,9877834	368,0095939	142,0437908	161,0465811	27,14377589
SNORD3B-2	0,000313	3,98E-07	0,034777	6386,177453	232,7451047	904,3903475	349,0752293	189,7327503	31,97871832
SNORD116-17	4,8E-05	2,68E-07	0,053829	6094,809634	222,1261649	244,211509	94,26039179	40,81066937	6,878479851
SNORD90	2,24E-06	8,71E-11	0,000877	5880,368737	214,3108373	201,6902419	77,84809693	13,9079535	2,344131556
SNORD114-13	9,75E-08	5,95E-11	0,005273	5805,291157	211,5746247	46,70193762	18,0259438	3,520187927	0,593314006
SNORD66	0,000981	9,19E-08	0,002926	5690,658686	207,3968287	819,8079039	316,4282246	84,54613623	14,24992296
SNORA20	9,59E-07	1,2E-10	0,00728	5118,328469	186,5381762	319,9586243	123,4971497	51,20053008	8,629650529
SNORA28	1,11E-05	3,18E-10	0,000703	5008,214493	182,5250574	239,6470346	92,49860282	15,67242556	2,641526472
SNORD117	9,53E-07	1,04E-12	3,14E-05	4772,309431	173,9274654	187,3970927	72,33124865	7,63989403	1,287674472
SNORD91A	5,37E-08	2,31E-10	0,084471	4741,22336	172,7945293	159,3632138	61,51077412	42,35708333	7,139121919
SNORD72	8,29E-09	5,24E-14	0,000138	4544,380032	165,6205475	77,95097028	30,08739854	4,245078572	0,715491509
SNORA80E	7,07E-07	2,03E-11	0,00089	4418,086272	161,0177543	157,7553328	60,89016665	12,6329588	2,129236152
SNORA65	3,08E-05	9,53E-09	0,009553	4356,507154	158,7734949	325,8451446	125,76922	45,28728511	7,632996052
SNORD105	7,57E-06	3,21E-09	0,010018	4267,328733	155,5233753	203,7131861	78,62890991	26,32338934	4,436705057

SNORD70	1,29E-08	3,02E-09	0,635315	4094,185899	149,2131612	105,2723557	40,6328659	55,45332274	9,346442218
SNORD114-28	0,004178	2,26E-07	0,000524	4057,769136	147,8859473	450,6062115	173,9243094	14,4072877	2,428292398
SNORD116-16	0,000434	1,6E-05	0,18321	4029,655415	146,8613389	206,1063715	79,55262801	49,39523825	8,325375601
SNORD121A	6,62E-08	5,69E-13	0,000178	3859,863515	140,6732501	80,10202143	30,91765804	4,117729343	0,694027291
SNORA13	7,19E-09	1,3E-11	0,033158	3712,026376	135,2853054	61,37849805	23,69078058	11,62216521	1,958870817
SNORD93	0,006488	3,52E-09	2,91E-05	3676,972698	134,0077694	977,9058294	377,4506247	54,6316489	9,207952282
SNORD116-25	0,000913	6,12E-06	0,051663	3647,349497	132,9281478	250,500592	96,68784262	36,57845769	6,165157006
SNORD116-24	6,52E-05	3,55E-06	0,239503	3537,883999	128,9386629	105,6515431	40,77922409	28,94729759	4,878954605
SNORD116-29	0,017172	2,05E-06	0,000947	3535,761858	128,8613211	575,9069006	222,2876813	19,52024544	3,29006157
SNORD113-3	9,11E-05	2,39E-08	0,002131	3411,428136	124,3299618	108,0382526	41,70044262	4,814573333	0,81147764
SNORD116-5	0,003597	4,84E-05	0,080693	3242,767887	118,1831161	301,1425195	116,2345378	49,02512885	8,262995098
SNORD116-3	0,005365	5,65E-05	0,065293	3102,31317	113,0642248	329,8463812	127,3136113	49,23626669	8,298581562
SNORD116-9	0,006288	3,76E-05	0,040618	3083,507896	112,3788641	348,4638917	134,49957	43,32969878	7,303052477
SNORD15B	3,46E-06	4,14E-09	0,027138	3055,968952	111,3752035	144,3379101	55,71132994	25,44915151	4,289355665
SNORA73B	0,003601	2,03E-09	2,21E-05	3029,053346	110,3942606	623,2499712	240,5610886	25,82737361	4,353103532
SNORD114-15	0,009893	3,32E-05	0,024701	2715,312375	98,95992829	369,5493593	142,6381072	39,03226371	6,578736483
SNORD114-14	0,001783	0,000481	0,571846	2375,496036	86,57527569	155,5756446	60,04885384	66,75938849	11,2520357
SNORD116-2	0,016465	0,001684	0,312033	2083,542019	75,93497188	296,9888782	114,6313216	87,27399681	14,70969327
SNORA71D	0,001769	2,21E-06	0,028341	2080,611568	75,82817118	382,1865329	147,5157845	72,94033005	12,2938094
SNORA66	0,001276	1,74E-09	5,78E-05	2061,092979	75,11681356	338,5274544	130,6643189	16,50967998	2,782642453
SNORA71B	0,000452	2,41E-08	0,001535	2038,146356	74,28052078	227,4477477	87,78994037	18,43338887	3,106876116
SNORD62A	0,004765	5,57E-06	0,021431	2027,796748	73,9033279	412,4957135	159,2144765	67,88149274	11,44116201
SNORD62B	0,00433	7,6E-06	0,029701	2002,726347	72,98963374	397,9753163	153,6099154	71,19147167	11,99904611
SNORD123	0,001564	6,62E-09	1,91E-05	1922,629389	70,0704892	109,1037803	42,1117134	0,348920007	0,058809112
SNORD116-7	0,005533	0,000146	0,12262	1894,422627	69,04248993	173,5011951	66,96773094	31,26037377	5,268814612
SNORD94	0,001865	2,59E-07	0,002214	1888,32677	68,82032562	219,9313614	84,88877685	14,75523824	2,48693811
SNORD91B	9,27E-06	2,92E-08	0,04649	1861,928816	67,85824858	80,32083199	31,00211421	14,73583568	2,483667883
SNORA74A	0,002015	1,96E-06	0,014913	1833,794679	66,83289613	238,6258494	92,10444729	29,60044324	4,989039768
SNORA3B	0,002515	3,55E-06	0,017557	1828,612065	66,64401508	223,6371448	86,31912958	26,6657801	4,494413691
SNORA23	0,002427	3,65E-06	0,022448	1821,358364	66,37965294	260,7812511	100,655956	37,67592913	6,350131556
SNORA77	0,000263	3,62E-05	0,40201	1750,477878	63,79640402	64,63528784	24,94783141	22,319658	3,761891686
SNORD17	1,33E-05	6,15E-09	0,005747	1746,696885	63,65860521	52,05539869	20,09226468	4,06811499	0,685664985
SNORD116-6	0,020473	0,001861	0,272522	1653,630401	60,26678458	221,8488309	85,62887886	57,09281927	9,622772993
SNORD116-14	0,001893	8,06E-05	0,165732	1637,229501	59,66905154	86,08555072	33,22717169	16,87339287	2,843944847
SNORD116-1	0,012859	0,000832	0,215372	1626,878532	59,29180906	173,3041377	66,89167102	38,46672445	6,483417037
SNORA58	5,62E-05	1,33E-09	0,000279	1608,379439	58,6176071	67,02030299	25,86839598	2,025150204	0,341331203
SNORD38A	0,021724	7,91E-05	0,040922	1554,10318	56,63950146	451,2428504	174,1700383	87,3677201	14,72548997
SNORA53	0,000548	3,31E-09	5,23E-05	1391,008319	50,6954871	86,34712074	33,32813209	1,082595019	0,182467187
SNORD114-23	0,008407	2,12E-05	0,012189	1376,499275	50,16670304	115,1115148	44,43056974	6,049673231	1,019648932
SNORA26	0,009363	5,92E-07	0,000683	1211,407277	44,14990275	187,4570906	72,35440654	7,03734206	1,186116678
SNORD67	0,000946	3,61E-07	0,004257	1177,270706	42,90579079	90,75502013	35,02948649	5,824308812	0,981664634
SNORA54	0,132252	8,43E-08	4,2E-06	1175,768494	42,85104246	476,9010741	184,073561	4,78878954	0,807131882
SNORA11	0,005998	2,19E-05	0,018134	1170,859178	42,67212179	88,22343268	34,05234816	5,66478828	0,954778068
SNORD111	4,32E-07	1,76E-11	0,001172	1159,093938	42,24333602	105,136215	14,30102916	2,795427956	0,471158527
SNORD14A	1,41E-05	2,79E-06	0,537433	1140,561099	41,56790417	40,54071611	15,64784477	18,12025388	3,054098429
SNORA14B	0,024817	0,00095	0,176799	1096,861191	39,97525507	242,1495441	93,46451766	61,47321313	10,36107137
SNORD109B	0,067134	0,001125	0,058507	1077,592174	39,27299315	209,5633026	80,88692909	21,25746455	3,582863105
SNORA55	0,000158	5,48E-08	0,004126	1006,144304	36,66906582	50,88101321	19,63897713	3,269086451	0,550991827
SNORD11	7,98E-07	6,96E-11	0,001295	962,5446065	35,08006892	21,10895159	8,147601461	1,063608834	0,179267139
SNORD116-23	0,013803	7,96E-05	0,021821	931,889491	33,96283907	76,55566174	29,54883944	4,140941129	0,697939548
SNORA7B	0,007873	1,57E-05	0,01538	927,3746215	33,79829404	114,8456469	44,32795044	9,843710595	1,659119197
SNORD88A	0,001809	0,000887	0,784993	914,376089	33,32456076	127,6643587	49,2756976	73,00453315	12,30463058
SNORD114-11	0,001198	1,26E-06	0,003592	859,020938	31,30713476	23,87859719	9,216625112	0,34169169	0,057590808
SNORD53	0,01574	4,12E-07	0,000301	788,8796588	28,75082631	152,535885	58,87557199	4,883206229	0,823045448
SNORA37	0,006607	0,000457	0,22761	781,5242198	28,48275634	62,48592477	24,11822348	14,09531008	2,375709781
SNORD92	0,005194	5,32E-05	0,071778	725,4550737	26,43930869	89,64097942	34,59949073	15,00414985	2,528891194
SNORA2A	0,004231	0,000122	0,140004	713,464369	26,00230583	67,61090275	26,09635479	13,56153768	2,285744516
SNORD124	0,015384	4,58E-07	0,000237	652,739151	23,78916701	103,7336645	40,03896417	1,986897526	0,334883863
SNORD48	0,015015	1,92E-05	0,004268	543,8825952	19,82187505	42,37173595	16,35457906	0,705648954	0,118934391
SNORD63	0,000168	2,04E-05	0,343916	518,8798698	18,91064733	12,2957477	4,745894247	3,568141817	0,601396448
SNORD30	0,038911	0,001303	0,129861	499,010115	18,18649142	95,83840637	36,99156428	17,44180469	2,939748452

SNORA60	0,026668	0,002796	0,285081	449,9847027	16,39975361	59,89002398	23,11626159	14,94152275	2,51833564
SNORD116-13	0,006119	0,020495	0,523282	436,8319822	15,92040092	14,85415382	5,733384004	20,38795725	3,436311027
SNORA80B	0,030936	0,000515	0,07143	391,0892161	14,2532996	62,98723237	24,31171743	8,049209607	1,356663023
SNORA5C	0,024179	0,001647	0,226487	358,1857799	13,0541294	55,97389668	21,60472065	13,3262216	2,246082905
SNORA2B	0,138227	3,33E-06	9,41E-05	353,4520663	12,88160856	113,0750467	43,64453684	0,702791277	0,118452741
SNORD20	0,012526	3,6E-05	0,019124	339,824851	12,38496285	45,46113434	17,54702042	3,731776447	0,628976429
SNORA79B	0,108896	0,000399	0,016617	328,6102122	11,97624382	99,86876696	38,54719681	7,549326855	1,272409727
SNORD115-17	0,029871	0,002141	0,169378	322,4195202	11,75062321	25,92451853	10,00630676	3,388570751	0,571130442
SNORD115-19	0,041218	0,00243	0,13952	317,2543834	11,56237909	30,21507079	11,66236769	3,388677972	0,571148514
SNORD89	0,143661	1,51E-07	5,08E-06	289,1185035	10,53696313	108,8535521	42,01513069	0,348144968	0,058678483
SNORA71A	0,110468	0,000966	0,04437	263,8201019	9,614959448	98,72438424	38,10548969	14,75900777	2,487573449
SNORD115-18	0,033397	0,005785	0,331099	247,6717239	9,026429619	18,29241185	7,060477679	3,77476949	0,63622274
SNORD115-32	0,044839	0,00497	0,225013	239,7771085	8,738709287	20,6276045	7,961811833	3,009650955	0,507264982
SNORA74D	0,001125	3,5E-05	0,104171	213,407585	7,777668421	6,556883327	2,530815987	0,690016469	0,116299596
SNORA12	0,005574	0,002577	0,691932	188,8899542	6,884120035	10,64908785	4,11031895	4,882140811	0,822865876
SNORD115-15	0,123211	0,001435	0,02318	148,9448672	5,428315915	22,68550681	8,756117877	0,355378982	0,059897747
SNORA75	6,12E-05	1,84E-07	0,023628	145,4960283	5,302622512	4,960693958	1,91472121	0,318486616	0,053679682
SNORD115-39	0,060323	0,002057	0,064084	141,8234233	5,168773924	11,36367256	4,386133282	0,355812434	0,059970804
SNORA30	0,01273	0,000777	0,223397	132,2602589	4,820243101	18,53722562	7,154970528	4,506343034	0,75952662
SNORA38B	0,001144	9,31E-05	0,189825	131,6458456	4,797850724	2,968137751	1,145637355	0,351055642	0,059169065
SNORA63C	0,057338	0,000787	0,038327	123,1487807	4,488174039	16,15108708	6,233972356	0,706938914	0,119151809
SNORA49	0,01587	0,00767	0,66003	86,14916972	3,139718191	4,651805494	1,795496904	1,859890736	0,313477361
SNORA84	0,310498	0,000251	2,39E-05	33,10222798	1,206415195	92,73655902	35,7943179	0,340683235	0,057420836
SNORA9B	0,174369	0,001167	0,020018	30,08125733	1,096315509	9,68013305	3,736323229	0,341369681	0,057536534
SNORD73B	0,00079	0,008462	0,221879	23,1242673	0,842767063	0	0	0,342628299	0,057748669
SNORA22	0,003696	0,027598	0,240913	21,9493498	0,799947035	0	0	0,357239118	0,060211266